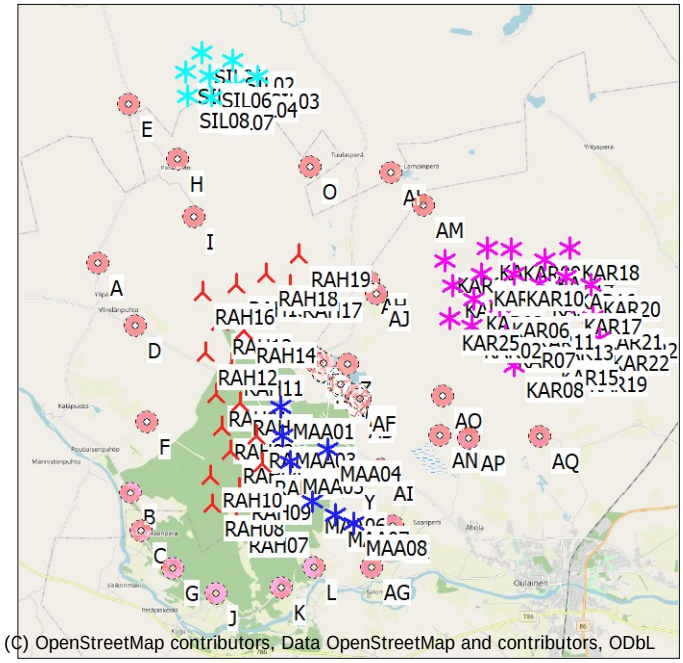
DECIBEL - Main Result

Calculation: Low freq Rahkakuru VE1

Noise calculation model:
Finland Low frequency
Wind speed (at 10 m height):
8.0 m/s
Spectral distribution:
From 20.0 Hz to 200.0 Hz
Meteorological coefficient, C0:
Selected option: Fixed value: 0.0 dB
Type of demand in calculation:
1: WTG noise is compared to demand (DK, DE, SE, NL etc.)
Noise values in calculation:
All noise values are mean values (Lwa) (Normal)
Pure tones:
Pure tone penalty is subtracted from demand
Model: 5.0 dB(A)
Height above ground level, when no value in NSA object:
4.0 m; Don't allow override of model height with height from NSA object
Uncertainty margin:
0.0 dB; Uncertainty margin in NSA has priority
Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:
0.0 dB(A)

All coordinates are in
Finish TM ETRS-TM35FIN-ETRS89



Scale 1:200 000

New WTG | Existing WTG | Noise sensitive area

All coordinates are in
Finish TM ETRS-TM35FIN-ETRS89

WTGs

	East	North	Z	Row data/Description	WTG type Valid	Manufact.	Type-generator	Power, rated	Rotor diameter	Hub height	Noise data Creator	Name	Wind speed	LwA,ref
			[m]					[kW]	[m]	[m]			[m/s]	[dB(A)]
KAR01	391 621	7 136 578	95.8	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR02	392 086	7 135 509	89.9	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR03	392 176	7 136 174	95.4	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR04	392 411	7 136 855	100.2	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR05	392 584	7 137 549	97.9	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR06	392 862	7 136 012	97.1	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR07	392 991	7 135 196	85.6	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR08	393 169	7 134 395	84.8	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR09	393 225	7 137 485	100.9	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR10	393 274	7 136 804	103.5	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR11	393 539	7 135 673	94.8	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR12	393 961	7 136 571	99.0	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR13	394 020	7 135 350	95.1	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR14	394 108	7 137 181	104.9	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR15	394 116	7 134 704	90.6	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR16	394 647	7 136 711	99.9	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR17	394 785	7 136 018	98.2	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR18	394 797	7 137 442	107.5	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR19	394 884	7 134 490	98.6	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR20	395 301	7 136 470	106.1	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR21	395 328	7 135 628	99.9	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR22	395 495	7 135 044	97.6	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR23	396 014	7 135 354	105.3	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR24	391 461	7 137 229	89.8	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
KAR25	391 535	7 135 725	87.9	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	168.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
MAA01	386 945	7 133 532	65.4	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	148.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
MAA03	386 991	7 132 770	65.4	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	148.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
MAA04	388 157	7 132 333	69.1	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	148.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
MAA05	387 150	7 132 058	63.6	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	148.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
MAA06	387 713	7 130 974	63.5	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	148.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
MAA07	388 293	7 130 582	69.7	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	148.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
MAA08	388 770	7 130 349	69.8	NORDEX N163/5.X 5900 163.0 !O!...	Yes	NORDEX	N163/5.X-5 900	5 900	163.0	148.0	USER	Third octave sound power levels Nordex N163/5.X	8.0	97.5
RAH01	385 246	7 133 910	60.2	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH02	385 350	7 133 066	59.7	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH03	385 895	7 133 668	62.9	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH04	385 575	7 132 407	58.1	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH05	386 295	7 132 775	62.5	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH06	386 426	7 132 037	60.6	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH07	385 658	7 130 531	63.0	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH08	385 064	7 131 010	59.5	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH09	385 767	7 131 392	61.0	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH10	385 011	7 131 774	59.7	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH11	385 680	7 134 747	62.8	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH12	385 008	7 135 034	58.6	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH13	385 426	7 135 824	62.7	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH14	386 035	7 135 582	62.1	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH15	385 902	7 136 810	70.8	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH16	384 981	7 136 654	59.8	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH17	387 306	7 136 734	81.9	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH18	386 694	7 137 064	83.1	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
RAH19	387 577	7 137 548	84.6	VESTAS V172-7.2 7200 172.0 !O! ...	Yes	VESTAS	V172-7.2-7 200	7 200	172.0	166.0	USER	Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz	8.0	100.7
SIL01	385 200	7 142 980	93.4	VESTAS V126-3.3 GridStreame 33...	Yes	VESTAS	V126-3.3 GridStreame-3 300	3 300	126.0	147.0	USER	V126-3.3/3.45MW Third Octaves according to General Specification	8.0	95.1
SIL02	386 018	7 142 740	84.8	VESTAS V126-3.3 GridStreame 33...	Yes	VESTAS	V126-3.3 GridStreame-3 300	3 300	126.0	147.0	USER	V126-3.3/3.45MW Third Octaves according to General Specification	8.0	95.1
SIL03	386 676	7 142 270	84.2	VESTAS V126-3.3 GridStreame 33...	Yes	VESTAS	V126-3.3 GridStreame-3 300	3 300	126.0	147.0	USER	V126-3.3/3.45MW Third Octaves according to General Specification	8.0	95.1
SIL04	386 065	7 142 091	85.6	VESTAS V126-3.3 GridStreame 33...	Yes	VESTAS	V126-3.3 GridStreame-3 300	3 300	126.0	147.0	USER	V126-3.3/3.45MW Third Octaves according to General Specification	8.0	95.1

To be continued on next page...

DECIBEL - Main Result

Calculation: Low freq Rahkakuru VE1

...continued from previous page

	East	North	Z	Row data/Description	WTG type Valid	Manufact.	Type-generator	Power, rated	Rotor diameter	Hub height	Noise data Creator	Name	Wind speed	LwA,ref
			[m]					[kW]	[m]	[m]			[m/s]	[dB(A)]
SIL05	384 739	7 142 500	87.0	VESTAS V126-3.3 GridStreame 33...	Yes	VESTAS	V126-3.3 GridStreame-3 300	3 300	126.0	147.0	USER	V126-3.3/3.45MW Third Octaves according to General Specification	8.0	95.1
SIL06	385 376	7 142 368	87.7	VESTAS V126-3.3 GridStreame 33...	Yes	VESTAS	V126-3.3 GridStreame-3 300	3 300	126.0	147.0	USER	V126-3.3/3.45MW Third Octaves according to General Specification	8.0	95.1
SIL07	385 433	7 141 784	88.1	VESTAS V126-3.3 GridStreame 33...	Yes	VESTAS	V126-3.3 GridStreame-3 300	3 300	126.0	147.0	USER	V126-3.3/3.45MW Third Octaves according to General Specification	8.0	95.1
SIL08	384 776	7 141 868	82.7	VESTAS V126-3.3 GridStreame 33...	Yes	VESTAS	V126-3.3 GridStreame-3 300	3 300	126.0	147.0	USER	V126-3.3/3.45MW Third Octaves according to General Specification	8.0	95.1

Calculation Results

Sound level

Noise sensitive area No.	Name	East	North	Z	Immission height	Most critical demand Frequency	Predicted sound level Noise	WTG noise	Demands fulfilled ? Noise
				[m]	[m]	[Hz]	[dB]	[dB]	
A	Noise sensitive point: Finnish normal frequency - User defined (23)	382 223	7 137 522	52.2	4.0	50.0	44.0	34.3	Yes
B	Noise sensitive point: Finnish normal frequency - User defined (2)	382 854	7 131 381	51.9	4.0	50.0	44.0	36.4	Yes
C	Noise sensitive point: Finnish normal frequency - User defined (5)	383 130	7 130 359	53.5	4.0	50.0	44.0	36.2	Yes
D	Noise sensitive point: Finnish normal frequency - User defined (24)	383 153	7 135 815	56.9	4.0	50.0	44.0	37.1	Yes
E	Noise sensitive point: Finnish normal frequency - User defined (35)	383 223	7 141 682	67.3	4.0	50.0	44.0	34.1	Yes
F	Noise sensitive point: Finnish normal frequency - User defined (1)	383 356	7 133 262	50.5	4.0	50.0	44.0	38.1	Yes
G	Noise sensitive point: Finnish normal frequency - User defined (4)	383 910	7 129 300	54.0	4.0	50.0	44.0	36.0	Yes
H	Noise sensitive point: Finnish normal frequency - User defined (22)	384 450	7 140 172	76.3	4.0	50.0	44.0	35.3	Yes
I	Noise sensitive point: Finnish normal frequency - User defined (20)	384 842	7 138 658	72.0	4.0	50.0	44.0	36.8	Yes
J	Noise sensitive point: Finnish normal frequency - User defined (3)	385 076	7 128 605	58.0	4.0	50.0	44.0	35.9	Yes
K	Noise sensitive point: Finnish normal frequency - User defined (13)	386 782	7 128 705	56.3	4.0	50.0	44.0	36.8	Yes
L	Noise sensitive point: Finnish normal frequency - User defined (12)	387 695	7 129 224	60.9	4.0	50.0	44.0	38.5	Yes
M	Noise sensitive point: Finnish normal frequency - User defined (42)	387 879	7 134 678	70.4	4.0	50.0	44.0	40.2	Yes
N	Noise sensitive point: Finnish normal frequency - User defined (40)	387 883	7 134 812	72.1	4.0	50.0	44.0	40.1	Yes
O	Noise sensitive point: Finnish normal frequency - User defined (34)	387 977	7 139 845	88.5	4.0	50.0	44.0	36.1	Yes
P	Noise sensitive point: Finnish normal frequency - User defined (41)	387 993	7 134 748	69.2	4.0	50.0	44.0	40.0	Yes
Q	Noise sensitive point: Finnish normal frequency - User defined (44)	388 095	7 134 418	69.1	4.0	50.0	44.0	40.1	Yes
R	Noise sensitive point: Finnish normal frequency - User defined (43)	388 101	7 134 436	68.3	4.0	50.0	44.0	40.1	Yes
S	Noise sensitive point: Finnish normal frequency - User defined (49)	388 130	7 134 642	66.7	4.0	50.0	44.0	39.9	Yes
T	Noise sensitive point: Finnish normal frequency - User defined (36)	388 130	7 134 642	66.7	4.0	50.0	44.0	39.9	Yes
U	Noise sensitive point: Finnish normal frequency - User defined (50)	388 520	7 134 052	68.2	4.0	50.0	44.0	39.9	Yes
V	Noise sensitive point: Finnish normal frequency - User defined (38)	388 562	7 133 980	70.6	4.0	50.0	44.0	39.9	Yes
W	Noise sensitive point: Finnish normal frequency - User defined (6)	388 562	7 133 980	70.6	4.0	50.0	44.0	39.9	Yes
X	Noise sensitive point: Finnish normal frequency - User defined (51)	388 579	7 134 044	67.0	4.0	50.0	44.0	39.8	Yes
Y	Noise sensitive point: Finnish normal frequency - User defined (10)	388 750	7 131 552	69.0	4.0	50.0	44.0	41.7	Yes
Z	Noise sensitive point: Finnish normal frequency - User defined (37)	388 787	7 134 583	68.1	4.0	50.0	44.0	39.3	Yes
AA	Noise sensitive point: Finnish normal frequency - User defined (48)	388 978	7 133 482	67.1	4.0	50.0	44.0	39.7	Yes
AB	Noise sensitive point: Finnish normal frequency - User defined (29)	388 978	7 133 482	67.1	4.0	50.0	44.0	39.7	Yes
AC	Noise sensitive point: Finnish normal frequency - User defined (47)	388 989	7 133 714	68.9	4.0	50.0	44.0	39.5	Yes
AD	Noise sensitive point: Finnish normal frequency - User defined (45)	389 000	7 133 768	67.9	4.0	50.0	44.0	39.5	Yes
AE	Noise sensitive point: Finnish normal frequency - User defined (46)	389 018	7 133 770	68.4	4.0	50.0	44.0	39.4	Yes
AF	Noise sensitive point: Finnish normal frequency - User defined (39)	389 065	7 133 651	69.2	4.0	50.0	44.0	39.5	Yes
AG	Noise sensitive point: Finnish normal frequency - User defined (11)	389 203	7 129 165	61.3	4.0	50.0	44.0	37.8	Yes
AH	Noise sensitive point: Finnish normal frequency - User defined (18)	389 414	7 136 756	82.9	4.0	50.0	44.0	39.2	Yes
AI	Noise sensitive point: Finnish normal frequency - User defined (52)	389 554	7 131 763	65.7	4.0	50.0	44.0	39.4	Yes
AJ	Noise sensitive point: Finnish normal frequency - User defined (19)	389 614	7 136 401	78.5	4.0	50.0	44.0	39.5	Yes
AK	Noise sensitive point: Finnish normal frequency - User defined (9)	389 817	7 130 233	65.5	4.0	50.0	44.0	38.8	Yes
AL	Noise sensitive point: Finnish normal frequency - User defined (33)	390 110	7 139 602	97.7	4.0	50.0	44.0	36.7	Yes
AM	Noise sensitive point: Finnish normal frequency - User defined (32)	390 931	7 138 729	103.0	4.0	50.0	44.0	38.9	Yes
AN	Noise sensitive point: Finnish normal frequency - User defined (30)	391 159	7 132 612	80.3	4.0	50.0	44.0	38.0	Yes
AO	Noise sensitive point: Finnish normal frequency - User defined (7)	391 278	7 133 649	77.1	4.0	50.0	44.0	39.4	Yes
AP	Noise sensitive point: Finnish normal frequency - User defined (8)	391 925	7 132 522	73.0	4.0	50.0	44.0	38.0	Yes
AQ	Noise sensitive point: Finnish normal frequency - User defined (14)	393 819	7 132 491	76.0	4.0	50.0	44.0	38.2	Yes

*)Spectral distribution, please see details in report "Detailed results"

Distances (m)

WTG	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
KAR01	9446	10192	10524	8502	9828	8906	10603	8021	7091	10316	9242	8337	4197	4134	4894	4063	4135	4120	3992	3992	3999	4014
KAR02	10067	10113	10331	8938	10801	9015	10266	8947	7899	9839	8628	7667	4288	4260	5973	4163	4137	4127	4050	4050	3852	3842
KAR03	10044	10482	10753	9030	10512	9289	10750	8699	7744	10378	9214	8270	4550	4503	5577	4419	4443	4430	4326	4326	4227	4228
KAR04	10210	11014	11328	9316	10379	9742	11373	8625	7781	11040	9905	8971	5028	4967	5348	4895	4956	4942	4819	4819	4795	4804
KAR05	10361	11521	11877	9589	10233	10175	11970	8547	7821	11678	10578	9655	5512	5439	5147	5378	5473	5458	5318	5318	5361	5377
KAR06	10746	11028	11254	9711	11183	9896	11188	9385	8446	10747	9506	8531	5158	5121	6209	5030	5026	5015	4926	4926	4764	4756
KAR07	11017	10831	10983	9857	11725	9827	10827	9885	8854	10300	8983	7982	5138	5122	6837	5018	4957	4948	4892	4892	4615	4593
KAR08	11384	10747	10820	10116	12330	9878	10568	10459	9355	9951	8554	7531	5297	5302	7527	5188	5074	5068	5045	5045	4661	4626
KAR09	11002	12034	12356	10209	10847	10735	12400	9177	8465	12053	10891	9941	6038	5973	5754	5905	5977	5962	5834	5834	5824	5834
KAR10	11075	11747	12018	10169	11172	10532	11999	9445	8634	11595	10380	9412	5799	5747	6107	5667	5702	5689	5580	5580	5493	5494
KAR11	11466	11515	11687	10387	11939	10465	11547	10142	9196	11027	9707	8703	5747	5721	6952	5623	5587	5577	5506	5506	5274	5257
KAR12	11777	12260	12486	10834	11893	11109	12405	10170	9355	11934	10650	9657	6370	6327	6821	6240	6249	6237	6142	6142	5996	5989
KAR13	11996	11851	11979	10877	12517	10867	11782	10716	9756	11203	9826	8806	6177	6160	7531	6057	5998	5989	5932	5932	5651	5628
KAR14	11890	12661	12925	11040	11779	11444	12888	10111	9383	12455	11204	10220	6713	6660	6684	6581	6617	6604	6495	6495	6404	6404
KAR15	12223	11742	11814	11019	12937	10856	11548	11105	10082	10905	9475	8442	6237	6234	8007	6123	6028	6021	5986	5986	5634	5601
KAR16	12451	12942	13152	11529	12459	11806	13046	10769	9997	12543	11223	10217	7067	7025	7369	6937	6942	6930	6837	6837	6679	6670
KAR17	12652	12801	12956	11634	12875	11757	12782	11139	10288	12216	10842	9820	7035	7006	7810	6910	6879	6868	6796	6796	6566	6549

To be continued on next page...

DECIBEL - Main Result

Calculation: Low freq Rahkakuru VE1

...continued from previous page

WTG	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
KAR18	12575	13393	13648	11757	12326	12181	13594	10701	10029	13138	11857	10862	7450	7397	7231	7318	7353	7340	7231	7231	7134	7132
KAR19	13019	12425	12458	11805	13701	11593	12139	11881	10873	11439	9956	8912	7007	7008	8739	6896	6789	6783	6756	6756	6379	6343
KAR20	13121	13447	13619	12165	13155	12368	13459	11465	10686	12900	11527	10505	7635	7601	8064	7508	7492	7482	7400	7400	7199	7185
KAR21	13241	13177	13287	12176	13535	12204	13054	11789	10916	12427	10999	9964	7509	7489	8474	7388	7333	7324	7265	7265	6988	6964
KAR22	13502	13161	13222	12366	13952	12269	12930	12177	11250	12249	10775	9732	7625	7615	8920	7508	7426	7419	7376	7376	7045	7015
KAR23	13961	13747	13818	12869	14271	12830	13533	12528	11651	12853	11378	10334	8163	8149	9206	8044	7974	7966	7916	7916	7606	7578
KAR24	9243	10406	10798	8427	9365	9024	10949	7604	6772	10731	9724	8847	4398	4317	4356	4264	4385	4369	4217	4217	4329	4355
KAR25	9484	9707	9971	8382	10226	8542	9971	8365	7308	9614	8478	7551	3803	3764	5443	3674	3680	3668	3573	3573	3448	3448
MAA01	6183	4622	4962	4426	8960	3600	5207	7093	5542	5270	4830	4372	1478	1588	6397	1605	1452	1468	1624	1624	1659	1677
MAA03	6732	4364	4551	4899	9676	3668	4640	7826	6269	4584	4070	3615	2105	2229	7143	2218	1984	2002	2192	2192	1996	1983
MAA04	7882	5388	5400	6096	10571	4890	5218	8671	7141	4837	3881	3144	2361	2494	7513	2420	2086	2103	2309	2309	1757	1696
MAA05	7358	4349	4364	5486	10395	3981	4254	8551	6993	4028	3373	2886	2720	2851	7831	2819	2543	2562	2764	2764	2420	2385
MAA06	8545	4876	4624	6650	11611	4921	4155	9759	8203	3545	2453	1750	3707	3842	8875	3784	3465	3484	3692	3692	3182	3124
MAA07	9220	5497	5167	7335	12203	5617	4566	10331	8783	3777	2410	1484	4116	4250	9268	4176	3841	3858	4063	4063	3477	3408
MAA08	9712	6006	5640	7838	12618	6148	4972	10731	9192	4086	2580	1556	4420	4551	9529	4467	4125	4142	4341	4341	3712	3637
RAH01	4710	3481	4133	2830	8031	1998	4799	6312	4766	5308	5427	5287	2743	2787	6533	2872	2894	2903	2976	2976	3277	3316
RAH02	5444	3012	3501	3519	8875	2004	4032	7162	5616	4470	4590	4501	2999	3077	7270	3133	3060	3073	3196	3196	3320	3339
RAH03	5323	3805	4312	3482	8448	2571	4797	6662	5100	5129	5042	4795	2226	2294	6518	2360	2324	2336	2438	2438	2653	2685
RAH04	6115	2908	3189	4181	9569	2378	3525	7846	6294	3835	3894	3824	3235	3334	7816	3366	3224	3240	3395	3395	3373	3376
RAH05	6254	3713	3981	4372	9422	2979	4214	7623	6060	4345	4099	3817	2476	2583	7267	2603	2437	2454	2618	2618	2566	2567
RAH06	6910	3632	3698	4998	10163	3306	3717	8371	6808	3688	3351	3086	3014	3135	7960	3131	2908	2926	3113	3113	2906	2887
RAH07	7789	2930	2533	5848	11414	3572	2138	9716	8168	2012	2144	2420	4704	4825	9598	4820	4588	4606	4797	4797	4538	4509
RAH08	7105	2241	2040	5171	10830	2826	2063	9182	7652	2405	2875	3180	4624	4734	9303	4749	4561	4579	4753	4753	4604	4589
RAH09	7081	2913	2832	5138	10600	3051	2797	8878	7325	2872	2873	2901	3906	4022	8737	4027	3818	3836	4019	4019	3828	3809
RAH10	6388	2193	2353	4448	10068	2226	2708	8416	6887	3170	3544	3702	4081	4181	8598	4212	4062	4079	4238	4238	4184	4180
RAH11	4433	4395	5075	2743	7358	2758	5727	5562	4000	6172	6142	5879	2200	2204	5591	2313	2437	2441	2452	2452	2924	2982
RAH12	3735	4241	5038	2012	6884	2423	5838	5168	3628	6430	6573	6401	2893	2884	5653	2999	3148	3150	3146	3146	3647	3706
RAH13	3625	5134	5927	2273	6259	3294	6697	4456	2894	7228	7247	6979	2708	2657	4762	2783	3017	3014	2951	2951	3566	3637
RAH14	4277	5270	5976	2891	6717	3544	6631	4856	3300	7043	6918	6571	2054	2002	4684	2128	2366	2363	2296	2296	2919	2991
RAH15	3748	6226	7021	2923	5560	4367	7769	3662	2131	8247	8153	7795	2908	2814	3676	2937	3245	3236	3108	3108	3803	3883
RAH16	2892	5686	6561	2011	5327	3761	7431	3557	2009	8050	8151	7910	3508	3437	4377	3564	3834	3828	3737	3737	4393	4469
RAH17	5144	6963	7621	4253	6415	5259	8173	4469	3127	8430	8046	7520	2135	2006	3182	2102	2447	2432	2248	2248	2944	3026
RAH18	4495	6859	7593	3755	5777	5060	8248	3833	2444	8613	8360	7904	2665	2546	3062	2655	2994	2981	2815	2815	3523	3605
RAH19	5354	7768	8453	4751	6004	6016	9026	4082	2952	9287	8879	8325	2886	2753	2331	2831	3172	3156	2958	2958	3621	3701
SIL01	6218	11834	12789	7452	2365	9892	13740	2907	4336	14376	14363	13980	8724	8597	4189	8693	9038	9023	8837	8837	9526	9607
SIL02	6453	11792	12713	7494	2989	9845	13604	3009	4248	14167	14056	13620	8274	8144	3496	8232	8577	8561	8368	8368	9041	9122
SIL03	6510	11540	12427	7354	3503	9601	13261	3059	4051	13759	13566	13086	7687	7555	2752	7636	7979	7962	7765	7765	8423	8502
SIL04	5970	11181	12093	6919	2871	9235	12971	2509	3644	13523	13406	12970	7632	7502	2950	7592	7937	7921	7729	7729	8406	8486
SIL05	5578	11278	12247	6871	1723	9341	13226	2346	3843	13899	13946	13601	8429	8306	4188	8407	8751	8737	8558	8558	9256	9338
SIL06	5782	11273	12217	6920	2260	9328	13150	2384	3748	13767	13736	13347	8088	7961	3624	8057	8402	8387	8202	8202	8891	8972
SIL07	5336	10718	11655	6390	2213	8772	12576	1889	3181	13184	13149	12762	7516	7390	3199	7487	7832	7817	7634	7634	8326	8408
SIL08	5041	10662	11626	6267	1564	8722	12597	1727	3210	13267	13315	12977	7831	7710	3787	7813	8156	8142	7966	7966	8667	8749

WTG	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
KAR01	4014	3959	5789	3466	4070	4070	3890	3842	3829	3886	7798	2214	5239	2015	6596	3381	2259	3993	2949	4067	4641
KAR02	3842	3801	5176	3427	3710	3710	3579	3543	3527	3547	6969	2948	4521	2628	5743	4545	3421	3042	2028	2991	3480
KAR03	4228	4180	5754	3744	4180	4180	4026	3984	3969	4006	7614	2822	5131	2572	6392	4003	2842	3705	2680	3660	4033
KAR04	4804	4753	6445	4278	4813	4813	4645	4600	4586	4633	8333	2998	5838	2833	7111	3584	2388	4424	3400	4360	4586
KAR05	5377	5322	7118	4818	5435	5435	5256	5209	5196	5252	9040	3267	6531	3184	7821	3215	2031	5139	4113	5070	5207
KAR06	4756	4714	6067	4319	4635	4635	4503	4466	4450	4471	7764	3527	5384	3271	6532	4524	3333	3803	2845	3613	3649
KAR07	4593	4560	5592	4249	4364	4364	4267	4239	4222	4219	7122	3902	4857	3585	5891	5265	4090	3168	2308	2878	2829
KAR08	4626	4604	5255	4386	4289	4289	4235	4216	4198	4171	6564	4435	4471	4082	5343	6039	4878	2687	2033	2248	2012
KAR09	5834	5782	7432	5303	5836	5836	5671	5627	5613	5657	9241	3880	6798	3770	8012	3767	2610	5293	4302	5130	5029
KAR10	5494	5446	6932	5007	5430	5430	5283	5242	5227	5259	8656	3860	6265	3682	7424	4224	3032	4696	3733	4489	4347
KAR11	5257	5221	6319	4876	5060	5060	4954	4922	4906	4910	7820	4264	5582	3992	6591	5215	4018	3878	3034	3540	3194
KAR12	5989	5946	7236	5543	5863	5863	5734	5698	5682	5701	8803	4550	6522	4350	7572	4901	3720	4851	3967	4532	4083
KAR13	5628	5596	6497	5289	5377	5377	5290	5263	5246	5238	7840	4815	5728	4529	6621	5777	4578	3960	3227	3519	2866
KAR14	6404	6357	7772	5922	6324	6324	6182	6143	6128	6156	9398	4713	7077	4561	8166	4674	3534	5438	4526	5145	4699
KAR15	5601	5576	6224	5331	5281	5281	5221	5201	5183	5160	7404	5130	5427	4811	6202	6328	5133	3623	3028	3092	2233
KAR16	6670	6628	7836	6235	6524	6524	6403	6368	6351	6366	9305	5233	7100	5042	8080	5380	4229	5383	4552	4995	4301
KAR17	6549	6513	7508	6168	6336	6336	6237	6207	6190	6190	8839	5421	6743	5185	7625	5891	4712	4975	4232	4516	3657
KAR18	7132	7086	8442	6656	7038	7038	6901	6863	6847	6872	9990	5426	7729	5286	8761	5161	4075	6047	5174	5697	5047
KAR19	6343	6321	6802	6098	5991	5991	5946	5928	5910	5879	7787	5920	5987	5606	6617	6995	5796	4172	3703	3553	2265
KAR20	7185	7147	8192	6782	6993	6993	6887	6856	6839	6844	9516	5894	7428	5687	8305	6063	4919	5661	4913	5194	4246
KAR21	6964	6933	7739	6624	6703	6703	6621	6596	6578	6568	8905	6020	6948	5766	7712	6559	5381	5146	4508	4607	3481
KAR22	7015	6988	7596	6724	6701	6701	6640	6619	6602	6579	8611	6317	6786	6035	7442	7055	5866	4972	4442	4371	3054
KAR23	7578	7550	8199	7268	7281	7281	7214	7191	7173	7155	9203	6747	7391	6485	8039	7274	6101	5576	5034	4974	3608
KAR24	4355	4296	6292	3762	4495	4495	4297	4246	4235	4306	8374	2101	5789	2024	7186	2731	1591	4627	3584	4730	5292
KAR25	3448	3401	5018	2976	3401	3401	3244	3202	3187	3225	6962	2358	4429	2036	5754	4131	3064	3136	2091	3227	3959
MAA01	1677	1712	2679	2120	2033	2033	2052	2068	2086	2123	4916	4061	3152	3919	4373	6846	6550	4313	4334	5081	6952
MAA03	1983	2036	2139	2552	2111	2111	2210	2243	2260	2253	4229	4665	2753	4480	3797	7511	7144	4170	4376	4940	6834
MAA04	1696	1762	981	2336	1412	1412	1612	1664	1675	1600	3337	4598	1509	4321	2677	7526	6971	3015	3387	3773	5664
MAA05	2385	2447	1678	3010	2318	2318	2475	2520	2534	2491	3547	5215	2422	4994	3231	8104	7668	4047	4424	4798	6683

To be continued on next page...

DECIBEL - Main Result

Calculation: Low freq Rahkakuru VE1

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WTG	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
MAA06	3124	3190	1186	3765	2809	2809	3023	3077	3085	2999	2344	6027	2003	5751	2231	8955	8396	3815	4457	4488	6292
MAA07	3408	3473	1071	4031	2980	2980	3208	3264	3269	3164	1684	6274	1728	5967	1564	9201	8563	3512	4280	4118	5846
MAA08	3637	3700	1203	4234	3140	3140	3372	3427	3430	3315	1261	6439	1617	6111	1053	9350	8654	3290	4145	3831	5485
RAH01	3316	3336	4223	3604	3757	3757	3748	3757	3774	3828	6178	5047	4813	5029	5866	7487	7453	6053	6038	6822	8690
RAH02	3339	3374	3722	3757	3652	3652	3697	3717	3735	3761	5483	5489	4401	5414	5290	8086	7951	5826	5957	6598	8489
RAH03	2685	2710	3553	3033	3089	3089	3095	3107	3124	3170	5588	4682	4125	4615	5213	7279	7140	5369	5383	6138	8011
RAH04	3376	3421	3288	3879	3569	3569	3656	3686	3703	3705	4865	5801	4031	5681	4767	8505	8286	5587	5837	6351	8245
RAH05	2567	2613	2742	3079	2775	2775	2853	2882	2899	2905	4636	5057	3412	4916	4343	7821	7546	4866	5059	5636	7529
RAH06	2887	2943	2374	3472	2933	2933	3063	3102	3118	3093	3995	5585	3140	5405	3841	8414	8067	4767	5113	5521	7407
RAH07	4509	4569	3256	5119	4442	4442	4607	4653	4667	4620	3799	7270	4086	7079	4170	10105	9747	5881	6427	6576	8393
RAH08	4589	4643	3725	5160	4629	4629	4766	4806	4822	4794	4531	7207	4553	7055	4816	9964	9696	6302	6751	7026	8879
RAH09	3809	3865	2987	4393	3831	3831	3972	4012	4028	3997	4095	6486	3805	6316	4213	9288	8972	5528	5955	6261	8127
RAH10	4180	4229	3745	4706	4319	4319	4426	4460	4476	4467	4938	6649	4543	6527	5047	9342	9133	6204	6541	6955	8837
RAH11	2982	2983	4431	3111	3532	3532	3467	3461	3478	3558	6601	4240	4890	4268	6123	6572	6590	5880	5704	6630	8446
RAH12	3706	3706	5111	3806	4263	4263	4194	4188	4204	4286	7214	4731	5600	4805	6795	6848	6981	6610	6421	7359	9171
RAH13	3637	3621	5413	3582	4255	4255	4141	4123	4138	4238	7656	4096	5790	4228	7109	6018	6225	6571	6243	7290	9031
RAH14	2991	2973	4859	2927	3615	3615	3495	3476	3490	3593	7156	3577	5193	3672	6551	5724	5820	5922	5588	6638	8375
RAH15	3883	3849	5980	3644	4532	4532	4372	4341	4353	4470	8327	3513	6229	3735	7654	5050	5383	6727	6236	7394	9019
RAH16	4469	4445	6343	4333	5103	5103	4971	4947	4961	5069	8597	4435	6696	4640	8038	5916	6301	7383	6977	8081	9770
RAH17	3026	2976	5380	2611	3657	3657	3458	3415	3423	3550	7803	2109	5455	2332	6969	4011	4138	5642	5029	6251	7773
RAH18	3605	3560	5883	3246	4248	4248	4061	4022	4031	4156	8288	2738	6023	2994	7511	4255	4552	6305	5716	6928	8466
RAH19	3701	3645	6110	3202	4300	4300	4086	4038	4043	4172	8539	2001	6113	2338	7650	3261	3556	6099	5375	6646	8034
SIL01	9607	9554	11967	9131	10222	10222	10011	9964	9970	10098	14383	7517	12032	7922	13557	5959	7135	11958	11136	12434	13576
SIL02	9122	9065	11517	8614	9720	9720	9503	9454	9458	9586	13944	6881	11532	7288	13071	5156	6342	11358	10503	11803	12880
SIL03	8502	8443	10917	7971	9084	9084	8863	8813	8817	8944	13347	6157	10894	6563	12440	4348	5536	10648	9772	11071	12110
SIL04	8486	8431	10876	7986	9088	9088	8873	8825	8829	8957	13302	6300	10901	6706	12437	4749	5914	10761	9921	11221	12341
SIL05	9338	9287	11660	8892	9964	9964	9760	9716	9722	9850	14062	7407	11767	7808	13276	6103	7250	11789	11004	12296	13514
SIL06	8972	8919	11330	8499	9588	9588	9378	9332	9337	9466	13747	6914	11398	7319	12922	5483	6641	11341	10528	11825	12994
SIL07	8408	8355	10756	7944	9027	9027	8819	8773	8779	8907	13170	6414	10835	6816	12355	5161	6290	10813	10017	11311	12518
SIL08	8749	8699	11055	8316	9380	9380	9178	9135	9142	9269	13452	6903	11177	7300	12680	5795	6909	11243	10480	11767	13027

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Assumptions

Cmet: Meteorological correction

Calculation Results

Noise sensitive area: A Noise sensitive point: Finnish normal frequency - User defined (23)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	9 446	9 448						
KAR01			20	21.89	63.9	0.00	5.60	7.60
KAR01			25	18.90	67.8	0.19	5.40	8.30
KAR01			32	17.91	73.3	0.28	5.20	9.20
KAR01			40	15.22	76.9	0.47	5.00	10.30
KAR01			50	14.23	82.0	0.66	4.70	11.50
KAR01			63	9.25	83.3	1.04	4.30	13.00
KAR01			80	5.48	86.1	1.51	3.70	14.80
KAR01			100	3.23	90.8	2.36	3.00	16.80
KAR01			125	-5.70	89.3	3.59	1.80	18.80
KAR01			160	-12.99	90.6	5.39	0.00	21.10
KAR01			200	-18.25	91.9	7.75	0.00	22.80
KAR02	10 067	10 069						
KAR02			20	21.34	63.9	0.00	5.60	7.60
KAR02			25	18.34	67.8	0.20	5.40	8.30
KAR02			32	17.34	73.3	0.30	5.20	9.20
KAR02			40	14.64	76.9	0.50	5.00	10.30
KAR02			50	13.64	82.0	0.70	4.70	11.50
KAR02			63	8.63	83.3	1.11	4.30	13.00
KAR02			80	4.83	86.1	1.61	3.70	14.80
KAR02			100	2.52	90.8	2.52	3.00	16.80
KAR02			125	-6.49	89.3	3.83	1.80	18.80
KAR02			160	-13.90	90.6	5.74	0.00	21.10
KAR02			200	-19.32	91.9	8.26	0.00	22.80
KAR03	10 044	10 046						
KAR03			20	21.36	63.9	0.00	5.60	7.60
KAR03			25	18.36	67.8	0.20	5.40	8.30
KAR03			32	17.36	73.3	0.30	5.20	9.20
KAR03			40	14.66	76.9	0.50	5.00	10.30
KAR03			50	13.66	82.0	0.70	4.70	11.50
KAR03			63	8.65	83.3	1.11	4.30	13.00
KAR03			80	4.85	86.1	1.61	3.70	14.80
KAR03			100	2.55	90.8	2.51	3.00	16.80
KAR03			125	-6.46	89.3	3.82	1.80	18.80
KAR03			160	-13.87	90.6	5.73	0.00	21.10
KAR03			200	-19.28	91.9	8.24	0.00	22.80
KAR04	10 210	10 212						
KAR04			20	21.22	63.9	0.00	5.60	7.60
KAR04			25	18.21	67.8	0.20	5.40	8.30
KAR04			32	17.21	73.3	0.31	5.20	9.20
KAR04			40	14.51	76.9	0.51	5.00	10.30
KAR04			50	13.50	82.0	0.71	4.70	11.50
KAR04			63	8.49	83.3	1.12	4.30	13.00
KAR04			80	4.68	86.1	1.63	3.70	14.80
KAR04			100	2.36	90.8	2.55	3.00	16.80
KAR04			125	-6.66	89.3	3.88	1.80	18.80
KAR04			160	-14.10	90.6	5.82	0.00	21.10
KAR04			200	-19.56	91.9	8.37	0.00	22.80
KAR05	10 361	10 363						
KAR05			20	21.09	63.9	0.00	5.60	7.60
KAR05			25	18.08	67.8	0.21	5.40	8.30
KAR05			32	17.08	73.3	0.31	5.20	9.20
KAR05			40	14.37	76.9	0.52	5.00	10.30
KAR05			50	13.36	82.0	0.73	4.70	11.50
KAR05			63	8.35	83.3	1.14	4.30	13.00
KAR05			80	4.53	86.1	1.66	3.70	14.80
KAR05			100	2.20	90.8	2.59	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR05			125	-6.85	89.3	3.94	1.80	18.80
KAR05			160	-14.32	90.6	5.91	0.00	21.10
KAR05			200	-19.81	91.9	8.50	0.00	22.80
KAR06	10 746	10 748						
KAR06			20	20.77	63.9	0.00	5.60	7.60
KAR06			25	17.76	67.8	0.21	5.40	8.30
KAR06			32	16.75	73.3	0.32	5.20	9.20
KAR06			40	14.04	76.9	0.54	5.00	10.30
KAR06			50	13.02	82.0	0.75	4.70	11.50
KAR06			63	7.99	83.3	1.18	4.30	13.00
KAR06			80	4.15	86.1	1.72	3.70	14.80
KAR06			100	1.79	90.8	2.69	3.00	16.80
KAR06			125	-7.31	89.3	4.08	1.80	18.80
KAR06			160	-14.85	90.6	6.13	0.00	21.10
KAR06			200	-20.44	91.9	8.81	0.00	22.80
KAR07	11 017	11 018						
KAR07			20	20.56	63.9	0.00	5.60	7.60
KAR07			25	17.54	67.8	0.22	5.40	8.30
KAR07			32	16.53	73.3	0.33	5.20	9.20
KAR07			40	13.81	76.9	0.55	5.00	10.30
KAR07			50	12.79	82.0	0.77	4.70	11.50
KAR07			63	7.75	83.3	1.21	4.30	13.00
KAR07			80	3.89	86.1	1.76	3.70	14.80
KAR07			100	1.50	90.8	2.75	3.00	16.80
KAR07			125	-7.63	89.3	4.19	1.80	18.80
KAR07			160	-15.22	90.6	6.28	0.00	21.10
KAR07			200	-20.88	91.9	9.04	0.00	22.80
KAR08	11 384	11 386						
KAR08			20	20.27	63.9	0.00	5.60	7.60
KAR08			25	17.25	67.8	0.23	5.40	8.30
KAR08			32	16.23	73.3	0.34	5.20	9.20
KAR08			40	13.50	76.9	0.57	5.00	10.30
KAR08			50	12.48	82.0	0.80	4.70	11.50
KAR08			63	7.42	83.3	1.25	4.30	13.00
KAR08			80	3.55	86.1	1.82	3.70	14.80
KAR08			100	1.13	90.8	2.85	3.00	16.80
KAR08			125	-8.05	89.3	4.33	1.80	18.80
KAR08			160	-15.72	90.6	6.49	0.00	21.10
KAR08			200	-21.46	91.9	9.34	0.00	22.80
KAR09	11 002	11 004						
KAR09			20	20.57	63.9	0.00	5.60	7.60
KAR09			25	17.55	67.8	0.22	5.40	8.30
KAR09			32	16.54	73.3	0.33	5.20	9.20
KAR09			40	13.82	76.9	0.55	5.00	10.30
KAR09			50	12.80	82.0	0.77	4.70	11.50
KAR09			63	7.76	83.3	1.21	4.30	13.00
KAR09			80	3.91	86.1	1.76	3.70	14.80
KAR09			100	1.52	90.8	2.75	3.00	16.80
KAR09			125	-7.61	89.3	4.18	1.80	18.80
KAR09			160	-15.20	90.6	6.27	0.00	21.10
KAR09			200	-20.85	91.9	9.02	0.00	22.80
KAR10	11 075	11 077						
KAR10			20	20.51	63.9	0.00	5.60	7.60
KAR10			25	17.49	67.8	0.22	5.40	8.30
KAR10			32	16.48	73.3	0.33	5.20	9.20
KAR10			40	13.76	76.9	0.55	5.00	10.30
KAR10			50	12.74	82.0	0.78	4.70	11.50
KAR10			63	7.69	83.3	1.22	4.30	13.00
KAR10			80	3.84	86.1	1.77	3.70	14.80
KAR10			100	1.44	90.8	2.77	3.00	16.80
KAR10			125	-7.70	89.3	4.21	1.80	18.80
KAR10			160	-15.30	90.6	6.31	0.00	21.10
KAR10			200	-20.97	91.9	9.08	0.00	22.80
KAR11	11 466	11 468						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			20	20.21	63.9	0.00	5.60	7.60
KAR11			25	17.18	67.8	0.23	5.40	8.30
KAR11			32	16.17	73.3	0.34	5.20	9.20
KAR11			40	13.44	76.9	0.57	5.00	10.30
KAR11			50	12.41	82.0	0.80	4.70	11.50
KAR11			63	7.35	83.3	1.26	4.30	13.00
KAR11			80	3.48	86.1	1.83	3.70	14.80
KAR11			100	1.04	90.8	2.87	3.00	16.80
KAR11			125	-8.15	89.3	4.36	1.80	18.80
KAR11			160	-15.83	90.6	6.54	0.00	21.10
KAR11			200	-21.59	91.9	9.40	0.00	22.80
KAR12	11 777	11 779						
KAR12			20	19.98	63.9	0.00	5.60	7.60
KAR12			25	16.94	67.8	0.24	5.40	8.30
KAR12			32	15.92	73.3	0.35	5.20	9.20
KAR12			40	13.19	76.9	0.59	5.00	10.30
KAR12			50	12.15	82.0	0.82	4.70	11.50
KAR12			63	7.08	83.3	1.30	4.30	13.00
KAR12			80	3.19	86.1	1.88	3.70	14.80
KAR12			100	0.73	90.8	2.94	3.00	16.80
KAR12			125	-8.50	89.3	4.48	1.80	18.80
KAR12			160	-16.24	90.6	6.71	0.00	21.10
KAR12			200	-22.08	91.9	9.66	0.00	22.80
KAR13	11 996	11 997						
KAR13			20	19.82	63.9	0.00	5.60	7.60
KAR13			25	16.78	67.8	0.24	5.40	8.30
KAR13			32	15.76	73.3	0.36	5.20	9.20
KAR13			40	13.02	76.9	0.60	5.00	10.30
KAR13			50	11.98	82.0	0.84	4.70	11.50
KAR13			63	6.90	83.3	1.32	4.30	13.00
KAR13			80	3.00	86.1	1.92	3.70	14.80
KAR13			100	0.52	90.8	3.00	3.00	16.80
KAR13			125	-8.74	89.3	4.56	1.80	18.80
KAR13			160	-16.52	90.6	6.84	0.00	21.10
KAR13			200	-22.42	91.9	9.84	0.00	22.80
KAR14	11 890	11 892						
KAR14			20	19.89	63.9	0.00	5.60	7.60
KAR14			25	16.86	67.8	0.24	5.40	8.30
KAR14			32	15.84	73.3	0.36	5.20	9.20
KAR14			40	13.10	76.9	0.59	5.00	10.30
KAR14			50	12.06	82.0	0.83	4.70	11.50
KAR14			63	6.99	83.3	1.31	4.30	13.00
KAR14			80	3.09	86.1	1.90	3.70	14.80
KAR14			100	0.62	90.8	2.97	3.00	16.80
KAR14			125	-8.62	89.3	4.52	1.80	18.80
KAR14			160	-16.38	90.6	6.78	0.00	21.10
KAR14			200	-22.26	91.9	9.75	0.00	22.80
KAR15	12 223	12 224						
KAR15			20	19.66	63.9	0.00	5.60	7.60
KAR15			25	16.61	67.8	0.24	5.40	8.30
KAR15			32	15.59	73.3	0.37	5.20	9.20
KAR15			40	12.84	76.9	0.61	5.00	10.30
KAR15			50	11.80	82.0	0.86	4.70	11.50
KAR15			63	6.71	83.3	1.34	4.30	13.00
KAR15			80	2.80	86.1	1.96	3.70	14.80
KAR15			100	0.30	90.8	3.06	3.00	16.80
KAR15			125	-8.99	89.3	4.65	1.80	18.80
KAR15			160	-16.81	90.6	6.97	0.00	21.10
KAR15			200	-22.77	91.9	10.02	0.00	22.80
KAR16	12 451	12 453						
KAR16			20	19.49	63.9	0.00	5.60	7.60
KAR16			25	16.45	67.8	0.25	5.40	8.30
KAR16			32	15.42	73.3	0.37	5.20	9.20
KAR16			40	12.67	76.9	0.62	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			50	11.62	82.0	0.87	4.70	11.50
KAR16			63	6.53	83.3	1.37	4.30	13.00
KAR16			80	2.60	86.1	1.99	3.70	14.80
KAR16			100	0.08	90.8	3.11	3.00	16.80
KAR16			125	-9.24	89.3	4.73	1.80	18.80
KAR16			160	-17.10	90.6	7.10	0.00	21.10
KAR16			200	-23.12	91.9	10.21	0.00	22.80
KAR17	12 652	12 654						
KAR17			20	19.36	63.9	0.00	5.60	7.60
KAR17			25	16.30	67.8	0.25	5.40	8.30
KAR17			32	15.28	73.3	0.38	5.20	9.20
KAR17			40	12.52	76.9	0.63	5.00	10.30
KAR17			50	11.47	82.0	0.89	4.70	11.50
KAR17			63	6.36	83.3	1.39	4.30	13.00
KAR17			80	2.43	86.1	2.02	3.70	14.80
KAR17			100	-0.11	90.8	3.16	3.00	16.80
KAR17			125	-9.45	89.3	4.81	1.80	18.80
KAR17			160	-17.36	90.6	7.21	0.00	21.10
KAR17			200	-23.42	91.9	10.38	0.00	22.80
KAR18	12 575	12 576						
KAR18			20	19.41	63.9	0.00	5.60	7.60
KAR18			25	16.36	67.8	0.25	5.40	8.30
KAR18			32	15.33	73.3	0.38	5.20	9.20
KAR18			40	12.58	76.9	0.63	5.00	10.30
KAR18			50	11.53	82.0	0.88	4.70	11.50
KAR18			63	6.43	83.3	1.38	4.30	13.00
KAR18			80	2.50	86.1	2.01	3.70	14.80
KAR18			100	-0.04	90.8	3.14	3.00	16.80
KAR18			125	-9.37	89.3	4.78	1.80	18.80
KAR18			160	-17.26	90.6	7.17	0.00	21.10
KAR18			200	-23.30	91.9	10.31	0.00	22.80
KAR19	13 019	13 021						
KAR19			20	19.11	63.9	0.00	5.60	7.60
KAR19			25	16.05	67.8	0.26	5.40	8.30
KAR19			32	15.02	73.3	0.39	5.20	9.20
KAR19			40	12.26	76.9	0.65	5.00	10.30
KAR19			50	11.20	82.0	0.91	4.70	11.50
KAR19			63	6.07	83.3	1.43	4.30	13.00
KAR19			80	2.12	86.1	2.08	3.70	14.80
KAR19			100	-0.45	90.8	3.26	3.00	16.80
KAR19			125	-9.84	89.3	4.95	1.80	18.80
KAR19			160	-17.81	90.6	7.42	0.00	21.10
KAR19			200	-23.97	91.9	10.68	0.00	22.80
KAR20	13 121	13 122						
KAR20			20	19.04	63.9	0.00	5.60	7.60
KAR20			25	15.98	67.8	0.26	5.40	8.30
KAR20			32	14.95	73.3	0.39	5.20	9.20
KAR20			40	12.18	76.9	0.66	5.00	10.30
KAR20			50	11.12	82.0	0.92	4.70	11.50
KAR20			63	6.00	83.3	1.44	4.30	13.00
KAR20			80	2.04	86.1	2.10	3.70	14.80
KAR20			100	-0.54	90.8	3.28	3.00	16.80
KAR20			125	-9.95	89.3	4.99	1.80	18.80
KAR20			160	-17.94	90.6	7.48	0.00	21.10
KAR20			200	-24.12	91.9	10.76	0.00	22.80
KAR21	13 241	13 243						
KAR21			20	18.96	63.9	0.00	5.60	7.60
KAR21			25	15.90	67.8	0.26	5.40	8.30
KAR21			32	14.86	73.3	0.40	5.20	9.20
KAR21			40	12.10	76.9	0.66	5.00	10.30
KAR21			50	11.03	82.0	0.93	4.70	11.50
KAR21			63	5.90	83.3	1.46	4.30	13.00
KAR21			80	1.94	86.1	2.12	3.70	14.80
KAR21			100	-0.65	90.8	3.31	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR21			125	-10.07	89.3	5.03	1.80	18.80
KAR21			160	-18.09	90.6	7.55	0.00	21.10
KAR21			200	-24.30	91.9	10.86	0.00	22.80
KAR22	13 502	13 503						
KAR22			20	18.79	63.9	0.00	5.60	7.60
KAR22			25	15.72	67.8	0.27	5.40	8.30
KAR22			32	14.69	73.3	0.41	5.20	9.20
KAR22			40	11.92	76.9	0.68	5.00	10.30
KAR22			50	10.85	82.0	0.95	4.70	11.50
KAR22			63	5.71	83.3	1.49	4.30	13.00
KAR22			80	1.73	86.1	2.16	3.70	14.80
KAR22			100	-0.88	90.8	3.38	3.00	16.80
KAR22			125	-10.34	89.3	5.13	1.80	18.80
KAR22			160	-18.41	90.6	7.70	0.00	21.10
KAR22			200	-24.68	91.9	11.07	0.00	22.80
KAR23	13 961	13 962						
KAR23			20	18.50	63.9	0.00	5.60	7.60
KAR23			25	15.42	67.8	0.28	5.40	8.30
KAR23			32	14.38	73.3	0.42	5.20	9.20
KAR23			40	11.60	76.9	0.70	5.00	10.30
KAR23			50	10.52	82.0	0.98	4.70	11.50
KAR23			63	5.37	83.3	1.54	4.30	13.00
KAR23			80	1.37	86.1	2.23	3.70	14.80
KAR23			100	-1.29	90.8	3.49	3.00	16.80
KAR23			125	-10.80	89.3	5.31	1.80	18.80
KAR23			160	-18.96	90.6	7.96	0.00	21.10
KAR23			200	-25.35	91.9	11.45	0.00	22.80
KAR24	9 243	9 245						
KAR24			20	22.08	63.9	0.00	5.60	7.60
KAR24			25	19.10	67.8	0.18	5.40	8.30
KAR24			32	18.10	73.3	0.28	5.20	9.20
KAR24			40	15.42	76.9	0.46	5.00	10.30
KAR24			50	14.43	82.0	0.65	4.70	11.50
KAR24			63	9.46	83.3	1.02	4.30	13.00
KAR24			80	5.70	86.1	1.48	3.70	14.80
KAR24			100	3.47	90.8	2.31	3.00	16.80
KAR24			125	-5.43	89.3	3.51	1.80	18.80
KAR24			160	-12.69	90.6	5.27	0.00	21.10
KAR24			200	-17.90	91.9	7.58	0.00	22.80
KAR25	9 484	9 486						
KAR25			20	21.86	63.9	0.00	5.60	7.60
KAR25			25	18.87	67.8	0.19	5.40	8.30
KAR25			32	17.87	73.3	0.28	5.20	9.20
KAR25			40	15.18	76.9	0.47	5.00	10.30
KAR25			50	14.19	82.0	0.66	4.70	11.50
KAR25			63	9.21	83.3	1.04	4.30	13.00
KAR25			80	5.44	86.1	1.52	3.70	14.80
KAR25			100	3.19	90.8	2.37	3.00	16.80
KAR25			125	-5.75	89.3	3.60	1.80	18.80
KAR25			160	-13.05	90.6	5.41	0.00	21.10
KAR25			200	-18.32	91.9	7.78	0.00	22.80
MAA01	6 183	6 185						
MAA01			20	25.57	63.9	0.00	5.60	7.60
MAA01			25	22.65	67.8	0.12	5.40	8.30
MAA01			32	21.69	73.3	0.19	5.20	9.20
MAA01			40	19.06	76.9	0.31	5.00	10.30
MAA01			50	18.14	82.0	0.43	4.70	11.50
MAA01			63	13.29	83.3	0.68	4.30	13.00
MAA01			80	9.68	86.1	0.99	3.70	14.80
MAA01			100	7.73	90.8	1.55	3.00	16.80
MAA01			125	-0.78	89.3	2.35	1.80	18.80
MAA01			160	-7.45	90.6	3.53	0.00	21.10
MAA01			200	-11.90	91.9	5.07	0.00	22.80
MAA03	6 732	6 734						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			20	24.83	63.9	0.00	5.60	7.60
MAA03			25	21.90	67.8	0.13	5.40	8.30
MAA03			32	20.93	73.3	0.20	5.20	9.20
MAA03			40	18.30	76.9	0.34	5.00	10.30
MAA03			50	17.36	82.0	0.47	4.70	11.50
MAA03			63	12.49	83.3	0.74	4.30	13.00
MAA03			80	8.86	86.1	1.08	3.70	14.80
MAA03			100	6.85	90.8	1.68	3.00	16.80
MAA03			125	-1.72	89.3	2.56	1.80	18.80
MAA03			160	-8.50	90.6	3.84	0.00	21.10
MAA03			200	-13.09	91.9	5.52	0.00	22.80
MAA04	7 882	7 884						
MAA04			20	23.47	63.9	0.00	5.60	7.60
MAA04			25	20.51	67.8	0.16	5.40	8.30
MAA04			32	19.53	73.3	0.24	5.20	9.20
MAA04			40	16.87	76.9	0.39	5.00	10.30
MAA04			50	15.91	82.0	0.55	4.70	11.50
MAA04			63	11.00	83.3	0.87	4.30	13.00
MAA04			80	7.30	86.1	1.26	3.70	14.80
MAA04			100	5.19	90.8	1.97	3.00	16.80
MAA04			125	-3.53	89.3	3.00	1.80	18.80
MAA04			160	-10.53	90.6	4.49	0.00	21.10
MAA04			200	-15.40	91.9	6.46	0.00	22.80
MAA05	7 358	7 359						
MAA05			20	24.06	63.9	0.00	5.60	7.60
MAA05			25	21.12	67.8	0.15	5.40	8.30
MAA05			32	20.14	73.3	0.22	5.20	9.20
MAA05			40	17.50	76.9	0.37	5.00	10.30
MAA05			50	16.55	82.0	0.52	4.70	11.50
MAA05			63	11.65	83.3	0.81	4.30	13.00
MAA05			80	7.99	86.1	1.18	3.70	14.80
MAA05			100	5.92	90.8	1.84	3.00	16.80
MAA05			125	-2.73	89.3	2.80	1.80	18.80
MAA05			160	-9.63	90.6	4.19	0.00	21.10
MAA05			200	-14.37	91.9	6.03	0.00	22.80
MAA06	8 545	8 546						
MAA06			20	22.76	63.9	0.00	5.60	7.60
MAA06			25	19.79	67.8	0.17	5.40	8.30
MAA06			32	18.81	73.3	0.26	5.20	9.20
MAA06			40	16.14	76.9	0.43	5.00	10.30
MAA06			50	15.17	82.0	0.60	4.70	11.50
MAA06			63	10.22	83.3	0.94	4.30	13.00
MAA06			80	6.50	86.1	1.37	3.70	14.80
MAA06			100	4.33	90.8	2.14	3.00	16.80
MAA06			125	-4.48	89.3	3.25	1.80	18.80
MAA06			160	-11.61	90.6	4.87	0.00	21.10
MAA06			200	-16.64	91.9	7.01	0.00	22.80
MAA07	9 220	9 221						
MAA07			20	22.10	63.9	0.00	5.60	7.60
MAA07			25	19.12	67.8	0.18	5.40	8.30
MAA07			32	18.13	73.3	0.28	5.20	9.20
MAA07			40	15.44	76.9	0.46	5.00	10.30
MAA07			50	14.46	82.0	0.65	4.70	11.50
MAA07			63	9.49	83.3	1.01	4.30	13.00
MAA07			80	5.73	86.1	1.48	3.70	14.80
MAA07			100	3.50	90.8	2.31	3.00	16.80
MAA07			125	-5.40	89.3	3.50	1.80	18.80
MAA07			160	-12.65	90.6	5.26	0.00	21.10
MAA07			200	-17.86	91.9	7.56	0.00	22.80
MAA08	9 712	9 713						
MAA08			20	21.65	63.9	0.00	5.60	7.60
MAA08			25	18.66	67.8	0.19	5.40	8.30
MAA08			32	17.66	73.3	0.29	5.20	9.20
MAA08			40	14.97	76.9	0.49	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			50	13.97	82.0	0.68	4.70	11.50
MAA08			63	8.98	83.3	1.07	4.30	13.00
MAA08			80	5.20	86.1	1.55	3.70	14.80
MAA08			100	2.92	90.8	2.43	3.00	16.80
MAA08			125	-6.04	89.3	3.69	1.80	18.80
MAA08			160	-13.38	90.6	5.54	0.00	21.10
MAA08			200	-18.71	91.9	7.96	0.00	22.80
RAH01	4 710	4 713						
RAH01			20	26.08	62.0	0.00	5.60	7.60
RAH01			25	24.49	67.2	0.09	5.40	8.30
RAH01			32	22.84	72.0	0.14	5.20	9.20
RAH01			40	21.42	76.8	0.24	5.00	10.30
RAH01			50	19.83	81.2	0.33	4.70	11.50
RAH01			63	17.54	85.0	0.52	4.30	13.00
RAH01			80	14.50	88.3	0.75	3.70	14.80
RAH01			100	10.76	91.1	1.18	3.00	16.80
RAH01			125	6.14	93.3	1.79	1.80	18.80
RAH01			160	0.12	95.0	2.69	0.00	21.10
RAH01			200	-4.13	96.1	3.86	0.00	22.80
RAH02	5 444	5 446						
RAH02			20	24.83	62.0	0.00	5.60	7.60
RAH02			25	23.22	67.2	0.11	5.40	8.30
RAH02			32	21.56	72.0	0.16	5.20	9.20
RAH02			40	20.13	76.8	0.27	5.00	10.30
RAH02			50	18.52	81.2	0.38	4.70	11.50
RAH02			63	16.20	85.0	0.60	4.30	13.00
RAH02			80	13.13	88.3	0.87	3.70	14.80
RAH02			100	9.32	91.1	1.36	3.00	16.80
RAH02			125	4.61	93.3	2.07	1.80	18.80
RAH02			160	-1.55	95.0	3.10	0.00	21.10
RAH02			200	-5.99	96.1	4.47	0.00	22.80
RAH03	5 323	5 326						
RAH03			20	25.02	62.0	0.00	5.60	7.60
RAH03			25	23.41	67.2	0.11	5.40	8.30
RAH03			32	21.76	72.0	0.16	5.20	9.20
RAH03			40	20.33	76.8	0.27	5.00	10.30
RAH03			50	18.72	81.2	0.37	4.70	11.50
RAH03			63	16.41	85.0	0.59	4.30	13.00
RAH03			80	13.34	88.3	0.85	3.70	14.80
RAH03			100	9.54	91.1	1.33	3.00	16.80
RAH03			125	4.85	93.3	2.02	1.80	18.80
RAH03			160	-1.29	95.0	3.04	0.00	21.10
RAH03			200	-5.70	96.1	4.37	0.00	22.80
RAH04	6 115	6 118						
RAH04			20	23.82	62.0	0.00	5.60	7.60
RAH04			25	22.19	67.2	0.12	5.40	8.30
RAH04			32	20.53	72.0	0.18	5.20	9.20
RAH04			40	19.09	76.8	0.31	5.00	10.30
RAH04			50	17.46	81.2	0.43	4.70	11.50
RAH04			63	15.12	85.0	0.67	4.30	13.00
RAH04			80	12.01	88.3	0.98	3.70	14.80
RAH04			100	8.14	91.1	1.53	3.00	16.80
RAH04			125	3.34	93.3	2.32	1.80	18.80
RAH04			160	-2.94	95.0	3.49	0.00	21.10
RAH04			200	-7.55	96.1	5.02	0.00	22.80
RAH05	6 254	6 257						
RAH05			20	23.62	62.0	0.00	5.60	7.60
RAH05			25	22.00	67.2	0.13	5.40	8.30
RAH05			32	20.33	72.0	0.19	5.20	9.20
RAH05			40	18.88	76.8	0.31	5.00	10.30
RAH05			50	17.26	81.2	0.44	4.70	11.50
RAH05			63	14.91	85.0	0.69	4.30	13.00
RAH05			80	11.80	88.3	1.00	3.70	14.80
RAH05			100	7.91	91.1	1.56	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH05			125	3.10	93.3	2.38	1.80	18.80
RAH05			160	-3.22	95.0	3.57	0.00	21.10
RAH05			200	-7.86	96.1	5.13	0.00	22.80
RAH06	6 910	6 912						
RAH06			20	22.76	62.0	0.00	5.60	7.60
RAH06			25	21.12	67.2	0.14	5.40	8.30
RAH06			32	19.45	72.0	0.21	5.20	9.20
RAH06			40	17.99	76.8	0.35	5.00	10.30
RAH06			50	16.35	81.2	0.48	4.70	11.50
RAH06			63	13.97	85.0	0.76	4.30	13.00
RAH06			80	10.83	88.3	1.11	3.70	14.80
RAH06			100	6.88	91.1	1.73	3.00	16.80
RAH06			125	1.98	93.3	2.63	1.80	18.80
RAH06			160	-4.46	95.0	3.94	0.00	21.10
RAH06			200	-9.26	96.1	5.67	0.00	22.80
RAH07	7 789	7 791						
RAH07			20	21.72	62.0	0.00	5.60	7.60
RAH07			25	20.06	67.2	0.16	5.40	8.30
RAH07			32	18.38	72.0	0.23	5.20	9.20
RAH07			40	16.90	76.8	0.39	5.00	10.30
RAH07			50	15.25	81.2	0.55	4.70	11.50
RAH07			63	12.84	85.0	0.86	4.30	13.00
RAH07			80	9.65	88.3	1.25	3.70	14.80
RAH07			100	5.62	91.1	1.95	3.00	16.80
RAH07			125	0.61	93.3	2.96	1.80	18.80
RAH07			160	-6.00	95.0	4.44	0.00	21.10
RAH07			200	-11.02	96.1	6.39	0.00	22.80
RAH08	7 105	7 107						
RAH08			20	22.52	62.0	0.00	5.60	7.60
RAH08			25	20.87	67.2	0.14	5.40	8.30
RAH08			32	19.20	72.0	0.21	5.20	9.20
RAH08			40	17.74	76.8	0.36	5.00	10.30
RAH08			50	16.09	81.2	0.50	4.70	11.50
RAH08			63	13.71	85.0	0.78	4.30	13.00
RAH08			80	10.55	88.3	1.14	3.70	14.80
RAH08			100	6.59	91.1	1.78	3.00	16.80
RAH08			125	1.67	93.3	2.70	1.80	18.80
RAH08			160	-4.81	95.0	4.05	0.00	21.10
RAH08			200	-9.66	96.1	5.83	0.00	22.80
RAH09	7 081	7 083						
RAH09			20	22.54	62.0	0.00	5.60	7.60
RAH09			25	20.90	67.2	0.14	5.40	8.30
RAH09			32	19.23	72.0	0.21	5.20	9.20
RAH09			40	17.77	76.8	0.35	5.00	10.30
RAH09			50	16.12	81.2	0.50	4.70	11.50
RAH09			63	13.74	85.0	0.78	4.30	13.00
RAH09			80	10.59	88.3	1.13	3.70	14.80
RAH09			100	6.63	91.1	1.77	3.00	16.80
RAH09			125	1.70	93.3	2.69	1.80	18.80
RAH09			160	-4.77	95.0	4.04	0.00	21.10
RAH09			200	-9.61	96.1	5.81	0.00	22.80
RAH10	6 388	6 391						
RAH10			20	23.44	62.0	0.00	5.60	7.60
RAH10			25	21.81	67.2	0.13	5.40	8.30
RAH10			32	20.15	72.0	0.19	5.20	9.20
RAH10			40	18.69	76.8	0.32	5.00	10.30
RAH10			50	17.07	81.2	0.45	4.70	11.50
RAH10			63	14.71	85.0	0.70	4.30	13.00
RAH10			80	11.59	88.3	1.02	3.70	14.80
RAH10			100	7.69	91.1	1.60	3.00	16.80
RAH10			125	2.86	93.3	2.43	1.80	18.80
RAH10			160	-3.48	95.0	3.64	0.00	21.10
RAH10			200	-8.15	96.1	5.24	0.00	22.80
RAH11	4 433	4 436						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			20	26.61	62.0	0.00	5.60	7.60
RAH11			25	25.02	67.2	0.09	5.40	8.30
RAH11			32	23.37	72.0	0.13	5.20	9.20
RAH11			40	21.96	76.8	0.22	5.00	10.30
RAH11			50	20.37	81.2	0.31	4.70	11.50
RAH11			63	18.10	85.0	0.49	4.30	13.00
RAH11			80	15.07	88.3	0.71	3.70	14.80
RAH11			100	11.35	91.1	1.11	3.00	16.80
RAH11			125	6.77	93.3	1.69	1.80	18.80
RAH11			160	0.81	95.0	2.53	0.00	21.10
RAH11			200	-3.38	96.1	3.64	0.00	22.80
RAH12	3 735	3 738						
RAH12			20	28.09	62.0	0.00	5.60	7.60
RAH12			25	26.52	67.2	0.07	5.40	8.30
RAH12			32	24.88	72.0	0.11	5.20	9.20
RAH12			40	23.48	76.8	0.19	5.00	10.30
RAH12			50	21.91	81.2	0.26	4.70	11.50
RAH12			63	19.66	85.0	0.41	4.30	13.00
RAH12			80	16.67	88.3	0.60	3.70	14.80
RAH12			100	13.01	91.1	0.93	3.00	16.80
RAH12			125	8.53	93.3	1.42	1.80	18.80
RAH12			160	2.69	95.0	2.13	0.00	21.10
RAH12			200	-1.32	96.1	3.07	0.00	22.80
RAH13	3 625	3 629						
RAH13			20	28.35	62.0	0.00	5.60	7.60
RAH13			25	26.78	67.2	0.07	5.40	8.30
RAH13			32	25.14	72.0	0.11	5.20	9.20
RAH13			40	23.75	76.8	0.18	5.00	10.30
RAH13			50	22.17	81.2	0.25	4.70	11.50
RAH13			63	19.93	85.0	0.40	4.30	13.00
RAH13			80	16.95	88.3	0.58	3.70	14.80
RAH13			100	13.30	91.1	0.91	3.00	16.80
RAH13			125	8.82	93.3	1.38	1.80	18.80
RAH13			160	3.01	95.0	2.07	0.00	21.10
RAH13			200	-0.97	96.1	2.98	0.00	22.80
RAH14	4 277	4 281						
RAH14			20	26.92	62.0	0.00	5.60	7.60
RAH14			25	25.33	67.2	0.09	5.40	8.30
RAH14			32	23.69	72.0	0.13	5.20	9.20
RAH14			40	22.28	76.8	0.21	5.00	10.30
RAH14			50	20.69	81.2	0.30	4.70	11.50
RAH14			63	18.42	85.0	0.47	4.30	13.00
RAH14			80	15.41	88.3	0.68	3.70	14.80
RAH14			100	11.70	91.1	1.07	3.00	16.80
RAH14			125	7.14	93.3	1.63	1.80	18.80
RAH14			160	1.21	95.0	2.44	0.00	21.10
RAH14			200	-2.94	96.1	3.51	0.00	22.80
RAH15	3 748	3 752						
RAH15			20	28.06	62.0	0.00	5.60	7.60
RAH15			25	26.49	67.2	0.08	5.40	8.30
RAH15			32	24.85	72.0	0.11	5.20	9.20
RAH15			40	23.45	76.8	0.19	5.00	10.30
RAH15			50	21.88	81.2	0.26	4.70	11.50
RAH15			63	19.63	85.0	0.41	4.30	13.00
RAH15			80	16.64	88.3	0.60	3.70	14.80
RAH15			100	12.98	91.1	0.94	3.00	16.80
RAH15			125	8.49	93.3	1.43	1.80	18.80
RAH15			160	2.65	95.0	2.14	0.00	21.10
RAH15			200	-1.36	96.1	3.08	0.00	22.80
RAH16	2 892	2 897						
RAH16			20	30.31	62.0	0.00	5.60	7.60
RAH16			25	28.75	67.2	0.06	5.40	8.30
RAH16			32	27.12	72.0	0.09	5.20	9.20
RAH16			40	25.74	76.8	0.14	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			50	24.18	81.2	0.20	4.70	11.50
RAH16			63	21.97	85.0	0.32	4.30	13.00
RAH16			80	19.02	88.3	0.46	3.70	14.80
RAH16			100	15.44	91.1	0.72	3.00	16.80
RAH16			125	11.06	93.3	1.10	1.80	18.80
RAH16			160	5.39	95.0	1.65	0.00	21.10
RAH16			200	1.59	96.1	2.38	0.00	22.80
RAH17	5 144	5 148						
RAH17			20	25.32	62.0	0.00	5.60	7.60
RAH17			25	23.71	67.2	0.10	5.40	8.30
RAH17			32	22.06	72.0	0.15	5.20	9.20
RAH17			40	20.63	76.8	0.26	5.00	10.30
RAH17			50	19.03	81.2	0.36	4.70	11.50
RAH17			63	16.73	85.0	0.57	4.30	13.00
RAH17			80	13.67	88.3	0.82	3.70	14.80
RAH17			100	9.88	91.1	1.29	3.00	16.80
RAH17			125	5.21	93.3	1.96	1.80	18.80
RAH17			160	-0.89	95.0	2.93	0.00	21.10
RAH17			200	-5.25	96.1	4.22	0.00	22.80
RAH18	4 495	4 499						
RAH18			20	26.49	62.0	0.00	5.60	7.60
RAH18			25	24.90	67.2	0.09	5.40	8.30
RAH18			32	23.25	72.0	0.13	5.20	9.20
RAH18			40	21.84	76.8	0.22	5.00	10.30
RAH18			50	20.25	81.2	0.31	4.70	11.50
RAH18			63	17.97	85.0	0.49	4.30	13.00
RAH18			80	14.94	88.3	0.72	3.70	14.80
RAH18			100	11.21	91.1	1.12	3.00	16.80
RAH18			125	6.63	93.3	1.71	1.80	18.80
RAH18			160	0.65	95.0	2.56	0.00	21.10
RAH18			200	-3.55	96.1	3.69	0.00	22.80
RAH19	5 354	5 358						
RAH19			20	24.97	62.0	0.00	5.60	7.60
RAH19			25	23.36	67.2	0.11	5.40	8.30
RAH19			32	21.71	72.0	0.16	5.20	9.20
RAH19			40	20.28	76.8	0.27	5.00	10.30
RAH19			50	18.67	81.2	0.38	4.70	11.50
RAH19			63	16.35	85.0	0.59	4.30	13.00
RAH19			80	13.29	88.3	0.86	3.70	14.80
RAH19			100	9.48	91.1	1.34	3.00	16.80
RAH19			125	4.78	93.3	2.04	1.80	18.80
RAH19			160	-1.36	95.0	3.05	0.00	21.10
RAH19			200	-5.77	96.1	4.39	0.00	22.80
SIL01	6 218	6 220						
SIL01			20	24.95	63.3	0.00	5.60	7.60
SIL01			25	23.22	68.4	0.12	5.40	8.30
SIL01			32	17.27	68.9	0.19	5.20	9.20
SIL01			40	14.24	72.1	0.31	5.00	10.30
SIL01			50	12.91	76.8	0.44	4.70	11.50
SIL01			63	9.75	79.8	0.68	4.30	13.00
SIL01			80	6.14	82.6	1.00	3.70	14.80
SIL01			100	2.90	86.0	1.56	3.00	16.80
SIL01			125	-0.85	89.3	2.36	1.80	18.80
SIL01			160	-9.94	88.2	3.55	0.00	21.10
SIL01			200	-13.89	90.0	5.10	0.00	22.80
SIL02	6 453	6 455						
SIL02			20	24.63	63.3	0.00	5.60	7.60
SIL02			25	22.89	68.4	0.13	5.40	8.30
SIL02			32	16.94	68.9	0.19	5.20	9.20
SIL02			40	13.90	72.1	0.32	5.00	10.30
SIL02			50	12.57	76.8	0.45	4.70	11.50
SIL02			63	9.40	79.8	0.71	4.30	13.00
SIL02			80	5.78	82.6	1.03	3.70	14.80
SIL02			100	2.52	86.0	1.61	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL02			125	-1.26	89.3	2.45	1.80	18.80
SIL02			160	-10.39	88.2	3.68	0.00	21.10
SIL02			200	-14.40	90.0	5.29	0.00	22.80
SIL03	6 510	6 512						
SIL03			20	24.55	63.3	0.00	5.60	7.60
SIL03			25	22.81	68.4	0.13	5.40	8.30
SIL03			32	16.86	68.9	0.20	5.20	9.20
SIL03			40	13.82	72.1	0.33	5.00	10.30
SIL03			50	12.49	76.8	0.46	4.70	11.50
SIL03			63	9.31	79.8	0.72	4.30	13.00
SIL03			80	5.70	82.6	1.04	3.70	14.80
SIL03			100	2.43	86.0	1.63	3.00	16.80
SIL03			125	-1.36	89.3	2.47	1.80	18.80
SIL03			160	-10.50	88.2	3.71	0.00	21.10
SIL03			200	-14.53	90.0	5.34	0.00	22.80
SIL04	5 970	5 973						
SIL04			20	25.30	63.3	0.00	5.60	7.60
SIL04			25	23.57	68.4	0.12	5.40	8.30
SIL04			32	17.63	68.9	0.18	5.20	9.20
SIL04			40	14.60	72.1	0.30	5.00	10.30
SIL04			50	13.28	76.8	0.42	4.70	11.50
SIL04			63	10.13	79.8	0.66	4.30	13.00
SIL04			80	6.53	82.6	0.96	3.70	14.80
SIL04			100	3.31	86.0	1.49	3.00	16.80
SIL04			125	-0.40	89.3	2.27	1.80	18.80
SIL04			160	-9.45	88.2	3.40	0.00	21.10
SIL04			200	-13.33	90.0	4.90	0.00	22.80
SIL05	5 578	5 581						
SIL05			20	25.89	63.3	0.00	5.60	7.60
SIL05			25	24.17	68.4	0.11	5.40	8.30
SIL05			32	18.23	68.9	0.17	5.20	9.20
SIL05			40	15.21	72.1	0.28	5.00	10.30
SIL05			50	13.90	76.8	0.39	4.70	11.50
SIL05			63	10.76	79.8	0.61	4.30	13.00
SIL05			80	7.18	82.6	0.89	3.70	14.80
SIL05			100	4.00	86.0	1.40	3.00	16.80
SIL05			125	0.33	89.3	2.12	1.80	18.80
SIL05			160	-8.63	88.2	3.18	0.00	21.10
SIL05			200	-12.42	90.0	4.58	0.00	22.80
SIL06	5 782	5 785						
SIL06			20	25.58	63.3	0.00	5.60	7.60
SIL06			25	23.86	68.4	0.12	5.40	8.30
SIL06			32	17.91	68.9	0.17	5.20	9.20
SIL06			40	14.89	72.1	0.29	5.00	10.30
SIL06			50	13.57	76.8	0.40	4.70	11.50
SIL06			63	10.42	79.8	0.64	4.30	13.00
SIL06			80	6.84	82.6	0.93	3.70	14.80
SIL06			100	3.64	86.0	1.45	3.00	16.80
SIL06			125	-0.06	89.3	2.20	1.80	18.80
SIL06			160	-9.06	88.2	3.30	0.00	21.10
SIL06			200	-12.90	90.0	4.74	0.00	22.80
SIL07	5 336	5 339						
SIL07			20	26.27	63.3	0.00	5.60	7.60
SIL07			25	24.56	68.4	0.11	5.40	8.30
SIL07			32	18.62	68.9	0.16	5.20	9.20
SIL07			40	15.61	72.1	0.27	5.00	10.30
SIL07			50	14.30	76.8	0.37	4.70	11.50
SIL07			63	11.17	79.8	0.59	4.30	13.00
SIL07			80	7.61	82.6	0.85	3.70	14.80
SIL07			100	4.45	86.0	1.33	3.00	16.80
SIL07			125	0.81	89.3	2.03	1.80	18.80
SIL07			160	-8.11	88.2	3.04	0.00	21.10
SIL07			200	-11.84	90.0	4.38	0.00	22.80
SIL08	5 041	5 044						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			20	26.77	63.3	0.00	5.60	7.60
SIL08			25	25.06	68.4	0.10	5.40	8.30
SIL08			32	19.12	68.9	0.15	5.20	9.20
SIL08			40	16.12	72.1	0.25	5.00	10.30
SIL08			50	14.82	76.8	0.35	4.70	11.50
SIL08			63	11.70	79.8	0.55	4.30	13.00
SIL08			80	8.15	82.6	0.81	3.70	14.80
SIL08			100	5.01	86.0	1.26	3.00	16.80
SIL08			125	1.42	89.3	1.92	1.80	18.80
SIL08			160	-7.45	88.2	2.87	0.00	21.10
SIL08			200	-11.10	90.0	4.14	0.00	22.80
Sum								
Sum			20	41.68				
Sum			25	39.69				
Sum			32	37.62				
Sum			40	35.74				
Sum			50	34.32				
Sum			63	31.39				
Sum			80	28.20				
Sum			100	24.75				
Sum			125	19.67				
Sum			160	13.42				
Sum			200	9.21				

Noise sensitive area: B Noise sensitive point: Finnish normal frequency - User defined (2)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	10 192	10 194						
KAR01			20	21.23	63.9	0.00	5.60	7.60
KAR01			25	18.23	67.8	0.20	5.40	8.30
KAR01			32	17.23	73.3	0.31	5.20	9.20
KAR01			40	14.52	76.9	0.51	5.00	10.30
KAR01			50	13.52	82.0	0.71	4.70	11.50
KAR01			63	8.51	83.3	1.12	4.30	13.00
KAR01			80	4.70	86.1	1.63	3.70	14.80
KAR01			100	2.38	90.8	2.55	3.00	16.80
KAR01			125	-6.64	89.3	3.87	1.80	18.80
KAR01			160	-14.08	90.6	5.81	0.00	21.10
KAR01			200	-19.53	91.9	8.36	0.00	22.80
KAR02	10 113	10 115						
KAR02			20	21.30	63.9	0.00	5.60	7.60
KAR02			25	18.30	67.8	0.20	5.40	8.30
KAR02			32	17.30	73.3	0.30	5.20	9.20
KAR02			40	14.59	76.9	0.51	5.00	10.30
KAR02			50	13.59	82.0	0.71	4.70	11.50
KAR02			63	8.59	83.3	1.11	4.30	13.00
KAR02			80	4.78	86.1	1.62	3.70	14.80
KAR02			100	2.47	90.8	2.53	3.00	16.80
KAR02			125	-6.54	89.3	3.84	1.80	18.80
KAR02			160	-13.97	90.6	5.77	0.00	21.10
KAR02			200	-19.39	91.9	8.29	0.00	22.80
KAR03	10 482	10 484						
KAR03			20	20.99	63.9	0.00	5.60	7.60
KAR03			25	17.98	67.8	0.21	5.40	8.30
KAR03			32	16.97	73.3	0.31	5.20	9.20
KAR03			40	14.27	76.9	0.52	5.00	10.30
KAR03			50	13.26	82.0	0.73	4.70	11.50
KAR03			63	8.24	83.3	1.15	4.30	13.00
KAR03			80	4.41	86.1	1.68	3.70	14.80
KAR03			100	2.07	90.8	2.62	3.00	16.80
KAR03			125	-6.99	89.3	3.98	1.80	18.80
KAR03			160	-14.49	90.6	5.98	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR03			200	-20.01	91.9	8.60	0.00	22.80
KAR04	11 014	11 016						
KAR04			20	20.56	63.9	0.00	5.60	7.60
KAR04			25	17.54	67.8	0.22	5.40	8.30
KAR04			32	16.53	73.3	0.33	5.20	9.20
KAR04			40	13.81	76.9	0.55	5.00	10.30
KAR04			50	12.79	82.0	0.77	4.70	11.50
KAR04			63	7.75	83.3	1.21	4.30	13.00
KAR04			80	3.90	86.1	1.76	3.70	14.80
KAR04			100	1.51	90.8	2.75	3.00	16.80
KAR04			125	-7.63	89.3	4.19	1.80	18.80
KAR04			160	-15.22	90.6	6.28	0.00	21.10
KAR04			200	-20.87	91.9	9.03	0.00	22.80
KAR05	11 521	11 522						
KAR05			20	20.17	63.9	0.00	5.60	7.60
KAR05			25	17.14	67.8	0.23	5.40	8.30
KAR05			32	16.12	73.3	0.35	5.20	9.20
KAR05			40	13.39	76.9	0.58	5.00	10.30
KAR05			50	12.36	82.0	0.81	4.70	11.50
KAR05			63	7.30	83.3	1.27	4.30	13.00
KAR05			80	3.43	86.1	1.84	3.70	14.80
KAR05			100	0.99	90.8	2.88	3.00	16.80
KAR05			125	-8.21	89.3	4.38	1.80	18.80
KAR05			160	-15.90	90.6	6.57	0.00	21.10
KAR05			200	-21.68	91.9	9.45	0.00	22.80
KAR06	11 028	11 030						
KAR06			20	20.55	63.9	0.00	5.60	7.60
KAR06			25	17.53	67.8	0.22	5.40	8.30
KAR06			32	16.52	73.3	0.33	5.20	9.20
KAR06			40	13.80	76.9	0.55	5.00	10.30
KAR06			50	12.78	82.0	0.77	4.70	11.50
KAR06			63	7.74	83.3	1.21	4.30	13.00
KAR06			80	3.88	86.1	1.76	3.70	14.80
KAR06			100	1.49	90.8	2.76	3.00	16.80
KAR06			125	-7.64	89.3	4.19	1.80	18.80
KAR06			160	-15.24	90.6	6.29	0.00	21.10
KAR06			200	-20.90	91.9	9.04	0.00	22.80
KAR07	10 831	10 833						
KAR07			20	20.70	63.9	0.00	5.60	7.60
KAR07			25	17.69	67.8	0.22	5.40	8.30
KAR07			32	16.68	73.3	0.32	5.20	9.20
KAR07			40	13.96	76.9	0.54	5.00	10.30
KAR07			50	12.95	82.0	0.76	4.70	11.50
KAR07			63	7.91	83.3	1.19	4.30	13.00
KAR07			80	4.07	86.1	1.73	3.70	14.80
KAR07			100	1.70	90.8	2.71	3.00	16.80
KAR07			125	-7.41	89.3	4.12	1.80	18.80
KAR07			160	-14.97	90.6	6.17	0.00	21.10
KAR07			200	-20.58	91.9	8.88	0.00	22.80
KAR08	10 747	10 748						
KAR08			20	20.77	63.9	0.00	5.60	7.60
KAR08			25	17.76	67.8	0.21	5.40	8.30
KAR08			32	16.75	73.3	0.32	5.20	9.20
KAR08			40	14.04	76.9	0.54	5.00	10.30
KAR08			50	13.02	82.0	0.75	4.70	11.50
KAR08			63	7.99	83.3	1.18	4.30	13.00
KAR08			80	4.15	86.1	1.72	3.70	14.80
KAR08			100	1.79	90.8	2.69	3.00	16.80
KAR08			125	-7.31	89.3	4.08	1.80	18.80
KAR08			160	-14.85	90.6	6.13	0.00	21.10
KAR08			200	-20.44	91.9	8.81	0.00	22.80
KAR09	12 034	12 036						
KAR09			20	19.79	63.9	0.00	5.60	7.60
KAR09			25	16.75	67.8	0.24	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			32	15.73	73.3	0.36	5.20	9.20
KAR09			40	12.99	76.9	0.60	5.00	10.30
KAR09			50	11.95	82.0	0.84	4.70	11.50
KAR09			63	6.87	83.3	1.32	4.30	13.00
KAR09			80	2.96	86.1	1.93	3.70	14.80
KAR09			100	0.48	90.8	3.01	3.00	16.80
KAR09			125	-8.78	89.3	4.57	1.80	18.80
KAR09			160	-16.57	90.6	6.86	0.00	21.10
KAR09			200	-22.48	91.9	9.87	0.00	22.80
KAR10	11 747	11 749						
KAR10			20	20.00	63.9	0.00	5.60	7.60
KAR10			25	16.97	67.8	0.23	5.40	8.30
KAR10			32	15.95	73.3	0.35	5.20	9.20
KAR10			40	13.21	76.9	0.59	5.00	10.30
KAR10			50	12.18	82.0	0.82	4.70	11.50
KAR10			63	7.11	83.3	1.29	4.30	13.00
KAR10			80	3.22	86.1	1.88	3.70	14.80
KAR10			100	0.76	90.8	2.94	3.00	16.80
KAR10			125	-8.46	89.3	4.46	1.80	18.80
KAR10			160	-16.20	90.6	6.70	0.00	21.10
KAR10			200	-22.03	91.9	9.63	0.00	22.80
KAR11	11 515	11 517						
KAR11			20	20.17	63.9	0.00	5.60	7.60
KAR11			25	17.14	67.8	0.23	5.40	8.30
KAR11			32	16.13	73.3	0.35	5.20	9.20
KAR11			40	13.40	76.9	0.58	5.00	10.30
KAR11			50	12.37	82.0	0.81	4.70	11.50
KAR11			63	7.31	83.3	1.27	4.30	13.00
KAR11			80	3.43	86.1	1.84	3.70	14.80
KAR11			100	0.99	90.8	2.88	3.00	16.80
KAR11			125	-8.20	89.3	4.38	1.80	18.80
KAR11			160	-15.89	90.6	6.56	0.00	21.10
KAR11			200	-21.67	91.9	9.44	0.00	22.80
KAR12	12 260	12 262						
KAR12			20	19.63	63.9	0.00	5.60	7.60
KAR12			25	16.58	67.8	0.25	5.40	8.30
KAR12			32	15.56	73.3	0.37	5.20	9.20
KAR12			40	12.82	76.9	0.61	5.00	10.30
KAR12			50	11.77	82.0	0.86	4.70	11.50
KAR12			63	6.68	83.3	1.35	4.30	13.00
KAR12			80	2.77	86.1	1.96	3.70	14.80
KAR12			100	0.26	90.8	3.07	3.00	16.80
KAR12			125	-9.03	89.3	4.66	1.80	18.80
KAR12			160	-16.86	90.6	6.99	0.00	21.10
KAR12			200	-22.83	91.9	10.05	0.00	22.80
KAR13	11 851	11 852						
KAR13			20	19.92	63.9	0.00	5.60	7.60
KAR13			25	16.89	67.8	0.24	5.40	8.30
KAR13			32	15.87	73.3	0.36	5.20	9.20
KAR13			40	13.13	76.9	0.59	5.00	10.30
KAR13			50	12.09	82.0	0.83	4.70	11.50
KAR13			63	7.02	83.3	1.30	4.30	13.00
KAR13			80	3.13	86.1	1.90	3.70	14.80
KAR13			100	0.66	90.8	2.96	3.00	16.80
KAR13			125	-8.58	89.3	4.50	1.80	18.80
KAR13			160	-16.33	90.6	6.76	0.00	21.10
KAR13			200	-22.20	91.9	9.72	0.00	22.80
KAR14	12 661	12 663						
KAR14			20	19.35	63.9	0.00	5.60	7.60
KAR14			25	16.30	67.8	0.25	5.40	8.30
KAR14			32	15.27	73.3	0.38	5.20	9.20
KAR14			40	12.52	76.9	0.63	5.00	10.30
KAR14			50	11.46	82.0	0.89	4.70	11.50
KAR14			63	6.36	83.3	1.39	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR14			80	2.42	86.1	2.03	3.70	14.80
KAR14			100	-0.12	90.8	3.17	3.00	16.80
KAR14			125	-9.46	89.3	4.81	1.80	18.80
KAR14			160	-17.37	90.6	7.22	0.00	21.10
KAR14			200	-23.43	91.9	10.38	0.00	22.80
KAR15	11 742	11 744						
KAR15			20	20.00	63.9	0.00	5.60	7.60
KAR15			25	16.97	67.8	0.23	5.40	8.30
KAR15			32	15.95	73.3	0.35	5.20	9.20
KAR15			40	13.22	76.9	0.59	5.00	10.30
KAR15			50	12.18	82.0	0.82	4.70	11.50
KAR15			63	7.11	83.3	1.29	4.30	13.00
KAR15			80	3.22	86.1	1.88	3.70	14.80
KAR15			100	0.77	90.8	2.94	3.00	16.80
KAR15			125	-8.46	89.3	4.46	1.80	18.80
KAR15			160	-16.19	90.6	6.69	0.00	21.10
KAR15			200	-22.03	91.9	9.63	0.00	22.80
KAR16	12 942	12 944						
KAR16			20	19.16	63.9	0.00	5.60	7.60
KAR16			25	16.10	67.8	0.26	5.40	8.30
KAR16			32	15.07	73.3	0.39	5.20	9.20
KAR16			40	12.31	76.9	0.65	5.00	10.30
KAR16			50	11.25	82.0	0.91	4.70	11.50
KAR16			63	6.14	83.3	1.42	4.30	13.00
KAR16			80	2.19	86.1	2.07	3.70	14.80
KAR16			100	-0.38	90.8	3.24	3.00	16.80
KAR16			125	-9.76	89.3	4.92	1.80	18.80
KAR16			160	-17.72	90.6	7.38	0.00	21.10
KAR16			200	-23.85	91.9	10.61	0.00	22.80
KAR17	12 801	12 802						
KAR17			20	19.25	63.9	0.00	5.60	7.60
KAR17			25	16.20	67.8	0.26	5.40	8.30
KAR17			32	15.17	73.3	0.38	5.20	9.20
KAR17			40	12.41	76.9	0.64	5.00	10.30
KAR17			50	11.36	82.0	0.90	4.70	11.50
KAR17			63	6.25	83.3	1.41	4.30	13.00
KAR17			80	2.31	86.1	2.05	3.70	14.80
KAR17			100	-0.25	90.8	3.20	3.00	16.80
KAR17			125	-9.61	89.3	4.86	1.80	18.80
KAR17			160	-17.54	90.6	7.30	0.00	21.10
KAR17			200	-23.64	91.9	10.50	0.00	22.80
KAR18	13 393	13 395						
KAR18			20	18.86	63.9	0.00	5.60	7.60
KAR18			25	15.79	67.8	0.27	5.40	8.30
KAR18			32	14.76	73.3	0.40	5.20	9.20
KAR18			40	11.99	76.9	0.67	5.00	10.30
KAR18			50	10.92	82.0	0.94	4.70	11.50
KAR18			63	5.79	83.3	1.47	4.30	13.00
KAR18			80	1.82	86.1	2.14	3.70	14.80
KAR18			100	-0.79	90.8	3.35	3.00	16.80
KAR18			125	-10.23	89.3	5.09	1.80	18.80
KAR18			160	-18.27	90.6	7.64	0.00	21.10
KAR18			200	-24.52	91.9	10.98	0.00	22.80
KAR19	12 425	12 427						
KAR19			20	19.51	63.9	0.00	5.60	7.60
KAR19			25	16.46	67.8	0.25	5.40	8.30
KAR19			32	15.44	73.3	0.37	5.20	9.20
KAR19			40	12.69	76.9	0.62	5.00	10.30
KAR19			50	11.64	82.0	0.87	4.70	11.50
KAR19			63	6.55	83.3	1.37	4.30	13.00
KAR19			80	2.62	86.1	1.99	3.70	14.80
KAR19			100	0.11	90.8	3.11	3.00	16.80
KAR19			125	-9.21	89.3	4.72	1.80	18.80
KAR19			160	-17.07	90.6	7.08	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR19			200	-23.08	91.9	10.19	0.00	22.80
KAR20	13 447	13 449						
KAR20			20	18.83	63.9	0.00	5.60	7.60
KAR20			25	15.76	67.8	0.27	5.40	8.30
KAR20			32	14.72	73.3	0.40	5.20	9.20
KAR20			40	11.95	76.9	0.67	5.00	10.30
KAR20			50	10.88	82.0	0.94	4.70	11.50
KAR20			63	5.75	83.3	1.48	4.30	13.00
KAR20			80	1.77	86.1	2.15	3.70	14.80
KAR20			100	-0.84	90.8	3.36	3.00	16.80
KAR20			125	-10.28	89.3	5.11	1.80	18.80
KAR20			160	-18.34	90.6	7.67	0.00	21.10
KAR20			200	-24.60	91.9	11.03	0.00	22.80
KAR21	13 177	13 179						
KAR21			20	19.00	63.9	0.00	5.60	7.60
KAR21			25	15.94	67.8	0.26	5.40	8.30
KAR21			32	14.91	73.3	0.40	5.20	9.20
KAR21			40	12.14	76.9	0.66	5.00	10.30
KAR21			50	11.08	82.0	0.92	4.70	11.50
KAR21			63	5.95	83.3	1.45	4.30	13.00
KAR21			80	1.99	86.1	2.11	3.70	14.80
KAR21			100	-0.59	90.8	3.29	3.00	16.80
KAR21			125	-10.01	89.3	5.01	1.80	18.80
KAR21			160	-18.01	90.6	7.51	0.00	21.10
KAR21			200	-24.20	91.9	10.81	0.00	22.80
KAR22	13 161	13 163						
KAR22			20	19.01	63.9	0.00	5.60	7.60
KAR22			25	15.95	67.8	0.26	5.40	8.30
KAR22			32	14.92	73.3	0.39	5.20	9.20
KAR22			40	12.15	76.9	0.66	5.00	10.30
KAR22			50	11.09	82.0	0.92	4.70	11.50
KAR22			63	5.97	83.3	1.45	4.30	13.00
KAR22			80	2.01	86.1	2.11	3.70	14.80
KAR22			100	-0.58	90.8	3.29	3.00	16.80
KAR22			125	-9.99	89.3	5.00	1.80	18.80
KAR22			160	-17.99	90.6	7.50	0.00	21.10
KAR22			200	-24.18	91.9	10.79	0.00	22.80
KAR23	13 747	13 749						
KAR23			20	18.63	63.9	0.00	5.60	7.60
KAR23			25	15.56	67.8	0.27	5.40	8.30
KAR23			32	14.52	73.3	0.41	5.20	9.20
KAR23			40	11.75	76.9	0.69	5.00	10.30
KAR23			50	10.67	82.0	0.96	4.70	11.50
KAR23			63	5.52	83.3	1.51	4.30	13.00
KAR23			80	1.54	86.1	2.20	3.70	14.80
KAR23			100	-1.10	90.8	3.44	3.00	16.80
KAR23			125	-10.59	89.3	5.22	1.80	18.80
KAR23			160	-18.70	90.6	7.84	0.00	21.10
KAR23			200	-25.04	91.9	11.27	0.00	22.80
KAR24	10 406	10 408						
KAR24			20	21.05	63.9	0.00	5.60	7.60
KAR24			25	18.04	67.8	0.21	5.40	8.30
KAR24			32	17.04	73.3	0.31	5.20	9.20
KAR24			40	14.33	76.9	0.52	5.00	10.30
KAR24			50	13.32	82.0	0.73	4.70	11.50
KAR24			63	8.31	83.3	1.14	4.30	13.00
KAR24			80	4.49	86.1	1.67	3.70	14.80
KAR24			100	2.15	90.8	2.60	3.00	16.80
KAR24			125	-6.90	89.3	3.96	1.80	18.80
KAR24			160	-14.38	90.6	5.93	0.00	21.10
KAR24			200	-19.88	91.9	8.53	0.00	22.80
KAR25	9 707	9 710						
KAR25			20	21.66	63.9	0.00	5.60	7.60
KAR25			25	18.66	67.8	0.19	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			32	17.66	73.3	0.29	5.20	9.20
KAR25			40	14.97	76.9	0.49	5.00	10.30
KAR25			50	13.98	82.0	0.68	4.70	11.50
KAR25			63	8.99	83.3	1.07	4.30	13.00
KAR25			80	5.20	86.1	1.55	3.70	14.80
KAR25			100	2.93	90.8	2.43	3.00	16.80
KAR25			125	-6.03	89.3	3.69	1.80	18.80
KAR25			160	-13.38	90.6	5.53	0.00	21.10
KAR25			200	-18.71	91.9	7.96	0.00	22.80
MAA01	4 622	4 625						
MAA01			20	28.10	63.9	0.00	5.60	7.60
MAA01			25	25.21	67.8	0.09	5.40	8.30
MAA01			32	24.26	73.3	0.14	5.20	9.20
MAA01			40	21.67	76.9	0.23	5.00	10.30
MAA01			50	20.77	82.0	0.32	4.70	11.50
MAA01			63	15.99	83.3	0.51	4.30	13.00
MAA01			80	12.46	86.1	0.74	3.70	14.80
MAA01			100	10.64	90.8	1.16	3.00	16.80
MAA01			125	2.34	89.3	1.76	1.80	18.80
MAA01			160	-4.04	90.6	2.64	0.00	21.10
MAA01			200	-8.09	91.9	3.79	0.00	22.80
MAA03	4 364	4 367						
MAA03			20	28.60	63.9	0.00	5.60	7.60
MAA03			25	25.71	67.8	0.09	5.40	8.30
MAA03			32	24.77	73.3	0.13	5.20	9.20
MAA03			40	22.18	76.9	0.22	5.00	10.30
MAA03			50	21.29	82.0	0.31	4.70	11.50
MAA03			63	16.52	83.3	0.48	4.30	13.00
MAA03			80	13.00	86.1	0.70	3.70	14.80
MAA03			100	11.20	90.8	1.09	3.00	16.80
MAA03			125	2.94	89.3	1.66	1.80	18.80
MAA03			160	-3.39	90.6	2.49	0.00	21.10
MAA03			200	-7.38	91.9	3.58	0.00	22.80
MAA04	5 388	5 390						
MAA04			20	26.77	63.9	0.00	5.60	7.60
MAA04			25	23.86	67.8	0.11	5.40	8.30
MAA04			32	22.91	73.3	0.16	5.20	9.20
MAA04			40	20.30	76.9	0.27	5.00	10.30
MAA04			50	19.39	82.0	0.38	4.70	11.50
MAA04			63	14.57	83.3	0.59	4.30	13.00
MAA04			80	11.01	86.1	0.86	3.70	14.80
MAA04			100	9.12	90.8	1.35	3.00	16.80
MAA04			125	0.72	89.3	2.05	1.80	18.80
MAA04			160	-5.80	90.6	3.07	0.00	21.10
MAA04			200	-10.05	91.9	4.42	0.00	22.80
MAA05	4 349	4 352						
MAA05			20	28.63	63.9	0.00	5.60	7.60
MAA05			25	25.74	67.8	0.09	5.40	8.30
MAA05			32	24.80	73.3	0.13	5.20	9.20
MAA05			40	22.21	76.9	0.22	5.00	10.30
MAA05			50	21.32	82.0	0.30	4.70	11.50
MAA05			63	16.55	83.3	0.48	4.30	13.00
MAA05			80	13.03	86.1	0.70	3.70	14.80
MAA05			100	11.24	90.8	1.09	3.00	16.80
MAA05			125	2.97	89.3	1.65	1.80	18.80
MAA05			160	-3.35	90.6	2.48	0.00	21.10
MAA05			200	-7.34	91.9	3.57	0.00	22.80
MAA06	4 876	4 879						
MAA06			20	27.63	63.9	0.00	5.60	7.60
MAA06			25	24.74	67.8	0.10	5.40	8.30
MAA06			32	23.79	73.3	0.15	5.20	9.20
MAA06			40	21.19	76.9	0.24	5.00	10.30
MAA06			50	20.29	82.0	0.34	4.70	11.50
MAA06			63	15.50	83.3	0.54	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA06			80	11.95	86.1	0.78	3.70	14.80
MAA06			100	10.11	90.8	1.22	3.00	16.80
MAA06			125	1.78	89.3	1.85	1.80	18.80
MAA06			160	-4.65	90.6	2.78	0.00	21.10
MAA06			200	-8.77	91.9	4.00	0.00	22.80
MAA07	5 497	5 500						
MAA07			20	26.59	63.9	0.00	5.60	7.60
MAA07			25	23.68	67.8	0.11	5.40	8.30
MAA07			32	22.73	73.3	0.16	5.20	9.20
MAA07			40	20.12	76.9	0.27	5.00	10.30
MAA07			50	19.21	82.0	0.38	4.70	11.50
MAA07			63	14.39	83.3	0.60	4.30	13.00
MAA07			80	10.81	86.1	0.88	3.70	14.80
MAA07			100	8.92	90.8	1.37	3.00	16.80
MAA07			125	0.50	89.3	2.09	1.80	18.80
MAA07			160	-6.04	90.6	3.13	0.00	21.10
MAA07			200	-10.32	91.9	4.51	0.00	22.80
MAA08	6 006	6 008						
MAA08			20	25.83	63.9	0.00	5.60	7.60
MAA08			25	22.91	67.8	0.12	5.40	8.30
MAA08			32	21.95	73.3	0.18	5.20	9.20
MAA08			40	19.33	76.9	0.30	5.00	10.30
MAA08			50	18.40	82.0	0.42	4.70	11.50
MAA08			63	13.56	83.3	0.66	4.30	13.00
MAA08			80	9.96	86.1	0.96	3.70	14.80
MAA08			100	8.02	90.8	1.50	3.00	16.80
MAA08			125	-0.46	89.3	2.28	1.80	18.80
MAA08			160	-7.10	90.6	3.42	0.00	21.10
MAA08			200	-11.50	91.9	4.93	0.00	22.80
RAH01	3 481	3 485						
RAH01			20	28.70	62.0	0.00	5.60	7.60
RAH01			25	27.13	67.2	0.07	5.40	8.30
RAH01			32	25.50	72.0	0.10	5.20	9.20
RAH01			40	24.10	76.8	0.17	5.00	10.30
RAH01			50	22.54	81.2	0.24	4.70	11.50
RAH01			63	20.30	85.0	0.38	4.30	13.00
RAH01			80	17.32	88.3	0.56	3.70	14.80
RAH01			100	13.68	91.1	0.87	3.00	16.80
RAH01			125	9.23	93.3	1.32	1.80	18.80
RAH01			160	3.44	95.0	1.99	0.00	21.10
RAH01			200	-0.50	96.1	2.86	0.00	22.80
RAH02	3 012	3 017						
RAH02			20	29.96	62.0	0.00	5.60	7.60
RAH02			25	28.40	67.2	0.06	5.40	8.30
RAH02			32	26.77	72.0	0.09	5.20	9.20
RAH02			40	25.38	76.8	0.15	5.00	10.30
RAH02			50	23.82	81.2	0.21	4.70	11.50
RAH02			63	21.60	85.0	0.33	4.30	13.00
RAH02			80	18.65	88.3	0.48	3.70	14.80
RAH02			100	15.06	91.1	0.75	3.00	16.80
RAH02			125	10.66	93.3	1.15	1.80	18.80
RAH02			160	4.97	95.0	1.72	0.00	21.10
RAH02			200	1.14	96.1	2.47	0.00	22.80
RAH03	3 805	3 809						
RAH03			20	27.93	62.0	0.00	5.60	7.60
RAH03			25	26.36	67.2	0.08	5.40	8.30
RAH03			32	24.72	72.0	0.11	5.20	9.20
RAH03			40	23.32	76.8	0.19	5.00	10.30
RAH03			50	21.74	81.2	0.27	4.70	11.50
RAH03			63	19.49	85.0	0.42	4.30	13.00
RAH03			80	16.50	88.3	0.61	3.70	14.80
RAH03			100	12.83	91.1	0.95	3.00	16.80
RAH03			125	8.34	93.3	1.45	1.80	18.80
RAH03			160	2.49	95.0	2.17	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH03			200	-1.54	96.1	3.12	0.00	22.80
RAH04	2 908	2 913						
RAH04			20	30.26	62.0	0.00	5.60	7.60
RAH04			25	28.70	67.2	0.06	5.40	8.30
RAH04			32	27.07	72.0	0.09	5.20	9.20
RAH04			40	25.69	76.8	0.15	5.00	10.30
RAH04			50	24.13	81.2	0.20	4.70	11.50
RAH04			63	21.92	85.0	0.32	4.30	13.00
RAH04			80	18.97	88.3	0.47	3.70	14.80
RAH04			100	15.38	91.1	0.73	3.00	16.80
RAH04			125	11.01	93.3	1.11	1.80	18.80
RAH04			160	5.33	95.0	1.66	0.00	21.10
RAH04			200	1.52	96.1	2.39	0.00	22.80
RAH05	3 713	3 717						
RAH05			20	28.14	62.0	0.00	5.60	7.60
RAH05			25	26.57	67.2	0.07	5.40	8.30
RAH05			32	24.93	72.0	0.11	5.20	9.20
RAH05			40	23.53	76.8	0.19	5.00	10.30
RAH05			50	21.96	81.2	0.26	4.70	11.50
RAH05			63	19.71	85.0	0.41	4.30	13.00
RAH05			80	16.73	88.3	0.59	3.70	14.80
RAH05			100	13.07	91.1	0.93	3.00	16.80
RAH05			125	8.58	93.3	1.41	1.80	18.80
RAH05			160	2.75	95.0	2.12	0.00	21.10
RAH05			200	-1.25	96.1	3.05	0.00	22.80
RAH06	3 632	3 636						
RAH06			20	28.34	62.0	0.00	5.60	7.60
RAH06			25	26.76	67.2	0.07	5.40	8.30
RAH06			32	25.13	72.0	0.11	5.20	9.20
RAH06			40	23.73	76.8	0.18	5.00	10.30
RAH06			50	22.16	81.2	0.25	4.70	11.50
RAH06			63	19.91	85.0	0.40	4.30	13.00
RAH06			80	16.93	88.3	0.58	3.70	14.80
RAH06			100	13.28	91.1	0.91	3.00	16.80
RAH06			125	8.81	93.3	1.38	1.80	18.80
RAH06			160	2.99	95.0	2.07	0.00	21.10
RAH06			200	-0.99	96.1	2.98	0.00	22.80
RAH07	2 930	2 935						
RAH07			20	30.20	62.0	0.00	5.60	7.60
RAH07			25	28.64	67.2	0.06	5.40	8.30
RAH07			32	27.01	72.0	0.09	5.20	9.20
RAH07			40	25.62	76.8	0.15	5.00	10.30
RAH07			50	24.07	81.2	0.21	4.70	11.50
RAH07			63	21.85	85.0	0.32	4.30	13.00
RAH07			80	18.90	88.3	0.47	3.70	14.80
RAH07			100	15.31	91.1	0.73	3.00	16.80
RAH07			125	10.93	93.3	1.12	1.80	18.80
RAH07			160	5.25	95.0	1.67	0.00	21.10
RAH07			200	1.44	96.1	2.41	0.00	22.80
RAH08	2 241	2 248						
RAH08			20	32.51	62.0	0.00	5.60	7.60
RAH08			25	30.97	67.2	0.04	5.40	8.30
RAH08			32	29.35	72.0	0.07	5.20	9.20
RAH08			40	27.98	76.8	0.11	5.00	10.30
RAH08			50	26.43	81.2	0.16	4.70	11.50
RAH08			63	24.24	85.0	0.25	4.30	13.00
RAH08			80	21.33	88.3	0.36	3.70	14.80
RAH08			100	17.80	91.1	0.56	3.00	16.80
RAH08			125	13.51	93.3	0.85	1.80	18.80
RAH08			160	7.96	95.0	1.28	0.00	21.10
RAH08			200	4.32	96.1	1.84	0.00	22.80
RAH09	2 913	2 918						
RAH09			20	30.25	62.0	0.00	5.60	7.60
RAH09			25	28.69	67.2	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			32	27.06	72.0	0.09	5.20	9.20
RAH09			40	25.68	76.8	0.15	5.00	10.30
RAH09			50	24.12	81.2	0.20	4.70	11.50
RAH09			63	21.90	85.0	0.32	4.30	13.00
RAH09			80	18.95	88.3	0.47	3.70	14.80
RAH09			100	15.37	91.1	0.73	3.00	16.80
RAH09			125	10.99	93.3	1.11	1.80	18.80
RAH09			160	5.31	95.0	1.66	0.00	21.10
RAH09			200	1.50	96.1	2.39	0.00	22.80
RAH10	2 193	2 199						
RAH10			20	32.70	62.0	0.00	5.60	7.60
RAH10			25	31.16	67.2	0.04	5.40	8.30
RAH10			32	29.54	72.0	0.07	5.20	9.20
RAH10			40	28.17	76.8	0.11	5.00	10.30
RAH10			50	26.62	81.2	0.15	4.70	11.50
RAH10			63	24.44	85.0	0.24	4.30	13.00
RAH10			80	21.53	88.3	0.35	3.70	14.80
RAH10			100	18.00	91.1	0.55	3.00	16.80
RAH10			125	13.72	93.3	0.84	1.80	18.80
RAH10			160	8.18	95.0	1.25	0.00	21.10
RAH10			200	4.55	96.1	1.80	0.00	22.80
RAH11	4 395	4 399						
RAH11			20	26.68	62.0	0.00	5.60	7.60
RAH11			25	25.09	67.2	0.09	5.40	8.30
RAH11			32	23.45	72.0	0.13	5.20	9.20
RAH11			40	22.04	76.8	0.22	5.00	10.30
RAH11			50	20.45	81.2	0.31	4.70	11.50
RAH11			63	18.17	85.0	0.48	4.30	13.00
RAH11			80	15.15	88.3	0.70	3.70	14.80
RAH11			100	11.43	91.1	1.10	3.00	16.80
RAH11			125	6.86	93.3	1.67	1.80	18.80
RAH11			160	0.90	95.0	2.51	0.00	21.10
RAH11			200	-3.27	96.1	3.61	0.00	22.80
RAH12	4 241	4 244						
RAH12			20	26.99	62.0	0.00	5.60	7.60
RAH12			25	25.41	67.2	0.08	5.40	8.30
RAH12			32	23.76	72.0	0.13	5.20	9.20
RAH12			40	22.36	76.8	0.21	5.00	10.30
RAH12			50	20.77	81.2	0.30	4.70	11.50
RAH12			63	18.50	85.0	0.47	4.30	13.00
RAH12			80	15.49	88.3	0.68	3.70	14.80
RAH12			100	11.78	91.1	1.06	3.00	16.80
RAH12			125	7.23	93.3	1.61	1.80	18.80
RAH12			160	1.30	95.0	2.42	0.00	21.10
RAH12			200	-2.84	96.1	3.48	0.00	22.80
RAH13	5 134	5 137						
RAH13			20	25.33	62.0	0.00	5.60	7.60
RAH13			25	23.73	67.2	0.10	5.40	8.30
RAH13			32	22.08	72.0	0.15	5.20	9.20
RAH13			40	20.65	76.8	0.26	5.00	10.30
RAH13			50	19.05	81.2	0.36	4.70	11.50
RAH13			63	16.75	85.0	0.57	4.30	13.00
RAH13			80	13.69	88.3	0.82	3.70	14.80
RAH13			100	9.90	91.1	1.28	3.00	16.80
RAH13			125	5.23	93.3	1.95	1.80	18.80
RAH13			160	-0.87	95.0	2.93	0.00	21.10
RAH13			200	-5.23	96.1	4.21	0.00	22.80
RAH14	5 270	5 272						
RAH14			20	25.11	62.0	0.00	5.60	7.60
RAH14			25	23.50	67.2	0.11	5.40	8.30
RAH14			32	21.85	72.0	0.16	5.20	9.20
RAH14			40	20.42	76.8	0.26	5.00	10.30
RAH14			50	18.81	81.2	0.37	4.70	11.50
RAH14			63	16.50	85.0	0.58	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH14			80	13.44	88.3	0.84	3.70	14.80
RAH14			100	9.64	91.1	1.32	3.00	16.80
RAH14			125	4.96	93.3	2.00	1.80	18.80
RAH14			160	-1.17	95.0	3.01	0.00	21.10
RAH14			200	-5.56	96.1	4.32	0.00	22.80
RAH15	6 226	6 229						
RAH15			20	23.66	62.0	0.00	5.60	7.60
RAH15			25	22.04	67.2	0.12	5.40	8.30
RAH15			32	20.37	72.0	0.19	5.20	9.20
RAH15			40	18.92	76.8	0.31	5.00	10.30
RAH15			50	17.30	81.2	0.44	4.70	11.50
RAH15			63	14.95	85.0	0.69	4.30	13.00
RAH15			80	11.84	88.3	1.00	3.70	14.80
RAH15			100	7.95	91.1	1.56	3.00	16.80
RAH15			125	3.14	93.3	2.37	1.80	18.80
RAH15			160	-3.16	95.0	3.55	0.00	21.10
RAH15			200	-7.80	96.1	5.11	0.00	22.80
RAH16	5 686	5 689						
RAH16			20	24.45	62.0	0.00	5.60	7.60
RAH16			25	22.83	67.2	0.11	5.40	8.30
RAH16			32	21.18	72.0	0.17	5.20	9.20
RAH16			40	19.74	76.8	0.28	5.00	10.30
RAH16			50	18.13	81.2	0.40	4.70	11.50
RAH16			63	15.80	85.0	0.63	4.30	13.00
RAH16			80	12.71	88.3	0.91	3.70	14.80
RAH16			100	8.88	91.1	1.42	3.00	16.80
RAH16			125	4.14	93.3	2.16	1.80	18.80
RAH16			160	-2.07	95.0	3.24	0.00	21.10
RAH16			200	-6.56	96.1	4.66	0.00	22.80
RAH17	6 963	6 965						
RAH17			20	22.69	62.0	0.00	5.60	7.60
RAH17			25	21.05	67.2	0.14	5.40	8.30
RAH17			32	19.38	72.0	0.21	5.20	9.20
RAH17			40	17.92	76.8	0.35	5.00	10.30
RAH17			50	16.28	81.2	0.49	4.70	11.50
RAH17			63	13.90	85.0	0.77	4.30	13.00
RAH17			80	10.75	88.3	1.11	3.70	14.80
RAH17			100	6.80	91.1	1.74	3.00	16.80
RAH17			125	1.89	93.3	2.65	1.80	18.80
RAH17			160	-4.55	95.0	3.97	0.00	21.10
RAH17			200	-9.37	96.1	5.71	0.00	22.80
RAH18	6 859	6 862						
RAH18			20	22.82	62.0	0.00	5.60	7.60
RAH18			25	21.18	67.2	0.14	5.40	8.30
RAH18			32	19.51	72.0	0.21	5.20	9.20
RAH18			40	18.05	76.8	0.34	5.00	10.30
RAH18			50	16.42	81.2	0.48	4.70	11.50
RAH18			63	14.04	85.0	0.75	4.30	13.00
RAH18			80	10.90	88.3	1.10	3.70	14.80
RAH18			100	6.96	91.1	1.72	3.00	16.80
RAH18			125	2.06	93.3	2.61	1.80	18.80
RAH18			160	-4.36	95.0	3.91	0.00	21.10
RAH18			200	-9.16	96.1	5.63	0.00	22.80
RAH19	7 768	7 770						
RAH19			20	21.74	62.0	0.00	5.60	7.60
RAH19			25	20.08	67.2	0.16	5.40	8.30
RAH19			32	18.41	72.0	0.23	5.20	9.20
RAH19			40	16.93	76.8	0.39	5.00	10.30
RAH19			50	15.27	81.2	0.54	4.70	11.50
RAH19			63	12.86	85.0	0.85	4.30	13.00
RAH19			80	9.67	88.3	1.24	3.70	14.80
RAH19			100	5.65	91.1	1.94	3.00	16.80
RAH19			125	0.64	93.3	2.95	1.80	18.80
RAH19			160	-5.96	95.0	4.43	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH19			200	-10.98	96.1	6.37	0.00	22.80
SIL01	11 834	11 835						
SIL01			20	19.36	63.3	0.00	5.60	7.60
SIL01			25	17.52	68.4	0.24	5.40	8.30
SIL01			32	11.51	68.9	0.36	5.20	9.20
SIL01			40	8.37	72.1	0.59	5.00	10.30
SIL01			50	6.93	76.8	0.83	4.70	11.50
SIL01			63	3.54	79.8	1.30	4.30	13.00
SIL01			80	-0.35	82.6	1.89	3.70	14.80
SIL01			100	-4.09	86.0	2.96	3.00	16.80
SIL01			125	-8.57	89.3	4.50	1.80	18.80
SIL01			160	-18.73	88.2	6.75	0.00	21.10
SIL01			200	-24.08	90.0	9.71	0.00	22.80
SIL02	11 792	11 793						
SIL02			20	19.39	63.3	0.00	5.60	7.60
SIL02			25	17.55	68.4	0.24	5.40	8.30
SIL02			32	11.54	68.9	0.35	5.20	9.20
SIL02			40	8.40	72.1	0.59	5.00	10.30
SIL02			50	6.97	76.8	0.83	4.70	11.50
SIL02			63	3.58	79.8	1.30	4.30	13.00
SIL02			80	-0.31	82.6	1.89	3.70	14.80
SIL02			100	-4.05	86.0	2.95	3.00	16.80
SIL02			125	-8.53	89.3	4.48	1.80	18.80
SIL02			160	-18.67	88.2	6.72	0.00	21.10
SIL02			200	-24.01	90.0	9.67	0.00	22.80
SIL03	11 540	11 542						
SIL03			20	19.58	63.3	0.00	5.60	7.60
SIL03			25	17.74	68.4	0.23	5.40	8.30
SIL03			32	11.74	68.9	0.35	5.20	9.20
SIL03			40	8.60	72.1	0.58	5.00	10.30
SIL03			50	7.17	76.8	0.81	4.70	11.50
SIL03			63	3.79	79.8	1.27	4.30	13.00
SIL03			80	-0.08	82.6	1.85	3.70	14.80
SIL03			100	-3.80	86.0	2.89	3.00	16.80
SIL03			125	-8.24	89.3	4.39	1.80	18.80
SIL03			160	-18.34	88.2	6.58	0.00	21.10
SIL03			200	-23.62	90.0	9.46	0.00	22.80
SIL04	11 181	11 183						
SIL04			20	19.85	63.3	0.00	5.60	7.60
SIL04			25	18.02	68.4	0.22	5.40	8.30
SIL04			32	12.02	68.9	0.34	5.20	9.20
SIL04			40	8.89	72.1	0.56	5.00	10.30
SIL04			50	7.47	76.8	0.78	4.70	11.50
SIL04			63	4.10	79.8	1.23	4.30	13.00
SIL04			80	0.25	82.6	1.79	3.70	14.80
SIL04			100	-3.44	86.0	2.80	3.00	16.80
SIL04			125	-7.83	89.3	4.25	1.80	18.80
SIL04			160	-17.86	88.2	6.37	0.00	21.10
SIL04			200	-23.05	90.0	9.17	0.00	22.80
SIL05	11 278	11 279						
SIL05			20	19.78	63.3	0.00	5.60	7.60
SIL05			25	17.95	68.4	0.23	5.40	8.30
SIL05			32	11.95	68.9	0.34	5.20	9.20
SIL05			40	8.81	72.1	0.56	5.00	10.30
SIL05			50	7.39	76.8	0.79	4.70	11.50
SIL05			63	4.02	79.8	1.24	4.30	13.00
SIL05			80	0.16	82.6	1.80	3.70	14.80
SIL05			100	-3.54	86.0	2.82	3.00	16.80
SIL05			125	-7.94	89.3	4.29	1.80	18.80
SIL05			160	-17.99	88.2	6.43	0.00	21.10
SIL05			200	-23.21	90.0	9.25	0.00	22.80
SIL06	11 273	11 274						
SIL06			20	19.78	63.3	0.00	5.60	7.60
SIL06			25	17.95	68.4	0.23	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			32	11.95	68.9	0.34	5.20	9.20
SIL06			40	8.82	72.1	0.56	5.00	10.30
SIL06			50	7.39	76.8	0.79	4.70	11.50
SIL06			63	4.02	79.8	1.24	4.30	13.00
SIL06			80	0.17	82.6	1.80	3.70	14.80
SIL06			100	-3.53	86.0	2.82	3.00	16.80
SIL06			125	-7.94	89.3	4.28	1.80	18.80
SIL06			160	-17.99	88.2	6.43	0.00	21.10
SIL06			200	-23.20	90.0	9.24	0.00	22.80
SIL07	10 718	10 720						
SIL07			20	20.22	63.3	0.00	5.60	7.60
SIL07			25	18.40	68.4	0.21	5.40	8.30
SIL07			32	12.40	68.9	0.32	5.20	9.20
SIL07			40	9.28	72.1	0.54	5.00	10.30
SIL07			50	7.87	76.8	0.75	4.70	11.50
SIL07			63	4.52	79.8	1.18	4.30	13.00
SIL07			80	0.69	82.6	1.72	3.70	14.80
SIL07			100	-2.95	86.0	2.68	3.00	16.80
SIL07			125	-7.29	89.3	4.07	1.80	18.80
SIL07			160	-17.23	88.2	6.11	0.00	21.10
SIL07			200	-22.31	90.0	8.79	0.00	22.80
SIL08	10 662	10 663						
SIL08			20	20.27	63.3	0.00	5.60	7.60
SIL08			25	18.45	68.4	0.21	5.40	8.30
SIL08			32	12.45	68.9	0.32	5.20	9.20
SIL08			40	9.33	72.1	0.53	5.00	10.30
SIL08			50	7.92	76.8	0.75	4.70	11.50
SIL08			63	4.58	79.8	1.17	4.30	13.00
SIL08			80	0.75	82.6	1.71	3.70	14.80
SIL08			100	-2.89	86.0	2.67	3.00	16.80
SIL08			125	-7.22	89.3	4.05	1.80	18.80
SIL08			160	-17.15	88.2	6.08	0.00	21.10
SIL08			200	-22.21	90.0	8.74	0.00	22.80
Sum								
Sum			20	43.11				
Sum			25	41.14				
Sum			32	39.58				
Sum			40	37.84				
Sum			50	36.43				
Sum			63	33.62				
Sum			80	30.54				
Sum			100	27.18				
Sum			125	22.21				
Sum			160	16.37				
Sum			200	12.46				

Noise sensitive area: C Noise sensitive point: Finnish normal frequency - User defined (5)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	10 524	10 527						
KAR01			20	20.95	63.9	0.00	5.60	7.60
KAR01			25	17.94	67.8	0.21	5.40	8.30
KAR01			32	16.94	73.3	0.32	5.20	9.20
KAR01			40	14.23	76.9	0.53	5.00	10.30
KAR01			50	13.22	82.0	0.74	4.70	11.50
KAR01			63	8.20	83.3	1.16	4.30	13.00
KAR01			80	4.37	86.1	1.68	3.70	14.80
KAR01			100	2.02	90.8	2.63	3.00	16.80
KAR01			125	-7.05	89.3	4.00	1.80	18.80
KAR01			160	-14.55	90.6	6.00	0.00	21.10
KAR01			200	-20.08	91.9	8.63	0.00	22.80
KAR02	10 331	10 333						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR02			20	21.12	63.9	0.00	5.60	7.60
KAR02			25	18.11	67.8	0.21	5.40	8.30
KAR02			32	17.11	73.3	0.31	5.20	9.20
KAR02			40	14.40	76.9	0.52	5.00	10.30
KAR02			50	13.39	82.0	0.72	4.70	11.50
KAR02			63	8.38	83.3	1.14	4.30	13.00
KAR02			80	4.56	86.1	1.65	3.70	14.80
KAR02			100	2.23	90.8	2.58	3.00	16.80
KAR02			125	-6.81	89.3	3.93	1.80	18.80
KAR02			160	-14.27	90.6	5.89	0.00	21.10
KAR02			200	-19.76	91.9	8.47	0.00	22.80
KAR03	10 753	10 755						
KAR03			20	20.77	63.9	0.00	5.60	7.60
KAR03			25	17.75	67.8	0.22	5.40	8.30
KAR03			32	16.74	73.3	0.32	5.20	9.20
KAR03			40	14.03	76.9	0.54	5.00	10.30
KAR03			50	13.01	82.0	0.75	4.70	11.50
KAR03			63	7.98	83.3	1.18	4.30	13.00
KAR03			80	4.15	86.1	1.72	3.70	14.80
KAR03			100	1.78	90.8	2.69	3.00	16.80
KAR03			125	-7.32	89.3	4.09	1.80	18.80
KAR03			160	-14.86	90.6	6.13	0.00	21.10
KAR03			200	-20.45	91.9	8.82	0.00	22.80
KAR04	11 328	11 330						
KAR04			20	20.32	63.9	0.00	5.60	7.60
KAR04			25	17.29	67.8	0.23	5.40	8.30
KAR04			32	16.28	73.3	0.34	5.20	9.20
KAR04			40	13.55	76.9	0.57	5.00	10.30
KAR04			50	12.52	82.0	0.79	4.70	11.50
KAR04			63	7.47	83.3	1.25	4.30	13.00
KAR04			80	3.60	86.1	1.81	3.70	14.80
KAR04			100	1.18	90.8	2.83	3.00	16.80
KAR04			125	-7.99	89.3	4.31	1.80	18.80
KAR04			160	-15.64	90.6	6.46	0.00	21.10
KAR04			200	-21.38	91.9	9.29	0.00	22.80
KAR05	11 877	11 879						
KAR05			20	19.90	63.9	0.00	5.60	7.60
KAR05			25	16.87	67.8	0.24	5.40	8.30
KAR05			32	15.85	73.3	0.36	5.20	9.20
KAR05			40	13.11	76.9	0.59	5.00	10.30
KAR05			50	12.07	82.0	0.83	4.70	11.50
KAR05			63	7.00	83.3	1.31	4.30	13.00
KAR05			80	3.10	86.1	1.90	3.70	14.80
KAR05			100	0.63	90.8	2.97	3.00	16.80
KAR05			125	-8.61	89.3	4.51	1.80	18.80
KAR05			160	-16.37	90.6	6.77	0.00	21.10
KAR05			200	-22.24	91.9	9.74	0.00	22.80
KAR06	11 254	11 256						
KAR06			20	20.37	63.9	0.00	5.60	7.60
KAR06			25	17.35	67.8	0.23	5.40	8.30
KAR06			32	16.33	73.3	0.34	5.20	9.20
KAR06			40	13.61	76.9	0.56	5.00	10.30
KAR06			50	12.58	82.0	0.79	4.70	11.50
KAR06			63	7.53	83.3	1.24	4.30	13.00
KAR06			80	3.67	86.1	1.80	3.70	14.80
KAR06			100	1.26	90.8	2.81	3.00	16.80
KAR06			125	-7.91	89.3	4.28	1.80	18.80
KAR06			160	-15.54	90.6	6.42	0.00	21.10
KAR06			200	-21.26	91.9	9.23	0.00	22.80
KAR07	10 983	10 985						
KAR07			20	20.58	63.9	0.00	5.60	7.60
KAR07			25	17.56	67.8	0.22	5.40	8.30
KAR07			32	16.55	73.3	0.33	5.20	9.20
KAR07			40	13.83	76.9	0.55	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			50	12.82	82.0	0.77	4.70	11.50
KAR07			63	7.78	83.3	1.21	4.30	13.00
KAR07			80	3.93	86.1	1.76	3.70	14.80
KAR07			100	1.54	90.8	2.75	3.00	16.80
KAR07			125	-7.59	89.3	4.17	1.80	18.80
KAR07			160	-15.18	90.6	6.26	0.00	21.10
KAR07			200	-20.82	91.9	9.01	0.00	22.80
KAR08	10 820	10 821						
KAR08			20	20.71	63.9	0.00	5.60	7.60
KAR08			25	17.70	67.8	0.22	5.40	8.30
KAR08			32	16.69	73.3	0.32	5.20	9.20
KAR08			40	13.97	76.9	0.54	5.00	10.30
KAR08			50	12.96	82.0	0.76	4.70	11.50
KAR08			63	7.92	83.3	1.19	4.30	13.00
KAR08			80	4.08	86.1	1.73	3.70	14.80
KAR08			100	1.71	90.8	2.71	3.00	16.80
KAR08			125	-7.40	89.3	4.11	1.80	18.80
KAR08			160	-14.95	90.6	6.17	0.00	21.10
KAR08			200	-20.56	91.9	8.87	0.00	22.80
KAR09	12 356	12 358						
KAR09			20	19.56	63.9	0.00	5.60	7.60
KAR09			25	16.51	67.8	0.25	5.40	8.30
KAR09			32	15.49	73.3	0.37	5.20	9.20
KAR09			40	12.74	76.9	0.62	5.00	10.30
KAR09			50	11.70	82.0	0.87	4.70	11.50
KAR09			63	6.60	83.3	1.36	4.30	13.00
KAR09			80	2.68	86.1	1.98	3.70	14.80
KAR09			100	0.17	90.8	3.09	3.00	16.80
KAR09			125	-9.14	89.3	4.70	1.80	18.80
KAR09			160	-16.98	90.6	7.04	0.00	21.10
KAR09			200	-22.97	91.9	10.13	0.00	22.80
KAR10	12 018	12 020						
KAR10			20	19.80	63.9	0.00	5.60	7.60
KAR10			25	16.76	67.8	0.24	5.40	8.30
KAR10			32	15.74	73.3	0.36	5.20	9.20
KAR10			40	13.00	76.9	0.60	5.00	10.30
KAR10			50	11.96	82.0	0.84	4.70	11.50
KAR10			63	6.88	83.3	1.32	4.30	13.00
KAR10			80	2.98	86.1	1.92	3.70	14.80
KAR10			100	0.50	90.8	3.00	3.00	16.80
KAR10			125	-8.77	89.3	4.57	1.80	18.80
KAR10			160	-16.55	90.6	6.85	0.00	21.10
KAR10			200	-22.45	91.9	9.86	0.00	22.80
KAR11	11 687	11 688						
KAR11			20	20.04	63.9	0.00	5.60	7.60
KAR11			25	17.01	67.8	0.23	5.40	8.30
KAR11			32	15.99	73.3	0.35	5.20	9.20
KAR11			40	13.26	76.9	0.58	5.00	10.30
KAR11			50	12.23	82.0	0.82	4.70	11.50
KAR11			63	7.16	83.3	1.29	4.30	13.00
KAR11			80	3.27	86.1	1.87	3.70	14.80
KAR11			100	0.82	90.8	2.92	3.00	16.80
KAR11			125	-8.40	89.3	4.44	1.80	18.80
KAR11			160	-16.12	90.6	6.66	0.00	21.10
KAR11			200	-21.94	91.9	9.58	0.00	22.80
KAR12	12 486	12 487						
KAR12			20	19.47	63.9	0.00	5.60	7.60
KAR12			25	16.42	67.8	0.25	5.40	8.30
KAR12			32	15.40	73.3	0.37	5.20	9.20
KAR12			40	12.65	76.9	0.62	5.00	10.30
KAR12			50	11.60	82.0	0.87	4.70	11.50
KAR12			63	6.50	83.3	1.37	4.30	13.00
KAR12			80	2.57	86.1	2.00	3.70	14.80
KAR12			100	0.05	90.8	3.12	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR12			125	-9.27	89.3	4.75	1.80	18.80
KAR12			160	-17.15	90.6	7.12	0.00	21.10
KAR12			200	-23.17	91.9	10.24	0.00	22.80
KAR13	11 979	11 981						
KAR13			20	19.83	63.9	0.00	5.60	7.60
KAR13			25	16.79	67.8	0.24	5.40	8.30
KAR13			32	15.77	73.3	0.36	5.20	9.20
KAR13			40	13.03	76.9	0.60	5.00	10.30
KAR13			50	11.99	82.0	0.84	4.70	11.50
KAR13			63	6.91	83.3	1.32	4.30	13.00
KAR13			80	3.01	86.1	1.92	3.70	14.80
KAR13			100	0.54	90.8	3.00	3.00	16.80
KAR13			125	-8.72	89.3	4.55	1.80	18.80
KAR13			160	-16.50	90.6	6.83	0.00	21.10
KAR13			200	-22.39	91.9	9.82	0.00	22.80
KAR14	12 925	12 926						
KAR14			20	19.17	63.9	0.00	5.60	7.60
KAR14			25	16.11	67.8	0.26	5.40	8.30
KAR14			32	15.08	73.3	0.39	5.20	9.20
KAR14			40	12.32	76.9	0.65	5.00	10.30
KAR14			50	11.27	82.0	0.90	4.70	11.50
KAR14			63	6.15	83.3	1.42	4.30	13.00
KAR14			80	2.20	86.1	2.07	3.70	14.80
KAR14			100	-0.36	90.8	3.23	3.00	16.80
KAR14			125	-9.74	89.3	4.91	1.80	18.80
KAR14			160	-17.70	90.6	7.37	0.00	21.10
KAR14			200	-23.83	91.9	10.60	0.00	22.80
KAR15	11 814	11 815						
KAR15			20	19.95	63.9	0.00	5.60	7.60
KAR15			25	16.91	67.8	0.24	5.40	8.30
KAR15			32	15.90	73.3	0.35	5.20	9.20
KAR15			40	13.16	76.9	0.59	5.00	10.30
KAR15			50	12.12	82.0	0.83	4.70	11.50
KAR15			63	7.05	83.3	1.30	4.30	13.00
KAR15			80	3.16	86.1	1.89	3.70	14.80
KAR15			100	0.70	90.8	2.95	3.00	16.80
KAR15			125	-8.54	89.3	4.49	1.80	18.80
KAR15			160	-16.28	90.6	6.73	0.00	21.10
KAR15			200	-22.14	91.9	9.69	0.00	22.80
KAR16	13 152	13 154						
KAR16			20	19.02	63.9	0.00	5.60	7.60
KAR16			25	15.96	67.8	0.26	5.40	8.30
KAR16			32	14.92	73.3	0.39	5.20	9.20
KAR16			40	12.16	76.9	0.66	5.00	10.30
KAR16			50	11.10	82.0	0.92	4.70	11.50
KAR16			63	5.97	83.3	1.45	4.30	13.00
KAR16			80	2.01	86.1	2.10	3.70	14.80
KAR16			100	-0.57	90.8	3.29	3.00	16.80
KAR16			125	-9.98	89.3	5.00	1.80	18.80
KAR16			160	-17.98	90.6	7.50	0.00	21.10
KAR16			200	-24.17	91.9	10.79	0.00	22.80
KAR17	12 956	12 957						
KAR17			20	19.15	63.9	0.00	5.60	7.60
KAR17			25	16.09	67.8	0.26	5.40	8.30
KAR17			32	15.06	73.3	0.39	5.20	9.20
KAR17			40	12.30	76.9	0.65	5.00	10.30
KAR17			50	11.24	82.0	0.91	4.70	11.50
KAR17			63	6.12	83.3	1.43	4.30	13.00
KAR17			80	2.18	86.1	2.07	3.70	14.80
KAR17			100	-0.39	90.8	3.24	3.00	16.80
KAR17			125	-9.77	89.3	4.92	1.80	18.80
KAR17			160	-17.74	90.6	7.39	0.00	21.10
KAR17			200	-23.88	91.9	10.63	0.00	22.80
KAR18	13 648	13 650						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR18			20	18.70	63.9	0.00	5.60	7.60
KAR18			25	15.62	67.8	0.27	5.40	8.30
KAR18			32	14.59	73.3	0.41	5.20	9.20
KAR18			40	11.81	76.9	0.68	5.00	10.30
KAR18			50	10.74	82.0	0.96	4.70	11.50
KAR18			63	5.60	83.3	1.50	4.30	13.00
KAR18			80	1.61	86.1	2.18	3.70	14.80
KAR18			100	-1.02	90.8	3.41	3.00	16.80
KAR18			125	-10.49	89.3	5.19	1.80	18.80
KAR18			160	-18.58	90.6	7.78	0.00	21.10
KAR18			200	-24.90	91.9	11.19	0.00	22.80
KAR19	12 458	12 460						
KAR19			20	19.49	63.9	0.00	5.60	7.60
KAR19			25	16.44	67.8	0.25	5.40	8.30
KAR19			32	15.42	73.3	0.37	5.20	9.20
KAR19			40	12.67	76.9	0.62	5.00	10.30
KAR19			50	11.62	82.0	0.87	4.70	11.50
KAR19			63	6.52	83.3	1.37	4.30	13.00
KAR19			80	2.60	86.1	1.99	3.70	14.80
KAR19			100	0.07	90.8	3.12	3.00	16.80
KAR19			125	-9.25	89.3	4.73	1.80	18.80
KAR19			160	-17.11	90.6	7.10	0.00	21.10
KAR19			200	-23.13	91.9	10.22	0.00	22.80
KAR20	13 619	13 620						
KAR20			20	18.72	63.9	0.00	5.60	7.60
KAR20			25	15.64	67.8	0.27	5.40	8.30
KAR20			32	14.61	73.3	0.41	5.20	9.20
KAR20			40	11.84	76.9	0.68	5.00	10.30
KAR20			50	10.76	82.0	0.95	4.70	11.50
KAR20			63	5.62	83.3	1.50	4.30	13.00
KAR20			80	1.64	86.1	2.18	3.70	14.80
KAR20			100	-0.99	90.8	3.41	3.00	16.80
KAR20			125	-10.46	89.3	5.18	1.80	18.80
KAR20			160	-18.55	90.6	7.76	0.00	21.10
KAR20			200	-24.85	91.9	11.17	0.00	22.80
KAR21	13 287	13 289						
KAR21			20	18.93	63.9	0.00	5.60	7.60
KAR21			25	15.86	67.8	0.27	5.40	8.30
KAR21			32	14.83	73.3	0.40	5.20	9.20
KAR21			40	12.07	76.9	0.66	5.00	10.30
KAR21			50	11.00	82.0	0.93	4.70	11.50
KAR21			63	5.87	83.3	1.46	4.30	13.00
KAR21			80	1.90	86.1	2.13	3.70	14.80
KAR21			100	-0.69	90.8	3.32	3.00	16.80
KAR21			125	-10.12	89.3	5.05	1.80	18.80
KAR21			160	-18.14	90.6	7.57	0.00	21.10
KAR21			200	-24.37	91.9	10.90	0.00	22.80
KAR22	13 222	13 224						
KAR22			20	18.97	63.9	0.00	5.60	7.60
KAR22			25	15.91	67.8	0.26	5.40	8.30
KAR22			32	14.88	73.3	0.40	5.20	9.20
KAR22			40	12.11	76.9	0.66	5.00	10.30
KAR22			50	11.05	82.0	0.93	4.70	11.50
KAR22			63	5.92	83.3	1.45	4.30	13.00
KAR22			80	1.96	86.1	2.12	3.70	14.80
KAR22			100	-0.63	90.8	3.31	3.00	16.80
KAR22			125	-10.05	89.3	5.03	1.80	18.80
KAR22			160	-18.06	90.6	7.54	0.00	21.10
KAR22			200	-24.27	91.9	10.84	0.00	22.80
KAR23	13 818	13 820						
KAR23			20	18.59	63.9	0.00	5.60	7.60
KAR23			25	15.51	67.8	0.28	5.40	8.30
KAR23			32	14.48	73.3	0.41	5.20	9.20
KAR23			40	11.70	76.9	0.69	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			50	10.62	82.0	0.97	4.70	11.50
KAR23			63	5.47	83.3	1.52	4.30	13.00
KAR23			80	1.48	86.1	2.21	3.70	14.80
KAR23			100	-1.16	90.8	3.45	3.00	16.80
KAR23			125	-10.66	89.3	5.25	1.80	18.80
KAR23			160	-18.79	90.6	7.88	0.00	21.10
KAR23			200	-25.14	91.9	11.33	0.00	22.80
KAR24	10 798	10 800						
KAR24			20	20.73	63.9	0.00	5.60	7.60
KAR24			25	17.72	67.8	0.22	5.40	8.30
KAR24			32	16.71	73.3	0.32	5.20	9.20
KAR24			40	13.99	76.9	0.54	5.00	10.30
KAR24			50	12.98	82.0	0.76	4.70	11.50
KAR24			63	7.94	83.3	1.19	4.30	13.00
KAR24			80	4.10	86.1	1.73	3.70	14.80
KAR24			100	1.73	90.8	2.70	3.00	16.80
KAR24			125	-7.37	89.3	4.10	1.80	18.80
KAR24			160	-14.92	90.6	6.16	0.00	21.10
KAR24			200	-20.52	91.9	8.86	0.00	22.80
KAR25	9 971	9 973						
KAR25			20	21.42	63.9	0.00	5.60	7.60
KAR25			25	18.42	67.8	0.20	5.40	8.30
KAR25			32	17.42	73.3	0.30	5.20	9.20
KAR25			40	14.72	76.9	0.50	5.00	10.30
KAR25			50	13.72	82.0	0.70	4.70	11.50
KAR25			63	8.73	83.3	1.10	4.30	13.00
KAR25			80	4.93	86.1	1.60	3.70	14.80
KAR25			100	2.63	90.8	2.49	3.00	16.80
KAR25			125	-6.37	89.3	3.79	1.80	18.80
KAR25			160	-13.76	90.6	5.68	0.00	21.10
KAR25			200	-19.16	91.9	8.18	0.00	22.80
MAA01	4 962	4 964						
MAA01			20	27.48	63.9	0.00	5.60	7.60
MAA01			25	24.58	67.8	0.10	5.40	8.30
MAA01			32	23.63	73.3	0.15	5.20	9.20
MAA01			40	21.03	76.9	0.25	5.00	10.30
MAA01			50	20.14	82.0	0.35	4.70	11.50
MAA01			63	15.34	83.3	0.55	4.30	13.00
MAA01			80	11.79	86.1	0.79	3.70	14.80
MAA01			100	9.94	90.8	1.24	3.00	16.80
MAA01			125	1.60	89.3	1.89	1.80	18.80
MAA01			160	-4.85	90.6	2.83	0.00	21.10
MAA01			200	-8.99	91.9	4.07	0.00	22.80
MAA03	4 551	4 554						
MAA03			20	28.23	63.9	0.00	5.60	7.60
MAA03			25	25.34	67.8	0.09	5.40	8.30
MAA03			32	24.40	73.3	0.14	5.20	9.20
MAA03			40	21.80	76.9	0.23	5.00	10.30
MAA03			50	20.91	82.0	0.32	4.70	11.50
MAA03			63	16.13	83.3	0.50	4.30	13.00
MAA03			80	12.60	86.1	0.73	3.70	14.80
MAA03			100	10.79	90.8	1.14	3.00	16.80
MAA03			125	2.50	89.3	1.73	1.80	18.80
MAA03			160	-3.86	90.6	2.60	0.00	21.10
MAA03			200	-7.90	91.9	3.73	0.00	22.80
MAA04	5 400	5 403						
MAA04			20	26.75	63.9	0.00	5.60	7.60
MAA04			25	23.84	67.8	0.11	5.40	8.30
MAA04			32	22.89	73.3	0.16	5.20	9.20
MAA04			40	20.28	76.9	0.27	5.00	10.30
MAA04			50	19.37	82.0	0.38	4.70	11.50
MAA04			63	14.55	83.3	0.59	4.30	13.00
MAA04			80	10.98	86.1	0.86	3.70	14.80
MAA04			100	9.10	90.8	1.35	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA04			125	0.69	89.3	2.05	1.80	18.80
MAA04			160	-5.83	90.6	3.08	0.00	21.10
MAA04			200	-10.08	91.9	4.43	0.00	22.80
MAA05	4 364	4 366						
MAA05			20	28.60	63.9	0.00	5.60	7.60
MAA05			25	25.71	67.8	0.09	5.40	8.30
MAA05			32	24.77	73.3	0.13	5.20	9.20
MAA05			40	22.18	76.9	0.22	5.00	10.30
MAA05			50	21.29	82.0	0.31	4.70	11.50
MAA05			63	16.52	83.3	0.48	4.30	13.00
MAA05			80	13.00	86.1	0.70	3.70	14.80
MAA05			100	11.21	90.8	1.09	3.00	16.80
MAA05			125	2.94	89.3	1.66	1.80	18.80
MAA05			160	-3.39	90.6	2.49	0.00	21.10
MAA05			200	-7.38	91.9	3.58	0.00	22.80
MAA06	4 624	4 626						
MAA06			20	28.10	63.9	0.00	5.60	7.60
MAA06			25	25.20	67.8	0.09	5.40	8.30
MAA06			32	24.26	73.3	0.14	5.20	9.20
MAA06			40	21.66	76.9	0.23	5.00	10.30
MAA06			50	20.77	82.0	0.32	4.70	11.50
MAA06			63	15.99	83.3	0.51	4.30	13.00
MAA06			80	12.46	86.1	0.74	3.70	14.80
MAA06			100	10.64	90.8	1.16	3.00	16.80
MAA06			125	2.34	89.3	1.76	1.80	18.80
MAA06			160	-4.04	90.6	2.64	0.00	21.10
MAA06			200	-8.10	91.9	3.79	0.00	22.80
MAA07	5 167	5 170						
MAA07			20	27.13	63.9	0.00	5.60	7.60
MAA07			25	24.23	67.8	0.10	5.40	8.30
MAA07			32	23.28	73.3	0.16	5.20	9.20
MAA07			40	20.67	76.9	0.26	5.00	10.30
MAA07			50	19.77	82.0	0.36	4.70	11.50
MAA07			63	14.96	83.3	0.57	4.30	13.00
MAA07			80	11.40	86.1	0.83	3.70	14.80
MAA07			100	9.54	90.8	1.29	3.00	16.80
MAA07			125	1.17	89.3	1.96	1.80	18.80
MAA07			160	-5.32	90.6	2.95	0.00	21.10
MAA07			200	-9.51	91.9	4.24	0.00	22.80
MAA08	5 640	5 642						
MAA08			20	26.37	63.9	0.00	5.60	7.60
MAA08			25	23.46	67.8	0.11	5.40	8.30
MAA08			32	22.50	73.3	0.17	5.20	9.20
MAA08			40	19.89	76.9	0.28	5.00	10.30
MAA08			50	18.98	82.0	0.39	4.70	11.50
MAA08			63	14.15	83.3	0.62	4.30	13.00
MAA08			80	10.57	86.1	0.90	3.70	14.80
MAA08			100	8.66	90.8	1.41	3.00	16.80
MAA08			125	0.23	89.3	2.14	1.80	18.80
MAA08			160	-6.34	90.6	3.22	0.00	21.10
MAA08			200	-10.66	91.9	4.63	0.00	22.80
RAH01	4 133	4 137						
RAH01			20	27.22	62.0	0.00	5.60	7.60
RAH01			25	25.63	67.2	0.08	5.40	8.30
RAH01			32	23.99	72.0	0.12	5.20	9.20
RAH01			40	22.58	76.8	0.21	5.00	10.30
RAH01			50	21.00	81.2	0.29	4.70	11.50
RAH01			63	18.74	85.0	0.46	4.30	13.00
RAH01			80	15.73	88.3	0.66	3.70	14.80
RAH01			100	12.03	91.1	1.03	3.00	16.80
RAH01			125	7.49	93.3	1.57	1.80	18.80
RAH01			160	1.58	95.0	2.36	0.00	21.10
RAH01			200	-2.53	96.1	3.39	0.00	22.80
RAH02	3 501	3 505						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH02			20	28.66	62.0	0.00	5.60	7.60
RAH02			25	27.09	67.2	0.07	5.40	8.30
RAH02			32	25.45	72.0	0.11	5.20	9.20
RAH02			40	24.06	76.8	0.18	5.00	10.30
RAH02			50	22.49	81.2	0.25	4.70	11.50
RAH02			63	20.25	85.0	0.39	4.30	13.00
RAH02			80	17.27	88.3	0.56	3.70	14.80
RAH02			100	13.63	91.1	0.88	3.00	16.80
RAH02			125	9.18	93.3	1.33	1.80	18.80
RAH02			160	3.39	95.0	2.00	0.00	21.10
RAH02			200	-0.57	96.1	2.87	0.00	22.80
RAH03	4 312	4 315						
RAH03			20	26.85	62.0	0.00	5.60	7.60
RAH03			25	25.26	67.2	0.09	5.40	8.30
RAH03			32	23.62	72.0	0.13	5.20	9.20
RAH03			40	22.21	76.8	0.22	5.00	10.30
RAH03			50	20.62	81.2	0.30	4.70	11.50
RAH03			63	18.35	85.0	0.47	4.30	13.00
RAH03			80	15.33	88.3	0.69	3.70	14.80
RAH03			100	11.62	91.1	1.08	3.00	16.80
RAH03			125	7.06	93.3	1.64	1.80	18.80
RAH03			160	1.12	95.0	2.46	0.00	21.10
RAH03			200	-3.04	96.1	3.54	0.00	22.80
RAH04	3 189	3 193						
RAH04			20	29.46	62.0	0.00	5.60	7.60
RAH04			25	27.90	67.2	0.06	5.40	8.30
RAH04			32	26.27	72.0	0.10	5.20	9.20
RAH04			40	24.88	76.8	0.16	5.00	10.30
RAH04			50	23.32	81.2	0.22	4.70	11.50
RAH04			63	21.09	85.0	0.35	4.30	13.00
RAH04			80	18.13	88.3	0.51	3.70	14.80
RAH04			100	14.52	91.1	0.80	3.00	16.80
RAH04			125	10.10	93.3	1.21	1.80	18.80
RAH04			160	4.37	95.0	1.82	0.00	21.10
RAH04			200	0.50	96.1	2.62	0.00	22.80
RAH05	3 981	3 985						
RAH05			20	27.54	62.0	0.00	5.60	7.60
RAH05			25	25.96	67.2	0.08	5.40	8.30
RAH05			32	24.32	72.0	0.12	5.20	9.20
RAH05			40	22.92	76.8	0.20	5.00	10.30
RAH05			50	21.34	81.2	0.28	4.70	11.50
RAH05			63	19.08	85.0	0.44	4.30	13.00
RAH05			80	16.08	88.3	0.64	3.70	14.80
RAH05			100	12.40	91.1	1.00	3.00	16.80
RAH05			125	7.88	93.3	1.51	1.80	18.80
RAH05			160	2.00	95.0	2.27	0.00	21.10
RAH05			200	-2.08	96.1	3.27	0.00	22.80
RAH06	3 698	3 702						
RAH06			20	28.18	62.0	0.00	5.60	7.60
RAH06			25	26.61	67.2	0.07	5.40	8.30
RAH06			32	24.97	72.0	0.11	5.20	9.20
RAH06			40	23.57	76.8	0.19	5.00	10.30
RAH06			50	22.00	81.2	0.26	4.70	11.50
RAH06			63	19.75	85.0	0.41	4.30	13.00
RAH06			80	16.76	88.3	0.59	3.70	14.80
RAH06			100	13.11	91.1	0.93	3.00	16.80
RAH06			125	8.62	93.3	1.41	1.80	18.80
RAH06			160	2.80	95.0	2.11	0.00	21.10
RAH06			200	-1.20	96.1	3.04	0.00	22.80
RAH07	2 533	2 539						
RAH07			20	31.45	62.0	0.00	5.60	7.60
RAH07			25	29.90	67.2	0.05	5.40	8.30
RAH07			32	28.28	72.0	0.08	5.20	9.20
RAH07			40	26.90	76.8	0.13	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			50	25.35	81.2	0.18	4.70	11.50
RAH07			63	23.15	85.0	0.28	4.30	13.00
RAH07			80	20.22	88.3	0.41	3.70	14.80
RAH07			100	16.67	91.1	0.63	3.00	16.80
RAH07			125	12.34	93.3	0.96	1.80	18.80
RAH07			160	6.73	95.0	1.45	0.00	21.10
RAH07			200	3.02	96.1	2.08	0.00	22.80
RAH08	2 040	2 047						
RAH08			20	33.33	62.0	0.00	5.60	7.60
RAH08			25	31.78	67.2	0.04	5.40	8.30
RAH08			32	30.16	72.0	0.06	5.20	9.20
RAH08			40	28.80	76.8	0.10	5.00	10.30
RAH08			50	27.26	81.2	0.14	4.70	11.50
RAH08			63	25.08	85.0	0.23	4.30	13.00
RAH08			80	22.17	88.3	0.33	3.70	14.80
RAH08			100	18.67	91.1	0.51	3.00	16.80
RAH08			125	14.40	93.3	0.78	1.80	18.80
RAH08			160	8.89	95.0	1.17	0.00	21.10
RAH08			200	5.30	96.1	1.68	0.00	22.80
RAH09	2 832	2 837						
RAH09			20	30.49	62.0	0.00	5.60	7.60
RAH09			25	28.94	67.2	0.06	5.40	8.30
RAH09			32	27.31	72.0	0.09	5.20	9.20
RAH09			40	25.93	76.8	0.14	5.00	10.30
RAH09			50	24.37	81.2	0.20	4.70	11.50
RAH09			63	22.16	85.0	0.31	4.30	13.00
RAH09			80	19.21	88.3	0.45	3.70	14.80
RAH09			100	15.63	91.1	0.71	3.00	16.80
RAH09			125	11.27	93.3	1.08	1.80	18.80
RAH09			160	5.60	95.0	1.62	0.00	21.10
RAH09			200	1.82	96.1	2.33	0.00	22.80
RAH10	2 353	2 359						
RAH10			20	32.09	62.0	0.00	5.60	7.60
RAH10			25	30.55	67.2	0.05	5.40	8.30
RAH10			32	28.92	72.0	0.07	5.20	9.20
RAH10			40	27.55	76.8	0.12	5.00	10.30
RAH10			50	26.00	81.2	0.17	4.70	11.50
RAH10			63	23.81	85.0	0.26	4.30	13.00
RAH10			80	20.89	88.3	0.38	3.70	14.80
RAH10			100	17.35	91.1	0.59	3.00	16.80
RAH10			125	13.05	93.3	0.90	1.80	18.80
RAH10			160	7.47	95.0	1.34	0.00	21.10
RAH10			200	3.81	96.1	1.93	0.00	22.80
RAH11	5 075	5 078						
RAH11			20	25.43	62.0	0.00	5.60	7.60
RAH11			25	23.83	67.2	0.10	5.40	8.30
RAH11			32	22.18	72.0	0.15	5.20	9.20
RAH11			40	20.76	76.8	0.25	5.00	10.30
RAH11			50	19.16	81.2	0.36	4.70	11.50
RAH11			63	16.85	85.0	0.56	4.30	13.00
RAH11			80	13.80	88.3	0.81	3.70	14.80
RAH11			100	10.02	91.1	1.27	3.00	16.80
RAH11			125	5.36	93.3	1.93	1.80	18.80
RAH11			160	-0.73	95.0	2.89	0.00	21.10
RAH11			200	-5.08	96.1	4.16	0.00	22.80
RAH12	5 038	5 041						
RAH12			20	25.50	62.0	0.00	5.60	7.60
RAH12			25	23.90	67.2	0.10	5.40	8.30
RAH12			32	22.25	72.0	0.15	5.20	9.20
RAH12			40	20.82	76.8	0.25	5.00	10.30
RAH12			50	19.22	81.2	0.35	4.70	11.50
RAH12			63	16.92	85.0	0.55	4.30	13.00
RAH12			80	13.87	88.3	0.81	3.70	14.80
RAH12			100	10.09	91.1	1.26	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH12			125	5.43	93.3	1.92	1.80	18.80
RAH12			160	-0.65	95.0	2.87	0.00	21.10
RAH12			200	-4.98	96.1	4.13	0.00	22.80
RAH13	5 927	5 930						
RAH13			20	24.09	62.0	0.00	5.60	7.60
RAH13			25	22.47	67.2	0.12	5.40	8.30
RAH13			32	20.81	72.0	0.18	5.20	9.20
RAH13			40	19.37	76.8	0.30	5.00	10.30
RAH13			50	17.75	81.2	0.42	4.70	11.50
RAH13			63	15.41	85.0	0.65	4.30	13.00
RAH13			80	12.31	88.3	0.95	3.70	14.80
RAH13			100	8.46	91.1	1.48	3.00	16.80
RAH13			125	3.69	93.3	2.25	1.80	18.80
RAH13			160	-2.57	95.0	3.38	0.00	21.10
RAH13			200	-7.12	96.1	4.86	0.00	22.80
RAH14	5 976	5 979						
RAH14			20	24.02	62.0	0.00	5.60	7.60
RAH14			25	22.40	67.2	0.12	5.40	8.30
RAH14			32	20.74	72.0	0.18	5.20	9.20
RAH14			40	19.29	76.8	0.30	5.00	10.30
RAH14			50	17.67	81.2	0.42	4.70	11.50
RAH14			63	15.33	85.0	0.66	4.30	13.00
RAH14			80	12.24	88.3	0.96	3.70	14.80
RAH14			100	8.37	91.1	1.49	3.00	16.80
RAH14			125	3.60	93.3	2.27	1.80	18.80
RAH14			160	-2.66	95.0	3.41	0.00	21.10
RAH14			200	-7.23	96.1	4.90	0.00	22.80
RAH15	7 021	7 023						
RAH15			20	22.62	62.0	0.00	5.60	7.60
RAH15			25	20.98	67.2	0.14	5.40	8.30
RAH15			32	19.31	72.0	0.21	5.20	9.20
RAH15			40	17.84	76.8	0.35	5.00	10.30
RAH15			50	16.20	81.2	0.49	4.70	11.50
RAH15			63	13.82	85.0	0.77	4.30	13.00
RAH15			80	10.67	88.3	1.12	3.70	14.80
RAH15			100	6.71	91.1	1.76	3.00	16.80
RAH15			125	1.80	93.3	2.67	1.80	18.80
RAH15			160	-4.66	95.0	4.00	0.00	21.10
RAH15			200	-9.49	96.1	5.76	0.00	22.80
RAH16	6 561	6 563						
RAH16			20	23.21	62.0	0.00	5.60	7.60
RAH16			25	21.57	67.2	0.13	5.40	8.30
RAH16			32	19.91	72.0	0.20	5.20	9.20
RAH16			40	18.45	76.8	0.33	5.00	10.30
RAH16			50	16.82	81.2	0.46	4.70	11.50
RAH16			63	14.46	85.0	0.72	4.30	13.00
RAH16			80	11.33	88.3	1.05	3.70	14.80
RAH16			100	7.42	91.1	1.64	3.00	16.80
RAH16			125	2.56	93.3	2.49	1.80	18.80
RAH16			160	-3.81	95.0	3.74	0.00	21.10
RAH16			200	-8.52	96.1	5.38	0.00	22.80
RAH17	7 621	7 623						
RAH17			20	21.91	62.0	0.00	5.60	7.60
RAH17			25	20.25	67.2	0.15	5.40	8.30
RAH17			32	18.58	72.0	0.23	5.20	9.20
RAH17			40	17.10	76.8	0.38	5.00	10.30
RAH17			50	15.45	81.2	0.53	4.70	11.50
RAH17			63	13.04	85.0	0.84	4.30	13.00
RAH17			80	9.86	88.3	1.22	3.70	14.80
RAH17			100	5.85	91.1	1.91	3.00	16.80
RAH17			125	0.86	93.3	2.90	1.80	18.80
RAH17			160	-5.71	95.0	4.35	0.00	21.10
RAH17			200	-10.69	96.1	6.25	0.00	22.80
RAH18	7 593	7 596						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH18			20	21.94	62.0	0.00	5.60	7.60
RAH18			25	20.29	67.2	0.15	5.40	8.30
RAH18			32	18.61	72.0	0.23	5.20	9.20
RAH18			40	17.13	76.8	0.38	5.00	10.30
RAH18			50	15.48	81.2	0.53	4.70	11.50
RAH18			63	13.08	85.0	0.84	4.30	13.00
RAH18			80	9.90	88.3	1.22	3.70	14.80
RAH18			100	5.89	91.1	1.90	3.00	16.80
RAH18			125	0.90	93.3	2.89	1.80	18.80
RAH18			160	-5.66	95.0	4.33	0.00	21.10
RAH18			200	-10.64	96.1	6.23	0.00	22.80
RAH19	8 453	8 455						
RAH19			20	21.01	62.0	0.00	5.60	7.60
RAH19			25	19.34	67.2	0.17	5.40	8.30
RAH19			32	17.65	72.0	0.25	5.20	9.20
RAH19			40	16.16	76.8	0.42	5.00	10.30
RAH19			50	14.49	81.2	0.59	4.70	11.50
RAH19			63	12.05	85.0	0.93	4.30	13.00
RAH19			80	8.83	88.3	1.35	3.70	14.80
RAH19			100	4.74	91.1	2.11	3.00	16.80
RAH19			125	-0.36	93.3	3.21	1.80	18.80
RAH19			160	-7.09	95.0	4.82	0.00	21.10
RAH19			200	-12.28	96.1	6.93	0.00	22.80
SIL01	12 789	12 791						
SIL01			20	18.69	63.3	0.00	5.60	7.60
SIL01			25	16.82	68.4	0.26	5.40	8.30
SIL01			32	10.81	68.9	0.38	5.20	9.20
SIL01			40	7.65	72.1	0.64	5.00	10.30
SIL01			50	6.19	76.8	0.90	4.70	11.50
SIL01			63	2.76	79.8	1.41	4.30	13.00
SIL01			80	-1.17	82.6	2.05	3.70	14.80
SIL01			100	-5.01	86.0	3.20	3.00	16.80
SIL01			125	-9.61	89.3	4.86	1.80	18.80
SIL01			160	-19.95	88.2	7.29	0.00	21.10
SIL01			200	-25.54	90.0	10.49	0.00	22.80
SIL02	12 713	12 714						
SIL02			20	18.74	63.3	0.00	5.60	7.60
SIL02			25	16.88	68.4	0.25	5.40	8.30
SIL02			32	10.86	68.9	0.38	5.20	9.20
SIL02			40	7.70	72.1	0.64	5.00	10.30
SIL02			50	6.25	76.8	0.89	4.70	11.50
SIL02			63	2.82	79.8	1.40	4.30	13.00
SIL02			80	-1.11	82.6	2.03	3.70	14.80
SIL02			100	-4.94	86.0	3.18	3.00	16.80
SIL02			125	-9.53	89.3	4.83	1.80	18.80
SIL02			160	-19.85	88.2	7.25	0.00	21.10
SIL02			200	-25.42	90.0	10.43	0.00	22.80
SIL03	12 427	12 429						
SIL03			20	18.93	63.3	0.00	5.60	7.60
SIL03			25	17.08	68.4	0.25	5.40	8.30
SIL03			32	11.07	68.9	0.37	5.20	9.20
SIL03			40	7.91	72.1	0.62	5.00	10.30
SIL03			50	6.46	76.8	0.87	4.70	11.50
SIL03			63	3.05	79.8	1.37	4.30	13.00
SIL03			80	-0.87	82.6	1.99	3.70	14.80
SIL03			100	-4.67	86.0	3.11	3.00	16.80
SIL03			125	-9.22	89.3	4.72	1.80	18.80
SIL03			160	-19.49	88.2	7.08	0.00	21.10
SIL03			200	-24.99	90.0	10.19	0.00	22.80
SIL04	12 093	12 095						
SIL04			20	19.17	63.3	0.00	5.60	7.60
SIL04			25	17.32	68.4	0.24	5.40	8.30
SIL04			32	11.31	68.9	0.36	5.20	9.20
SIL04			40	8.17	72.1	0.60	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			50	6.72	76.8	0.85	4.70	11.50
SIL04			63	3.32	79.8	1.33	4.30	13.00
SIL04			80	-0.58	82.6	1.94	3.70	14.80
SIL04			100	-4.35	86.0	3.02	3.00	16.80
SIL04			125	-8.86	89.3	4.60	1.80	18.80
SIL04			160	-19.06	88.2	6.89	0.00	21.10
SIL04			200	-24.48	90.0	9.92	0.00	22.80
SIL05	12 247	12 248						
SIL05			20	19.06	63.3	0.00	5.60	7.60
SIL05			25	17.21	68.4	0.24	5.40	8.30
SIL05			32	11.20	68.9	0.37	5.20	9.20
SIL05			40	8.05	72.1	0.61	5.00	10.30
SIL05			50	6.60	76.8	0.86	4.70	11.50
SIL05			63	3.20	79.8	1.35	4.30	13.00
SIL05			80	-0.71	82.6	1.96	3.70	14.80
SIL05			100	-4.49	86.0	3.06	3.00	16.80
SIL05			125	-9.03	89.3	4.65	1.80	18.80
SIL05			160	-19.26	88.2	6.98	0.00	21.10
SIL05			200	-24.72	90.0	10.04	0.00	22.80
SIL06	12 217	12 218						
SIL06			20	19.08	63.3	0.00	5.60	7.60
SIL06			25	17.23	68.4	0.24	5.40	8.30
SIL06			32	11.22	68.9	0.37	5.20	9.20
SIL06			40	8.07	72.1	0.61	5.00	10.30
SIL06			50	6.63	76.8	0.86	4.70	11.50
SIL06			63	3.22	79.8	1.34	4.30	13.00
SIL06			80	-0.68	82.6	1.95	3.70	14.80
SIL06			100	-4.47	86.0	3.05	3.00	16.80
SIL06			125	-8.99	89.3	4.64	1.80	18.80
SIL06			160	-19.22	88.2	6.96	0.00	21.10
SIL06			200	-24.67	90.0	10.02	0.00	22.80
SIL07	11 655	11 656						
SIL07			20	19.49	63.3	0.00	5.60	7.60
SIL07			25	17.65	68.4	0.23	5.40	8.30
SIL07			32	11.65	68.9	0.35	5.20	9.20
SIL07			40	8.51	72.1	0.58	5.00	10.30
SIL07			50	7.08	76.8	0.82	4.70	11.50
SIL07			63	3.69	79.8	1.28	4.30	13.00
SIL07			80	-0.18	82.6	1.86	3.70	14.80
SIL07			100	-3.92	86.0	2.91	3.00	16.80
SIL07			125	-8.37	89.3	4.43	1.80	18.80
SIL07			160	-18.49	88.2	6.64	0.00	21.10
SIL07			200	-23.80	90.0	9.56	0.00	22.80
SIL08	11 626	11 627						
SIL08			20	19.51	63.3	0.00	5.60	7.60
SIL08			25	17.68	68.4	0.23	5.40	8.30
SIL08			32	11.67	68.9	0.35	5.20	9.20
SIL08			40	8.53	72.1	0.58	5.00	10.30
SIL08			50	7.10	76.8	0.81	4.70	11.50
SIL08			63	3.72	79.8	1.28	4.30	13.00
SIL08			80	-0.16	82.6	1.86	3.70	14.80
SIL08			100	-3.89	86.0	2.91	3.00	16.80
SIL08			125	-8.34	89.3	4.42	1.80	18.80
SIL08			160	-18.45	88.2	6.63	0.00	21.10
SIL08			200	-23.76	90.0	9.53	0.00	22.80
Sum								
Sum			20	42.86				
Sum			25	40.86				
Sum			32	39.32				
Sum			40	37.56				
Sum			50	36.16				
Sum			63	33.32				
Sum			80	30.24				
Sum			100	26.89				

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
Sum			125	21.88				
Sum			160	16.04				
Sum			200	12.14				

Noise sensitive area: D Noise sensitive point: Finnish normal frequency - User defined (24)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	8 502	8 505						
KAR01			20	22.81	63.9	0.00	5.60	7.60
KAR01			25	19.84	67.8	0.17	5.40	8.30
KAR01			32	18.85	73.3	0.26	5.20	9.20
KAR01			40	16.18	76.9	0.43	5.00	10.30
KAR01			50	15.21	82.0	0.60	4.70	11.50
KAR01			63	10.27	83.3	0.94	4.30	13.00
KAR01			80	6.55	86.1	1.36	3.70	14.80
KAR01			100	4.38	90.8	2.13	3.00	16.80
KAR01			125	-4.42	89.3	3.23	1.80	18.80
KAR01			160	-11.54	90.6	4.85	0.00	21.10
KAR01			200	-16.57	91.9	6.97	0.00	22.80
KAR02	8 938	8 940						
KAR02			20	22.37	63.9	0.00	5.60	7.60
KAR02			25	19.39	67.8	0.18	5.40	8.30
KAR02			32	18.40	73.3	0.27	5.20	9.20
KAR02			40	15.73	76.9	0.45	5.00	10.30
KAR02			50	14.75	82.0	0.63	4.70	11.50
KAR02			63	9.79	83.3	0.98	4.30	13.00
KAR02			80	6.04	86.1	1.43	3.70	14.80
KAR02			100	3.84	90.8	2.24	3.00	16.80
KAR02			125	-5.02	89.3	3.40	1.80	18.80
KAR02			160	-12.22	90.6	5.10	0.00	21.10
KAR02			200	-17.36	91.9	7.33	0.00	22.80
KAR03	9 030	9 032						
KAR03			20	22.28	63.9	0.00	5.60	7.60
KAR03			25	19.30	67.8	0.18	5.40	8.30
KAR03			32	18.31	73.3	0.27	5.20	9.20
KAR03			40	15.63	76.9	0.45	5.00	10.30
KAR03			50	14.65	82.0	0.63	4.70	11.50
KAR03			63	9.69	83.3	0.99	4.30	13.00
KAR03			80	5.94	86.1	1.45	3.70	14.80
KAR03			100	3.73	90.8	2.26	3.00	16.80
KAR03			125	-5.15	89.3	3.43	1.80	18.80
KAR03			160	-12.36	90.6	5.15	0.00	21.10
KAR03			200	-17.52	91.9	7.41	0.00	22.80
KAR04	9 316	9 318						
KAR04			20	22.01	63.9	0.00	5.60	7.60
KAR04			25	19.03	67.8	0.19	5.40	8.30
KAR04			32	18.03	73.3	0.28	5.20	9.20
KAR04			40	15.35	76.9	0.47	5.00	10.30
KAR04			50	14.36	82.0	0.65	4.70	11.50
KAR04			63	9.39	83.3	1.03	4.30	13.00
KAR04			80	5.62	86.1	1.49	3.70	14.80
KAR04			100	3.38	90.8	2.33	3.00	16.80
KAR04			125	-5.53	89.3	3.54	1.80	18.80
KAR04			160	-12.80	90.6	5.31	0.00	21.10
KAR04			200	-18.03	91.9	7.64	0.00	22.80
KAR05	9 589	9 591						
KAR05			20	21.76	63.9	0.00	5.60	7.60
KAR05			25	18.77	67.8	0.19	5.40	8.30
KAR05			32	17.77	73.3	0.29	5.20	9.20
KAR05			40	15.08	76.9	0.48	5.00	10.30
KAR05			50	14.09	82.0	0.67	4.70	11.50
KAR05			63	9.11	83.3	1.06	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR05			80	5.33	86.1	1.53	3.70	14.80
KAR05			100	3.06	90.8	2.40	3.00	16.80
KAR05			125	-5.88	89.3	3.64	1.80	18.80
KAR05			160	-13.20	90.6	5.47	0.00	21.10
KAR05			200	-18.50	91.9	7.86	0.00	22.80
KAR06	9 711	9 713						
KAR06			20	21.65	63.9	0.00	5.60	7.60
KAR06			25	18.66	67.8	0.19	5.40	8.30
KAR06			32	17.66	73.3	0.29	5.20	9.20
KAR06			40	14.97	76.9	0.49	5.00	10.30
KAR06			50	13.97	82.0	0.68	4.70	11.50
KAR06			63	8.98	83.3	1.07	4.30	13.00
KAR06			80	5.20	86.1	1.55	3.70	14.80
KAR06			100	2.92	90.8	2.43	3.00	16.80
KAR06			125	-6.04	89.3	3.69	1.80	18.80
KAR06			160	-13.38	90.6	5.54	0.00	21.10
KAR06			200	-18.71	91.9	7.96	0.00	22.80
KAR07	9 857	9 859						
KAR07			20	21.52	63.9	0.00	5.60	7.60
KAR07			25	18.53	67.8	0.20	5.40	8.30
KAR07			32	17.53	73.3	0.30	5.20	9.20
KAR07			40	14.83	76.9	0.49	5.00	10.30
KAR07			50	13.83	82.0	0.69	4.70	11.50
KAR07			63	8.84	83.3	1.08	4.30	13.00
KAR07			80	5.05	86.1	1.58	3.70	14.80
KAR07			100	2.76	90.8	2.46	3.00	16.80
KAR07			125	-6.22	89.3	3.75	1.80	18.80
KAR07			160	-13.60	90.6	5.62	0.00	21.10
KAR07			200	-18.96	91.9	8.08	0.00	22.80
KAR08	10 116	10 118						
KAR08			20	21.30	63.9	0.00	5.60	7.60
KAR08			25	18.30	67.8	0.20	5.40	8.30
KAR08			32	17.29	73.3	0.30	5.20	9.20
KAR08			40	14.59	76.9	0.51	5.00	10.30
KAR08			50	13.59	82.0	0.71	4.70	11.50
KAR08			63	8.59	83.3	1.11	4.30	13.00
KAR08			80	4.78	86.1	1.62	3.70	14.80
KAR08			100	2.47	90.8	2.53	3.00	16.80
KAR08			125	-6.55	89.3	3.84	1.80	18.80
KAR08			160	-13.97	90.6	5.77	0.00	21.10
KAR08			200	-19.40	91.9	8.30	0.00	22.80
KAR09	10 209	10 211						
KAR09			20	21.22	63.9	0.00	5.60	7.60
KAR09			25	18.21	67.8	0.20	5.40	8.30
KAR09			32	17.21	73.3	0.31	5.20	9.20
KAR09			40	14.51	76.9	0.51	5.00	10.30
KAR09			50	13.50	82.0	0.71	4.70	11.50
KAR09			63	8.50	83.3	1.12	4.30	13.00
KAR09			80	4.68	86.1	1.63	3.70	14.80
KAR09			100	2.37	90.8	2.55	3.00	16.80
KAR09			125	-6.66	89.3	3.88	1.80	18.80
KAR09			160	-14.10	90.6	5.82	0.00	21.10
KAR09			200	-19.56	91.9	8.37	0.00	22.80
KAR10	10 169	10 171						
KAR10			20	21.25	63.9	0.00	5.60	7.60
KAR10			25	18.25	67.8	0.20	5.40	8.30
KAR10			32	17.25	73.3	0.31	5.20	9.20
KAR10			40	14.54	76.9	0.51	5.00	10.30
KAR10			50	13.54	82.0	0.71	4.70	11.50
KAR10			63	8.53	83.3	1.12	4.30	13.00
KAR10			80	4.73	86.1	1.63	3.70	14.80
KAR10			100	2.41	90.8	2.54	3.00	16.80
KAR10			125	-6.61	89.3	3.87	1.80	18.80
KAR10			160	-14.05	90.6	5.80	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR10			200	-19.49	91.9	8.34	0.00	22.80
KAR11	10 387	10 389						
KAR11			20	21.07	63.9	0.00	5.60	7.60
KAR11			25	18.06	67.8	0.21	5.40	8.30
KAR11			32	17.06	73.3	0.31	5.20	9.20
KAR11			40	14.35	76.9	0.52	5.00	10.30
KAR11			50	13.34	82.0	0.73	4.70	11.50
KAR11			63	8.33	83.3	1.14	4.30	13.00
KAR11			80	4.51	86.1	1.66	3.70	14.80
KAR11			100	2.17	90.8	2.60	3.00	16.80
KAR11			125	-6.88	89.3	3.95	1.80	18.80
KAR11			160	-14.35	90.6	5.92	0.00	21.10
KAR11			200	-19.85	91.9	8.52	0.00	22.80
KAR12	10 834	10 836						
KAR12			20	20.70	63.9	0.00	5.60	7.60
KAR12			25	17.69	67.8	0.22	5.40	8.30
KAR12			32	16.68	73.3	0.33	5.20	9.20
KAR12			40	13.96	76.9	0.54	5.00	10.30
KAR12			50	12.94	82.0	0.76	4.70	11.50
KAR12			63	7.91	83.3	1.19	4.30	13.00
KAR12			80	4.07	86.1	1.73	3.70	14.80
KAR12			100	1.69	90.8	2.71	3.00	16.80
KAR12			125	-7.42	89.3	4.12	1.80	18.80
KAR12			160	-14.97	90.6	6.18	0.00	21.10
KAR12			200	-20.58	91.9	8.89	0.00	22.80
KAR13	10 877	10 879						
KAR13			20	20.67	63.9	0.00	5.60	7.60
KAR13			25	17.65	67.8	0.22	5.40	8.30
KAR13			32	16.64	73.3	0.33	5.20	9.20
KAR13			40	13.92	76.9	0.54	5.00	10.30
KAR13			50	12.91	82.0	0.76	4.70	11.50
KAR13			63	7.87	83.3	1.20	4.30	13.00
KAR13			80	4.03	86.1	1.74	3.70	14.80
KAR13			100	1.65	90.8	2.72	3.00	16.80
KAR13			125	-7.47	89.3	4.13	1.80	18.80
KAR13			160	-15.03	90.6	6.20	0.00	21.10
KAR13			200	-20.65	91.9	8.92	0.00	22.80
KAR14	11 040	11 042						
KAR14			20	20.54	63.9	0.00	5.60	7.60
KAR14			25	17.52	67.8	0.22	5.40	8.30
KAR14			32	16.51	73.3	0.33	5.20	9.20
KAR14			40	13.79	76.9	0.55	5.00	10.30
KAR14			50	12.77	82.0	0.77	4.70	11.50
KAR14			63	7.72	83.3	1.21	4.30	13.00
KAR14			80	3.87	86.1	1.77	3.70	14.80
KAR14			100	1.48	90.8	2.76	3.00	16.80
KAR14			125	-7.66	89.3	4.20	1.80	18.80
KAR14			160	-15.25	90.6	6.29	0.00	21.10
KAR14			200	-20.91	91.9	9.05	0.00	22.80
KAR15	11 019	11 021						
KAR15			20	20.56	63.9	0.00	5.60	7.60
KAR15			25	17.54	67.8	0.22	5.40	8.30
KAR15			32	16.53	73.3	0.33	5.20	9.20
KAR15			40	13.80	76.9	0.55	5.00	10.30
KAR15			50	12.78	82.0	0.77	4.70	11.50
KAR15			63	7.74	83.3	1.21	4.30	13.00
KAR15			80	3.89	86.1	1.76	3.70	14.80
KAR15			100	1.50	90.8	2.76	3.00	16.80
KAR15			125	-7.63	89.3	4.19	1.80	18.80
KAR15			160	-15.23	90.6	6.28	0.00	21.10
KAR15			200	-20.88	91.9	9.04	0.00	22.80
KAR16	11 529	11 531						
KAR16			20	20.16	63.9	0.00	5.60	7.60
KAR16			25	17.13	67.8	0.23	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			32	16.12	73.3	0.35	5.20	9.20
KAR16			40	13.39	76.9	0.58	5.00	10.30
KAR16			50	12.36	82.0	0.81	4.70	11.50
KAR16			63	7.29	83.3	1.27	4.30	13.00
KAR16			80	3.42	86.1	1.84	3.70	14.80
KAR16			100	0.98	90.8	2.88	3.00	16.80
KAR16			125	-8.22	89.3	4.38	1.80	18.80
KAR16			160	-15.91	90.6	6.57	0.00	21.10
KAR16			200	-21.69	91.9	9.46	0.00	22.80
KAR17	11 634	11 635						
KAR17			20	20.08	63.9	0.00	5.60	7.60
KAR17			25	17.05	67.8	0.23	5.40	8.30
KAR17			32	16.04	73.3	0.35	5.20	9.20
KAR17			40	13.30	76.9	0.58	5.00	10.30
KAR17			50	12.27	82.0	0.81	4.70	11.50
KAR17			63	7.20	83.3	1.28	4.30	13.00
KAR17			80	3.32	86.1	1.86	3.70	14.80
KAR17			100	0.88	90.8	2.91	3.00	16.80
KAR17			125	-8.34	89.3	4.42	1.80	18.80
KAR17			160	-16.05	90.6	6.63	0.00	21.10
KAR17			200	-21.86	91.9	9.54	0.00	22.80
KAR18	11 757	11 759						
KAR18			20	19.99	63.9	0.00	5.60	7.60
KAR18			25	16.96	67.8	0.24	5.40	8.30
KAR18			32	15.94	73.3	0.35	5.20	9.20
KAR18			40	13.20	76.9	0.59	5.00	10.30
KAR18			50	12.17	82.0	0.82	4.70	11.50
KAR18			63	7.10	83.3	1.29	4.30	13.00
KAR18			80	3.21	86.1	1.88	3.70	14.80
KAR18			100	0.75	90.8	2.94	3.00	16.80
KAR18			125	-8.48	89.3	4.47	1.80	18.80
KAR18			160	-16.21	90.6	6.70	0.00	21.10
KAR18			200	-22.05	91.9	9.64	0.00	22.80
KAR19	11 805	11 807						
KAR19			20	19.96	63.9	0.00	5.60	7.60
KAR19			25	16.92	67.8	0.24	5.40	8.30
KAR19			32	15.90	73.3	0.35	5.20	9.20
KAR19			40	13.17	76.9	0.59	5.00	10.30
KAR19			50	12.13	82.0	0.83	4.70	11.50
KAR19			63	7.06	83.3	1.30	4.30	13.00
KAR19			80	3.17	86.1	1.89	3.70	14.80
KAR19			100	0.71	90.8	2.95	3.00	16.80
KAR19			125	-8.53	89.3	4.49	1.80	18.80
KAR19			160	-16.27	90.6	6.73	0.00	21.10
KAR19			200	-22.12	91.9	9.68	0.00	22.80
KAR20	12 165	12 167						
KAR20			20	19.70	63.9	0.00	5.60	7.60
KAR20			25	16.65	67.8	0.24	5.40	8.30
KAR20			32	15.63	73.3	0.37	5.20	9.20
KAR20			40	12.89	76.9	0.61	5.00	10.30
KAR20			50	11.84	82.0	0.85	4.70	11.50
KAR20			63	6.76	83.3	1.34	4.30	13.00
KAR20			80	2.85	86.1	1.95	3.70	14.80
KAR20			100	0.35	90.8	3.04	3.00	16.80
KAR20			125	-8.93	89.3	4.62	1.80	18.80
KAR20			160	-16.74	90.6	6.94	0.00	21.10
KAR20			200	-22.68	91.9	9.98	0.00	22.80
KAR21	12 176	12 178						
KAR21			20	19.69	63.9	0.00	5.60	7.60
KAR21			25	16.64	67.8	0.24	5.40	8.30
KAR21			32	15.62	73.3	0.37	5.20	9.20
KAR21			40	12.88	76.9	0.61	5.00	10.30
KAR21			50	11.84	82.0	0.85	4.70	11.50
KAR21			63	6.75	83.3	1.34	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR21			80	2.84	86.1	1.95	3.70	14.80
KAR21			100	0.34	90.8	3.04	3.00	16.80
KAR21			125	-8.94	89.3	4.63	1.80	18.80
KAR21			160	-16.75	90.6	6.94	0.00	21.10
KAR21			200	-22.70	91.9	9.99	0.00	22.80
KAR22	12 366	12 368						
KAR22			20	19.55	63.9	0.00	5.60	7.60
KAR22			25	16.51	67.8	0.25	5.40	8.30
KAR22			32	15.48	73.3	0.37	5.20	9.20
KAR22			40	12.74	76.9	0.62	5.00	10.30
KAR22			50	11.69	82.0	0.87	4.70	11.50
KAR22			63	6.59	83.3	1.36	4.30	13.00
KAR22			80	2.68	86.1	1.98	3.70	14.80
KAR22			100	0.16	90.8	3.09	3.00	16.80
KAR22			125	-9.15	89.3	4.70	1.80	18.80
KAR22			160	-17.00	90.6	7.05	0.00	21.10
KAR22			200	-22.99	91.9	10.14	0.00	22.80
KAR23	12 869	12 871						
KAR23			20	19.21	63.9	0.00	5.60	7.60
KAR23			25	16.15	67.8	0.26	5.40	8.30
KAR23			32	15.12	73.3	0.39	5.20	9.20
KAR23			40	12.36	76.9	0.64	5.00	10.30
KAR23			50	11.31	82.0	0.90	4.70	11.50
KAR23			63	6.19	83.3	1.42	4.30	13.00
KAR23			80	2.25	86.1	2.06	3.70	14.80
KAR23			100	-0.31	90.8	3.22	3.00	16.80
KAR23			125	-9.68	89.3	4.89	1.80	18.80
KAR23			160	-17.63	90.6	7.34	0.00	21.10
KAR23			200	-23.75	91.9	10.55	0.00	22.80
KAR24	8 427	8 430						
KAR24			20	22.88	63.9	0.00	5.60	7.60
KAR24			25	19.92	67.8	0.17	5.40	8.30
KAR24			32	18.93	73.3	0.25	5.20	9.20
KAR24			40	16.26	76.9	0.42	5.00	10.30
KAR24			50	15.29	82.0	0.59	4.70	11.50
KAR24			63	10.36	83.3	0.93	4.30	13.00
KAR24			80	6.64	86.1	1.35	3.70	14.80
KAR24			100	4.48	90.8	2.11	3.00	16.80
KAR24			125	-4.32	89.3	3.20	1.80	18.80
KAR24			160	-11.42	90.6	4.80	0.00	21.10
KAR24			200	-16.43	91.9	6.91	0.00	22.80
KAR25	8 382	8 385						
KAR25			20	22.93	63.9	0.00	5.60	7.60
KAR25			25	19.96	67.8	0.17	5.40	8.30
KAR25			32	18.98	73.3	0.25	5.20	9.20
KAR25			40	16.31	76.9	0.42	5.00	10.30
KAR25			50	15.34	82.0	0.59	4.70	11.50
KAR25			63	10.41	83.3	0.92	4.30	13.00
KAR25			80	6.69	86.1	1.34	3.70	14.80
KAR25			100	4.53	90.8	2.10	3.00	16.80
KAR25			125	-4.26	89.3	3.19	1.80	18.80
KAR25			160	-11.35	90.6	4.78	0.00	21.10
KAR25			200	-16.34	91.9	6.88	0.00	22.80
MAA01	4 426	4 429						
MAA01			20	28.47	63.9	0.00	5.60	7.60
MAA01			25	25.59	67.8	0.09	5.40	8.30
MAA01			32	24.64	73.3	0.13	5.20	9.20
MAA01			40	22.05	76.9	0.22	5.00	10.30
MAA01			50	21.16	82.0	0.31	4.70	11.50
MAA01			63	16.39	83.3	0.49	4.30	13.00
MAA01			80	12.87	86.1	0.71	3.70	14.80
MAA01			100	11.07	90.8	1.11	3.00	16.80
MAA01			125	2.79	89.3	1.68	1.80	18.80
MAA01			160	-3.55	90.6	2.52	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA01			200	-7.56	91.9	3.63	0.00	22.80
MAA03	4 899	4 902						
MAA03			20	27.59	63.9	0.00	5.60	7.60
MAA03			25	24.70	67.8	0.10	5.40	8.30
MAA03			32	23.75	73.3	0.15	5.20	9.20
MAA03			40	21.15	76.9	0.25	5.00	10.30
MAA03			50	20.25	82.0	0.34	4.70	11.50
MAA03			63	15.45	83.3	0.54	4.30	13.00
MAA03			80	11.91	86.1	0.78	3.70	14.80
MAA03			100	10.07	90.8	1.23	3.00	16.80
MAA03			125	1.73	89.3	1.86	1.80	18.80
MAA03			160	-4.70	90.6	2.79	0.00	21.10
MAA03			200	-8.83	91.9	4.02	0.00	22.80
MAA04	6 096	6 098						
MAA04			20	25.70	63.9	0.00	5.60	7.60
MAA04			25	22.77	67.8	0.12	5.40	8.30
MAA04			32	21.81	73.3	0.18	5.20	9.20
MAA04			40	19.19	76.9	0.30	5.00	10.30
MAA04			50	18.27	82.0	0.43	4.70	11.50
MAA04			63	13.43	83.3	0.67	4.30	13.00
MAA04			80	9.82	86.1	0.98	3.70	14.80
MAA04			100	7.87	90.8	1.52	3.00	16.80
MAA04			125	-0.62	89.3	2.32	1.80	18.80
MAA04			160	-7.28	90.6	3.48	0.00	21.10
MAA04			200	-11.70	91.9	5.00	0.00	22.80
MAA05	5 486	5 488						
MAA05			20	26.61	63.9	0.00	5.60	7.60
MAA05			25	23.70	67.8	0.11	5.40	8.30
MAA05			32	22.75	73.3	0.16	5.20	9.20
MAA05			40	20.14	76.9	0.27	5.00	10.30
MAA05			50	19.23	82.0	0.38	4.70	11.50
MAA05			63	14.41	83.3	0.60	4.30	13.00
MAA05			80	10.83	86.1	0.88	3.70	14.80
MAA05			100	8.94	90.8	1.37	3.00	16.80
MAA05			125	0.53	89.3	2.09	1.80	18.80
MAA05			160	-6.02	90.6	3.13	0.00	21.10
MAA05			200	-10.29	91.9	4.50	0.00	22.80
MAA06	6 650	6 652						
MAA06			20	24.94	63.9	0.00	5.60	7.60
MAA06			25	22.01	67.8	0.13	5.40	8.30
MAA06			32	21.04	73.3	0.20	5.20	9.20
MAA06			40	18.41	76.9	0.33	5.00	10.30
MAA06			50	17.48	82.0	0.47	4.70	11.50
MAA06			63	12.61	83.3	0.73	4.30	13.00
MAA06			80	8.98	86.1	1.06	3.70	14.80
MAA06			100	6.98	90.8	1.66	3.00	16.80
MAA06			125	-1.59	89.3	2.53	1.80	18.80
MAA06			160	-8.35	90.6	3.79	0.00	21.10
MAA06			200	-12.91	91.9	5.45	0.00	22.80
MAA07	7 335	7 336						
MAA07			20	24.09	63.9	0.00	5.60	7.60
MAA07			25	21.14	67.8	0.15	5.40	8.30
MAA07			32	20.17	73.3	0.22	5.20	9.20
MAA07			40	17.52	76.9	0.37	5.00	10.30
MAA07			50	16.58	82.0	0.51	4.70	11.50
MAA07			63	11.68	83.3	0.81	4.30	13.00
MAA07			80	8.02	86.1	1.17	3.70	14.80
MAA07			100	5.96	90.8	1.83	3.00	16.80
MAA07			125	-2.70	89.3	2.79	1.80	18.80
MAA07			160	-9.59	90.6	4.18	0.00	21.10
MAA07			200	-14.33	91.9	6.02	0.00	22.80
MAA08	7 838	7 839						
MAA08			20	23.51	63.9	0.00	5.60	7.60
MAA08			25	20.56	67.8	0.16	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			32	19.58	73.3	0.24	5.20	9.20
MAA08			40	16.92	76.9	0.39	5.00	10.30
MAA08			50	15.97	82.0	0.55	4.70	11.50
MAA08			63	11.05	83.3	0.86	4.30	13.00
MAA08			80	7.36	86.1	1.25	3.70	14.80
MAA08			100	5.25	90.8	1.96	3.00	16.80
MAA08			125	-3.46	89.3	2.98	1.80	18.80
MAA08			160	-10.45	90.6	4.47	0.00	21.10
MAA08			200	-15.31	91.9	6.43	0.00	22.80
RAH01	2 830	2 835						
RAH01			20	30.50	62.0	0.00	5.60	7.60
RAH01			25	28.94	67.2	0.06	5.40	8.30
RAH01			32	27.31	72.0	0.09	5.20	9.20
RAH01			40	25.93	76.8	0.14	5.00	10.30
RAH01			50	24.38	81.2	0.20	4.70	11.50
RAH01			63	22.16	85.0	0.31	4.30	13.00
RAH01			80	19.22	88.3	0.45	3.70	14.80
RAH01			100	15.64	91.1	0.71	3.00	16.80
RAH01			125	11.27	93.3	1.08	1.80	18.80
RAH01			160	5.61	95.0	1.62	0.00	21.10
RAH01			200	1.83	96.1	2.32	0.00	22.80
RAH02	3 519	3 523						
RAH02			20	28.61	62.0	0.00	5.60	7.60
RAH02			25	27.04	67.2	0.07	5.40	8.30
RAH02			32	25.41	72.0	0.11	5.20	9.20
RAH02			40	24.01	76.8	0.18	5.00	10.30
RAH02			50	22.44	81.2	0.25	4.70	11.50
RAH02			63	20.20	85.0	0.39	4.30	13.00
RAH02			80	17.22	88.3	0.56	3.70	14.80
RAH02			100	13.58	91.1	0.88	3.00	16.80
RAH02			125	9.12	93.3	1.34	1.80	18.80
RAH02			160	3.33	95.0	2.01	0.00	21.10
RAH02			200	-0.63	96.1	2.89	0.00	22.80
RAH03	3 482	3 486						
RAH03			20	28.70	62.0	0.00	5.60	7.60
RAH03			25	27.13	67.2	0.07	5.40	8.30
RAH03			32	25.50	72.0	0.10	5.20	9.20
RAH03			40	24.10	76.8	0.17	5.00	10.30
RAH03			50	22.53	81.2	0.24	4.70	11.50
RAH03			63	20.29	85.0	0.38	4.30	13.00
RAH03			80	17.32	88.3	0.56	3.70	14.80
RAH03			100	13.68	91.1	0.87	3.00	16.80
RAH03			125	9.23	93.3	1.32	1.80	18.80
RAH03			160	3.44	95.0	1.99	0.00	21.10
RAH03			200	-0.51	96.1	2.86	0.00	22.80
RAH04	4 181	4 184						
RAH04			20	27.12	62.0	0.00	5.60	7.60
RAH04			25	25.53	67.2	0.08	5.40	8.30
RAH04			32	23.89	72.0	0.13	5.20	9.20
RAH04			40	22.48	76.8	0.21	5.00	10.30
RAH04			50	20.90	81.2	0.29	4.70	11.50
RAH04			63	18.63	85.0	0.46	4.30	13.00
RAH04			80	15.62	88.3	0.67	3.70	14.80
RAH04			100	11.92	91.1	1.05	3.00	16.80
RAH04			125	7.38	93.3	1.59	1.80	18.80
RAH04			160	1.46	95.0	2.38	0.00	21.10
RAH04			200	-2.66	96.1	3.43	0.00	22.80
RAH05	4 372	4 375						
RAH05			20	26.73	62.0	0.00	5.60	7.60
RAH05			25	25.14	67.2	0.09	5.40	8.30
RAH05			32	23.50	72.0	0.13	5.20	9.20
RAH05			40	22.09	76.8	0.22	5.00	10.30
RAH05			50	20.50	81.2	0.31	4.70	11.50
RAH05			63	18.22	85.0	0.48	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH05			80	15.20	88.3	0.70	3.70	14.80
RAH05			100	11.49	91.1	1.09	3.00	16.80
RAH05			125	6.92	93.3	1.66	1.80	18.80
RAH05			160	0.96	95.0	2.49	0.00	21.10
RAH05			200	-3.21	96.1	3.59	0.00	22.80
RAH06	4 998	5 001						
RAH06			20	25.57	62.0	0.00	5.60	7.60
RAH06			25	23.97	67.2	0.10	5.40	8.30
RAH06			32	22.32	72.0	0.15	5.20	9.20
RAH06			40	20.89	76.8	0.25	5.00	10.30
RAH06			50	19.29	81.2	0.35	4.70	11.50
RAH06			63	16.99	85.0	0.55	4.30	13.00
RAH06			80	13.94	88.3	0.80	3.70	14.80
RAH06			100	10.17	91.1	1.25	3.00	16.80
RAH06			125	5.52	93.3	1.90	1.80	18.80
RAH06			160	-0.56	95.0	2.85	0.00	21.10
RAH06			200	-4.88	96.1	4.10	0.00	22.80
RAH07	5 848	5 850						
RAH07			20	24.21	62.0	0.00	5.60	7.60
RAH07			25	22.59	67.2	0.12	5.40	8.30
RAH07			32	20.93	72.0	0.18	5.20	9.20
RAH07			40	19.49	76.8	0.29	5.00	10.30
RAH07			50	17.87	81.2	0.41	4.70	11.50
RAH07			63	15.54	85.0	0.64	4.30	13.00
RAH07			80	12.45	88.3	0.94	3.70	14.80
RAH07			100	8.59	91.1	1.46	3.00	16.80
RAH07			125	3.83	93.3	2.22	1.80	18.80
RAH07			160	-2.40	95.0	3.33	0.00	21.10
RAH07			200	-6.94	96.1	4.80	0.00	22.80
RAH08	5 171	5 174						
RAH08			20	25.27	62.0	0.00	5.60	7.60
RAH08			25	23.67	67.2	0.10	5.40	8.30
RAH08			32	22.02	72.0	0.16	5.20	9.20
RAH08			40	20.59	76.8	0.26	5.00	10.30
RAH08			50	18.99	81.2	0.36	4.70	11.50
RAH08			63	16.68	85.0	0.57	4.30	13.00
RAH08			80	13.62	88.3	0.83	3.70	14.80
RAH08			100	9.83	91.1	1.29	3.00	16.80
RAH08			125	5.16	93.3	1.97	1.80	18.80
RAH08			160	-0.95	95.0	2.95	0.00	21.10
RAH08			200	-5.32	96.1	4.24	0.00	22.80
RAH09	5 138	5 140						
RAH09			20	25.33	62.0	0.00	5.60	7.60
RAH09			25	23.73	67.2	0.10	5.40	8.30
RAH09			32	22.07	72.0	0.15	5.20	9.20
RAH09			40	20.65	76.8	0.26	5.00	10.30
RAH09			50	19.04	81.2	0.36	4.70	11.50
RAH09			63	16.74	85.0	0.57	4.30	13.00
RAH09			80	13.68	88.3	0.82	3.70	14.80
RAH09			100	9.90	91.1	1.29	3.00	16.80
RAH09			125	5.23	93.3	1.95	1.80	18.80
RAH09			160	-0.87	95.0	2.93	0.00	21.10
RAH09			200	-5.23	96.1	4.21	0.00	22.80
RAH10	4 448	4 451						
RAH10			20	26.58	62.0	0.00	5.60	7.60
RAH10			25	24.99	67.2	0.09	5.40	8.30
RAH10			32	23.35	72.0	0.13	5.20	9.20
RAH10			40	21.93	76.8	0.22	5.00	10.30
RAH10			50	20.34	81.2	0.31	4.70	11.50
RAH10			63	18.07	85.0	0.49	4.30	13.00
RAH10			80	15.04	88.3	0.71	3.70	14.80
RAH10			100	11.32	91.1	1.11	3.00	16.80
RAH10			125	6.74	93.3	1.69	1.80	18.80
RAH10			160	0.77	95.0	2.54	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH10			200	-3.42	96.1	3.65	0.00	22.80
RAH11	2 743	2 748						
RAH11			20	30.77	62.0	0.00	5.60	7.60
RAH11			25	29.21	67.2	0.05	5.40	8.30
RAH11			32	27.58	72.0	0.08	5.20	9.20
RAH11			40	26.21	76.8	0.14	5.00	10.30
RAH11			50	24.65	81.2	0.19	4.70	11.50
RAH11			63	22.44	85.0	0.30	4.30	13.00
RAH11			80	19.50	88.3	0.44	3.70	14.80
RAH11			100	15.93	91.1	0.69	3.00	16.80
RAH11			125	11.57	93.3	1.04	1.80	18.80
RAH11			160	5.93	95.0	1.57	0.00	21.10
RAH11			200	2.17	96.1	2.25	0.00	22.80
RAH12	2 012	2 019						
RAH12			20	33.45	62.0	0.00	5.60	7.60
RAH12			25	31.90	67.2	0.04	5.40	8.30
RAH12			32	30.28	72.0	0.06	5.20	9.20
RAH12			40	28.92	76.8	0.10	5.00	10.30
RAH12			50	27.38	81.2	0.14	4.70	11.50
RAH12			63	25.20	85.0	0.22	4.30	13.00
RAH12			80	22.30	88.3	0.32	3.70	14.80
RAH12			100	18.79	91.1	0.50	3.00	16.80
RAH12			125	14.53	93.3	0.77	1.80	18.80
RAH12			160	9.02	95.0	1.15	0.00	21.10
RAH12			200	5.44	96.1	1.66	0.00	22.80
RAH13	2 273	2 279						
RAH13			20	32.39	62.0	0.00	5.60	7.60
RAH13			25	30.85	67.2	0.05	5.40	8.30
RAH13			32	29.23	72.0	0.07	5.20	9.20
RAH13			40	27.86	76.8	0.11	5.00	10.30
RAH13			50	26.31	81.2	0.16	4.70	11.50
RAH13			63	24.12	85.0	0.25	4.30	13.00
RAH13			80	21.20	88.3	0.36	3.70	14.80
RAH13			100	17.68	91.1	0.57	3.00	16.80
RAH13			125	13.38	93.3	0.87	1.80	18.80
RAH13			160	7.82	95.0	1.30	0.00	21.10
RAH13			200	4.18	96.1	1.87	0.00	22.80
RAH14	2 891	2 896						
RAH14			20	30.31	62.0	0.00	5.60	7.60
RAH14			25	28.75	67.2	0.06	5.40	8.30
RAH14			32	27.13	72.0	0.09	5.20	9.20
RAH14			40	25.74	76.8	0.14	5.00	10.30
RAH14			50	24.19	81.2	0.20	4.70	11.50
RAH14			63	21.97	85.0	0.32	4.30	13.00
RAH14			80	19.02	88.3	0.46	3.70	14.80
RAH14			100	15.44	91.1	0.72	3.00	16.80
RAH14			125	11.06	93.3	1.10	1.80	18.80
RAH14			160	5.39	95.0	1.65	0.00	21.10
RAH14			200	1.59	96.1	2.37	0.00	22.80
RAH15	2 923	2 929						
RAH15			20	30.22	62.0	0.00	5.60	7.60
RAH15			25	28.66	67.2	0.06	5.40	8.30
RAH15			32	27.03	72.0	0.09	5.20	9.20
RAH15			40	25.64	76.8	0.15	5.00	10.30
RAH15			50	24.09	81.2	0.21	4.70	11.50
RAH15			63	21.87	85.0	0.32	4.30	13.00
RAH15			80	18.92	88.3	0.47	3.70	14.80
RAH15			100	15.33	91.1	0.73	3.00	16.80
RAH15			125	10.95	93.3	1.11	1.80	18.80
RAH15			160	5.27	95.0	1.67	0.00	21.10
RAH15			200	1.47	96.1	2.40	0.00	22.80
RAH16	2 011	2 018						
RAH16			20	33.45	62.0	0.00	5.60	7.60
RAH16			25	31.91	67.2	0.04	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			32	30.29	72.0	0.06	5.20	9.20
RAH16			40	28.93	76.8	0.10	5.00	10.30
RAH16			50	27.38	81.2	0.14	4.70	11.50
RAH16			63	25.20	85.0	0.22	4.30	13.00
RAH16			80	22.30	88.3	0.32	3.70	14.80
RAH16			100	18.80	91.1	0.50	3.00	16.80
RAH16			125	14.53	93.3	0.77	1.80	18.80
RAH16			160	9.03	95.0	1.15	0.00	21.10
RAH16			200	5.45	96.1	1.65	0.00	22.80
RAH17	4 253	4 257						
RAH17			20	26.97	62.0	0.00	5.60	7.60
RAH17			25	25.38	67.2	0.09	5.40	8.30
RAH17			32	23.74	72.0	0.13	5.20	9.20
RAH17			40	22.33	76.8	0.21	5.00	10.30
RAH17			50	20.74	81.2	0.30	4.70	11.50
RAH17			63	18.47	85.0	0.47	4.30	13.00
RAH17			80	15.46	88.3	0.68	3.70	14.80
RAH17			100	11.75	91.1	1.06	3.00	16.80
RAH17			125	7.20	93.3	1.62	1.80	18.80
RAH17			160	1.27	95.0	2.43	0.00	21.10
RAH17			200	-2.87	96.1	3.49	0.00	22.80
RAH18	3 755	3 759						
RAH18			20	28.05	62.0	0.00	5.60	7.60
RAH18			25	26.47	67.2	0.08	5.40	8.30
RAH18			32	24.83	72.0	0.11	5.20	9.20
RAH18			40	23.43	76.8	0.19	5.00	10.30
RAH18			50	21.86	81.2	0.26	4.70	11.50
RAH18			63	19.61	85.0	0.41	4.30	13.00
RAH18			80	16.62	88.3	0.60	3.70	14.80
RAH18			100	12.96	91.1	0.94	3.00	16.80
RAH18			125	8.47	93.3	1.43	1.80	18.80
RAH18			160	2.63	95.0	2.14	0.00	21.10
RAH18			200	-1.39	96.1	3.08	0.00	22.80
RAH19	4 751	4 755						
RAH19			20	26.01	62.0	0.00	5.60	7.60
RAH19			25	24.41	67.2	0.10	5.40	8.30
RAH19			32	22.76	72.0	0.14	5.20	9.20
RAH19			40	21.34	76.8	0.24	5.00	10.30
RAH19			50	19.75	81.2	0.33	4.70	11.50
RAH19			63	17.46	85.0	0.52	4.30	13.00
RAH19			80	14.42	88.3	0.76	3.70	14.80
RAH19			100	10.67	91.1	1.19	3.00	16.80
RAH19			125	6.05	93.3	1.81	1.80	18.80
RAH19			160	0.02	95.0	2.71	0.00	21.10
RAH19			200	-4.24	96.1	3.90	0.00	22.80
SIL01	7 452	7 454						
SIL01			20	23.38	63.3	0.00	5.60	7.60
SIL01			25	21.62	68.4	0.15	5.40	8.30
SIL01			32	15.66	68.9	0.22	5.20	9.20
SIL01			40	12.60	72.1	0.37	5.00	10.30
SIL01			50	11.25	76.8	0.52	4.70	11.50
SIL01			63	8.04	79.8	0.82	4.30	13.00
SIL01			80	4.37	82.6	1.19	3.70	14.80
SIL01			100	1.02	86.0	1.86	3.00	16.80
SIL01			125	-2.89	89.3	2.83	1.80	18.80
SIL01			160	-12.21	88.2	4.25	0.00	21.10
SIL01			200	-16.47	90.0	6.11	0.00	22.80
SIL02	7 494	7 496						
SIL02			20	23.33	63.3	0.00	5.60	7.60
SIL02			25	21.57	68.4	0.15	5.40	8.30
SIL02			32	15.61	68.9	0.22	5.20	9.20
SIL02			40	12.55	72.1	0.37	5.00	10.30
SIL02			50	11.20	76.8	0.52	4.70	11.50
SIL02			63	7.98	79.8	0.82	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL02			80	4.32	82.6	1.20	3.70	14.80
SIL02			100	0.96	86.0	1.87	3.00	16.80
SIL02			125	-2.96	89.3	2.85	1.80	18.80
SIL02			160	-12.29	88.2	4.27	0.00	21.10
SIL02			200	-16.56	90.0	6.15	0.00	22.80
SIL03	7 354	7 356						
SIL03			20	23.49	63.3	0.00	5.60	7.60
SIL03			25	21.74	68.4	0.15	5.40	8.30
SIL03			32	15.78	68.9	0.22	5.20	9.20
SIL03			40	12.72	72.1	0.37	5.00	10.30
SIL03			50	11.38	76.8	0.51	4.70	11.50
SIL03			63	8.16	79.8	0.81	4.30	13.00
SIL03			80	4.50	82.6	1.18	3.70	14.80
SIL03			100	1.16	86.0	1.84	3.00	16.80
SIL03			125	-2.74	89.3	2.80	1.80	18.80
SIL03			160	-12.04	88.2	4.19	0.00	21.10
SIL03			200	-16.28	90.0	6.03	0.00	22.80
SIL04	6 919	6 921						
SIL04			20	24.02	63.3	0.00	5.60	7.60
SIL04			25	22.28	68.4	0.14	5.40	8.30
SIL04			32	16.32	68.9	0.21	5.20	9.20
SIL04			40	13.27	72.1	0.35	5.00	10.30
SIL04			50	11.94	76.8	0.48	4.70	11.50
SIL04			63	8.74	79.8	0.76	4.30	13.00
SIL04			80	5.10	82.6	1.11	3.70	14.80
SIL04			100	1.80	86.0	1.73	3.00	16.80
SIL04			125	-2.04	89.3	2.63	1.80	18.80
SIL04			160	-11.27	88.2	3.94	0.00	21.10
SIL04			200	-15.39	90.0	5.68	0.00	22.80
SIL05	6 871	6 873						
SIL05			20	24.08	63.3	0.00	5.60	7.60
SIL05			25	22.34	68.4	0.14	5.40	8.30
SIL05			32	16.38	68.9	0.21	5.20	9.20
SIL05			40	13.34	72.1	0.34	5.00	10.30
SIL05			50	12.00	76.8	0.48	4.70	11.50
SIL05			63	8.81	79.8	0.76	4.30	13.00
SIL05			80	5.17	82.6	1.10	3.70	14.80
SIL05			100	1.87	86.0	1.72	3.00	16.80
SIL05			125	-1.97	89.3	2.61	1.80	18.80
SIL05			160	-11.18	88.2	3.92	0.00	21.10
SIL05			200	-15.29	90.0	5.64	0.00	22.80
SIL06	6 920	6 922						
SIL06			20	24.02	63.3	0.00	5.60	7.60
SIL06			25	22.27	68.4	0.14	5.40	8.30
SIL06			32	16.32	68.9	0.21	5.20	9.20
SIL06			40	13.27	72.1	0.35	5.00	10.30
SIL06			50	11.93	76.8	0.48	4.70	11.50
SIL06			63	8.74	79.8	0.76	4.30	13.00
SIL06			80	5.10	82.6	1.11	3.70	14.80
SIL06			100	1.79	86.0	1.73	3.00	16.80
SIL06			125	-2.05	89.3	2.63	1.80	18.80
SIL06			160	-11.27	88.2	3.95	0.00	21.10
SIL06			200	-15.39	90.0	5.68	0.00	22.80
SIL07	6 390	6 392						
SIL07			20	24.71	63.3	0.00	5.60	7.60
SIL07			25	22.98	68.4	0.13	5.40	8.30
SIL07			32	17.02	68.9	0.19	5.20	9.20
SIL07			40	13.99	72.1	0.32	5.00	10.30
SIL07			50	12.66	76.8	0.45	4.70	11.50
SIL07			63	9.49	79.8	0.70	4.30	13.00
SIL07			80	5.88	82.6	1.02	3.70	14.80
SIL07			100	2.62	86.0	1.60	3.00	16.80
SIL07			125	-1.15	89.3	2.43	1.80	18.80
SIL07			160	-10.27	88.2	3.64	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL07			200	-14.27	90.0	5.24	0.00	22.80
SIL08	6 267	6 269						
SIL08			20	24.88	63.3	0.00	5.60	7.60
SIL08			25	23.15	68.4	0.13	5.40	8.30
SIL08			32	17.20	68.9	0.19	5.20	9.20
SIL08			40	14.17	72.1	0.31	5.00	10.30
SIL08			50	12.84	76.8	0.44	4.70	11.50
SIL08			63	9.67	79.8	0.69	4.30	13.00
SIL08			80	6.06	82.6	1.00	3.70	14.80
SIL08			100	2.82	86.0	1.57	3.00	16.80
SIL08			125	-0.94	89.3	2.38	1.80	18.80
SIL08			160	-10.04	88.2	3.57	0.00	21.10
SIL08			200	-14.00	90.0	5.14	0.00	22.80
Sum								
Sum			20	43.90				
Sum			25	42.01				
Sum			32	40.28				
Sum			40	38.58				
Sum			50	37.15				
Sum			63	34.46				
Sum			80	31.41				
Sum			100	28.01				
Sum			125	23.21				
Sum			160	17.40				
Sum			200	13.56				

Noise sensitive area: E Noise sensitive point: Finnish normal frequency - User defined (35)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	9 828	9 829						
KAR01			20	21.55	63.9	0.00	5.60	7.60
KAR01			25	18.55	67.8	0.20	5.40	8.30
KAR01			32	17.55	73.3	0.29	5.20	9.20
KAR01			40	14.86	76.9	0.49	5.00	10.30
KAR01			50	13.86	82.0	0.69	4.70	11.50
KAR01			63	8.87	83.3	1.08	4.30	13.00
KAR01			80	5.08	86.1	1.57	3.70	14.80
KAR01			100	2.79	90.8	2.46	3.00	16.80
KAR01			125	-6.19	89.3	3.74	1.80	18.80
KAR01			160	-13.55	90.6	5.60	0.00	21.10
KAR01			200	-18.91	91.9	8.06	0.00	22.80
KAR02	10 801	10 803						
KAR02			20	20.73	63.9	0.00	5.60	7.60
KAR02			25	17.71	67.8	0.22	5.40	8.30
KAR02			32	16.71	73.3	0.32	5.20	9.20
KAR02			40	13.99	76.9	0.54	5.00	10.30
KAR02			50	12.97	82.0	0.76	4.70	11.50
KAR02			63	7.94	83.3	1.19	4.30	13.00
KAR02			80	4.10	86.1	1.73	3.70	14.80
KAR02			100	1.73	90.8	2.70	3.00	16.80
KAR02			125	-7.38	89.3	4.11	1.80	18.80
KAR02			160	-14.93	90.6	6.16	0.00	21.10
KAR02			200	-20.53	91.9	8.86	0.00	22.80
KAR03	10 512	10 514						
KAR03			20	20.96	63.9	0.00	5.60	7.60
KAR03			25	17.95	67.8	0.21	5.40	8.30
KAR03			32	16.95	73.3	0.32	5.20	9.20
KAR03			40	14.24	76.9	0.53	5.00	10.30
KAR03			50	13.23	82.0	0.74	4.70	11.50
KAR03			63	8.21	83.3	1.16	4.30	13.00
KAR03			80	4.38	86.1	1.68	3.70	14.80
KAR03			100	2.04	90.8	2.63	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR03			125	-7.03	89.3	4.00	1.80	18.80
KAR03			160	-14.53	90.6	5.99	0.00	21.10
KAR03			200	-20.06	91.9	8.62	0.00	22.80
KAR04	10 379	10 381						
KAR04			20	21.08	63.9	0.00	5.60	7.60
KAR04			25	18.07	67.8	0.21	5.40	8.30
KAR04			32	17.06	73.3	0.31	5.20	9.20
KAR04			40	14.36	76.9	0.52	5.00	10.30
KAR04			50	13.35	82.0	0.73	4.70	11.50
KAR04			63	8.33	83.3	1.14	4.30	13.00
KAR04			80	4.51	86.1	1.66	3.70	14.80
KAR04			100	2.18	90.8	2.60	3.00	16.80
KAR04			125	-6.87	89.3	3.94	1.80	18.80
KAR04			160	-14.34	90.6	5.92	0.00	21.10
KAR04			200	-19.84	91.9	8.51	0.00	22.80
KAR05	10 233	10 235						
KAR05			20	21.20	63.9	0.00	5.60	7.60
KAR05			25	18.19	67.8	0.20	5.40	8.30
KAR05			32	17.19	73.3	0.31	5.20	9.20
KAR05			40	14.49	76.9	0.51	5.00	10.30
KAR05			50	13.48	82.0	0.72	4.70	11.50
KAR05			63	8.47	83.3	1.13	4.30	13.00
KAR05			80	4.66	86.1	1.64	3.70	14.80
KAR05			100	2.34	90.8	2.56	3.00	16.80
KAR05			125	-6.69	89.3	3.89	1.80	18.80
KAR05			160	-14.14	90.6	5.83	0.00	21.10
KAR05			200	-19.59	91.9	8.39	0.00	22.80
KAR06	11 183	11 185						
KAR06			20	20.43	63.9	0.00	5.60	7.60
KAR06			25	17.40	67.8	0.22	5.40	8.30
KAR06			32	16.39	73.3	0.34	5.20	9.20
KAR06			40	13.67	76.9	0.56	5.00	10.30
KAR06			50	12.64	82.0	0.78	4.70	11.50
KAR06			63	7.60	83.3	1.23	4.30	13.00
KAR06			80	3.74	86.1	1.79	3.70	14.80
KAR06			100	1.33	90.8	2.80	3.00	16.80
KAR06			125	-7.82	89.3	4.25	1.80	18.80
KAR06			160	-15.45	90.6	6.38	0.00	21.10
KAR06			200	-21.14	91.9	9.17	0.00	22.80
KAR07	11 725	11 727						
KAR07			20	20.02	63.9	0.00	5.60	7.60
KAR07			25	16.98	67.8	0.23	5.40	8.30
KAR07			32	15.96	73.3	0.35	5.20	9.20
KAR07			40	13.23	76.9	0.59	5.00	10.30
KAR07			50	12.20	82.0	0.82	4.70	11.50
KAR07			63	7.13	83.3	1.29	4.30	13.00
KAR07			80	3.24	86.1	1.88	3.70	14.80
KAR07			100	0.78	90.8	2.93	3.00	16.80
KAR07			125	-8.44	89.3	4.46	1.80	18.80
KAR07			160	-16.17	90.6	6.68	0.00	21.10
KAR07			200	-22.00	91.9	9.62	0.00	22.80
KAR08	12 330	12 331						
KAR08			20	19.58	63.9	0.00	5.60	7.60
KAR08			25	16.53	67.8	0.25	5.40	8.30
KAR08			32	15.51	73.3	0.37	5.20	9.20
KAR08			40	12.76	76.9	0.62	5.00	10.30
KAR08			50	11.72	82.0	0.86	4.70	11.50
KAR08			63	6.62	83.3	1.36	4.30	13.00
KAR08			80	2.71	86.1	1.97	3.70	14.80
KAR08			100	0.20	90.8	3.08	3.00	16.80
KAR08			125	-9.11	89.3	4.69	1.80	18.80
KAR08			160	-16.95	90.6	7.03	0.00	21.10
KAR08			200	-22.93	91.9	10.11	0.00	22.80
KAR09	10 847	10 849						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			20	20.69	63.9	0.00	5.60	7.60
KAR09			25	17.68	67.8	0.22	5.40	8.30
KAR09			32	16.67	73.3	0.33	5.20	9.20
KAR09			40	13.95	76.9	0.54	5.00	10.30
KAR09			50	12.93	82.0	0.76	4.70	11.50
KAR09			63	7.90	83.3	1.19	4.30	13.00
KAR09			80	4.06	86.1	1.74	3.70	14.80
KAR09			100	1.68	90.8	2.71	3.00	16.80
KAR09			125	-7.43	89.3	4.12	1.80	18.80
KAR09			160	-14.99	90.6	6.18	0.00	21.10
KAR09			200	-20.60	91.9	8.90	0.00	22.80
KAR10	11 172	11 174						
KAR10			20	20.44	63.9	0.00	5.60	7.60
KAR10			25	17.41	67.8	0.22	5.40	8.30
KAR10			32	16.40	73.3	0.34	5.20	9.20
KAR10			40	13.68	76.9	0.56	5.00	10.30
KAR10			50	12.65	82.0	0.78	4.70	11.50
KAR10			63	7.61	83.3	1.23	4.30	13.00
KAR10			80	3.75	86.1	1.79	3.70	14.80
KAR10			100	1.34	90.8	2.79	3.00	16.80
KAR10			125	-7.81	89.3	4.25	1.80	18.80
KAR10			160	-15.43	90.6	6.37	0.00	21.10
KAR10			200	-21.13	91.9	9.16	0.00	22.80
KAR11	11 939	11 940						
KAR11			20	19.86	63.9	0.00	5.60	7.60
KAR11			25	16.82	67.8	0.24	5.40	8.30
KAR11			32	15.80	73.3	0.36	5.20	9.20
KAR11			40	13.06	76.9	0.60	5.00	10.30
KAR11			50	12.02	82.0	0.84	4.70	11.50
KAR11			63	6.95	83.3	1.31	4.30	13.00
KAR11			80	3.05	86.1	1.91	3.70	14.80
KAR11			100	0.57	90.8	2.99	3.00	16.80
KAR11			125	-8.68	89.3	4.54	1.80	18.80
KAR11			160	-16.45	90.6	6.81	0.00	21.10
KAR11			200	-22.33	91.9	9.79	0.00	22.80
KAR12	11 893	11 894						
KAR12			20	19.89	63.9	0.00	5.60	7.60
KAR12			25	16.86	67.8	0.24	5.40	8.30
KAR12			32	15.84	73.3	0.36	5.20	9.20
KAR12			40	13.10	76.9	0.59	5.00	10.30
KAR12			50	12.06	82.0	0.83	4.70	11.50
KAR12			63	6.98	83.3	1.31	4.30	13.00
KAR12			80	3.09	86.1	1.90	3.70	14.80
KAR12			100	0.62	90.8	2.97	3.00	16.80
KAR12			125	-8.63	89.3	4.52	1.80	18.80
KAR12			160	-16.39	90.6	6.78	0.00	21.10
KAR12			200	-22.26	91.9	9.75	0.00	22.80
KAR13	12 517	12 518						
KAR13			20	19.45	63.9	0.00	5.60	7.60
KAR13			25	16.40	67.8	0.25	5.40	8.30
KAR13			32	15.37	73.3	0.38	5.20	9.20
KAR13			40	12.62	76.9	0.63	5.00	10.30
KAR13			50	11.57	82.0	0.88	4.70	11.50
KAR13			63	6.47	83.3	1.38	4.30	13.00
KAR13			80	2.55	86.1	2.00	3.70	14.80
KAR13			100	0.02	90.8	3.13	3.00	16.80
KAR13			125	-9.31	89.3	4.76	1.80	18.80
KAR13			160	-17.19	90.6	7.14	0.00	21.10
KAR13			200	-23.22	91.9	10.27	0.00	22.80
KAR14	11 779	11 781						
KAR14			20	19.98	63.9	0.00	5.60	7.60
KAR14			25	16.94	67.8	0.24	5.40	8.30
KAR14			32	15.92	73.3	0.35	5.20	9.20
KAR14			40	13.19	76.9	0.59	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR14			50	12.15	82.0	0.82	4.70	11.50
KAR14			63	7.08	83.3	1.30	4.30	13.00
KAR14			80	3.19	86.1	1.88	3.70	14.80
KAR14			100	0.73	90.8	2.95	3.00	16.80
KAR14			125	-8.50	89.3	4.48	1.80	18.80
KAR14			160	-16.24	90.6	6.72	0.00	21.10
KAR14			200	-22.08	91.9	9.66	0.00	22.80
KAR15	12 937	12 938						
KAR15			20	19.16	63.9	0.00	5.60	7.60
KAR15			25	16.10	67.8	0.26	5.40	8.30
KAR15			32	15.07	73.3	0.39	5.20	9.20
KAR15			40	12.32	76.9	0.65	5.00	10.30
KAR15			50	11.26	82.0	0.91	4.70	11.50
KAR15			63	6.14	83.3	1.42	4.30	13.00
KAR15			80	2.19	86.1	2.07	3.70	14.80
KAR15			100	-0.37	90.8	3.23	3.00	16.80
KAR15			125	-9.75	89.3	4.92	1.80	18.80
KAR15			160	-17.71	90.6	7.37	0.00	21.10
KAR15			200	-23.85	91.9	10.61	0.00	22.80
KAR16	12 459	12 460						
KAR16			20	19.49	63.9	0.00	5.60	7.60
KAR16			25	16.44	67.8	0.25	5.40	8.30
KAR16			32	15.42	73.3	0.37	5.20	9.20
KAR16			40	12.67	76.9	0.62	5.00	10.30
KAR16			50	11.62	82.0	0.87	4.70	11.50
KAR16			63	6.52	83.3	1.37	4.30	13.00
KAR16			80	2.60	86.1	1.99	3.70	14.80
KAR16			100	0.07	90.8	3.12	3.00	16.80
KAR16			125	-9.25	89.3	4.73	1.80	18.80
KAR16			160	-17.11	90.6	7.10	0.00	21.10
KAR16			200	-23.13	91.9	10.22	0.00	22.80
KAR17	12 875	12 877						
KAR17			20	19.20	63.9	0.00	5.60	7.60
KAR17			25	16.15	67.8	0.26	5.40	8.30
KAR17			32	15.12	73.3	0.39	5.20	9.20
KAR17			40	12.36	76.9	0.64	5.00	10.30
KAR17			50	11.30	82.0	0.90	4.70	11.50
KAR17			63	6.19	83.3	1.42	4.30	13.00
KAR17			80	2.24	86.1	2.06	3.70	14.80
KAR17			100	-0.32	90.8	3.22	3.00	16.80
KAR17			125	-9.69	89.3	4.89	1.80	18.80
KAR17			160	-17.64	90.6	7.34	0.00	21.10
KAR17			200	-23.75	91.9	10.56	0.00	22.80
KAR18	12 326	12 328						
KAR18			20	19.58	63.9	0.00	5.60	7.60
KAR18			25	16.54	67.8	0.25	5.40	8.30
KAR18			32	15.51	73.3	0.37	5.20	9.20
KAR18			40	12.77	76.9	0.62	5.00	10.30
KAR18			50	11.72	82.0	0.86	4.70	11.50
KAR18			63	6.63	83.3	1.36	4.30	13.00
KAR18			80	2.71	86.1	1.97	3.70	14.80
KAR18			100	0.20	90.8	3.08	3.00	16.80
KAR18			125	-9.10	89.3	4.68	1.80	18.80
KAR18			160	-16.94	90.6	7.03	0.00	21.10
KAR18			200	-22.93	91.9	10.11	0.00	22.80
KAR19	13 701	13 702						
KAR19			20	18.66	63.9	0.00	5.60	7.60
KAR19			25	15.59	67.8	0.27	5.40	8.30
KAR19			32	14.55	73.3	0.41	5.20	9.20
KAR19			40	11.78	76.9	0.69	5.00	10.30
KAR19			50	10.71	82.0	0.96	4.70	11.50
KAR19			63	5.56	83.3	1.51	4.30	13.00
KAR19			80	1.57	86.1	2.19	3.70	14.80
KAR19			100	-1.06	90.8	3.43	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR19			125	-10.54	89.3	5.21	1.80	18.80
KAR19			160	-18.65	90.6	7.81	0.00	21.10
KAR19			200	-24.97	91.9	11.24	0.00	22.80
KAR20	13 155	13 156						
KAR20			20	19.02	63.9	0.00	5.60	7.60
KAR20			25	15.95	67.8	0.26	5.40	8.30
KAR20			32	14.92	73.3	0.39	5.20	9.20
KAR20			40	12.16	76.9	0.66	5.00	10.30
KAR20			50	11.10	82.0	0.92	4.70	11.50
KAR20			63	5.97	83.3	1.45	4.30	13.00
KAR20			80	2.01	86.1	2.11	3.70	14.80
KAR20			100	-0.57	90.8	3.29	3.00	16.80
KAR20			125	-9.98	89.3	5.00	1.80	18.80
KAR20			160	-17.98	90.6	7.50	0.00	21.10
KAR20			200	-24.17	91.9	10.79	0.00	22.80
KAR21	13 535	13 536						
KAR21			20	18.77	63.9	0.00	5.60	7.60
KAR21			25	15.70	67.8	0.27	5.40	8.30
KAR21			32	14.66	73.3	0.41	5.20	9.20
KAR21			40	11.89	76.9	0.68	5.00	10.30
KAR21			50	10.82	82.0	0.95	4.70	11.50
KAR21			63	5.68	83.3	1.49	4.30	13.00
KAR21			80	1.70	86.1	2.17	3.70	14.80
KAR21			100	-0.91	90.8	3.38	3.00	16.80
KAR21			125	-10.37	89.3	5.14	1.80	18.80
KAR21			160	-18.45	90.6	7.72	0.00	21.10
KAR21			200	-24.73	91.9	11.10	0.00	22.80
KAR22	13 952	13 954						
KAR22			20	18.51	63.9	0.00	5.60	7.60
KAR22			25	15.43	67.8	0.28	5.40	8.30
KAR22			32	14.39	73.3	0.42	5.20	9.20
KAR22			40	11.61	76.9	0.70	5.00	10.30
KAR22			50	10.53	82.0	0.98	4.70	11.50
KAR22			63	5.37	83.3	1.53	4.30	13.00
KAR22			80	1.37	86.1	2.23	3.70	14.80
KAR22			100	-1.28	90.8	3.49	3.00	16.80
KAR22			125	-10.80	89.3	5.30	1.80	18.80
KAR22			160	-18.95	90.6	7.95	0.00	21.10
KAR22			200	-25.34	91.9	11.44	0.00	22.80
KAR23	14 271	14 272						
KAR23			20	18.31	63.9	0.00	5.60	7.60
KAR23			25	15.22	67.8	0.29	5.40	8.30
KAR23			32	14.18	73.3	0.43	5.20	9.20
KAR23			40	11.40	76.9	0.71	5.00	10.30
KAR23			50	10.31	82.0	1.00	4.70	11.50
KAR23			63	5.14	83.3	1.57	4.30	13.00
KAR23			80	1.13	86.1	2.28	3.70	14.80
KAR23			100	-1.56	90.8	3.57	3.00	16.80
KAR23			125	-11.11	89.3	5.42	1.80	18.80
KAR23			160	-19.33	90.6	8.14	0.00	21.10
KAR23			200	-25.79	91.9	11.70	0.00	22.80
KAR24	9 365	9 367						
KAR24			20	21.97	63.9	0.00	5.60	7.60
KAR24			25	18.98	67.8	0.19	5.40	8.30
KAR24			32	17.99	73.3	0.28	5.20	9.20
KAR24			40	15.30	76.9	0.47	5.00	10.30
KAR24			50	14.31	82.0	0.66	4.70	11.50
KAR24			63	9.34	83.3	1.03	4.30	13.00
KAR24			80	5.57	86.1	1.50	3.70	14.80
KAR24			100	3.33	90.8	2.34	3.00	16.80
KAR24			125	-5.59	89.3	3.56	1.80	18.80
KAR24			160	-12.87	90.6	5.34	0.00	21.10
KAR24			200	-18.11	91.9	7.68	0.00	22.80
KAR25	10 226	10 228						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			20	21.20	63.9	0.00	5.60	7.60
KAR25			25	18.20	67.8	0.20	5.40	8.30
KAR25			32	17.20	73.3	0.31	5.20	9.20
KAR25			40	14.49	76.9	0.51	5.00	10.30
KAR25			50	13.49	82.0	0.72	4.70	11.50
KAR25			63	8.48	83.3	1.13	4.30	13.00
KAR25			80	4.67	86.1	1.64	3.70	14.80
KAR25			100	2.35	90.8	2.56	3.00	16.80
KAR25			125	-6.68	89.3	3.89	1.80	18.80
KAR25			160	-14.13	90.6	5.83	0.00	21.10
KAR25			200	-19.58	91.9	8.39	0.00	22.80
MAA01	8 960	8 961						
MAA01			20	22.35	63.9	0.00	5.60	7.60
MAA01			25	19.37	67.8	0.18	5.40	8.30
MAA01			32	18.38	73.3	0.27	5.20	9.20
MAA01			40	15.70	76.9	0.45	5.00	10.30
MAA01			50	14.73	82.0	0.63	4.70	11.50
MAA01			63	9.77	83.3	0.99	4.30	13.00
MAA01			80	6.02	86.1	1.43	3.70	14.80
MAA01			100	3.81	90.8	2.24	3.00	16.80
MAA01			125	-5.05	89.3	3.41	1.80	18.80
MAA01			160	-12.26	90.6	5.11	0.00	21.10
MAA01			200	-17.40	91.9	7.35	0.00	22.80
MAA03	9 676	9 677						
MAA03			20	21.68	63.9	0.00	5.60	7.60
MAA03			25	18.69	67.8	0.19	5.40	8.30
MAA03			32	17.69	73.3	0.29	5.20	9.20
MAA03			40	15.00	76.9	0.48	5.00	10.30
MAA03			50	14.01	82.0	0.68	4.70	11.50
MAA03			63	9.02	83.3	1.06	4.30	13.00
MAA03			80	5.24	86.1	1.55	3.70	14.80
MAA03			100	2.97	90.8	2.42	3.00	16.80
MAA03			125	-5.99	89.3	3.68	1.80	18.80
MAA03			160	-13.33	90.6	5.52	0.00	21.10
MAA03			200	-18.65	91.9	7.94	0.00	22.80
MAA04	10 571	10 572						
MAA04			20	20.92	63.9	0.00	5.60	7.60
MAA04			25	17.91	67.8	0.21	5.40	8.30
MAA04			32	16.90	73.3	0.32	5.20	9.20
MAA04			40	14.19	76.9	0.53	5.00	10.30
MAA04			50	13.18	82.0	0.74	4.70	11.50
MAA04			63	8.15	83.3	1.16	4.30	13.00
MAA04			80	4.33	86.1	1.69	3.70	14.80
MAA04			100	1.97	90.8	2.64	3.00	16.80
MAA04			125	-7.10	89.3	4.02	1.80	18.80
MAA04			160	-14.61	90.6	6.03	0.00	21.10
MAA04			200	-20.15	91.9	8.67	0.00	22.80
MAA05	10 395	10 396						
MAA05			20	21.06	63.9	0.00	5.60	7.60
MAA05			25	18.05	67.8	0.21	5.40	8.30
MAA05			32	17.05	73.3	0.31	5.20	9.20
MAA05			40	14.34	76.9	0.52	5.00	10.30
MAA05			50	13.34	82.0	0.73	4.70	11.50
MAA05			63	8.32	83.3	1.14	4.30	13.00
MAA05			80	4.50	86.1	1.66	3.70	14.80
MAA05			100	2.16	90.8	2.60	3.00	16.80
MAA05			125	-6.89	89.3	3.95	1.80	18.80
MAA05			160	-14.36	90.6	5.93	0.00	21.10
MAA05			200	-19.86	91.9	8.52	0.00	22.80
MAA06	11 611	11 612						
MAA06			20	20.10	63.9	0.00	5.60	7.60
MAA06			25	17.07	67.8	0.23	5.40	8.30
MAA06			32	16.05	73.3	0.35	5.20	9.20
MAA06			40	13.32	76.9	0.58	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA06			50	12.29	82.0	0.81	4.70	11.50
MAA06			63	7.22	83.3	1.28	4.30	13.00
MAA06			80	3.34	86.1	1.86	3.70	14.80
MAA06			100	0.90	90.8	2.90	3.00	16.80
MAA06			125	-8.31	89.3	4.41	1.80	18.80
MAA06			160	-16.02	90.6	6.62	0.00	21.10
MAA06			200	-21.82	91.9	9.52	0.00	22.80
MAA07	12 203	12 204						
MAA07			20	19.67	63.9	0.00	5.60	7.60
MAA07			25	16.63	67.8	0.24	5.40	8.30
MAA07			32	15.60	73.3	0.37	5.20	9.20
MAA07			40	12.86	76.9	0.61	5.00	10.30
MAA07			50	11.82	82.0	0.85	4.70	11.50
MAA07			63	6.73	83.3	1.34	4.30	13.00
MAA07			80	2.82	86.1	1.95	3.70	14.80
MAA07			100	0.32	90.8	3.05	3.00	16.80
MAA07			125	-8.97	89.3	4.64	1.80	18.80
MAA07			160	-16.79	90.6	6.96	0.00	21.10
MAA07			200	-22.74	91.9	10.01	0.00	22.80
MAA08	12 618	12 619						
MAA08			20	19.38	63.9	0.00	5.60	7.60
MAA08			25	16.33	67.8	0.25	5.40	8.30
MAA08			32	15.30	73.3	0.38	5.20	9.20
MAA08			40	12.55	76.9	0.63	5.00	10.30
MAA08			50	11.50	82.0	0.88	4.70	11.50
MAA08			63	6.39	83.3	1.39	4.30	13.00
MAA08			80	2.46	86.1	2.02	3.70	14.80
MAA08			100	-0.08	90.8	3.15	3.00	16.80
MAA08			125	-9.42	89.3	4.80	1.80	18.80
MAA08			160	-17.31	90.6	7.19	0.00	21.10
MAA08			200	-23.37	91.9	10.35	0.00	22.80
RAH01	8 031	8 033						
RAH01			20	21.45	62.0	0.00	5.60	7.60
RAH01			25	19.79	67.2	0.16	5.40	8.30
RAH01			32	18.11	72.0	0.24	5.20	9.20
RAH01			40	16.63	76.8	0.40	5.00	10.30
RAH01			50	14.96	81.2	0.56	4.70	11.50
RAH01			63	12.54	85.0	0.88	4.30	13.00
RAH01			80	9.34	88.3	1.29	3.70	14.80
RAH01			100	5.29	91.1	2.01	3.00	16.80
RAH01			125	0.25	93.3	3.05	1.80	18.80
RAH01			160	-6.40	95.0	4.58	0.00	21.10
RAH01			200	-11.48	96.1	6.59	0.00	22.80
RAH02	8 875	8 876						
RAH02			20	20.58	62.0	0.00	5.60	7.60
RAH02			25	18.91	67.2	0.18	5.40	8.30
RAH02			32	17.22	72.0	0.27	5.20	9.20
RAH02			40	15.72	76.8	0.44	5.00	10.30
RAH02			50	14.04	81.2	0.62	4.70	11.50
RAH02			63	11.58	85.0	0.98	4.30	13.00
RAH02			80	8.34	88.3	1.42	3.70	14.80
RAH02			100	4.22	91.1	2.22	3.00	16.80
RAH02			125	-0.94	93.3	3.37	1.80	18.80
RAH02			160	-7.75	95.0	5.06	0.00	21.10
RAH02			200	-13.04	96.1	7.28	0.00	22.80
RAH03	8 448	8 449						
RAH03			20	21.01	62.0	0.00	5.60	7.60
RAH03			25	19.34	67.2	0.17	5.40	8.30
RAH03			32	17.66	72.0	0.25	5.20	9.20
RAH03			40	16.17	76.8	0.42	5.00	10.30
RAH03			50	14.50	81.2	0.59	4.70	11.50
RAH03			63	12.06	85.0	0.93	4.30	13.00
RAH03			80	8.84	88.3	1.35	3.70	14.80
RAH03			100	4.75	91.1	2.11	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH03			125	-0.35	93.3	3.21	1.80	18.80
RAH03			160	-7.08	95.0	4.82	0.00	21.10
RAH03			200	-12.26	96.1	6.93	0.00	22.80
RAH04	9 569	9 570						
RAH04			20	19.93	62.0	0.00	5.60	7.60
RAH04			25	18.24	67.2	0.19	5.40	8.30
RAH04			32	16.54	72.0	0.29	5.20	9.20
RAH04			40	15.03	76.8	0.48	5.00	10.30
RAH04			50	13.34	81.2	0.67	4.70	11.50
RAH04			63	10.85	85.0	1.05	4.30	13.00
RAH04			80	7.57	88.3	1.53	3.70	14.80
RAH04			100	3.39	91.1	2.39	3.00	16.80
RAH04			125	-1.85	93.3	3.64	1.80	18.80
RAH04			160	-8.80	95.0	5.45	0.00	21.10
RAH04			200	-14.27	96.1	7.85	0.00	22.80
RAH05	9 422	9 423						
RAH05			20	20.06	62.0	0.00	5.60	7.60
RAH05			25	18.38	67.2	0.19	5.40	8.30
RAH05			32	16.68	72.0	0.28	5.20	9.20
RAH05			40	15.17	76.8	0.47	5.00	10.30
RAH05			50	13.48	81.2	0.66	4.70	11.50
RAH05			63	11.00	85.0	1.04	4.30	13.00
RAH05			80	7.73	88.3	1.51	3.70	14.80
RAH05			100	3.56	91.1	2.36	3.00	16.80
RAH05			125	-1.66	93.3	3.58	1.80	18.80
RAH05			160	-8.58	95.0	5.37	0.00	21.10
RAH05			200	-14.01	96.1	7.73	0.00	22.80
RAH06	10 163	10 164						
RAH06			20	19.41	62.0	0.00	5.60	7.60
RAH06			25	17.70	67.2	0.20	5.40	8.30
RAH06			32	16.00	72.0	0.30	5.20	9.20
RAH06			40	14.47	76.8	0.51	5.00	10.30
RAH06			50	12.77	81.2	0.71	4.70	11.50
RAH06			63	10.26	85.0	1.12	4.30	13.00
RAH06			80	6.96	88.3	1.63	3.70	14.80
RAH06			100	2.72	91.1	2.54	3.00	16.80
RAH06			125	-2.60	93.3	3.86	1.80	18.80
RAH06			160	-9.66	95.0	5.79	0.00	21.10
RAH06			200	-15.28	96.1	8.33	0.00	22.80
RAH07	11 414	11 415						
RAH07			20	18.40	62.0	0.00	5.60	7.60
RAH07			25	16.67	67.2	0.23	5.40	8.30
RAH07			32	14.96	72.0	0.34	5.20	9.20
RAH07			40	13.40	76.8	0.57	5.00	10.30
RAH07			50	11.68	81.2	0.80	4.70	11.50
RAH07			63	9.12	85.0	1.26	4.30	13.00
RAH07			80	5.75	88.3	1.83	3.70	14.80
RAH07			100	1.40	91.1	2.85	3.00	16.80
RAH07			125	-4.09	93.3	4.34	1.80	18.80
RAH07			160	-11.38	95.0	6.51	0.00	21.10
RAH07			200	-17.31	96.1	9.36	0.00	22.80
RAH08	10 830	10 831						
RAH08			20	18.86	62.0	0.00	5.60	7.60
RAH08			25	17.14	67.2	0.22	5.40	8.30
RAH08			32	15.43	72.0	0.32	5.20	9.20
RAH08			40	13.89	76.8	0.54	5.00	10.30
RAH08			50	12.17	81.2	0.76	4.70	11.50
RAH08			63	9.64	85.0	1.19	4.30	13.00
RAH08			80	6.30	88.3	1.73	3.70	14.80
RAH08			100	2.00	91.1	2.71	3.00	16.80
RAH08			125	-3.41	93.3	4.12	1.80	18.80
RAH08			160	-10.59	95.0	6.17	0.00	21.10
RAH08			200	-16.37	96.1	8.88	0.00	22.80
RAH09	10 600	10 601						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			20	19.04	62.0	0.00	5.60	7.60
RAH09			25	17.33	67.2	0.21	5.40	8.30
RAH09			32	15.62	72.0	0.32	5.20	9.20
RAH09			40	14.09	76.8	0.53	5.00	10.30
RAH09			50	12.38	81.2	0.74	4.70	11.50
RAH09			63	9.85	85.0	1.17	4.30	13.00
RAH09			80	6.52	88.3	1.70	3.70	14.80
RAH09			100	2.24	91.1	2.65	3.00	16.80
RAH09			125	-3.14	93.3	4.03	1.80	18.80
RAH09			160	-10.27	95.0	6.04	0.00	21.10
RAH09			200	-16.00	96.1	8.69	0.00	22.80
RAH10	10 068	10 069						
RAH10			20	19.49	62.0	0.00	5.60	7.60
RAH10			25	17.79	67.2	0.20	5.40	8.30
RAH10			32	16.09	72.0	0.30	5.20	9.20
RAH10			40	14.56	76.8	0.50	5.00	10.30
RAH10			50	12.86	81.2	0.70	4.70	11.50
RAH10			63	10.36	85.0	1.11	4.30	13.00
RAH10			80	7.05	88.3	1.61	3.70	14.80
RAH10			100	2.82	91.1	2.52	3.00	16.80
RAH10			125	-2.49	93.3	3.83	1.80	18.80
RAH10			160	-9.52	95.0	5.74	0.00	21.10
RAH10			200	-15.12	96.1	8.26	0.00	22.80
RAH11	7 358	7 359						
RAH11			20	22.21	62.0	0.00	5.60	7.60
RAH11			25	20.56	67.2	0.15	5.40	8.30
RAH11			32	18.89	72.0	0.22	5.20	9.20
RAH11			40	17.42	76.8	0.37	5.00	10.30
RAH11			50	15.77	81.2	0.52	4.70	11.50
RAH11			63	13.38	85.0	0.81	4.30	13.00
RAH11			80	10.21	88.3	1.18	3.70	14.80
RAH11			100	6.22	91.1	1.84	3.00	16.80
RAH11			125	1.27	93.3	2.80	1.80	18.80
RAH11			160	-5.26	95.0	4.19	0.00	21.10
RAH11			200	-10.17	96.1	6.03	0.00	22.80
RAH12	6 884	6 885						
RAH12			20	22.79	62.0	0.00	5.60	7.60
RAH12			25	21.15	67.2	0.14	5.40	8.30
RAH12			32	19.48	72.0	0.21	5.20	9.20
RAH12			40	18.02	76.8	0.34	5.00	10.30
RAH12			50	16.38	81.2	0.48	4.70	11.50
RAH12			63	14.01	85.0	0.76	4.30	13.00
RAH12			80	10.86	88.3	1.10	3.70	14.80
RAH12			100	6.92	91.1	1.72	3.00	16.80
RAH12			125	2.03	93.3	2.62	1.80	18.80
RAH12			160	-4.41	95.0	3.92	0.00	21.10
RAH12			200	-9.20	96.1	5.65	0.00	22.80
RAH13	6 259	6 261						
RAH13			20	23.62	62.0	0.00	5.60	7.60
RAH13			25	21.99	67.2	0.13	5.40	8.30
RAH13			32	20.33	72.0	0.19	5.20	9.20
RAH13			40	18.88	76.8	0.31	5.00	10.30
RAH13			50	17.25	81.2	0.44	4.70	11.50
RAH13			63	14.90	85.0	0.69	4.30	13.00
RAH13			80	11.79	88.3	1.00	3.70	14.80
RAH13			100	7.90	91.1	1.57	3.00	16.80
RAH13			125	3.09	93.3	2.38	1.80	18.80
RAH13			160	-3.23	95.0	3.57	0.00	21.10
RAH13			200	-7.87	96.1	5.13	0.00	22.80
RAH14	6 717	6 719						
RAH14			20	23.00	62.0	0.00	5.60	7.60
RAH14			25	21.37	67.2	0.13	5.40	8.30
RAH14			32	19.70	72.0	0.20	5.20	9.20
RAH14			40	18.24	76.8	0.34	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH14			50	16.61	81.2	0.47	4.70	11.50
RAH14			63	14.24	85.0	0.74	4.30	13.00
RAH14			80	11.10	88.3	1.08	3.70	14.80
RAH14			100	7.17	91.1	1.68	3.00	16.80
RAH14			125	2.30	93.3	2.55	1.80	18.80
RAH14			160	-4.10	95.0	3.83	0.00	21.10
RAH14			200	-8.86	96.1	5.51	0.00	22.80
RAH15	5 560	5 563						
RAH15			20	24.64	62.0	0.00	5.60	7.60
RAH15			25	23.03	67.2	0.11	5.40	8.30
RAH15			32	21.38	72.0	0.17	5.20	9.20
RAH15			40	19.94	76.8	0.28	5.00	10.30
RAH15			50	18.33	81.2	0.39	4.70	11.50
RAH15			63	16.01	85.0	0.61	4.30	13.00
RAH15			80	12.93	88.3	0.89	3.70	14.80
RAH15			100	9.10	91.1	1.39	3.00	16.80
RAH15			125	4.38	93.3	2.11	1.80	18.80
RAH15			160	-1.80	95.0	3.17	0.00	21.10
RAH15			200	-6.27	96.1	4.56	0.00	22.80
RAH16	5 327	5 329						
RAH16			20	25.02	62.0	0.00	5.60	7.60
RAH16			25	23.41	67.2	0.11	5.40	8.30
RAH16			32	21.76	72.0	0.16	5.20	9.20
RAH16			40	20.33	76.8	0.27	5.00	10.30
RAH16			50	18.72	81.2	0.37	4.70	11.50
RAH16			63	16.41	85.0	0.59	4.30	13.00
RAH16			80	13.34	88.3	0.85	3.70	14.80
RAH16			100	9.54	91.1	1.33	3.00	16.80
RAH16			125	4.84	93.3	2.02	1.80	18.80
RAH16			160	-1.29	95.0	3.04	0.00	21.10
RAH16			200	-5.70	96.1	4.37	0.00	22.80
RAH17	6 415	6 418						
RAH17			20	23.40	62.0	0.00	5.60	7.60
RAH17			25	21.77	67.2	0.13	5.40	8.30
RAH17			32	20.11	72.0	0.19	5.20	9.20
RAH17			40	18.66	76.8	0.32	5.00	10.30
RAH17			50	17.03	81.2	0.45	4.70	11.50
RAH17			63	14.67	85.0	0.71	4.30	13.00
RAH17			80	11.55	88.3	1.03	3.70	14.80
RAH17			100	7.65	91.1	1.60	3.00	16.80
RAH17			125	2.81	93.3	2.44	1.80	18.80
RAH17			160	-3.53	95.0	3.66	0.00	21.10
RAH17			200	-8.21	96.1	5.26	0.00	22.80
RAH18	5 777	5 780						
RAH18			20	24.31	62.0	0.00	5.60	7.60
RAH18			25	22.69	67.2	0.12	5.40	8.30
RAH18			32	21.04	72.0	0.17	5.20	9.20
RAH18			40	19.60	76.8	0.29	5.00	10.30
RAH18			50	17.98	81.2	0.40	4.70	11.50
RAH18			63	15.65	85.0	0.64	4.30	13.00
RAH18			80	12.56	88.3	0.92	3.70	14.80
RAH18			100	8.72	91.1	1.44	3.00	16.80
RAH18			125	3.97	93.3	2.20	1.80	18.80
RAH18			160	-2.26	95.0	3.29	0.00	21.10
RAH18			200	-6.78	96.1	4.74	0.00	22.80
RAH19	6 004	6 007						
RAH19			20	23.98	62.0	0.00	5.60	7.60
RAH19			25	22.36	67.2	0.12	5.40	8.30
RAH19			32	20.70	72.0	0.18	5.20	9.20
RAH19			40	19.25	76.8	0.30	5.00	10.30
RAH19			50	17.63	81.2	0.42	4.70	11.50
RAH19			63	15.29	85.0	0.66	4.30	13.00
RAH19			80	12.19	88.3	0.96	3.70	14.80
RAH19			100	8.33	91.1	1.50	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH19			125	3.54	93.3	2.28	1.80	18.80
RAH19			160	-2.72	95.0	3.42	0.00	21.10
RAH19			200	-7.30	96.1	4.93	0.00	22.80
SIL01	2 365	2 371						
SIL01			20	33.32	63.3	0.00	5.60	7.60
SIL01			25	31.67	68.4	0.05	5.40	8.30
SIL01			32	25.76	68.9	0.07	5.20	9.20
SIL01			40	22.81	72.1	0.12	5.00	10.30
SIL01			50	21.56	76.8	0.17	4.70	11.50
SIL01			63	18.55	79.8	0.26	4.30	13.00
SIL01			80	15.13	82.6	0.38	3.70	14.80
SIL01			100	12.24	86.0	0.59	3.00	16.80
SIL01			125	8.99	89.3	0.90	1.80	18.80
SIL01			160	0.63	88.2	1.35	0.00	21.10
SIL01			200	-2.36	90.0	1.94	0.00	22.80
SIL02	2 989	2 993						
SIL02			20	31.30	63.3	0.00	5.60	7.60
SIL02			25	29.64	68.4	0.06	5.40	8.30
SIL02			32	23.72	68.9	0.09	5.20	9.20
SIL02			40	20.75	72.1	0.15	5.00	10.30
SIL02			50	19.49	76.8	0.21	4.70	11.50
SIL02			63	16.45	79.8	0.33	4.30	13.00
SIL02			80	13.01	82.6	0.48	3.70	14.80
SIL02			100	10.06	86.0	0.75	3.00	16.80
SIL02			125	6.73	89.3	1.14	1.80	18.80
SIL02			160	-1.75	88.2	1.71	0.00	21.10
SIL02			200	-4.89	90.0	2.45	0.00	22.80
SIL03	3 503	3 507						
SIL03			20	29.93	63.3	0.00	5.60	7.60
SIL03			25	28.25	68.4	0.07	5.40	8.30
SIL03			32	22.33	68.9	0.11	5.20	9.20
SIL03			40	19.35	72.1	0.18	5.00	10.30
SIL03			50	18.08	76.8	0.25	4.70	11.50
SIL03			63	15.02	79.8	0.39	4.30	13.00
SIL03			80	11.55	82.6	0.56	3.70	14.80
SIL03			100	8.56	86.0	0.88	3.00	16.80
SIL03			125	5.16	89.3	1.33	1.80	18.80
SIL03			160	-3.41	88.2	2.00	0.00	21.10
SIL03			200	-6.68	90.0	2.88	0.00	22.80
SIL04	2 871	2 876						
SIL04			20	31.65	63.3	0.00	5.60	7.60
SIL04			25	29.98	68.4	0.06	5.40	8.30
SIL04			32	24.07	68.9	0.09	5.20	9.20
SIL04			40	21.10	72.1	0.14	5.00	10.30
SIL04			50	19.85	76.8	0.20	4.70	11.50
SIL04			63	16.81	79.8	0.32	4.30	13.00
SIL04			80	13.38	82.6	0.46	3.70	14.80
SIL04			100	10.43	86.0	0.72	3.00	16.80
SIL04			125	7.12	89.3	1.09	1.80	18.80
SIL04			160	-1.33	88.2	1.64	0.00	21.10
SIL04			200	-4.45	90.0	2.36	0.00	22.80
SIL05	1 723	1 730						
SIL05			20	36.06	63.3	0.00	5.60	7.60
SIL05			25	34.42	68.4	0.03	5.40	8.30
SIL05			32	28.51	68.9	0.05	5.20	9.20
SIL05			40	25.57	72.1	0.09	5.00	10.30
SIL05			50	24.34	76.8	0.12	4.70	11.50
SIL05			63	21.35	79.8	0.19	4.30	13.00
SIL05			80	17.97	82.6	0.28	3.70	14.80
SIL05			100	15.13	86.0	0.43	3.00	16.80
SIL05			125	11.97	89.3	0.66	1.80	18.80
SIL05			160	3.73	88.2	0.99	0.00	21.10
SIL05			200	0.91	90.0	1.42	0.00	22.80
SIL06	2 260	2 266						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			20	33.72	63.3	0.00	5.60	7.60
SIL06			25	32.07	68.4	0.05	5.40	8.30
SIL06			32	26.16	68.9	0.07	5.20	9.20
SIL06			40	23.21	72.1	0.11	5.00	10.30
SIL06			50	21.96	76.8	0.16	4.70	11.50
SIL06			63	18.95	79.8	0.25	4.30	13.00
SIL06			80	15.55	82.6	0.36	3.70	14.80
SIL06			100	12.66	86.0	0.57	3.00	16.80
SIL06			125	9.42	89.3	0.86	1.80	18.80
SIL06			160	1.09	88.2	1.29	0.00	21.10
SIL06			200	-1.87	90.0	1.86	0.00	22.80
SIL07	2 213	2 219						
SIL07			20	33.90	63.3	0.00	5.60	7.60
SIL07			25	32.25	68.4	0.04	5.40	8.30
SIL07			32	26.34	68.9	0.07	5.20	9.20
SIL07			40	23.39	72.1	0.11	5.00	10.30
SIL07			50	22.15	76.8	0.16	4.70	11.50
SIL07			63	19.14	79.8	0.24	4.30	13.00
SIL07			80	15.74	82.6	0.35	3.70	14.80
SIL07			100	12.85	86.0	0.55	3.00	16.80
SIL07			125	9.62	89.3	0.84	1.80	18.80
SIL07			160	1.30	88.2	1.26	0.00	21.10
SIL07			200	-1.65	90.0	1.82	0.00	22.80
SIL08	1 564	1 572						
SIL08			20	36.89	63.3	0.00	5.60	7.60
SIL08			25	35.26	68.4	0.03	5.40	8.30
SIL08			32	29.35	68.9	0.05	5.20	9.20
SIL08			40	26.41	72.1	0.08	5.00	10.30
SIL08			50	25.18	76.8	0.11	4.70	11.50
SIL08			63	22.20	79.8	0.17	4.30	13.00
SIL08			80	18.83	82.6	0.25	3.70	14.80
SIL08			100	16.01	86.0	0.39	3.00	16.80
SIL08			125	12.86	89.3	0.60	1.80	18.80
SIL08			160	4.66	88.2	0.90	0.00	21.10
SIL08			200	1.87	90.0	1.29	0.00	22.80
Sum								
Sum			20	44.18				
Sum			25	42.38				
Sum			32	37.96				
Sum			40	35.45				
Sum			50	34.14				
Sum			63	30.95				
Sum			80	27.57				
Sum			100	24.42				
Sum			125	20.20				
Sum			160	12.47				
Sum			200	8.90				

Noise sensitive area: F Noise sensitive point: Finnish normal frequency - User defined (1)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	8 906	8 908						
KAR01			20	22.40	63.9	0.00	5.60	7.60
KAR01			25	19.43	67.8	0.18	5.40	8.30
KAR01			32	18.44	73.3	0.27	5.20	9.20
KAR01			40	15.76	76.9	0.45	5.00	10.30
KAR01			50	14.78	82.0	0.62	4.70	11.50
KAR01			63	9.82	83.3	0.98	4.30	13.00
KAR01			80	6.08	86.1	1.43	3.70	14.80
KAR01			100	3.88	90.8	2.23	3.00	16.80
KAR01			125	-4.98	89.3	3.39	1.80	18.80
KAR01			160	-12.17	90.6	5.08	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01			200	-17.30	91.9	7.30	0.00	22.80
KAR02	9 015	9 017						
KAR02			20	22.30	63.9	0.00	5.60	7.60
KAR02			25	19.32	67.8	0.18	5.40	8.30
KAR02			32	18.33	73.3	0.27	5.20	9.20
KAR02			40	15.65	76.9	0.45	5.00	10.30
KAR02			50	14.67	82.0	0.63	4.70	11.50
KAR02			63	9.71	83.3	0.99	4.30	13.00
KAR02			80	5.96	86.1	1.44	3.70	14.80
KAR02			100	3.74	90.8	2.25	3.00	16.80
KAR02			125	-5.13	89.3	3.43	1.80	18.80
KAR02			160	-12.34	90.6	5.14	0.00	21.10
KAR02			200	-17.50	91.9	7.39	0.00	22.80
KAR03	9 289	9 291						
KAR03			20	22.04	63.9	0.00	5.60	7.60
KAR03			25	19.05	67.8	0.19	5.40	8.30
KAR03			32	18.06	73.3	0.28	5.20	9.20
KAR03			40	15.37	76.9	0.46	5.00	10.30
KAR03			50	14.39	82.0	0.65	4.70	11.50
KAR03			63	9.42	83.3	1.02	4.30	13.00
KAR03			80	5.65	86.1	1.49	3.70	14.80
KAR03			100	3.42	90.8	2.32	3.00	16.80
KAR03			125	-5.49	89.3	3.53	1.80	18.80
KAR03			160	-12.76	90.6	5.30	0.00	21.10
KAR03			200	-17.98	91.9	7.62	0.00	22.80
KAR04	9 742	9 744						
KAR04			20	21.62	63.9	0.00	5.60	7.60
KAR04			25	18.63	67.8	0.19	5.40	8.30
KAR04			32	17.63	73.3	0.29	5.20	9.20
KAR04			40	14.94	76.9	0.49	5.00	10.30
KAR04			50	13.94	82.0	0.68	4.70	11.50
KAR04			63	8.95	83.3	1.07	4.30	13.00
KAR04			80	5.17	86.1	1.56	3.70	14.80
KAR04			100	2.89	90.8	2.44	3.00	16.80
KAR04			125	-6.08	89.3	3.70	1.80	18.80
KAR04			160	-13.43	90.6	5.55	0.00	21.10
KAR04			200	-18.77	91.9	7.99	0.00	22.80
KAR05	10 175	10 178						
KAR05			20	21.25	63.9	0.00	5.60	7.60
KAR05			25	18.24	67.8	0.20	5.40	8.30
KAR05			32	17.24	73.3	0.31	5.20	9.20
KAR05			40	14.54	76.9	0.51	5.00	10.30
KAR05			50	13.53	82.0	0.71	4.70	11.50
KAR05			63	8.53	83.3	1.12	4.30	13.00
KAR05			80	4.72	86.1	1.63	3.70	14.80
KAR05			100	2.40	90.8	2.54	3.00	16.80
KAR05			125	-6.62	89.3	3.87	1.80	18.80
KAR05			160	-14.05	90.6	5.80	0.00	21.10
KAR05			200	-19.50	91.9	8.35	0.00	22.80
KAR06	9 896	9 898						
KAR06			20	21.49	63.9	0.00	5.60	7.60
KAR06			25	18.49	67.8	0.20	5.40	8.30
KAR06			32	17.49	73.3	0.30	5.20	9.20
KAR06			40	14.79	76.9	0.49	5.00	10.30
KAR06			50	13.80	82.0	0.69	4.70	11.50
KAR06			63	8.80	83.3	1.09	4.30	13.00
KAR06			80	5.01	86.1	1.58	3.70	14.80
KAR06			100	2.71	90.8	2.47	3.00	16.80
KAR06			125	-6.27	89.3	3.76	1.80	18.80
KAR06			160	-13.65	90.6	5.64	0.00	21.10
KAR06			200	-19.03	91.9	8.12	0.00	22.80
KAR07	9 827	9 829						
KAR07			20	21.55	63.9	0.00	5.60	7.60
KAR07			25	18.55	67.8	0.20	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			32	17.55	73.3	0.29	5.20	9.20
KAR07			40	14.86	76.9	0.49	5.00	10.30
KAR07			50	13.86	82.0	0.69	4.70	11.50
KAR07			63	8.87	83.3	1.08	4.30	13.00
KAR07			80	5.08	86.1	1.57	3.70	14.80
KAR07			100	2.79	90.8	2.46	3.00	16.80
KAR07			125	-6.19	89.3	3.74	1.80	18.80
KAR07			160	-13.55	90.6	5.60	0.00	21.10
KAR07			200	-18.91	91.9	8.06	0.00	22.80
KAR08	9 878	9 880						
KAR08			20	21.50	63.9	0.00	5.60	7.60
KAR08			25	18.51	67.8	0.20	5.40	8.30
KAR08			32	17.51	73.3	0.30	5.20	9.20
KAR08			40	14.81	76.9	0.49	5.00	10.30
KAR08			50	13.81	82.0	0.69	4.70	11.50
KAR08			63	8.82	83.3	1.09	4.30	13.00
KAR08			80	5.02	86.1	1.58	3.70	14.80
KAR08			100	2.73	90.8	2.47	3.00	16.80
KAR08			125	-6.25	89.3	3.75	1.80	18.80
KAR08			160	-13.63	90.6	5.63	0.00	21.10
KAR08			200	-19.00	91.9	8.10	0.00	22.80
KAR09	10 735	10 737						
KAR09			20	20.78	63.9	0.00	5.60	7.60
KAR09			25	17.77	67.8	0.21	5.40	8.30
KAR09			32	16.76	73.3	0.32	5.20	9.20
KAR09			40	14.05	76.9	0.54	5.00	10.30
KAR09			50	13.03	82.0	0.75	4.70	11.50
KAR09			63	8.00	83.3	1.18	4.30	13.00
KAR09			80	4.16	86.1	1.72	3.70	14.80
KAR09			100	1.80	90.8	2.68	3.00	16.80
KAR09			125	-7.30	89.3	4.08	1.80	18.80
KAR09			160	-14.84	90.6	6.12	0.00	21.10
KAR09			200	-20.42	91.9	8.80	0.00	22.80
KAR10	10 532	10 534						
KAR10			20	20.95	63.9	0.00	5.60	7.60
KAR10			25	17.94	67.8	0.21	5.40	8.30
KAR10			32	16.93	73.3	0.32	5.20	9.20
KAR10			40	14.22	76.9	0.53	5.00	10.30
KAR10			50	13.21	82.0	0.74	4.70	11.50
KAR10			63	8.19	83.3	1.16	4.30	13.00
KAR10			80	4.36	86.1	1.69	3.70	14.80
KAR10			100	2.01	90.8	2.63	3.00	16.80
KAR10			125	-7.05	89.3	4.00	1.80	18.80
KAR10			160	-14.56	90.6	6.00	0.00	21.10
KAR10			200	-20.09	91.9	8.64	0.00	22.80
KAR11	10 465	10 467						
KAR11			20	21.00	63.9	0.00	5.60	7.60
KAR11			25	17.99	67.8	0.21	5.40	8.30
KAR11			32	16.99	73.3	0.31	5.20	9.20
KAR11			40	14.28	76.9	0.52	5.00	10.30
KAR11			50	13.27	82.0	0.73	4.70	11.50
KAR11			63	8.25	83.3	1.15	4.30	13.00
KAR11			80	4.43	86.1	1.67	3.70	14.80
KAR11			100	2.09	90.8	2.62	3.00	16.80
KAR11			125	-6.97	89.3	3.98	1.80	18.80
KAR11			160	-14.46	90.6	5.97	0.00	21.10
KAR11			200	-19.98	91.9	8.58	0.00	22.80
KAR12	11 109	11 112						
KAR12			20	20.48	63.9	0.00	5.60	7.60
KAR12			25	17.46	67.8	0.22	5.40	8.30
KAR12			32	16.45	73.3	0.33	5.20	9.20
KAR12			40	13.73	76.9	0.56	5.00	10.30
KAR12			50	12.71	82.0	0.78	4.70	11.50
KAR12			63	7.66	83.3	1.22	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR12			80	3.81	86.1	1.78	3.70	14.80
KAR12			100	1.41	90.8	2.78	3.00	16.80
KAR12			125	-7.74	89.3	4.22	1.80	18.80
KAR12			160	-15.35	90.6	6.33	0.00	21.10
KAR12			200	-21.03	91.9	9.11	0.00	22.80
KAR13	10 867	10 869						
KAR13			20	20.68	63.9	0.00	5.60	7.60
KAR13			25	17.66	67.8	0.22	5.40	8.30
KAR13			32	16.65	73.3	0.33	5.20	9.20
KAR13			40	13.93	76.9	0.54	5.00	10.30
KAR13			50	12.92	82.0	0.76	4.70	11.50
KAR13			63	7.88	83.3	1.20	4.30	13.00
KAR13			80	4.04	86.1	1.74	3.70	14.80
KAR13			100	1.66	90.8	2.72	3.00	16.80
KAR13			125	-7.45	89.3	4.13	1.80	18.80
KAR13			160	-15.02	90.6	6.20	0.00	21.10
KAR13			200	-20.64	91.9	8.91	0.00	22.80
KAR14	11 444	11 446						
KAR14			20	20.23	63.9	0.00	5.60	7.60
KAR14			25	17.20	67.8	0.23	5.40	8.30
KAR14			32	16.18	73.3	0.34	5.20	9.20
KAR14			40	13.45	76.9	0.57	5.00	10.30
KAR14			50	12.43	82.0	0.80	4.70	11.50
KAR14			63	7.37	83.3	1.26	4.30	13.00
KAR14			80	3.50	86.1	1.83	3.70	14.80
KAR14			100	1.07	90.8	2.86	3.00	16.80
KAR14			125	-8.12	89.3	4.35	1.80	18.80
KAR14			160	-15.80	90.6	6.52	0.00	21.10
KAR14			200	-21.56	91.9	9.39	0.00	22.80
KAR15	10 856	10 858						
KAR15			20	20.68	63.9	0.00	5.60	7.60
KAR15			25	17.67	67.8	0.22	5.40	8.30
KAR15			32	16.66	73.3	0.33	5.20	9.20
KAR15			40	13.94	76.9	0.54	5.00	10.30
KAR15			50	12.92	82.0	0.76	4.70	11.50
KAR15			63	7.89	83.3	1.19	4.30	13.00
KAR15			80	4.05	86.1	1.74	3.70	14.80
KAR15			100	1.67	90.8	2.71	3.00	16.80
KAR15			125	-7.44	89.3	4.13	1.80	18.80
KAR15			160	-15.00	90.6	6.19	0.00	21.10
KAR15			200	-20.62	91.9	8.90	0.00	22.80
KAR16	11 806	11 808						
KAR16			20	19.96	63.9	0.00	5.60	7.60
KAR16			25	16.92	67.8	0.24	5.40	8.30
KAR16			32	15.90	73.3	0.35	5.20	9.20
KAR16			40	13.17	76.9	0.59	5.00	10.30
KAR16			50	12.13	82.0	0.83	4.70	11.50
KAR16			63	7.06	83.3	1.30	4.30	13.00
KAR16			80	3.17	86.1	1.89	3.70	14.80
KAR16			100	0.70	90.8	2.95	3.00	16.80
KAR16			125	-8.53	89.3	4.49	1.80	18.80
KAR16			160	-16.27	90.6	6.73	0.00	21.10
KAR16			200	-22.13	91.9	9.68	0.00	22.80
KAR17	11 757	11 759						
KAR17			20	19.99	63.9	0.00	5.60	7.60
KAR17			25	16.96	67.8	0.24	5.40	8.30
KAR17			32	15.94	73.3	0.35	5.20	9.20
KAR17			40	13.20	76.9	0.59	5.00	10.30
KAR17			50	12.17	82.0	0.82	4.70	11.50
KAR17			63	7.10	83.3	1.29	4.30	13.00
KAR17			80	3.21	86.1	1.88	3.70	14.80
KAR17			100	0.75	90.8	2.94	3.00	16.80
KAR17			125	-8.48	89.3	4.47	1.80	18.80
KAR17			160	-16.21	90.6	6.70	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR17			200	-22.05	91.9	9.64	0.00	22.80
KAR18	12 181	12 183						
KAR18			20	19.68	63.9	0.00	5.60	7.60
KAR18			25	16.64	67.8	0.24	5.40	8.30
KAR18			32	15.62	73.3	0.37	5.20	9.20
KAR18			40	12.88	76.9	0.61	5.00	10.30
KAR18			50	11.83	82.0	0.85	4.70	11.50
KAR18			63	6.74	83.3	1.34	4.30	13.00
KAR18			80	2.84	86.1	1.95	3.70	14.80
KAR18			100	0.34	90.8	3.05	3.00	16.80
KAR18			125	-8.94	89.3	4.63	1.80	18.80
KAR18			160	-16.76	90.6	6.94	0.00	21.10
KAR18			200	-22.70	91.9	9.99	0.00	22.80
KAR19	11 593	11 595						
KAR19			20	20.11	63.9	0.00	5.60	7.60
KAR19			25	17.08	67.8	0.23	5.40	8.30
KAR19			32	16.07	73.3	0.35	5.20	9.20
KAR19			40	13.33	76.9	0.58	5.00	10.30
KAR19			50	12.30	82.0	0.81	4.70	11.50
KAR19			63	7.24	83.3	1.28	4.30	13.00
KAR19			80	3.36	86.1	1.86	3.70	14.80
KAR19			100	0.92	90.8	2.90	3.00	16.80
KAR19			125	-8.29	89.3	4.41	1.80	18.80
KAR19			160	-16.00	90.6	6.61	0.00	21.10
KAR19			200	-21.79	91.9	9.51	0.00	22.80
KAR20	12 368	12 370						
KAR20			20	19.55	63.9	0.00	5.60	7.60
KAR20			25	16.50	67.8	0.25	5.40	8.30
KAR20			32	15.48	73.3	0.37	5.20	9.20
KAR20			40	12.73	76.9	0.62	5.00	10.30
KAR20			50	11.69	82.0	0.87	4.70	11.50
KAR20			63	6.59	83.3	1.36	4.30	13.00
KAR20			80	2.67	86.1	1.98	3.70	14.80
KAR20			100	0.16	90.8	3.09	3.00	16.80
KAR20			125	-9.15	89.3	4.70	1.80	18.80
KAR20			160	-17.00	90.6	7.05	0.00	21.10
KAR20			200	-22.99	91.9	10.14	0.00	22.80
KAR21	12 204	12 206						
KAR21			20	19.67	63.9	0.00	5.60	7.60
KAR21			25	16.62	67.8	0.24	5.40	8.30
KAR21			32	15.60	73.3	0.37	5.20	9.20
KAR21			40	12.86	76.9	0.61	5.00	10.30
KAR21			50	11.81	82.0	0.85	4.70	11.50
KAR21			63	6.73	83.3	1.34	4.30	13.00
KAR21			80	2.82	86.1	1.95	3.70	14.80
KAR21			100	0.32	90.8	3.05	3.00	16.80
KAR21			125	-8.97	89.3	4.64	1.80	18.80
KAR21			160	-16.79	90.6	6.96	0.00	21.10
KAR21			200	-22.74	91.9	10.01	0.00	22.80
KAR22	12 269	12 271						
KAR22			20	19.62	63.9	0.00	5.60	7.60
KAR22			25	16.58	67.8	0.25	5.40	8.30
KAR22			32	15.55	73.3	0.37	5.20	9.20
KAR22			40	12.81	76.9	0.61	5.00	10.30
KAR22			50	11.76	82.0	0.86	4.70	11.50
KAR22			63	6.67	83.3	1.35	4.30	13.00
KAR22			80	2.76	86.1	1.96	3.70	14.80
KAR22			100	0.25	90.8	3.07	3.00	16.80
KAR22			125	-9.04	89.3	4.66	1.80	18.80
KAR22			160	-16.87	90.6	6.99	0.00	21.10
KAR22			200	-22.84	91.9	10.06	0.00	22.80
KAR23	12 830	12 832						
KAR23			20	19.23	63.9	0.00	5.60	7.60
KAR23			25	16.18	67.8	0.26	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			32	15.15	73.3	0.38	5.20	9.20
KAR23			40	12.39	76.9	0.64	5.00	10.30
KAR23			50	11.34	82.0	0.90	4.70	11.50
KAR23			63	6.22	83.3	1.41	4.30	13.00
KAR23			80	2.28	86.1	2.05	3.70	14.80
KAR23			100	-0.27	90.8	3.21	3.00	16.80
KAR23			125	-9.64	89.3	4.88	1.80	18.80
KAR23			160	-17.58	90.6	7.31	0.00	21.10
KAR23			200	-23.69	91.9	10.52	0.00	22.80
KAR24	9 024	9 026						
KAR24			20	22.29	63.9	0.00	5.60	7.60
KAR24			25	19.31	67.8	0.18	5.40	8.30
KAR24			32	18.32	73.3	0.27	5.20	9.20
KAR24			40	15.64	76.9	0.45	5.00	10.30
KAR24			50	14.66	82.0	0.63	4.70	11.50
KAR24			63	9.70	83.3	0.99	4.30	13.00
KAR24			80	5.95	86.1	1.44	3.70	14.80
KAR24			100	3.73	90.8	2.26	3.00	16.80
KAR24			125	-5.14	89.3	3.43	1.80	18.80
KAR24			160	-12.36	90.6	5.14	0.00	21.10
KAR24			200	-17.51	91.9	7.40	0.00	22.80
KAR25	8 542	8 544						
KAR25			20	22.77	63.9	0.00	5.60	7.60
KAR25			25	19.80	67.8	0.17	5.40	8.30
KAR25			32	18.81	73.3	0.26	5.20	9.20
KAR25			40	16.14	76.9	0.43	5.00	10.30
KAR25			50	15.17	82.0	0.60	4.70	11.50
KAR25			63	10.23	83.3	0.94	4.30	13.00
KAR25			80	6.50	86.1	1.37	3.70	14.80
KAR25			100	4.33	90.8	2.14	3.00	16.80
KAR25			125	-4.48	89.3	3.25	1.80	18.80
KAR25			160	-11.60	90.6	4.87	0.00	21.10
KAR25			200	-16.64	91.9	7.01	0.00	22.80
MAA01	3 600	3 603						
MAA01			20	30.27	63.9	0.00	5.60	7.60
MAA01			25	27.39	67.8	0.07	5.40	8.30
MAA01			32	26.46	73.3	0.11	5.20	9.20
MAA01			40	23.89	76.9	0.18	5.00	10.30
MAA01			50	23.01	82.0	0.25	4.70	11.50
MAA01			63	18.27	83.3	0.40	4.30	13.00
MAA01			80	14.79	86.1	0.58	3.70	14.80
MAA01			100	13.07	90.8	0.90	3.00	16.80
MAA01			125	4.90	89.3	1.37	1.80	18.80
MAA01			160	-1.29	90.6	2.05	0.00	21.10
MAA01			200	-5.09	91.9	2.95	0.00	22.80
MAA03	3 668	3 672						
MAA03			20	30.10	63.9	0.00	5.60	7.60
MAA03			25	27.23	67.8	0.07	5.40	8.30
MAA03			32	26.29	73.3	0.11	5.20	9.20
MAA03			40	23.72	76.9	0.18	5.00	10.30
MAA03			50	22.85	82.0	0.26	4.70	11.50
MAA03			63	18.10	83.3	0.40	4.30	13.00
MAA03			80	14.61	86.1	0.59	3.70	14.80
MAA03			100	12.88	90.8	0.92	3.00	16.80
MAA03			125	4.71	89.3	1.40	1.80	18.80
MAA03			160	-1.49	90.6	2.09	0.00	21.10
MAA03			200	-5.31	91.9	3.01	0.00	22.80
MAA04	4 890	4 893						
MAA04			20	27.61	63.9	0.00	5.60	7.60
MAA04			25	24.71	67.8	0.10	5.40	8.30
MAA04			32	23.76	73.3	0.15	5.20	9.20
MAA04			40	21.16	76.9	0.24	5.00	10.30
MAA04			50	20.27	82.0	0.34	4.70	11.50
MAA04			63	15.47	83.3	0.54	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA04			80	11.93	86.1	0.78	3.70	14.80
MAA04			100	10.09	90.8	1.22	3.00	16.80
MAA04			125	1.75	89.3	1.86	1.80	18.80
MAA04			160	-4.68	90.6	2.79	0.00	21.10
MAA04			200	-8.80	91.9	4.01	0.00	22.80
MAA05	3 981	3 984						
MAA05			20	29.39	63.9	0.00	5.60	7.60
MAA05			25	26.51	67.8	0.08	5.40	8.30
MAA05			32	25.57	73.3	0.12	5.20	9.20
MAA05			40	22.99	76.9	0.20	5.00	10.30
MAA05			50	22.12	82.0	0.28	4.70	11.50
MAA05			63	17.36	83.3	0.44	4.30	13.00
MAA05			80	13.86	86.1	0.64	3.70	14.80
MAA05			100	12.10	90.8	1.00	3.00	16.80
MAA05			125	3.88	89.3	1.51	1.80	18.80
MAA05			160	-2.38	90.6	2.27	0.00	21.10
MAA05			200	-6.27	91.9	3.27	0.00	22.80
MAA06	4 921	4 924						
MAA06			20	27.55	63.9	0.00	5.60	7.60
MAA06			25	24.66	67.8	0.10	5.40	8.30
MAA06			32	23.71	73.3	0.15	5.20	9.20
MAA06			40	21.11	76.9	0.25	5.00	10.30
MAA06			50	20.21	82.0	0.34	4.70	11.50
MAA06			63	15.41	83.3	0.54	4.30	13.00
MAA06			80	11.87	86.1	0.79	3.70	14.80
MAA06			100	10.02	90.8	1.23	3.00	16.80
MAA06			125	1.68	89.3	1.87	1.80	18.80
MAA06			160	-4.75	90.6	2.81	0.00	21.10
MAA06			200	-8.88	91.9	4.04	0.00	22.80
MAA07	5 617	5 620						
MAA07			20	26.41	63.9	0.00	5.60	7.60
MAA07			25	23.49	67.8	0.11	5.40	8.30
MAA07			32	22.54	73.3	0.17	5.20	9.20
MAA07			40	19.92	76.9	0.28	5.00	10.30
MAA07			50	19.01	82.0	0.39	4.70	11.50
MAA07			63	14.19	83.3	0.62	4.30	13.00
MAA07			80	10.61	86.1	0.90	3.70	14.80
MAA07			100	8.70	90.8	1.40	3.00	16.80
MAA07			125	0.27	89.3	2.14	1.80	18.80
MAA07			160	-6.30	90.6	3.20	0.00	21.10
MAA07			200	-10.60	91.9	4.61	0.00	22.80
MAA08	6 148	6 150						
MAA08			20	25.62	63.9	0.00	5.60	7.60
MAA08			25	22.70	67.8	0.12	5.40	8.30
MAA08			32	21.74	73.3	0.18	5.20	9.20
MAA08			40	19.11	76.9	0.31	5.00	10.30
MAA08			50	18.19	82.0	0.43	4.70	11.50
MAA08			63	13.35	83.3	0.68	4.30	13.00
MAA08			80	9.74	86.1	0.98	3.70	14.80
MAA08			100	7.78	90.8	1.54	3.00	16.80
MAA08			125	-0.72	89.3	2.34	1.80	18.80
MAA08			160	-7.38	90.6	3.51	0.00	21.10
MAA08			200	-11.82	91.9	5.04	0.00	22.80
RAH01	1 998	2 006						
RAH01			20	33.50	62.0	0.00	5.60	7.60
RAH01			25	31.96	67.2	0.04	5.40	8.30
RAH01			32	30.34	72.0	0.06	5.20	9.20
RAH01			40	28.98	76.8	0.10	5.00	10.30
RAH01			50	27.44	81.2	0.14	4.70	11.50
RAH01			63	25.26	85.0	0.22	4.30	13.00
RAH01			80	22.36	88.3	0.32	3.70	14.80
RAH01			100	18.85	91.1	0.50	3.00	16.80
RAH01			125	14.59	93.3	0.76	1.80	18.80
RAH01			160	9.09	95.0	1.14	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH01			200	5.51	96.1	1.64	0.00	22.80
RAH02	2 004	2 011						
RAH02			20	33.48	62.0	0.00	5.60	7.60
RAH02			25	31.94	67.2	0.04	5.40	8.30
RAH02			32	30.32	72.0	0.06	5.20	9.20
RAH02			40	28.95	76.8	0.10	5.00	10.30
RAH02			50	27.41	81.2	0.14	4.70	11.50
RAH02			63	25.23	85.0	0.22	4.30	13.00
RAH02			80	22.33	88.3	0.32	3.70	14.80
RAH02			100	18.83	91.1	0.50	3.00	16.80
RAH02			125	14.57	93.3	0.76	1.80	18.80
RAH02			160	9.06	95.0	1.15	0.00	21.10
RAH02			200	5.48	96.1	1.65	0.00	22.80
RAH03	2 571	2 577						
RAH03			20	31.32	62.0	0.00	5.60	7.60
RAH03			25	29.77	67.2	0.05	5.40	8.30
RAH03			32	28.15	72.0	0.08	5.20	9.20
RAH03			40	26.77	76.8	0.13	5.00	10.30
RAH03			50	25.22	81.2	0.18	4.70	11.50
RAH03			63	23.02	85.0	0.28	4.30	13.00
RAH03			80	20.09	88.3	0.41	3.70	14.80
RAH03			100	16.53	91.1	0.64	3.00	16.80
RAH03			125	12.20	93.3	0.98	1.80	18.80
RAH03			160	6.58	95.0	1.47	0.00	21.10
RAH03			200	2.86	96.1	2.11	0.00	22.80
RAH04	2 378	2 384						
RAH04			20	32.00	62.0	0.00	5.60	7.60
RAH04			25	30.45	67.2	0.05	5.40	8.30
RAH04			32	28.83	72.0	0.07	5.20	9.20
RAH04			40	27.46	76.8	0.12	5.00	10.30
RAH04			50	25.91	81.2	0.17	4.70	11.50
RAH04			63	23.72	85.0	0.26	4.30	13.00
RAH04			80	20.80	88.3	0.38	3.70	14.80
RAH04			100	17.26	91.1	0.60	3.00	16.80
RAH04			125	12.95	93.3	0.91	1.80	18.80
RAH04			160	7.37	95.0	1.36	0.00	21.10
RAH04			200	3.70	96.1	1.96	0.00	22.80
RAH05	2 979	2 984						
RAH05			20	30.05	62.0	0.00	5.60	7.60
RAH05			25	28.49	67.2	0.06	5.40	8.30
RAH05			32	26.86	72.0	0.09	5.20	9.20
RAH05			40	25.48	76.8	0.15	5.00	10.30
RAH05			50	23.92	81.2	0.21	4.70	11.50
RAH05			63	21.70	85.0	0.33	4.30	13.00
RAH05			80	18.75	88.3	0.48	3.70	14.80
RAH05			100	15.16	91.1	0.75	3.00	16.80
RAH05			125	10.77	93.3	1.13	1.80	18.80
RAH05			160	5.08	95.0	1.70	0.00	21.10
RAH05			200	1.26	96.1	2.45	0.00	22.80
RAH06	3 306	3 310						
RAH06			20	29.15	62.0	0.00	5.60	7.60
RAH06			25	27.59	67.2	0.07	5.40	8.30
RAH06			32	25.95	72.0	0.10	5.20	9.20
RAH06			40	24.56	76.8	0.17	5.00	10.30
RAH06			50	23.00	81.2	0.23	4.70	11.50
RAH06			63	20.76	85.0	0.36	4.30	13.00
RAH06			80	17.80	88.3	0.53	3.70	14.80
RAH06			100	14.18	91.1	0.83	3.00	16.80
RAH06			125	9.75	93.3	1.26	1.80	18.80
RAH06			160	3.99	95.0	1.89	0.00	21.10
RAH06			200	0.09	96.1	2.71	0.00	22.80
RAH07	3 572	3 576						
RAH07			20	28.48	62.0	0.00	5.60	7.60
RAH07			25	26.91	67.2	0.07	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			32	25.27	72.0	0.11	5.20	9.20
RAH07			40	23.88	76.8	0.18	5.00	10.30
RAH07			50	22.31	81.2	0.25	4.70	11.50
RAH07			63	20.06	85.0	0.39	4.30	13.00
RAH07			80	17.08	88.3	0.57	3.70	14.80
RAH07			100	13.44	91.1	0.89	3.00	16.80
RAH07			125	8.97	93.3	1.36	1.80	18.80
RAH07			160	3.17	95.0	2.04	0.00	21.10
RAH07			200	-0.80	96.1	2.93	0.00	22.80
RAH08	2 826	2 832						
RAH08			20	30.51	62.0	0.00	5.60	7.60
RAH08			25	28.95	67.2	0.06	5.40	8.30
RAH08			32	27.32	72.0	0.08	5.20	9.20
RAH08			40	25.94	76.8	0.14	5.00	10.30
RAH08			50	24.39	81.2	0.20	4.70	11.50
RAH08			63	22.17	85.0	0.31	4.30	13.00
RAH08			80	19.23	88.3	0.45	3.70	14.80
RAH08			100	15.65	91.1	0.71	3.00	16.80
RAH08			125	11.28	93.3	1.08	1.80	18.80
RAH08			160	5.62	95.0	1.61	0.00	21.10
RAH08			200	1.84	96.1	2.32	0.00	22.80
RAH09	3 051	3 056						
RAH09			20	29.84	62.0	0.00	5.60	7.60
RAH09			25	28.28	67.2	0.06	5.40	8.30
RAH09			32	26.65	72.0	0.09	5.20	9.20
RAH09			40	25.27	76.8	0.15	5.00	10.30
RAH09			50	23.71	81.2	0.21	4.70	11.50
RAH09			63	21.48	85.0	0.34	4.30	13.00
RAH09			80	18.53	88.3	0.49	3.70	14.80
RAH09			100	14.93	91.1	0.76	3.00	16.80
RAH09			125	10.54	93.3	1.16	1.80	18.80
RAH09			160	4.83	95.0	1.74	0.00	21.10
RAH09			200	0.99	96.1	2.51	0.00	22.80
RAH10	2 226	2 232						
RAH10			20	32.57	62.0	0.00	5.60	7.60
RAH10			25	31.03	67.2	0.04	5.40	8.30
RAH10			32	29.41	72.0	0.07	5.20	9.20
RAH10			40	28.04	76.8	0.11	5.00	10.30
RAH10			50	26.49	81.2	0.16	4.70	11.50
RAH10			63	24.30	85.0	0.25	4.30	13.00
RAH10			80	21.39	88.3	0.36	3.70	14.80
RAH10			100	17.87	91.1	0.56	3.00	16.80
RAH10			125	13.58	93.3	0.85	1.80	18.80
RAH10			160	8.03	95.0	1.27	0.00	21.10
RAH10			200	4.39	96.1	1.83	0.00	22.80
RAH11	2 758	2 764						
RAH11			20	30.72	62.0	0.00	5.60	7.60
RAH11			25	29.16	67.2	0.06	5.40	8.30
RAH11			32	27.54	72.0	0.08	5.20	9.20
RAH11			40	26.16	76.8	0.14	5.00	10.30
RAH11			50	24.60	81.2	0.19	4.70	11.50
RAH11			63	22.39	85.0	0.30	4.30	13.00
RAH11			80	19.45	88.3	0.44	3.70	14.80
RAH11			100	15.88	91.1	0.69	3.00	16.80
RAH11			125	11.52	93.3	1.05	1.80	18.80
RAH11			160	5.87	95.0	1.58	0.00	21.10
RAH11			200	2.10	96.1	2.27	0.00	22.80
RAH12	2 423	2 429						
RAH12			20	31.84	62.0	0.00	5.60	7.60
RAH12			25	30.29	67.2	0.05	5.40	8.30
RAH12			32	28.67	72.0	0.07	5.20	9.20
RAH12			40	27.29	76.8	0.12	5.00	10.30
RAH12			50	25.75	81.2	0.17	4.70	11.50
RAH12			63	23.55	85.0	0.27	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH12			80	20.63	88.3	0.39	3.70	14.80
RAH12			100	17.08	91.1	0.61	3.00	16.80
RAH12			125	12.77	93.3	0.92	1.80	18.80
RAH12			160	7.18	95.0	1.38	0.00	21.10
RAH12			200	3.50	96.1	1.99	0.00	22.80
RAH13	3 294	3 299						
RAH13			20	29.18	62.0	0.00	5.60	7.60
RAH13			25	27.62	67.2	0.07	5.40	8.30
RAH13			32	25.98	72.0	0.10	5.20	9.20
RAH13			40	24.59	76.8	0.16	5.00	10.30
RAH13			50	23.03	81.2	0.23	4.70	11.50
RAH13			63	20.79	85.0	0.36	4.30	13.00
RAH13			80	17.83	88.3	0.53	3.70	14.80
RAH13			100	14.21	91.1	0.82	3.00	16.80
RAH13			125	9.78	93.3	1.25	1.80	18.80
RAH13			160	4.03	95.0	1.88	0.00	21.10
RAH13			200	0.13	96.1	2.70	0.00	22.80
RAH14	3 544	3 548						
RAH14			20	28.55	62.0	0.00	5.60	7.60
RAH14			25	26.98	67.2	0.07	5.40	8.30
RAH14			32	25.34	72.0	0.11	5.20	9.20
RAH14			40	23.95	76.8	0.18	5.00	10.30
RAH14			50	22.38	81.2	0.25	4.70	11.50
RAH14			63	20.13	85.0	0.39	4.30	13.00
RAH14			80	17.16	88.3	0.57	3.70	14.80
RAH14			100	13.51	91.1	0.89	3.00	16.80
RAH14			125	9.05	93.3	1.35	1.80	18.80
RAH14			160	3.25	95.0	2.02	0.00	21.10
RAH14			200	-0.71	96.1	2.91	0.00	22.80
RAH15	4 367	4 371						
RAH15			20	26.74	62.0	0.00	5.60	7.60
RAH15			25	25.15	67.2	0.09	5.40	8.30
RAH15			32	23.51	72.0	0.13	5.20	9.20
RAH15			40	22.09	76.8	0.22	5.00	10.30
RAH15			50	20.51	81.2	0.31	4.70	11.50
RAH15			63	18.23	85.0	0.48	4.30	13.00
RAH15			80	15.21	88.3	0.70	3.70	14.80
RAH15			100	11.50	91.1	1.09	3.00	16.80
RAH15			125	6.93	93.3	1.66	1.80	18.80
RAH15			160	0.97	95.0	2.49	0.00	21.10
RAH15			200	-3.20	96.1	3.58	0.00	22.80
RAH16	3 761	3 765						
RAH16			20	28.03	62.0	0.00	5.60	7.60
RAH16			25	26.46	67.2	0.08	5.40	8.30
RAH16			32	24.82	72.0	0.11	5.20	9.20
RAH16			40	23.42	76.8	0.19	5.00	10.30
RAH16			50	21.84	81.2	0.26	4.70	11.50
RAH16			63	19.59	85.0	0.41	4.30	13.00
RAH16			80	16.61	88.3	0.60	3.70	14.80
RAH16			100	12.94	91.1	0.94	3.00	16.80
RAH16			125	8.45	93.3	1.43	1.80	18.80
RAH16			160	2.61	95.0	2.15	0.00	21.10
RAH16			200	-1.40	96.1	3.09	0.00	22.80
RAH17	5 259	5 263						
RAH17			20	25.12	62.0	0.00	5.60	7.60
RAH17			25	23.52	67.2	0.11	5.40	8.30
RAH17			32	21.87	72.0	0.16	5.20	9.20
RAH17			40	20.44	76.8	0.26	5.00	10.30
RAH17			50	18.83	81.2	0.37	4.70	11.50
RAH17			63	16.52	85.0	0.58	4.30	13.00
RAH17			80	13.46	88.3	0.84	3.70	14.80
RAH17			100	9.66	91.1	1.32	3.00	16.80
RAH17			125	4.98	93.3	2.00	1.80	18.80
RAH17			160	-1.15	95.0	3.00	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH17			200	-5.54	96.1	4.32	0.00	22.80
RAH18	5 060	5 063						
RAH18			20	25.46	62.0	0.00	5.60	7.60
RAH18			25	23.86	67.2	0.10	5.40	8.30
RAH18			32	22.21	72.0	0.15	5.20	9.20
RAH18			40	20.78	76.8	0.25	5.00	10.30
RAH18			50	19.18	81.2	0.35	4.70	11.50
RAH18			63	16.88	85.0	0.56	4.30	13.00
RAH18			80	13.83	88.3	0.81	3.70	14.80
RAH18			100	10.05	91.1	1.27	3.00	16.80
RAH18			125	5.39	93.3	1.92	1.80	18.80
RAH18			160	-0.70	95.0	2.89	0.00	21.10
RAH18			200	-5.04	96.1	4.15	0.00	22.80
RAH19	6 016	6 019						
RAH19			20	23.96	62.0	0.00	5.60	7.60
RAH19			25	22.34	67.2	0.12	5.40	8.30
RAH19			32	20.68	72.0	0.18	5.20	9.20
RAH19			40	19.23	76.8	0.30	5.00	10.30
RAH19			50	17.61	81.2	0.42	4.70	11.50
RAH19			63	15.27	85.0	0.66	4.30	13.00
RAH19			80	12.17	88.3	0.96	3.70	14.80
RAH19			100	8.30	91.1	1.50	3.00	16.80
RAH19			125	3.52	93.3	2.29	1.80	18.80
RAH19			160	-2.75	95.0	3.43	0.00	21.10
RAH19			200	-7.33	96.1	4.94	0.00	22.80
SIL01	9 892	9 893						
SIL01			20	20.92	63.3	0.00	5.60	7.60
SIL01			25	19.11	68.4	0.20	5.40	8.30
SIL01			32	13.13	68.9	0.30	5.20	9.20
SIL01			40	10.02	72.1	0.49	5.00	10.30
SIL01			50	8.62	76.8	0.69	4.70	11.50
SIL01			63	5.31	79.8	1.09	4.30	13.00
SIL01			80	1.52	82.6	1.58	3.70	14.80
SIL01			100	-2.05	86.0	2.47	3.00	16.80
SIL01			125	-6.28	89.3	3.76	1.80	18.80
SIL01			160	-16.06	88.2	5.64	0.00	21.10
SIL01			200	-20.93	90.0	8.11	0.00	22.80
SIL02	9 845	9 846						
SIL02			20	20.96	63.3	0.00	5.60	7.60
SIL02			25	19.15	68.4	0.20	5.40	8.30
SIL02			32	13.17	68.9	0.30	5.20	9.20
SIL02			40	10.07	72.1	0.49	5.00	10.30
SIL02			50	8.67	76.8	0.69	4.70	11.50
SIL02			63	5.36	79.8	1.08	4.30	13.00
SIL02			80	1.57	82.6	1.58	3.70	14.80
SIL02			100	-2.00	86.0	2.46	3.00	16.80
SIL02			125	-6.22	89.3	3.74	1.80	18.80
SIL02			160	-16.00	88.2	5.61	0.00	21.10
SIL02			200	-20.85	90.0	8.07	0.00	22.80
SIL03	9 600	9 602						
SIL03			20	21.18	63.3	0.00	5.60	7.60
SIL03			25	19.38	68.4	0.19	5.40	8.30
SIL03			32	13.39	68.9	0.29	5.20	9.20
SIL03			40	10.30	72.1	0.48	5.00	10.30
SIL03			50	8.90	76.8	0.67	4.70	11.50
SIL03			63	5.60	79.8	1.06	4.30	13.00
SIL03			80	1.83	82.6	1.54	3.70	14.80
SIL03			100	-1.72	86.0	2.40	3.00	16.80
SIL03			125	-5.91	89.3	3.65	1.80	18.80
SIL03			160	-15.64	88.2	5.47	0.00	21.10
SIL03			200	-20.43	90.0	7.87	0.00	22.80
SIL04	9 235	9 237						
SIL04			20	21.51	63.3	0.00	5.60	7.60
SIL04			25	19.72	68.4	0.18	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			32	13.74	68.9	0.28	5.20	9.20
SIL04			40	10.65	72.1	0.46	5.00	10.30
SIL04			50	9.27	76.8	0.65	4.70	11.50
SIL04			63	5.98	79.8	1.02	4.30	13.00
SIL04			80	2.22	82.6	1.48	3.70	14.80
SIL04			100	-1.29	86.0	2.31	3.00	16.80
SIL04			125	-5.43	89.3	3.51	1.80	18.80
SIL04			160	-15.09	88.2	5.27	0.00	21.10
SIL04			200	-19.80	90.0	7.57	0.00	22.80
SIL05	9 341	9 343						
SIL05			20	21.41	63.3	0.00	5.60	7.60
SIL05			25	19.62	68.4	0.19	5.40	8.30
SIL05			32	13.64	68.9	0.28	5.20	9.20
SIL05			40	10.55	72.1	0.47	5.00	10.30
SIL05			50	9.16	76.8	0.65	4.70	11.50
SIL05			63	5.87	79.8	1.03	4.30	13.00
SIL05			80	2.11	82.6	1.49	3.70	14.80
SIL05			100	-1.42	86.0	2.34	3.00	16.80
SIL05			125	-5.57	89.3	3.55	1.80	18.80
SIL05			160	-15.25	88.2	5.33	0.00	21.10
SIL05			200	-19.98	90.0	7.66	0.00	22.80
SIL06	9 328	9 329						
SIL06			20	21.43	63.3	0.00	5.60	7.60
SIL06			25	19.63	68.4	0.19	5.40	8.30
SIL06			32	13.65	68.9	0.28	5.20	9.20
SIL06			40	10.56	72.1	0.47	5.00	10.30
SIL06			50	9.17	76.8	0.65	4.70	11.50
SIL06			63	5.88	79.8	1.03	4.30	13.00
SIL06			80	2.12	82.6	1.49	3.70	14.80
SIL06			100	-1.40	86.0	2.33	3.00	16.80
SIL06			125	-5.55	89.3	3.55	1.80	18.80
SIL06			160	-15.23	88.2	5.32	0.00	21.10
SIL06			200	-19.96	90.0	7.65	0.00	22.80
SIL07	8 772	8 773						
SIL07			20	21.96	63.3	0.00	5.60	7.60
SIL07			25	20.18	68.4	0.18	5.40	8.30
SIL07			32	14.20	68.9	0.26	5.20	9.20
SIL07			40	11.12	72.1	0.44	5.00	10.30
SIL07			50	9.75	76.8	0.61	4.70	11.50
SIL07			63	6.48	79.8	0.97	4.30	13.00
SIL07			80	2.74	82.6	1.40	3.70	14.80
SIL07			100	-0.73	86.0	2.19	3.00	16.80
SIL07			125	-4.81	89.3	3.33	1.80	18.80
SIL07			160	-14.38	88.2	5.00	0.00	21.10
SIL07			200	-18.97	90.0	7.19	0.00	22.80
SIL08	8 722	8 724						
SIL08			20	22.01	63.3	0.00	5.60	7.60
SIL08			25	20.23	68.4	0.17	5.40	8.30
SIL08			32	14.25	68.9	0.26	5.20	9.20
SIL08			40	11.17	72.1	0.44	5.00	10.30
SIL08			50	9.80	76.8	0.61	4.70	11.50
SIL08			63	6.53	79.8	0.96	4.30	13.00
SIL08			80	2.80	82.6	1.40	3.70	14.80
SIL08			100	-0.67	86.0	2.18	3.00	16.80
SIL08			125	-4.74	89.3	3.32	1.80	18.80
SIL08			160	-14.30	88.2	4.97	0.00	21.10
SIL08			200	-18.88	90.0	7.15	0.00	22.80
Sum								
Sum			20	44.67				
Sum			25	42.76				
Sum			32	41.18				
Sum			40	39.50				
Sum			50	38.08				
Sum			63	35.39				

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
Sum			80	32.36				
Sum			100	29.01				
Sum			125	24.19				
Sum			160	18.47				
Sum			200	14.68				

Noise sensitive area: G Noise sensitive point: Finnish normal frequency - User defined (4)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	10 603	10 605						
KAR01			20	20.89	63.9	0.00	5.60	7.60
KAR01			25	17.88	67.8	0.21	5.40	8.30
KAR01			32	16.87	73.3	0.32	5.20	9.20
KAR01			40	14.16	76.9	0.53	5.00	10.30
KAR01			50	13.15	82.0	0.74	4.70	11.50
KAR01			63	8.12	83.3	1.17	4.30	13.00
KAR01			80	4.29	86.1	1.70	3.70	14.80
KAR01			100	1.94	90.8	2.65	3.00	16.80
KAR01			125	-7.14	89.3	4.03	1.80	18.80
KAR01			160	-14.65	90.6	6.04	0.00	21.10
KAR01			200	-20.21	91.9	8.70	0.00	22.80
KAR02	10 266	10 268						
KAR02			20	21.17	63.9	0.00	5.60	7.60
KAR02			25	18.17	67.8	0.21	5.40	8.30
KAR02			32	17.16	73.3	0.31	5.20	9.20
KAR02			40	14.46	76.9	0.51	5.00	10.30
KAR02			50	13.45	82.0	0.72	4.70	11.50
KAR02			63	8.44	83.3	1.13	4.30	13.00
KAR02			80	4.63	86.1	1.64	3.70	14.80
KAR02			100	2.30	90.8	2.57	3.00	16.80
KAR02			125	-6.73	89.3	3.90	1.80	18.80
KAR02			160	-14.18	90.6	5.85	0.00	21.10
KAR02			200	-19.65	91.9	8.42	0.00	22.80
KAR03	10 750	10 752						
KAR03			20	20.77	63.9	0.00	5.60	7.60
KAR03			25	17.75	67.8	0.22	5.40	8.30
KAR03			32	16.75	73.3	0.32	5.20	9.20
KAR03			40	14.03	76.9	0.54	5.00	10.30
KAR03			50	13.02	82.0	0.75	4.70	11.50
KAR03			63	7.99	83.3	1.18	4.30	13.00
KAR03			80	4.15	86.1	1.72	3.70	14.80
KAR03			100	1.78	90.8	2.69	3.00	16.80
KAR03			125	-7.32	89.3	4.09	1.80	18.80
KAR03			160	-14.86	90.6	6.13	0.00	21.10
KAR03			200	-20.45	91.9	8.82	0.00	22.80
KAR04	11 373	11 375						
KAR04			20	20.28	63.9	0.00	5.60	7.60
KAR04			25	17.25	67.8	0.23	5.40	8.30
KAR04			32	16.24	73.3	0.34	5.20	9.20
KAR04			40	13.51	76.9	0.57	5.00	10.30
KAR04			50	12.49	82.0	0.80	4.70	11.50
KAR04			63	7.43	83.3	1.25	4.30	13.00
KAR04			80	3.56	86.1	1.82	3.70	14.80
KAR04			100	1.14	90.8	2.84	3.00	16.80
KAR04			125	-8.04	89.3	4.32	1.80	18.80
KAR04			160	-15.70	90.6	6.48	0.00	21.10
KAR04			200	-21.45	91.9	9.33	0.00	22.80
KAR05	11 970	11 972						
KAR05			20	19.84	63.9	0.00	5.60	7.60
KAR05			25	16.80	67.8	0.24	5.40	8.30
KAR05			32	15.78	73.3	0.36	5.20	9.20
KAR05			40	13.04	76.9	0.60	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR05			50	12.00	82.0	0.84	4.70	11.50
KAR05			63	6.92	83.3	1.32	4.30	13.00
KAR05			80	3.02	86.1	1.92	3.70	14.80
KAR05			100	0.54	90.8	2.99	3.00	16.80
KAR05			125	-8.71	89.3	4.55	1.80	18.80
KAR05			160	-16.49	90.6	6.82	0.00	21.10
KAR05			200	-22.38	91.9	9.82	0.00	22.80
KAR06	11 188	11 190						
KAR06			20	20.42	63.9	0.00	5.60	7.60
KAR06			25	17.40	67.8	0.22	5.40	8.30
KAR06			32	16.39	73.3	0.34	5.20	9.20
KAR06			40	13.66	76.9	0.56	5.00	10.30
KAR06			50	12.64	82.0	0.78	4.70	11.50
KAR06			63	7.59	83.3	1.23	4.30	13.00
KAR06			80	3.73	86.1	1.79	3.70	14.80
KAR06			100	1.33	90.8	2.80	3.00	16.80
KAR06			125	-7.83	89.3	4.25	1.80	18.80
KAR06			160	-15.46	90.6	6.38	0.00	21.10
KAR06			200	-21.15	91.9	9.18	0.00	22.80
KAR07	10 827	10 829						
KAR07			20	20.71	63.9	0.00	5.60	7.60
KAR07			25	17.69	67.8	0.22	5.40	8.30
KAR07			32	16.68	73.3	0.32	5.20	9.20
KAR07			40	13.97	76.9	0.54	5.00	10.30
KAR07			50	12.95	82.0	0.76	4.70	11.50
KAR07			63	7.92	83.3	1.19	4.30	13.00
KAR07			80	4.08	86.1	1.73	3.70	14.80
KAR07			100	1.70	90.8	2.71	3.00	16.80
KAR07			125	-7.41	89.3	4.11	1.80	18.80
KAR07			160	-14.96	90.6	6.17	0.00	21.10
KAR07			200	-20.57	91.9	8.88	0.00	22.80
KAR08	10 568	10 570						
KAR08			20	20.92	63.9	0.00	5.60	7.60
KAR08			25	17.91	67.8	0.21	5.40	8.30
KAR08			32	16.90	73.3	0.32	5.20	9.20
KAR08			40	14.19	76.9	0.53	5.00	10.30
KAR08			50	13.18	82.0	0.74	4.70	11.50
KAR08			63	8.16	83.3	1.16	4.30	13.00
KAR08			80	4.33	86.1	1.69	3.70	14.80
KAR08			100	1.98	90.8	2.64	3.00	16.80
KAR08			125	-7.10	89.3	4.02	1.80	18.80
KAR08			160	-14.61	90.6	6.02	0.00	21.10
KAR08			200	-20.15	91.9	8.67	0.00	22.80
KAR09	12 400	12 402						
KAR09			20	19.53	63.9	0.00	5.60	7.60
KAR09			25	16.48	67.8	0.25	5.40	8.30
KAR09			32	15.46	73.3	0.37	5.20	9.20
KAR09			40	12.71	76.9	0.62	5.00	10.30
KAR09			50	11.66	82.0	0.87	4.70	11.50
KAR09			63	6.57	83.3	1.36	4.30	13.00
KAR09			80	2.65	86.1	1.98	3.70	14.80
KAR09			100	0.13	90.8	3.10	3.00	16.80
KAR09			125	-9.18	89.3	4.71	1.80	18.80
KAR09			160	-17.04	90.6	7.07	0.00	21.10
KAR09			200	-23.04	91.9	10.17	0.00	22.80
KAR10	11 999	12 001						
KAR10			20	19.82	63.9	0.00	5.60	7.60
KAR10			25	16.78	67.8	0.24	5.40	8.30
KAR10			32	15.76	73.3	0.36	5.20	9.20
KAR10			40	13.02	76.9	0.60	5.00	10.30
KAR10			50	11.98	82.0	0.84	4.70	11.50
KAR10			63	6.90	83.3	1.32	4.30	13.00
KAR10			80	3.00	86.1	1.92	3.70	14.80
KAR10			100	0.52	90.8	3.00	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR10			125	-8.74	89.3	4.56	1.80	18.80
KAR10			160	-16.53	90.6	6.84	0.00	21.10
KAR10			200	-22.43	91.9	9.84	0.00	22.80
KAR11	11 547	11 548						
KAR11			20	20.15	63.9	0.00	5.60	7.60
KAR11			25	17.12	67.8	0.23	5.40	8.30
KAR11			32	16.10	73.3	0.35	5.20	9.20
KAR11			40	13.37	76.9	0.58	5.00	10.30
KAR11			50	12.34	82.0	0.81	4.70	11.50
KAR11			63	7.28	83.3	1.27	4.30	13.00
KAR11			80	3.40	86.1	1.85	3.70	14.80
KAR11			100	0.96	90.8	2.89	3.00	16.80
KAR11			125	-8.24	89.3	4.39	1.80	18.80
KAR11			160	-15.93	90.6	6.58	0.00	21.10
KAR11			200	-21.72	91.9	9.47	0.00	22.80
KAR12	12 405	12 407						
KAR12			20	19.53	63.9	0.00	5.60	7.60
KAR12			25	16.48	67.8	0.25	5.40	8.30
KAR12			32	15.45	73.3	0.37	5.20	9.20
KAR12			40	12.71	76.9	0.62	5.00	10.30
KAR12			50	11.66	82.0	0.87	4.70	11.50
KAR12			63	6.56	83.3	1.36	4.30	13.00
KAR12			80	2.64	86.1	1.99	3.70	14.80
KAR12			100	0.13	90.8	3.10	3.00	16.80
KAR12			125	-9.19	89.3	4.71	1.80	18.80
KAR12			160	-17.04	90.6	7.07	0.00	21.10
KAR12			200	-23.05	91.9	10.17	0.00	22.80
KAR13	11 782	11 783						
KAR13			20	19.97	63.9	0.00	5.60	7.60
KAR13			25	16.94	67.8	0.24	5.40	8.30
KAR13			32	15.92	73.3	0.35	5.20	9.20
KAR13			40	13.19	76.9	0.59	5.00	10.30
KAR13			50	12.15	82.0	0.82	4.70	11.50
KAR13			63	7.08	83.3	1.30	4.30	13.00
KAR13			80	3.19	86.1	1.89	3.70	14.80
KAR13			100	0.73	90.8	2.95	3.00	16.80
KAR13			125	-8.50	89.3	4.48	1.80	18.80
KAR13			160	-16.24	90.6	6.72	0.00	21.10
KAR13			200	-22.09	91.9	9.66	0.00	22.80
KAR14	12 888	12 890						
KAR14			20	19.20	63.9	0.00	5.60	7.60
KAR14			25	16.14	67.8	0.26	5.40	8.30
KAR14			32	15.11	73.3	0.39	5.20	9.20
KAR14			40	12.35	76.9	0.64	5.00	10.30
KAR14			50	11.29	82.0	0.90	4.70	11.50
KAR14			63	6.18	83.3	1.42	4.30	13.00
KAR14			80	2.23	86.1	2.06	3.70	14.80
KAR14			100	-0.33	90.8	3.22	3.00	16.80
KAR14			125	-9.70	89.3	4.90	1.80	18.80
KAR14			160	-17.65	90.6	7.35	0.00	21.10
KAR14			200	-23.77	91.9	10.57	0.00	22.80
KAR15	11 548	11 550						
KAR15			20	20.15	63.9	0.00	5.60	7.60
KAR15			25	17.12	67.8	0.23	5.40	8.30
KAR15			32	16.10	73.3	0.35	5.20	9.20
KAR15			40	13.37	76.9	0.58	5.00	10.30
KAR15			50	12.34	82.0	0.81	4.70	11.50
KAR15			63	7.28	83.3	1.27	4.30	13.00
KAR15			80	3.40	86.1	1.85	3.70	14.80
KAR15			100	0.96	90.8	2.89	3.00	16.80
KAR15			125	-8.24	89.3	4.39	1.80	18.80
KAR15			160	-15.93	90.6	6.58	0.00	21.10
KAR15			200	-21.72	91.9	9.47	0.00	22.80
KAR16	13 046	13 048						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			20	19.09	63.9	0.00	5.60	7.60
KAR16			25	16.03	67.8	0.26	5.40	8.30
KAR16			32	15.00	73.3	0.39	5.20	9.20
KAR16			40	12.24	76.9	0.65	5.00	10.30
KAR16			50	11.18	82.0	0.91	4.70	11.50
KAR16			63	6.05	83.3	1.44	4.30	13.00
KAR16			80	2.10	86.1	2.09	3.70	14.80
KAR16			100	-0.47	90.8	3.26	3.00	16.80
KAR16			125	-9.87	89.3	4.96	1.80	18.80
KAR16			160	-17.85	90.6	7.44	0.00	21.10
KAR16			200	-24.01	91.9	10.70	0.00	22.80
KAR17	12 782	12 784						
KAR17			20	19.27	63.9	0.00	5.60	7.60
KAR17			25	16.21	67.8	0.26	5.40	8.30
KAR17			32	15.18	73.3	0.38	5.20	9.20
KAR17			40	12.43	76.9	0.64	5.00	10.30
KAR17			50	11.37	82.0	0.89	4.70	11.50
KAR17			63	6.26	83.3	1.41	4.30	13.00
KAR17			80	2.32	86.1	2.05	3.70	14.80
KAR17			100	-0.23	90.8	3.20	3.00	16.80
KAR17			125	-9.59	89.3	4.86	1.80	18.80
KAR17			160	-17.52	90.6	7.29	0.00	21.10
KAR17			200	-23.62	91.9	10.48	0.00	22.80
KAR18	13 594	13 596						
KAR18			20	18.73	63.9	0.00	5.60	7.60
KAR18			25	15.66	67.8	0.27	5.40	8.30
KAR18			32	14.62	73.3	0.41	5.20	9.20
KAR18			40	11.85	76.9	0.68	5.00	10.30
KAR18			50	10.78	82.0	0.95	4.70	11.50
KAR18			63	5.64	83.3	1.50	4.30	13.00
KAR18			80	1.66	86.1	2.18	3.70	14.80
KAR18			100	-0.97	90.8	3.40	3.00	16.80
KAR18			125	-10.43	89.3	5.17	1.80	18.80
KAR18			160	-18.52	90.6	7.75	0.00	21.10
KAR18			200	-24.82	91.9	11.15	0.00	22.80
KAR19	12 139	12 141						
KAR19			20	19.72	63.9	0.00	5.60	7.60
KAR19			25	16.67	67.8	0.24	5.40	8.30
KAR19			32	15.65	73.3	0.36	5.20	9.20
KAR19			40	12.91	76.9	0.61	5.00	10.30
KAR19			50	11.87	82.0	0.85	4.70	11.50
KAR19			63	6.78	83.3	1.34	4.30	13.00
KAR19			80	2.87	86.1	1.94	3.70	14.80
KAR19			100	0.38	90.8	3.04	3.00	16.80
KAR19			125	-8.90	89.3	4.61	1.80	18.80
KAR19			160	-16.71	90.6	6.92	0.00	21.10
KAR19			200	-22.64	91.9	9.96	0.00	22.80
KAR20	13 459	13 461						
KAR20			20	18.82	63.9	0.00	5.60	7.60
KAR20			25	15.75	67.8	0.27	5.40	8.30
KAR20			32	14.71	73.3	0.40	5.20	9.20
KAR20			40	11.95	76.9	0.67	5.00	10.30
KAR20			50	10.88	82.0	0.94	4.70	11.50
KAR20			63	5.74	83.3	1.48	4.30	13.00
KAR20			80	1.76	86.1	2.15	3.70	14.80
KAR20			100	-0.85	90.8	3.37	3.00	16.80
KAR20			125	-10.30	89.3	5.12	1.80	18.80
KAR20			160	-18.35	90.6	7.67	0.00	21.10
KAR20			200	-24.62	91.9	11.04	0.00	22.80
KAR21	13 054	13 056						
KAR21			20	19.08	63.9	0.00	5.60	7.60
KAR21			25	16.02	67.8	0.26	5.40	8.30
KAR21			32	14.99	73.3	0.39	5.20	9.20
KAR21			40	12.23	76.9	0.65	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR21			50	11.17	82.0	0.91	4.70	11.50
KAR21			63	6.05	83.3	1.44	4.30	13.00
KAR21			80	2.10	86.1	2.09	3.70	14.80
KAR21			100	-0.48	90.8	3.26	3.00	16.80
KAR21			125	-9.88	89.3	4.96	1.80	18.80
KAR21			160	-17.86	90.6	7.44	0.00	21.10
KAR21			200	-24.02	91.9	10.71	0.00	22.80
KAR22	12 930	12 932						
KAR22			20	19.17	63.9	0.00	5.60	7.60
KAR22			25	16.11	67.8	0.26	5.40	8.30
KAR22			32	15.08	73.3	0.39	5.20	9.20
KAR22			40	12.32	76.9	0.65	5.00	10.30
KAR22			50	11.26	82.0	0.91	4.70	11.50
KAR22			63	6.14	83.3	1.42	4.30	13.00
KAR22			80	2.20	86.1	2.07	3.70	14.80
KAR22			100	-0.37	90.8	3.23	3.00	16.80
KAR22			125	-9.75	89.3	4.91	1.80	18.80
KAR22			160	-17.70	90.6	7.37	0.00	21.10
KAR22			200	-23.84	91.9	10.60	0.00	22.80
KAR23	13 533	13 535						
KAR23			20	18.77	63.9	0.00	5.60	7.60
KAR23			25	15.70	67.8	0.27	5.40	8.30
KAR23			32	14.66	73.3	0.41	5.20	9.20
KAR23			40	11.89	76.9	0.68	5.00	10.30
KAR23			50	10.82	82.0	0.95	4.70	11.50
KAR23			63	5.68	83.3	1.49	4.30	13.00
KAR23			80	1.71	86.1	2.17	3.70	14.80
KAR23			100	-0.91	90.8	3.38	3.00	16.80
KAR23			125	-10.37	89.3	5.14	1.80	18.80
KAR23			160	-18.44	90.6	7.71	0.00	21.10
KAR23			200	-24.73	91.9	11.10	0.00	22.80
KAR24	10 949	10 951						
KAR24			20	20.61	63.9	0.00	5.60	7.60
KAR24			25	17.59	67.8	0.22	5.40	8.30
KAR24			32	16.58	73.3	0.33	5.20	9.20
KAR24			40	13.86	76.9	0.55	5.00	10.30
KAR24			50	12.84	82.0	0.77	4.70	11.50
KAR24			63	7.81	83.3	1.20	4.30	13.00
KAR24			80	3.96	86.1	1.75	3.70	14.80
KAR24			100	1.57	90.8	2.74	3.00	16.80
KAR24			125	-7.55	89.3	4.16	1.80	18.80
KAR24			160	-15.13	90.6	6.24	0.00	21.10
KAR24			200	-20.77	91.9	8.98	0.00	22.80
KAR25	9 971	9 973						
KAR25			20	21.42	63.9	0.00	5.60	7.60
KAR25			25	18.42	67.8	0.20	5.40	8.30
KAR25			32	17.42	73.3	0.30	5.20	9.20
KAR25			40	14.73	76.9	0.50	5.00	10.30
KAR25			50	13.73	82.0	0.70	4.70	11.50
KAR25			63	8.73	83.3	1.10	4.30	13.00
KAR25			80	4.93	86.1	1.60	3.70	14.80
KAR25			100	2.63	90.8	2.49	3.00	16.80
KAR25			125	-6.37	89.3	3.79	1.80	18.80
KAR25			160	-13.76	90.6	5.68	0.00	21.10
KAR25			200	-19.15	91.9	8.18	0.00	22.80
MAA01	5 207	5 210						
MAA01			20	27.06	63.9	0.00	5.60	7.60
MAA01			25	24.16	67.8	0.10	5.40	8.30
MAA01			32	23.21	73.3	0.16	5.20	9.20
MAA01			40	20.60	76.9	0.26	5.00	10.30
MAA01			50	19.70	82.0	0.36	4.70	11.50
MAA01			63	14.89	83.3	0.57	4.30	13.00
MAA01			80	11.33	86.1	0.83	3.70	14.80
MAA01			100	9.46	90.8	1.30	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA01			125	1.08	89.3	1.98	1.80	18.80
MAA01			160	-5.41	90.6	2.97	0.00	21.10
MAA01			200	-9.61	91.9	4.27	0.00	22.80
MAA03	4 640	4 642						
MAA03			20	28.07	63.9	0.00	5.60	7.60
MAA03			25	25.17	67.8	0.09	5.40	8.30
MAA03			32	24.23	73.3	0.14	5.20	9.20
MAA03			40	21.63	76.9	0.23	5.00	10.30
MAA03			50	20.74	82.0	0.32	4.70	11.50
MAA03			63	15.95	83.3	0.51	4.30	13.00
MAA03			80	12.42	86.1	0.74	3.70	14.80
MAA03			100	10.60	90.8	1.16	3.00	16.80
MAA03			125	2.30	89.3	1.76	1.80	18.80
MAA03			160	-4.08	90.6	2.65	0.00	21.10
MAA03			200	-8.14	91.9	3.81	0.00	22.80
MAA04	5 218	5 221						
MAA04			20	27.05	63.9	0.00	5.60	7.60
MAA04			25	24.14	67.8	0.10	5.40	8.30
MAA04			32	23.19	73.3	0.16	5.20	9.20
MAA04			40	20.58	76.9	0.26	5.00	10.30
MAA04			50	19.68	82.0	0.37	4.70	11.50
MAA04			63	14.87	83.3	0.57	4.30	13.00
MAA04			80	11.31	86.1	0.84	3.70	14.80
MAA04			100	9.44	90.8	1.31	3.00	16.80
MAA04			125	1.06	89.3	1.98	1.80	18.80
MAA04			160	-5.43	90.6	2.98	0.00	21.10
MAA04			200	-9.64	91.9	4.28	0.00	22.80
MAA05	4 254	4 257						
MAA05			20	28.82	63.9	0.00	5.60	7.60
MAA05			25	25.93	67.8	0.09	5.40	8.30
MAA05			32	24.99	73.3	0.13	5.20	9.20
MAA05			40	22.41	76.9	0.21	5.00	10.30
MAA05			50	21.52	82.0	0.30	4.70	11.50
MAA05			63	16.75	83.3	0.47	4.30	13.00
MAA05			80	13.24	86.1	0.68	3.70	14.80
MAA05			100	11.45	90.8	1.06	3.00	16.80
MAA05			125	3.20	89.3	1.62	1.80	18.80
MAA05			160	-3.11	90.6	2.43	0.00	21.10
MAA05			200	-7.07	91.9	3.49	0.00	22.80
MAA06	4 155	4 158						
MAA06			20	29.02	63.9	0.00	5.60	7.60
MAA06			25	26.14	67.8	0.08	5.40	8.30
MAA06			32	25.20	73.3	0.12	5.20	9.20
MAA06			40	22.62	76.9	0.21	5.00	10.30
MAA06			50	21.73	82.0	0.29	4.70	11.50
MAA06			63	16.97	83.3	0.46	4.30	13.00
MAA06			80	13.46	86.1	0.67	3.70	14.80
MAA06			100	11.68	90.8	1.04	3.00	16.80
MAA06			125	3.44	89.3	1.58	1.80	18.80
MAA06			160	-2.85	90.6	2.37	0.00	21.10
MAA06			200	-6.79	91.9	3.41	0.00	22.80
MAA07	4 566	4 569						
MAA07			20	28.20	63.9	0.00	5.60	7.60
MAA07			25	25.31	67.8	0.09	5.40	8.30
MAA07			32	24.37	73.3	0.14	5.20	9.20
MAA07			40	21.77	76.9	0.23	5.00	10.30
MAA07			50	20.88	82.0	0.32	4.70	11.50
MAA07			63	16.10	83.3	0.50	4.30	13.00
MAA07			80	12.57	86.1	0.73	3.70	14.80
MAA07			100	10.76	90.8	1.14	3.00	16.80
MAA07			125	2.47	89.3	1.74	1.80	18.80
MAA07			160	-3.90	90.6	2.60	0.00	21.10
MAA07			200	-7.94	91.9	3.75	0.00	22.80
MAA08	4 972	4 974						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			20	27.47	63.9	0.00	5.60	7.60
MAA08			25	24.57	67.8	0.10	5.40	8.30
MAA08			32	23.62	73.3	0.15	5.20	9.20
MAA08			40	21.02	76.9	0.25	5.00	10.30
MAA08			50	20.12	82.0	0.35	4.70	11.50
MAA08			63	15.32	83.3	0.55	4.30	13.00
MAA08			80	11.77	86.1	0.80	3.70	14.80
MAA08			100	9.92	90.8	1.24	3.00	16.80
MAA08			125	1.58	89.3	1.89	1.80	18.80
MAA08			160	-4.87	90.6	2.84	0.00	21.10
MAA08			200	-9.01	91.9	4.08	0.00	22.80
RAH01	4 799	4 802						
RAH01			20	25.92	62.0	0.00	5.60	7.60
RAH01			25	24.32	67.2	0.10	5.40	8.30
RAH01			32	22.68	72.0	0.14	5.20	9.20
RAH01			40	21.26	76.8	0.24	5.00	10.30
RAH01			50	19.66	81.2	0.34	4.70	11.50
RAH01			63	17.37	85.0	0.53	4.30	13.00
RAH01			80	14.33	88.3	0.77	3.70	14.80
RAH01			100	10.57	91.1	1.20	3.00	16.80
RAH01			125	5.95	93.3	1.82	1.80	18.80
RAH01			160	-0.09	95.0	2.74	0.00	21.10
RAH01			200	-4.37	96.1	3.94	0.00	22.80
RAH02	4 032	4 035						
RAH02			20	27.43	62.0	0.00	5.60	7.60
RAH02			25	25.85	67.2	0.08	5.40	8.30
RAH02			32	24.21	72.0	0.12	5.20	9.20
RAH02			40	22.81	76.8	0.20	5.00	10.30
RAH02			50	21.22	81.2	0.28	4.70	11.50
RAH02			63	18.96	85.0	0.44	4.30	13.00
RAH02			80	15.96	88.3	0.65	3.70	14.80
RAH02			100	12.27	91.1	1.01	3.00	16.80
RAH02			125	7.75	93.3	1.53	1.80	18.80
RAH02			160	1.86	95.0	2.30	0.00	21.10
RAH02			200	-2.23	96.1	3.31	0.00	22.80
RAH03	4 797	4 801						
RAH03			20	25.92	62.0	0.00	5.60	7.60
RAH03			25	24.33	67.2	0.10	5.40	8.30
RAH03			32	22.68	72.0	0.14	5.20	9.20
RAH03			40	21.26	76.8	0.24	5.00	10.30
RAH03			50	19.66	81.2	0.34	4.70	11.50
RAH03			63	17.37	85.0	0.53	4.30	13.00
RAH03			80	14.33	88.3	0.77	3.70	14.80
RAH03			100	10.57	91.1	1.20	3.00	16.80
RAH03			125	5.95	93.3	1.82	1.80	18.80
RAH03			160	-0.09	95.0	2.74	0.00	21.10
RAH03			200	-4.36	96.1	3.94	0.00	22.80
RAH04	3 525	3 529						
RAH04			20	28.60	62.0	0.00	5.60	7.60
RAH04			25	27.03	67.2	0.07	5.40	8.30
RAH04			32	25.39	72.0	0.11	5.20	9.20
RAH04			40	24.00	76.8	0.18	5.00	10.30
RAH04			50	22.43	81.2	0.25	4.70	11.50
RAH04			63	20.18	85.0	0.39	4.30	13.00
RAH04			80	17.21	88.3	0.56	3.70	14.80
RAH04			100	13.57	91.1	0.88	3.00	16.80
RAH04			125	9.11	93.3	1.34	1.80	18.80
RAH04			160	3.31	95.0	2.01	0.00	21.10
RAH04			200	-0.65	96.1	2.89	0.00	22.80
RAH05	4 214	4 218						
RAH05			20	27.05	62.0	0.00	5.60	7.60
RAH05			25	25.46	67.2	0.08	5.40	8.30
RAH05			32	23.82	72.0	0.13	5.20	9.20
RAH05			40	22.41	76.8	0.21	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH05			50	20.83	81.2	0.30	4.70	11.50
RAH05			63	18.56	85.0	0.46	4.30	13.00
RAH05			80	15.55	88.3	0.67	3.70	14.80
RAH05			100	11.84	91.1	1.05	3.00	16.80
RAH05			125	7.30	93.3	1.60	1.80	18.80
RAH05			160	1.37	95.0	2.40	0.00	21.10
RAH05			200	-2.76	96.1	3.46	0.00	22.80
RAH06	3 717	3 721						
RAH06			20	28.13	62.0	0.00	5.60	7.60
RAH06			25	26.56	67.2	0.07	5.40	8.30
RAH06			32	24.92	72.0	0.11	5.20	9.20
RAH06			40	23.52	76.8	0.19	5.00	10.30
RAH06			50	21.95	81.2	0.26	4.70	11.50
RAH06			63	19.70	85.0	0.41	4.30	13.00
RAH06			80	16.72	88.3	0.60	3.70	14.80
RAH06			100	13.06	91.1	0.93	3.00	16.80
RAH06			125	8.57	93.3	1.41	1.80	18.80
RAH06			160	2.74	95.0	2.12	0.00	21.10
RAH06			200	-1.26	96.1	3.05	0.00	22.80
RAH07	2 138	2 144						
RAH07			20	32.92	62.0	0.00	5.60	7.60
RAH07			25	31.38	67.2	0.04	5.40	8.30
RAH07			32	29.76	72.0	0.06	5.20	9.20
RAH07			40	28.39	76.8	0.11	5.00	10.30
RAH07			50	26.85	81.2	0.15	4.70	11.50
RAH07			63	24.66	85.0	0.24	4.30	13.00
RAH07			80	21.76	88.3	0.34	3.70	14.80
RAH07			100	18.24	91.1	0.54	3.00	16.80
RAH07			125	13.96	93.3	0.81	1.80	18.80
RAH07			160	8.43	95.0	1.22	0.00	21.10
RAH07			200	4.82	96.1	1.76	0.00	22.80
RAH08	2 063	2 069						
RAH08			20	33.23	62.0	0.00	5.60	7.60
RAH08			25	31.69	67.2	0.04	5.40	8.30
RAH08			32	30.07	72.0	0.06	5.20	9.20
RAH08			40	28.70	76.8	0.10	5.00	10.30
RAH08			50	27.16	81.2	0.14	4.70	11.50
RAH08			63	24.98	85.0	0.23	4.30	13.00
RAH08			80	22.08	88.3	0.33	3.70	14.80
RAH08			100	18.57	91.1	0.52	3.00	16.80
RAH08			125	14.30	93.3	0.79	1.80	18.80
RAH08			160	8.78	95.0	1.18	0.00	21.10
RAH08			200	5.19	96.1	1.70	0.00	22.80
RAH09	2 797	2 802						
RAH09			20	30.60	62.0	0.00	5.60	7.60
RAH09			25	29.04	67.2	0.06	5.40	8.30
RAH09			32	27.42	72.0	0.08	5.20	9.20
RAH09			40	26.03	76.8	0.14	5.00	10.30
RAH09			50	24.48	81.2	0.20	4.70	11.50
RAH09			63	22.27	85.0	0.31	4.30	13.00
RAH09			80	19.33	88.3	0.45	3.70	14.80
RAH09			100	15.75	91.1	0.70	3.00	16.80
RAH09			125	11.39	93.3	1.06	1.80	18.80
RAH09			160	5.73	95.0	1.60	0.00	21.10
RAH09			200	1.95	96.1	2.30	0.00	22.80
RAH10	2 708	2 713						
RAH10			20	30.88	62.0	0.00	5.60	7.60
RAH10			25	29.33	67.2	0.05	5.40	8.30
RAH10			32	27.70	72.0	0.08	5.20	9.20
RAH10			40	26.32	76.8	0.14	5.00	10.30
RAH10			50	24.77	81.2	0.19	4.70	11.50
RAH10			63	22.56	85.0	0.30	4.30	13.00
RAH10			80	19.62	88.3	0.43	3.70	14.80
RAH10			100	16.05	91.1	0.68	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH10			125	11.70	93.3	1.03	1.80	18.80
RAH10			160	6.06	95.0	1.55	0.00	21.10
RAH10			200	2.31	96.1	2.22	0.00	22.80
RAH11	5 727	5 730						
RAH11			20	24.39	62.0	0.00	5.60	7.60
RAH11			25	22.77	67.2	0.11	5.40	8.30
RAH11			32	21.11	72.0	0.17	5.20	9.20
RAH11			40	19.68	76.8	0.29	5.00	10.30
RAH11			50	18.06	81.2	0.40	4.70	11.50
RAH11			63	15.73	85.0	0.63	4.30	13.00
RAH11			80	12.65	88.3	0.92	3.70	14.80
RAH11			100	8.81	91.1	1.43	3.00	16.80
RAH11			125	4.06	93.3	2.18	1.80	18.80
RAH11			160	-2.15	95.0	3.27	0.00	21.10
RAH11			200	-6.66	96.1	4.70	0.00	22.80
RAH12	5 838	5 840						
RAH12			20	24.22	62.0	0.00	5.60	7.60
RAH12			25	22.60	67.2	0.12	5.40	8.30
RAH12			32	20.94	72.0	0.18	5.20	9.20
RAH12			40	19.50	76.8	0.29	5.00	10.30
RAH12			50	17.89	81.2	0.41	4.70	11.50
RAH12			63	15.55	85.0	0.64	4.30	13.00
RAH12			80	12.46	88.3	0.93	3.70	14.80
RAH12			100	8.61	91.1	1.46	3.00	16.80
RAH12			125	3.85	93.3	2.22	1.80	18.80
RAH12			160	-2.38	95.0	3.33	0.00	21.10
RAH12			200	-6.92	96.1	4.79	0.00	22.80
RAH13	6 697	6 700						
RAH13			20	23.03	62.0	0.00	5.60	7.60
RAH13			25	21.39	67.2	0.13	5.40	8.30
RAH13			32	19.73	72.0	0.20	5.20	9.20
RAH13			40	18.27	76.8	0.33	5.00	10.30
RAH13			50	16.63	81.2	0.47	4.70	11.50
RAH13			63	14.27	85.0	0.74	4.30	13.00
RAH13			80	11.13	88.3	1.07	3.70	14.80
RAH13			100	7.20	91.1	1.67	3.00	16.80
RAH13			125	2.33	93.3	2.55	1.80	18.80
RAH13			160	-4.06	95.0	3.82	0.00	21.10
RAH13			200	-8.81	96.1	5.49	0.00	22.80
RAH14	6 631	6 633						
RAH14			20	23.11	62.0	0.00	5.60	7.60
RAH14			25	21.48	67.2	0.13	5.40	8.30
RAH14			32	19.81	72.0	0.20	5.20	9.20
RAH14			40	18.36	76.8	0.33	5.00	10.30
RAH14			50	16.73	81.2	0.46	4.70	11.50
RAH14			63	14.36	85.0	0.73	4.30	13.00
RAH14			80	11.23	88.3	1.06	3.70	14.80
RAH14			100	7.31	91.1	1.66	3.00	16.80
RAH14			125	2.44	93.3	2.52	1.80	18.80
RAH14			160	-3.94	95.0	3.78	0.00	21.10
RAH14			200	-8.67	96.1	5.44	0.00	22.80
RAH15	7 769	7 771						
RAH15			20	21.74	62.0	0.00	5.60	7.60
RAH15			25	20.08	67.2	0.16	5.40	8.30
RAH15			32	18.41	72.0	0.23	5.20	9.20
RAH15			40	16.93	76.8	0.39	5.00	10.30
RAH15			50	15.27	81.2	0.54	4.70	11.50
RAH15			63	12.86	85.0	0.85	4.30	13.00
RAH15			80	9.67	88.3	1.24	3.70	14.80
RAH15			100	5.65	91.1	1.94	3.00	16.80
RAH15			125	0.64	93.3	2.95	1.80	18.80
RAH15			160	-5.96	95.0	4.43	0.00	21.10
RAH15			200	-10.98	96.1	6.37	0.00	22.80
RAH16	7 431	7 433						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			20	22.12	62.0	0.00	5.60	7.60
RAH16			25	20.48	67.2	0.15	5.40	8.30
RAH16			32	18.80	72.0	0.22	5.20	9.20
RAH16			40	17.33	76.8	0.37	5.00	10.30
RAH16			50	15.68	81.2	0.52	4.70	11.50
RAH16			63	13.28	85.0	0.82	4.30	13.00
RAH16			80	10.11	88.3	1.19	3.70	14.80
RAH16			100	6.12	91.1	1.86	3.00	16.80
RAH16			125	1.15	93.3	2.82	1.80	18.80
RAH16			160	-5.38	95.0	4.24	0.00	21.10
RAH16			200	-10.32	96.1	6.10	0.00	22.80
RAH17	8 173	8 175						
RAH17			20	21.30	62.0	0.00	5.60	7.60
RAH17			25	19.64	67.2	0.16	5.40	8.30
RAH17			32	17.95	72.0	0.25	5.20	9.20
RAH17			40	16.47	76.8	0.41	5.00	10.30
RAH17			50	14.80	81.2	0.57	4.70	11.50
RAH17			63	12.38	85.0	0.90	4.30	13.00
RAH17			80	9.17	88.3	1.31	3.70	14.80
RAH17			100	5.11	91.1	2.04	3.00	16.80
RAH17			125	0.04	93.3	3.11	1.80	18.80
RAH17			160	-6.63	95.0	4.66	0.00	21.10
RAH17			200	-11.75	96.1	6.70	0.00	22.80
RAH18	8 248	8 250						
RAH18			20	21.22	62.0	0.00	5.60	7.60
RAH18			25	19.55	67.2	0.16	5.40	8.30
RAH18			32	17.87	72.0	0.25	5.20	9.20
RAH18			40	16.38	76.8	0.41	5.00	10.30
RAH18			50	14.72	81.2	0.58	4.70	11.50
RAH18			63	12.29	85.0	0.91	4.30	13.00
RAH18			80	9.08	88.3	1.32	3.70	14.80
RAH18			100	5.01	91.1	2.06	3.00	16.80
RAH18			125	-0.06	93.3	3.13	1.80	18.80
RAH18			160	-6.76	95.0	4.70	0.00	21.10
RAH18			200	-11.89	96.1	6.76	0.00	22.80
RAH19	9 026	9 028						
RAH19			20	20.44	62.0	0.00	5.60	7.60
RAH19			25	18.76	67.2	0.18	5.40	8.30
RAH19			32	17.07	72.0	0.27	5.20	9.20
RAH19			40	15.56	76.8	0.45	5.00	10.30
RAH19			50	13.88	81.2	0.63	4.70	11.50
RAH19			63	11.42	85.0	0.99	4.30	13.00
RAH19			80	8.17	88.3	1.44	3.70	14.80
RAH19			100	4.03	91.1	2.26	3.00	16.80
RAH19			125	-1.14	93.3	3.43	1.80	18.80
RAH19			160	-7.98	95.0	5.15	0.00	21.10
RAH19			200	-13.31	96.1	7.40	0.00	22.80
SIL01	13 740	13 742						
SIL01			20	18.06	63.3	0.00	5.60	7.60
SIL01			25	16.18	68.4	0.27	5.40	8.30
SIL01			32	10.16	68.9	0.41	5.20	9.20
SIL01			40	6.98	72.1	0.69	5.00	10.30
SIL01			50	5.50	76.8	0.96	4.70	11.50
SIL01			63	2.03	79.8	1.51	4.30	13.00
SIL01			80	-1.95	82.6	2.20	3.70	14.80
SIL01			100	-5.87	86.0	3.44	3.00	16.80
SIL01			125	-10.59	89.3	5.22	1.80	18.80
SIL01			160	-21.11	88.2	7.83	0.00	21.10
SIL01			200	-26.94	90.0	11.27	0.00	22.80
SIL02	13 604	13 605						
SIL02			20	18.15	63.3	0.00	5.60	7.60
SIL02			25	16.27	68.4	0.27	5.40	8.30
SIL02			32	10.25	68.9	0.41	5.20	9.20
SIL02			40	7.07	72.1	0.68	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL02			50	5.60	76.8	0.95	4.70	11.50
SIL02			63	2.14	79.8	1.50	4.30	13.00
SIL02			80	-1.84	82.6	2.18	3.70	14.80
SIL02			100	-5.75	86.0	3.40	3.00	16.80
SIL02			125	-10.46	89.3	5.17	1.80	18.80
SIL02			160	-20.95	88.2	7.75	0.00	21.10
SIL02			200	-26.74	90.0	11.16	0.00	22.80
SIL03	13 261	13 262						
SIL03			20	18.37	63.3	0.00	5.60	7.60
SIL03			25	16.50	68.4	0.27	5.40	8.30
SIL03			32	10.48	68.9	0.40	5.20	9.20
SIL03			40	7.31	72.1	0.66	5.00	10.30
SIL03			50	5.84	76.8	0.93	4.70	11.50
SIL03			63	2.39	79.8	1.46	4.30	13.00
SIL03			80	-1.56	82.6	2.12	3.70	14.80
SIL03			100	-5.44	86.0	3.32	3.00	16.80
SIL03			125	-10.10	89.3	5.04	1.80	18.80
SIL03			160	-20.53	88.2	7.56	0.00	21.10
SIL03			200	-26.24	90.0	10.88	0.00	22.80
SIL04	12 971	12 972						
SIL04			20	18.56	63.3	0.00	5.60	7.60
SIL04			25	16.70	68.4	0.26	5.40	8.30
SIL04			32	10.68	68.9	0.39	5.20	9.20
SIL04			40	7.51	72.1	0.65	5.00	10.30
SIL04			50	6.06	76.8	0.91	4.70	11.50
SIL04			63	2.62	79.8	1.43	4.30	13.00
SIL04			80	-1.32	82.6	2.08	3.70	14.80
SIL04			100	-5.17	86.0	3.24	3.00	16.80
SIL04			125	-9.80	89.3	4.93	1.80	18.80
SIL04			160	-20.17	88.2	7.39	0.00	21.10
SIL04			200	-25.81	90.0	10.64	0.00	22.80
SIL05	13 226	13 227						
SIL05			20	18.39	63.3	0.00	5.60	7.60
SIL05			25	16.52	68.4	0.26	5.40	8.30
SIL05			32	10.50	68.9	0.40	5.20	9.20
SIL05			40	7.33	72.1	0.66	5.00	10.30
SIL05			50	5.87	76.8	0.93	4.70	11.50
SIL05			63	2.42	79.8	1.45	4.30	13.00
SIL05			80	-1.53	82.6	2.12	3.70	14.80
SIL05			100	-5.41	86.0	3.31	3.00	16.80
SIL05			125	-10.07	89.3	5.03	1.80	18.80
SIL05			160	-20.49	88.2	7.54	0.00	21.10
SIL05			200	-26.19	90.0	10.85	0.00	22.80
SIL06	13 150	13 151						
SIL06			20	18.44	63.3	0.00	5.60	7.60
SIL06			25	16.58	68.4	0.26	5.40	8.30
SIL06			32	10.56	68.9	0.39	5.20	9.20
SIL06			40	7.39	72.1	0.66	5.00	10.30
SIL06			50	5.92	76.8	0.92	4.70	11.50
SIL06			63	2.48	79.8	1.45	4.30	13.00
SIL06			80	-1.47	82.6	2.10	3.70	14.80
SIL06			100	-5.34	86.0	3.29	3.00	16.80
SIL06			125	-9.99	89.3	5.00	1.80	18.80
SIL06			160	-20.39	88.2	7.50	0.00	21.10
SIL06			200	-26.07	90.0	10.78	0.00	22.80
SIL07	12 576	12 577						
SIL07			20	18.83	63.3	0.00	5.60	7.60
SIL07			25	16.97	68.4	0.25	5.40	8.30
SIL07			32	10.96	68.9	0.38	5.20	9.20
SIL07			40	7.80	72.1	0.63	5.00	10.30
SIL07			50	6.35	76.8	0.88	4.70	11.50
SIL07			63	2.93	79.8	1.38	4.30	13.00
SIL07			80	-0.99	82.6	2.01	3.70	14.80
SIL07			100	-4.81	86.0	3.14	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL07			125	-9.38	89.3	4.78	1.80	18.80
SIL07			160	-19.68	88.2	7.17	0.00	21.10
SIL07			200	-25.22	90.0	10.31	0.00	22.80
SIL08	12 597	12 599						
SIL08			20	18.82	63.3	0.00	5.60	7.60
SIL08			25	16.96	68.4	0.25	5.40	8.30
SIL08			32	10.94	68.9	0.38	5.20	9.20
SIL08			40	7.79	72.1	0.63	5.00	10.30
SIL08			50	6.33	76.8	0.88	4.70	11.50
SIL08			63	2.91	79.8	1.39	4.30	13.00
SIL08			80	-1.01	82.6	2.02	3.70	14.80
SIL08			100	-4.83	86.0	3.15	3.00	16.80
SIL08			125	-9.41	89.3	4.79	1.80	18.80
SIL08			160	-19.71	88.2	7.18	0.00	21.10
SIL08			200	-25.25	90.0	10.33	0.00	22.80
Sum								
Sum			20	42.74				
Sum			25	40.70				
Sum			32	39.19				
Sum			40	37.40				
Sum			50	36.01				
Sum			63	33.11				
Sum			80	30.01				
Sum			100	26.71				
Sum			125	21.60				
Sum			160	15.76				
Sum			200	11.86				

Noise sensitive area: H Noise sensitive point: Finnish normal frequency - User defined (22)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	8 021	8 023						
KAR01			20	23.31	63.9	0.00	5.60	7.60
KAR01			25	20.35	67.8	0.16	5.40	8.30
KAR01			32	19.37	73.3	0.24	5.20	9.20
KAR01			40	16.71	76.9	0.40	5.00	10.30
KAR01			50	15.75	82.0	0.56	4.70	11.50
KAR01			63	10.83	83.3	0.88	4.30	13.00
KAR01			80	7.13	86.1	1.28	3.70	14.80
KAR01			100	5.01	90.8	2.01	3.00	16.80
KAR01			125	-3.74	89.3	3.05	1.80	18.80
KAR01			160	-10.76	90.6	4.57	0.00	21.10
KAR01			200	-15.67	91.9	6.58	0.00	22.80
KAR02	8 947	8 949						
KAR02			20	22.36	63.9	0.00	5.60	7.60
KAR02			25	19.39	67.8	0.18	5.40	8.30
KAR02			32	18.40	73.3	0.27	5.20	9.20
KAR02			40	15.72	76.9	0.45	5.00	10.30
KAR02			50	14.74	82.0	0.63	4.70	11.50
KAR02			63	9.78	83.3	0.98	4.30	13.00
KAR02			80	6.03	86.1	1.43	3.70	14.80
KAR02			100	3.83	90.8	2.24	3.00	16.80
KAR02			125	-5.04	89.3	3.40	1.80	18.80
KAR02			160	-12.24	90.6	5.10	0.00	21.10
KAR02			200	-17.37	91.9	7.34	0.00	22.80
KAR03	8 699	8 701						
KAR03			20	22.61	63.9	0.00	5.60	7.60
KAR03			25	19.63	67.8	0.17	5.40	8.30
KAR03			32	18.65	73.3	0.26	5.20	9.20
KAR03			40	15.97	76.9	0.44	5.00	10.30
KAR03			50	15.00	82.0	0.61	4.70	11.50
KAR03			63	10.05	83.3	0.96	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR03			80	6.32	86.1	1.39	3.70	14.80
KAR03			100	4.13	90.8	2.18	3.00	16.80
KAR03			125	-4.70	89.3	3.31	1.80	18.80
KAR03			160	-11.85	90.6	4.96	0.00	21.10
KAR03			200	-16.93	91.9	7.13	0.00	22.80
KAR04	8 625	8 627						
KAR04			20	22.68	63.9	0.00	5.60	7.60
KAR04			25	19.71	67.8	0.17	5.40	8.30
KAR04			32	18.72	73.3	0.26	5.20	9.20
KAR04			40	16.05	76.9	0.43	5.00	10.30
KAR04			50	15.08	82.0	0.60	4.70	11.50
KAR04			63	10.13	83.3	0.95	4.30	13.00
KAR04			80	6.40	86.1	1.38	3.70	14.80
KAR04			100	4.23	90.8	2.16	3.00	16.80
KAR04			125	-4.59	89.3	3.28	1.80	18.80
KAR04			160	-11.73	90.6	4.92	0.00	21.10
KAR04			200	-16.79	91.9	7.07	0.00	22.80
KAR05	8 547	8 549						
KAR05			20	22.76	63.9	0.00	5.60	7.60
KAR05			25	19.79	67.8	0.17	5.40	8.30
KAR05			32	18.81	73.3	0.26	5.20	9.20
KAR05			40	16.13	76.9	0.43	5.00	10.30
KAR05			50	15.16	82.0	0.60	4.70	11.50
KAR05			63	10.22	83.3	0.94	4.30	13.00
KAR05			80	6.49	86.1	1.37	3.70	14.80
KAR05			100	4.32	90.8	2.14	3.00	16.80
KAR05			125	-4.49	89.3	3.25	1.80	18.80
KAR05			160	-11.61	90.6	4.87	0.00	21.10
KAR05			200	-16.65	91.9	7.01	0.00	22.80
KAR06	9 385	9 386						
KAR06			20	21.95	63.9	0.00	5.60	7.60
KAR06			25	18.96	67.8	0.19	5.40	8.30
KAR06			32	17.97	73.3	0.28	5.20	9.20
KAR06			40	15.28	76.9	0.47	5.00	10.30
KAR06			50	14.29	82.0	0.66	4.70	11.50
KAR06			63	9.32	83.3	1.03	4.30	13.00
KAR06			80	5.55	86.1	1.50	3.70	14.80
KAR06			100	3.30	90.8	2.35	3.00	16.80
KAR06			125	-5.62	89.3	3.57	1.80	18.80
KAR06			160	-12.90	90.6	5.35	0.00	21.10
KAR06			200	-18.15	91.9	7.70	0.00	22.80
KAR07	9 885	9 886						
KAR07			20	21.50	63.9	0.00	5.60	7.60
KAR07			25	18.50	67.8	0.20	5.40	8.30
KAR07			32	17.50	73.3	0.30	5.20	9.20
KAR07			40	14.80	76.9	0.49	5.00	10.30
KAR07			50	13.81	82.0	0.69	4.70	11.50
KAR07			63	8.81	83.3	1.09	4.30	13.00
KAR07			80	5.02	86.1	1.58	3.70	14.80
KAR07			100	2.73	90.8	2.47	3.00	16.80
KAR07			125	-6.26	89.3	3.76	1.80	18.80
KAR07			160	-13.64	90.6	5.64	0.00	21.10
KAR07			200	-19.01	91.9	8.11	0.00	22.80
KAR08	10 459	10 461						
KAR08			20	21.01	63.9	0.00	5.60	7.60
KAR08			25	18.00	67.8	0.21	5.40	8.30
KAR08			32	17.00	73.3	0.31	5.20	9.20
KAR08			40	14.29	76.9	0.52	5.00	10.30
KAR08			50	13.28	82.0	0.73	4.70	11.50
KAR08			63	8.26	83.3	1.15	4.30	13.00
KAR08			80	4.44	86.1	1.67	3.70	14.80
KAR08			100	2.09	90.8	2.62	3.00	16.80
KAR08			125	-6.97	89.3	3.98	1.80	18.80
KAR08			160	-14.45	90.6	5.96	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR08			200	-19.97	91.9	8.58	0.00	22.80
KAR09	9 177	9 179						
KAR09			20	22.14	63.9	0.00	5.60	7.60
KAR09			25	19.16	67.8	0.18	5.40	8.30
KAR09			32	18.17	73.3	0.28	5.20	9.20
KAR09			40	15.48	76.9	0.46	5.00	10.30
KAR09			50	14.50	82.0	0.64	4.70	11.50
KAR09			63	9.53	83.3	1.01	4.30	13.00
KAR09			80	5.78	86.1	1.47	3.70	14.80
KAR09			100	3.55	90.8	2.29	3.00	16.80
KAR09			125	-5.34	89.3	3.49	1.80	18.80
KAR09			160	-12.59	90.6	5.23	0.00	21.10
KAR09			200	-17.78	91.9	7.53	0.00	22.80
KAR10	9 445	9 447						
KAR10			20	21.89	63.9	0.00	5.60	7.60
KAR10			25	18.91	67.8	0.19	5.40	8.30
KAR10			32	17.91	73.3	0.28	5.20	9.20
KAR10			40	15.22	76.9	0.47	5.00	10.30
KAR10			50	14.23	82.0	0.66	4.70	11.50
KAR10			63	9.25	83.3	1.04	4.30	13.00
KAR10			80	5.48	86.1	1.51	3.70	14.80
KAR10			100	3.23	90.8	2.36	3.00	16.80
KAR10			125	-5.70	89.3	3.59	1.80	18.80
KAR10			160	-12.99	90.6	5.38	0.00	21.10
KAR10			200	-18.25	91.9	7.75	0.00	22.80
KAR11	10 142	10 143						
KAR11			20	21.28	63.9	0.00	5.60	7.60
KAR11			25	18.27	67.8	0.20	5.40	8.30
KAR11			32	17.27	73.3	0.30	5.20	9.20
KAR11			40	14.57	76.9	0.51	5.00	10.30
KAR11			50	13.57	82.0	0.71	4.70	11.50
KAR11			63	8.56	83.3	1.12	4.30	13.00
KAR11			80	4.75	86.1	1.62	3.70	14.80
KAR11			100	2.44	90.8	2.54	3.00	16.80
KAR11			125	-6.58	89.3	3.85	1.80	18.80
KAR11			160	-14.01	90.6	5.78	0.00	21.10
KAR11			200	-19.44	91.9	8.32	0.00	22.80
KAR12	10 170	10 172						
KAR12			20	21.25	63.9	0.00	5.60	7.60
KAR12			25	18.25	67.8	0.20	5.40	8.30
KAR12			32	17.25	73.3	0.31	5.20	9.20
KAR12			40	14.54	76.9	0.51	5.00	10.30
KAR12			50	13.54	82.0	0.71	4.70	11.50
KAR12			63	8.53	83.3	1.12	4.30	13.00
KAR12			80	4.72	86.1	1.63	3.70	14.80
KAR12			100	2.41	90.8	2.54	3.00	16.80
KAR12			125	-6.61	89.3	3.87	1.80	18.80
KAR12			160	-14.05	90.6	5.80	0.00	21.10
KAR12			200	-19.49	91.9	8.34	0.00	22.80
KAR13	10 716	10 718						
KAR13			20	20.80	63.9	0.00	5.60	7.60
KAR13			25	17.78	67.8	0.21	5.40	8.30
KAR13			32	16.78	73.3	0.32	5.20	9.20
KAR13			40	14.06	76.9	0.54	5.00	10.30
KAR13			50	13.05	82.0	0.75	4.70	11.50
KAR13			63	8.02	83.3	1.18	4.30	13.00
KAR13			80	4.18	86.1	1.71	3.70	14.80
KAR13			100	1.82	90.8	2.68	3.00	16.80
KAR13			125	-7.27	89.3	4.07	1.80	18.80
KAR13			160	-14.81	90.6	6.11	0.00	21.10
KAR13			200	-20.39	91.9	8.79	0.00	22.80
KAR14	10 111	10 113						
KAR14			20	21.30	63.9	0.00	5.60	7.60
KAR14			25	18.30	67.8	0.20	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR14			32	17.30	73.3	0.30	5.20	9.20
KAR14			40	14.60	76.9	0.51	5.00	10.30
KAR14			50	13.59	82.0	0.71	4.70	11.50
KAR14			63	8.59	83.3	1.11	4.30	13.00
KAR14			80	4.78	86.1	1.62	3.70	14.80
KAR14			100	2.47	90.8	2.53	3.00	16.80
KAR14			125	-6.54	89.3	3.84	1.80	18.80
KAR14			160	-13.96	90.6	5.76	0.00	21.10
KAR14			200	-19.39	91.9	8.29	0.00	22.80
KAR15	11 105	11 107						
KAR15			20	20.49	63.9	0.00	5.60	7.60
KAR15			25	17.47	67.8	0.22	5.40	8.30
KAR15			32	16.45	73.3	0.33	5.20	9.20
KAR15			40	13.73	76.9	0.56	5.00	10.30
KAR15			50	12.71	82.0	0.78	4.70	11.50
KAR15			63	7.67	83.3	1.22	4.30	13.00
KAR15			80	3.81	86.1	1.78	3.70	14.80
KAR15			100	1.41	90.8	2.78	3.00	16.80
KAR15			125	-7.73	89.3	4.22	1.80	18.80
KAR15			160	-15.34	90.6	6.33	0.00	21.10
KAR15			200	-21.02	91.9	9.11	0.00	22.80
KAR16	10 769	10 770						
KAR16			20	20.76	63.9	0.00	5.60	7.60
KAR16			25	17.74	67.8	0.22	5.40	8.30
KAR16			32	16.73	73.3	0.32	5.20	9.20
KAR16			40	14.02	76.9	0.54	5.00	10.30
KAR16			50	13.00	82.0	0.75	4.70	11.50
KAR16			63	7.97	83.3	1.18	4.30	13.00
KAR16			80	4.13	86.1	1.72	3.70	14.80
KAR16			100	1.76	90.8	2.69	3.00	16.80
KAR16			125	-7.34	89.3	4.09	1.80	18.80
KAR16			160	-14.88	90.6	6.14	0.00	21.10
KAR16			200	-20.48	91.9	8.83	0.00	22.80
KAR17	11 139	11 140						
KAR17			20	20.46	63.9	0.00	5.60	7.60
KAR17			25	17.44	67.8	0.22	5.40	8.30
KAR17			32	16.43	73.3	0.33	5.20	9.20
KAR17			40	13.71	76.9	0.56	5.00	10.30
KAR17			50	12.68	82.0	0.78	4.70	11.50
KAR17			63	7.64	83.3	1.23	4.30	13.00
KAR17			80	3.78	86.1	1.78	3.70	14.80
KAR17			100	1.38	90.8	2.79	3.00	16.80
KAR17			125	-7.77	89.3	4.23	1.80	18.80
KAR17			160	-15.39	90.6	6.35	0.00	21.10
KAR17			200	-21.07	91.9	9.14	0.00	22.80
KAR18	10 701	10 703						
KAR18			20	20.81	63.9	0.00	5.60	7.60
KAR18			25	17.80	67.8	0.21	5.40	8.30
KAR18			32	16.79	73.3	0.32	5.20	9.20
KAR18			40	14.07	76.9	0.54	5.00	10.30
KAR18			50	13.06	82.0	0.75	4.70	11.50
KAR18			63	8.03	83.3	1.18	4.30	13.00
KAR18			80	4.20	86.1	1.71	3.70	14.80
KAR18			100	1.83	90.8	2.68	3.00	16.80
KAR18			125	-7.26	89.3	4.07	1.80	18.80
KAR18			160	-14.79	90.6	6.10	0.00	21.10
KAR18			200	-20.37	91.9	8.78	0.00	22.80
KAR19	11 881	11 882						
KAR19			20	19.90	63.9	0.00	5.60	7.60
KAR19			25	16.86	67.8	0.24	5.40	8.30
KAR19			32	15.85	73.3	0.36	5.20	9.20
KAR19			40	13.11	76.9	0.59	5.00	10.30
KAR19			50	12.07	82.0	0.83	4.70	11.50
KAR19			63	6.99	83.3	1.31	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR19			80	3.10	86.1	1.90	3.70	14.80
KAR19			100	0.63	90.8	2.97	3.00	16.80
KAR19			125	-8.61	89.3	4.52	1.80	18.80
KAR19			160	-16.37	90.6	6.77	0.00	21.10
KAR19			200	-22.24	91.9	9.74	0.00	22.80
KAR20	11 465	11 467						
KAR20			20	20.21	63.9	0.00	5.60	7.60
KAR20			25	17.18	67.8	0.23	5.40	8.30
KAR20			32	16.17	73.3	0.34	5.20	9.20
KAR20			40	13.44	76.9	0.57	5.00	10.30
KAR20			50	12.41	82.0	0.80	4.70	11.50
KAR20			63	7.35	83.3	1.26	4.30	13.00
KAR20			80	3.48	86.1	1.83	3.70	14.80
KAR20			100	1.04	90.8	2.87	3.00	16.80
KAR20			125	-8.15	89.3	4.36	1.80	18.80
KAR20			160	-15.83	90.6	6.54	0.00	21.10
KAR20			200	-21.59	91.9	9.40	0.00	22.80
KAR21	11 789	11 791						
KAR21			20	19.97	63.9	0.00	5.60	7.60
KAR21			25	16.93	67.8	0.24	5.40	8.30
KAR21			32	15.92	73.3	0.35	5.20	9.20
KAR21			40	13.18	76.9	0.59	5.00	10.30
KAR21			50	12.14	82.0	0.83	4.70	11.50
KAR21			63	7.07	83.3	1.30	4.30	13.00
KAR21			80	3.18	86.1	1.89	3.70	14.80
KAR21			100	0.72	90.8	2.95	3.00	16.80
KAR21			125	-8.51	89.3	4.48	1.80	18.80
KAR21			160	-16.25	90.6	6.72	0.00	21.10
KAR21			200	-22.10	91.9	9.67	0.00	22.80
KAR22	12 177	12 179						
KAR22			20	19.69	63.9	0.00	5.60	7.60
KAR22			25	16.64	67.8	0.24	5.40	8.30
KAR22			32	15.62	73.3	0.37	5.20	9.20
KAR22			40	12.88	76.9	0.61	5.00	10.30
KAR22			50	11.84	82.0	0.85	4.70	11.50
KAR22			63	6.75	83.3	1.34	4.30	13.00
KAR22			80	2.84	86.1	1.95	3.70	14.80
KAR22			100	0.34	90.8	3.04	3.00	16.80
KAR22			125	-8.94	89.3	4.63	1.80	18.80
KAR22			160	-16.75	90.6	6.94	0.00	21.10
KAR22			200	-22.70	91.9	9.99	0.00	22.80
KAR23	12 528	12 529						
KAR23			20	19.44	63.9	0.00	5.60	7.60
KAR23			25	16.39	67.8	0.25	5.40	8.30
KAR23			32	15.37	73.3	0.38	5.20	9.20
KAR23			40	12.62	76.9	0.63	5.00	10.30
KAR23			50	11.56	82.0	0.88	4.70	11.50
KAR23			63	6.46	83.3	1.38	4.30	13.00
KAR23			80	2.54	86.1	2.00	3.70	14.80
KAR23			100	0.01	90.8	3.13	3.00	16.80
KAR23			125	-9.32	89.3	4.76	1.80	18.80
KAR23			160	-17.20	90.6	7.14	0.00	21.10
KAR23			200	-23.23	91.9	10.27	0.00	22.80
KAR24	7 604	7 606						
KAR24			20	23.78	63.9	0.00	5.60	7.60
KAR24			25	20.82	67.8	0.15	5.40	8.30
KAR24			32	19.85	73.3	0.23	5.20	9.20
KAR24			40	17.20	76.9	0.38	5.00	10.30
KAR24			50	16.24	82.0	0.53	4.70	11.50
KAR24			63	11.34	83.3	0.84	4.30	13.00
KAR24			80	7.66	86.1	1.22	3.70	14.80
KAR24			100	5.58	90.8	1.90	3.00	16.80
KAR24			125	-3.11	89.3	2.89	1.80	18.80
KAR24			160	-10.06	90.6	4.34	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR24			200	-14.86	91.9	6.24	0.00	22.80
KAR25	8 365	8 367						
KAR25			20	22.95	63.9	0.00	5.60	7.60
KAR25			25	19.98	67.8	0.17	5.40	8.30
KAR25			32	19.00	73.3	0.25	5.20	9.20
KAR25			40	16.33	76.9	0.42	5.00	10.30
KAR25			50	15.36	82.0	0.59	4.70	11.50
KAR25			63	10.43	83.3	0.92	4.30	13.00
KAR25			80	6.71	86.1	1.34	3.70	14.80
KAR25			100	4.56	90.8	2.09	3.00	16.80
KAR25			125	-4.23	89.3	3.18	1.80	18.80
KAR25			160	-11.32	90.6	4.77	0.00	21.10
KAR25			200	-16.31	91.9	6.86	0.00	22.80
MAA01	7 093	7 095						
MAA01			20	24.38	63.9	0.00	5.60	7.60
MAA01			25	21.44	67.8	0.14	5.40	8.30
MAA01			32	20.47	73.3	0.21	5.20	9.20
MAA01			40	17.83	76.9	0.35	5.00	10.30
MAA01			50	16.88	82.0	0.50	4.70	11.50
MAA01			63	12.00	83.3	0.78	4.30	13.00
MAA01			80	8.35	86.1	1.14	3.70	14.80
MAA01			100	6.31	90.8	1.77	3.00	16.80
MAA01			125	-2.31	89.3	2.70	1.80	18.80
MAA01			160	-9.16	90.6	4.04	0.00	21.10
MAA01			200	-13.84	91.9	5.82	0.00	22.80
MAA03	7 826	7 827						
MAA03			20	23.53	63.9	0.00	5.60	7.60
MAA03			25	20.57	67.8	0.16	5.40	8.30
MAA03			32	19.59	73.3	0.23	5.20	9.20
MAA03			40	16.94	76.9	0.39	5.00	10.30
MAA03			50	15.98	82.0	0.55	4.70	11.50
MAA03			63	11.07	83.3	0.86	4.30	13.00
MAA03			80	7.38	86.1	1.25	3.70	14.80
MAA03			100	5.27	90.8	1.96	3.00	16.80
MAA03			125	-3.45	89.3	2.97	1.80	18.80
MAA03			160	-10.43	90.6	4.46	0.00	21.10
MAA03			200	-15.29	91.9	6.42	0.00	22.80
MAA04	8 671	8 672						
MAA04			20	22.64	63.9	0.00	5.60	7.60
MAA04			25	19.66	67.8	0.17	5.40	8.30
MAA04			32	18.68	73.3	0.26	5.20	9.20
MAA04			40	16.00	76.9	0.43	5.00	10.30
MAA04			50	15.03	82.0	0.61	4.70	11.50
MAA04			63	10.08	83.3	0.95	4.30	13.00
MAA04			80	6.35	86.1	1.39	3.70	14.80
MAA04			100	4.17	90.8	2.17	3.00	16.80
MAA04			125	-4.66	89.3	3.30	1.80	18.80
MAA04			160	-11.80	90.6	4.94	0.00	21.10
MAA04			200	-16.87	91.9	7.11	0.00	22.80
MAA05	8 551	8 553						
MAA05			20	22.76	63.9	0.00	5.60	7.60
MAA05			25	19.79	67.8	0.17	5.40	8.30
MAA05			32	18.80	73.3	0.26	5.20	9.20
MAA05			40	16.13	76.9	0.43	5.00	10.30
MAA05			50	15.16	82.0	0.60	4.70	11.50
MAA05			63	10.22	83.3	0.94	4.30	13.00
MAA05			80	6.49	86.1	1.37	3.70	14.80
MAA05			100	4.32	90.8	2.14	3.00	16.80
MAA05			125	-4.49	89.3	3.25	1.80	18.80
MAA05			160	-11.62	90.6	4.87	0.00	21.10
MAA05			200	-16.65	91.9	7.01	0.00	22.80
MAA06	9 759	9 760						
MAA06			20	21.61	63.9	0.00	5.60	7.60
MAA06			25	18.62	67.8	0.20	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA06			32	17.62	73.3	0.29	5.20	9.20
MAA06			40	14.92	76.9	0.49	5.00	10.30
MAA06			50	13.93	82.0	0.68	4.70	11.50
MAA06			63	8.94	83.3	1.07	4.30	13.00
MAA06			80	5.15	86.1	1.56	3.70	14.80
MAA06			100	2.87	90.8	2.44	3.00	16.80
MAA06			125	-6.10	89.3	3.71	1.80	18.80
MAA06			160	-13.45	90.6	5.56	0.00	21.10
MAA06			200	-18.79	91.9	8.00	0.00	22.80
MAA07	10 331	10 332						
MAA07			20	21.12	63.9	0.00	5.60	7.60
MAA07			25	18.11	67.8	0.21	5.40	8.30
MAA07			32	17.11	73.3	0.31	5.20	9.20
MAA07			40	14.40	76.9	0.52	5.00	10.30
MAA07			50	13.39	82.0	0.72	4.70	11.50
MAA07			63	8.38	83.3	1.14	4.30	13.00
MAA07			80	4.56	86.1	1.65	3.70	14.80
MAA07			100	2.23	90.8	2.58	3.00	16.80
MAA07			125	-6.81	89.3	3.93	1.80	18.80
MAA07			160	-14.27	90.6	5.89	0.00	21.10
MAA07			200	-19.76	91.9	8.47	0.00	22.80
MAA08	10 731	10 732						
MAA08			20	20.79	63.9	0.00	5.60	7.60
MAA08			25	17.77	67.8	0.21	5.40	8.30
MAA08			32	16.76	73.3	0.32	5.20	9.20
MAA08			40	14.05	76.9	0.54	5.00	10.30
MAA08			50	13.04	82.0	0.75	4.70	11.50
MAA08			63	8.01	83.3	1.18	4.30	13.00
MAA08			80	4.17	86.1	1.72	3.70	14.80
MAA08			100	1.80	90.8	2.68	3.00	16.80
MAA08			125	-7.29	89.3	4.08	1.80	18.80
MAA08			160	-14.83	90.6	6.12	0.00	21.10
MAA08			200	-20.41	91.9	8.80	0.00	22.80
RAH01	6 312	6 314						
RAH01			20	23.54	62.0	0.00	5.60	7.60
RAH01			25	21.92	67.2	0.13	5.40	8.30
RAH01			32	20.25	72.0	0.19	5.20	9.20
RAH01			40	18.80	76.8	0.32	5.00	10.30
RAH01			50	17.18	81.2	0.44	4.70	11.50
RAH01			63	14.82	85.0	0.69	4.30	13.00
RAH01			80	11.71	88.3	1.01	3.70	14.80
RAH01			100	7.82	91.1	1.58	3.00	16.80
RAH01			125	3.00	93.3	2.40	1.80	18.80
RAH01			160	-3.33	95.0	3.60	0.00	21.10
RAH01			200	-7.98	96.1	5.18	0.00	22.80
RAH02	7 162	7 164						
RAH02			20	22.45	62.0	0.00	5.60	7.60
RAH02			25	20.80	67.2	0.14	5.40	8.30
RAH02			32	19.13	72.0	0.21	5.20	9.20
RAH02			40	17.66	76.8	0.36	5.00	10.30
RAH02			50	16.02	81.2	0.50	4.70	11.50
RAH02			63	13.63	85.0	0.79	4.30	13.00
RAH02			80	10.48	88.3	1.15	3.70	14.80
RAH02			100	6.51	91.1	1.79	3.00	16.80
RAH02			125	1.57	93.3	2.72	1.80	18.80
RAH02			160	-4.91	95.0	4.08	0.00	21.10
RAH02			200	-9.78	96.1	5.87	0.00	22.80
RAH03	6 662	6 664						
RAH03			20	23.07	62.0	0.00	5.60	7.60
RAH03			25	21.44	67.2	0.13	5.40	8.30
RAH03			32	19.77	72.0	0.20	5.20	9.20
RAH03			40	18.32	76.8	0.33	5.00	10.30
RAH03			50	16.68	81.2	0.47	4.70	11.50
RAH03			63	14.32	85.0	0.73	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH03			80	11.18	88.3	1.07	3.70	14.80
RAH03			100	7.26	91.1	1.67	3.00	16.80
RAH03			125	2.39	93.3	2.53	1.80	18.80
RAH03			160	-4.00	95.0	3.80	0.00	21.10
RAH03			200	-8.74	96.1	5.46	0.00	22.80
RAH04	7 846	7 847						
RAH04			20	21.65	62.0	0.00	5.60	7.60
RAH04			25	20.00	67.2	0.16	5.40	8.30
RAH04			32	18.32	72.0	0.24	5.20	9.20
RAH04			40	16.84	76.8	0.39	5.00	10.30
RAH04			50	15.18	81.2	0.55	4.70	11.50
RAH04			63	12.77	85.0	0.86	4.30	13.00
RAH04			80	9.57	88.3	1.26	3.70	14.80
RAH04			100	5.54	91.1	1.96	3.00	16.80
RAH04			125	0.52	93.3	2.98	1.80	18.80
RAH04			160	-6.09	95.0	4.47	0.00	21.10
RAH04			200	-11.13	96.1	6.43	0.00	22.80
RAH05	7 623	7 625						
RAH05			20	21.90	62.0	0.00	5.60	7.60
RAH05			25	20.25	67.2	0.15	5.40	8.30
RAH05			32	18.58	72.0	0.23	5.20	9.20
RAH05			40	17.10	76.8	0.38	5.00	10.30
RAH05			50	15.45	81.2	0.53	4.70	11.50
RAH05			63	13.04	85.0	0.84	4.30	13.00
RAH05			80	9.86	88.3	1.22	3.70	14.80
RAH05			100	5.85	91.1	1.91	3.00	16.80
RAH05			125	0.86	93.3	2.90	1.80	18.80
RAH05			160	-5.71	95.0	4.35	0.00	21.10
RAH05			200	-10.70	96.1	6.25	0.00	22.80
RAH06	8 371	8 373						
RAH06			20	21.09	62.0	0.00	5.60	7.60
RAH06			25	19.42	67.2	0.17	5.40	8.30
RAH06			32	17.74	72.0	0.25	5.20	9.20
RAH06			40	16.25	76.8	0.42	5.00	10.30
RAH06			50	14.58	81.2	0.59	4.70	11.50
RAH06			63	12.15	85.0	0.92	4.30	13.00
RAH06			80	8.93	88.3	1.34	3.70	14.80
RAH06			100	4.85	91.1	2.09	3.00	16.80
RAH06			125	-0.24	93.3	3.18	1.80	18.80
RAH06			160	-6.95	95.0	4.77	0.00	21.10
RAH06			200	-12.12	96.1	6.87	0.00	22.80
RAH07	9 716	9 717						
RAH07			20	19.80	62.0	0.00	5.60	7.60
RAH07			25	18.10	67.2	0.19	5.40	8.30
RAH07			32	16.41	72.0	0.29	5.20	9.20
RAH07			40	14.89	76.8	0.49	5.00	10.30
RAH07			50	13.19	81.2	0.68	4.70	11.50
RAH07			63	10.70	85.0	1.07	4.30	13.00
RAH07			80	7.42	88.3	1.55	3.70	14.80
RAH07			100	3.22	91.1	2.43	3.00	16.80
RAH07			125	-2.04	93.3	3.69	1.80	18.80
RAH07			160	-9.01	95.0	5.54	0.00	21.10
RAH07			200	-14.52	96.1	7.97	0.00	22.80
RAH08	9 182	9 183						
RAH08			20	20.29	62.0	0.00	5.60	7.60
RAH08			25	18.60	67.2	0.18	5.40	8.30
RAH08			32	16.91	72.0	0.28	5.20	9.20
RAH08			40	15.41	76.8	0.46	5.00	10.30
RAH08			50	13.72	81.2	0.64	4.70	11.50
RAH08			63	11.25	85.0	1.01	4.30	13.00
RAH08			80	7.99	88.3	1.47	3.70	14.80
RAH08			100	3.84	91.1	2.30	3.00	16.80
RAH08			125	-1.35	93.3	3.49	1.80	18.80
RAH08			160	-8.22	95.0	5.23	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH08			200	-13.59	96.1	7.53	0.00	22.80
RAH09	8 878	8 879						
RAH09			20	20.58	62.0	0.00	5.60	7.60
RAH09			25	18.90	67.2	0.18	5.40	8.30
RAH09			32	17.21	72.0	0.27	5.20	9.20
RAH09			40	15.71	76.8	0.44	5.00	10.30
RAH09			50	14.04	81.2	0.62	4.70	11.50
RAH09			63	11.58	85.0	0.98	4.30	13.00
RAH09			80	8.34	88.3	1.42	3.70	14.80
RAH09			100	4.21	91.1	2.22	3.00	16.80
RAH09			125	-0.94	93.3	3.37	1.80	18.80
RAH09			160	-7.75	95.0	5.06	0.00	21.10
RAH09			200	-13.05	96.1	7.28	0.00	22.80
RAH10	8 416	8 418						
RAH10			20	21.04	62.0	0.00	5.60	7.60
RAH10			25	19.38	67.2	0.17	5.40	8.30
RAH10			32	17.69	72.0	0.25	5.20	9.20
RAH10			40	16.20	76.8	0.42	5.00	10.30
RAH10			50	14.53	81.2	0.59	4.70	11.50
RAH10			63	12.09	85.0	0.93	4.30	13.00
RAH10			80	8.87	88.3	1.35	3.70	14.80
RAH10			100	4.79	91.1	2.10	3.00	16.80
RAH10			125	-0.30	93.3	3.20	1.80	18.80
RAH10			160	-7.03	95.0	4.80	0.00	21.10
RAH10			200	-12.21	96.1	6.90	0.00	22.80
RAH11	5 562	5 564						
RAH11			20	24.64	62.0	0.00	5.60	7.60
RAH11			25	23.03	67.2	0.11	5.40	8.30
RAH11			32	21.37	72.0	0.17	5.20	9.20
RAH11			40	19.94	76.8	0.28	5.00	10.30
RAH11			50	18.33	81.2	0.39	4.70	11.50
RAH11			63	16.00	85.0	0.61	4.30	13.00
RAH11			80	12.93	88.3	0.89	3.70	14.80
RAH11			100	9.10	91.1	1.39	3.00	16.80
RAH11			125	4.38	93.3	2.11	1.80	18.80
RAH11			160	-1.80	95.0	3.17	0.00	21.10
RAH11			200	-6.27	96.1	4.56	0.00	22.80
RAH12	5 168	5 170						
RAH12			20	25.28	62.0	0.00	5.60	7.60
RAH12			25	23.68	67.2	0.10	5.40	8.30
RAH12			32	22.02	72.0	0.16	5.20	9.20
RAH12			40	20.60	76.8	0.26	5.00	10.30
RAH12			50	18.99	81.2	0.36	4.70	11.50
RAH12			63	16.69	85.0	0.57	4.30	13.00
RAH12			80	13.63	88.3	0.83	3.70	14.80
RAH12			100	9.84	91.1	1.29	3.00	16.80
RAH12			125	5.17	93.3	1.96	1.80	18.80
RAH12			160	-0.94	95.0	2.95	0.00	21.10
RAH12			200	-5.31	96.1	4.24	0.00	22.80
RAH13	4 456	4 458						
RAH13			20	26.56	62.0	0.00	5.60	7.60
RAH13			25	24.98	67.2	0.09	5.40	8.30
RAH13			32	23.33	72.0	0.13	5.20	9.20
RAH13			40	21.92	76.8	0.22	5.00	10.30
RAH13			50	20.33	81.2	0.31	4.70	11.50
RAH13			63	18.05	85.0	0.49	4.30	13.00
RAH13			80	15.03	88.3	0.71	3.70	14.80
RAH13			100	11.30	91.1	1.11	3.00	16.80
RAH13			125	6.72	93.3	1.69	1.80	18.80
RAH13			160	0.75	95.0	2.54	0.00	21.10
RAH13			200	-3.44	96.1	3.66	0.00	22.80
RAH14	4 856	4 858						
RAH14			20	25.82	62.0	0.00	5.60	7.60
RAH14			25	24.22	67.2	0.10	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH14			32	22.57	72.0	0.15	5.20	9.20
RAH14			40	21.15	76.8	0.24	5.00	10.30
RAH14			50	19.56	81.2	0.34	4.70	11.50
RAH14			63	17.26	85.0	0.53	4.30	13.00
RAH14			80	14.22	88.3	0.78	3.70	14.80
RAH14			100	10.46	91.1	1.21	3.00	16.80
RAH14			125	5.82	93.3	1.85	1.80	18.80
RAH14			160	-0.22	95.0	2.77	0.00	21.10
RAH14			200	-4.51	96.1	3.98	0.00	22.80
RAH15	3 662	3 665						
RAH15			20	28.27	62.0	0.00	5.60	7.60
RAH15			25	26.69	67.2	0.07	5.40	8.30
RAH15			32	25.06	72.0	0.11	5.20	9.20
RAH15			40	23.66	76.8	0.18	5.00	10.30
RAH15			50	22.09	81.2	0.26	4.70	11.50
RAH15			63	19.84	85.0	0.40	4.30	13.00
RAH15			80	16.86	88.3	0.59	3.70	14.80
RAH15			100	13.20	91.1	0.92	3.00	16.80
RAH15			125	8.73	93.3	1.39	1.80	18.80
RAH15			160	2.90	95.0	2.09	0.00	21.10
RAH15			200	-1.09	96.1	3.01	0.00	22.80
RAH16	3 557	3 560						
RAH16			20	28.52	62.0	0.00	5.60	7.60
RAH16			25	26.95	67.2	0.07	5.40	8.30
RAH16			32	25.31	72.0	0.11	5.20	9.20
RAH16			40	23.92	76.8	0.18	5.00	10.30
RAH16			50	22.34	81.2	0.25	4.70	11.50
RAH16			63	20.10	85.0	0.39	4.30	13.00
RAH16			80	17.12	88.3	0.57	3.70	14.80
RAH16			100	13.48	91.1	0.89	3.00	16.80
RAH16			125	9.02	93.3	1.35	1.80	18.80
RAH16			160	3.22	95.0	2.03	0.00	21.10
RAH16			200	-0.75	96.1	2.92	0.00	22.80
RAH17	4 469	4 473						
RAH17			20	26.54	62.0	0.00	5.60	7.60
RAH17			25	24.95	67.2	0.09	5.40	8.30
RAH17			32	23.30	72.0	0.13	5.20	9.20
RAH17			40	21.89	76.8	0.22	5.00	10.30
RAH17			50	20.30	81.2	0.31	4.70	11.50
RAH17			63	18.02	85.0	0.49	4.30	13.00
RAH17			80	15.00	88.3	0.72	3.70	14.80
RAH17			100	11.27	91.1	1.12	3.00	16.80
RAH17			125	6.69	93.3	1.70	1.80	18.80
RAH17			160	0.72	95.0	2.55	0.00	21.10
RAH17			200	-3.48	96.1	3.67	0.00	22.80
RAH18	3 833	3 837						
RAH18			20	27.87	62.0	0.00	5.60	7.60
RAH18			25	26.29	67.2	0.08	5.40	8.30
RAH18			32	24.65	72.0	0.12	5.20	9.20
RAH18			40	23.25	76.8	0.19	5.00	10.30
RAH18			50	21.68	81.2	0.27	4.70	11.50
RAH18			63	19.42	85.0	0.42	4.30	13.00
RAH18			80	16.43	88.3	0.61	3.70	14.80
RAH18			100	12.76	91.1	0.96	3.00	16.80
RAH18			125	8.26	93.3	1.46	1.80	18.80
RAH18			160	2.41	95.0	2.19	0.00	21.10
RAH18			200	-1.63	96.1	3.15	0.00	22.80
RAH19	4 082	4 086						
RAH19			20	27.32	62.0	0.00	5.60	7.60
RAH19			25	25.74	67.2	0.08	5.40	8.30
RAH19			32	24.10	72.0	0.12	5.20	9.20
RAH19			40	22.69	76.8	0.20	5.00	10.30
RAH19			50	21.11	81.2	0.29	4.70	11.50
RAH19			63	18.85	85.0	0.45	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH19			80	15.85	88.3	0.65	3.70	14.80
RAH19			100	12.15	91.1	1.02	3.00	16.80
RAH19			125	7.62	93.3	1.55	1.80	18.80
RAH19			160	1.72	95.0	2.33	0.00	21.10
RAH19			200	-2.38	96.1	3.35	0.00	22.80
SIL01	2 907	2 911						
SIL01			20	31.54	63.3	0.00	5.60	7.60
SIL01			25	29.88	68.4	0.06	5.40	8.30
SIL01			32	23.96	68.9	0.09	5.20	9.20
SIL01			40	21.00	72.1	0.15	5.00	10.30
SIL01			50	19.74	76.8	0.20	4.70	11.50
SIL01			63	16.70	79.8	0.32	4.30	13.00
SIL01			80	13.26	82.6	0.47	3.70	14.80
SIL01			100	10.32	86.0	0.73	3.00	16.80
SIL01			125	7.00	89.3	1.11	1.80	18.80
SIL01			160	-1.46	88.2	1.66	0.00	21.10
SIL01			200	-4.58	90.0	2.39	0.00	22.80
SIL02	3 009	3 013						
SIL02			20	31.24	63.3	0.00	5.60	7.60
SIL02			25	29.58	68.4	0.06	5.40	8.30
SIL02			32	23.66	68.9	0.09	5.20	9.20
SIL02			40	20.69	72.1	0.15	5.00	10.30
SIL02			50	19.43	76.8	0.21	4.70	11.50
SIL02			63	16.39	79.8	0.33	4.30	13.00
SIL02			80	12.95	82.6	0.48	3.70	14.80
SIL02			100	10.00	86.0	0.75	3.00	16.80
SIL02			125	6.66	89.3	1.15	1.80	18.80
SIL02			160	-1.82	88.2	1.72	0.00	21.10
SIL02			200	-4.96	90.0	2.47	0.00	22.80
SIL03	3 059	3 063						
SIL03			20	31.10	63.3	0.00	5.60	7.60
SIL03			25	29.43	68.4	0.06	5.40	8.30
SIL03			32	23.51	68.9	0.09	5.20	9.20
SIL03			40	20.55	72.1	0.15	5.00	10.30
SIL03			50	19.29	76.8	0.21	4.70	11.50
SIL03			63	16.25	79.8	0.34	4.30	13.00
SIL03			80	12.80	82.6	0.49	3.70	14.80
SIL03			100	9.84	86.0	0.77	3.00	16.80
SIL03			125	6.50	89.3	1.16	1.80	18.80
SIL03			160	-1.99	88.2	1.75	0.00	21.10
SIL03			200	-5.15	90.0	2.51	0.00	22.80
SIL04	2 509	2 513						
SIL04			20	32.82	63.3	0.00	5.60	7.60
SIL04			25	31.16	68.4	0.05	5.40	8.30
SIL04			32	25.25	68.9	0.08	5.20	9.20
SIL04			40	22.29	72.1	0.13	5.00	10.30
SIL04			50	21.04	76.8	0.18	4.70	11.50
SIL04			63	18.02	79.8	0.28	4.30	13.00
SIL04			80	14.60	82.6	0.40	3.70	14.80
SIL04			100	11.70	86.0	0.63	3.00	16.80
SIL04			125	8.43	89.3	0.96	1.80	18.80
SIL04			160	0.05	88.2	1.43	0.00	21.10
SIL04			200	-2.98	90.0	2.06	0.00	22.80
SIL05	2 346	2 351						
SIL05			20	33.40	63.3	0.00	5.60	7.60
SIL05			25	31.74	68.4	0.05	5.40	8.30
SIL05			32	25.83	68.9	0.07	5.20	9.20
SIL05			40	22.88	72.1	0.12	5.00	10.30
SIL05			50	21.63	76.8	0.16	4.70	11.50
SIL05			63	18.62	79.8	0.26	4.30	13.00
SIL05			80	15.21	82.6	0.38	3.70	14.80
SIL05			100	12.32	86.0	0.59	3.00	16.80
SIL05			125	9.07	89.3	0.89	1.80	18.80
SIL05			160	0.72	88.2	1.34	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL05			200	-2.27	90.0	1.93	0.00	22.80
SIL06	2 384	2 389						
SIL06			20	33.26	63.3	0.00	5.60	7.60
SIL06			25	31.61	68.4	0.05	5.40	8.30
SIL06			32	25.69	68.9	0.07	5.20	9.20
SIL06			40	22.74	72.1	0.12	5.00	10.30
SIL06			50	21.49	76.8	0.17	4.70	11.50
SIL06			63	18.48	79.8	0.26	4.30	13.00
SIL06			80	15.07	82.6	0.38	3.70	14.80
SIL06			100	12.17	86.0	0.60	3.00	16.80
SIL06			125	8.92	89.3	0.91	1.80	18.80
SIL06			160	0.56	88.2	1.36	0.00	21.10
SIL06			200	-2.43	90.0	1.96	0.00	22.80
SIL07	1 889	1 895						
SIL07			20	35.27	63.3	0.00	5.60	7.60
SIL07			25	33.63	68.4	0.04	5.40	8.30
SIL07			32	27.72	68.9	0.06	5.20	9.20
SIL07			40	24.78	72.1	0.09	5.00	10.30
SIL07			50	23.54	76.8	0.13	4.70	11.50
SIL07			63	20.55	79.8	0.21	4.30	13.00
SIL07			80	17.16	82.6	0.30	3.70	14.80
SIL07			100	14.30	86.0	0.47	3.00	16.80
SIL07			125	11.12	89.3	0.72	1.80	18.80
SIL07			160	2.85	88.2	1.08	0.00	21.10
SIL07			200	-0.02	90.0	1.55	0.00	22.80
SIL08	1 727	1 734						
SIL08			20	36.04	63.3	0.00	5.60	7.60
SIL08			25	34.40	68.4	0.03	5.40	8.30
SIL08			32	28.50	68.9	0.05	5.20	9.20
SIL08			40	25.56	72.1	0.09	5.00	10.30
SIL08			50	24.32	76.8	0.12	4.70	11.50
SIL08			63	21.33	79.8	0.19	4.30	13.00
SIL08			80	17.95	82.6	0.28	3.70	14.80
SIL08			100	15.12	86.0	0.43	3.00	16.80
SIL08			125	11.95	89.3	0.66	1.80	18.80
SIL08			160	3.71	88.2	0.99	0.00	21.10
SIL08			200	0.89	90.0	1.42	0.00	22.80
Sum								
Sum			20	44.54				
Sum			25	42.70				
Sum			32	38.94				
Sum			40	36.66				
Sum			50	35.32				
Sum			63	32.24				
Sum			80	28.96				
Sum			100	25.74				
Sum			125	21.23				
Sum			160	14.12				
Sum			200	10.35				

Noise sensitive area: I Noise sensitive point: Finnish normal frequency - User defined (20)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	7 091	7 094						
KAR01			20	24.38	63.9	0.00	5.60	7.60
KAR01			25	21.44	67.8	0.14	5.40	8.30
KAR01			32	20.47	73.3	0.21	5.20	9.20
KAR01			40	17.83	76.9	0.35	5.00	10.30
KAR01			50	16.89	82.0	0.50	4.70	11.50
KAR01			63	12.00	83.3	0.78	4.30	13.00
KAR01			80	8.35	86.1	1.14	3.70	14.80
KAR01			100	6.31	90.8	1.77	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01			125	-2.31	89.3	2.70	1.80	18.80
KAR01			160	-9.16	90.6	4.04	0.00	21.10
KAR01			200	-13.83	91.9	5.82	0.00	22.80
KAR02	7 899	7 902						
KAR02			20	23.45	63.9	0.00	5.60	7.60
KAR02			25	20.49	67.8	0.16	5.40	8.30
KAR02			32	19.51	73.3	0.24	5.20	9.20
KAR02			40	16.85	76.9	0.40	5.00	10.30
KAR02			50	15.89	82.0	0.55	4.70	11.50
KAR02			63	10.98	83.3	0.87	4.30	13.00
KAR02			80	7.28	86.1	1.26	3.70	14.80
KAR02			100	5.17	90.8	1.98	3.00	16.80
KAR02			125	-3.56	89.3	3.00	1.80	18.80
KAR02			160	-10.56	90.6	4.50	0.00	21.10
KAR02			200	-15.43	91.9	6.48	0.00	22.80
KAR03	7 744	7 746						
KAR03			20	23.62	63.9	0.00	5.60	7.60
KAR03			25	20.66	67.8	0.15	5.40	8.30
KAR03			32	19.69	73.3	0.23	5.20	9.20
KAR03			40	17.03	76.9	0.39	5.00	10.30
KAR03			50	16.08	82.0	0.54	4.70	11.50
KAR03			63	11.17	83.3	0.85	4.30	13.00
KAR03			80	7.48	86.1	1.24	3.70	14.80
KAR03			100	5.38	90.8	1.94	3.00	16.80
KAR03			125	-3.33	89.3	2.94	1.80	18.80
KAR03			160	-10.30	90.6	4.42	0.00	21.10
KAR03			200	-15.13	91.9	6.35	0.00	22.80
KAR04	7 781	7 784						
KAR04			20	23.58	63.9	0.00	5.60	7.60
KAR04			25	20.62	67.8	0.16	5.40	8.30
KAR04			32	19.64	73.3	0.23	5.20	9.20
KAR04			40	16.99	76.9	0.39	5.00	10.30
KAR04			50	16.03	82.0	0.54	4.70	11.50
KAR04			63	11.12	83.3	0.86	4.30	13.00
KAR04			80	7.43	86.1	1.25	3.70	14.80
KAR04			100	5.33	90.8	1.95	3.00	16.80
KAR04			125	-3.38	89.3	2.96	1.80	18.80
KAR04			160	-10.36	90.6	4.44	0.00	21.10
KAR04			200	-15.21	91.9	6.38	0.00	22.80
KAR05	7 821	7 824						
KAR05			20	23.53	63.9	0.00	5.60	7.60
KAR05			25	20.58	67.8	0.16	5.40	8.30
KAR05			32	19.60	73.3	0.23	5.20	9.20
KAR05			40	16.94	76.9	0.39	5.00	10.30
KAR05			50	15.98	82.0	0.55	4.70	11.50
KAR05			63	11.07	83.3	0.86	4.30	13.00
KAR05			80	7.38	86.1	1.25	3.70	14.80
KAR05			100	5.28	90.8	1.96	3.00	16.80
KAR05			125	-3.44	89.3	2.97	1.80	18.80
KAR05			160	-10.43	90.6	4.46	0.00	21.10
KAR05			200	-15.28	91.9	6.42	0.00	22.80
KAR06	8 446	8 448						
KAR06			20	22.87	63.9	0.00	5.60	7.60
KAR06			25	19.90	67.8	0.17	5.40	8.30
KAR06			32	18.91	73.3	0.25	5.20	9.20
KAR06			40	16.24	76.9	0.42	5.00	10.30
KAR06			50	15.27	82.0	0.59	4.70	11.50
KAR06			63	10.34	83.3	0.93	4.30	13.00
KAR06			80	6.61	86.1	1.35	3.70	14.80
KAR06			100	4.45	90.8	2.11	3.00	16.80
KAR06			125	-4.35	89.3	3.21	1.80	18.80
KAR06			160	-11.45	90.6	4.82	0.00	21.10
KAR06			200	-16.46	91.9	6.93	0.00	22.80
KAR07	8 854	8 856						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			20	22.46	63.9	0.00	5.60	7.60
KAR07			25	19.48	67.8	0.18	5.40	8.30
KAR07			32	18.49	73.3	0.27	5.20	9.20
KAR07			40	15.81	76.9	0.44	5.00	10.30
KAR07			50	14.84	82.0	0.62	4.70	11.50
KAR07			63	9.88	83.3	0.97	4.30	13.00
KAR07			80	6.14	86.1	1.42	3.70	14.80
KAR07			100	3.94	90.8	2.21	3.00	16.80
KAR07			125	-4.91	89.3	3.37	1.80	18.80
KAR07			160	-12.09	90.6	5.05	0.00	21.10
KAR07			200	-17.21	91.9	7.26	0.00	22.80
KAR08	9 355	9 357						
KAR08			20	21.98	63.9	0.00	5.60	7.60
KAR08			25	18.99	67.8	0.19	5.40	8.30
KAR08			32	18.00	73.3	0.28	5.20	9.20
KAR08			40	15.31	76.9	0.47	5.00	10.30
KAR08			50	14.32	82.0	0.65	4.70	11.50
KAR08			63	9.35	83.3	1.03	4.30	13.00
KAR08			80	5.58	86.1	1.50	3.70	14.80
KAR08			100	3.34	90.8	2.34	3.00	16.80
KAR08			125	-5.58	89.3	3.56	1.80	18.80
KAR08			160	-12.86	90.6	5.33	0.00	21.10
KAR08			200	-18.10	91.9	7.67	0.00	22.80
KAR09	8 465	8 467						
KAR09			20	22.85	63.9	0.00	5.60	7.60
KAR09			25	19.88	67.8	0.17	5.40	8.30
KAR09			32	18.89	73.3	0.25	5.20	9.20
KAR09			40	16.22	76.9	0.42	5.00	10.30
KAR09			50	15.25	82.0	0.59	4.70	11.50
KAR09			63	10.31	83.3	0.93	4.30	13.00
KAR09			80	6.59	86.1	1.35	3.70	14.80
KAR09			100	4.43	90.8	2.12	3.00	16.80
KAR09			125	-4.37	89.3	3.22	1.80	18.80
KAR09			160	-11.48	90.6	4.83	0.00	21.10
KAR09			200	-16.50	91.9	6.94	0.00	22.80
KAR10	8 634	8 636						
KAR10			20	22.67	63.9	0.00	5.60	7.60
KAR10			25	19.70	67.8	0.17	5.40	8.30
KAR10			32	18.71	73.3	0.26	5.20	9.20
KAR10			40	16.04	76.9	0.43	5.00	10.30
KAR10			50	15.07	82.0	0.60	4.70	11.50
KAR10			63	10.12	83.3	0.95	4.30	13.00
KAR10			80	6.39	86.1	1.38	3.70	14.80
KAR10			100	4.21	90.8	2.16	3.00	16.80
KAR10			125	-4.61	89.3	3.28	1.80	18.80
KAR10			160	-11.75	90.6	4.92	0.00	21.10
KAR10			200	-16.81	91.9	7.08	0.00	22.80
KAR11	9 196	9 197						
KAR11			20	22.13	63.9	0.00	5.60	7.60
KAR11			25	19.14	67.8	0.18	5.40	8.30
KAR11			32	18.15	73.3	0.28	5.20	9.20
KAR11			40	15.47	76.9	0.46	5.00	10.30
KAR11			50	14.48	82.0	0.64	4.70	11.50
KAR11			63	9.51	83.3	1.01	4.30	13.00
KAR11			80	5.76	86.1	1.47	3.70	14.80
KAR11			100	3.53	90.8	2.30	3.00	16.80
KAR11			125	-5.37	89.3	3.50	1.80	18.80
KAR11			160	-12.62	90.6	5.24	0.00	21.10
KAR11			200	-17.82	91.9	7.54	0.00	22.80
KAR12	9 355	9 357						
KAR12			20	21.98	63.9	0.00	5.60	7.60
KAR12			25	18.99	67.8	0.19	5.40	8.30
KAR12			32	18.00	73.3	0.28	5.20	9.20
KAR12			40	15.31	76.9	0.47	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR12			50	14.32	82.0	0.66	4.70	11.50
KAR12			63	9.35	83.3	1.03	4.30	13.00
KAR12			80	5.58	86.1	1.50	3.70	14.80
KAR12			100	3.34	90.8	2.34	3.00	16.80
KAR12			125	-5.58	89.3	3.56	1.80	18.80
KAR12			160	-12.86	90.6	5.33	0.00	21.10
KAR12			200	-18.10	91.9	7.67	0.00	22.80
KAR13	9 756	9 758						
KAR13			20	21.61	63.9	0.00	5.60	7.60
KAR13			25	18.62	67.8	0.20	5.40	8.30
KAR13			32	17.62	73.3	0.29	5.20	9.20
KAR13			40	14.92	76.9	0.49	5.00	10.30
KAR13			50	13.93	82.0	0.68	4.70	11.50
KAR13			63	8.94	83.3	1.07	4.30	13.00
KAR13			80	5.15	86.1	1.56	3.70	14.80
KAR13			100	2.87	90.8	2.44	3.00	16.80
KAR13			125	-6.10	89.3	3.71	1.80	18.80
KAR13			160	-13.45	90.6	5.56	0.00	21.10
KAR13			200	-18.79	91.9	8.00	0.00	22.80
KAR14	9 383	9 386						
KAR14			20	21.95	63.9	0.00	5.60	7.60
KAR14			25	18.96	67.8	0.19	5.40	8.30
KAR14			32	17.97	73.3	0.28	5.20	9.20
KAR14			40	15.28	76.9	0.47	5.00	10.30
KAR14			50	14.29	82.0	0.66	4.70	11.50
KAR14			63	9.32	83.3	1.03	4.30	13.00
KAR14			80	5.55	86.1	1.50	3.70	14.80
KAR14			100	3.30	90.8	2.35	3.00	16.80
KAR14			125	-5.62	89.3	3.57	1.80	18.80
KAR14			160	-12.90	90.6	5.35	0.00	21.10
KAR14			200	-18.15	91.9	7.70	0.00	22.80
KAR15	10 082	10 084						
KAR15			20	21.33	63.9	0.00	5.60	7.60
KAR15			25	18.33	67.8	0.20	5.40	8.30
KAR15			32	17.32	73.3	0.30	5.20	9.20
KAR15			40	14.62	76.9	0.50	5.00	10.30
KAR15			50	13.62	82.0	0.71	4.70	11.50
KAR15			63	8.62	83.3	1.11	4.30	13.00
KAR15			80	4.81	86.1	1.61	3.70	14.80
KAR15			100	2.51	90.8	2.52	3.00	16.80
KAR15			125	-6.50	89.3	3.83	1.80	18.80
KAR15			160	-13.92	90.6	5.75	0.00	21.10
KAR15			200	-19.34	91.9	8.27	0.00	22.80
KAR16	9 997	9 999						
KAR16			20	21.40	63.9	0.00	5.60	7.60
KAR16			25	18.40	67.8	0.20	5.40	8.30
KAR16			32	17.40	73.3	0.30	5.20	9.20
KAR16			40	14.70	76.9	0.50	5.00	10.30
KAR16			50	13.70	82.0	0.70	4.70	11.50
KAR16			63	8.70	83.3	1.10	4.30	13.00
KAR16			80	4.90	86.1	1.60	3.70	14.80
KAR16			100	2.60	90.8	2.50	3.00	16.80
KAR16			125	-6.40	89.3	3.80	1.80	18.80
KAR16			160	-13.80	90.6	5.70	0.00	21.10
KAR16			200	-19.20	91.9	8.20	0.00	22.80
KAR17	10 288	10 290						
KAR17			20	21.15	63.9	0.00	5.60	7.60
KAR17			25	18.15	67.8	0.21	5.40	8.30
KAR17			32	17.14	73.3	0.31	5.20	9.20
KAR17			40	14.44	76.9	0.51	5.00	10.30
KAR17			50	13.43	82.0	0.72	4.70	11.50
KAR17			63	8.42	83.3	1.13	4.30	13.00
KAR17			80	4.61	86.1	1.65	3.70	14.80
KAR17			100	2.28	90.8	2.57	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR17			125	-6.76	89.3	3.91	1.80	18.80
KAR17			160	-14.21	90.6	5.87	0.00	21.10
KAR17			200	-19.69	91.9	8.44	0.00	22.80
KAR18	10 029	10 031						
KAR18			20	21.37	63.9	0.00	5.60	7.60
KAR18			25	18.37	67.8	0.20	5.40	8.30
KAR18			32	17.37	73.3	0.30	5.20	9.20
KAR18			40	14.67	76.9	0.50	5.00	10.30
KAR18			50	13.67	82.0	0.70	4.70	11.50
KAR18			63	8.67	83.3	1.10	4.30	13.00
KAR18			80	4.87	86.1	1.61	3.70	14.80
KAR18			100	2.56	90.8	2.51	3.00	16.80
KAR18			125	-6.44	89.3	3.81	1.80	18.80
KAR18			160	-13.85	90.6	5.72	0.00	21.10
KAR18			200	-19.25	91.9	8.23	0.00	22.80
KAR19	10 873	10 875						
KAR19			20	20.67	63.9	0.00	5.60	7.60
KAR19			25	17.65	67.8	0.22	5.40	8.30
KAR19			32	16.65	73.3	0.33	5.20	9.20
KAR19			40	13.93	76.9	0.54	5.00	10.30
KAR19			50	12.91	82.0	0.76	4.70	11.50
KAR19			63	7.88	83.3	1.20	4.30	13.00
KAR19			80	4.03	86.1	1.74	3.70	14.80
KAR19			100	1.65	90.8	2.72	3.00	16.80
KAR19			125	-7.46	89.3	4.13	1.80	18.80
KAR19			160	-15.03	90.6	6.20	0.00	21.10
KAR19			200	-20.65	91.9	8.92	0.00	22.80
KAR20	10 686	10 688						
KAR20			20	20.82	63.9	0.00	5.60	7.60
KAR20			25	17.81	67.8	0.21	5.40	8.30
KAR20			32	16.80	73.3	0.32	5.20	9.20
KAR20			40	14.09	76.9	0.53	5.00	10.30
KAR20			50	13.07	82.0	0.75	4.70	11.50
KAR20			63	8.05	83.3	1.18	4.30	13.00
KAR20			80	4.21	86.1	1.71	3.70	14.80
KAR20			100	1.85	90.8	2.67	3.00	16.80
KAR20			125	-7.24	89.3	4.06	1.80	18.80
KAR20			160	-14.77	90.6	6.09	0.00	21.10
KAR20			200	-20.34	91.9	8.76	0.00	22.80
KAR21	10 916	10 917						
KAR21			20	20.64	63.9	0.00	5.60	7.60
KAR21			25	17.62	67.8	0.22	5.40	8.30
KAR21			32	16.61	73.3	0.33	5.20	9.20
KAR21			40	13.89	76.9	0.55	5.00	10.30
KAR21			50	12.87	82.0	0.76	4.70	11.50
KAR21			63	7.84	83.3	1.20	4.30	13.00
KAR21			80	3.99	86.1	1.75	3.70	14.80
KAR21			100	1.61	90.8	2.73	3.00	16.80
KAR21			125	-7.51	89.3	4.15	1.80	18.80
KAR21			160	-15.09	90.6	6.22	0.00	21.10
KAR21			200	-20.71	91.9	8.95	0.00	22.80
KAR22	11 250	11 251						
KAR22			20	20.38	63.9	0.00	5.60	7.60
KAR22			25	17.35	67.8	0.23	5.40	8.30
KAR22			32	16.34	73.3	0.34	5.20	9.20
KAR22			40	13.61	76.9	0.56	5.00	10.30
KAR22			50	12.59	82.0	0.79	4.70	11.50
KAR22			63	7.54	83.3	1.24	4.30	13.00
KAR22			80	3.68	86.1	1.80	3.70	14.80
KAR22			100	1.26	90.8	2.81	3.00	16.80
KAR22			125	-7.90	89.3	4.28	1.80	18.80
KAR22			160	-15.54	90.6	6.41	0.00	21.10
KAR22			200	-21.25	91.9	9.23	0.00	22.80
KAR23	11 651	11 653						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			20	20.07	63.9	0.00	5.60	7.60
KAR23			25	17.04	67.8	0.23	5.40	8.30
KAR23			32	16.02	73.3	0.35	5.20	9.20
KAR23			40	13.29	76.9	0.58	5.00	10.30
KAR23			50	12.26	82.0	0.82	4.70	11.50
KAR23			63	7.19	83.3	1.28	4.30	13.00
KAR23			80	3.31	86.1	1.86	3.70	14.80
KAR23			100	0.86	90.8	2.91	3.00	16.80
KAR23			125	-8.36	89.3	4.43	1.80	18.80
KAR23			160	-16.07	90.6	6.64	0.00	21.10
KAR23			200	-21.88	91.9	9.56	0.00	22.80
KAR24	6 772	6 774						
KAR24			20	24.78	63.9	0.00	5.60	7.60
KAR24			25	21.85	67.8	0.14	5.40	8.30
KAR24			32	20.88	73.3	0.20	5.20	9.20
KAR24			40	18.24	76.9	0.34	5.00	10.30
KAR24			50	17.31	82.0	0.47	4.70	11.50
KAR24			63	12.44	83.3	0.75	4.30	13.00
KAR24			80	8.80	86.1	1.08	3.70	14.80
KAR24			100	6.79	90.8	1.69	3.00	16.80
KAR24			125	-1.79	89.3	2.57	1.80	18.80
KAR24			160	-8.58	90.6	3.86	0.00	21.10
KAR24			200	-13.17	91.9	5.56	0.00	22.80
KAR25	7 308	7 310						
KAR25			20	24.12	63.9	0.00	5.60	7.60
KAR25			25	21.18	67.8	0.15	5.40	8.30
KAR25			32	20.20	73.3	0.22	5.20	9.20
KAR25			40	17.56	76.9	0.37	5.00	10.30
KAR25			50	16.61	82.0	0.51	4.70	11.50
KAR25			63	11.72	83.3	0.80	4.30	13.00
KAR25			80	8.05	86.1	1.17	3.70	14.80
KAR25			100	5.99	90.8	1.83	3.00	16.80
KAR25			125	-2.66	89.3	2.78	1.80	18.80
KAR25			160	-9.55	90.6	4.17	0.00	21.10
KAR25			200	-14.27	91.9	5.99	0.00	22.80
MAA01	5 542	5 543						
MAA01			20	26.52	63.9	0.00	5.60	7.60
MAA01			25	23.61	67.8	0.11	5.40	8.30
MAA01			32	22.66	73.3	0.17	5.20	9.20
MAA01			40	20.05	76.9	0.28	5.00	10.30
MAA01			50	19.14	82.0	0.39	4.70	11.50
MAA01			63	14.31	83.3	0.61	4.30	13.00
MAA01			80	10.74	86.1	0.89	3.70	14.80
MAA01			100	8.84	90.8	1.39	3.00	16.80
MAA01			125	0.42	89.3	2.11	1.80	18.80
MAA01			160	-6.14	90.6	3.16	0.00	21.10
MAA01			200	-10.42	91.9	4.55	0.00	22.80
MAA03	6 269	6 270						
MAA03			20	25.45	63.9	0.00	5.60	7.60
MAA03			25	22.53	67.8	0.13	5.40	8.30
MAA03			32	21.57	73.3	0.19	5.20	9.20
MAA03			40	18.94	76.9	0.31	5.00	10.30
MAA03			50	18.02	82.0	0.44	4.70	11.50
MAA03			63	13.16	83.3	0.69	4.30	13.00
MAA03			80	9.55	86.1	1.00	3.70	14.80
MAA03			100	7.59	90.8	1.57	3.00	16.80
MAA03			125	-0.93	89.3	2.38	1.80	18.80
MAA03			160	-7.62	90.6	3.57	0.00	21.10
MAA03			200	-12.09	91.9	5.14	0.00	22.80
MAA04	7 141	7 143						
MAA04			20	24.32	63.9	0.00	5.60	7.60
MAA04			25	21.38	67.8	0.14	5.40	8.30
MAA04			32	20.41	73.3	0.21	5.20	9.20
MAA04			40	17.77	76.9	0.36	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA04			50	16.82	82.0	0.50	4.70	11.50
MAA04			63	11.94	83.3	0.79	4.30	13.00
MAA04			80	8.28	86.1	1.14	3.70	14.80
MAA04			100	6.24	90.8	1.79	3.00	16.80
MAA04			125	-2.39	89.3	2.71	1.80	18.80
MAA04			160	-9.25	90.6	4.07	0.00	21.10
MAA04			200	-13.93	91.9	5.86	0.00	22.80
MAA05	6 993	6 994						
MAA05			20	24.51	63.9	0.00	5.60	7.60
MAA05			25	21.57	67.8	0.14	5.40	8.30
MAA05			32	20.60	73.3	0.21	5.20	9.20
MAA05			40	17.96	76.9	0.35	5.00	10.30
MAA05			50	17.02	82.0	0.49	4.70	11.50
MAA05			63	12.14	83.3	0.77	4.30	13.00
MAA05			80	8.49	86.1	1.12	3.70	14.80
MAA05			100	6.46	90.8	1.75	3.00	16.80
MAA05			125	-2.15	89.3	2.66	1.80	18.80
MAA05			160	-8.98	90.6	3.99	0.00	21.10
MAA05			200	-13.63	91.9	5.74	0.00	22.80
MAA06	8 203	8 205						
MAA06			20	23.12	63.9	0.00	5.60	7.60
MAA06			25	20.15	67.8	0.16	5.40	8.30
MAA06			32	19.17	73.3	0.25	5.20	9.20
MAA06			40	16.51	76.9	0.41	5.00	10.30
MAA06			50	15.54	82.0	0.57	4.70	11.50
MAA06			63	10.62	83.3	0.90	4.30	13.00
MAA06			80	6.91	86.1	1.31	3.70	14.80
MAA06			100	4.77	90.8	2.05	3.00	16.80
MAA06			125	-4.00	89.3	3.12	1.80	18.80
MAA06			160	-11.06	90.6	4.68	0.00	21.10
MAA06			200	-16.01	91.9	6.73	0.00	22.80
MAA07	8 783	8 784						
MAA07			20	22.53	63.9	0.00	5.60	7.60
MAA07			25	19.55	67.8	0.18	5.40	8.30
MAA07			32	18.56	73.3	0.26	5.20	9.20
MAA07			40	15.89	76.9	0.44	5.00	10.30
MAA07			50	14.91	82.0	0.61	4.70	11.50
MAA07			63	9.96	83.3	0.97	4.30	13.00
MAA07			80	6.22	86.1	1.41	3.70	14.80
MAA07			100	4.03	90.8	2.20	3.00	16.80
MAA07			125	-4.81	89.3	3.34	1.80	18.80
MAA07			160	-11.98	90.6	5.01	0.00	21.10
MAA07			200	-17.08	91.9	7.20	0.00	22.80
MAA08	9 192	9 193						
MAA08			20	22.13	63.9	0.00	5.60	7.60
MAA08			25	19.15	67.8	0.18	5.40	8.30
MAA08			32	18.16	73.3	0.28	5.20	9.20
MAA08			40	15.47	76.9	0.46	5.00	10.30
MAA08			50	14.49	82.0	0.64	4.70	11.50
MAA08			63	9.52	83.3	1.01	4.30	13.00
MAA08			80	5.76	86.1	1.47	3.70	14.80
MAA08			100	3.53	90.8	2.30	3.00	16.80
MAA08			125	-5.36	89.3	3.49	1.80	18.80
MAA08			160	-12.61	90.6	5.24	0.00	21.10
MAA08			200	-17.81	91.9	7.54	0.00	22.80
RAH01	4 766	4 768						
RAH01			20	25.98	62.0	0.00	5.60	7.60
RAH01			25	24.39	67.2	0.10	5.40	8.30
RAH01			32	22.74	72.0	0.14	5.20	9.20
RAH01			40	21.32	76.8	0.24	5.00	10.30
RAH01			50	19.72	81.2	0.33	4.70	11.50
RAH01			63	17.43	85.0	0.52	4.30	13.00
RAH01			80	14.39	88.3	0.76	3.70	14.80
RAH01			100	10.64	91.1	1.19	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH01			125	6.02	93.3	1.81	1.80	18.80
RAH01			160	-0.01	95.0	2.72	0.00	21.10
RAH01			200	-4.28	96.1	3.91	0.00	22.80
RAH02	5 616	5 618						
RAH02			20	24.56	62.0	0.00	5.60	7.60
RAH02			25	22.95	67.2	0.11	5.40	8.30
RAH02			32	21.29	72.0	0.17	5.20	9.20
RAH02			40	19.85	76.8	0.28	5.00	10.30
RAH02			50	18.24	81.2	0.39	4.70	11.50
RAH02			63	15.92	85.0	0.62	4.30	13.00
RAH02			80	12.83	88.3	0.90	3.70	14.80
RAH02			100	9.00	91.1	1.40	3.00	16.80
RAH02			125	4.27	93.3	2.13	1.80	18.80
RAH02			160	-1.92	95.0	3.20	0.00	21.10
RAH02			200	-6.40	96.1	4.61	0.00	22.80
RAH03	5 100	5 103						
RAH03			20	25.39	62.0	0.00	5.60	7.60
RAH03			25	23.79	67.2	0.10	5.40	8.30
RAH03			32	22.14	72.0	0.15	5.20	9.20
RAH03			40	20.71	76.8	0.26	5.00	10.30
RAH03			50	19.11	81.2	0.36	4.70	11.50
RAH03			63	16.81	85.0	0.56	4.30	13.00
RAH03			80	13.75	88.3	0.82	3.70	14.80
RAH03			100	9.97	91.1	1.28	3.00	16.80
RAH03			125	5.30	93.3	1.94	1.80	18.80
RAH03			160	-0.79	95.0	2.91	0.00	21.10
RAH03			200	-5.14	96.1	4.18	0.00	22.80
RAH04	6 294	6 296						
RAH04			20	23.57	62.0	0.00	5.60	7.60
RAH04			25	21.94	67.2	0.13	5.40	8.30
RAH04			32	20.28	72.0	0.19	5.20	9.20
RAH04			40	18.83	76.8	0.31	5.00	10.30
RAH04			50	17.20	81.2	0.44	4.70	11.50
RAH04			63	14.85	85.0	0.69	4.30	13.00
RAH04			80	11.74	88.3	1.01	3.70	14.80
RAH04			100	7.84	91.1	1.57	3.00	16.80
RAH04			125	3.03	93.3	2.39	1.80	18.80
RAH04			160	-3.29	95.0	3.59	0.00	21.10
RAH04			200	-7.94	96.1	5.16	0.00	22.80
RAH05	6 060	6 062						
RAH05			20	23.90	62.0	0.00	5.60	7.60
RAH05			25	22.27	67.2	0.12	5.40	8.30
RAH05			32	20.61	72.0	0.18	5.20	9.20
RAH05			40	19.17	76.8	0.30	5.00	10.30
RAH05			50	17.55	81.2	0.42	4.70	11.50
RAH05			63	15.20	85.0	0.67	4.30	13.00
RAH05			80	12.10	88.3	0.97	3.70	14.80
RAH05			100	8.23	91.1	1.52	3.00	16.80
RAH05			125	3.44	93.3	2.30	1.80	18.80
RAH05			160	-2.83	95.0	3.46	0.00	21.10
RAH05			200	-7.42	96.1	4.97	0.00	22.80
RAH06	6 808	6 810						
RAH06			20	22.89	62.0	0.00	5.60	7.60
RAH06			25	21.25	67.2	0.14	5.40	8.30
RAH06			32	19.58	72.0	0.20	5.20	9.20
RAH06			40	18.12	76.8	0.34	5.00	10.30
RAH06			50	16.48	81.2	0.48	4.70	11.50
RAH06			63	14.11	85.0	0.75	4.30	13.00
RAH06			80	10.97	88.3	1.09	3.70	14.80
RAH06			100	7.03	91.1	1.70	3.00	16.80
RAH06			125	2.15	93.3	2.59	1.80	18.80
RAH06			160	-4.27	95.0	3.88	0.00	21.10
RAH06			200	-9.05	96.1	5.58	0.00	22.80
RAH07	8 168	8 170						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			20	21.30	62.0	0.00	5.60	7.60
RAH07			25	19.64	67.2	0.16	5.40	8.30
RAH07			32	17.96	72.0	0.25	5.20	9.20
RAH07			40	16.47	76.8	0.41	5.00	10.30
RAH07			50	14.81	81.2	0.57	4.70	11.50
RAH07			63	12.38	85.0	0.90	4.30	13.00
RAH07			80	9.17	88.3	1.31	3.70	14.80
RAH07			100	5.11	91.1	2.04	3.00	16.80
RAH07			125	0.05	93.3	3.10	1.80	18.80
RAH07			160	-6.63	95.0	4.66	0.00	21.10
RAH07			200	-11.74	96.1	6.70	0.00	22.80
RAH08	7 652	7 653						
RAH08			20	21.87	62.0	0.00	5.60	7.60
RAH08			25	20.22	67.2	0.15	5.40	8.30
RAH08			32	18.54	72.0	0.23	5.20	9.20
RAH08			40	17.06	76.8	0.38	5.00	10.30
RAH08			50	15.41	81.2	0.54	4.70	11.50
RAH08			63	13.01	85.0	0.84	4.30	13.00
RAH08			80	9.82	88.3	1.22	3.70	14.80
RAH08			100	5.81	91.1	1.91	3.00	16.80
RAH08			125	0.81	93.3	2.91	1.80	18.80
RAH08			160	-5.76	95.0	4.36	0.00	21.10
RAH08			200	-10.75	96.1	6.28	0.00	22.80
RAH09	7 325	7 327						
RAH09			20	22.25	62.0	0.00	5.60	7.60
RAH09			25	20.60	67.2	0.15	5.40	8.30
RAH09			32	18.93	72.0	0.22	5.20	9.20
RAH09			40	17.46	76.8	0.37	5.00	10.30
RAH09			50	15.81	81.2	0.51	4.70	11.50
RAH09			63	13.42	85.0	0.81	4.30	13.00
RAH09			80	10.25	88.3	1.17	3.70	14.80
RAH09			100	6.27	91.1	1.83	3.00	16.80
RAH09			125	1.32	93.3	2.78	1.80	18.80
RAH09			160	-5.20	95.0	4.18	0.00	21.10
RAH09			200	-10.11	96.1	6.01	0.00	22.80
RAH10	6 887	6 888						
RAH10			20	22.79	62.0	0.00	5.60	7.60
RAH10			25	21.15	67.2	0.14	5.40	8.30
RAH10			32	19.48	72.0	0.21	5.20	9.20
RAH10			40	18.02	76.8	0.34	5.00	10.30
RAH10			50	16.38	81.2	0.48	4.70	11.50
RAH10			63	14.00	85.0	0.76	4.30	13.00
RAH10			80	10.86	88.3	1.10	3.70	14.80
RAH10			100	6.92	91.1	1.72	3.00	16.80
RAH10			125	2.02	93.3	2.62	1.80	18.80
RAH10			160	-4.41	95.0	3.93	0.00	21.10
RAH10			200	-9.21	96.1	5.65	0.00	22.80
RAH11	4 000	4 003						
RAH11			20	27.50	62.0	0.00	5.60	7.60
RAH11			25	25.92	67.2	0.08	5.40	8.30
RAH11			32	24.28	72.0	0.12	5.20	9.20
RAH11			40	22.88	76.8	0.20	5.00	10.30
RAH11			50	21.30	81.2	0.28	4.70	11.50
RAH11			63	19.04	85.0	0.44	4.30	13.00
RAH11			80	16.04	88.3	0.64	3.70	14.80
RAH11			100	12.35	91.1	1.00	3.00	16.80
RAH11			125	7.83	93.3	1.52	1.80	18.80
RAH11			160	1.95	95.0	2.28	0.00	21.10
RAH11			200	-2.13	96.1	3.28	0.00	22.80
RAH12	3 628	3 631						
RAH12			20	28.35	62.0	0.00	5.60	7.60
RAH12			25	26.77	67.2	0.07	5.40	8.30
RAH12			32	25.14	72.0	0.11	5.20	9.20
RAH12			40	23.74	76.8	0.18	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH12			50	22.17	81.2	0.25	4.70	11.50
RAH12			63	19.92	85.0	0.40	4.30	13.00
RAH12			80	16.94	88.3	0.58	3.70	14.80
RAH12			100	13.29	91.1	0.91	3.00	16.80
RAH12			125	8.82	93.3	1.38	1.80	18.80
RAH12			160	3.00	95.0	2.07	0.00	21.10
RAH12			200	-0.98	96.1	2.98	0.00	22.80
RAH13	2 894	2 898						
RAH13			20	30.31	62.0	0.00	5.60	7.60
RAH13			25	28.75	67.2	0.06	5.40	8.30
RAH13			32	27.12	72.0	0.09	5.20	9.20
RAH13			40	25.74	76.8	0.14	5.00	10.30
RAH13			50	24.18	81.2	0.20	4.70	11.50
RAH13			63	21.96	85.0	0.32	4.30	13.00
RAH13			80	19.02	88.3	0.46	3.70	14.80
RAH13			100	15.43	91.1	0.72	3.00	16.80
RAH13			125	11.06	93.3	1.10	1.80	18.80
RAH13			160	5.38	95.0	1.65	0.00	21.10
RAH13			200	1.58	96.1	2.38	0.00	22.80
RAH14	3 300	3 303						
RAH14			20	29.17	62.0	0.00	5.60	7.60
RAH14			25	27.60	67.2	0.07	5.40	8.30
RAH14			32	25.97	72.0	0.10	5.20	9.20
RAH14			40	24.58	76.8	0.17	5.00	10.30
RAH14			50	23.01	81.2	0.23	4.70	11.50
RAH14			63	20.78	85.0	0.36	4.30	13.00
RAH14			80	17.82	88.3	0.53	3.70	14.80
RAH14			100	14.20	91.1	0.83	3.00	16.80
RAH14			125	9.77	93.3	1.26	1.80	18.80
RAH14			160	4.01	95.0	1.88	0.00	21.10
RAH14			200	0.11	96.1	2.71	0.00	22.80
RAH15	2 131	2 137						
RAH15			20	32.95	62.0	0.00	5.60	7.60
RAH15			25	31.41	67.2	0.04	5.40	8.30
RAH15			32	29.79	72.0	0.06	5.20	9.20
RAH15			40	28.42	76.8	0.11	5.00	10.30
RAH15			50	26.88	81.2	0.15	4.70	11.50
RAH15			63	24.69	85.0	0.24	4.30	13.00
RAH15			80	21.79	88.3	0.34	3.70	14.80
RAH15			100	18.27	91.1	0.53	3.00	16.80
RAH15			125	13.99	93.3	0.81	1.80	18.80
RAH15			160	8.46	95.0	1.22	0.00	21.10
RAH15			200	4.85	96.1	1.75	0.00	22.80
RAH16	2 009	2 015						
RAH16			20	33.46	62.0	0.00	5.60	7.60
RAH16			25	31.92	67.2	0.04	5.40	8.30
RAH16			32	30.30	72.0	0.06	5.20	9.20
RAH16			40	28.94	76.8	0.10	5.00	10.30
RAH16			50	27.40	81.2	0.14	4.70	11.50
RAH16			63	25.22	85.0	0.22	4.30	13.00
RAH16			80	22.32	88.3	0.32	3.70	14.80
RAH16			100	18.81	91.1	0.50	3.00	16.80
RAH16			125	14.55	93.3	0.77	1.80	18.80
RAH16			160	9.04	95.0	1.15	0.00	21.10
RAH16			200	5.46	96.1	1.65	0.00	22.80
RAH17	3 127	3 132						
RAH17			20	29.63	62.0	0.00	5.60	7.60
RAH17			25	28.07	67.2	0.06	5.40	8.30
RAH17			32	26.44	72.0	0.09	5.20	9.20
RAH17			40	25.05	76.8	0.16	5.00	10.30
RAH17			50	23.49	81.2	0.22	4.70	11.50
RAH17			63	21.26	85.0	0.34	4.30	13.00
RAH17			80	18.31	88.3	0.50	3.70	14.80
RAH17			100	14.70	91.1	0.78	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH17			125	10.29	93.3	1.19	1.80	18.80
RAH17			160	4.58	95.0	1.78	0.00	21.10
RAH17			200	0.72	96.1	2.57	0.00	22.80
RAH18	2 444	2 450						
RAH18			20	31.76	62.0	0.00	5.60	7.60
RAH18			25	30.22	67.2	0.05	5.40	8.30
RAH18			32	28.59	72.0	0.07	5.20	9.20
RAH18			40	27.22	76.8	0.12	5.00	10.30
RAH18			50	25.67	81.2	0.17	4.70	11.50
RAH18			63	23.47	85.0	0.27	4.30	13.00
RAH18			80	20.55	88.3	0.39	3.70	14.80
RAH18			100	17.00	91.1	0.61	3.00	16.80
RAH18			125	12.68	93.3	0.93	1.80	18.80
RAH18			160	7.09	95.0	1.40	0.00	21.10
RAH18			200	3.41	96.1	2.01	0.00	22.80
RAH19	2 952	2 957						
RAH19			20	30.13	62.0	0.00	5.60	7.60
RAH19			25	28.57	67.2	0.06	5.40	8.30
RAH19			32	26.94	72.0	0.09	5.20	9.20
RAH19			40	25.56	76.8	0.15	5.00	10.30
RAH19			50	24.00	81.2	0.21	4.70	11.50
RAH19			63	21.78	85.0	0.33	4.30	13.00
RAH19			80	18.83	88.3	0.47	3.70	14.80
RAH19			100	15.24	91.1	0.74	3.00	16.80
RAH19			125	10.86	93.3	1.12	1.80	18.80
RAH19			160	5.17	95.0	1.69	0.00	21.10
RAH19			200	1.36	96.1	2.43	0.00	22.80
SIL01	4 336	4 339						
SIL01			20	28.07	63.3	0.00	5.60	7.60
SIL01			25	26.38	68.4	0.09	5.40	8.30
SIL01			32	20.45	68.9	0.13	5.20	9.20
SIL01			40	17.46	72.1	0.22	5.00	10.30
SIL01			50	16.17	76.8	0.30	4.70	11.50
SIL01			63	13.08	79.8	0.48	4.30	13.00
SIL01			80	9.57	82.6	0.69	3.70	14.80
SIL01			100	6.50	86.0	1.08	3.00	16.80
SIL01			125	2.99	89.3	1.65	1.80	18.80
SIL01			160	-5.74	88.2	2.47	0.00	21.10
SIL01			200	-9.22	90.0	3.56	0.00	22.80
SIL02	4 248	4 251						
SIL02			20	28.25	63.3	0.00	5.60	7.60
SIL02			25	26.56	68.4	0.09	5.40	8.30
SIL02			32	20.63	68.9	0.13	5.20	9.20
SIL02			40	17.64	72.1	0.21	5.00	10.30
SIL02			50	16.36	76.8	0.30	4.70	11.50
SIL02			63	13.27	79.8	0.47	4.30	13.00
SIL02			80	9.76	82.6	0.68	3.70	14.80
SIL02			100	6.70	86.0	1.06	3.00	16.80
SIL02			125	3.20	89.3	1.62	1.80	18.80
SIL02			160	-5.51	88.2	2.42	0.00	21.10
SIL02			200	-8.97	90.0	3.49	0.00	22.80
SIL03	4 051	4 054						
SIL03			20	28.67	63.3	0.00	5.60	7.60
SIL03			25	26.98	68.4	0.08	5.40	8.30
SIL03			32	21.05	68.9	0.12	5.20	9.20
SIL03			40	18.06	72.1	0.20	5.00	10.30
SIL03			50	16.78	76.8	0.28	4.70	11.50
SIL03			63	13.70	79.8	0.45	4.30	13.00
SIL03			80	10.21	82.6	0.65	3.70	14.80
SIL03			100	7.16	86.0	1.01	3.00	16.80
SIL03			125	3.69	89.3	1.54	1.80	18.80
SIL03			160	-4.99	88.2	2.31	0.00	21.10
SIL03			200	-8.39	90.0	3.32	0.00	22.80
SIL04	3 644	3 647						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			20	29.58	63.3	0.00	5.60	7.60
SIL04			25	27.90	68.4	0.07	5.40	8.30
SIL04			32	21.98	68.9	0.11	5.20	9.20
SIL04			40	19.00	72.1	0.18	5.00	10.30
SIL04			50	17.73	76.8	0.26	4.70	11.50
SIL04			63	14.67	79.8	0.40	4.30	13.00
SIL04			80	11.19	82.6	0.58	3.70	14.80
SIL04			100	8.18	86.0	0.91	3.00	16.80
SIL04			125	4.76	89.3	1.39	1.80	18.80
SIL04			160	-3.84	88.2	2.08	0.00	21.10
SIL04			200	-7.14	90.0	2.99	0.00	22.80
SIL05	3 843	3 846						
SIL05			20	29.12	63.3	0.00	5.60	7.60
SIL05			25	27.44	68.4	0.08	5.40	8.30
SIL05			32	21.51	68.9	0.12	5.20	9.20
SIL05			40	18.53	72.1	0.19	5.00	10.30
SIL05			50	17.25	76.8	0.27	4.70	11.50
SIL05			63	14.18	79.8	0.42	4.30	13.00
SIL05			80	10.70	82.6	0.62	3.70	14.80
SIL05			100	7.67	86.0	0.96	3.00	16.80
SIL05			125	4.23	89.3	1.46	1.80	18.80
SIL05			160	-4.41	88.2	2.19	0.00	21.10
SIL05			200	-7.77	90.0	3.15	0.00	22.80
SIL06	3 748	3 751						
SIL06			20	29.34	63.3	0.00	5.60	7.60
SIL06			25	27.66	68.4	0.08	5.40	8.30
SIL06			32	21.73	68.9	0.11	5.20	9.20
SIL06			40	18.75	72.1	0.19	5.00	10.30
SIL06			50	17.48	76.8	0.26	4.70	11.50
SIL06			63	14.41	79.8	0.41	4.30	13.00
SIL06			80	10.93	82.6	0.60	3.70	14.80
SIL06			100	7.91	86.0	0.94	3.00	16.80
SIL06			125	4.48	89.3	1.43	1.80	18.80
SIL06			160	-4.14	88.2	2.14	0.00	21.10
SIL06			200	-7.47	90.0	3.08	0.00	22.80
SIL07	3 181	3 185						
SIL07			20	30.76	63.3	0.00	5.60	7.60
SIL07			25	29.09	68.4	0.06	5.40	8.30
SIL07			32	23.17	68.9	0.10	5.20	9.20
SIL07			40	20.20	72.1	0.16	5.00	10.30
SIL07			50	18.94	76.8	0.22	4.70	11.50
SIL07			63	15.89	79.8	0.35	4.30	13.00
SIL07			80	12.44	82.6	0.51	3.70	14.80
SIL07			100	9.47	86.0	0.80	3.00	16.80
SIL07			125	6.12	89.3	1.21	1.80	18.80
SIL07			160	-2.39	88.2	1.82	0.00	21.10
SIL07			200	-5.59	90.0	2.61	0.00	22.80
SIL08	3 210	3 214						
SIL08			20	30.68	63.3	0.00	5.60	7.60
SIL08			25	29.01	68.4	0.06	5.40	8.30
SIL08			32	23.09	68.9	0.10	5.20	9.20
SIL08			40	20.12	72.1	0.16	5.00	10.30
SIL08			50	18.86	76.8	0.22	4.70	11.50
SIL08			63	15.81	79.8	0.35	4.30	13.00
SIL08			80	12.36	82.6	0.51	3.70	14.80
SIL08			100	9.39	86.0	0.80	3.00	16.80
SIL08			125	6.03	89.3	1.22	1.80	18.80
SIL08			160	-2.49	88.2	1.83	0.00	21.10
SIL08			200	-5.69	90.0	2.64	0.00	22.80
Sum								
Sum			20	44.22				
Sum			25	42.32				
Sum			32	40.01				
Sum			40	38.16				

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
Sum			50	36.75				
Sum			63	33.95				
Sum			80	30.84				
Sum			100	27.50				
Sum			125	22.72				
Sum			160	16.67				
Sum			200	12.83				

Noise sensitive area: J Noise sensitive point: Finnish normal frequency - User defined (3)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	10 316	10 318						
KAR01			20	21.13	63.9	0.00	5.60	7.60
KAR01			25	18.12	67.8	0.21	5.40	8.30
KAR01			32	17.12	73.3	0.31	5.20	9.20
KAR01			40	14.41	76.9	0.52	5.00	10.30
KAR01			50	13.41	82.0	0.72	4.70	11.50
KAR01			63	8.39	83.3	1.13	4.30	13.00
KAR01			80	4.58	86.1	1.65	3.70	14.80
KAR01			100	2.25	90.8	2.58	3.00	16.80
KAR01			125	-6.79	89.3	3.92	1.80	18.80
KAR01			160	-14.25	90.6	5.88	0.00	21.10
KAR01			200	-19.73	91.9	8.46	0.00	22.80
KAR02	9 839	9 841						
KAR02			20	21.54	63.9	0.00	5.60	7.60
KAR02			25	18.54	67.8	0.20	5.40	8.30
KAR02			32	17.54	73.3	0.30	5.20	9.20
KAR02			40	14.85	76.9	0.49	5.00	10.30
KAR02			50	13.85	82.0	0.69	4.70	11.50
KAR02			63	8.86	83.3	1.08	4.30	13.00
KAR02			80	5.06	86.1	1.57	3.70	14.80
KAR02			100	2.78	90.8	2.46	3.00	16.80
KAR02			125	-6.20	89.3	3.74	1.80	18.80
KAR02			160	-13.57	90.6	5.61	0.00	21.10
KAR02			200	-18.93	91.9	8.07	0.00	22.80
KAR03	10 378	10 380						
KAR03			20	21.08	63.9	0.00	5.60	7.60
KAR03			25	18.07	67.8	0.21	5.40	8.30
KAR03			32	17.06	73.3	0.31	5.20	9.20
KAR03			40	14.36	76.9	0.52	5.00	10.30
KAR03			50	13.35	82.0	0.73	4.70	11.50
KAR03			63	8.33	83.3	1.14	4.30	13.00
KAR03			80	4.51	86.1	1.66	3.70	14.80
KAR03			100	2.18	90.8	2.60	3.00	16.80
KAR03			125	-6.87	89.3	3.94	1.80	18.80
KAR03			160	-14.34	90.6	5.92	0.00	21.10
KAR03			200	-19.84	91.9	8.51	0.00	22.80
KAR04	11 040	11 042						
KAR04			20	20.54	63.9	0.00	5.60	7.60
KAR04			25	17.52	67.8	0.22	5.40	8.30
KAR04			32	16.51	73.3	0.33	5.20	9.20
KAR04			40	13.79	76.9	0.55	5.00	10.30
KAR04			50	12.77	82.0	0.77	4.70	11.50
KAR04			63	7.72	83.3	1.21	4.30	13.00
KAR04			80	3.87	86.1	1.77	3.70	14.80
KAR04			100	1.48	90.8	2.76	3.00	16.80
KAR04			125	-7.66	89.3	4.20	1.80	18.80
KAR04			160	-15.25	90.6	6.29	0.00	21.10
KAR04			200	-20.91	91.9	9.05	0.00	22.80
KAR05	11 678	11 680						
KAR05			20	20.05	63.9	0.00	5.60	7.60
KAR05			25	17.02	67.8	0.23	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR05			32	16.00	73.3	0.35	5.20	9.20
KAR05			40	13.27	76.9	0.58	5.00	10.30
KAR05			50	12.23	82.0	0.82	4.70	11.50
KAR05			63	7.17	83.3	1.28	4.30	13.00
KAR05			80	3.28	86.1	1.87	3.70	14.80
KAR05			100	0.83	90.8	2.92	3.00	16.80
KAR05			125	-8.39	89.3	4.44	1.80	18.80
KAR05			160	-16.11	90.6	6.66	0.00	21.10
KAR05			200	-21.93	91.9	9.58	0.00	22.80
KAR06	10 747	10 749						
KAR06			20	20.77	63.9	0.00	5.60	7.60
KAR06			25	17.76	67.8	0.21	5.40	8.30
KAR06			32	16.75	73.3	0.32	5.20	9.20
KAR06			40	14.04	76.9	0.54	5.00	10.30
KAR06			50	13.02	82.0	0.75	4.70	11.50
KAR06			63	7.99	83.3	1.18	4.30	13.00
KAR06			80	4.15	86.1	1.72	3.70	14.80
KAR06			100	1.79	90.8	2.69	3.00	16.80
KAR06			125	-7.31	89.3	4.08	1.80	18.80
KAR06			160	-14.85	90.6	6.13	0.00	21.10
KAR06			200	-20.44	91.9	8.81	0.00	22.80
KAR07	10 300	10 302						
KAR07			20	21.14	63.9	0.00	5.60	7.60
KAR07			25	18.14	67.8	0.21	5.40	8.30
KAR07			32	17.13	73.3	0.31	5.20	9.20
KAR07			40	14.43	76.9	0.52	5.00	10.30
KAR07			50	13.42	82.0	0.72	4.70	11.50
KAR07			63	8.41	83.3	1.13	4.30	13.00
KAR07			80	4.59	86.1	1.65	3.70	14.80
KAR07			100	2.27	90.8	2.58	3.00	16.80
KAR07			125	-6.77	89.3	3.91	1.80	18.80
KAR07			160	-14.23	90.6	5.87	0.00	21.10
KAR07			200	-19.71	91.9	8.45	0.00	22.80
KAR08	9 951	9 953						
KAR08			20	21.44	63.9	0.00	5.60	7.60
KAR08			25	18.44	67.8	0.20	5.40	8.30
KAR08			32	17.44	73.3	0.30	5.20	9.20
KAR08			40	14.74	76.9	0.50	5.00	10.30
KAR08			50	13.74	82.0	0.70	4.70	11.50
KAR08			63	8.75	83.3	1.09	4.30	13.00
KAR08			80	4.95	86.1	1.59	3.70	14.80
KAR08			100	2.65	90.8	2.49	3.00	16.80
KAR08			125	-6.34	89.3	3.78	1.80	18.80
KAR08			160	-13.73	90.6	5.67	0.00	21.10
KAR08			200	-19.12	91.9	8.16	0.00	22.80
KAR09	12 053	12 055						
KAR09			20	19.78	63.9	0.00	5.60	7.60
KAR09			25	16.74	67.8	0.24	5.40	8.30
KAR09			32	15.72	73.3	0.36	5.20	9.20
KAR09			40	12.97	76.9	0.60	5.00	10.30
KAR09			50	11.93	82.0	0.84	4.70	11.50
KAR09			63	6.85	83.3	1.33	4.30	13.00
KAR09			80	2.95	86.1	1.93	3.70	14.80
KAR09			100	0.46	90.8	3.01	3.00	16.80
KAR09			125	-8.80	89.3	4.58	1.80	18.80
KAR09			160	-16.59	90.6	6.87	0.00	21.10
KAR09			200	-22.51	91.9	9.88	0.00	22.80
KAR10	11 595	11 597						
KAR10			20	20.11	63.9	0.00	5.60	7.60
KAR10			25	17.08	67.8	0.23	5.40	8.30
KAR10			32	16.07	73.3	0.35	5.20	9.20
KAR10			40	13.33	76.9	0.58	5.00	10.30
KAR10			50	12.30	82.0	0.81	4.70	11.50
KAR10			63	7.24	83.3	1.28	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR10			80	3.36	86.1	1.86	3.70	14.80
KAR10			100	0.91	90.8	2.90	3.00	16.80
KAR10			125	-8.29	89.3	4.41	1.80	18.80
KAR10			160	-16.00	90.6	6.61	0.00	21.10
KAR10			200	-21.80	91.9	9.51	0.00	22.80
KAR11	11 027	11 029						
KAR11			20	20.55	63.9	0.00	5.60	7.60
KAR11			25	17.53	67.8	0.22	5.40	8.30
KAR11			32	16.52	73.3	0.33	5.20	9.20
KAR11			40	13.80	76.9	0.55	5.00	10.30
KAR11			50	12.78	82.0	0.77	4.70	11.50
KAR11			63	7.74	83.3	1.21	4.30	13.00
KAR11			80	3.89	86.1	1.76	3.70	14.80
KAR11			100	1.49	90.8	2.76	3.00	16.80
KAR11			125	-7.64	89.3	4.19	1.80	18.80
KAR11			160	-15.24	90.6	6.29	0.00	21.10
KAR11			200	-20.89	91.9	9.04	0.00	22.80
KAR12	11 934	11 935						
KAR12			20	19.86	63.9	0.00	5.60	7.60
KAR12			25	16.82	67.8	0.24	5.40	8.30
KAR12			32	15.81	73.3	0.36	5.20	9.20
KAR12			40	13.07	76.9	0.60	5.00	10.30
KAR12			50	12.03	82.0	0.84	4.70	11.50
KAR12			63	6.95	83.3	1.31	4.30	13.00
KAR12			80	3.05	86.1	1.91	3.70	14.80
KAR12			100	0.58	90.8	2.98	3.00	16.80
KAR12			125	-8.67	89.3	4.54	1.80	18.80
KAR12			160	-16.44	90.6	6.80	0.00	21.10
KAR12			200	-22.32	91.9	9.79	0.00	22.80
KAR13	11 203	11 205						
KAR13			20	20.41	63.9	0.00	5.60	7.60
KAR13			25	17.39	67.8	0.22	5.40	8.30
KAR13			32	16.38	73.3	0.34	5.20	9.20
KAR13			40	13.65	76.9	0.56	5.00	10.30
KAR13			50	12.63	82.0	0.78	4.70	11.50
KAR13			63	7.58	83.3	1.23	4.30	13.00
KAR13			80	3.72	86.1	1.79	3.70	14.80
KAR13			100	1.31	90.8	2.80	3.00	16.80
KAR13			125	-7.85	89.3	4.26	1.80	18.80
KAR13			160	-15.47	90.6	6.39	0.00	21.10
KAR13			200	-21.18	91.9	9.19	0.00	22.80
KAR14	12 455	12 457						
KAR14			20	19.49	63.9	0.00	5.60	7.60
KAR14			25	16.44	67.8	0.25	5.40	8.30
KAR14			32	15.42	73.3	0.37	5.20	9.20
KAR14			40	12.67	76.9	0.62	5.00	10.30
KAR14			50	11.62	82.0	0.87	4.70	11.50
KAR14			63	6.52	83.3	1.37	4.30	13.00
KAR14			80	2.60	86.1	1.99	3.70	14.80
KAR14			100	0.08	90.8	3.11	3.00	16.80
KAR14			125	-9.24	89.3	4.73	1.80	18.80
KAR14			160	-17.11	90.6	7.10	0.00	21.10
KAR14			200	-23.12	91.9	10.21	0.00	22.80
KAR15	10 905	10 907						
KAR15			20	20.65	63.9	0.00	5.60	7.60
KAR15			25	17.63	67.8	0.22	5.40	8.30
KAR15			32	16.62	73.3	0.33	5.20	9.20
KAR15			40	13.90	76.9	0.55	5.00	10.30
KAR15			50	12.88	82.0	0.76	4.70	11.50
KAR15			63	7.85	83.3	1.20	4.30	13.00
KAR15			80	4.00	86.1	1.75	3.70	14.80
KAR15			100	1.62	90.8	2.73	3.00	16.80
KAR15			125	-7.50	89.3	4.14	1.80	18.80
KAR15			160	-15.07	90.6	6.22	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			200	-20.70	91.9	8.94	0.00	22.80
KAR16	12 543	12 545						
KAR16			20	19.43	63.9	0.00	5.60	7.60
KAR16			25	16.38	67.8	0.25	5.40	8.30
KAR16			32	15.35	73.3	0.38	5.20	9.20
KAR16			40	12.60	76.9	0.63	5.00	10.30
KAR16			50	11.55	82.0	0.88	4.70	11.50
KAR16			63	6.45	83.3	1.38	4.30	13.00
KAR16			80	2.52	86.1	2.01	3.70	14.80
KAR16			100	-0.01	90.8	3.14	3.00	16.80
KAR16			125	-9.34	89.3	4.77	1.80	18.80
KAR16			160	-17.22	90.6	7.15	0.00	21.10
KAR16			200	-23.26	91.9	10.29	0.00	22.80
KAR17	12 216	12 218						
KAR17			20	19.66	63.9	0.00	5.60	7.60
KAR17			25	16.62	67.8	0.24	5.40	8.30
KAR17			32	15.59	73.3	0.37	5.20	9.20
KAR17			40	12.85	76.9	0.61	5.00	10.30
KAR17			50	11.81	82.0	0.86	4.70	11.50
KAR17			63	6.72	83.3	1.34	4.30	13.00
KAR17			80	2.81	86.1	1.95	3.70	14.80
KAR17			100	0.31	90.8	3.05	3.00	16.80
KAR17			125	-8.98	89.3	4.64	1.80	18.80
KAR17			160	-16.80	90.6	6.96	0.00	21.10
KAR17			200	-22.76	91.9	10.02	0.00	22.80
KAR18	13 138	13 140						
KAR18			20	19.03	63.9	0.00	5.60	7.60
KAR18			25	15.97	67.8	0.26	5.40	8.30
KAR18			32	14.93	73.3	0.39	5.20	9.20
KAR18			40	12.17	76.9	0.66	5.00	10.30
KAR18			50	11.11	82.0	0.92	4.70	11.50
KAR18			63	5.98	83.3	1.45	4.30	13.00
KAR18			80	2.03	86.1	2.10	3.70	14.80
KAR18			100	-0.56	90.8	3.28	3.00	16.80
KAR18			125	-9.96	89.3	4.99	1.80	18.80
KAR18			160	-17.96	90.6	7.49	0.00	21.10
KAR18			200	-24.15	91.9	10.77	0.00	22.80
KAR19	11 439	11 440						
KAR19			20	20.23	63.9	0.00	5.60	7.60
KAR19			25	17.20	67.8	0.23	5.40	8.30
KAR19			32	16.19	73.3	0.34	5.20	9.20
KAR19			40	13.46	76.9	0.57	5.00	10.30
KAR19			50	12.43	82.0	0.80	4.70	11.50
KAR19			63	7.37	83.3	1.26	4.30	13.00
KAR19			80	3.50	86.1	1.83	3.70	14.80
KAR19			100	1.07	90.8	2.86	3.00	16.80
KAR19			125	-8.12	89.3	4.35	1.80	18.80
KAR19			160	-15.79	90.6	6.52	0.00	21.10
KAR19			200	-21.55	91.9	9.38	0.00	22.80
KAR20	12 900	12 902						
KAR20			20	19.19	63.9	0.00	5.60	7.60
KAR20			25	16.13	67.8	0.26	5.40	8.30
KAR20			32	15.10	73.3	0.39	5.20	9.20
KAR20			40	12.34	76.9	0.65	5.00	10.30
KAR20			50	11.28	82.0	0.90	4.70	11.50
KAR20			63	6.17	83.3	1.42	4.30	13.00
KAR20			80	2.22	86.1	2.06	3.70	14.80
KAR20			100	-0.34	90.8	3.23	3.00	16.80
KAR20			125	-9.72	89.3	4.90	1.80	18.80
KAR20			160	-17.67	90.6	7.35	0.00	21.10
KAR20			200	-23.79	91.9	10.58	0.00	22.80
KAR21	12 427	12 429						
KAR21			20	19.51	63.9	0.00	5.60	7.60
KAR21			25	16.46	67.8	0.25	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR21			32	15.44	73.3	0.37	5.20	9.20
KAR21			40	12.69	76.9	0.62	5.00	10.30
KAR21			50	11.64	82.0	0.87	4.70	11.50
KAR21			63	6.54	83.3	1.37	4.30	13.00
KAR21			80	2.62	86.1	1.99	3.70	14.80
KAR21			100	0.10	90.8	3.11	3.00	16.80
KAR21			125	-9.21	89.3	4.72	1.80	18.80
KAR21			160	-17.07	90.6	7.08	0.00	21.10
KAR21			200	-23.08	91.9	10.19	0.00	22.80
KAR22	12 249	12 250						
KAR22			20	19.64	63.9	0.00	5.60	7.60
KAR22			25	16.59	67.8	0.25	5.40	8.30
KAR22			32	15.57	73.3	0.37	5.20	9.20
KAR22			40	12.82	76.9	0.61	5.00	10.30
KAR22			50	11.78	82.0	0.86	4.70	11.50
KAR22			63	6.69	83.3	1.35	4.30	13.00
KAR22			80	2.78	86.1	1.96	3.70	14.80
KAR22			100	0.27	90.8	3.06	3.00	16.80
KAR22			125	-9.02	89.3	4.66	1.80	18.80
KAR22			160	-16.85	90.6	6.98	0.00	21.10
KAR22			200	-22.81	91.9	10.05	0.00	22.80
KAR23	12 853	12 855						
KAR23			20	19.22	63.9	0.00	5.60	7.60
KAR23			25	16.16	67.8	0.26	5.40	8.30
KAR23			32	15.13	73.3	0.39	5.20	9.20
KAR23			40	12.38	76.9	0.64	5.00	10.30
KAR23			50	11.32	82.0	0.90	4.70	11.50
KAR23			63	6.20	83.3	1.41	4.30	13.00
KAR23			80	2.26	86.1	2.06	3.70	14.80
KAR23			100	-0.29	90.8	3.21	3.00	16.80
KAR23			125	-9.67	89.3	4.88	1.80	18.80
KAR23			160	-17.61	90.6	7.33	0.00	21.10
KAR23			200	-23.72	91.9	10.54	0.00	22.80
KAR24	10 731	10 733						
KAR24			20	20.79	63.9	0.00	5.60	7.60
KAR24			25	17.77	67.8	0.21	5.40	8.30
KAR24			32	16.76	73.3	0.32	5.20	9.20
KAR24			40	14.05	76.9	0.54	5.00	10.30
KAR24			50	13.03	82.0	0.75	4.70	11.50
KAR24			63	8.01	83.3	1.18	4.30	13.00
KAR24			80	4.17	86.1	1.72	3.70	14.80
KAR24			100	1.80	90.8	2.68	3.00	16.80
KAR24			125	-7.29	89.3	4.08	1.80	18.80
KAR24			160	-14.83	90.6	6.12	0.00	21.10
KAR24			200	-20.41	91.9	8.80	0.00	22.80
KAR25	9 614	9 616						
KAR25			20	21.74	63.9	0.00	5.60	7.60
KAR25			25	18.75	67.8	0.19	5.40	8.30
KAR25			32	17.75	73.3	0.29	5.20	9.20
KAR25			40	15.06	76.9	0.48	5.00	10.30
KAR25			50	14.07	82.0	0.67	4.70	11.50
KAR25			63	9.08	83.3	1.06	4.30	13.00
KAR25			80	5.30	86.1	1.54	3.70	14.80
KAR25			100	3.04	90.8	2.40	3.00	16.80
KAR25			125	-5.91	89.3	3.65	1.80	18.80
KAR25			160	-13.24	90.6	5.48	0.00	21.10
KAR25			200	-18.54	91.9	7.88	0.00	22.80
MAA01	5 270	5 272						
MAA01			20	26.96	63.9	0.00	5.60	7.60
MAA01			25	24.06	67.8	0.11	5.40	8.30
MAA01			32	23.10	73.3	0.16	5.20	9.20
MAA01			40	20.50	76.9	0.26	5.00	10.30
MAA01			50	19.59	82.0	0.37	4.70	11.50
MAA01			63	14.78	83.3	0.58	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA01			80	11.22	86.1	0.84	3.70	14.80
MAA01			100	9.34	90.8	1.32	3.00	16.80
MAA01			125	0.96	89.3	2.00	1.80	18.80
MAA01			160	-5.54	90.6	3.01	0.00	21.10
MAA01			200	-9.76	91.9	4.32	0.00	22.80
MAA03	4 584	4 587						
MAA03			20	28.17	63.9	0.00	5.60	7.60
MAA03			25	25.28	67.8	0.09	5.40	8.30
MAA03			32	24.33	73.3	0.14	5.20	9.20
MAA03			40	21.74	76.9	0.23	5.00	10.30
MAA03			50	20.85	82.0	0.32	4.70	11.50
MAA03			63	16.07	83.3	0.50	4.30	13.00
MAA03			80	12.54	86.1	0.73	3.70	14.80
MAA03			100	10.72	90.8	1.15	3.00	16.80
MAA03			125	2.43	89.3	1.74	1.80	18.80
MAA03			160	-3.94	90.6	2.61	0.00	21.10
MAA03			200	-7.99	91.9	3.76	0.00	22.80
MAA04	4 837	4 840						
MAA04			20	27.70	63.9	0.00	5.60	7.60
MAA04			25	24.81	67.8	0.10	5.40	8.30
MAA04			32	23.86	73.3	0.15	5.20	9.20
MAA04			40	21.26	76.9	0.24	5.00	10.30
MAA04			50	20.37	82.0	0.34	4.70	11.50
MAA04			63	15.57	83.3	0.53	4.30	13.00
MAA04			80	12.03	86.1	0.77	3.70	14.80
MAA04			100	10.19	90.8	1.21	3.00	16.80
MAA04			125	1.86	89.3	1.84	1.80	18.80
MAA04			160	-4.55	90.6	2.76	0.00	21.10
MAA04			200	-8.66	91.9	3.97	0.00	22.80
MAA05	4 028	4 031						
MAA05			20	29.29	63.9	0.00	5.60	7.60
MAA05			25	26.41	67.8	0.08	5.40	8.30
MAA05			32	25.47	73.3	0.12	5.20	9.20
MAA05			40	22.89	76.9	0.20	5.00	10.30
MAA05			50	22.01	82.0	0.28	4.70	11.50
MAA05			63	17.25	83.3	0.44	4.30	13.00
MAA05			80	13.75	86.1	0.64	3.70	14.80
MAA05			100	11.98	90.8	1.01	3.00	16.80
MAA05			125	3.76	89.3	1.53	1.80	18.80
MAA05			160	-2.51	90.6	2.30	0.00	21.10
MAA05			200	-6.41	91.9	3.31	0.00	22.80
MAA06	3 545	3 549						
MAA06			20	30.40	63.9	0.00	5.60	7.60
MAA06			25	27.53	67.8	0.07	5.40	8.30
MAA06			32	26.59	73.3	0.11	5.20	9.20
MAA06			40	24.02	76.9	0.18	5.00	10.30
MAA06			50	23.15	82.0	0.25	4.70	11.50
MAA06			63	18.41	83.3	0.39	4.30	13.00
MAA06			80	14.93	86.1	0.57	3.70	14.80
MAA06			100	13.21	90.8	0.89	3.00	16.80
MAA06			125	5.05	89.3	1.35	1.80	18.80
MAA06			160	-1.12	90.6	2.02	0.00	21.10
MAA06			200	-4.91	91.9	2.91	0.00	22.80
MAA07	3 777	3 780						
MAA07			20	29.85	63.9	0.00	5.60	7.60
MAA07			25	26.98	67.8	0.08	5.40	8.30
MAA07			32	26.04	73.3	0.11	5.20	9.20
MAA07			40	23.46	76.9	0.19	5.00	10.30
MAA07			50	22.59	82.0	0.26	4.70	11.50
MAA07			63	17.84	83.3	0.42	4.30	13.00
MAA07			80	14.35	86.1	0.60	3.70	14.80
MAA07			100	12.61	90.8	0.94	3.00	16.80
MAA07			125	4.41	89.3	1.44	1.80	18.80
MAA07			160	-1.80	90.6	2.15	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			200	-5.65	91.9	3.10	0.00	22.80
MAA08	4 086	4 089						
MAA08			20	29.17	63.9	0.00	5.60	7.60
MAA08			25	26.29	67.8	0.08	5.40	8.30
MAA08			32	25.35	73.3	0.12	5.20	9.20
MAA08			40	22.76	76.9	0.20	5.00	10.30
MAA08			50	21.88	82.0	0.29	4.70	11.50
MAA08			63	17.12	83.3	0.45	4.30	13.00
MAA08			80	13.61	86.1	0.65	3.70	14.80
MAA08			100	11.85	90.8	1.02	3.00	16.80
MAA08			125	3.62	89.3	1.55	1.80	18.80
MAA08			160	-2.66	90.6	2.33	0.00	21.10
MAA08			200	-6.58	91.9	3.35	0.00	22.80
RAH01	5 308	5 311						
RAH01			20	25.05	62.0	0.00	5.60	7.60
RAH01			25	23.44	67.2	0.11	5.40	8.30
RAH01			32	21.79	72.0	0.16	5.20	9.20
RAH01			40	20.36	76.8	0.27	5.00	10.30
RAH01			50	18.75	81.2	0.37	4.70	11.50
RAH01			63	16.44	85.0	0.58	4.30	13.00
RAH01			80	13.37	88.3	0.85	3.70	14.80
RAH01			100	9.57	91.1	1.33	3.00	16.80
RAH01			125	4.88	93.3	2.02	1.80	18.80
RAH01			160	-1.25	95.0	3.03	0.00	21.10
RAH01			200	-5.66	96.1	4.35	0.00	22.80
RAH02	4 470	4 473						
RAH02			20	26.54	62.0	0.00	5.60	7.60
RAH02			25	24.95	67.2	0.09	5.40	8.30
RAH02			32	23.30	72.0	0.13	5.20	9.20
RAH02			40	21.89	76.8	0.22	5.00	10.30
RAH02			50	20.30	81.2	0.31	4.70	11.50
RAH02			63	18.02	85.0	0.49	4.30	13.00
RAH02			80	15.00	88.3	0.72	3.70	14.80
RAH02			100	11.27	91.1	1.12	3.00	16.80
RAH02			125	6.69	93.3	1.70	1.80	18.80
RAH02			160	0.71	95.0	2.55	0.00	21.10
RAH02			200	-3.48	96.1	3.67	0.00	22.80
RAH03	5 129	5 132						
RAH03			20	25.34	62.0	0.00	5.60	7.60
RAH03			25	23.74	67.2	0.10	5.40	8.30
RAH03			32	22.09	72.0	0.15	5.20	9.20
RAH03			40	20.66	76.8	0.26	5.00	10.30
RAH03			50	19.06	81.2	0.36	4.70	11.50
RAH03			63	16.75	85.0	0.56	4.30	13.00
RAH03			80	13.70	88.3	0.82	3.70	14.80
RAH03			100	9.91	91.1	1.28	3.00	16.80
RAH03			125	5.24	93.3	1.95	1.80	18.80
RAH03			160	-0.86	95.0	2.93	0.00	21.10
RAH03			200	-5.21	96.1	4.21	0.00	22.80
RAH04	3 835	3 838						
RAH04			20	27.87	62.0	0.00	5.60	7.60
RAH04			25	26.29	67.2	0.08	5.40	8.30
RAH04			32	24.65	72.0	0.12	5.20	9.20
RAH04			40	23.25	76.8	0.19	5.00	10.30
RAH04			50	21.67	81.2	0.27	4.70	11.50
RAH04			63	19.42	85.0	0.42	4.30	13.00
RAH04			80	16.43	88.3	0.61	3.70	14.80
RAH04			100	12.76	91.1	0.96	3.00	16.80
RAH04			125	8.26	93.3	1.46	1.80	18.80
RAH04			160	2.40	95.0	2.19	0.00	21.10
RAH04			200	-1.63	96.1	3.15	0.00	22.80
RAH05	4 345	4 348						
RAH05			20	26.78	62.0	0.00	5.60	7.60
RAH05			25	25.20	67.2	0.09	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH05			32	23.55	72.0	0.13	5.20	9.20
RAH05			40	22.14	76.8	0.22	5.00	10.30
RAH05			50	20.55	81.2	0.30	4.70	11.50
RAH05			63	18.28	85.0	0.48	4.30	13.00
RAH05			80	15.26	88.3	0.70	3.70	14.80
RAH05			100	11.55	91.1	1.09	3.00	16.80
RAH05			125	6.98	93.3	1.65	1.80	18.80
RAH05			160	1.03	95.0	2.48	0.00	21.10
RAH05			200	-3.13	96.1	3.57	0.00	22.80
RAH06	3 688	3 692						
RAH06			20	28.20	62.0	0.00	5.60	7.60
RAH06			25	26.63	67.2	0.07	5.40	8.30
RAH06			32	24.99	72.0	0.11	5.20	9.20
RAH06			40	23.59	76.8	0.18	5.00	10.30
RAH06			50	22.02	81.2	0.26	4.70	11.50
RAH06			63	19.77	85.0	0.41	4.30	13.00
RAH06			80	16.79	88.3	0.59	3.70	14.80
RAH06			100	13.13	91.1	0.92	3.00	16.80
RAH06			125	8.65	93.3	1.40	1.80	18.80
RAH06			160	2.83	95.0	2.10	0.00	21.10
RAH06			200	-1.17	96.1	3.03	0.00	22.80
RAH07	2 012	2 019						
RAH07			20	33.44	62.0	0.00	5.60	7.60
RAH07			25	31.90	67.2	0.04	5.40	8.30
RAH07			32	30.28	72.0	0.06	5.20	9.20
RAH07			40	28.92	76.8	0.10	5.00	10.30
RAH07			50	27.38	81.2	0.14	4.70	11.50
RAH07			63	25.20	85.0	0.22	4.30	13.00
RAH07			80	22.30	88.3	0.32	3.70	14.80
RAH07			100	18.79	91.1	0.50	3.00	16.80
RAH07			125	14.53	93.3	0.77	1.80	18.80
RAH07			160	9.02	95.0	1.15	0.00	21.10
RAH07			200	5.44	96.1	1.66	0.00	22.80
RAH08	2 405	2 411						
RAH08			20	31.90	62.0	0.00	5.60	7.60
RAH08			25	30.36	67.2	0.05	5.40	8.30
RAH08			32	28.73	72.0	0.07	5.20	9.20
RAH08			40	27.36	76.8	0.12	5.00	10.30
RAH08			50	25.81	81.2	0.17	4.70	11.50
RAH08			63	23.62	85.0	0.27	4.30	13.00
RAH08			80	20.69	88.3	0.39	3.70	14.80
RAH08			100	17.15	91.1	0.60	3.00	16.80
RAH08			125	12.84	93.3	0.92	1.80	18.80
RAH08			160	7.26	95.0	1.37	0.00	21.10
RAH08			200	3.58	96.1	1.98	0.00	22.80
RAH09	2 872	2 877						
RAH09			20	30.37	62.0	0.00	5.60	7.60
RAH09			25	28.81	67.2	0.06	5.40	8.30
RAH09			32	27.18	72.0	0.09	5.20	9.20
RAH09			40	25.80	76.8	0.14	5.00	10.30
RAH09			50	24.25	81.2	0.20	4.70	11.50
RAH09			63	22.03	85.0	0.32	4.30	13.00
RAH09			80	19.09	88.3	0.46	3.70	14.80
RAH09			100	15.50	91.1	0.72	3.00	16.80
RAH09			125	11.13	93.3	1.09	1.80	18.80
RAH09			160	5.46	95.0	1.64	0.00	21.10
RAH09			200	1.66	96.1	2.36	0.00	22.80
RAH10	3 170	3 174						
RAH10			20	29.52	62.0	0.00	5.60	7.60
RAH10			25	27.95	67.2	0.06	5.40	8.30
RAH10			32	26.32	72.0	0.10	5.20	9.20
RAH10			40	24.93	76.8	0.16	5.00	10.30
RAH10			50	23.37	81.2	0.22	4.70	11.50
RAH10			63	21.14	85.0	0.35	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH10			80	18.18	88.3	0.51	3.70	14.80
RAH10			100	14.57	91.1	0.79	3.00	16.80
RAH10			125	10.16	93.3	1.21	1.80	18.80
RAH10			160	4.43	95.0	1.81	0.00	21.10
RAH10			200	0.56	96.1	2.60	0.00	22.80
RAH11	6 172	6 174						
RAH11			20	23.74	62.0	0.00	5.60	7.60
RAH11			25	22.11	67.2	0.12	5.40	8.30
RAH11			32	20.45	72.0	0.19	5.20	9.20
RAH11			40	19.00	76.8	0.31	5.00	10.30
RAH11			50	17.38	81.2	0.43	4.70	11.50
RAH11			63	15.03	85.0	0.68	4.30	13.00
RAH11			80	11.92	88.3	0.99	3.70	14.80
RAH11			100	8.04	91.1	1.54	3.00	16.80
RAH11			125	3.24	93.3	2.35	1.80	18.80
RAH11			160	-3.06	95.0	3.52	0.00	21.10
RAH11			200	-7.67	96.1	5.06	0.00	22.80
RAH12	6 430	6 432						
RAH12			20	23.38	62.0	0.00	5.60	7.60
RAH12			25	21.75	67.2	0.13	5.40	8.30
RAH12			32	20.09	72.0	0.19	5.20	9.20
RAH12			40	18.64	76.8	0.32	5.00	10.30
RAH12			50	17.01	81.2	0.45	4.70	11.50
RAH12			63	14.65	85.0	0.71	4.30	13.00
RAH12			80	11.53	88.3	1.03	3.70	14.80
RAH12			100	7.63	91.1	1.61	3.00	16.80
RAH12			125	2.79	93.3	2.44	1.80	18.80
RAH12			160	-3.56	95.0	3.67	0.00	21.10
RAH12			200	-8.24	96.1	5.27	0.00	22.80
RAH13	7 228	7 230						
RAH13			20	22.37	62.0	0.00	5.60	7.60
RAH13			25	20.72	67.2	0.14	5.40	8.30
RAH13			32	19.05	72.0	0.22	5.20	9.20
RAH13			40	17.58	76.8	0.36	5.00	10.30
RAH13			50	15.94	81.2	0.51	4.70	11.50
RAH13			63	13.55	85.0	0.80	4.30	13.00
RAH13			80	10.38	88.3	1.16	3.70	14.80
RAH13			100	6.41	91.1	1.81	3.00	16.80
RAH13			125	1.47	93.3	2.75	1.80	18.80
RAH13			160	-5.03	95.0	4.12	0.00	21.10
RAH13			200	-9.91	96.1	5.93	0.00	22.80
RAH14	7 043	7 045						
RAH14			20	22.59	62.0	0.00	5.60	7.60
RAH14			25	20.95	67.2	0.14	5.40	8.30
RAH14			32	19.28	72.0	0.21	5.20	9.20
RAH14			40	17.81	76.8	0.35	5.00	10.30
RAH14			50	16.17	81.2	0.49	4.70	11.50
RAH14			63	13.79	85.0	0.77	4.30	13.00
RAH14			80	10.64	88.3	1.13	3.70	14.80
RAH14			100	6.68	91.1	1.76	3.00	16.80
RAH14			125	1.77	93.3	2.68	1.80	18.80
RAH14			160	-4.70	95.0	4.02	0.00	21.10
RAH14			200	-9.53	96.1	5.78	0.00	22.80
RAH15	8 247	8 249						
RAH15			20	21.22	62.0	0.00	5.60	7.60
RAH15			25	19.56	67.2	0.16	5.40	8.30
RAH15			32	17.87	72.0	0.25	5.20	9.20
RAH15			40	16.38	76.8	0.41	5.00	10.30
RAH15			50	14.72	81.2	0.58	4.70	11.50
RAH15			63	12.29	85.0	0.91	4.30	13.00
RAH15			80	9.08	88.3	1.32	3.70	14.80
RAH15			100	5.01	91.1	2.06	3.00	16.80
RAH15			125	-0.06	93.3	3.13	1.80	18.80
RAH15			160	-6.75	95.0	4.70	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			200	-11.89	96.1	6.76	0.00	22.80
RAH16	8 050	8 052						
RAH16			20	21.43	62.0	0.00	5.60	7.60
RAH16			25	19.77	67.2	0.16	5.40	8.30
RAH16			32	18.09	72.0	0.24	5.20	9.20
RAH16			40	16.60	76.8	0.40	5.00	10.30
RAH16			50	14.94	81.2	0.56	4.70	11.50
RAH16			63	12.52	85.0	0.89	4.30	13.00
RAH16			80	9.32	88.3	1.29	3.70	14.80
RAH16			100	5.27	91.1	2.01	3.00	16.80
RAH16			125	0.22	93.3	3.06	1.80	18.80
RAH16			160	-6.43	95.0	4.59	0.00	21.10
RAH16			200	-11.52	96.1	6.60	0.00	22.80
RAH17	8 430	8 432						
RAH17			20	21.03	62.0	0.00	5.60	7.60
RAH17			25	19.36	67.2	0.17	5.40	8.30
RAH17			32	17.68	72.0	0.25	5.20	9.20
RAH17			40	16.18	76.8	0.42	5.00	10.30
RAH17			50	14.52	81.2	0.59	4.70	11.50
RAH17			63	12.08	85.0	0.93	4.30	13.00
RAH17			80	8.86	88.3	1.35	3.70	14.80
RAH17			100	4.77	91.1	2.11	3.00	16.80
RAH17			125	-0.32	93.3	3.20	1.80	18.80
RAH17			160	-7.05	95.0	4.81	0.00	21.10
RAH17			200	-12.23	96.1	6.91	0.00	22.80
RAH18	8 613	8 615						
RAH18			20	20.84	62.0	0.00	5.60	7.60
RAH18			25	19.17	67.2	0.17	5.40	8.30
RAH18			32	17.49	72.0	0.26	5.20	9.20
RAH18			40	15.99	76.8	0.43	5.00	10.30
RAH18			50	14.32	81.2	0.60	4.70	11.50
RAH18			63	11.87	85.0	0.95	4.30	13.00
RAH18			80	8.64	88.3	1.38	3.70	14.80
RAH18			100	4.54	91.1	2.15	3.00	16.80
RAH18			125	-0.58	93.3	3.27	1.80	18.80
RAH18			160	-7.34	95.0	4.91	0.00	21.10
RAH18			200	-12.57	96.1	7.06	0.00	22.80
RAH19	9 287	9 289						
RAH19			20	20.19	62.0	0.00	5.60	7.60
RAH19			25	18.50	67.2	0.19	5.40	8.30
RAH19			32	16.81	72.0	0.28	5.20	9.20
RAH19			40	15.30	76.8	0.46	5.00	10.30
RAH19			50	13.62	81.2	0.65	4.70	11.50
RAH19			63	11.14	85.0	1.02	4.30	13.00
RAH19			80	7.88	88.3	1.49	3.70	14.80
RAH19			100	3.72	91.1	2.32	3.00	16.80
RAH19			125	-1.49	93.3	3.53	1.80	18.80
RAH19			160	-8.38	95.0	5.29	0.00	21.10
RAH19			200	-13.78	96.1	7.62	0.00	22.80
SIL01	14 376	14 377						
SIL01			20	17.67	63.3	0.00	5.60	7.60
SIL01			25	15.78	68.4	0.29	5.40	8.30
SIL01			32	9.74	68.9	0.43	5.20	9.20
SIL01			40	6.55	72.1	0.72	5.00	10.30
SIL01			50	5.06	76.8	1.01	4.70	11.50
SIL01			63	1.57	79.8	1.58	4.30	13.00
SIL01			80	-2.44	82.6	2.30	3.70	14.80
SIL01			100	-6.42	86.0	3.59	3.00	16.80
SIL01			125	-11.23	89.3	5.46	1.80	18.80
SIL01			160	-21.87	88.2	8.19	0.00	21.10
SIL01			200	-27.85	90.0	11.79	0.00	22.80
SIL02	14 167	14 168						
SIL02			20	17.80	63.3	0.00	5.60	7.60
SIL02			25	15.91	68.4	0.28	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL02			32	9.88	68.9	0.43	5.20	9.20
SIL02			40	6.69	72.1	0.71	5.00	10.30
SIL02			50	5.21	76.8	0.99	4.70	11.50
SIL02			63	1.72	79.8	1.56	4.30	13.00
SIL02			80	-2.28	82.6	2.27	3.70	14.80
SIL02			100	-6.24	86.0	3.54	3.00	16.80
SIL02			125	-11.02	89.3	5.38	1.80	18.80
SIL02			160	-21.62	88.2	8.08	0.00	21.10
SIL02			200	-27.56	90.0	11.62	0.00	22.80
SIL03	13 759	13 760						
SIL03			20	18.05	63.3	0.00	5.60	7.60
SIL03			25	16.17	68.4	0.28	5.40	8.30
SIL03			32	10.14	68.9	0.41	5.20	9.20
SIL03			40	6.96	72.1	0.69	5.00	10.30
SIL03			50	5.49	76.8	0.96	4.70	11.50
SIL03			63	2.02	79.8	1.51	4.30	13.00
SIL03			80	-1.96	82.6	2.20	3.70	14.80
SIL03			100	-5.88	86.0	3.44	3.00	16.80
SIL03			125	-10.61	89.3	5.23	1.80	18.80
SIL03			160	-21.13	88.2	7.84	0.00	21.10
SIL03			200	-26.97	90.0	11.28	0.00	22.80
SIL04	13 523	13 524						
SIL04			20	18.20	63.3	0.00	5.60	7.60
SIL04			25	16.33	68.4	0.27	5.40	8.30
SIL04			32	10.30	68.9	0.41	5.20	9.20
SIL04			40	7.13	72.1	0.68	5.00	10.30
SIL04			50	5.65	76.8	0.95	4.70	11.50
SIL04			63	2.20	79.8	1.49	4.30	13.00
SIL04			80	-1.77	82.6	2.16	3.70	14.80
SIL04			100	-5.67	86.0	3.38	3.00	16.80
SIL04			125	-10.37	89.3	5.14	1.80	18.80
SIL04			160	-20.85	88.2	7.71	0.00	21.10
SIL04			200	-26.62	90.0	11.09	0.00	22.80
SIL05	13 899	13 901						
SIL05			20	17.96	63.3	0.00	5.60	7.60
SIL05			25	16.08	68.4	0.28	5.40	8.30
SIL05			32	10.05	68.9	0.42	5.20	9.20
SIL05			40	6.87	72.1	0.70	5.00	10.30
SIL05			50	5.39	76.8	0.97	4.70	11.50
SIL05			63	1.92	79.8	1.53	4.30	13.00
SIL05			80	-2.07	82.6	2.22	3.70	14.80
SIL05			100	-6.01	86.0	3.48	3.00	16.80
SIL05			125	-10.75	89.3	5.28	1.80	18.80
SIL05			160	-21.30	88.2	7.92	0.00	21.10
SIL05			200	-27.17	90.0	11.40	0.00	22.80
SIL06	13 767	13 768						
SIL06			20	18.05	63.3	0.00	5.60	7.60
SIL06			25	16.16	68.4	0.28	5.40	8.30
SIL06			32	10.14	68.9	0.41	5.20	9.20
SIL06			40	6.96	72.1	0.69	5.00	10.30
SIL06			50	5.48	76.8	0.96	4.70	11.50
SIL06			63	2.01	79.8	1.51	4.30	13.00
SIL06			80	-1.97	82.6	2.20	3.70	14.80
SIL06			100	-5.89	86.0	3.44	3.00	16.80
SIL06			125	-10.62	89.3	5.23	1.80	18.80
SIL06			160	-21.14	88.2	7.85	0.00	21.10
SIL06			200	-26.98	90.0	11.29	0.00	22.80
SIL07	13 184	13 185						
SIL07			20	18.42	63.3	0.00	5.60	7.60
SIL07			25	16.55	68.4	0.26	5.40	8.30
SIL07			32	10.53	68.9	0.40	5.20	9.20
SIL07			40	7.36	72.1	0.66	5.00	10.30
SIL07			50	5.90	76.8	0.92	4.70	11.50
SIL07			63	2.45	79.8	1.45	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL07			80	-1.50	82.6	2.11	3.70	14.80
SIL07			100	-5.37	86.0	3.30	3.00	16.80
SIL07			125	-10.02	89.3	5.01	1.80	18.80
SIL07			160	-20.44	88.2	7.52	0.00	21.10
SIL07			200	-26.13	90.0	10.81	0.00	22.80
SIL08	13 267	13 268						
SIL08			20	18.37	63.3	0.00	5.60	7.60
SIL08			25	16.50	68.4	0.27	5.40	8.30
SIL08			32	10.48	68.9	0.40	5.20	9.20
SIL08			40	7.30	72.1	0.66	5.00	10.30
SIL08			50	5.84	76.8	0.93	4.70	11.50
SIL08			63	2.39	79.8	1.46	4.30	13.00
SIL08			80	-1.57	82.6	2.12	3.70	14.80
SIL08			100	-5.44	86.0	3.32	3.00	16.80
SIL08			125	-10.11	89.3	5.04	1.80	18.80
SIL08			160	-20.54	88.2	7.56	0.00	21.10
SIL08			200	-26.25	90.0	10.88	0.00	22.80
Sum								
Sum			20	42.73				
Sum			25	40.60				
Sum			32	39.15				
Sum			40	37.27				
Sum			50	35.93				
Sum			63	32.87				
Sum			80	29.74				
Sum			100	26.53				
Sum			125	21.22				
Sum			160	15.33				
Sum			200	11.40				

Noise sensitive area: K Noise sensitive point: Finnish normal frequency - User defined (13)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	9 242	9 244						
KAR01			20	22.08	63.9	0.00	5.60	7.60
KAR01			25	19.10	67.8	0.18	5.40	8.30
KAR01			32	18.11	73.3	0.28	5.20	9.20
KAR01			40	15.42	76.9	0.46	5.00	10.30
KAR01			50	14.44	82.0	0.65	4.70	11.50
KAR01			63	9.47	83.3	1.02	4.30	13.00
KAR01			80	5.70	86.1	1.48	3.70	14.80
KAR01			100	3.47	90.8	2.31	3.00	16.80
KAR01			125	-5.43	89.3	3.51	1.80	18.80
KAR01			160	-12.69	90.6	5.27	0.00	21.10
KAR01			200	-17.90	91.9	7.58	0.00	22.80
KAR02	8 628	8 630						
KAR02			20	22.68	63.9	0.00	5.60	7.60
KAR02			25	19.71	67.8	0.17	5.40	8.30
KAR02			32	18.72	73.3	0.26	5.20	9.20
KAR02			40	16.05	76.9	0.43	5.00	10.30
KAR02			50	15.08	82.0	0.60	4.70	11.50
KAR02			63	10.13	83.3	0.95	4.30	13.00
KAR02			80	6.40	86.1	1.38	3.70	14.80
KAR02			100	4.22	90.8	2.16	3.00	16.80
KAR02			125	-4.60	89.3	3.28	1.80	18.80
KAR02			160	-11.74	90.6	4.92	0.00	21.10
KAR02			200	-16.80	91.9	7.08	0.00	22.80
KAR03	9 214	9 216						
KAR03			20	22.11	63.9	0.00	5.60	7.60
KAR03			25	19.12	67.8	0.18	5.40	8.30
KAR03			32	18.13	73.3	0.28	5.20	9.20
KAR03			40	15.45	76.9	0.46	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR03			50	14.46	82.0	0.65	4.70	11.50
KAR03			63	9.50	83.3	1.01	4.30	13.00
KAR03			80	5.73	86.1	1.47	3.70	14.80
KAR03			100	3.51	90.8	2.30	3.00	16.80
KAR03			125	-5.39	89.3	3.50	1.80	18.80
KAR03			160	-12.64	90.6	5.25	0.00	21.10
KAR03			200	-17.85	91.9	7.56	0.00	22.80
KAR04	9 905	9 908						
KAR04			20	21.48	63.9	0.00	5.60	7.60
KAR04			25	18.48	67.8	0.20	5.40	8.30
KAR04			32	17.48	73.3	0.30	5.20	9.20
KAR04			40	14.79	76.9	0.50	5.00	10.30
KAR04			50	13.79	82.0	0.69	4.70	11.50
KAR04			63	8.79	83.3	1.09	4.30	13.00
KAR04			80	5.00	86.1	1.59	3.70	14.80
KAR04			100	2.70	90.8	2.48	3.00	16.80
KAR04			125	-6.28	89.3	3.76	1.80	18.80
KAR04			160	-13.67	90.6	5.65	0.00	21.10
KAR04			200	-19.04	91.9	8.12	0.00	22.80
KAR05	10 578	10 580						
KAR05			20	20.91	63.9	0.00	5.60	7.60
KAR05			25	17.90	67.8	0.21	5.40	8.30
KAR05			32	16.89	73.3	0.32	5.20	9.20
KAR05			40	14.18	76.9	0.53	5.00	10.30
KAR05			50	13.17	82.0	0.74	4.70	11.50
KAR05			63	8.15	83.3	1.16	4.30	13.00
KAR05			80	4.32	86.1	1.69	3.70	14.80
KAR05			100	1.97	90.8	2.64	3.00	16.80
KAR05			125	-7.11	89.3	4.02	1.80	18.80
KAR05			160	-14.62	90.6	6.03	0.00	21.10
KAR05			200	-20.16	91.9	8.68	0.00	22.80
KAR06	9 506	9 508						
KAR06			20	21.84	63.9	0.00	5.60	7.60
KAR06			25	18.85	67.8	0.19	5.40	8.30
KAR06			32	17.85	73.3	0.29	5.20	9.20
KAR06			40	15.16	76.9	0.48	5.00	10.30
KAR06			50	14.17	82.0	0.67	4.70	11.50
KAR06			63	9.19	83.3	1.05	4.30	13.00
KAR06			80	5.42	86.1	1.52	3.70	14.80
KAR06			100	3.16	90.8	2.38	3.00	16.80
KAR06			125	-5.78	89.3	3.61	1.80	18.80
KAR06			160	-13.08	90.6	5.42	0.00	21.10
KAR06			200	-18.36	91.9	7.80	0.00	22.80
KAR07	8 983	8 985						
KAR07			20	22.33	63.9	0.00	5.60	7.60
KAR07			25	19.35	67.8	0.18	5.40	8.30
KAR07			32	18.36	73.3	0.27	5.20	9.20
KAR07			40	15.68	76.9	0.45	5.00	10.30
KAR07			50	14.70	82.0	0.63	4.70	11.50
KAR07			63	9.74	83.3	0.99	4.30	13.00
KAR07			80	5.99	86.1	1.44	3.70	14.80
KAR07			100	3.78	90.8	2.25	3.00	16.80
KAR07			125	-5.08	89.3	3.41	1.80	18.80
KAR07			160	-12.29	90.6	5.12	0.00	21.10
KAR07			200	-17.44	91.9	7.37	0.00	22.80
KAR08	8 554	8 557						
KAR08			20	22.75	63.9	0.00	5.60	7.60
KAR08			25	19.78	67.8	0.17	5.40	8.30
KAR08			32	18.80	73.3	0.26	5.20	9.20
KAR08			40	16.13	76.9	0.43	5.00	10.30
KAR08			50	15.16	82.0	0.60	4.70	11.50
KAR08			63	10.21	83.3	0.94	4.30	13.00
KAR08			80	6.48	86.1	1.37	3.70	14.80
KAR08			100	4.31	90.8	2.14	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR08			125	-4.50	89.3	3.25	1.80	18.80
KAR08			160	-11.62	90.6	4.88	0.00	21.10
KAR08			200	-16.66	91.9	7.02	0.00	22.80
KAR09	10 891	10 893						
KAR09			20	20.66	63.9	0.00	5.60	7.60
KAR09			25	17.64	67.8	0.22	5.40	8.30
KAR09			32	16.63	73.3	0.33	5.20	9.20
KAR09			40	13.91	76.9	0.54	5.00	10.30
KAR09			50	12.89	82.0	0.76	4.70	11.50
KAR09			63	7.86	83.3	1.20	4.30	13.00
KAR09			80	4.01	86.1	1.74	3.70	14.80
KAR09			100	1.63	90.8	2.72	3.00	16.80
KAR09			125	-7.48	89.3	4.14	1.80	18.80
KAR09			160	-15.05	90.6	6.21	0.00	21.10
KAR09			200	-20.68	91.9	8.93	0.00	22.80
KAR10	10 380	10 382						
KAR10			20	21.07	63.9	0.00	5.60	7.60
KAR10			25	18.07	67.8	0.21	5.40	8.30
KAR10			32	17.06	73.3	0.31	5.20	9.20
KAR10			40	14.35	76.9	0.52	5.00	10.30
KAR10			50	13.35	82.0	0.73	4.70	11.50
KAR10			63	8.33	83.3	1.14	4.30	13.00
KAR10			80	4.51	86.1	1.66	3.70	14.80
KAR10			100	2.18	90.8	2.60	3.00	16.80
KAR10			125	-6.87	89.3	3.95	1.80	18.80
KAR10			160	-14.34	90.6	5.92	0.00	21.10
KAR10			200	-19.84	91.9	8.51	0.00	22.80
KAR11	9 707	9 709						
KAR11			20	21.66	63.9	0.00	5.60	7.60
KAR11			25	18.66	67.8	0.19	5.40	8.30
KAR11			32	17.67	73.3	0.29	5.20	9.20
KAR11			40	14.97	76.9	0.49	5.00	10.30
KAR11			50	13.98	82.0	0.68	4.70	11.50
KAR11			63	8.99	83.3	1.07	4.30	13.00
KAR11			80	5.20	86.1	1.55	3.70	14.80
KAR11			100	2.93	90.8	2.43	3.00	16.80
KAR11			125	-6.03	89.3	3.69	1.80	18.80
KAR11			160	-13.38	90.6	5.53	0.00	21.10
KAR11			200	-18.70	91.9	7.96	0.00	22.80
KAR12	10 650	10 652						
KAR12			20	20.85	63.9	0.00	5.60	7.60
KAR12			25	17.84	67.8	0.21	5.40	8.30
KAR12			32	16.83	73.3	0.32	5.20	9.20
KAR12			40	14.12	76.9	0.53	5.00	10.30
KAR12			50	13.11	82.0	0.75	4.70	11.50
KAR12			63	8.08	83.3	1.17	4.30	13.00
KAR12			80	4.25	86.1	1.70	3.70	14.80
KAR12			100	1.89	90.8	2.66	3.00	16.80
KAR12			125	-7.20	89.3	4.05	1.80	18.80
KAR12			160	-14.72	90.6	6.07	0.00	21.10
KAR12			200	-20.28	91.9	8.73	0.00	22.80
KAR13	9 826	9 828						
KAR13			20	21.55	63.9	0.00	5.60	7.60
KAR13			25	18.55	67.8	0.20	5.40	8.30
KAR13			32	17.56	73.3	0.29	5.20	9.20
KAR13			40	14.86	76.9	0.49	5.00	10.30
KAR13			50	13.86	82.0	0.69	4.70	11.50
KAR13			63	8.87	83.3	1.08	4.30	13.00
KAR13			80	5.08	86.1	1.57	3.70	14.80
KAR13			100	2.79	90.8	2.46	3.00	16.80
KAR13			125	-6.18	89.3	3.73	1.80	18.80
KAR13			160	-13.55	90.6	5.60	0.00	21.10
KAR13			200	-18.91	91.9	8.06	0.00	22.80
KAR14	11 204	11 206						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR14			20	20.41	63.9	0.00	5.60	7.60
KAR14			25	17.39	67.8	0.22	5.40	8.30
KAR14			32	16.38	73.3	0.34	5.20	9.20
KAR14			40	13.65	76.9	0.56	5.00	10.30
KAR14			50	12.63	82.0	0.78	4.70	11.50
KAR14			63	7.58	83.3	1.23	4.30	13.00
KAR14			80	3.72	86.1	1.79	3.70	14.80
KAR14			100	1.31	90.8	2.80	3.00	16.80
KAR14			125	-7.85	89.3	4.26	1.80	18.80
KAR14			160	-15.48	90.6	6.39	0.00	21.10
KAR14			200	-21.18	91.9	9.19	0.00	22.80
KAR15	9 475	9 478						
KAR15			20	21.87	63.9	0.00	5.60	7.60
KAR15			25	18.88	67.8	0.19	5.40	8.30
KAR15			32	17.88	73.3	0.28	5.20	9.20
KAR15			40	15.19	76.9	0.47	5.00	10.30
KAR15			50	14.20	82.0	0.66	4.70	11.50
KAR15			63	9.22	83.3	1.04	4.30	13.00
KAR15			80	5.45	86.1	1.52	3.70	14.80
KAR15			100	3.20	90.8	2.37	3.00	16.80
KAR15			125	-5.74	89.3	3.60	1.80	18.80
KAR15			160	-13.04	90.6	5.40	0.00	21.10
KAR15			200	-18.31	91.9	7.77	0.00	22.80
KAR16	11 223	11 225						
KAR16			20	20.40	63.9	0.00	5.60	7.60
KAR16			25	17.37	67.8	0.22	5.40	8.30
KAR16			32	16.36	73.3	0.34	5.20	9.20
KAR16			40	13.63	76.9	0.56	5.00	10.30
KAR16			50	12.61	82.0	0.79	4.70	11.50
KAR16			63	7.56	83.3	1.23	4.30	13.00
KAR16			80	3.70	86.1	1.80	3.70	14.80
KAR16			100	1.29	90.8	2.81	3.00	16.80
KAR16			125	-7.87	89.3	4.27	1.80	18.80
KAR16			160	-15.50	90.6	6.40	0.00	21.10
KAR16			200	-21.21	91.9	9.20	0.00	22.80
KAR17	10 842	10 843						
KAR17			20	20.70	63.9	0.00	5.60	7.60
KAR17			25	17.68	67.8	0.22	5.40	8.30
KAR17			32	16.67	73.3	0.33	5.20	9.20
KAR17			40	13.95	76.9	0.54	5.00	10.30
KAR17			50	12.94	82.0	0.76	4.70	11.50
KAR17			63	7.90	83.3	1.19	4.30	13.00
KAR17			80	4.06	86.1	1.73	3.70	14.80
KAR17			100	1.69	90.8	2.71	3.00	16.80
KAR17			125	-7.42	89.3	4.12	1.80	18.80
KAR17			160	-14.98	90.6	6.18	0.00	21.10
KAR17			200	-20.60	91.9	8.89	0.00	22.80
KAR18	11 857	11 859						
KAR18			20	19.92	63.9	0.00	5.60	7.60
KAR18			25	16.88	67.8	0.24	5.40	8.30
KAR18			32	15.86	73.3	0.36	5.20	9.20
KAR18			40	13.13	76.9	0.59	5.00	10.30
KAR18			50	12.09	82.0	0.83	4.70	11.50
KAR18			63	7.01	83.3	1.30	4.30	13.00
KAR18			80	3.12	86.1	1.90	3.70	14.80
KAR18			100	0.65	90.8	2.96	3.00	16.80
KAR18			125	-8.59	89.3	4.51	1.80	18.80
KAR18			160	-16.34	90.6	6.76	0.00	21.10
KAR18			200	-22.21	91.9	9.72	0.00	22.80
KAR19	9 956	9 958						
KAR19			20	21.44	63.9	0.00	5.60	7.60
KAR19			25	18.44	67.8	0.20	5.40	8.30
KAR19			32	17.44	73.3	0.30	5.20	9.20
KAR19			40	14.74	76.9	0.50	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR19			50	13.74	82.0	0.70	4.70	11.50
KAR19			63	8.74	83.3	1.10	4.30	13.00
KAR19			80	4.94	86.1	1.59	3.70	14.80
KAR19			100	2.65	90.8	2.49	3.00	16.80
KAR19			125	-6.35	89.3	3.78	1.80	18.80
KAR19			160	-13.74	90.6	5.68	0.00	21.10
KAR19			200	-19.13	91.9	8.17	0.00	22.80
KAR20	11 527	11 529						
KAR20			20	20.16	63.9	0.00	5.60	7.60
KAR20			25	17.13	67.8	0.23	5.40	8.30
KAR20			32	16.12	73.3	0.35	5.20	9.20
KAR20			40	13.39	76.9	0.58	5.00	10.30
KAR20			50	12.36	82.0	0.81	4.70	11.50
KAR20			63	7.30	83.3	1.27	4.30	13.00
KAR20			80	3.42	86.1	1.84	3.70	14.80
KAR20			100	0.98	90.8	2.88	3.00	16.80
KAR20			125	-8.22	89.3	4.38	1.80	18.80
KAR20			160	-15.91	90.6	6.57	0.00	21.10
KAR20			200	-21.69	91.9	9.45	0.00	22.80
KAR21	10 999	11 001						
KAR21			20	20.57	63.9	0.00	5.60	7.60
KAR21			25	17.55	67.8	0.22	5.40	8.30
KAR21			32	16.54	73.3	0.33	5.20	9.20
KAR21			40	13.82	76.9	0.55	5.00	10.30
KAR21			50	12.80	82.0	0.77	4.70	11.50
KAR21			63	7.76	83.3	1.21	4.30	13.00
KAR21			80	3.91	86.1	1.76	3.70	14.80
KAR21			100	1.52	90.8	2.75	3.00	16.80
KAR21			125	-7.61	89.3	4.18	1.80	18.80
KAR21			160	-15.20	90.6	6.27	0.00	21.10
KAR21			200	-20.85	91.9	9.02	0.00	22.80
KAR22	10 775	10 777						
KAR22			20	20.75	63.9	0.00	5.60	7.60
KAR22			25	17.73	67.8	0.22	5.40	8.30
KAR22			32	16.73	73.3	0.32	5.20	9.20
KAR22			40	14.01	76.9	0.54	5.00	10.30
KAR22			50	13.00	82.0	0.75	4.70	11.50
KAR22			63	7.96	83.3	1.19	4.30	13.00
KAR22			80	4.13	86.1	1.72	3.70	14.80
KAR22			100	1.76	90.8	2.69	3.00	16.80
KAR22			125	-7.35	89.3	4.10	1.80	18.80
KAR22			160	-14.89	90.6	6.14	0.00	21.10
KAR22			200	-20.49	91.9	8.84	0.00	22.80
KAR23	11 378	11 380						
KAR23			20	20.28	63.9	0.00	5.60	7.60
KAR23			25	17.25	67.8	0.23	5.40	8.30
KAR23			32	16.24	73.3	0.34	5.20	9.20
KAR23			40	13.51	76.9	0.57	5.00	10.30
KAR23			50	12.48	82.0	0.80	4.70	11.50
KAR23			63	7.43	83.3	1.25	4.30	13.00
KAR23			80	3.56	86.1	1.82	3.70	14.80
KAR23			100	1.13	90.8	2.84	3.00	16.80
KAR23			125	-8.05	89.3	4.32	1.80	18.80
KAR23			160	-15.71	90.6	6.49	0.00	21.10
KAR23			200	-21.45	91.9	9.33	0.00	22.80
KAR24	9 724	9 726						
KAR24			20	21.64	63.9	0.00	5.60	7.60
KAR24			25	18.65	67.8	0.19	5.40	8.30
KAR24			32	17.65	73.3	0.29	5.20	9.20
KAR24			40	14.95	76.9	0.49	5.00	10.30
KAR24			50	13.96	82.0	0.68	4.70	11.50
KAR24			63	8.97	83.3	1.07	4.30	13.00
KAR24			80	5.18	86.1	1.56	3.70	14.80
KAR24			100	2.91	90.8	2.43	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR24			125	-6.05	89.3	3.70	1.80	18.80
KAR24			160	-13.40	90.6	5.54	0.00	21.10
KAR24			200	-18.73	91.9	7.98	0.00	22.80
KAR25	8 478	8 480						
KAR25			20	22.83	63.9	0.00	5.60	7.60
KAR25			25	19.86	67.8	0.17	5.40	8.30
KAR25			32	18.88	73.3	0.25	5.20	9.20
KAR25			40	16.21	76.9	0.42	5.00	10.30
KAR25			50	15.24	82.0	0.59	4.70	11.50
KAR25			63	10.30	83.3	0.93	4.30	13.00
KAR25			80	6.57	86.1	1.36	3.70	14.80
KAR25			100	4.41	90.8	2.12	3.00	16.80
KAR25			125	-4.39	89.3	3.22	1.80	18.80
KAR25			160	-11.50	90.6	4.83	0.00	21.10
KAR25			200	-16.52	91.9	6.95	0.00	22.80
MAA01	4 830	4 832						
MAA01			20	27.72	63.9	0.00	5.60	7.60
MAA01			25	24.82	67.8	0.10	5.40	8.30
MAA01			32	23.87	73.3	0.14	5.20	9.20
MAA01			40	21.28	76.9	0.24	5.00	10.30
MAA01			50	20.38	82.0	0.34	4.70	11.50
MAA01			63	15.59	83.3	0.53	4.30	13.00
MAA01			80	12.04	86.1	0.77	3.70	14.80
MAA01			100	10.21	90.8	1.21	3.00	16.80
MAA01			125	1.88	89.3	1.84	1.80	18.80
MAA01			160	-4.54	90.6	2.75	0.00	21.10
MAA01			200	-8.65	91.9	3.96	0.00	22.80
MAA03	4 070	4 073						
MAA03			20	29.20	63.9	0.00	5.60	7.60
MAA03			25	26.32	67.8	0.08	5.40	8.30
MAA03			32	25.38	73.3	0.12	5.20	9.20
MAA03			40	22.80	76.9	0.20	5.00	10.30
MAA03			50	21.92	82.0	0.29	4.70	11.50
MAA03			63	17.15	83.3	0.45	4.30	13.00
MAA03			80	13.65	86.1	0.65	3.70	14.80
MAA03			100	11.88	90.8	1.02	3.00	16.80
MAA03			125	3.65	89.3	1.55	1.80	18.80
MAA03			160	-2.62	90.6	2.32	0.00	21.10
MAA03			200	-6.54	91.9	3.34	0.00	22.80
MAA04	3 881	3 884						
MAA04			20	29.61	63.9	0.00	5.60	7.60
MAA04			25	26.74	67.8	0.08	5.40	8.30
MAA04			32	25.80	73.3	0.12	5.20	9.20
MAA04			40	23.22	76.9	0.19	5.00	10.30
MAA04			50	22.34	82.0	0.27	4.70	11.50
MAA04			63	17.59	83.3	0.43	4.30	13.00
MAA04			80	14.09	86.1	0.62	3.70	14.80
MAA04			100	12.34	90.8	0.97	3.00	16.80
MAA04			125	4.14	89.3	1.48	1.80	18.80
MAA04			160	-2.10	90.6	2.21	0.00	21.10
MAA04			200	-5.97	91.9	3.18	0.00	22.80
MAA05	3 373	3 377						
MAA05			20	30.83	63.9	0.00	5.60	7.60
MAA05			25	27.96	67.8	0.07	5.40	8.30
MAA05			32	27.03	73.3	0.10	5.20	9.20
MAA05			40	24.46	76.9	0.17	5.00	10.30
MAA05			50	23.59	82.0	0.24	4.70	11.50
MAA05			63	18.86	83.3	0.37	4.30	13.00
MAA05			80	15.39	86.1	0.54	3.70	14.80
MAA05			100	13.69	90.8	0.84	3.00	16.80
MAA05			125	5.55	89.3	1.28	1.80	18.80
MAA05			160	-0.59	90.6	1.92	0.00	21.10
MAA05			200	-4.34	91.9	2.77	0.00	22.80
MAA06	2 453	2 458						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA06			20	33.59	63.9	0.00	5.60	7.60
MAA06			25	30.74	67.8	0.05	5.40	8.30
MAA06			32	29.82	73.3	0.07	5.20	9.20
MAA06			40	27.27	76.9	0.12	5.00	10.30
MAA06			50	26.42	82.0	0.17	4.70	11.50
MAA06			63	21.72	83.3	0.27	4.30	13.00
MAA06			80	18.30	86.1	0.39	3.70	14.80
MAA06			100	16.67	90.8	0.61	3.00	16.80
MAA06			125	8.66	89.3	0.93	1.80	18.80
MAA06			160	2.69	90.6	1.40	0.00	21.10
MAA06			200	-0.83	91.9	2.02	0.00	22.80
MAA07	2 410	2 415						
MAA07			20	33.74	63.9	0.00	5.60	7.60
MAA07			25	30.89	67.8	0.05	5.40	8.30
MAA07			32	29.97	73.3	0.07	5.20	9.20
MAA07			40	27.42	76.9	0.12	5.00	10.30
MAA07			50	26.57	82.0	0.17	4.70	11.50
MAA07			63	21.87	83.3	0.27	4.30	13.00
MAA07			80	18.45	86.1	0.39	3.70	14.80
MAA07			100	16.84	90.8	0.60	3.00	16.80
MAA07			125	8.82	89.3	0.92	1.80	18.80
MAA07			160	2.86	90.6	1.38	0.00	21.10
MAA07			200	-0.64	91.9	1.98	0.00	22.80
MAA08	2 580	2 585						
MAA08			20	33.15	63.9	0.00	5.60	7.60
MAA08			25	30.30	67.8	0.05	5.40	8.30
MAA08			32	29.37	73.3	0.08	5.20	9.20
MAA08			40	26.82	76.9	0.13	5.00	10.30
MAA08			50	25.97	82.0	0.18	4.70	11.50
MAA08			63	21.27	83.3	0.28	4.30	13.00
MAA08			80	17.84	86.1	0.41	3.70	14.80
MAA08			100	16.20	90.8	0.65	3.00	16.80
MAA08			125	8.17	89.3	0.98	1.80	18.80
MAA08			160	2.18	90.6	1.47	0.00	21.10
MAA08			200	-1.37	91.9	2.12	0.00	22.80
RAH01	5 427	5 430						
RAH01			20	24.85	62.0	0.00	5.60	7.60
RAH01			25	23.24	67.2	0.11	5.40	8.30
RAH01			32	21.59	72.0	0.16	5.20	9.20
RAH01			40	20.16	76.8	0.27	5.00	10.30
RAH01			50	18.55	81.2	0.38	4.70	11.50
RAH01			63	16.23	85.0	0.60	4.30	13.00
RAH01			80	13.16	88.3	0.87	3.70	14.80
RAH01			100	9.35	91.1	1.36	3.00	16.80
RAH01			125	4.64	93.3	2.06	1.80	18.80
RAH01			160	-1.51	95.0	3.09	0.00	21.10
RAH01			200	-5.95	96.1	4.45	0.00	22.80
RAH02	4 590	4 593						
RAH02			20	26.31	62.0	0.00	5.60	7.60
RAH02			25	24.71	67.2	0.09	5.40	8.30
RAH02			32	23.07	72.0	0.14	5.20	9.20
RAH02			40	21.65	76.8	0.23	5.00	10.30
RAH02			50	20.06	81.2	0.32	4.70	11.50
RAH02			63	17.78	85.0	0.51	4.30	13.00
RAH02			80	14.75	88.3	0.73	3.70	14.80
RAH02			100	11.01	91.1	1.15	3.00	16.80
RAH02			125	6.41	93.3	1.75	1.80	18.80
RAH02			160	0.41	95.0	2.62	0.00	21.10
RAH02			200	-3.81	96.1	3.77	0.00	22.80
RAH03	5 042	5 045						
RAH03			20	25.49	62.0	0.00	5.60	7.60
RAH03			25	23.89	67.2	0.10	5.40	8.30
RAH03			32	22.24	72.0	0.15	5.20	9.20
RAH03			40	20.82	76.8	0.25	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH03			50	19.21	81.2	0.35	4.70	11.50
RAH03			63	16.91	85.0	0.55	4.30	13.00
RAH03			80	13.86	88.3	0.81	3.70	14.80
RAH03			100	10.08	91.1	1.26	3.00	16.80
RAH03			125	5.43	93.3	1.92	1.80	18.80
RAH03			160	-0.66	95.0	2.88	0.00	21.10
RAH03			200	-4.99	96.1	4.14	0.00	22.80
RAH04	3 894	3 898						
RAH04			20	27.73	62.0	0.00	5.60	7.60
RAH04			25	26.15	67.2	0.08	5.40	8.30
RAH04			32	24.52	72.0	0.12	5.20	9.20
RAH04			40	23.11	76.8	0.19	5.00	10.30
RAH04			50	21.54	81.2	0.27	4.70	11.50
RAH04			63	19.28	85.0	0.43	4.30	13.00
RAH04			80	16.28	88.3	0.62	3.70	14.80
RAH04			100	12.61	91.1	0.97	3.00	16.80
RAH04			125	8.10	93.3	1.48	1.80	18.80
RAH04			160	2.24	95.0	2.22	0.00	21.10
RAH04			200	-1.81	96.1	3.20	0.00	22.80
RAH05	4 099	4 103						
RAH05			20	27.29	62.0	0.00	5.60	7.60
RAH05			25	25.70	67.2	0.08	5.40	8.30
RAH05			32	24.06	72.0	0.12	5.20	9.20
RAH05			40	22.66	76.8	0.21	5.00	10.30
RAH05			50	21.08	81.2	0.29	4.70	11.50
RAH05			63	18.81	85.0	0.45	4.30	13.00
RAH05			80	15.81	88.3	0.66	3.70	14.80
RAH05			100	12.11	91.1	1.03	3.00	16.80
RAH05			125	7.58	93.3	1.56	1.80	18.80
RAH05			160	1.68	95.0	2.34	0.00	21.10
RAH05			200	-2.43	96.1	3.36	0.00	22.80
RAH06	3 351	3 355						
RAH06			20	29.03	62.0	0.00	5.60	7.60
RAH06			25	27.47	67.2	0.07	5.40	8.30
RAH06			32	25.83	72.0	0.10	5.20	9.20
RAH06			40	24.44	76.8	0.17	5.00	10.30
RAH06			50	22.87	81.2	0.23	4.70	11.50
RAH06			63	20.64	85.0	0.37	4.30	13.00
RAH06			80	17.67	88.3	0.54	3.70	14.80
RAH06			100	14.05	91.1	0.84	3.00	16.80
RAH06			125	9.61	93.3	1.28	1.80	18.80
RAH06			160	3.85	95.0	1.91	0.00	21.10
RAH06			200	-0.07	96.1	2.75	0.00	22.80
RAH07	2 144	2 151						
RAH07			20	32.90	62.0	0.00	5.60	7.60
RAH07			25	31.35	67.2	0.04	5.40	8.30
RAH07			32	29.73	72.0	0.06	5.20	9.20
RAH07			40	28.36	76.8	0.11	5.00	10.30
RAH07			50	26.82	81.2	0.15	4.70	11.50
RAH07			63	24.63	85.0	0.24	4.30	13.00
RAH07			80	21.73	88.3	0.34	3.70	14.80
RAH07			100	18.21	91.1	0.54	3.00	16.80
RAH07			125	13.93	93.3	0.82	1.80	18.80
RAH07			160	8.40	95.0	1.23	0.00	21.10
RAH07			200	4.78	96.1	1.76	0.00	22.80
RAH08	2 875	2 880						
RAH08			20	30.36	62.0	0.00	5.60	7.60
RAH08			25	28.80	67.2	0.06	5.40	8.30
RAH08			32	27.18	72.0	0.09	5.20	9.20
RAH08			40	25.79	76.8	0.14	5.00	10.30
RAH08			50	24.24	81.2	0.20	4.70	11.50
RAH08			63	22.02	85.0	0.32	4.30	13.00
RAH08			80	19.08	88.3	0.46	3.70	14.80
RAH08			100	15.49	91.1	0.72	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH08			125	11.12	93.3	1.09	1.80	18.80
RAH08			160	5.45	95.0	1.64	0.00	21.10
RAH08			200	1.65	96.1	2.36	0.00	22.80
RAH09	2 873	2 877						
RAH09			20	30.37	62.0	0.00	5.60	7.60
RAH09			25	28.81	67.2	0.06	5.40	8.30
RAH09			32	27.18	72.0	0.09	5.20	9.20
RAH09			40	25.80	76.8	0.14	5.00	10.30
RAH09			50	24.24	81.2	0.20	4.70	11.50
RAH09			63	22.03	85.0	0.32	4.30	13.00
RAH09			80	19.08	88.3	0.46	3.70	14.80
RAH09			100	15.50	91.1	0.72	3.00	16.80
RAH09			125	11.13	93.3	1.09	1.80	18.80
RAH09			160	5.46	95.0	1.64	0.00	21.10
RAH09			200	1.66	96.1	2.36	0.00	22.80
RAH10	3 544	3 547						
RAH10			20	28.55	62.0	0.00	5.60	7.60
RAH10			25	26.98	67.2	0.07	5.40	8.30
RAH10			32	25.34	72.0	0.11	5.20	9.20
RAH10			40	23.95	76.8	0.18	5.00	10.30
RAH10			50	22.38	81.2	0.25	4.70	11.50
RAH10			63	20.14	85.0	0.39	4.30	13.00
RAH10			80	17.16	88.3	0.57	3.70	14.80
RAH10			100	13.51	91.1	0.89	3.00	16.80
RAH10			125	9.05	93.3	1.35	1.80	18.80
RAH10			160	3.26	95.0	2.02	0.00	21.10
RAH10			200	-0.71	96.1	2.91	0.00	22.80
RAH11	6 142	6 144						
RAH11			20	23.78	62.0	0.00	5.60	7.60
RAH11			25	22.16	67.2	0.12	5.40	8.30
RAH11			32	20.49	72.0	0.18	5.20	9.20
RAH11			40	19.05	76.8	0.31	5.00	10.30
RAH11			50	17.42	81.2	0.43	4.70	11.50
RAH11			63	15.08	85.0	0.68	4.30	13.00
RAH11			80	11.97	88.3	0.98	3.70	14.80
RAH11			100	8.09	91.1	1.54	3.00	16.80
RAH11			125	3.30	93.3	2.33	1.80	18.80
RAH11			160	-3.00	95.0	3.50	0.00	21.10
RAH11			200	-7.61	96.1	5.04	0.00	22.80
RAH12	6 573	6 575						
RAH12			20	23.19	62.0	0.00	5.60	7.60
RAH12			25	21.56	67.2	0.13	5.40	8.30
RAH12			32	19.89	72.0	0.20	5.20	9.20
RAH12			40	18.44	76.8	0.33	5.00	10.30
RAH12			50	16.81	81.2	0.46	4.70	11.50
RAH12			63	14.44	85.0	0.72	4.30	13.00
RAH12			80	11.31	88.3	1.05	3.70	14.80
RAH12			100	7.40	91.1	1.64	3.00	16.80
RAH12			125	2.54	93.3	2.50	1.80	18.80
RAH12			160	-3.83	95.0	3.75	0.00	21.10
RAH12			200	-8.55	96.1	5.39	0.00	22.80
RAH13	7 247	7 249						
RAH13			20	22.34	62.0	0.00	5.60	7.60
RAH13			25	20.70	67.2	0.14	5.40	8.30
RAH13			32	19.03	72.0	0.22	5.20	9.20
RAH13			40	17.56	76.8	0.36	5.00	10.30
RAH13			50	15.91	81.2	0.51	4.70	11.50
RAH13			63	13.52	85.0	0.80	4.30	13.00
RAH13			80	10.36	88.3	1.16	3.70	14.80
RAH13			100	6.38	91.1	1.81	3.00	16.80
RAH13			125	1.44	93.3	2.75	1.80	18.80
RAH13			160	-5.06	95.0	4.13	0.00	21.10
RAH13			200	-9.95	96.1	5.94	0.00	22.80
RAH14	6 918	6 920						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH14			20	22.75	62.0	0.00	5.60	7.60
RAH14			25	21.11	67.2	0.14	5.40	8.30
RAH14			32	19.44	72.0	0.21	5.20	9.20
RAH14			40	17.98	76.8	0.35	5.00	10.30
RAH14			50	16.34	81.2	0.48	4.70	11.50
RAH14			63	13.96	85.0	0.76	4.30	13.00
RAH14			80	10.82	88.3	1.11	3.70	14.80
RAH14			100	6.87	91.1	1.73	3.00	16.80
RAH14			125	1.97	93.3	2.63	1.80	18.80
RAH14			160	-4.47	95.0	3.94	0.00	21.10
RAH14			200	-9.28	96.1	5.67	0.00	22.80
RAH15	8 153	8 155						
RAH15			20	21.32	62.0	0.00	5.60	7.60
RAH15			25	19.66	67.2	0.16	5.40	8.30
RAH15			32	17.98	72.0	0.24	5.20	9.20
RAH15			40	16.49	76.8	0.41	5.00	10.30
RAH15			50	14.82	81.2	0.57	4.70	11.50
RAH15			63	12.40	85.0	0.90	4.30	13.00
RAH15			80	9.19	88.3	1.30	3.70	14.80
RAH15			100	5.13	91.1	2.04	3.00	16.80
RAH15			125	0.07	93.3	3.10	1.80	18.80
RAH15			160	-6.60	95.0	4.65	0.00	21.10
RAH15			200	-11.72	96.1	6.69	0.00	22.80
RAH16	8 151	8 152						
RAH16			20	21.32	62.0	0.00	5.60	7.60
RAH16			25	19.66	67.2	0.16	5.40	8.30
RAH16			32	17.98	72.0	0.24	5.20	9.20
RAH16			40	16.49	76.8	0.41	5.00	10.30
RAH16			50	14.83	81.2	0.57	4.70	11.50
RAH16			63	12.40	85.0	0.90	4.30	13.00
RAH16			80	9.19	88.3	1.30	3.70	14.80
RAH16			100	5.14	91.1	2.04	3.00	16.80
RAH16			125	0.08	93.3	3.10	1.80	18.80
RAH16			160	-6.60	95.0	4.65	0.00	21.10
RAH16			200	-11.71	96.1	6.69	0.00	22.80
RAH17	8 046	8 049						
RAH17			20	21.43	62.0	0.00	5.60	7.60
RAH17			25	19.77	67.2	0.16	5.40	8.30
RAH17			32	18.09	72.0	0.24	5.20	9.20
RAH17			40	16.61	76.8	0.40	5.00	10.30
RAH17			50	14.95	81.2	0.56	4.70	11.50
RAH17			63	12.52	85.0	0.89	4.30	13.00
RAH17			80	9.32	88.3	1.29	3.70	14.80
RAH17			100	5.27	91.1	2.01	3.00	16.80
RAH17			125	0.23	93.3	3.06	1.80	18.80
RAH17			160	-6.43	95.0	4.59	0.00	21.10
RAH17			200	-11.51	96.1	6.60	0.00	22.80
RAH18	8 360	8 362						
RAH18			20	21.10	62.0	0.00	5.60	7.60
RAH18			25	19.43	67.2	0.17	5.40	8.30
RAH18			32	17.75	72.0	0.25	5.20	9.20
RAH18			40	16.26	76.8	0.42	5.00	10.30
RAH18			50	14.59	81.2	0.59	4.70	11.50
RAH18			63	12.16	85.0	0.92	4.30	13.00
RAH18			80	8.94	88.3	1.34	3.70	14.80
RAH18			100	4.86	91.1	2.09	3.00	16.80
RAH18			125	-0.22	93.3	3.18	1.80	18.80
RAH18			160	-6.94	95.0	4.77	0.00	21.10
RAH18			200	-12.10	96.1	6.86	0.00	22.80
RAH19	8 879	8 881						
RAH19			20	20.58	62.0	0.00	5.60	7.60
RAH19			25	18.90	67.2	0.18	5.40	8.30
RAH19			32	17.21	72.0	0.27	5.20	9.20
RAH19			40	15.71	76.8	0.44	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH19			50	14.03	81.2	0.62	4.70	11.50
RAH19			63	11.58	85.0	0.98	4.30	13.00
RAH19			80	8.33	88.3	1.42	3.70	14.80
RAH19			100	4.21	91.1	2.22	3.00	16.80
RAH19			125	-0.94	93.3	3.37	1.80	18.80
RAH19			160	-7.76	95.0	5.06	0.00	21.10
RAH19			200	-13.05	96.1	7.28	0.00	22.80
SIL01	14 363	14 364						
SIL01			20	17.68	63.3	0.00	5.60	7.60
SIL01			25	15.78	68.4	0.29	5.40	8.30
SIL01			32	9.75	68.9	0.43	5.20	9.20
SIL01			40	6.56	72.1	0.72	5.00	10.30
SIL01			50	5.07	76.8	1.01	4.70	11.50
SIL01			63	1.58	79.8	1.58	4.30	13.00
SIL01			80	-2.43	82.6	2.30	3.70	14.80
SIL01			100	-6.41	86.0	3.59	3.00	16.80
SIL01			125	-11.22	89.3	5.46	1.80	18.80
SIL01			160	-21.85	88.2	8.19	0.00	21.10
SIL01			200	-27.84	90.0	11.78	0.00	22.80
SIL02	14 056	14 057						
SIL02			20	17.87	63.3	0.00	5.60	7.60
SIL02			25	15.98	68.4	0.28	5.40	8.30
SIL02			32	9.95	68.9	0.42	5.20	9.20
SIL02			40	6.76	72.1	0.70	5.00	10.30
SIL02			50	5.28	76.8	0.98	4.70	11.50
SIL02			63	1.80	79.8	1.55	4.30	13.00
SIL02			80	-2.20	82.6	2.25	3.70	14.80
SIL02			100	-6.14	86.0	3.51	3.00	16.80
SIL02			125	-10.91	89.3	5.34	1.80	18.80
SIL02			160	-21.49	88.2	8.01	0.00	21.10
SIL02			200	-27.40	90.0	11.53	0.00	22.80
SIL03	13 566	13 567						
SIL03			20	18.17	63.3	0.00	5.60	7.60
SIL03			25	16.30	68.4	0.27	5.40	8.30
SIL03			32	10.27	68.9	0.41	5.20	9.20
SIL03			40	7.10	72.1	0.68	5.00	10.30
SIL03			50	5.62	76.8	0.95	4.70	11.50
SIL03			63	2.16	79.8	1.49	4.30	13.00
SIL03			80	-1.81	82.6	2.17	3.70	14.80
SIL03			100	-5.71	86.0	3.39	3.00	16.80
SIL03			125	-10.42	89.3	5.16	1.80	18.80
SIL03			160	-20.90	88.2	7.73	0.00	21.10
SIL03			200	-26.69	90.0	11.12	0.00	22.80
SIL04	13 406	13 407						
SIL04			20	18.28	63.3	0.00	5.60	7.60
SIL04			25	16.40	68.4	0.27	5.40	8.30
SIL04			32	10.38	68.9	0.40	5.20	9.20
SIL04			40	7.21	72.1	0.67	5.00	10.30
SIL04			50	5.74	76.8	0.94	4.70	11.50
SIL04			63	2.28	79.8	1.47	4.30	13.00
SIL04			80	-1.68	82.6	2.15	3.70	14.80
SIL04			100	-5.57	86.0	3.35	3.00	16.80
SIL04			125	-10.25	89.3	5.09	1.80	18.80
SIL04			160	-20.71	88.2	7.64	0.00	21.10
SIL04			200	-26.45	90.0	10.99	0.00	22.80
SIL05	13 946	13 947						
SIL05			20	17.93	63.3	0.00	5.60	7.60
SIL05			25	16.05	68.4	0.28	5.40	8.30
SIL05			32	10.02	68.9	0.42	5.20	9.20
SIL05			40	6.84	72.1	0.70	5.00	10.30
SIL05			50	5.36	76.8	0.98	4.70	11.50
SIL05			63	1.88	79.8	1.53	4.30	13.00
SIL05			80	-2.11	82.6	2.23	3.70	14.80
SIL05			100	-6.05	86.0	3.49	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL05			125	-10.80	89.3	5.30	1.80	18.80
SIL05			160	-21.36	88.2	7.95	0.00	21.10
SIL05			200	-27.24	90.0	11.44	0.00	22.80
SIL06	13 736	13 737						
SIL06			20	18.07	63.3	0.00	5.60	7.60
SIL06			25	16.19	68.4	0.27	5.40	8.30
SIL06			32	10.16	68.9	0.41	5.20	9.20
SIL06			40	6.98	72.1	0.69	5.00	10.30
SIL06			50	5.50	76.8	0.96	4.70	11.50
SIL06			63	2.04	79.8	1.51	4.30	13.00
SIL06			80	-1.94	82.6	2.20	3.70	14.80
SIL06			100	-5.86	86.0	3.43	3.00	16.80
SIL06			125	-10.59	89.3	5.22	1.80	18.80
SIL06			160	-21.11	88.2	7.83	0.00	21.10
SIL06			200	-26.93	90.0	11.26	0.00	22.80
SIL07	13 149	13 150						
SIL07			20	18.44	63.3	0.00	5.60	7.60
SIL07			25	16.58	68.4	0.26	5.40	8.30
SIL07			32	10.56	68.9	0.39	5.20	9.20
SIL07			40	7.39	72.1	0.66	5.00	10.30
SIL07			50	5.92	76.8	0.92	4.70	11.50
SIL07			63	2.48	79.8	1.45	4.30	13.00
SIL07			80	-1.47	82.6	2.10	3.70	14.80
SIL07			100	-5.34	86.0	3.29	3.00	16.80
SIL07			125	-9.99	89.3	5.00	1.80	18.80
SIL07			160	-20.39	88.2	7.50	0.00	21.10
SIL07			200	-26.07	90.0	10.78	0.00	22.80
SIL08	13 315	13 316						
SIL08			20	18.34	63.3	0.00	5.60	7.60
SIL08			25	16.46	68.4	0.27	5.40	8.30
SIL08			32	10.44	68.9	0.40	5.20	9.20
SIL08			40	7.27	72.1	0.67	5.00	10.30
SIL08			50	5.80	76.8	0.93	4.70	11.50
SIL08			63	2.35	79.8	1.46	4.30	13.00
SIL08			80	-1.61	82.6	2.13	3.70	14.80
SIL08			100	-5.49	86.0	3.33	3.00	16.80
SIL08			125	-10.16	89.3	5.06	1.80	18.80
SIL08			160	-20.60	88.2	7.59	0.00	21.10
SIL08			200	-26.32	90.0	10.92	0.00	22.80
Sum								
Sum			20	43.72				
Sum			25	41.42				
Sum			32	40.08				
Sum			40	38.04				
Sum			50	36.82				
Sum			63	33.40				
Sum			80	30.21				
Sum			100	27.31				
Sum			125	21.48				
Sum			160	15.55				
Sum			200	11.63				

Noise sensitive area: L Noise sensitive point: Finnish normal frequency - User defined (12)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	8 337	8 339						
KAR01			20	22.98	63.9	0.00	5.60	7.60
KAR01			25	20.01	67.8	0.17	5.40	8.30
KAR01			32	19.03	73.3	0.25	5.20	9.20
KAR01			40	16.36	76.9	0.42	5.00	10.30
KAR01			50	15.39	82.0	0.58	4.70	11.50
KAR01			63	10.46	83.3	0.92	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01			80	6.74	86.1	1.33	3.70	14.80
KAR01			100	4.59	90.8	2.08	3.00	16.80
KAR01			125	-4.19	89.3	3.17	1.80	18.80
KAR01			160	-11.28	90.6	4.75	0.00	21.10
KAR01			200	-16.26	91.9	6.84	0.00	22.80
KAR02	7 667	7 670						
KAR02			20	23.70	63.9	0.00	5.60	7.60
KAR02			25	20.75	67.8	0.15	5.40	8.30
KAR02			32	19.77	73.3	0.23	5.20	9.20
KAR02			40	17.12	76.9	0.38	5.00	10.30
KAR02			50	16.17	82.0	0.54	4.70	11.50
KAR02			63	11.26	83.3	0.84	4.30	13.00
KAR02			80	7.58	86.1	1.23	3.70	14.80
KAR02			100	5.49	90.8	1.92	3.00	16.80
KAR02			125	-3.21	89.3	2.91	1.80	18.80
KAR02			160	-10.17	90.6	4.37	0.00	21.10
KAR02			200	-14.98	91.9	6.29	0.00	22.80
KAR03	8 270	8 272						
KAR03			20	23.05	63.9	0.00	5.60	7.60
KAR03			25	20.08	67.8	0.17	5.40	8.30
KAR03			32	19.10	73.3	0.25	5.20	9.20
KAR03			40	16.43	76.9	0.41	5.00	10.30
KAR03			50	15.47	82.0	0.58	4.70	11.50
KAR03			63	10.54	83.3	0.91	4.30	13.00
KAR03			80	6.82	86.1	1.32	3.70	14.80
KAR03			100	4.68	90.8	2.07	3.00	16.80
KAR03			125	-4.10	89.3	3.14	1.80	18.80
KAR03			160	-11.17	90.6	4.72	0.00	21.10
KAR03			200	-16.14	91.9	6.78	0.00	22.80
KAR04	8 971	8 973						
KAR04			20	22.34	63.9	0.00	5.60	7.60
KAR04			25	19.36	67.8	0.18	5.40	8.30
KAR04			32	18.37	73.3	0.27	5.20	9.20
KAR04			40	15.69	76.9	0.45	5.00	10.30
KAR04			50	14.71	82.0	0.63	4.70	11.50
KAR04			63	9.75	83.3	0.99	4.30	13.00
KAR04			80	6.01	86.1	1.44	3.70	14.80
KAR04			100	3.80	90.8	2.24	3.00	16.80
KAR04			125	-5.07	89.3	3.41	1.80	18.80
KAR04			160	-12.27	90.6	5.11	0.00	21.10
KAR04			200	-17.42	91.9	7.36	0.00	22.80
KAR05	9 655	9 657						
KAR05			20	21.70	63.9	0.00	5.60	7.60
KAR05			25	18.71	67.8	0.19	5.40	8.30
KAR05			32	17.71	73.3	0.29	5.20	9.20
KAR05			40	15.02	76.9	0.48	5.00	10.30
KAR05			50	14.03	82.0	0.68	4.70	11.50
KAR05			63	9.04	83.3	1.06	4.30	13.00
KAR05			80	5.26	86.1	1.55	3.70	14.80
KAR05			100	2.99	90.8	2.41	3.00	16.80
KAR05			125	-5.97	89.3	3.67	1.80	18.80
KAR05			160	-13.30	90.6	5.50	0.00	21.10
KAR05			200	-18.62	91.9	7.92	0.00	22.80
KAR06	8 531	8 534						
KAR06			20	22.78	63.9	0.00	5.60	7.60
KAR06			25	19.81	67.8	0.17	5.40	8.30
KAR06			32	18.82	73.3	0.26	5.20	9.20
KAR06			40	16.15	76.9	0.43	5.00	10.30
KAR06			50	15.18	82.0	0.60	4.70	11.50
KAR06			63	10.24	83.3	0.94	4.30	13.00
KAR06			80	6.51	86.1	1.37	3.70	14.80
KAR06			100	4.34	90.8	2.13	3.00	16.80
KAR06			125	-4.47	89.3	3.24	1.80	18.80
KAR06			160	-11.59	90.6	4.86	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			200	-16.62	91.9	7.00	0.00	22.80
KAR07	7 982	7 985						
KAR07			20	23.35	63.9	0.00	5.60	7.60
KAR07			25	20.40	67.8	0.16	5.40	8.30
KAR07			32	19.42	73.3	0.24	5.20	9.20
KAR07			40	16.76	76.9	0.40	5.00	10.30
KAR07			50	15.80	82.0	0.56	4.70	11.50
KAR07			63	10.88	83.3	0.88	4.30	13.00
KAR07			80	7.18	86.1	1.28	3.70	14.80
KAR07			100	5.06	90.8	2.00	3.00	16.80
KAR07			125	-3.68	89.3	3.03	1.80	18.80
KAR07			160	-10.70	90.6	4.55	0.00	21.10
KAR07			200	-15.59	91.9	6.55	0.00	22.80
KAR08	7 531	7 533						
KAR08			20	23.86	63.9	0.00	5.60	7.60
KAR08			25	20.91	67.8	0.15	5.40	8.30
KAR08			32	19.93	73.3	0.23	5.20	9.20
KAR08			40	17.28	76.9	0.38	5.00	10.30
KAR08			50	16.33	82.0	0.53	4.70	11.50
KAR08			63	11.43	83.3	0.83	4.30	13.00
KAR08			80	7.76	86.1	1.21	3.70	14.80
KAR08			100	5.68	90.8	1.88	3.00	16.80
KAR08			125	-3.00	89.3	2.86	1.80	18.80
KAR08			160	-9.93	90.6	4.29	0.00	21.10
KAR08			200	-14.72	91.9	6.18	0.00	22.80
KAR09	9 941	9 944						
KAR09			20	21.45	63.9	0.00	5.60	7.60
KAR09			25	18.45	67.8	0.20	5.40	8.30
KAR09			32	17.45	73.3	0.30	5.20	9.20
KAR09			40	14.75	76.9	0.50	5.00	10.30
KAR09			50	13.75	82.0	0.70	4.70	11.50
KAR09			63	8.76	83.3	1.09	4.30	13.00
KAR09			80	4.96	86.1	1.59	3.70	14.80
KAR09			100	2.66	90.8	2.49	3.00	16.80
KAR09			125	-6.33	89.3	3.78	1.80	18.80
KAR09			160	-13.72	90.6	5.67	0.00	21.10
KAR09			200	-19.10	91.9	8.15	0.00	22.80
KAR10	9 412	9 414						
KAR10			20	21.92	63.9	0.00	5.60	7.60
KAR10			25	18.94	67.8	0.19	5.40	8.30
KAR10			32	17.94	73.3	0.28	5.20	9.20
KAR10			40	15.25	76.9	0.47	5.00	10.30
KAR10			50	14.27	82.0	0.66	4.70	11.50
KAR10			63	9.29	83.3	1.04	4.30	13.00
KAR10			80	5.52	86.1	1.51	3.70	14.80
KAR10			100	3.27	90.8	2.35	3.00	16.80
KAR10			125	-5.65	89.3	3.58	1.80	18.80
KAR10			160	-12.94	90.6	5.37	0.00	21.10
KAR10			200	-18.20	91.9	7.72	0.00	22.80
KAR11	8 703	8 706						
KAR11			20	22.60	63.9	0.00	5.60	7.60
KAR11			25	19.63	67.8	0.17	5.40	8.30
KAR11			32	18.64	73.3	0.26	5.20	9.20
KAR11			40	15.97	76.9	0.44	5.00	10.30
KAR11			50	14.99	82.0	0.61	4.70	11.50
KAR11			63	10.05	83.3	0.96	4.30	13.00
KAR11			80	6.31	86.1	1.39	3.70	14.80
KAR11			100	4.13	90.8	2.18	3.00	16.80
KAR11			125	-4.70	89.3	3.31	1.80	18.80
KAR11			160	-11.86	90.6	4.96	0.00	21.10
KAR11			200	-16.93	91.9	7.14	0.00	22.80
KAR12	9 657	9 659						
KAR12			20	21.70	63.9	0.00	5.60	7.60
KAR12			25	18.71	67.8	0.19	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR12			32	17.71	73.3	0.29	5.20	9.20
KAR12			40	15.02	76.9	0.48	5.00	10.30
KAR12			50	14.03	82.0	0.68	4.70	11.50
KAR12			63	9.04	83.3	1.06	4.30	13.00
KAR12			80	5.26	86.1	1.55	3.70	14.80
KAR12			100	2.99	90.8	2.41	3.00	16.80
KAR12			125	-5.97	89.3	3.67	1.80	18.80
KAR12			160	-13.30	90.6	5.51	0.00	21.10
KAR12			200	-18.62	91.9	7.92	0.00	22.80
KAR13	8 806	8 808						
KAR13			20	22.50	63.9	0.00	5.60	7.60
KAR13			25	19.53	67.8	0.18	5.40	8.30
KAR13			32	18.54	73.3	0.26	5.20	9.20
KAR13			40	15.86	76.9	0.44	5.00	10.30
KAR13			50	14.89	82.0	0.62	4.70	11.50
KAR13			63	9.93	83.3	0.97	4.30	13.00
KAR13			80	6.19	86.1	1.41	3.70	14.80
KAR13			100	4.00	90.8	2.20	3.00	16.80
KAR13			125	-4.84	89.3	3.35	1.80	18.80
KAR13			160	-12.02	90.6	5.02	0.00	21.10
KAR13			200	-17.12	91.9	7.22	0.00	22.80
KAR14	10 220	10 222						
KAR14			20	21.21	63.9	0.00	5.60	7.60
KAR14			25	18.20	67.8	0.20	5.40	8.30
KAR14			32	17.20	73.3	0.31	5.20	9.20
KAR14			40	14.50	76.9	0.51	5.00	10.30
KAR14			50	13.49	82.0	0.72	4.70	11.50
KAR14			63	8.48	83.3	1.12	4.30	13.00
KAR14			80	4.67	86.1	1.64	3.70	14.80
KAR14			100	2.35	90.8	2.56	3.00	16.80
KAR14			125	-6.68	89.3	3.88	1.80	18.80
KAR14			160	-14.12	90.6	5.83	0.00	21.10
KAR14			200	-19.57	91.9	8.38	0.00	22.80
KAR15	8 442	8 444						
KAR15			20	22.87	63.9	0.00	5.60	7.60
KAR15			25	19.90	67.8	0.17	5.40	8.30
KAR15			32	18.92	73.3	0.25	5.20	9.20
KAR15			40	16.25	76.9	0.42	5.00	10.30
KAR15			50	15.28	82.0	0.59	4.70	11.50
KAR15			63	10.34	83.3	0.93	4.30	13.00
KAR15			80	6.62	86.1	1.35	3.70	14.80
KAR15			100	4.46	90.8	2.11	3.00	16.80
KAR15			125	-4.34	89.3	3.21	1.80	18.80
KAR15			160	-11.44	90.6	4.81	0.00	21.10
KAR15			200	-16.46	91.9	6.92	0.00	22.80
KAR16	10 217	10 219						
KAR16			20	21.21	63.9	0.00	5.60	7.60
KAR16			25	18.21	67.8	0.20	5.40	8.30
KAR16			32	17.20	73.3	0.31	5.20	9.20
KAR16			40	14.50	76.9	0.51	5.00	10.30
KAR16			50	13.50	82.0	0.72	4.70	11.50
KAR16			63	8.49	83.3	1.12	4.30	13.00
KAR16			80	4.68	86.1	1.64	3.70	14.80
KAR16			100	2.36	90.8	2.55	3.00	16.80
KAR16			125	-6.67	89.3	3.88	1.80	18.80
KAR16			160	-14.11	90.6	5.83	0.00	21.10
KAR16			200	-19.57	91.9	8.38	0.00	22.80
KAR17	9 820	9 822						
KAR17			20	21.56	63.9	0.00	5.60	7.60
KAR17			25	18.56	67.8	0.20	5.40	8.30
KAR17			32	17.56	73.3	0.29	5.20	9.20
KAR17			40	14.86	76.9	0.49	5.00	10.30
KAR17			50	13.87	82.0	0.69	4.70	11.50
KAR17			63	8.88	83.3	1.08	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR17			80	5.08	86.1	1.57	3.70	14.80
KAR17			100	2.80	90.8	2.46	3.00	16.80
KAR17			125	-6.18	89.3	3.73	1.80	18.80
KAR17			160	-13.54	90.6	5.60	0.00	21.10
KAR17			200	-18.90	91.9	8.05	0.00	22.80
KAR18	10 862	10 864						
KAR18			20	20.68	63.9	0.00	5.60	7.60
KAR18			25	17.66	67.8	0.22	5.40	8.30
KAR18			32	16.65	73.3	0.33	5.20	9.20
KAR18			40	13.94	76.9	0.54	5.00	10.30
KAR18			50	12.92	82.0	0.76	4.70	11.50
KAR18			63	7.89	83.3	1.20	4.30	13.00
KAR18			80	4.04	86.1	1.74	3.70	14.80
KAR18			100	1.66	90.8	2.72	3.00	16.80
KAR18			125	-7.45	89.3	4.13	1.80	18.80
KAR18			160	-15.01	90.6	6.19	0.00	21.10
KAR18			200	-20.63	91.9	8.91	0.00	22.80
KAR19	8 912	8 914						
KAR19			20	22.40	63.9	0.00	5.60	7.60
KAR19			25	19.42	67.8	0.18	5.40	8.30
KAR19			32	18.43	73.3	0.27	5.20	9.20
KAR19			40	15.75	76.9	0.45	5.00	10.30
KAR19			50	14.77	82.0	0.62	4.70	11.50
KAR19			63	9.82	83.3	0.98	4.30	13.00
KAR19			80	6.07	86.1	1.43	3.70	14.80
KAR19			100	3.87	90.8	2.23	3.00	16.80
KAR19			125	-4.99	89.3	3.39	1.80	18.80
KAR19			160	-12.18	90.6	5.08	0.00	21.10
KAR19			200	-17.31	91.9	7.31	0.00	22.80
KAR20	10 505	10 508						
KAR20			20	20.97	63.9	0.00	5.60	7.60
KAR20			25	17.96	67.8	0.21	5.40	8.30
KAR20			32	16.95	73.3	0.32	5.20	9.20
KAR20			40	14.24	76.9	0.53	5.00	10.30
KAR20			50	13.23	82.0	0.74	4.70	11.50
KAR20			63	8.21	83.3	1.16	4.30	13.00
KAR20			80	4.39	86.1	1.68	3.70	14.80
KAR20			100	2.04	90.8	2.63	3.00	16.80
KAR20			125	-7.02	89.3	3.99	1.80	18.80
KAR20			160	-14.52	90.6	5.99	0.00	21.10
KAR20			200	-20.05	91.9	8.62	0.00	22.80
KAR21	9 964	9 966						
KAR21			20	21.43	63.9	0.00	5.60	7.60
KAR21			25	18.43	67.8	0.20	5.40	8.30
KAR21			32	17.43	73.3	0.30	5.20	9.20
KAR21			40	14.73	76.9	0.50	5.00	10.30
KAR21			50	13.73	82.0	0.70	4.70	11.50
KAR21			63	8.73	83.3	1.10	4.30	13.00
KAR21			80	4.93	86.1	1.59	3.70	14.80
KAR21			100	2.64	90.8	2.49	3.00	16.80
KAR21			125	-6.36	89.3	3.79	1.80	18.80
KAR21			160	-13.75	90.6	5.68	0.00	21.10
KAR21			200	-19.14	91.9	8.17	0.00	22.80
KAR22	9 732	9 735						
KAR22			20	21.63	63.9	0.00	5.60	7.60
KAR22			25	18.64	67.8	0.19	5.40	8.30
KAR22			32	17.64	73.3	0.29	5.20	9.20
KAR22			40	14.95	76.9	0.49	5.00	10.30
KAR22			50	13.95	82.0	0.68	4.70	11.50
KAR22			63	8.96	83.3	1.07	4.30	13.00
KAR22			80	5.18	86.1	1.56	3.70	14.80
KAR22			100	2.90	90.8	2.43	3.00	16.80
KAR22			125	-6.07	89.3	3.70	1.80	18.80
KAR22			160	-13.42	90.6	5.55	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			200	-18.75	91.9	7.98	0.00	22.80
KAR23	10 334	10 336						
KAR23			20	21.11	63.9	0.00	5.60	7.60
KAR23			25	18.11	67.8	0.21	5.40	8.30
KAR23			32	17.10	73.3	0.31	5.20	9.20
KAR23			40	14.40	76.9	0.52	5.00	10.30
KAR23			50	13.39	82.0	0.72	4.70	11.50
KAR23			63	8.38	83.3	1.14	4.30	13.00
KAR23			80	4.56	86.1	1.65	3.70	14.80
KAR23			100	2.23	90.8	2.58	3.00	16.80
KAR23			125	-6.81	89.3	3.93	1.80	18.80
KAR23			160	-14.28	90.6	5.89	0.00	21.10
KAR23			200	-19.76	91.9	8.48	0.00	22.80
KAR24	8 847	8 849						
KAR24			20	22.46	63.9	0.00	5.60	7.60
KAR24			25	19.49	67.8	0.18	5.40	8.30
KAR24			32	18.50	73.3	0.27	5.20	9.20
KAR24			40	15.82	76.9	0.44	5.00	10.30
KAR24			50	14.84	82.0	0.62	4.70	11.50
KAR24			63	9.89	83.3	0.97	4.30	13.00
KAR24			80	6.15	86.1	1.42	3.70	14.80
KAR24			100	3.95	90.8	2.21	3.00	16.80
KAR24			125	-4.90	89.3	3.36	1.80	18.80
KAR24			160	-12.08	90.6	5.04	0.00	21.10
KAR24			200	-17.19	91.9	7.26	0.00	22.80
KAR25	7 551	7 553						
KAR25			20	23.84	63.9	0.00	5.60	7.60
KAR25			25	20.89	67.8	0.15	5.40	8.30
KAR25			32	19.91	73.3	0.23	5.20	9.20
KAR25			40	17.26	76.9	0.38	5.00	10.30
KAR25			50	16.31	82.0	0.53	4.70	11.50
KAR25			63	11.41	83.3	0.83	4.30	13.00
KAR25			80	7.73	86.1	1.21	3.70	14.80
KAR25			100	5.65	90.8	1.89	3.00	16.80
KAR25			125	-3.03	89.3	2.87	1.80	18.80
KAR25			160	-9.97	90.6	4.31	0.00	21.10
KAR25			200	-14.76	91.9	6.19	0.00	22.80
MAA01	4 372	4 375						
MAA01			20	28.58	63.9	0.00	5.60	7.60
MAA01			25	25.69	67.8	0.09	5.40	8.30
MAA01			32	24.75	73.3	0.13	5.20	9.20
MAA01			40	22.16	76.9	0.22	5.00	10.30
MAA01			50	21.27	82.0	0.31	4.70	11.50
MAA01			63	16.50	83.3	0.48	4.30	13.00
MAA01			80	12.98	86.1	0.70	3.70	14.80
MAA01			100	11.19	90.8	1.09	3.00	16.80
MAA01			125	2.92	89.3	1.66	1.80	18.80
MAA01			160	-3.41	90.6	2.49	0.00	21.10
MAA01			200	-7.41	91.9	3.59	0.00	22.80
MAA03	3 615	3 618						
MAA03			20	30.23	63.9	0.00	5.60	7.60
MAA03			25	27.36	67.8	0.07	5.40	8.30
MAA03			32	26.42	73.3	0.11	5.20	9.20
MAA03			40	23.85	76.9	0.18	5.00	10.30
MAA03			50	22.98	82.0	0.25	4.70	11.50
MAA03			63	18.23	83.3	0.40	4.30	13.00
MAA03			80	14.75	86.1	0.58	3.70	14.80
MAA03			100	13.03	90.8	0.90	3.00	16.80
MAA03			125	4.86	89.3	1.37	1.80	18.80
MAA03			160	-1.33	90.6	2.06	0.00	21.10
MAA03			200	-5.14	91.9	2.97	0.00	22.80
MAA04	3 144	3 147						
MAA04			20	31.44	63.9	0.00	5.60	7.60
MAA04			25	28.58	67.8	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA04			32	27.65	73.3	0.09	5.20	9.20
MAA04			40	25.08	76.9	0.16	5.00	10.30
MAA04			50	24.22	82.0	0.22	4.70	11.50
MAA04			63	19.49	83.3	0.35	4.30	13.00
MAA04			80	16.04	86.1	0.50	3.70	14.80
MAA04			100	14.35	90.8	0.79	3.00	16.80
MAA04			125	6.25	89.3	1.20	1.80	18.80
MAA04			160	0.15	90.6	1.79	0.00	21.10
MAA04			200	-3.54	91.9	2.58	0.00	22.80
MAA05	2 886	2 889						
MAA05			20	32.18	63.9	0.00	5.60	7.60
MAA05			25	29.33	67.8	0.06	5.40	8.30
MAA05			32	28.40	73.3	0.09	5.20	9.20
MAA05			40	25.84	76.9	0.14	5.00	10.30
MAA05			50	24.98	82.0	0.20	4.70	11.50
MAA05			63	20.27	83.3	0.32	4.30	13.00
MAA05			80	16.82	86.1	0.46	3.70	14.80
MAA05			100	15.16	90.8	0.72	3.00	16.80
MAA05			125	7.09	89.3	1.10	1.80	18.80
MAA05			160	1.04	90.6	1.65	0.00	21.10
MAA05			200	-2.59	91.9	2.37	0.00	22.80
MAA06	1 750	1 756						
MAA06			20	36.51	63.9	0.00	5.60	7.60
MAA06			25	33.67	67.8	0.04	5.40	8.30
MAA06			32	32.76	73.3	0.05	5.20	9.20
MAA06			40	30.22	76.9	0.09	5.00	10.30
MAA06			50	29.38	82.0	0.12	4.70	11.50
MAA06			63	24.71	83.3	0.19	4.30	13.00
MAA06			80	21.33	86.1	0.28	3.70	14.80
MAA06			100	19.77	90.8	0.44	3.00	16.80
MAA06			125	11.84	89.3	0.67	1.80	18.80
MAA06			160	6.01	90.6	1.00	0.00	21.10
MAA06			200	2.67	91.9	1.44	0.00	22.80
MAA07	1 484	1 492						
MAA07			20	37.92	63.9	0.00	5.60	7.60
MAA07			25	35.09	67.8	0.03	5.40	8.30
MAA07			32	34.18	73.3	0.04	5.20	9.20
MAA07			40	31.65	76.9	0.07	5.00	10.30
MAA07			50	30.82	82.0	0.10	4.70	11.50
MAA07			63	26.16	83.3	0.16	4.30	13.00
MAA07			80	22.78	86.1	0.24	3.70	14.80
MAA07			100	21.25	90.8	0.37	3.00	16.80
MAA07			125	13.36	89.3	0.57	1.80	18.80
MAA07			160	7.57	90.6	0.85	0.00	21.10
MAA07			200	4.30	91.9	1.22	0.00	22.80
MAA08	1 556	1 564						
MAA08			20	37.52	63.9	0.00	5.60	7.60
MAA08			25	34.68	67.8	0.03	5.40	8.30
MAA08			32	33.77	73.3	0.05	5.20	9.20
MAA08			40	31.24	76.9	0.08	5.00	10.30
MAA08			50	30.41	82.0	0.11	4.70	11.50
MAA08			63	25.74	83.3	0.17	4.30	13.00
MAA08			80	22.37	86.1	0.25	3.70	14.80
MAA08			100	20.82	90.8	0.39	3.00	16.80
MAA08			125	12.92	89.3	0.59	1.80	18.80
MAA08			160	7.12	90.6	0.89	0.00	21.10
MAA08			200	3.83	91.9	1.28	0.00	22.80
RAH01	5 287	5 290						
RAH01			20	25.08	62.0	0.00	5.60	7.60
RAH01			25	23.47	67.2	0.11	5.40	8.30
RAH01			32	21.82	72.0	0.16	5.20	9.20
RAH01			40	20.39	76.8	0.26	5.00	10.30
RAH01			50	18.79	81.2	0.37	4.70	11.50
RAH01			63	16.47	85.0	0.58	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH01			80	13.41	88.3	0.85	3.70	14.80
RAH01			100	9.61	91.1	1.32	3.00	16.80
RAH01			125	4.92	93.3	2.01	1.80	18.80
RAH01			160	-1.21	95.0	3.02	0.00	21.10
RAH01			200	-5.61	96.1	4.34	0.00	22.80
RAH02	4 501	4 504						
RAH02			20	26.48	62.0	0.00	5.60	7.60
RAH02			25	24.89	67.2	0.09	5.40	8.30
RAH02			32	23.24	72.0	0.14	5.20	9.20
RAH02			40	21.83	76.8	0.23	5.00	10.30
RAH02			50	20.24	81.2	0.32	4.70	11.50
RAH02			63	17.96	85.0	0.50	4.30	13.00
RAH02			80	14.93	88.3	0.72	3.70	14.80
RAH02			100	11.20	91.1	1.13	3.00	16.80
RAH02			125	6.62	93.3	1.71	1.80	18.80
RAH02			160	0.64	95.0	2.57	0.00	21.10
RAH02			200	-3.56	96.1	3.69	0.00	22.80
RAH03	4 795	4 797						
RAH03			20	25.93	62.0	0.00	5.60	7.60
RAH03			25	24.33	67.2	0.10	5.40	8.30
RAH03			32	22.68	72.0	0.14	5.20	9.20
RAH03			40	21.26	76.8	0.24	5.00	10.30
RAH03			50	19.67	81.2	0.34	4.70	11.50
RAH03			63	17.38	85.0	0.53	4.30	13.00
RAH03			80	14.34	88.3	0.77	3.70	14.80
RAH03			100	10.58	91.1	1.20	3.00	16.80
RAH03			125	5.96	93.3	1.82	1.80	18.80
RAH03			160	-0.08	95.0	2.73	0.00	21.10
RAH03			200	-4.35	96.1	3.93	0.00	22.80
RAH04	3 824	3 828						
RAH04			20	27.89	62.0	0.00	5.60	7.60
RAH04			25	26.31	67.2	0.08	5.40	8.30
RAH04			32	24.68	72.0	0.11	5.20	9.20
RAH04			40	23.27	76.8	0.19	5.00	10.30
RAH04			50	21.70	81.2	0.27	4.70	11.50
RAH04			63	19.44	85.0	0.42	4.30	13.00
RAH04			80	16.45	88.3	0.61	3.70	14.80
RAH04			100	12.78	91.1	0.96	3.00	16.80
RAH04			125	8.29	93.3	1.45	1.80	18.80
RAH04			160	2.44	95.0	2.18	0.00	21.10
RAH04			200	-1.60	96.1	3.14	0.00	22.80
RAH05	3 817	3 820						
RAH05			20	27.91	62.0	0.00	5.60	7.60
RAH05			25	26.33	67.2	0.08	5.40	8.30
RAH05			32	24.69	72.0	0.11	5.20	9.20
RAH05			40	23.29	76.8	0.19	5.00	10.30
RAH05			50	21.71	81.2	0.27	4.70	11.50
RAH05			63	19.46	85.0	0.42	4.30	13.00
RAH05			80	16.47	88.3	0.61	3.70	14.80
RAH05			100	12.80	91.1	0.96	3.00	16.80
RAH05			125	8.31	93.3	1.45	1.80	18.80
RAH05			160	2.46	95.0	2.18	0.00	21.10
RAH05			200	-1.58	96.1	3.13	0.00	22.80
RAH06	3 086	3 090						
RAH06			20	29.75	62.0	0.00	5.60	7.60
RAH06			25	28.19	67.2	0.06	5.40	8.30
RAH06			32	26.56	72.0	0.09	5.20	9.20
RAH06			40	25.17	76.8	0.15	5.00	10.30
RAH06			50	23.61	81.2	0.22	4.70	11.50
RAH06			63	21.38	85.0	0.34	4.30	13.00
RAH06			80	18.43	88.3	0.49	3.70	14.80
RAH06			100	14.83	91.1	0.77	3.00	16.80
RAH06			125	10.43	93.3	1.17	1.80	18.80
RAH06			160	4.71	95.0	1.76	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			200	0.87	96.1	2.53	0.00	22.80
RAH07	2 420	2 425						
RAH07			20	31.85	62.0	0.00	5.60	7.60
RAH07			25	30.30	67.2	0.05	5.40	8.30
RAH07			32	28.68	72.0	0.07	5.20	9.20
RAH07			40	27.31	76.8	0.12	5.00	10.30
RAH07			50	25.76	81.2	0.17	4.70	11.50
RAH07			63	23.56	85.0	0.27	4.30	13.00
RAH07			80	20.64	88.3	0.39	3.70	14.80
RAH07			100	17.10	91.1	0.61	3.00	16.80
RAH07			125	12.78	93.3	0.92	1.80	18.80
RAH07			160	7.20	95.0	1.38	0.00	21.10
RAH07			200	3.52	96.1	1.99	0.00	22.80
RAH08	3 180	3 184						
RAH08			20	29.49	62.0	0.00	5.60	7.60
RAH08			25	27.93	67.2	0.06	5.40	8.30
RAH08			32	26.29	72.0	0.10	5.20	9.20
RAH08			40	24.91	76.8	0.16	5.00	10.30
RAH08			50	23.34	81.2	0.22	4.70	11.50
RAH08			63	21.12	85.0	0.35	4.30	13.00
RAH08			80	18.16	88.3	0.51	3.70	14.80
RAH08			100	14.55	91.1	0.80	3.00	16.80
RAH08			125	10.13	93.3	1.21	1.80	18.80
RAH08			160	4.40	95.0	1.81	0.00	21.10
RAH08			200	0.53	96.1	2.61	0.00	22.80
RAH09	2 901	2 906						
RAH09			20	30.28	62.0	0.00	5.60	7.60
RAH09			25	28.73	67.2	0.06	5.40	8.30
RAH09			32	27.10	72.0	0.09	5.20	9.20
RAH09			40	25.71	76.8	0.15	5.00	10.30
RAH09			50	24.16	81.2	0.20	4.70	11.50
RAH09			63	21.94	85.0	0.32	4.30	13.00
RAH09			80	18.99	88.3	0.46	3.70	14.80
RAH09			100	15.41	91.1	0.73	3.00	16.80
RAH09			125	11.03	93.3	1.10	1.80	18.80
RAH09			160	5.36	95.0	1.66	0.00	21.10
RAH09			200	1.55	96.1	2.38	0.00	22.80
RAH10	3 702	3 705						
RAH10			20	28.17	62.0	0.00	5.60	7.60
RAH10			25	26.60	67.2	0.07	5.40	8.30
RAH10			32	24.96	72.0	0.11	5.20	9.20
RAH10			40	23.56	76.8	0.19	5.00	10.30
RAH10			50	21.99	81.2	0.26	4.70	11.50
RAH10			63	19.74	85.0	0.41	4.30	13.00
RAH10			80	16.75	88.3	0.59	3.70	14.80
RAH10			100	13.10	91.1	0.93	3.00	16.80
RAH10			125	8.62	93.3	1.41	1.80	18.80
RAH10			160	2.79	95.0	2.11	0.00	21.10
RAH10			200	-1.22	96.1	3.04	0.00	22.80
RAH11	5 879	5 881						
RAH11			20	24.16	62.0	0.00	5.60	7.60
RAH11			25	22.54	67.2	0.12	5.40	8.30
RAH11			32	20.88	72.0	0.18	5.20	9.20
RAH11			40	19.44	76.8	0.29	5.00	10.30
RAH11			50	17.82	81.2	0.41	4.70	11.50
RAH11			63	15.49	85.0	0.65	4.30	13.00
RAH11			80	12.39	88.3	0.94	3.70	14.80
RAH11			100	8.54	91.1	1.47	3.00	16.80
RAH11			125	3.78	93.3	2.23	1.80	18.80
RAH11			160	-2.47	95.0	3.35	0.00	21.10
RAH11			200	-7.01	96.1	4.82	0.00	22.80
RAH12	6 401	6 403						
RAH12			20	23.42	62.0	0.00	5.60	7.60
RAH12			25	21.79	67.2	0.13	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH12			32	20.13	72.0	0.19	5.20	9.20
RAH12			40	18.68	76.8	0.32	5.00	10.30
RAH12			50	17.05	81.2	0.45	4.70	11.50
RAH12			63	14.69	85.0	0.70	4.30	13.00
RAH12			80	11.57	88.3	1.02	3.70	14.80
RAH12			100	7.67	91.1	1.60	3.00	16.80
RAH12			125	2.84	93.3	2.43	1.80	18.80
RAH12			160	-3.50	95.0	3.65	0.00	21.10
RAH12			200	-8.18	96.1	5.25	0.00	22.80
RAH13	6 979	6 981						
RAH13			20	22.67	62.0	0.00	5.60	7.60
RAH13			25	21.03	67.2	0.14	5.40	8.30
RAH13			32	19.36	72.0	0.21	5.20	9.20
RAH13			40	17.90	76.8	0.35	5.00	10.30
RAH13			50	16.26	81.2	0.49	4.70	11.50
RAH13			63	13.88	85.0	0.77	4.30	13.00
RAH13			80	10.73	88.3	1.12	3.70	14.80
RAH13			100	6.78	91.1	1.75	3.00	16.80
RAH13			125	1.87	93.3	2.65	1.80	18.80
RAH13			160	-4.58	95.0	3.98	0.00	21.10
RAH13			200	-9.40	96.1	5.72	0.00	22.80
RAH14	6 571	6 573						
RAH14			20	23.19	62.0	0.00	5.60	7.60
RAH14			25	21.56	67.2	0.13	5.40	8.30
RAH14			32	19.90	72.0	0.20	5.20	9.20
RAH14			40	18.44	76.8	0.33	5.00	10.30
RAH14			50	16.81	81.2	0.46	4.70	11.50
RAH14			63	14.45	85.0	0.72	4.30	13.00
RAH14			80	11.32	88.3	1.05	3.70	14.80
RAH14			100	7.40	91.1	1.64	3.00	16.80
RAH14			125	2.55	93.3	2.50	1.80	18.80
RAH14			160	-3.83	95.0	3.75	0.00	21.10
RAH14			200	-8.55	96.1	5.39	0.00	22.80
RAH15	7 795	7 797						
RAH15			20	21.71	62.0	0.00	5.60	7.60
RAH15			25	20.05	67.2	0.16	5.40	8.30
RAH15			32	18.38	72.0	0.23	5.20	9.20
RAH15			40	16.90	76.8	0.39	5.00	10.30
RAH15			50	15.24	81.2	0.55	4.70	11.50
RAH15			63	12.83	85.0	0.86	4.30	13.00
RAH15			80	9.64	88.3	1.25	3.70	14.80
RAH15			100	5.61	91.1	1.95	3.00	16.80
RAH15			125	0.60	93.3	2.96	1.80	18.80
RAH15			160	-6.01	95.0	4.44	0.00	21.10
RAH15			200	-11.03	96.1	6.39	0.00	22.80
RAH16	7 910	7 912						
RAH16			20	21.58	62.0	0.00	5.60	7.60
RAH16			25	19.92	67.2	0.16	5.40	8.30
RAH16			32	18.25	72.0	0.24	5.20	9.20
RAH16			40	16.76	76.8	0.40	5.00	10.30
RAH16			50	15.10	81.2	0.55	4.70	11.50
RAH16			63	12.69	85.0	0.87	4.30	13.00
RAH16			80	9.49	88.3	1.27	3.70	14.80
RAH16			100	5.46	91.1	1.98	3.00	16.80
RAH16			125	0.43	93.3	3.01	1.80	18.80
RAH16			160	-6.20	95.0	4.51	0.00	21.10
RAH16			200	-11.25	96.1	6.49	0.00	22.80
RAH17	7 520	7 522						
RAH17			20	22.02	62.0	0.00	5.60	7.60
RAH17			25	20.37	67.2	0.15	5.40	8.30
RAH17			32	18.70	72.0	0.23	5.20	9.20
RAH17			40	17.22	76.8	0.38	5.00	10.30
RAH17			50	15.57	81.2	0.53	4.70	11.50
RAH17			63	13.17	85.0	0.83	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH17			80	9.99	88.3	1.20	3.70	14.80
RAH17			100	5.99	91.1	1.88	3.00	16.80
RAH17			125	1.01	93.3	2.86	1.80	18.80
RAH17			160	-5.54	95.0	4.29	0.00	21.10
RAH17			200	-10.50	96.1	6.17	0.00	22.80
RAH18	7 904	7 906						
RAH18			20	21.59	62.0	0.00	5.60	7.60
RAH18			25	19.93	67.2	0.16	5.40	8.30
RAH18			32	18.25	72.0	0.24	5.20	9.20
RAH18			40	16.77	76.8	0.40	5.00	10.30
RAH18			50	15.11	81.2	0.55	4.70	11.50
RAH18			63	12.70	85.0	0.87	4.30	13.00
RAH18			80	9.50	88.3	1.26	3.70	14.80
RAH18			100	5.46	91.1	1.98	3.00	16.80
RAH18			125	0.44	93.3	3.00	1.80	18.80
RAH18			160	-6.19	95.0	4.51	0.00	21.10
RAH18			200	-11.24	96.1	6.48	0.00	22.80
RAH19	8 325	8 327						
RAH19			20	21.14	62.0	0.00	5.60	7.60
RAH19			25	19.47	67.2	0.17	5.40	8.30
RAH19			32	17.79	72.0	0.25	5.20	9.20
RAH19			40	16.30	76.8	0.42	5.00	10.30
RAH19			50	14.63	81.2	0.58	4.70	11.50
RAH19			63	12.20	85.0	0.92	4.30	13.00
RAH19			80	8.98	88.3	1.33	3.70	14.80
RAH19			100	4.91	91.1	2.08	3.00	16.80
RAH19			125	-0.17	93.3	3.16	1.80	18.80
RAH19			160	-6.88	95.0	4.75	0.00	21.10
RAH19			200	-12.04	96.1	6.83	0.00	22.80
SIL01	13 980	13 982						
SIL01			20	17.91	63.3	0.00	5.60	7.60
SIL01			25	16.03	68.4	0.28	5.40	8.30
SIL01			32	10.00	68.9	0.42	5.20	9.20
SIL01			40	6.81	72.1	0.70	5.00	10.30
SIL01			50	5.33	76.8	0.98	4.70	11.50
SIL01			63	1.86	79.8	1.54	4.30	13.00
SIL01			80	-2.14	82.6	2.24	3.70	14.80
SIL01			100	-6.08	86.0	3.50	3.00	16.80
SIL01			125	-10.84	89.3	5.31	1.80	18.80
SIL01			160	-21.40	88.2	7.97	0.00	21.10
SIL01			200	-27.29	90.0	11.46	0.00	22.80
SIL02	13 620	13 621						
SIL02			20	18.14	63.3	0.00	5.60	7.60
SIL02			25	16.26	68.4	0.27	5.40	8.30
SIL02			32	10.24	68.9	0.41	5.20	9.20
SIL02			40	7.06	72.1	0.68	5.00	10.30
SIL02			50	5.59	76.8	0.95	4.70	11.50
SIL02			63	2.12	79.8	1.50	4.30	13.00
SIL02			80	-1.85	82.6	2.18	3.70	14.80
SIL02			100	-5.76	86.0	3.41	3.00	16.80
SIL02			125	-10.47	89.3	5.18	1.80	18.80
SIL02			160	-20.97	88.2	7.76	0.00	21.10
SIL02			200	-26.76	90.0	11.17	0.00	22.80
SIL03	13 086	13 087						
SIL03			20	18.49	63.3	0.00	5.60	7.60
SIL03			25	16.62	68.4	0.26	5.40	8.30
SIL03			32	10.60	68.9	0.39	5.20	9.20
SIL03			40	7.43	72.1	0.65	5.00	10.30
SIL03			50	5.97	76.8	0.92	4.70	11.50
SIL03			63	2.53	79.8	1.44	4.30	13.00
SIL03			80	-1.42	82.6	2.09	3.70	14.80
SIL03			100	-5.28	86.0	3.27	3.00	16.80
SIL03			125	-9.92	89.3	4.97	1.80	18.80
SIL03			160	-20.31	88.2	7.46	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			200	-25.98	90.0	10.73	0.00	22.80
SIL04	12 970	12 971						
SIL04			20	18.56	63.3	0.00	5.60	7.60
SIL04			25	16.70	68.4	0.26	5.40	8.30
SIL04			32	10.68	68.9	0.39	5.20	9.20
SIL04			40	7.52	72.1	0.65	5.00	10.30
SIL04			50	6.06	76.8	0.91	4.70	11.50
SIL04			63	2.62	79.8	1.43	4.30	13.00
SIL04			80	-1.32	82.6	2.08	3.70	14.80
SIL04			100	-5.17	86.0	3.24	3.00	16.80
SIL04			125	-9.80	89.3	4.93	1.80	18.80
SIL04			160	-20.17	88.2	7.39	0.00	21.10
SIL04			200	-25.81	90.0	10.64	0.00	22.80
SIL05	13 601	13 602						
SIL05			20	18.15	63.3	0.00	5.60	7.60
SIL05			25	16.27	68.4	0.27	5.40	8.30
SIL05			32	10.25	68.9	0.41	5.20	9.20
SIL05			40	7.07	72.1	0.68	5.00	10.30
SIL05			50	5.60	76.8	0.95	4.70	11.50
SIL05			63	2.14	79.8	1.50	4.30	13.00
SIL05			80	-1.84	82.6	2.18	3.70	14.80
SIL05			100	-5.74	86.0	3.40	3.00	16.80
SIL05			125	-10.45	89.3	5.17	1.80	18.80
SIL05			160	-20.94	88.2	7.75	0.00	21.10
SIL05			200	-26.74	90.0	11.15	0.00	22.80
SIL06	13 347	13 348						
SIL06			20	18.31	63.3	0.00	5.60	7.60
SIL06			25	16.44	68.4	0.27	5.40	8.30
SIL06			32	10.42	68.9	0.40	5.20	9.20
SIL06			40	7.25	72.1	0.67	5.00	10.30
SIL06			50	5.78	76.8	0.93	4.70	11.50
SIL06			63	2.33	79.8	1.47	4.30	13.00
SIL06			80	-1.63	82.6	2.14	3.70	14.80
SIL06			100	-5.52	86.0	3.34	3.00	16.80
SIL06			125	-10.19	89.3	5.07	1.80	18.80
SIL06			160	-20.63	88.2	7.61	0.00	21.10
SIL06			200	-26.37	90.0	10.95	0.00	22.80
SIL07	12 762	12 763						
SIL07			20	18.70	63.3	0.00	5.60	7.60
SIL07			25	16.84	68.4	0.26	5.40	8.30
SIL07			32	10.83	68.9	0.38	5.20	9.20
SIL07			40	7.67	72.1	0.64	5.00	10.30
SIL07			50	6.21	76.8	0.89	4.70	11.50
SIL07			63	2.78	79.8	1.40	4.30	13.00
SIL07			80	-1.15	82.6	2.04	3.70	14.80
SIL07			100	-4.98	86.0	3.19	3.00	16.80
SIL07			125	-9.58	89.3	4.85	1.80	18.80
SIL07			160	-19.91	88.2	7.28	0.00	21.10
SIL07			200	-25.50	90.0	10.47	0.00	22.80
SIL08	12 977	12 978						
SIL08			20	18.56	63.3	0.00	5.60	7.60
SIL08			25	16.69	68.4	0.26	5.40	8.30
SIL08			32	10.68	68.9	0.39	5.20	9.20
SIL08			40	7.51	72.1	0.65	5.00	10.30
SIL08			50	6.05	76.8	0.91	4.70	11.50
SIL08			63	2.61	79.8	1.43	4.30	13.00
SIL08			80	-1.33	82.6	2.08	3.70	14.80
SIL08			100	-5.18	86.0	3.24	3.00	16.80
SIL08			125	-9.81	89.3	4.93	1.80	18.80
SIL08			160	-20.18	88.2	7.40	0.00	21.10
SIL08			200	-25.82	90.0	10.64	0.00	22.80
Sum								
Sum			20	45.44				
Sum			25	42.97				

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
Sum			32	41.77				
Sum			40	39.57				
Sum			50	38.47				
Sum			63	34.67				
Sum			80	31.43				
Sum			100	28.93				
Sum			125	22.51				
Sum			160	16.59				
Sum			200	12.82				

Noise sensitive area: M Noise sensitive point: Finnish normal frequency - User defined (42)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 197	4 201						
KAR01			20	28.93	63.9	0.00	5.60	7.60
KAR01			25	26.05	67.8	0.08	5.40	8.30
KAR01			32	25.11	73.3	0.13	5.20	9.20
KAR01			40	22.52	76.9	0.21	5.00	10.30
KAR01			50	21.64	82.0	0.29	4.70	11.50
KAR01			63	16.87	83.3	0.46	4.30	13.00
KAR01			80	13.36	86.1	0.67	3.70	14.80
KAR01			100	11.58	90.8	1.05	3.00	16.80
KAR01			125	3.34	89.3	1.60	1.80	18.80
KAR01			160	-2.96	90.6	2.39	0.00	21.10
KAR01			200	-6.91	91.9	3.44	0.00	22.80
KAR02	4 288	4 292						
KAR02			20	28.75	63.9	0.00	5.60	7.60
KAR02			25	25.86	67.8	0.09	5.40	8.30
KAR02			32	24.92	73.3	0.13	5.20	9.20
KAR02			40	22.33	76.9	0.21	5.00	10.30
KAR02			50	21.45	82.0	0.30	4.70	11.50
KAR02			63	16.67	83.3	0.47	4.30	13.00
KAR02			80	13.16	86.1	0.69	3.70	14.80
KAR02			100	11.37	90.8	1.07	3.00	16.80
KAR02			125	3.12	89.3	1.63	1.80	18.80
KAR02			160	-3.20	90.6	2.45	0.00	21.10
KAR02			200	-7.17	91.9	3.52	0.00	22.80
KAR03	4 550	4 554						
KAR03			20	28.23	63.9	0.00	5.60	7.60
KAR03			25	25.34	67.8	0.09	5.40	8.30
KAR03			32	24.40	73.3	0.14	5.20	9.20
KAR03			40	21.80	76.9	0.23	5.00	10.30
KAR03			50	20.91	82.0	0.32	4.70	11.50
KAR03			63	16.13	83.3	0.50	4.30	13.00
KAR03			80	12.60	86.1	0.73	3.70	14.80
KAR03			100	10.79	90.8	1.14	3.00	16.80
KAR03			125	2.50	89.3	1.73	1.80	18.80
KAR03			160	-3.86	90.6	2.60	0.00	21.10
KAR03			200	-7.90	91.9	3.73	0.00	22.80
KAR04	5 028	5 031						
KAR04			20	27.37	63.9	0.00	5.60	7.60
KAR04			25	24.47	67.8	0.10	5.40	8.30
KAR04			32	23.52	73.3	0.15	5.20	9.20
KAR04			40	20.91	76.9	0.25	5.00	10.30
KAR04			50	20.01	82.0	0.35	4.70	11.50
KAR04			63	15.21	83.3	0.55	4.30	13.00
KAR04			80	11.66	86.1	0.81	3.70	14.80
KAR04			100	9.81	90.8	1.26	3.00	16.80
KAR04			125	1.45	89.3	1.91	1.80	18.80
KAR04			160	-5.00	90.6	2.87	0.00	21.10
KAR04			200	-9.16	91.9	4.13	0.00	22.80
KAR05	5 512	5 515						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR05			20	26.57	63.9	0.00	5.60	7.60
KAR05			25	23.66	67.8	0.11	5.40	8.30
KAR05			32	22.70	73.3	0.17	5.20	9.20
KAR05			40	20.09	76.9	0.28	5.00	10.30
KAR05			50	19.18	82.0	0.39	4.70	11.50
KAR05			63	14.36	83.3	0.61	4.30	13.00
KAR05			80	10.79	86.1	0.88	3.70	14.80
KAR05			100	8.89	90.8	1.38	3.00	16.80
KAR05			125	0.47	89.3	2.10	1.80	18.80
KAR05			160	-6.07	90.6	3.14	0.00	21.10
KAR05			200	-10.35	91.9	4.52	0.00	22.80
KAR06	5 158	5 162						
KAR06			20	27.14	63.9	0.00	5.60	7.60
KAR06			25	24.24	67.8	0.10	5.40	8.30
KAR06			32	23.29	73.3	0.15	5.20	9.20
KAR06			40	20.69	76.9	0.26	5.00	10.30
KAR06			50	19.78	82.0	0.36	4.70	11.50
KAR06			63	14.98	83.3	0.57	4.30	13.00
KAR06			80	11.42	86.1	0.83	3.70	14.80
KAR06			100	9.55	90.8	1.29	3.00	16.80
KAR06			125	1.18	89.3	1.96	1.80	18.80
KAR06			160	-5.30	90.6	2.94	0.00	21.10
KAR06			200	-9.49	91.9	4.23	0.00	22.80
KAR07	5 138	5 141						
KAR07			20	27.18	63.9	0.00	5.60	7.60
KAR07			25	24.28	67.8	0.10	5.40	8.30
KAR07			32	23.32	73.3	0.15	5.20	9.20
KAR07			40	20.72	76.9	0.26	5.00	10.30
KAR07			50	19.82	82.0	0.36	4.70	11.50
KAR07			63	15.01	83.3	0.57	4.30	13.00
KAR07			80	11.46	86.1	0.82	3.70	14.80
KAR07			100	9.59	90.8	1.29	3.00	16.80
KAR07			125	1.23	89.3	1.95	1.80	18.80
KAR07			160	-5.25	90.6	2.93	0.00	21.10
KAR07			200	-9.44	91.9	4.22	0.00	22.80
KAR08	5 297	5 300						
KAR08			20	26.91	63.9	0.00	5.60	7.60
KAR08			25	24.01	67.8	0.11	5.40	8.30
KAR08			32	23.06	73.3	0.16	5.20	9.20
KAR08			40	20.45	76.9	0.27	5.00	10.30
KAR08			50	19.54	82.0	0.37	4.70	11.50
KAR08			63	14.73	83.3	0.58	4.30	13.00
KAR08			80	11.17	86.1	0.85	3.70	14.80
KAR08			100	9.29	90.8	1.33	3.00	16.80
KAR08			125	0.90	89.3	2.01	1.80	18.80
KAR08			160	-5.61	90.6	3.02	0.00	21.10
KAR08			200	-9.83	91.9	4.35	0.00	22.80
KAR09	6 038	6 041						
KAR09			20	25.78	63.9	0.00	5.60	7.60
KAR09			25	22.86	67.8	0.12	5.40	8.30
KAR09			32	21.90	73.3	0.18	5.20	9.20
KAR09			40	19.28	76.9	0.30	5.00	10.30
KAR09			50	18.35	82.0	0.42	4.70	11.50
KAR09			63	13.51	83.3	0.66	4.30	13.00
KAR09			80	9.91	86.1	0.97	3.70	14.80
KAR09			100	7.97	90.8	1.51	3.00	16.80
KAR09			125	-0.52	89.3	2.30	1.80	18.80
KAR09			160	-7.17	90.6	3.44	0.00	21.10
KAR09			200	-11.58	91.9	4.95	0.00	22.80
KAR10	5 799	5 802						
KAR10			20	26.13	63.9	0.00	5.60	7.60
KAR10			25	23.21	67.8	0.12	5.40	8.30
KAR10			32	22.25	73.3	0.17	5.20	9.20
KAR10			40	19.64	76.9	0.29	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR10			50	18.72	82.0	0.41	4.70	11.50
KAR10			63	13.89	83.3	0.64	4.30	13.00
KAR10			80	10.30	86.1	0.93	3.70	14.80
KAR10			100	8.38	90.8	1.45	3.00	16.80
KAR10			125	-0.08	89.3	2.20	1.80	18.80
KAR10			160	-6.68	90.6	3.31	0.00	21.10
KAR10			200	-11.03	91.9	4.76	0.00	22.80
KAR11	5 747	5 750						
KAR11			20	26.21	63.9	0.00	5.60	7.60
KAR11			25	23.29	67.8	0.11	5.40	8.30
KAR11			32	22.33	73.3	0.17	5.20	9.20
KAR11			40	19.72	76.9	0.29	5.00	10.30
KAR11			50	18.80	82.0	0.40	4.70	11.50
KAR11			63	13.97	83.3	0.63	4.30	13.00
KAR11			80	10.39	86.1	0.92	3.70	14.80
KAR11			100	8.47	90.8	1.44	3.00	16.80
KAR11			125	0.02	89.3	2.18	1.80	18.80
KAR11			160	-6.57	90.6	3.28	0.00	21.10
KAR11			200	-10.91	91.9	4.71	0.00	22.80
KAR12	6 370	6 373						
KAR12			20	25.31	63.9	0.00	5.60	7.60
KAR12			25	22.39	67.8	0.13	5.40	8.30
KAR12			32	21.42	73.3	0.19	5.20	9.20
KAR12			40	18.80	76.9	0.32	5.00	10.30
KAR12			50	17.87	82.0	0.45	4.70	11.50
KAR12			63	13.01	83.3	0.70	4.30	13.00
KAR12			80	9.39	86.1	1.02	3.70	14.80
KAR12			100	7.42	90.8	1.59	3.00	16.80
KAR12			125	-1.11	89.3	2.42	1.80	18.80
KAR12			160	-7.82	90.6	3.63	0.00	21.10
KAR12			200	-12.31	91.9	5.23	0.00	22.80
KAR13	6 177	6 180						
KAR13			20	25.58	63.9	0.00	5.60	7.60
KAR13			25	22.66	67.8	0.12	5.40	8.30
KAR13			32	21.69	73.3	0.19	5.20	9.20
KAR13			40	19.07	76.9	0.31	5.00	10.30
KAR13			50	18.15	82.0	0.43	4.70	11.50
KAR13			63	13.30	83.3	0.68	4.30	13.00
KAR13			80	9.69	86.1	0.99	3.70	14.80
KAR13			100	7.73	90.8	1.55	3.00	16.80
KAR13			125	-0.77	89.3	2.35	1.80	18.80
KAR13			160	-7.44	90.6	3.52	0.00	21.10
KAR13			200	-11.89	91.9	5.07	0.00	22.80
KAR14	6 713	6 716						
KAR14			20	24.86	63.9	0.00	5.60	7.60
KAR14			25	21.92	67.8	0.13	5.40	8.30
KAR14			32	20.96	73.3	0.20	5.20	9.20
KAR14			40	18.32	76.9	0.34	5.00	10.30
KAR14			50	17.39	82.0	0.47	4.70	11.50
KAR14			63	12.52	83.3	0.74	4.30	13.00
KAR14			80	8.88	86.1	1.07	3.70	14.80
KAR14			100	6.88	90.8	1.68	3.00	16.80
KAR14			125	-1.69	89.3	2.55	1.80	18.80
KAR14			160	-8.47	90.6	3.83	0.00	21.10
KAR14			200	-13.05	91.9	5.51	0.00	22.80
KAR15	6 237	6 239						
KAR15			20	25.50	63.9	0.00	5.60	7.60
KAR15			25	22.57	67.8	0.12	5.40	8.30
KAR15			32	21.61	73.3	0.19	5.20	9.20
KAR15			40	18.99	76.9	0.31	5.00	10.30
KAR15			50	18.06	82.0	0.44	4.70	11.50
KAR15			63	13.21	83.3	0.69	4.30	13.00
KAR15			80	9.60	86.1	1.00	3.70	14.80
KAR15			100	7.64	90.8	1.56	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			125	-0.87	89.3	2.37	1.80	18.80
KAR15			160	-7.56	90.6	3.56	0.00	21.10
KAR15			200	-12.02	91.9	5.12	0.00	22.80
KAR16	7 067	7 069						
KAR16			20	24.41	63.9	0.00	5.60	7.60
KAR16			25	21.47	67.8	0.14	5.40	8.30
KAR16			32	20.50	73.3	0.21	5.20	9.20
KAR16			40	17.86	76.9	0.35	5.00	10.30
KAR16			50	16.92	82.0	0.49	4.70	11.50
KAR16			63	12.03	83.3	0.78	4.30	13.00
KAR16			80	8.38	86.1	1.13	3.70	14.80
KAR16			100	6.35	90.8	1.77	3.00	16.80
KAR16			125	-2.27	89.3	2.69	1.80	18.80
KAR16			160	-9.12	90.6	4.03	0.00	21.10
KAR16			200	-13.78	91.9	5.80	0.00	22.80
KAR17	7 035	7 037						
KAR17			20	24.45	63.9	0.00	5.60	7.60
KAR17			25	21.51	67.8	0.14	5.40	8.30
KAR17			32	20.54	73.3	0.21	5.20	9.20
KAR17			40	17.90	76.9	0.35	5.00	10.30
KAR17			50	16.96	82.0	0.49	4.70	11.50
KAR17			63	12.08	83.3	0.77	4.30	13.00
KAR17			80	8.43	86.1	1.13	3.70	14.80
KAR17			100	6.39	90.8	1.76	3.00	16.80
KAR17			125	-2.22	89.3	2.67	1.80	18.80
KAR17			160	-9.06	90.6	4.01	0.00	21.10
KAR17			200	-13.72	91.9	5.77	0.00	22.80
KAR18	7 450	7 452						
KAR18			20	23.95	63.9	0.00	5.60	7.60
KAR18			25	21.01	67.8	0.15	5.40	8.30
KAR18			32	20.03	73.3	0.22	5.20	9.20
KAR18			40	17.38	76.9	0.37	5.00	10.30
KAR18			50	16.43	82.0	0.52	4.70	11.50
KAR18			63	11.53	83.3	0.82	4.30	13.00
KAR18			80	7.86	86.1	1.19	3.70	14.80
KAR18			100	5.79	90.8	1.86	3.00	16.80
KAR18			125	-2.88	89.3	2.83	1.80	18.80
KAR18			160	-9.79	90.6	4.25	0.00	21.10
KAR18			200	-14.56	91.9	6.11	0.00	22.80
KAR19	7 007	7 010						
KAR19			20	24.49	63.9	0.00	5.60	7.60
KAR19			25	21.55	67.8	0.14	5.40	8.30
KAR19			32	20.58	73.3	0.21	5.20	9.20
KAR19			40	17.94	76.9	0.35	5.00	10.30
KAR19			50	17.00	82.0	0.49	4.70	11.50
KAR19			63	12.11	83.3	0.77	4.30	13.00
KAR19			80	8.46	86.1	1.12	3.70	14.80
KAR19			100	6.43	90.8	1.75	3.00	16.80
KAR19			125	-2.18	89.3	2.66	1.80	18.80
KAR19			160	-9.01	90.6	4.00	0.00	21.10
KAR19			200	-13.66	91.9	5.75	0.00	22.80
KAR20	7 635	7 638						
KAR20			20	23.74	63.9	0.00	5.60	7.60
KAR20			25	20.79	67.8	0.15	5.40	8.30
KAR20			32	19.81	73.3	0.23	5.20	9.20
KAR20			40	17.16	76.9	0.38	5.00	10.30
KAR20			50	16.21	82.0	0.53	4.70	11.50
KAR20			63	11.30	83.3	0.84	4.30	13.00
KAR20			80	7.62	86.1	1.22	3.70	14.80
KAR20			100	5.53	90.8	1.91	3.00	16.80
KAR20			125	-3.16	89.3	2.90	1.80	18.80
KAR20			160	-10.11	90.6	4.35	0.00	21.10
KAR20			200	-14.92	91.9	6.26	0.00	22.80
KAR21	7 509	7 512						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR21			20	23.89	63.9	0.00	5.60	7.60
KAR21			25	20.94	67.8	0.15	5.40	8.30
KAR21			32	19.96	73.3	0.23	5.20	9.20
KAR21			40	17.31	76.9	0.38	5.00	10.30
KAR21			50	16.36	82.0	0.53	4.70	11.50
KAR21			63	11.46	83.3	0.83	4.30	13.00
KAR21			80	7.78	86.1	1.20	3.70	14.80
KAR21			100	5.71	90.8	1.88	3.00	16.80
KAR21			125	-2.97	89.3	2.85	1.80	18.80
KAR21			160	-9.90	90.6	4.28	0.00	21.10
KAR21			200	-14.67	91.9	6.16	0.00	22.80
KAR22	7 625	7 627						
KAR22			20	23.75	63.9	0.00	5.60	7.60
KAR22			25	20.80	67.8	0.15	5.40	8.30
KAR22			32	19.82	73.3	0.23	5.20	9.20
KAR22			40	17.17	76.9	0.38	5.00	10.30
KAR22			50	16.22	82.0	0.53	4.70	11.50
KAR22			63	11.31	83.3	0.84	4.30	13.00
KAR22			80	7.63	86.1	1.22	3.70	14.80
KAR22			100	5.55	90.8	1.91	3.00	16.80
KAR22			125	-3.15	89.3	2.90	1.80	18.80
KAR22			160	-10.09	90.6	4.35	0.00	21.10
KAR22			200	-14.90	91.9	6.25	0.00	22.80
KAR23	8 163	8 165						
KAR23			20	23.16	63.9	0.00	5.60	7.60
KAR23			25	20.20	67.8	0.16	5.40	8.30
KAR23			32	19.22	73.3	0.24	5.20	9.20
KAR23			40	16.55	76.9	0.41	5.00	10.30
KAR23			50	15.59	82.0	0.57	4.70	11.50
KAR23			63	10.66	83.3	0.90	4.30	13.00
KAR23			80	6.95	86.1	1.31	3.70	14.80
KAR23			100	4.82	90.8	2.04	3.00	16.80
KAR23			125	-3.94	89.3	3.10	1.80	18.80
KAR23			160	-10.99	90.6	4.65	0.00	21.10
KAR23			200	-15.93	91.9	6.70	0.00	22.80
KAR24	4 398	4 401						
KAR24			20	28.53	63.9	0.00	5.60	7.60
KAR24			25	25.64	67.8	0.09	5.40	8.30
KAR24			32	24.70	73.3	0.13	5.20	9.20
KAR24			40	22.11	76.9	0.22	5.00	10.30
KAR24			50	21.22	82.0	0.31	4.70	11.50
KAR24			63	16.44	83.3	0.48	4.30	13.00
KAR24			80	12.92	86.1	0.70	3.70	14.80
KAR24			100	11.13	90.8	1.10	3.00	16.80
KAR24			125	2.86	89.3	1.67	1.80	18.80
KAR24			160	-3.48	90.6	2.51	0.00	21.10
KAR24			200	-7.48	91.9	3.61	0.00	22.80
KAR25	3 803	3 807						
KAR25			20	29.79	63.9	0.00	5.60	7.60
KAR25			25	26.91	67.8	0.08	5.40	8.30
KAR25			32	25.97	73.3	0.11	5.20	9.20
KAR25			40	23.40	76.9	0.19	5.00	10.30
KAR25			50	22.52	82.0	0.27	4.70	11.50
KAR25			63	17.77	83.3	0.42	4.30	13.00
KAR25			80	14.28	86.1	0.61	3.70	14.80
KAR25			100	12.54	90.8	0.95	3.00	16.80
KAR25			125	4.34	89.3	1.45	1.80	18.80
KAR25			160	-1.88	90.6	2.17	0.00	21.10
KAR25			200	-5.73	91.9	3.12	0.00	22.80
MAA01	1 478	1 485						
MAA01			20	37.97	63.9	0.00	5.60	7.60
MAA01			25	35.14	67.8	0.03	5.40	8.30
MAA01			32	34.22	73.3	0.04	5.20	9.20
MAA01			40	31.69	76.9	0.07	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA01			50	30.86	82.0	0.10	4.70	11.50
MAA01			63	26.20	83.3	0.16	4.30	13.00
MAA01			80	22.83	86.1	0.24	3.70	14.80
MAA01			100	21.29	90.8	0.37	3.00	16.80
MAA01			125	13.40	89.3	0.56	1.80	18.80
MAA01			160	7.62	90.6	0.85	0.00	21.10
MAA01			200	4.35	91.9	1.22	0.00	22.80
MAA03	2 105	2 109						
MAA03			20	34.92	63.9	0.00	5.60	7.60
MAA03			25	32.08	67.8	0.04	5.40	8.30
MAA03			32	31.15	73.3	0.06	5.20	9.20
MAA03			40	28.61	76.9	0.11	5.00	10.30
MAA03			50	27.77	82.0	0.15	4.70	11.50
MAA03			63	23.09	83.3	0.23	4.30	13.00
MAA03			80	19.68	86.1	0.34	3.70	14.80
MAA03			100	18.09	90.8	0.53	3.00	16.80
MAA03			125	10.12	89.3	0.80	1.80	18.80
MAA03			160	4.22	90.6	1.20	0.00	21.10
MAA03			200	0.79	91.9	1.73	0.00	22.80
MAA04	2 361	2 365						
MAA04			20	33.92	63.9	0.00	5.60	7.60
MAA04			25	31.08	67.8	0.05	5.40	8.30
MAA04			32	30.15	73.3	0.07	5.20	9.20
MAA04			40	27.61	76.9	0.12	5.00	10.30
MAA04			50	26.76	82.0	0.17	4.70	11.50
MAA04			63	22.06	83.3	0.26	4.30	13.00
MAA04			80	18.65	86.1	0.38	3.70	14.80
MAA04			100	17.03	90.8	0.59	3.00	16.80
MAA04			125	9.03	89.3	0.90	1.80	18.80
MAA04			160	3.08	90.6	1.35	0.00	21.10
MAA04			200	-0.42	91.9	1.94	0.00	22.80
MAA05	2 720	2 723						
MAA05			20	32.70	63.9	0.00	5.60	7.60
MAA05			25	29.84	67.8	0.05	5.40	8.30
MAA05			32	28.92	73.3	0.08	5.20	9.20
MAA05			40	26.36	76.9	0.14	5.00	10.30
MAA05			50	25.51	82.0	0.19	4.70	11.50
MAA05			63	20.80	83.3	0.30	4.30	13.00
MAA05			80	17.36	86.1	0.44	3.70	14.80
MAA05			100	15.72	90.8	0.68	3.00	16.80
MAA05			125	7.66	89.3	1.03	1.80	18.80
MAA05			160	1.65	90.6	1.55	0.00	21.10
MAA05			200	-1.93	91.9	2.23	0.00	22.80
MAA06	3 707	3 710						
MAA06			20	30.01	63.9	0.00	5.60	7.60
MAA06			25	27.14	67.8	0.07	5.40	8.30
MAA06			32	26.20	73.3	0.11	5.20	9.20
MAA06			40	23.63	76.9	0.19	5.00	10.30
MAA06			50	22.75	82.0	0.26	4.70	11.50
MAA06			63	18.00	83.3	0.41	4.30	13.00
MAA06			80	14.52	86.1	0.59	3.70	14.80
MAA06			100	12.79	90.8	0.93	3.00	16.80
MAA06			125	4.60	89.3	1.41	1.80	18.80
MAA06			160	-1.60	90.6	2.11	0.00	21.10
MAA06			200	-5.43	91.9	3.04	0.00	22.80
MAA07	4 116	4 119						
MAA07			20	29.11	63.9	0.00	5.60	7.60
MAA07			25	26.22	67.8	0.08	5.40	8.30
MAA07			32	25.28	73.3	0.12	5.20	9.20
MAA07			40	22.70	76.9	0.21	5.00	10.30
MAA07			50	21.82	82.0	0.29	4.70	11.50
MAA07			63	17.05	83.3	0.45	4.30	13.00
MAA07			80	13.55	86.1	0.66	3.70	14.80
MAA07			100	11.78	90.8	1.03	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			125	3.54	89.3	1.57	1.80	18.80
MAA07			160	-2.74	90.6	2.35	0.00	21.10
MAA07			200	-6.67	91.9	3.38	0.00	22.80
MAA08	4 420	4 422						
MAA08			20	28.49	63.9	0.00	5.60	7.60
MAA08			25	25.60	67.8	0.09	5.40	8.30
MAA08			32	24.66	73.3	0.13	5.20	9.20
MAA08			40	22.07	76.9	0.22	5.00	10.30
MAA08			50	21.18	82.0	0.31	4.70	11.50
MAA08			63	16.40	83.3	0.49	4.30	13.00
MAA08			80	12.88	86.1	0.71	3.70	14.80
MAA08			100	11.08	90.8	1.11	3.00	16.80
MAA08			125	2.81	89.3	1.68	1.80	18.80
MAA08			160	-3.53	90.6	2.52	0.00	21.10
MAA08			200	-7.54	91.9	3.63	0.00	22.80
RAH01	2 743	2 747						
RAH01			20	30.77	62.0	0.00	5.60	7.60
RAH01			25	29.22	67.2	0.05	5.40	8.30
RAH01			32	27.59	72.0	0.08	5.20	9.20
RAH01			40	26.21	76.8	0.14	5.00	10.30
RAH01			50	24.65	81.2	0.19	4.70	11.50
RAH01			63	22.44	85.0	0.30	4.30	13.00
RAH01			80	19.51	88.3	0.44	3.70	14.80
RAH01			100	15.94	91.1	0.69	3.00	16.80
RAH01			125	11.58	93.3	1.04	1.80	18.80
RAH01			160	5.93	95.0	1.57	0.00	21.10
RAH01			200	2.17	96.1	2.25	0.00	22.80
RAH02	2 999	3 003						
RAH02			20	30.00	62.0	0.00	5.60	7.60
RAH02			25	28.44	67.2	0.06	5.40	8.30
RAH02			32	26.81	72.0	0.09	5.20	9.20
RAH02			40	25.42	76.8	0.15	5.00	10.30
RAH02			50	23.86	81.2	0.21	4.70	11.50
RAH02			63	21.64	85.0	0.33	4.30	13.00
RAH02			80	18.69	88.3	0.48	3.70	14.80
RAH02			100	15.10	91.1	0.75	3.00	16.80
RAH02			125	10.71	93.3	1.14	1.80	18.80
RAH02			160	5.01	95.0	1.71	0.00	21.10
RAH02			200	1.19	96.1	2.46	0.00	22.80
RAH03	2 226	2 232						
RAH03			20	32.58	62.0	0.00	5.60	7.60
RAH03			25	31.03	67.2	0.04	5.40	8.30
RAH03			32	29.41	72.0	0.07	5.20	9.20
RAH03			40	28.04	76.8	0.11	5.00	10.30
RAH03			50	26.50	81.2	0.16	4.70	11.50
RAH03			63	24.31	85.0	0.25	4.30	13.00
RAH03			80	21.39	88.3	0.36	3.70	14.80
RAH03			100	17.87	91.1	0.56	3.00	16.80
RAH03			125	13.58	93.3	0.85	1.80	18.80
RAH03			160	8.03	95.0	1.27	0.00	21.10
RAH03			200	4.40	96.1	1.83	0.00	22.80
RAH04	3 235	3 238						
RAH04			20	29.34	62.0	0.00	5.60	7.60
RAH04			25	27.78	67.2	0.06	5.40	8.30
RAH04			32	26.14	72.0	0.10	5.20	9.20
RAH04			40	24.76	76.8	0.16	5.00	10.30
RAH04			50	23.19	81.2	0.23	4.70	11.50
RAH04			63	20.96	85.0	0.36	4.30	13.00
RAH04			80	18.00	88.3	0.52	3.70	14.80
RAH04			100	14.38	91.1	0.81	3.00	16.80
RAH04			125	9.96	93.3	1.23	1.80	18.80
RAH04			160	4.22	95.0	1.85	0.00	21.10
RAH04			200	0.34	96.1	2.66	0.00	22.80
RAH05	2 476	2 481						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH05			20	31.66	62.0	0.00	5.60	7.60
RAH05			25	30.11	67.2	0.05	5.40	8.30
RAH05			32	28.48	72.0	0.07	5.20	9.20
RAH05			40	27.11	76.8	0.12	5.00	10.30
RAH05			50	25.56	81.2	0.17	4.70	11.50
RAH05			63	23.36	85.0	0.27	4.30	13.00
RAH05			80	20.44	88.3	0.40	3.70	14.80
RAH05			100	16.89	91.1	0.62	3.00	16.80
RAH05			125	12.57	93.3	0.94	1.80	18.80
RAH05			160	6.97	95.0	1.41	0.00	21.10
RAH05			200	3.27	96.1	2.03	0.00	22.80
RAH06	3 014	3 018						
RAH06			20	29.95	62.0	0.00	5.60	7.60
RAH06			25	28.39	67.2	0.06	5.40	8.30
RAH06			32	26.76	72.0	0.09	5.20	9.20
RAH06			40	25.38	76.8	0.15	5.00	10.30
RAH06			50	23.82	81.2	0.21	4.70	11.50
RAH06			63	21.60	85.0	0.33	4.30	13.00
RAH06			80	18.65	88.3	0.48	3.70	14.80
RAH06			100	15.05	91.1	0.75	3.00	16.80
RAH06			125	10.66	93.3	1.15	1.80	18.80
RAH06			160	4.96	95.0	1.72	0.00	21.10
RAH06			200	1.13	96.1	2.47	0.00	22.80
RAH07	4 704	4 707						
RAH07			20	26.09	62.0	0.00	5.60	7.60
RAH07			25	24.50	67.2	0.09	5.40	8.30
RAH07			32	22.85	72.0	0.14	5.20	9.20
RAH07			40	21.43	76.8	0.24	5.00	10.30
RAH07			50	19.84	81.2	0.33	4.70	11.50
RAH07			63	17.55	85.0	0.52	4.30	13.00
RAH07			80	14.52	88.3	0.75	3.70	14.80
RAH07			100	10.77	91.1	1.18	3.00	16.80
RAH07			125	6.16	93.3	1.79	1.80	18.80
RAH07			160	0.14	95.0	2.68	0.00	21.10
RAH07			200	-4.11	96.1	3.86	0.00	22.80
RAH08	4 624	4 626						
RAH08			20	26.24	62.0	0.00	5.60	7.60
RAH08			25	24.65	67.2	0.09	5.40	8.30
RAH08			32	23.01	72.0	0.14	5.20	9.20
RAH08			40	21.59	76.8	0.23	5.00	10.30
RAH08			50	20.00	81.2	0.32	4.70	11.50
RAH08			63	17.71	85.0	0.51	4.30	13.00
RAH08			80	14.68	88.3	0.74	3.70	14.80
RAH08			100	10.94	91.1	1.16	3.00	16.80
RAH08			125	6.34	93.3	1.76	1.80	18.80
RAH08			160	0.33	95.0	2.64	0.00	21.10
RAH08			200	-3.90	96.1	3.79	0.00	22.80
RAH09	3 906	3 909						
RAH09			20	27.71	62.0	0.00	5.60	7.60
RAH09			25	26.13	67.2	0.08	5.40	8.30
RAH09			32	24.49	72.0	0.12	5.20	9.20
RAH09			40	23.09	76.8	0.20	5.00	10.30
RAH09			50	21.51	81.2	0.27	4.70	11.50
RAH09			63	19.25	85.0	0.43	4.30	13.00
RAH09			80	16.26	88.3	0.63	3.70	14.80
RAH09			100	12.58	91.1	0.98	3.00	16.80
RAH09			125	8.07	93.3	1.49	1.80	18.80
RAH09			160	2.21	95.0	2.23	0.00	21.10
RAH09			200	-1.85	96.1	3.21	0.00	22.80
RAH10	4 081	4 084						
RAH10			20	27.33	62.0	0.00	5.60	7.60
RAH10			25	25.74	67.2	0.08	5.40	8.30
RAH10			32	24.10	72.0	0.12	5.20	9.20
RAH10			40	22.70	76.8	0.20	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH10			50	21.12	81.2	0.29	4.70	11.50
RAH10			63	18.85	85.0	0.45	4.30	13.00
RAH10			80	15.85	88.3	0.65	3.70	14.80
RAH10			100	12.16	91.1	1.02	3.00	16.80
RAH10			125	7.63	93.3	1.55	1.80	18.80
RAH10			160	1.73	95.0	2.33	0.00	21.10
RAH10			200	-2.37	96.1	3.35	0.00	22.80
RAH11	2 200	2 206						
RAH11			20	32.68	62.0	0.00	5.60	7.60
RAH11			25	31.13	67.2	0.04	5.40	8.30
RAH11			32	29.51	72.0	0.07	5.20	9.20
RAH11			40	28.14	76.8	0.11	5.00	10.30
RAH11			50	26.60	81.2	0.15	4.70	11.50
RAH11			63	24.41	85.0	0.24	4.30	13.00
RAH11			80	21.50	88.3	0.35	3.70	14.80
RAH11			100	17.98	91.1	0.55	3.00	16.80
RAH11			125	13.69	93.3	0.84	1.80	18.80
RAH11			160	8.15	95.0	1.26	0.00	21.10
RAH11			200	4.52	96.1	1.81	0.00	22.80
RAH12	2 893	2 897						
RAH12			20	30.31	62.0	0.00	5.60	7.60
RAH12			25	28.75	67.2	0.06	5.40	8.30
RAH12			32	27.12	72.0	0.09	5.20	9.20
RAH12			40	25.74	76.8	0.14	5.00	10.30
RAH12			50	24.18	81.2	0.20	4.70	11.50
RAH12			63	21.97	85.0	0.32	4.30	13.00
RAH12			80	19.02	88.3	0.46	3.70	14.80
RAH12			100	15.44	91.1	0.72	3.00	16.80
RAH12			125	11.06	93.3	1.10	1.80	18.80
RAH12			160	5.38	95.0	1.65	0.00	21.10
RAH12			200	1.58	96.1	2.38	0.00	22.80
RAH13	2 708	2 712						
RAH13			20	30.88	62.0	0.00	5.60	7.60
RAH13			25	29.33	67.2	0.05	5.40	8.30
RAH13			32	27.70	72.0	0.08	5.20	9.20
RAH13			40	26.32	76.8	0.14	5.00	10.30
RAH13			50	24.77	81.2	0.19	4.70	11.50
RAH13			63	22.56	85.0	0.30	4.30	13.00
RAH13			80	19.62	88.3	0.43	3.70	14.80
RAH13			100	16.06	91.1	0.68	3.00	16.80
RAH13			125	11.70	93.3	1.03	1.80	18.80
RAH13			160	6.06	95.0	1.55	0.00	21.10
RAH13			200	2.31	96.1	2.22	0.00	22.80
RAH14	2 054	2 060						
RAH14			20	33.27	62.0	0.00	5.60	7.60
RAH14			25	31.73	67.2	0.04	5.40	8.30
RAH14			32	30.11	72.0	0.06	5.20	9.20
RAH14			40	28.74	76.8	0.10	5.00	10.30
RAH14			50	27.20	81.2	0.14	4.70	11.50
RAH14			63	25.02	85.0	0.23	4.30	13.00
RAH14			80	22.12	88.3	0.33	3.70	14.80
RAH14			100	18.61	91.1	0.51	3.00	16.80
RAH14			125	14.34	93.3	0.78	1.80	18.80
RAH14			160	8.82	95.0	1.17	0.00	21.10
RAH14			200	5.23	96.1	1.69	0.00	22.80
RAH15	2 908	2 913						
RAH15			20	30.26	62.0	0.00	5.60	7.60
RAH15			25	28.70	67.2	0.06	5.40	8.30
RAH15			32	27.08	72.0	0.09	5.20	9.20
RAH15			40	25.69	76.8	0.15	5.00	10.30
RAH15			50	24.13	81.2	0.20	4.70	11.50
RAH15			63	21.92	85.0	0.32	4.30	13.00
RAH15			80	18.97	88.3	0.47	3.70	14.80
RAH15			100	15.39	91.1	0.73	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			125	11.01	93.3	1.11	1.80	18.80
RAH15			160	5.33	95.0	1.66	0.00	21.10
RAH15			200	1.53	96.1	2.39	0.00	22.80
RAH16	3 508	3 511						
RAH16			20	28.64	62.0	0.00	5.60	7.60
RAH16			25	27.07	67.2	0.07	5.40	8.30
RAH16			32	25.43	72.0	0.11	5.20	9.20
RAH16			40	24.04	76.8	0.18	5.00	10.30
RAH16			50	22.47	81.2	0.25	4.70	11.50
RAH16			63	20.23	85.0	0.39	4.30	13.00
RAH16			80	17.25	88.3	0.56	3.70	14.80
RAH16			100	13.61	91.1	0.88	3.00	16.80
RAH16			125	9.16	93.3	1.33	1.80	18.80
RAH16			160	3.37	95.0	2.00	0.00	21.10
RAH16			200	-0.59	96.1	2.88	0.00	22.80
RAH17	2 135	2 142						
RAH17			20	32.93	62.0	0.00	5.60	7.60
RAH17			25	31.39	67.2	0.04	5.40	8.30
RAH17			32	29.77	72.0	0.06	5.20	9.20
RAH17			40	28.40	76.8	0.11	5.00	10.30
RAH17			50	26.86	81.2	0.15	4.70	11.50
RAH17			63	24.67	85.0	0.24	4.30	13.00
RAH17			80	21.77	88.3	0.34	3.70	14.80
RAH17			100	18.25	91.1	0.54	3.00	16.80
RAH17			125	13.97	93.3	0.81	1.80	18.80
RAH17			160	8.44	95.0	1.22	0.00	21.10
RAH17			200	4.83	96.1	1.76	0.00	22.80
RAH18	2 665	2 670						
RAH18			20	31.02	62.0	0.00	5.60	7.60
RAH18			25	29.46	67.2	0.05	5.40	8.30
RAH18			32	27.84	72.0	0.08	5.20	9.20
RAH18			40	26.46	76.8	0.13	5.00	10.30
RAH18			50	24.91	81.2	0.19	4.70	11.50
RAH18			63	22.70	85.0	0.29	4.30	13.00
RAH18			80	19.77	88.3	0.43	3.70	14.80
RAH18			100	16.20	91.1	0.67	3.00	16.80
RAH18			125	11.85	93.3	1.01	1.80	18.80
RAH18			160	6.22	95.0	1.52	0.00	21.10
RAH18			200	2.48	96.1	2.19	0.00	22.80
RAH19	2 886	2 892						
RAH19			20	30.33	62.0	0.00	5.60	7.60
RAH19			25	28.77	67.2	0.06	5.40	8.30
RAH19			32	27.14	72.0	0.09	5.20	9.20
RAH19			40	25.76	76.8	0.14	5.00	10.30
RAH19			50	24.20	81.2	0.20	4.70	11.50
RAH19			63	21.98	85.0	0.32	4.30	13.00
RAH19			80	19.04	88.3	0.46	3.70	14.80
RAH19			100	15.45	91.1	0.72	3.00	16.80
RAH19			125	11.08	93.3	1.10	1.80	18.80
RAH19			160	5.40	95.0	1.65	0.00	21.10
RAH19			200	1.61	96.1	2.37	0.00	22.80
SIL01	8 724	8 726						
SIL01			20	22.01	63.3	0.00	5.60	7.60
SIL01			25	20.23	68.4	0.17	5.40	8.30
SIL01			32	14.25	68.9	0.26	5.20	9.20
SIL01			40	11.17	72.1	0.44	5.00	10.30
SIL01			50	9.80	76.8	0.61	4.70	11.50
SIL01			63	6.53	79.8	0.96	4.30	13.00
SIL01			80	2.80	82.6	1.40	3.70	14.80
SIL01			100	-0.67	86.0	2.18	3.00	16.80
SIL01			125	-4.74	89.3	3.32	1.80	18.80
SIL01			160	-14.31	88.2	4.97	0.00	21.10
SIL01			200	-18.88	90.0	7.15	0.00	22.80
SIL02	8 274	8 276						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL02			20	22.47	63.3	0.00	5.60	7.60
SIL02			25	20.70	68.4	0.17	5.40	8.30
SIL02			32	14.72	68.9	0.25	5.20	9.20
SIL02			40	11.65	72.1	0.41	5.00	10.30
SIL02			50	10.29	76.8	0.58	4.70	11.50
SIL02			63	7.04	79.8	0.91	4.30	13.00
SIL02			80	3.33	82.6	1.32	3.70	14.80
SIL02			100	-0.10	86.0	2.07	3.00	16.80
SIL02			125	-4.11	89.3	3.14	1.80	18.80
SIL02			160	-13.59	88.2	4.72	0.00	21.10
SIL02			200	-18.05	90.0	6.79	0.00	22.80
SIL03	7 687	7 689						
SIL03			20	23.11	63.3	0.00	5.60	7.60
SIL03			25	21.35	68.4	0.15	5.40	8.30
SIL03			32	15.38	68.9	0.23	5.20	9.20
SIL03			40	12.32	72.1	0.38	5.00	10.30
SIL03			50	10.97	76.8	0.54	4.70	11.50
SIL03			63	7.74	79.8	0.85	4.30	13.00
SIL03			80	4.06	82.6	1.23	3.70	14.80
SIL03			100	0.69	86.0	1.92	3.00	16.80
SIL03			125	-3.25	89.3	2.92	1.80	18.80
SIL03			160	-12.62	88.2	4.38	0.00	21.10
SIL03			200	-16.93	90.0	6.30	0.00	22.80
SIL04	7 632	7 634						
SIL04			20	23.17	63.3	0.00	5.60	7.60
SIL04			25	21.41	68.4	0.15	5.40	8.30
SIL04			32	15.45	68.9	0.23	5.20	9.20
SIL04			40	12.39	72.1	0.38	5.00	10.30
SIL04			50	11.03	76.8	0.53	4.70	11.50
SIL04			63	7.81	79.8	0.84	4.30	13.00
SIL04			80	4.14	82.6	1.22	3.70	14.80
SIL04			100	0.77	86.0	1.91	3.00	16.80
SIL04			125	-3.17	89.3	2.90	1.80	18.80
SIL04			160	-12.52	88.2	4.35	0.00	21.10
SIL04			200	-16.83	90.0	6.26	0.00	22.80
SIL05	8 429	8 431						
SIL05			20	22.31	63.3	0.00	5.60	7.60
SIL05			25	20.53	68.4	0.17	5.40	8.30
SIL05			32	14.56	68.9	0.25	5.20	9.20
SIL05			40	11.48	72.1	0.42	5.00	10.30
SIL05			50	10.12	76.8	0.59	4.70	11.50
SIL05			63	6.86	79.8	0.93	4.30	13.00
SIL05			80	3.15	82.6	1.35	3.70	14.80
SIL05			100	-0.30	86.0	2.11	3.00	16.80
SIL05			125	-4.33	89.3	3.20	1.80	18.80
SIL05			160	-13.84	88.2	4.81	0.00	21.10
SIL05			200	-18.34	90.0	6.91	0.00	22.80
SIL06	8 088	8 089						
SIL06			20	22.67	63.3	0.00	5.60	7.60
SIL06			25	20.90	68.4	0.16	5.40	8.30
SIL06			32	14.93	68.9	0.24	5.20	9.20
SIL06			40	11.86	72.1	0.40	5.00	10.30
SIL06			50	10.50	76.8	0.57	4.70	11.50
SIL06			63	7.26	79.8	0.89	4.30	13.00
SIL06			80	3.56	82.6	1.29	3.70	14.80
SIL06			100	0.15	86.0	2.02	3.00	16.80
SIL06			125	-3.84	89.3	3.07	1.80	18.80
SIL06			160	-13.29	88.2	4.61	0.00	21.10
SIL06			200	-17.70	90.0	6.63	0.00	22.80
SIL07	7 516	7 517						
SIL07			20	23.30	63.3	0.00	5.60	7.60
SIL07			25	21.55	68.4	0.15	5.40	8.30
SIL07			32	15.58	68.9	0.23	5.20	9.20
SIL07			40	12.53	72.1	0.38	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL07			50	11.18	76.8	0.53	4.70	11.50
SIL07			63	7.96	79.8	0.83	4.30	13.00
SIL07			80	4.29	82.6	1.20	3.70	14.80
SIL07			100	0.93	86.0	1.88	3.00	16.80
SIL07			125	-2.99	89.3	2.86	1.80	18.80
SIL07			160	-12.32	88.2	4.28	0.00	21.10
SIL07			200	-16.60	90.0	6.16	0.00	22.80
SIL08	7 831	7 833						
SIL08			20	22.94	63.3	0.00	5.60	7.60
SIL08			25	21.18	68.4	0.16	5.40	8.30
SIL08			32	15.22	68.9	0.23	5.20	9.20
SIL08			40	12.15	72.1	0.39	5.00	10.30
SIL08			50	10.80	76.8	0.55	4.70	11.50
SIL08			63	7.57	79.8	0.86	4.30	13.00
SIL08			80	3.88	82.6	1.25	3.70	14.80
SIL08			100	0.49	86.0	1.96	3.00	16.80
SIL08			125	-3.47	89.3	2.98	1.80	18.80
SIL08			160	-12.86	88.2	4.46	0.00	21.10
SIL08			200	-17.21	90.0	6.42	0.00	22.80
Sum								
Sum			20	47.02				
Sum			25	44.80				
Sum			32	43.42				
Sum			40	41.45				
Sum			50	40.22				
Sum			63	36.94				
Sum			80	33.82				
Sum			100	30.94				
Sum			125	25.38				
Sum			160	19.61				
Sum			200	15.88				

Noise sensitive area: N Noise sensitive point: Finnish normal frequency - User defined (40)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 134	4 138						
KAR01			20	29.06	63.9	0.00	5.60	7.60
KAR01			25	26.18	67.8	0.08	5.40	8.30
KAR01			32	25.24	73.3	0.12	5.20	9.20
KAR01			40	22.66	76.9	0.21	5.00	10.30
KAR01			50	21.77	82.0	0.29	4.70	11.50
KAR01			63	17.01	83.3	0.46	4.30	13.00
KAR01			80	13.50	86.1	0.66	3.70	14.80
KAR01			100	11.73	90.8	1.03	3.00	16.80
KAR01			125	3.49	89.3	1.57	1.80	18.80
KAR01			160	-2.79	90.6	2.36	0.00	21.10
KAR01			200	-6.73	91.9	3.39	0.00	22.80
KAR02	4 260	4 264						
KAR02			20	28.80	63.9	0.00	5.60	7.60
KAR02			25	25.92	67.8	0.09	5.40	8.30
KAR02			32	24.98	73.3	0.13	5.20	9.20
KAR02			40	22.39	76.9	0.21	5.00	10.30
KAR02			50	21.51	82.0	0.30	4.70	11.50
KAR02			63	16.73	83.3	0.47	4.30	13.00
KAR02			80	13.22	86.1	0.68	3.70	14.80
KAR02			100	11.44	90.8	1.07	3.00	16.80
KAR02			125	3.18	89.3	1.62	1.80	18.80
KAR02			160	-3.13	90.6	2.43	0.00	21.10
KAR02			200	-7.09	91.9	3.50	0.00	22.80
KAR03	4 503	4 507						
KAR03			20	28.32	63.9	0.00	5.60	7.60
KAR03			25	25.43	67.8	0.09	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR03			32	24.49	73.3	0.14	5.20	9.20
KAR03			40	21.90	76.9	0.23	5.00	10.30
KAR03			50	21.01	82.0	0.32	4.70	11.50
KAR03			63	16.23	83.3	0.50	4.30	13.00
KAR03			80	12.70	86.1	0.72	3.70	14.80
KAR03			100	10.89	90.8	1.13	3.00	16.80
KAR03			125	2.61	89.3	1.71	1.80	18.80
KAR03			160	-3.75	90.6	2.57	0.00	21.10
KAR03			200	-7.77	91.9	3.70	0.00	22.80
KAR04	4 967	4 971						
KAR04			20	27.47	63.9	0.00	5.60	7.60
KAR04			25	24.57	67.8	0.10	5.40	8.30
KAR04			32	23.62	73.3	0.15	5.20	9.20
KAR04			40	21.02	76.9	0.25	5.00	10.30
KAR04			50	20.12	82.0	0.35	4.70	11.50
KAR04			63	15.32	83.3	0.55	4.30	13.00
KAR04			80	11.78	86.1	0.80	3.70	14.80
KAR04			100	9.93	90.8	1.24	3.00	16.80
KAR04			125	1.58	89.3	1.89	1.80	18.80
KAR04			160	-4.86	90.6	2.83	0.00	21.10
KAR04			200	-9.00	91.9	4.08	0.00	22.80
KAR05	5 439	5 443						
KAR05			20	26.68	63.9	0.00	5.60	7.60
KAR05			25	23.78	67.8	0.11	5.40	8.30
KAR05			32	22.82	73.3	0.16	5.20	9.20
KAR05			40	20.21	76.9	0.27	5.00	10.30
KAR05			50	19.30	82.0	0.38	4.70	11.50
KAR05			63	14.49	83.3	0.60	4.30	13.00
KAR05			80	10.91	86.1	0.87	3.70	14.80
KAR05			100	9.02	90.8	1.36	3.00	16.80
KAR05			125	0.62	89.3	2.07	1.80	18.80
KAR05			160	-5.92	90.6	3.10	0.00	21.10
KAR05			200	-10.18	91.9	4.46	0.00	22.80
KAR06	5 121	5 125						
KAR06			20	27.21	63.9	0.00	5.60	7.60
KAR06			25	24.30	67.8	0.10	5.40	8.30
KAR06			32	23.35	73.3	0.15	5.20	9.20
KAR06			40	20.75	76.9	0.26	5.00	10.30
KAR06			50	19.85	82.0	0.36	4.70	11.50
KAR06			63	15.04	83.3	0.56	4.30	13.00
KAR06			80	11.49	86.1	0.82	3.70	14.80
KAR06			100	9.63	90.8	1.28	3.00	16.80
KAR06			125	1.26	89.3	1.95	1.80	18.80
KAR06			160	-5.21	90.6	2.92	0.00	21.10
KAR06			200	-9.40	91.9	4.20	0.00	22.80
KAR07	5 122	5 125						
KAR07			20	27.21	63.9	0.00	5.60	7.60
KAR07			25	24.30	67.8	0.10	5.40	8.30
KAR07			32	23.35	73.3	0.15	5.20	9.20
KAR07			40	20.75	76.9	0.26	5.00	10.30
KAR07			50	19.85	82.0	0.36	4.70	11.50
KAR07			63	15.04	83.3	0.56	4.30	13.00
KAR07			80	11.49	86.1	0.82	3.70	14.80
KAR07			100	9.62	90.8	1.28	3.00	16.80
KAR07			125	1.26	89.3	1.95	1.80	18.80
KAR07			160	-5.22	90.6	2.92	0.00	21.10
KAR07			200	-9.40	91.9	4.20	0.00	22.80
KAR08	5 302	5 305						
KAR08			20	26.91	63.9	0.00	5.60	7.60
KAR08			25	24.00	67.8	0.11	5.40	8.30
KAR08			32	23.05	73.3	0.16	5.20	9.20
KAR08			40	20.44	76.9	0.27	5.00	10.30
KAR08			50	19.53	82.0	0.37	4.70	11.50
KAR08			63	14.72	83.3	0.58	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR08			80	11.16	86.1	0.85	3.70	14.80
KAR08			100	9.28	90.8	1.33	3.00	16.80
KAR08			125	0.89	89.3	2.02	1.80	18.80
KAR08			160	-5.62	90.6	3.02	0.00	21.10
KAR08			200	-9.84	91.9	4.35	0.00	22.80
KAR09	5 973	5 976						
KAR09			20	25.87	63.9	0.00	5.60	7.60
KAR09			25	22.95	67.8	0.12	5.40	8.30
KAR09			32	21.99	73.3	0.18	5.20	9.20
KAR09			40	19.37	76.9	0.30	5.00	10.30
KAR09			50	18.45	82.0	0.42	4.70	11.50
KAR09			63	13.61	83.3	0.66	4.30	13.00
KAR09			80	10.02	86.1	0.96	3.70	14.80
KAR09			100	8.08	90.8	1.49	3.00	16.80
KAR09			125	-0.40	89.3	2.27	1.80	18.80
KAR09			160	-7.03	90.6	3.41	0.00	21.10
KAR09			200	-11.43	91.9	4.90	0.00	22.80
KAR10	5 747	5 750						
KAR10			20	26.21	63.9	0.00	5.60	7.60
KAR10			25	23.29	67.8	0.12	5.40	8.30
KAR10			32	22.33	73.3	0.17	5.20	9.20
KAR10			40	19.72	76.9	0.29	5.00	10.30
KAR10			50	18.80	82.0	0.40	4.70	11.50
KAR10			63	13.97	83.3	0.63	4.30	13.00
KAR10			80	10.39	86.1	0.92	3.70	14.80
KAR10			100	8.47	90.8	1.44	3.00	16.80
KAR10			125	0.02	89.3	2.19	1.80	18.80
KAR10			160	-6.57	90.6	3.28	0.00	21.10
KAR10			200	-10.91	91.9	4.72	0.00	22.80
KAR11	5 721	5 724						
KAR11			20	26.25	63.9	0.00	5.60	7.60
KAR11			25	23.33	67.8	0.11	5.40	8.30
KAR11			32	22.37	73.3	0.17	5.20	9.20
KAR11			40	19.76	76.9	0.29	5.00	10.30
KAR11			50	18.85	82.0	0.40	4.70	11.50
KAR11			63	14.02	83.3	0.63	4.30	13.00
KAR11			80	10.43	86.1	0.92	3.70	14.80
KAR11			100	8.52	90.8	1.43	3.00	16.80
KAR11			125	0.07	89.3	2.18	1.80	18.80
KAR11			160	-6.52	90.6	3.26	0.00	21.10
KAR11			200	-10.85	91.9	4.69	0.00	22.80
KAR12	6 327	6 330						
KAR12			20	25.37	63.9	0.00	5.60	7.60
KAR12			25	22.45	67.8	0.13	5.40	8.30
KAR12			32	21.48	73.3	0.19	5.20	9.20
KAR12			40	18.86	76.9	0.32	5.00	10.30
KAR12			50	17.93	82.0	0.44	4.70	11.50
KAR12			63	13.08	83.3	0.70	4.30	13.00
KAR12			80	9.46	86.1	1.01	3.70	14.80
KAR12			100	7.49	90.8	1.58	3.00	16.80
KAR12			125	-1.03	89.3	2.41	1.80	18.80
KAR12			160	-7.74	90.6	3.61	0.00	21.10
KAR12			200	-12.22	91.9	5.19	0.00	22.80
KAR13	6 160	6 163						
KAR13			20	25.60	63.9	0.00	5.60	7.60
KAR13			25	22.68	67.8	0.12	5.40	8.30
KAR13			32	21.72	73.3	0.18	5.20	9.20
KAR13			40	19.10	76.9	0.31	5.00	10.30
KAR13			50	18.17	82.0	0.43	4.70	11.50
KAR13			63	13.33	83.3	0.68	4.30	13.00
KAR13			80	9.72	86.1	0.99	3.70	14.80
KAR13			100	7.76	90.8	1.54	3.00	16.80
KAR13			125	-0.74	89.3	2.34	1.80	18.80
KAR13			160	-7.41	90.6	3.51	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			200	-11.85	91.9	5.05	0.00	22.80
KAR14	6 660	6 663						
KAR14			20	24.93	63.9	0.00	5.60	7.60
KAR14			25	21.99	67.8	0.13	5.40	8.30
KAR14			32	21.03	73.3	0.20	5.20	9.20
KAR14			40	18.39	76.9	0.33	5.00	10.30
KAR14			50	17.46	82.0	0.47	4.70	11.50
KAR14			63	12.59	83.3	0.73	4.30	13.00
KAR14			80	8.96	86.1	1.07	3.70	14.80
KAR14			100	6.96	90.8	1.67	3.00	16.80
KAR14			125	-1.61	89.3	2.53	1.80	18.80
KAR14			160	-8.37	90.6	3.80	0.00	21.10
KAR14			200	-12.94	91.9	5.46	0.00	22.80
KAR15	6 234	6 236						
KAR15			20	25.50	63.9	0.00	5.60	7.60
KAR15			25	22.58	67.8	0.12	5.40	8.30
KAR15			32	21.61	73.3	0.19	5.20	9.20
KAR15			40	18.99	76.9	0.31	5.00	10.30
KAR15			50	18.06	82.0	0.44	4.70	11.50
KAR15			63	13.22	83.3	0.69	4.30	13.00
KAR15			80	9.60	86.1	1.00	3.70	14.80
KAR15			100	7.64	90.8	1.56	3.00	16.80
KAR15			125	-0.87	89.3	2.37	1.80	18.80
KAR15			160	-7.55	90.6	3.55	0.00	21.10
KAR15			200	-12.01	91.9	5.11	0.00	22.80
KAR16	7 025	7 028						
KAR16			20	24.46	63.9	0.00	5.60	7.60
KAR16			25	21.52	67.8	0.14	5.40	8.30
KAR16			32	20.55	73.3	0.21	5.20	9.20
KAR16			40	17.91	76.9	0.35	5.00	10.30
KAR16			50	16.97	82.0	0.49	4.70	11.50
KAR16			63	12.09	83.3	0.77	4.30	13.00
KAR16			80	8.44	86.1	1.12	3.70	14.80
KAR16			100	6.41	90.8	1.76	3.00	16.80
KAR16			125	-2.21	89.3	2.67	1.80	18.80
KAR16			160	-9.04	90.6	4.01	0.00	21.10
KAR16			200	-13.70	91.9	5.76	0.00	22.80
KAR17	7 006	7 009						
KAR17			20	24.49	63.9	0.00	5.60	7.60
KAR17			25	21.55	67.8	0.14	5.40	8.30
KAR17			32	20.58	73.3	0.21	5.20	9.20
KAR17			40	17.94	76.9	0.35	5.00	10.30
KAR17			50	17.00	82.0	0.49	4.70	11.50
KAR17			63	12.12	83.3	0.77	4.30	13.00
KAR17			80	8.47	86.1	1.12	3.70	14.80
KAR17			100	6.43	90.8	1.75	3.00	16.80
KAR17			125	-2.18	89.3	2.66	1.80	18.80
KAR17			160	-9.01	90.6	4.00	0.00	21.10
KAR17			200	-13.66	91.9	5.75	0.00	22.80
KAR18	7 397	7 400						
KAR18			20	24.02	63.9	0.00	5.60	7.60
KAR18			25	21.07	67.8	0.15	5.40	8.30
KAR18			32	20.09	73.3	0.22	5.20	9.20
KAR18			40	17.45	76.9	0.37	5.00	10.30
KAR18			50	16.50	82.0	0.52	4.70	11.50
KAR18			63	11.60	83.3	0.81	4.30	13.00
KAR18			80	7.93	86.1	1.18	3.70	14.80
KAR18			100	5.87	90.8	1.85	3.00	16.80
KAR18			125	-2.80	89.3	2.81	1.80	18.80
KAR18			160	-9.70	90.6	4.22	0.00	21.10
KAR18			200	-14.45	91.9	6.07	0.00	22.80
KAR19	7 008	7 011						
KAR19			20	24.48	63.9	0.00	5.60	7.60
KAR19			25	21.54	67.8	0.14	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR19			32	20.57	73.3	0.21	5.20	9.20
KAR19			40	17.93	76.9	0.35	5.00	10.30
KAR19			50	16.99	82.0	0.49	4.70	11.50
KAR19			63	12.11	83.3	0.77	4.30	13.00
KAR19			80	8.46	86.1	1.12	3.70	14.80
KAR19			100	6.43	90.8	1.75	3.00	16.80
KAR19			125	-2.18	89.3	2.66	1.80	18.80
KAR19			160	-9.01	90.6	4.00	0.00	21.10
KAR19			200	-13.66	91.9	5.75	0.00	22.80
KAR20	7 601	7 603						
KAR20			20	23.78	63.9	0.00	5.60	7.60
KAR20			25	20.83	67.8	0.15	5.40	8.30
KAR20			32	19.85	73.3	0.23	5.20	9.20
KAR20			40	17.20	76.9	0.38	5.00	10.30
KAR20			50	16.25	82.0	0.53	4.70	11.50
KAR20			63	11.34	83.3	0.84	4.30	13.00
KAR20			80	7.66	86.1	1.22	3.70	14.80
KAR20			100	5.58	90.8	1.90	3.00	16.80
KAR20			125	-3.11	89.3	2.89	1.80	18.80
KAR20			160	-10.05	90.6	4.33	0.00	21.10
KAR20			200	-14.85	91.9	6.23	0.00	22.80
KAR21	7 489	7 492						
KAR21			20	23.91	63.9	0.00	5.60	7.60
KAR21			25	20.96	67.8	0.15	5.40	8.30
KAR21			32	19.98	73.3	0.22	5.20	9.20
KAR21			40	17.33	76.9	0.37	5.00	10.30
KAR21			50	16.38	82.0	0.52	4.70	11.50
KAR21			63	11.48	83.3	0.82	4.30	13.00
KAR21			80	7.81	86.1	1.20	3.70	14.80
KAR21			100	5.74	90.8	1.87	3.00	16.80
KAR21			125	-2.94	89.3	2.85	1.80	18.80
KAR21			160	-9.86	90.6	4.27	0.00	21.10
KAR21			200	-14.63	91.9	6.14	0.00	22.80
KAR22	7 615	7 618						
KAR22			20	23.76	63.9	0.00	5.60	7.60
KAR22			25	20.81	67.8	0.15	5.40	8.30
KAR22			32	19.84	73.3	0.23	5.20	9.20
KAR22			40	17.18	76.9	0.38	5.00	10.30
KAR22			50	16.23	82.0	0.53	4.70	11.50
KAR22			63	11.33	83.3	0.84	4.30	13.00
KAR22			80	7.64	86.1	1.22	3.70	14.80
KAR22			100	5.56	90.8	1.90	3.00	16.80
KAR22			125	-3.13	89.3	2.89	1.80	18.80
KAR22			160	-10.08	90.6	4.34	0.00	21.10
KAR22			200	-14.88	91.9	6.25	0.00	22.80
KAR23	8 149	8 151						
KAR23			20	23.18	63.9	0.00	5.60	7.60
KAR23			25	20.21	67.8	0.16	5.40	8.30
KAR23			32	19.23	73.3	0.24	5.20	9.20
KAR23			40	16.57	76.9	0.41	5.00	10.30
KAR23			50	15.61	82.0	0.57	4.70	11.50
KAR23			63	10.68	83.3	0.90	4.30	13.00
KAR23			80	6.97	86.1	1.30	3.70	14.80
KAR23			100	4.84	90.8	2.04	3.00	16.80
KAR23			125	-3.92	89.3	3.10	1.80	18.80
KAR23			160	-10.97	90.6	4.65	0.00	21.10
KAR23			200	-15.91	91.9	6.68	0.00	22.80
KAR24	4 317	4 321						
KAR24			20	28.69	63.9	0.00	5.60	7.60
KAR24			25	25.80	67.8	0.09	5.40	8.30
KAR24			32	24.86	73.3	0.13	5.20	9.20
KAR24			40	22.27	76.9	0.22	5.00	10.30
KAR24			50	21.39	82.0	0.30	4.70	11.50
KAR24			63	16.61	83.3	0.48	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR24			80	13.10	86.1	0.69	3.70	14.80
KAR24			100	11.31	90.8	1.08	3.00	16.80
KAR24			125	3.05	89.3	1.64	1.80	18.80
KAR24			160	-3.28	90.6	2.46	0.00	21.10
KAR24			200	-7.26	91.9	3.54	0.00	22.80
KAR25	3 764	3 768						
KAR25			20	29.88	63.9	0.00	5.60	7.60
KAR25			25	27.00	67.8	0.08	5.40	8.30
KAR25			32	26.06	73.3	0.11	5.20	9.20
KAR25			40	23.49	76.9	0.19	5.00	10.30
KAR25			50	22.61	82.0	0.26	4.70	11.50
KAR25			63	17.86	83.3	0.41	4.30	13.00
KAR25			80	14.37	86.1	0.60	3.70	14.80
KAR25			100	12.64	90.8	0.94	3.00	16.80
KAR25			125	4.45	89.3	1.43	1.80	18.80
KAR25			160	-1.77	90.6	2.15	0.00	21.10
KAR25			200	-5.61	91.9	3.09	0.00	22.80
MAA01	1 588	1 593						
MAA01			20	37.35	63.9	0.00	5.60	7.60
MAA01			25	34.52	67.8	0.03	5.40	8.30
MAA01			32	33.61	73.3	0.05	5.20	9.20
MAA01			40	31.07	76.9	0.08	5.00	10.30
MAA01			50	30.24	82.0	0.11	4.70	11.50
MAA01			63	25.58	83.3	0.18	4.30	13.00
MAA01			80	22.20	86.1	0.25	3.70	14.80
MAA01			100	20.65	90.8	0.40	3.00	16.80
MAA01			125	12.75	89.3	0.61	1.80	18.80
MAA01			160	6.94	90.6	0.91	0.00	21.10
MAA01			200	3.65	91.9	1.31	0.00	22.80
MAA03	2 229	2 233						
MAA03			20	34.42	63.9	0.00	5.60	7.60
MAA03			25	31.58	67.8	0.04	5.40	8.30
MAA03			32	30.65	73.3	0.07	5.20	9.20
MAA03			40	28.11	76.9	0.11	5.00	10.30
MAA03			50	27.26	82.0	0.16	4.70	11.50
MAA03			63	22.58	83.3	0.25	4.30	13.00
MAA03			80	19.16	86.1	0.36	3.70	14.80
MAA03			100	17.56	90.8	0.56	3.00	16.80
MAA03			125	9.57	89.3	0.85	1.80	18.80
MAA03			160	3.65	90.6	1.27	0.00	21.10
MAA03			200	0.19	91.9	1.83	0.00	22.80
MAA04	2 494	2 498						
MAA04			20	33.45	63.9	0.00	5.60	7.60
MAA04			25	30.60	67.8	0.05	5.40	8.30
MAA04			32	29.67	73.3	0.07	5.20	9.20
MAA04			40	27.12	76.9	0.12	5.00	10.30
MAA04			50	26.27	82.0	0.17	4.70	11.50
MAA04			63	21.57	83.3	0.27	4.30	13.00
MAA04			80	18.15	86.1	0.40	3.70	14.80
MAA04			100	16.52	90.8	0.62	3.00	16.80
MAA04			125	8.50	89.3	0.95	1.80	18.80
MAA04			160	2.52	90.6	1.42	0.00	21.10
MAA04			200	-1.00	91.9	2.05	0.00	22.80
MAA05	2 851	2 854						
MAA05			20	32.29	63.9	0.00	5.60	7.60
MAA05			25	29.43	67.8	0.06	5.40	8.30
MAA05			32	28.51	73.3	0.09	5.20	9.20
MAA05			40	25.95	76.9	0.14	5.00	10.30
MAA05			50	25.09	82.0	0.20	4.70	11.50
MAA05			63	20.38	83.3	0.31	4.30	13.00
MAA05			80	16.93	86.1	0.46	3.70	14.80
MAA05			100	15.28	90.8	0.71	3.00	16.80
MAA05			125	7.21	89.3	1.08	1.80	18.80
MAA05			160	1.16	90.6	1.63	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			200	-2.45	91.9	2.34	0.00	22.80
MAA06	3 842	3 845						
MAA06			20	29.70	63.9	0.00	5.60	7.60
MAA06			25	26.83	67.8	0.08	5.40	8.30
MAA06			32	25.89	73.3	0.12	5.20	9.20
MAA06			40	23.31	76.9	0.19	5.00	10.30
MAA06			50	22.43	82.0	0.27	4.70	11.50
MAA06			63	17.68	83.3	0.42	4.30	13.00
MAA06			80	14.19	86.1	0.62	3.70	14.80
MAA06			100	12.44	90.8	0.96	3.00	16.80
MAA06			125	4.24	89.3	1.46	1.80	18.80
MAA06			160	-1.99	90.6	2.19	0.00	21.10
MAA06			200	-5.85	91.9	3.15	0.00	22.80
MAA07	4 250	4 252						
MAA07			20	28.83	63.9	0.00	5.60	7.60
MAA07			25	25.94	67.8	0.09	5.40	8.30
MAA07			32	25.00	73.3	0.13	5.20	9.20
MAA07			40	22.42	76.9	0.21	5.00	10.30
MAA07			50	21.53	82.0	0.30	4.70	11.50
MAA07			63	16.76	83.3	0.47	4.30	13.00
MAA07			80	13.25	86.1	0.68	3.70	14.80
MAA07			100	11.46	90.8	1.06	3.00	16.80
MAA07			125	3.21	89.3	1.62	1.80	18.80
MAA07			160	-3.10	90.6	2.42	0.00	21.10
MAA07			200	-7.06	91.9	3.49	0.00	22.80
MAA08	4 551	4 553						
MAA08			20	28.23	63.9	0.00	5.60	7.60
MAA08			25	25.34	67.8	0.09	5.40	8.30
MAA08			32	24.40	73.3	0.14	5.20	9.20
MAA08			40	21.81	76.9	0.23	5.00	10.30
MAA08			50	20.92	82.0	0.32	4.70	11.50
MAA08			63	16.13	83.3	0.50	4.30	13.00
MAA08			80	12.61	86.1	0.73	3.70	14.80
MAA08			100	10.80	90.8	1.14	3.00	16.80
MAA08			125	2.50	89.3	1.73	1.80	18.80
MAA08			160	-3.86	90.6	2.60	0.00	21.10
MAA08			200	-7.90	91.9	3.73	0.00	22.80
RAH01	2 787	2 791						
RAH01			20	30.63	62.0	0.00	5.60	7.60
RAH01			25	29.08	67.2	0.06	5.40	8.30
RAH01			32	27.45	72.0	0.08	5.20	9.20
RAH01			40	26.07	76.8	0.14	5.00	10.30
RAH01			50	24.51	81.2	0.20	4.70	11.50
RAH01			63	22.30	85.0	0.31	4.30	13.00
RAH01			80	19.36	88.3	0.45	3.70	14.80
RAH01			100	15.79	91.1	0.70	3.00	16.80
RAH01			125	11.42	93.3	1.06	1.80	18.80
RAH01			160	5.77	95.0	1.59	0.00	21.10
RAH01			200	1.99	96.1	2.29	0.00	22.80
RAH02	3 077	3 081						
RAH02			20	29.78	62.0	0.00	5.60	7.60
RAH02			25	28.21	67.2	0.06	5.40	8.30
RAH02			32	26.58	72.0	0.09	5.20	9.20
RAH02			40	25.20	76.8	0.15	5.00	10.30
RAH02			50	23.64	81.2	0.22	4.70	11.50
RAH02			63	21.41	85.0	0.34	4.30	13.00
RAH02			80	18.46	88.3	0.49	3.70	14.80
RAH02			100	14.86	91.1	0.77	3.00	16.80
RAH02			125	10.46	93.3	1.17	1.80	18.80
RAH02			160	4.75	95.0	1.76	0.00	21.10
RAH02			200	0.90	96.1	2.53	0.00	22.80
RAH03	2 294	2 299						
RAH03			20	32.32	62.0	0.00	5.60	7.60
RAH03			25	30.77	67.2	0.05	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH03			32	29.15	72.0	0.07	5.20	9.20
RAH03			40	27.78	76.8	0.11	5.00	10.30
RAH03			50	26.23	81.2	0.16	4.70	11.50
RAH03			63	24.04	85.0	0.25	4.30	13.00
RAH03			80	21.12	88.3	0.37	3.70	14.80
RAH03			100	17.59	91.1	0.57	3.00	16.80
RAH03			125	13.29	93.3	0.87	1.80	18.80
RAH03			160	7.73	95.0	1.31	0.00	21.10
RAH03			200	4.08	96.1	1.89	0.00	22.80
RAH04	3 334	3 337						
RAH04			20	29.08	62.0	0.00	5.60	7.60
RAH04			25	27.51	67.2	0.07	5.40	8.30
RAH04			32	25.88	72.0	0.10	5.20	9.20
RAH04			40	24.49	76.8	0.17	5.00	10.30
RAH04			50	22.92	81.2	0.23	4.70	11.50
RAH04			63	20.69	85.0	0.37	4.30	13.00
RAH04			80	17.72	88.3	0.53	3.70	14.80
RAH04			100	14.10	91.1	0.83	3.00	16.80
RAH04			125	9.66	93.3	1.27	1.80	18.80
RAH04			160	3.91	95.0	1.90	0.00	21.10
RAH04			200	0.00	96.1	2.74	0.00	22.80
RAH05	2 583	2 588						
RAH05			20	31.29	62.0	0.00	5.60	7.60
RAH05			25	29.74	67.2	0.05	5.40	8.30
RAH05			32	28.11	72.0	0.08	5.20	9.20
RAH05			40	26.74	76.8	0.13	5.00	10.30
RAH05			50	25.18	81.2	0.18	4.70	11.50
RAH05			63	22.98	85.0	0.28	4.30	13.00
RAH05			80	20.05	88.3	0.41	3.70	14.80
RAH05			100	16.49	91.1	0.65	3.00	16.80
RAH05			125	12.16	93.3	0.98	1.80	18.80
RAH05			160	6.54	95.0	1.48	0.00	21.10
RAH05			200	2.82	96.1	2.12	0.00	22.80
RAH06	3 135	3 138						
RAH06			20	29.61	62.0	0.00	5.60	7.60
RAH06			25	28.05	67.2	0.06	5.40	8.30
RAH06			32	26.42	72.0	0.09	5.20	9.20
RAH06			40	25.03	76.8	0.16	5.00	10.30
RAH06			50	23.47	81.2	0.22	4.70	11.50
RAH06			63	21.24	85.0	0.35	4.30	13.00
RAH06			80	18.29	88.3	0.50	3.70	14.80
RAH06			100	14.68	91.1	0.78	3.00	16.80
RAH06			125	10.27	93.3	1.19	1.80	18.80
RAH06			160	4.55	95.0	1.79	0.00	21.10
RAH06			200	0.69	96.1	2.57	0.00	22.80
RAH07	4 825	4 828						
RAH07			20	25.87	62.0	0.00	5.60	7.60
RAH07			25	24.28	67.2	0.10	5.40	8.30
RAH07			32	22.63	72.0	0.14	5.20	9.20
RAH07			40	21.21	76.8	0.24	5.00	10.30
RAH07			50	19.61	81.2	0.34	4.70	11.50
RAH07			63	17.32	85.0	0.53	4.30	13.00
RAH07			80	14.28	88.3	0.77	3.70	14.80
RAH07			100	10.52	91.1	1.21	3.00	16.80
RAH07			125	5.89	93.3	1.83	1.80	18.80
RAH07			160	-0.15	95.0	2.75	0.00	21.10
RAH07			200	-4.43	96.1	3.96	0.00	22.80
RAH08	4 734	4 736						
RAH08			20	26.04	62.0	0.00	5.60	7.60
RAH08			25	24.45	67.2	0.09	5.40	8.30
RAH08			32	22.80	72.0	0.14	5.20	9.20
RAH08			40	21.38	76.8	0.24	5.00	10.30
RAH08			50	19.78	81.2	0.33	4.70	11.50
RAH08			63	17.50	85.0	0.52	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH08			80	14.46	88.3	0.76	3.70	14.80
RAH08			100	10.71	91.1	1.18	3.00	16.80
RAH08			125	6.09	93.3	1.80	1.80	18.80
RAH08			160	0.07	95.0	2.70	0.00	21.10
RAH08			200	-4.19	96.1	3.88	0.00	22.80
RAH09	4 022	4 025						
RAH09			20	27.45	62.0	0.00	5.60	7.60
RAH09			25	25.87	67.2	0.08	5.40	8.30
RAH09			32	24.23	72.0	0.12	5.20	9.20
RAH09			40	22.83	76.8	0.20	5.00	10.30
RAH09			50	21.25	81.2	0.28	4.70	11.50
RAH09			63	18.99	85.0	0.44	4.30	13.00
RAH09			80	15.98	88.3	0.64	3.70	14.80
RAH09			100	12.30	91.1	1.01	3.00	16.80
RAH09			125	7.78	93.3	1.53	1.80	18.80
RAH09			160	1.89	95.0	2.29	0.00	21.10
RAH09			200	-2.20	96.1	3.30	0.00	22.80
RAH10	4 181	4 184						
RAH10			20	27.12	62.0	0.00	5.60	7.60
RAH10			25	25.53	67.2	0.08	5.40	8.30
RAH10			32	23.89	72.0	0.13	5.20	9.20
RAH10			40	22.48	76.8	0.21	5.00	10.30
RAH10			50	20.90	81.2	0.29	4.70	11.50
RAH10			63	18.63	85.0	0.46	4.30	13.00
RAH10			80	15.62	88.3	0.67	3.70	14.80
RAH10			100	11.92	91.1	1.05	3.00	16.80
RAH10			125	7.38	93.3	1.59	1.80	18.80
RAH10			160	1.46	95.0	2.38	0.00	21.10
RAH10			200	-2.66	96.1	3.43	0.00	22.80
RAH11	2 204	2 210						
RAH11			20	32.66	62.0	0.00	5.60	7.60
RAH11			25	31.12	67.2	0.04	5.40	8.30
RAH11			32	29.50	72.0	0.07	5.20	9.20
RAH11			40	28.13	76.8	0.11	5.00	10.30
RAH11			50	26.58	81.2	0.15	4.70	11.50
RAH11			63	24.40	85.0	0.24	4.30	13.00
RAH11			80	21.48	88.3	0.35	3.70	14.80
RAH11			100	17.96	91.1	0.55	3.00	16.80
RAH11			125	13.67	93.3	0.84	1.80	18.80
RAH11			160	8.13	95.0	1.26	0.00	21.10
RAH11			200	4.50	96.1	1.81	0.00	22.80
RAH12	2 884	2 888						
RAH12			20	30.34	62.0	0.00	5.60	7.60
RAH12			25	28.78	67.2	0.06	5.40	8.30
RAH12			32	27.15	72.0	0.09	5.20	9.20
RAH12			40	25.77	76.8	0.14	5.00	10.30
RAH12			50	24.21	81.2	0.20	4.70	11.50
RAH12			63	22.00	85.0	0.32	4.30	13.00
RAH12			80	19.05	88.3	0.46	3.70	14.80
RAH12			100	15.47	91.1	0.72	3.00	16.80
RAH12			125	11.09	93.3	1.10	1.80	18.80
RAH12			160	5.42	95.0	1.65	0.00	21.10
RAH12			200	1.62	96.1	2.37	0.00	22.80
RAH13	2 657	2 662						
RAH13			20	31.05	62.0	0.00	5.60	7.60
RAH13			25	29.49	67.2	0.05	5.40	8.30
RAH13			32	27.87	72.0	0.08	5.20	9.20
RAH13			40	26.49	76.8	0.13	5.00	10.30
RAH13			50	24.93	81.2	0.19	4.70	11.50
RAH13			63	22.73	85.0	0.29	4.30	13.00
RAH13			80	19.79	88.3	0.43	3.70	14.80
RAH13			100	16.23	91.1	0.67	3.00	16.80
RAH13			125	11.89	93.3	1.01	1.80	18.80
RAH13			160	6.26	95.0	1.52	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			200	2.51	96.1	2.18	0.00	22.80
RAH14	2 002	2 008						
RAH14			20	33.49	62.0	0.00	5.60	7.60
RAH14			25	31.95	67.2	0.04	5.40	8.30
RAH14			32	30.33	72.0	0.06	5.20	9.20
RAH14			40	28.97	76.8	0.10	5.00	10.30
RAH14			50	27.43	81.2	0.14	4.70	11.50
RAH14			63	25.25	85.0	0.22	4.30	13.00
RAH14			80	22.35	88.3	0.32	3.70	14.80
RAH14			100	18.84	91.1	0.50	3.00	16.80
RAH14			125	14.58	93.3	0.76	1.80	18.80
RAH14			160	9.08	95.0	1.14	0.00	21.10
RAH14			200	5.50	96.1	1.65	0.00	22.80
RAH15	2 814	2 818						
RAH15			20	30.55	62.0	0.00	5.60	7.60
RAH15			25	28.99	67.2	0.06	5.40	8.30
RAH15			32	27.36	72.0	0.08	5.20	9.20
RAH15			40	25.98	76.8	0.14	5.00	10.30
RAH15			50	24.43	81.2	0.20	4.70	11.50
RAH15			63	22.22	85.0	0.31	4.30	13.00
RAH15			80	19.27	88.3	0.45	3.70	14.80
RAH15			100	15.70	91.1	0.70	3.00	16.80
RAH15			125	11.33	93.3	1.07	1.80	18.80
RAH15			160	5.67	95.0	1.61	0.00	21.10
RAH15			200	1.89	96.1	2.31	0.00	22.80
RAH16	3 437	3 441						
RAH16			20	28.82	62.0	0.00	5.60	7.60
RAH16			25	27.25	67.2	0.07	5.40	8.30
RAH16			32	25.61	72.0	0.10	5.20	9.20
RAH16			40	24.22	76.8	0.17	5.00	10.30
RAH16			50	22.65	81.2	0.24	4.70	11.50
RAH16			63	20.41	85.0	0.38	4.30	13.00
RAH16			80	17.44	88.3	0.55	3.70	14.80
RAH16			100	13.81	91.1	0.86	3.00	16.80
RAH16			125	9.36	93.3	1.31	1.80	18.80
RAH16			160	3.58	95.0	1.96	0.00	21.10
RAH16			200	-0.35	96.1	2.82	0.00	22.80
RAH17	2 006	2 014						
RAH17			20	33.47	62.0	0.00	5.60	7.60
RAH17			25	31.93	67.2	0.04	5.40	8.30
RAH17			32	30.31	72.0	0.06	5.20	9.20
RAH17			40	28.94	76.8	0.10	5.00	10.30
RAH17			50	27.40	81.2	0.14	4.70	11.50
RAH17			63	25.22	85.0	0.22	4.30	13.00
RAH17			80	22.32	88.3	0.32	3.70	14.80
RAH17			100	18.82	91.1	0.50	3.00	16.80
RAH17			125	14.55	93.3	0.77	1.80	18.80
RAH17			160	9.05	95.0	1.15	0.00	21.10
RAH17			200	5.47	96.1	1.65	0.00	22.80
RAH18	2 546	2 552						
RAH18			20	31.41	62.0	0.00	5.60	7.60
RAH18			25	29.86	67.2	0.05	5.40	8.30
RAH18			32	28.23	72.0	0.08	5.20	9.20
RAH18			40	26.86	76.8	0.13	5.00	10.30
RAH18			50	25.31	81.2	0.18	4.70	11.50
RAH18			63	23.10	85.0	0.28	4.30	13.00
RAH18			80	20.18	88.3	0.41	3.70	14.80
RAH18			100	16.62	91.1	0.64	3.00	16.80
RAH18			125	12.29	93.3	0.97	1.80	18.80
RAH18			160	6.68	95.0	1.45	0.00	21.10
RAH18			200	2.97	96.1	2.09	0.00	22.80
RAH19	2 753	2 758						
RAH19			20	30.74	62.0	0.00	5.60	7.60
RAH19			25	29.18	67.2	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH19			32	27.55	72.0	0.08	5.20	9.20
RAH19			40	26.17	76.8	0.14	5.00	10.30
RAH19			50	24.62	81.2	0.19	4.70	11.50
RAH19			63	22.41	85.0	0.30	4.30	13.00
RAH19			80	19.47	88.3	0.44	3.70	14.80
RAH19			100	15.90	91.1	0.69	3.00	16.80
RAH19			125	11.54	93.3	1.05	1.80	18.80
RAH19			160	5.89	95.0	1.57	0.00	21.10
RAH19			200	2.13	96.1	2.26	0.00	22.80
SIL01	8 597	8 599						
SIL01			20	22.13	63.3	0.00	5.60	7.60
SIL01			25	20.36	68.4	0.17	5.40	8.30
SIL01			32	14.38	68.9	0.26	5.20	9.20
SIL01			40	11.30	72.1	0.43	5.00	10.30
SIL01			50	9.93	76.8	0.60	4.70	11.50
SIL01			63	6.67	79.8	0.95	4.30	13.00
SIL01			80	2.95	82.6	1.38	3.70	14.80
SIL01			100	-0.51	86.0	2.15	3.00	16.80
SIL01			125	-4.57	89.3	3.27	1.80	18.80
SIL01			160	-14.11	88.2	4.90	0.00	21.10
SIL01			200	-18.65	90.0	7.05	0.00	22.80
SIL02	8 144	8 146						
SIL02			20	22.60	63.3	0.00	5.60	7.60
SIL02			25	20.84	68.4	0.16	5.40	8.30
SIL02			32	14.87	68.9	0.24	5.20	9.20
SIL02			40	11.80	72.1	0.41	5.00	10.30
SIL02			50	10.43	76.8	0.57	4.70	11.50
SIL02			63	7.19	79.8	0.90	4.30	13.00
SIL02			80	3.49	82.6	1.30	3.70	14.80
SIL02			100	0.07	86.0	2.04	3.00	16.80
SIL02			125	-3.93	89.3	3.10	1.80	18.80
SIL02			160	-13.38	88.2	4.64	0.00	21.10
SIL02			200	-17.81	90.0	6.68	0.00	22.80
SIL03	7 555	7 556						
SIL03			20	23.26	63.3	0.00	5.60	7.60
SIL03			25	21.50	68.4	0.15	5.40	8.30
SIL03			32	15.54	68.9	0.23	5.20	9.20
SIL03			40	12.48	72.1	0.38	5.00	10.30
SIL03			50	11.13	76.8	0.53	4.70	11.50
SIL03			63	7.91	79.8	0.83	4.30	13.00
SIL03			80	4.24	82.6	1.21	3.70	14.80
SIL03			100	0.87	86.0	1.89	3.00	16.80
SIL03			125	-3.05	89.3	2.87	1.80	18.80
SIL03			160	-12.39	88.2	4.31	0.00	21.10
SIL03			200	-16.67	90.0	6.20	0.00	22.80
SIL04	7 502	7 504						
SIL04			20	23.32	63.3	0.00	5.60	7.60
SIL04			25	21.56	68.4	0.15	5.40	8.30
SIL04			32	15.60	68.9	0.23	5.20	9.20
SIL04			40	12.54	72.1	0.38	5.00	10.30
SIL04			50	11.19	76.8	0.53	4.70	11.50
SIL04			63	7.97	79.8	0.83	4.30	13.00
SIL04			80	4.31	82.6	1.20	3.70	14.80
SIL04			100	0.95	86.0	1.88	3.00	16.80
SIL04			125	-2.97	89.3	2.85	1.80	18.80
SIL04			160	-12.30	88.2	4.28	0.00	21.10
SIL04			200	-16.57	90.0	6.15	0.00	22.80
SIL05	8 306	8 307						
SIL05			20	22.43	63.3	0.00	5.60	7.60
SIL05			25	20.66	68.4	0.17	5.40	8.30
SIL05			32	14.69	68.9	0.25	5.20	9.20
SIL05			40	11.62	72.1	0.42	5.00	10.30
SIL05			50	10.25	76.8	0.58	4.70	11.50
SIL05			63	7.00	79.8	0.91	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL05			80	3.29	82.6	1.33	3.70	14.80
SIL05			100	-0.14	86.0	2.08	3.00	16.80
SIL05			125	-4.16	89.3	3.16	1.80	18.80
SIL05			160	-13.64	88.2	4.74	0.00	21.10
SIL05			200	-18.11	90.0	6.81	0.00	22.80
SIL06	7 961	7 962						
SIL06			20	22.80	63.3	0.00	5.60	7.60
SIL06			25	21.04	68.4	0.16	5.40	8.30
SIL06			32	15.07	68.9	0.24	5.20	9.20
SIL06			40	12.00	72.1	0.40	5.00	10.30
SIL06			50	10.65	76.8	0.56	4.70	11.50
SIL06			63	7.41	79.8	0.88	4.30	13.00
SIL06			80	3.72	82.6	1.27	3.70	14.80
SIL06			100	0.32	86.0	1.99	3.00	16.80
SIL06			125	-3.66	89.3	3.03	1.80	18.80
SIL06			160	-13.08	88.2	4.54	0.00	21.10
SIL06			200	-17.46	90.0	6.53	0.00	22.80
SIL07	7 390	7 391						
SIL07			20	23.45	63.3	0.00	5.60	7.60
SIL07			25	21.70	68.4	0.15	5.40	8.30
SIL07			32	15.73	68.9	0.22	5.20	9.20
SIL07			40	12.68	72.1	0.37	5.00	10.30
SIL07			50	11.33	76.8	0.52	4.70	11.50
SIL07			63	8.12	79.8	0.81	4.30	13.00
SIL07			80	4.45	82.6	1.18	3.70	14.80
SIL07			100	1.11	86.0	1.85	3.00	16.80
SIL07			125	-2.79	89.3	2.81	1.80	18.80
SIL07			160	-12.11	88.2	4.21	0.00	21.10
SIL07			200	-16.35	90.0	6.06	0.00	22.80
SIL08	7 710	7 711						
SIL08			20	23.08	63.3	0.00	5.60	7.60
SIL08			25	21.32	68.4	0.15	5.40	8.30
SIL08			32	15.36	68.9	0.23	5.20	9.20
SIL08			40	12.30	72.1	0.39	5.00	10.30
SIL08			50	10.94	76.8	0.54	4.70	11.50
SIL08			63	7.72	79.8	0.85	4.30	13.00
SIL08			80	4.04	82.6	1.23	3.70	14.80
SIL08			100	0.66	86.0	1.93	3.00	16.80
SIL08			125	-3.28	89.3	2.93	1.80	18.80
SIL08			160	-12.66	88.2	4.40	0.00	21.10
SIL08			200	-16.98	90.0	6.32	0.00	22.80
Sum								
Sum			20	46.91				
Sum			25	44.70				
Sum			32	43.31				
Sum			40	41.36				
Sum			50	40.11				
Sum			63	36.88				
Sum			80	33.77				
Sum			100	30.85				
Sum			125	25.35				
Sum			160	19.58				
Sum			200	15.84				

Noise sensitive area: O Noise sensitive point: Finnish normal frequency - User defined (34)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 894	4 897						
KAR01			20	27.60	63.9	0.00	5.60	7.60
KAR01			25	24.70	67.8	0.10	5.40	8.30
KAR01			32	23.76	73.3	0.15	5.20	9.20
KAR01			40	21.16	76.9	0.24	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01			50	20.26	82.0	0.34	4.70	11.50
KAR01			63	15.46	83.3	0.54	4.30	13.00
KAR01			80	11.92	86.1	0.78	3.70	14.80
KAR01			100	10.08	90.8	1.22	3.00	16.80
KAR01			125	1.74	89.3	1.86	1.80	18.80
KAR01			160	-4.69	90.6	2.79	0.00	21.10
KAR01			200	-8.81	91.9	4.02	0.00	22.80
KAR02	5 973	5 976						
KAR02			20	25.87	63.9	0.00	5.60	7.60
KAR02			25	22.95	67.8	0.12	5.40	8.30
KAR02			32	21.99	73.3	0.18	5.20	9.20
KAR02			40	19.37	76.9	0.30	5.00	10.30
KAR02			50	18.45	82.0	0.42	4.70	11.50
KAR02			63	13.62	83.3	0.66	4.30	13.00
KAR02			80	10.02	86.1	0.96	3.70	14.80
KAR02			100	8.08	90.8	1.49	3.00	16.80
KAR02			125	-0.40	89.3	2.27	1.80	18.80
KAR02			160	-7.03	90.6	3.41	0.00	21.10
KAR02			200	-11.43	91.9	4.90	0.00	22.80
KAR03	5 577	5 580						
KAR03			20	26.47	63.9	0.00	5.60	7.60
KAR03			25	23.56	67.8	0.11	5.40	8.30
KAR03			32	22.60	73.3	0.17	5.20	9.20
KAR03			40	19.99	76.9	0.28	5.00	10.30
KAR03			50	19.08	82.0	0.39	4.70	11.50
KAR03			63	14.25	83.3	0.61	4.30	13.00
KAR03			80	10.68	86.1	0.89	3.70	14.80
KAR03			100	8.77	90.8	1.39	3.00	16.80
KAR03			125	0.35	89.3	2.12	1.80	18.80
KAR03			160	-6.21	90.6	3.18	0.00	21.10
KAR03			200	-10.51	91.9	4.58	0.00	22.80
KAR04	5 348	5 350						
KAR04			20	26.83	63.9	0.00	5.60	7.60
KAR04			25	23.93	67.8	0.11	5.40	8.30
KAR04			32	22.97	73.3	0.16	5.20	9.20
KAR04			40	20.36	76.9	0.27	5.00	10.30
KAR04			50	19.46	82.0	0.37	4.70	11.50
KAR04			63	14.64	83.3	0.59	4.30	13.00
KAR04			80	11.08	86.1	0.86	3.70	14.80
KAR04			100	9.19	90.8	1.34	3.00	16.80
KAR04			125	0.80	89.3	2.03	1.80	18.80
KAR04			160	-5.72	90.6	3.05	0.00	21.10
KAR04			200	-9.96	91.9	4.39	0.00	22.80
KAR05	5 147	5 150						
KAR05			20	27.16	63.9	0.00	5.60	7.60
KAR05			25	24.26	67.8	0.10	5.40	8.30
KAR05			32	23.31	73.3	0.15	5.20	9.20
KAR05			40	20.71	76.9	0.26	5.00	10.30
KAR05			50	19.80	82.0	0.36	4.70	11.50
KAR05			63	15.00	83.3	0.57	4.30	13.00
KAR05			80	11.44	86.1	0.82	3.70	14.80
KAR05			100	9.58	90.8	1.29	3.00	16.80
KAR05			125	1.21	89.3	1.96	1.80	18.80
KAR05			160	-5.27	90.6	2.94	0.00	21.10
KAR05			200	-9.46	91.9	4.22	0.00	22.80
KAR06	6 209	6 211						
KAR06			20	25.54	63.9	0.00	5.60	7.60
KAR06			25	22.61	67.8	0.12	5.40	8.30
KAR06			32	21.65	73.3	0.19	5.20	9.20
KAR06			40	19.03	76.9	0.31	5.00	10.30
KAR06			50	18.10	82.0	0.43	4.70	11.50
KAR06			63	13.25	83.3	0.68	4.30	13.00
KAR06			80	9.64	86.1	0.99	3.70	14.80
KAR06			100	7.68	90.8	1.55	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			125	-0.82	89.3	2.36	1.80	18.80
KAR06			160	-7.50	90.6	3.54	0.00	21.10
KAR06			200	-11.96	91.9	5.09	0.00	22.80
KAR07	6 837	6 839						
KAR07			20	24.70	63.9	0.00	5.60	7.60
KAR07			25	21.76	67.8	0.14	5.40	8.30
KAR07			32	20.79	73.3	0.21	5.20	9.20
KAR07			40	18.16	76.9	0.34	5.00	10.30
KAR07			50	17.22	82.0	0.48	4.70	11.50
KAR07			63	12.35	83.3	0.75	4.30	13.00
KAR07			80	8.71	86.1	1.09	3.70	14.80
KAR07			100	6.69	90.8	1.71	3.00	16.80
KAR07			125	-1.90	89.3	2.60	1.80	18.80
KAR07			160	-8.70	90.6	3.90	0.00	21.10
KAR07			200	-13.31	91.9	5.61	0.00	22.80
KAR08	7 527	7 529						
KAR08			20	23.87	63.9	0.00	5.60	7.60
KAR08			25	20.92	67.8	0.15	5.40	8.30
KAR08			32	19.94	73.3	0.23	5.20	9.20
KAR08			40	17.29	76.9	0.38	5.00	10.30
KAR08			50	16.34	82.0	0.53	4.70	11.50
KAR08			63	11.44	83.3	0.83	4.30	13.00
KAR08			80	7.76	86.1	1.20	3.70	14.80
KAR08			100	5.68	90.8	1.88	3.00	16.80
KAR08			125	-3.00	89.3	2.86	1.80	18.80
KAR08			160	-9.93	90.6	4.29	0.00	21.10
KAR08			200	-14.71	91.9	6.17	0.00	22.80
KAR09	5 754	5 757						
KAR09			20	26.20	63.9	0.00	5.60	7.60
KAR09			25	23.28	67.8	0.12	5.40	8.30
KAR09			32	22.32	73.3	0.17	5.20	9.20
KAR09			40	19.71	76.9	0.29	5.00	10.30
KAR09			50	18.79	82.0	0.40	4.70	11.50
KAR09			63	13.96	83.3	0.63	4.30	13.00
KAR09			80	10.38	86.1	0.92	3.70	14.80
KAR09			100	8.46	90.8	1.44	3.00	16.80
KAR09			125	0.01	89.3	2.19	1.80	18.80
KAR09			160	-6.58	90.6	3.28	0.00	21.10
KAR09			200	-10.92	91.9	4.72	0.00	22.80
KAR10	6 107	6 110						
KAR10			20	25.68	63.9	0.00	5.60	7.60
KAR10			25	22.76	67.8	0.12	5.40	8.30
KAR10			32	21.80	73.3	0.18	5.20	9.20
KAR10			40	19.17	76.9	0.31	5.00	10.30
KAR10			50	18.25	82.0	0.43	4.70	11.50
KAR10			63	13.41	83.3	0.67	4.30	13.00
KAR10			80	9.80	86.1	0.98	3.70	14.80
KAR10			100	7.85	90.8	1.53	3.00	16.80
KAR10			125	-0.64	89.3	2.32	1.80	18.80
KAR10			160	-7.30	90.6	3.48	0.00	21.10
KAR10			200	-11.73	91.9	5.01	0.00	22.80
KAR11	6 952	6 954						
KAR11			20	24.55	63.9	0.00	5.60	7.60
KAR11			25	21.62	67.8	0.14	5.40	8.30
KAR11			32	20.65	73.3	0.21	5.20	9.20
KAR11			40	18.01	76.9	0.35	5.00	10.30
KAR11			50	17.07	82.0	0.49	4.70	11.50
KAR11			63	12.19	83.3	0.76	4.30	13.00
KAR11			80	8.54	86.1	1.11	3.70	14.80
KAR11			100	6.52	90.8	1.74	3.00	16.80
KAR11			125	-2.09	89.3	2.64	1.80	18.80
KAR11			160	-8.91	90.6	3.96	0.00	21.10
KAR11			200	-13.55	91.9	5.70	0.00	22.80
KAR12	6 821	6 823						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR12			20	24.72	63.9	0.00	5.60	7.60
KAR12			25	21.78	67.8	0.14	5.40	8.30
KAR12			32	20.82	73.3	0.20	5.20	9.20
KAR12			40	18.18	76.9	0.34	5.00	10.30
KAR12			50	17.24	82.0	0.48	4.70	11.50
KAR12			63	12.37	83.3	0.75	4.30	13.00
KAR12			80	8.73	86.1	1.09	3.70	14.80
KAR12			100	6.71	90.8	1.71	3.00	16.80
KAR12			125	-1.87	89.3	2.59	1.80	18.80
KAR12			160	-8.67	90.6	3.89	0.00	21.10
KAR12			200	-13.27	91.9	5.59	0.00	22.80
KAR13	7 531	7 533						
KAR13			20	23.86	63.9	0.00	5.60	7.60
KAR13			25	20.91	67.8	0.15	5.40	8.30
KAR13			32	19.93	73.3	0.23	5.20	9.20
KAR13			40	17.28	76.9	0.38	5.00	10.30
KAR13			50	16.33	82.0	0.53	4.70	11.50
KAR13			63	11.43	83.3	0.83	4.30	13.00
KAR13			80	7.76	86.1	1.21	3.70	14.80
KAR13			100	5.68	90.8	1.88	3.00	16.80
KAR13			125	-3.00	89.3	2.86	1.80	18.80
KAR13			160	-9.93	90.6	4.29	0.00	21.10
KAR13			200	-14.72	91.9	6.18	0.00	22.80
KAR14	6 684	6 687						
KAR14			20	24.90	63.9	0.00	5.60	7.60
KAR14			25	21.96	67.8	0.13	5.40	8.30
KAR14			32	20.99	73.3	0.20	5.20	9.20
KAR14			40	18.36	76.9	0.33	5.00	10.30
KAR14			50	17.43	82.0	0.47	4.70	11.50
KAR14			63	12.56	83.3	0.74	4.30	13.00
KAR14			80	8.93	86.1	1.07	3.70	14.80
KAR14			100	6.92	90.8	1.67	3.00	16.80
KAR14			125	-1.65	89.3	2.54	1.80	18.80
KAR14			160	-8.42	90.6	3.81	0.00	21.10
KAR14			200	-12.99	91.9	5.48	0.00	22.80
KAR15	8 007	8 009						
KAR15			20	23.33	63.9	0.00	5.60	7.60
KAR15			25	20.37	67.8	0.16	5.40	8.30
KAR15			32	19.39	73.3	0.24	5.20	9.20
KAR15			40	16.73	76.9	0.40	5.00	10.30
KAR15			50	15.77	82.0	0.56	4.70	11.50
KAR15			63	10.85	83.3	0.88	4.30	13.00
KAR15			80	7.15	86.1	1.28	3.70	14.80
KAR15			100	5.03	90.8	2.00	3.00	16.80
KAR15			125	-3.71	89.3	3.04	1.80	18.80
KAR15			160	-10.74	90.6	4.56	0.00	21.10
KAR15			200	-15.64	91.9	6.57	0.00	22.80
KAR16	7 369	7 371						
KAR16			20	24.05	63.9	0.00	5.60	7.60
KAR16			25	21.10	67.8	0.15	5.40	8.30
KAR16			32	20.13	73.3	0.22	5.20	9.20
KAR16			40	17.48	76.9	0.37	5.00	10.30
KAR16			50	16.53	82.0	0.52	4.70	11.50
KAR16			63	11.64	83.3	0.81	4.30	13.00
KAR16			80	7.97	86.1	1.18	3.70	14.80
KAR16			100	5.91	90.8	1.84	3.00	16.80
KAR16			125	-2.75	89.3	2.80	1.80	18.80
KAR16			160	-9.65	90.6	4.20	0.00	21.10
KAR16			200	-14.40	91.9	6.04	0.00	22.80
KAR17	7 810	7 811						
KAR17			20	23.55	63.9	0.00	5.60	7.60
KAR17			25	20.59	67.8	0.16	5.40	8.30
KAR17			32	19.61	73.3	0.23	5.20	9.20
KAR17			40	16.95	76.9	0.39	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR17			50	16.00	82.0	0.55	4.70	11.50
KAR17			63	11.09	83.3	0.86	4.30	13.00
KAR17			80	7.40	86.1	1.25	3.70	14.80
KAR17			100	5.29	90.8	1.95	3.00	16.80
KAR17			125	-3.42	89.3	2.97	1.80	18.80
KAR17			160	-10.41	90.6	4.45	0.00	21.10
KAR17			200	-15.26	91.9	6.41	0.00	22.80
KAR18	7 231	7 233						
KAR18			20	24.21	63.9	0.00	5.60	7.60
KAR18			25	21.27	67.8	0.14	5.40	8.30
KAR18			32	20.30	73.3	0.22	5.20	9.20
KAR18			40	17.65	76.9	0.36	5.00	10.30
KAR18			50	16.71	82.0	0.51	4.70	11.50
KAR18			63	11.82	83.3	0.80	4.30	13.00
KAR18			80	8.16	86.1	1.16	3.70	14.80
KAR18			100	6.11	90.8	1.81	3.00	16.80
KAR18			125	-2.53	89.3	2.75	1.80	18.80
KAR18			160	-9.41	90.6	4.12	0.00	21.10
KAR18			200	-14.12	91.9	5.93	0.00	22.80
KAR19	8 739	8 741						
KAR19			20	22.57	63.9	0.00	5.60	7.60
KAR19			25	19.59	67.8	0.17	5.40	8.30
KAR19			32	18.61	73.3	0.26	5.20	9.20
KAR19			40	15.93	76.9	0.44	5.00	10.30
KAR19			50	14.96	82.0	0.61	4.70	11.50
KAR19			63	10.01	83.3	0.96	4.30	13.00
KAR19			80	6.27	86.1	1.40	3.70	14.80
KAR19			100	4.08	90.8	2.19	3.00	16.80
KAR19			125	-4.75	89.3	3.32	1.80	18.80
KAR19			160	-11.91	90.6	4.98	0.00	21.10
KAR19			200	-17.00	91.9	7.17	0.00	22.80
KAR20	8 064	8 066						
KAR20			20	23.27	63.9	0.00	5.60	7.60
KAR20			25	20.31	67.8	0.16	5.40	8.30
KAR20			32	19.32	73.3	0.24	5.20	9.20
KAR20			40	16.66	76.9	0.40	5.00	10.30
KAR20			50	15.70	82.0	0.56	4.70	11.50
KAR20			63	10.78	83.3	0.89	4.30	13.00
KAR20			80	7.08	86.1	1.29	3.70	14.80
KAR20			100	4.95	90.8	2.02	3.00	16.80
KAR20			125	-3.80	89.3	3.07	1.80	18.80
KAR20			160	-10.83	90.6	4.60	0.00	21.10
KAR20			200	-15.75	91.9	6.61	0.00	22.80
KAR21	8 474	8 476						
KAR21			20	22.84	63.9	0.00	5.60	7.60
KAR21			25	19.87	67.8	0.17	5.40	8.30
KAR21			32	18.88	73.3	0.25	5.20	9.20
KAR21			40	16.21	76.9	0.42	5.00	10.30
KAR21			50	15.24	82.0	0.59	4.70	11.50
KAR21			63	10.30	83.3	0.93	4.30	13.00
KAR21			80	6.58	86.1	1.36	3.70	14.80
KAR21			100	4.42	90.8	2.12	3.00	16.80
KAR21			125	-4.38	89.3	3.22	1.80	18.80
KAR21			160	-11.50	90.6	4.83	0.00	21.10
KAR21			200	-16.51	91.9	6.95	0.00	22.80
KAR22	8 920	8 921						
KAR22			20	22.39	63.9	0.00	5.60	7.60
KAR22			25	19.41	67.8	0.18	5.40	8.30
KAR22			32	18.42	73.3	0.27	5.20	9.20
KAR22			40	15.75	76.9	0.45	5.00	10.30
KAR22			50	14.77	82.0	0.62	4.70	11.50
KAR22			63	9.81	83.3	0.98	4.30	13.00
KAR22			80	6.06	86.1	1.43	3.70	14.80
KAR22			100	3.86	90.8	2.23	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			125	-5.00	89.3	3.39	1.80	18.80
KAR22			160	-12.19	90.6	5.09	0.00	21.10
KAR22			200	-17.32	91.9	7.32	0.00	22.80
KAR23	9 206	9 208						
KAR23			20	22.12	63.9	0.00	5.60	7.60
KAR23			25	19.13	67.8	0.18	5.40	8.30
KAR23			32	18.14	73.3	0.28	5.20	9.20
KAR23			40	15.46	76.9	0.46	5.00	10.30
KAR23			50	14.47	82.0	0.64	4.70	11.50
KAR23			63	9.50	83.3	1.01	4.30	13.00
KAR23			80	5.74	86.1	1.47	3.70	14.80
KAR23			100	3.51	90.8	2.30	3.00	16.80
KAR23			125	-5.38	89.3	3.50	1.80	18.80
KAR23			160	-12.63	90.6	5.25	0.00	21.10
KAR23			200	-17.83	91.9	7.55	0.00	22.80
KAR24	4 356	4 360						
KAR24			20	28.61	63.9	0.00	5.60	7.60
KAR24			25	25.72	67.8	0.09	5.40	8.30
KAR24			32	24.78	73.3	0.13	5.20	9.20
KAR24			40	22.19	76.9	0.22	5.00	10.30
KAR24			50	21.31	82.0	0.31	4.70	11.50
KAR24			63	16.53	83.3	0.48	4.30	13.00
KAR24			80	13.01	86.1	0.70	3.70	14.80
KAR24			100	11.22	90.8	1.09	3.00	16.80
KAR24			125	2.95	89.3	1.66	1.80	18.80
KAR24			160	-3.37	90.6	2.48	0.00	21.10
KAR24			200	-7.36	91.9	3.57	0.00	22.80
KAR25	5 443	5 446						
KAR25			20	26.68	63.9	0.00	5.60	7.60
KAR25			25	23.77	67.8	0.11	5.40	8.30
KAR25			32	22.82	73.3	0.16	5.20	9.20
KAR25			40	20.21	76.9	0.27	5.00	10.30
KAR25			50	19.30	82.0	0.38	4.70	11.50
KAR25			63	14.48	83.3	0.60	4.30	13.00
KAR25			80	10.91	86.1	0.87	3.70	14.80
KAR25			100	9.02	90.8	1.36	3.00	16.80
KAR25			125	0.61	89.3	2.07	1.80	18.80
KAR25			160	-5.93	90.6	3.10	0.00	21.10
KAR25			200	-10.19	91.9	4.47	0.00	22.80
MAA01	6 397	6 398						
MAA01			20	25.28	63.9	0.00	5.60	7.60
MAA01			25	22.35	67.8	0.13	5.40	8.30
MAA01			32	21.39	73.3	0.19	5.20	9.20
MAA01			40	18.76	76.9	0.32	5.00	10.30
MAA01			50	17.83	82.0	0.45	4.70	11.50
MAA01			63	12.98	83.3	0.70	4.30	13.00
MAA01			80	9.36	86.1	1.02	3.70	14.80
MAA01			100	7.38	90.8	1.60	3.00	16.80
MAA01			125	-1.15	89.3	2.43	1.80	18.80
MAA01			160	-7.87	90.6	3.65	0.00	21.10
MAA01			200	-12.37	91.9	5.25	0.00	22.80
MAA03	7 143	7 144						
MAA03			20	24.32	63.9	0.00	5.60	7.60
MAA03			25	21.38	67.8	0.14	5.40	8.30
MAA03			32	20.41	73.3	0.21	5.20	9.20
MAA03			40	17.76	76.9	0.36	5.00	10.30
MAA03			50	16.82	82.0	0.50	4.70	11.50
MAA03			63	11.93	83.3	0.79	4.30	13.00
MAA03			80	8.28	86.1	1.14	3.70	14.80
MAA03			100	6.23	90.8	1.79	3.00	16.80
MAA03			125	-2.39	89.3	2.71	1.80	18.80
MAA03			160	-9.25	90.6	4.07	0.00	21.10
MAA03			200	-13.94	91.9	5.86	0.00	22.80
MAA04	7 513	7 514						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA04			20	23.88	63.9	0.00	5.60	7.60
MAA04			25	20.93	67.8	0.15	5.40	8.30
MAA04			32	19.96	73.3	0.23	5.20	9.20
MAA04			40	17.31	76.9	0.38	5.00	10.30
MAA04			50	16.36	82.0	0.53	4.70	11.50
MAA04			63	11.46	83.3	0.83	4.30	13.00
MAA04			80	7.78	86.1	1.20	3.70	14.80
MAA04			100	5.70	90.8	1.88	3.00	16.80
MAA04			125	-2.97	89.3	2.86	1.80	18.80
MAA04			160	-9.90	90.6	4.28	0.00	21.10
MAA04			200	-14.68	91.9	6.16	0.00	22.80
MAA05	7 831	7 832						
MAA05			20	23.52	63.9	0.00	5.60	7.60
MAA05			25	20.57	67.8	0.16	5.40	8.30
MAA05			32	19.59	73.3	0.23	5.20	9.20
MAA05			40	16.93	76.9	0.39	5.00	10.30
MAA05			50	15.97	82.0	0.55	4.70	11.50
MAA05			63	11.06	83.3	0.86	4.30	13.00
MAA05			80	7.37	86.1	1.25	3.70	14.80
MAA05			100	5.26	90.8	1.96	3.00	16.80
MAA05			125	-3.45	89.3	2.98	1.80	18.80
MAA05			160	-10.44	90.6	4.46	0.00	21.10
MAA05			200	-15.30	91.9	6.42	0.00	22.80
MAA06	8 875	8 875						
MAA06			20	22.44	63.9	0.00	5.60	7.60
MAA06			25	19.46	67.8	0.18	5.40	8.30
MAA06			32	18.47	73.3	0.27	5.20	9.20
MAA06			40	15.79	76.9	0.44	5.00	10.30
MAA06			50	14.82	82.0	0.62	4.70	11.50
MAA06			63	9.86	83.3	0.98	4.30	13.00
MAA06			80	6.12	86.1	1.42	3.70	14.80
MAA06			100	3.92	90.8	2.22	3.00	16.80
MAA06			125	-4.94	89.3	3.37	1.80	18.80
MAA06			160	-12.12	90.6	5.06	0.00	21.10
MAA06			200	-17.24	91.9	7.28	0.00	22.80
MAA07	9 268	9 268						
MAA07			20	22.06	63.9	0.00	5.60	7.60
MAA07			25	19.07	67.8	0.19	5.40	8.30
MAA07			32	18.08	73.3	0.28	5.20	9.20
MAA07			40	15.40	76.9	0.46	5.00	10.30
MAA07			50	14.41	82.0	0.65	4.70	11.50
MAA07			63	9.44	83.3	1.02	4.30	13.00
MAA07			80	5.68	86.1	1.48	3.70	14.80
MAA07			100	3.44	90.8	2.32	3.00	16.80
MAA07			125	-5.46	89.3	3.52	1.80	18.80
MAA07			160	-12.72	90.6	5.28	0.00	21.10
MAA07			200	-17.94	91.9	7.60	0.00	22.80
MAA08	9 529	9 530						
MAA08			20	21.82	63.9	0.00	5.60	7.60
MAA08			25	18.83	67.8	0.19	5.40	8.30
MAA08			32	17.83	73.3	0.29	5.20	9.20
MAA08			40	15.14	76.9	0.48	5.00	10.30
MAA08			50	14.15	82.0	0.67	4.70	11.50
MAA08			63	9.17	83.3	1.05	4.30	13.00
MAA08			80	5.39	86.1	1.52	3.70	14.80
MAA08			100	3.14	90.8	2.38	3.00	16.80
MAA08			125	-5.80	89.3	3.62	1.80	18.80
MAA08			160	-13.11	90.6	5.43	0.00	21.10
MAA08			200	-18.40	91.9	7.81	0.00	22.80
RAH01	6 533	6 534						
RAH01			20	23.24	62.0	0.00	5.60	7.60
RAH01			25	21.61	67.2	0.13	5.40	8.30
RAH01			32	19.95	72.0	0.20	5.20	9.20
RAH01			40	18.49	76.8	0.33	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH01			50	16.86	81.2	0.46	4.70	11.50
RAH01			63	14.50	85.0	0.72	4.30	13.00
RAH01			80	11.37	88.3	1.05	3.70	14.80
RAH01			100	7.46	91.1	1.63	3.00	16.80
RAH01			125	2.61	93.3	2.48	1.80	18.80
RAH01			160	-3.75	95.0	3.72	0.00	21.10
RAH01			200	-8.46	96.1	5.36	0.00	22.80
RAH02	7 270	7 271						
RAH02			20	22.32	62.0	0.00	5.60	7.60
RAH02			25	20.67	67.2	0.15	5.40	8.30
RAH02			32	19.00	72.0	0.22	5.20	9.20
RAH02			40	17.53	76.8	0.36	5.00	10.30
RAH02			50	15.88	81.2	0.51	4.70	11.50
RAH02			63	13.49	85.0	0.80	4.30	13.00
RAH02			80	10.33	88.3	1.16	3.70	14.80
RAH02			100	6.35	91.1	1.82	3.00	16.80
RAH02			125	1.40	93.3	2.76	1.80	18.80
RAH02			160	-5.10	95.0	4.14	0.00	21.10
RAH02			200	-9.99	96.1	5.96	0.00	22.80
RAH03	6 518	6 520						
RAH03			20	23.26	62.0	0.00	5.60	7.60
RAH03			25	21.63	67.2	0.13	5.40	8.30
RAH03			32	19.97	72.0	0.20	5.20	9.20
RAH03			40	18.51	76.8	0.33	5.00	10.30
RAH03			50	16.88	81.2	0.46	4.70	11.50
RAH03			63	14.52	85.0	0.72	4.30	13.00
RAH03			80	11.40	88.3	1.04	3.70	14.80
RAH03			100	7.49	91.1	1.63	3.00	16.80
RAH03			125	2.64	93.3	2.48	1.80	18.80
RAH03			160	-3.72	95.0	3.72	0.00	21.10
RAH03			200	-8.43	96.1	5.35	0.00	22.80
RAH04	7 816	7 817						
RAH04			20	21.69	62.0	0.00	5.60	7.60
RAH04			25	20.03	67.2	0.16	5.40	8.30
RAH04			32	18.35	72.0	0.23	5.20	9.20
RAH04			40	16.87	76.8	0.39	5.00	10.30
RAH04			50	15.22	81.2	0.55	4.70	11.50
RAH04			63	12.80	85.0	0.86	4.30	13.00
RAH04			80	9.61	88.3	1.25	3.70	14.80
RAH04			100	5.58	91.1	1.95	3.00	16.80
RAH04			125	0.57	93.3	2.97	1.80	18.80
RAH04			160	-6.04	95.0	4.46	0.00	21.10
RAH04			200	-11.07	96.1	6.41	0.00	22.80
RAH05	7 267	7 268						
RAH05			20	22.32	62.0	0.00	5.60	7.60
RAH05			25	20.67	67.2	0.15	5.40	8.30
RAH05			32	19.00	72.0	0.22	5.20	9.20
RAH05			40	17.53	76.8	0.36	5.00	10.30
RAH05			50	15.89	81.2	0.51	4.70	11.50
RAH05			63	13.50	85.0	0.80	4.30	13.00
RAH05			80	10.33	88.3	1.16	3.70	14.80
RAH05			100	6.35	91.1	1.82	3.00	16.80
RAH05			125	1.41	93.3	2.76	1.80	18.80
RAH05			160	-5.10	95.0	4.14	0.00	21.10
RAH05			200	-9.99	96.1	5.96	0.00	22.80
RAH06	7 960	7 961						
RAH06			20	21.53	62.0	0.00	5.60	7.60
RAH06			25	19.87	67.2	0.16	5.40	8.30
RAH06			32	18.19	72.0	0.24	5.20	9.20
RAH06			40	16.71	76.8	0.40	5.00	10.30
RAH06			50	15.05	81.2	0.56	4.70	11.50
RAH06			63	12.63	85.0	0.88	4.30	13.00
RAH06			80	9.43	88.3	1.27	3.70	14.80
RAH06			100	5.39	91.1	1.99	3.00	16.80

To be continued on next page...

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			125	0.35	93.3	3.03	1.80	18.80
RAH06			160	-6.28	95.0	4.54	0.00	21.10
RAH06			200	-11.35	96.1	6.53	0.00	22.80
RAH07	9 598	9 599						
RAH07			20	19.90	62.0	0.00	5.60	7.60
RAH07			25	18.21	67.2	0.19	5.40	8.30
RAH07			32	16.52	72.0	0.29	5.20	9.20
RAH07			40	15.00	76.8	0.48	5.00	10.30
RAH07			50	13.31	81.2	0.67	4.70	11.50
RAH07			63	10.82	85.0	1.06	4.30	13.00
RAH07			80	7.54	88.3	1.54	3.70	14.80
RAH07			100	3.36	91.1	2.40	3.00	16.80
RAH07			125	-1.89	93.3	3.65	1.80	18.80
RAH07			160	-8.84	95.0	5.47	0.00	21.10
RAH07			200	-14.32	96.1	7.87	0.00	22.80
RAH08	9 303	9 303						
RAH08			20	20.18	62.0	0.00	5.60	7.60
RAH08			25	18.49	67.2	0.19	5.40	8.30
RAH08			32	16.80	72.0	0.28	5.20	9.20
RAH08			40	15.29	76.8	0.47	5.00	10.30
RAH08			50	13.60	81.2	0.65	4.70	11.50
RAH08			63	11.13	85.0	1.02	4.30	13.00
RAH08			80	7.86	88.3	1.49	3.70	14.80
RAH08			100	3.70	91.1	2.33	3.00	16.80
RAH08			125	-1.51	93.3	3.54	1.80	18.80
RAH08			160	-8.40	95.0	5.30	0.00	21.10
RAH08			200	-13.80	96.1	7.63	0.00	22.80
RAH09	8 737	8 738						
RAH09			20	20.72	62.0	0.00	5.60	7.60
RAH09			25	19.05	67.2	0.17	5.40	8.30
RAH09			32	17.36	72.0	0.26	5.20	9.20
RAH09			40	15.86	76.8	0.44	5.00	10.30
RAH09			50	14.18	81.2	0.61	4.70	11.50
RAH09			63	11.73	85.0	0.96	4.30	13.00
RAH09			80	8.50	88.3	1.40	3.70	14.80
RAH09			100	4.39	91.1	2.18	3.00	16.80
RAH09			125	-0.75	93.3	3.32	1.80	18.80
RAH09			160	-7.53	95.0	4.98	0.00	21.10
RAH09			200	-12.79	96.1	7.17	0.00	22.80
RAH10	8 598	8 599						
RAH10			20	20.86	62.0	0.00	5.60	7.60
RAH10			25	19.19	67.2	0.17	5.40	8.30
RAH10			32	17.50	72.0	0.26	5.20	9.20
RAH10			40	16.00	76.8	0.43	5.00	10.30
RAH10			50	14.33	81.2	0.60	4.70	11.50
RAH10			63	11.89	85.0	0.95	4.30	13.00
RAH10			80	8.66	88.3	1.38	3.70	14.80
RAH10			100	4.56	91.1	2.15	3.00	16.80
RAH10			125	-0.56	93.3	3.27	1.80	18.80
RAH10			160	-7.32	95.0	4.90	0.00	21.10
RAH10			200	-12.54	96.1	7.05	0.00	22.80
RAH11	5 591	5 593						
RAH11			20	24.60	62.0	0.00	5.60	7.60
RAH11			25	22.98	67.2	0.11	5.40	8.30
RAH11			32	21.33	72.0	0.17	5.20	9.20
RAH11			40	19.89	76.8	0.28	5.00	10.30
RAH11			50	18.28	81.2	0.39	4.70	11.50
RAH11			63	15.96	85.0	0.62	4.30	13.00
RAH11			80	12.88	88.3	0.89	3.70	14.80
RAH11			100	9.05	91.1	1.40	3.00	16.80
RAH11			125	4.32	93.3	2.13	1.80	18.80
RAH11			160	-1.87	95.0	3.19	0.00	21.10
RAH11			200	-6.34	96.1	4.59	0.00	22.80
RAH12	5 653	5 655						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH12			20	24.50	62.0	0.00	5.60	7.60
RAH12			25	22.89	67.2	0.11	5.40	8.30
RAH12			32	21.23	72.0	0.17	5.20	9.20
RAH12			40	19.79	76.8	0.28	5.00	10.30
RAH12			50	18.18	81.2	0.40	4.70	11.50
RAH12			63	15.85	85.0	0.62	4.30	13.00
RAH12			80	12.77	88.3	0.90	3.70	14.80
RAH12			100	8.94	91.1	1.41	3.00	16.80
RAH12			125	4.20	93.3	2.15	1.80	18.80
RAH12			160	-2.00	95.0	3.22	0.00	21.10
RAH12			200	-6.49	96.1	4.64	0.00	22.80
RAH13	4 762	4 764						
RAH13			20	25.99	62.0	0.00	5.60	7.60
RAH13			25	24.39	67.2	0.10	5.40	8.30
RAH13			32	22.75	72.0	0.14	5.20	9.20
RAH13			40	21.33	76.8	0.24	5.00	10.30
RAH13			50	19.73	81.2	0.33	4.70	11.50
RAH13			63	17.44	85.0	0.52	4.30	13.00
RAH13			80	14.40	88.3	0.76	3.70	14.80
RAH13			100	10.65	91.1	1.19	3.00	16.80
RAH13			125	6.03	93.3	1.81	1.80	18.80
RAH13			160	0.00	95.0	2.72	0.00	21.10
RAH13			200	-4.27	96.1	3.91	0.00	22.80
RAH14	4 684	4 686						
RAH14			20	26.13	62.0	0.00	5.60	7.60
RAH14			25	24.54	67.2	0.09	5.40	8.30
RAH14			32	22.89	72.0	0.14	5.20	9.20
RAH14			40	21.47	76.8	0.23	5.00	10.30
RAH14			50	19.88	81.2	0.33	4.70	11.50
RAH14			63	17.59	85.0	0.52	4.30	13.00
RAH14			80	14.56	88.3	0.75	3.70	14.80
RAH14			100	10.81	91.1	1.17	3.00	16.80
RAH14			125	6.20	93.3	1.78	1.80	18.80
RAH14			160	0.19	95.0	2.67	0.00	21.10
RAH14			200	-4.06	96.1	3.84	0.00	22.80
RAH15	3 676	3 679						
RAH15			20	28.23	62.0	0.00	5.60	7.60
RAH15			25	26.66	67.2	0.07	5.40	8.30
RAH15			32	25.02	72.0	0.11	5.20	9.20
RAH15			40	23.63	76.8	0.18	5.00	10.30
RAH15			50	22.05	81.2	0.26	4.70	11.50
RAH15			63	19.80	85.0	0.40	4.30	13.00
RAH15			80	16.82	88.3	0.59	3.70	14.80
RAH15			100	13.17	91.1	0.92	3.00	16.80
RAH15			125	8.69	93.3	1.40	1.80	18.80
RAH15			160	2.86	95.0	2.10	0.00	21.10
RAH15			200	-1.13	96.1	3.02	0.00	22.80
RAH16	4 377	4 379						
RAH16			20	26.72	62.0	0.00	5.60	7.60
RAH16			25	25.13	67.2	0.09	5.40	8.30
RAH16			32	23.49	72.0	0.13	5.20	9.20
RAH16			40	22.08	76.8	0.22	5.00	10.30
RAH16			50	20.49	81.2	0.31	4.70	11.50
RAH16			63	18.22	85.0	0.48	4.30	13.00
RAH16			80	15.20	88.3	0.70	3.70	14.80
RAH16			100	11.48	91.1	1.09	3.00	16.80
RAH16			125	6.91	93.3	1.66	1.80	18.80
RAH16			160	0.95	95.0	2.50	0.00	21.10
RAH16			200	-3.22	96.1	3.59	0.00	22.80
RAH17	3 182	3 186						
RAH17			20	29.48	62.0	0.00	5.60	7.60
RAH17			25	27.92	67.2	0.06	5.40	8.30
RAH17			32	26.29	72.0	0.10	5.20	9.20
RAH17			40	24.90	76.8	0.16	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH17			50	23.34	81.2	0.22	4.70	11.50
RAH17			63	21.11	85.0	0.35	4.30	13.00
RAH17			80	18.15	88.3	0.51	3.70	14.80
RAH17			100	14.54	91.1	0.80	3.00	16.80
RAH17			125	10.12	93.3	1.21	1.80	18.80
RAH17			160	4.39	95.0	1.82	0.00	21.10
RAH17			200	0.52	96.1	2.61	0.00	22.80
RAH18	3 062	3 066						
RAH18			20	29.82	62.0	0.00	5.60	7.60
RAH18			25	28.25	67.2	0.06	5.40	8.30
RAH18			32	26.62	72.0	0.09	5.20	9.20
RAH18			40	25.24	76.8	0.15	5.00	10.30
RAH18			50	23.68	81.2	0.21	4.70	11.50
RAH18			63	21.45	85.0	0.34	4.30	13.00
RAH18			80	18.50	88.3	0.49	3.70	14.80
RAH18			100	14.90	91.1	0.77	3.00	16.80
RAH18			125	10.50	93.3	1.17	1.80	18.80
RAH18			160	4.80	95.0	1.75	0.00	21.10
RAH18			200	0.95	96.1	2.51	0.00	22.80
RAH19	2 331	2 337						
RAH19			20	32.18	62.0	0.00	5.60	7.60
RAH19			25	30.63	67.2	0.05	5.40	8.30
RAH19			32	29.01	72.0	0.07	5.20	9.20
RAH19			40	27.64	76.8	0.12	5.00	10.30
RAH19			50	26.09	81.2	0.16	4.70	11.50
RAH19			63	23.90	85.0	0.26	4.30	13.00
RAH19			80	20.98	88.3	0.37	3.70	14.80
RAH19			100	17.44	91.1	0.58	3.00	16.80
RAH19			125	13.14	93.3	0.89	1.80	18.80
RAH19			160	7.57	95.0	1.33	0.00	21.10
RAH19			200	3.91	96.1	1.92	0.00	22.80
SIL01	4 189	4 191						
SIL01			20	28.38	63.3	0.00	5.60	7.60
SIL01			25	26.69	68.4	0.08	5.40	8.30
SIL01			32	20.76	68.9	0.13	5.20	9.20
SIL01			40	17.77	72.1	0.21	5.00	10.30
SIL01			50	16.48	76.8	0.29	4.70	11.50
SIL01			63	13.40	79.8	0.46	4.30	13.00
SIL01			80	9.89	82.6	0.67	3.70	14.80
SIL01			100	6.83	86.0	1.05	3.00	16.80
SIL01			125	3.35	89.3	1.59	1.80	18.80
SIL01			160	-5.35	88.2	2.39	0.00	21.10
SIL01			200	-8.79	90.0	3.44	0.00	22.80
SIL02	3 496	3 499						
SIL02			20	29.95	63.3	0.00	5.60	7.60
SIL02			25	28.27	68.4	0.07	5.40	8.30
SIL02			32	22.35	68.9	0.10	5.20	9.20
SIL02			40	19.37	72.1	0.17	5.00	10.30
SIL02			50	18.10	76.8	0.24	4.70	11.50
SIL02			63	15.04	79.8	0.38	4.30	13.00
SIL02			80	11.57	82.6	0.56	3.70	14.80
SIL02			100	8.58	86.0	0.87	3.00	16.80
SIL02			125	5.18	89.3	1.33	1.80	18.80
SIL02			160	-3.39	88.2	1.99	0.00	21.10
SIL02			200	-6.66	90.0	2.87	0.00	22.80
SIL03	2 752	2 756						
SIL03			20	32.02	63.3	0.00	5.60	7.60
SIL03			25	30.36	68.4	0.06	5.40	8.30
SIL03			32	24.44	68.9	0.08	5.20	9.20
SIL03			40	21.48	72.1	0.14	5.00	10.30
SIL03			50	20.23	76.8	0.19	4.70	11.50
SIL03			63	17.20	79.8	0.30	4.30	13.00
SIL03			80	13.77	82.6	0.44	3.70	14.80
SIL03			100	10.83	86.0	0.69	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			125	7.54	89.3	1.05	1.80	18.80
SIL03			160	-0.89	88.2	1.57	0.00	21.10
SIL03			200	-3.98	90.0	2.26	0.00	22.80
SIL04	2 950	2 953						
SIL04			20	31.42	63.3	0.00	5.60	7.60
SIL04			25	29.75	68.4	0.06	5.40	8.30
SIL04			32	23.83	68.9	0.09	5.20	9.20
SIL04			40	20.87	72.1	0.15	5.00	10.30
SIL04			50	19.61	76.8	0.21	4.70	11.50
SIL04			63	16.57	79.8	0.32	4.30	13.00
SIL04			80	13.13	82.6	0.47	3.70	14.80
SIL04			100	10.18	86.0	0.74	3.00	16.80
SIL04			125	6.86	89.3	1.12	1.80	18.80
SIL04			160	-1.61	88.2	1.68	0.00	21.10
SIL04			200	-4.74	90.0	2.42	0.00	22.80
SIL05	4 188	4 190						
SIL05			20	28.38	63.3	0.00	5.60	7.60
SIL05			25	26.69	68.4	0.08	5.40	8.30
SIL05			32	20.76	68.9	0.13	5.20	9.20
SIL05			40	17.77	72.1	0.21	5.00	10.30
SIL05			50	16.49	76.8	0.29	4.70	11.50
SIL05			63	13.40	79.8	0.46	4.30	13.00
SIL05			80	9.90	82.6	0.67	3.70	14.80
SIL05			100	6.84	86.0	1.05	3.00	16.80
SIL05			125	3.35	89.3	1.59	1.80	18.80
SIL05			160	-5.35	88.2	2.39	0.00	21.10
SIL05			200	-8.79	90.0	3.44	0.00	22.80
SIL06	3 624	3 627						
SIL06			20	29.63	63.3	0.00	5.60	7.60
SIL06			25	27.95	68.4	0.07	5.40	8.30
SIL06			32	22.03	68.9	0.11	5.20	9.20
SIL06			40	19.05	72.1	0.18	5.00	10.30
SIL06			50	17.78	76.8	0.25	4.70	11.50
SIL06			63	14.72	79.8	0.40	4.30	13.00
SIL06			80	11.24	82.6	0.58	3.70	14.80
SIL06			100	8.23	86.0	0.91	3.00	16.80
SIL06			125	4.82	89.3	1.38	1.80	18.80
SIL06			160	-3.78	88.2	2.07	0.00	21.10
SIL06			200	-7.08	90.0	2.97	0.00	22.80
SIL07	3 199	3 202						
SIL07			20	30.71	63.3	0.00	5.60	7.60
SIL07			25	29.04	68.4	0.06	5.40	8.30
SIL07			32	23.12	68.9	0.10	5.20	9.20
SIL07			40	20.15	72.1	0.16	5.00	10.30
SIL07			50	18.89	76.8	0.22	4.70	11.50
SIL07			63	15.84	79.8	0.35	4.30	13.00
SIL07			80	12.39	82.6	0.51	3.70	14.80
SIL07			100	9.42	86.0	0.80	3.00	16.80
SIL07			125	6.06	89.3	1.22	1.80	18.80
SIL07			160	-2.45	88.2	1.83	0.00	21.10
SIL07			200	-5.65	90.0	2.63	0.00	22.80
SIL08	3 787	3 790						
SIL08			20	29.25	63.3	0.00	5.60	7.60
SIL08			25	27.57	68.4	0.08	5.40	8.30
SIL08			32	21.64	68.9	0.11	5.20	9.20
SIL08			40	18.66	72.1	0.19	5.00	10.30
SIL08			50	17.39	76.8	0.27	4.70	11.50
SIL08			63	14.32	79.8	0.42	4.30	13.00
SIL08			80	10.83	82.6	0.61	3.70	14.80
SIL08			100	7.81	86.0	0.95	3.00	16.80
SIL08			125	4.38	89.3	1.44	1.80	18.80
SIL08			160	-4.25	88.2	2.16	0.00	21.10
SIL08			200	-7.59	90.0	3.11	0.00	22.80
Sum								

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
Sum			20	44.09				
Sum			25	42.00				
Sum			32	39.56				
Sum			40	37.40				
Sum			50	36.13				
Sum			63	32.81				
Sum			80	29.55				
Sum			100	26.49				
Sum			125	21.14				
Sum			160	14.66				
Sum			200	10.68				

Noise sensitive area: P Noise sensitive point: Finnish normal frequency - User defined (41)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 063	4 068						
KAR01			20	29.21	63.9	0.00	5.60	7.60
KAR01			25	26.33	67.8	0.08	5.40	8.30
KAR01			32	25.39	73.3	0.12	5.20	9.20
KAR01			40	22.81	76.9	0.20	5.00	10.30
KAR01			50	21.93	82.0	0.28	4.70	11.50
KAR01			63	17.17	83.3	0.45	4.30	13.00
KAR01			80	13.66	86.1	0.65	3.70	14.80
KAR01			100	11.90	90.8	1.02	3.00	16.80
KAR01			125	3.67	89.3	1.55	1.80	18.80
KAR01			160	-2.61	90.6	2.32	0.00	21.10
KAR01			200	-6.52	91.9	3.34	0.00	22.80
KAR02	4 163	4 167						
KAR02			20	29.00	63.9	0.00	5.60	7.60
KAR02			25	26.12	67.8	0.08	5.40	8.30
KAR02			32	25.18	73.3	0.13	5.20	9.20
KAR02			40	22.59	76.9	0.21	5.00	10.30
KAR02			50	21.71	82.0	0.29	4.70	11.50
KAR02			63	16.94	83.3	0.46	4.30	13.00
KAR02			80	13.44	86.1	0.67	3.70	14.80
KAR02			100	11.66	90.8	1.04	3.00	16.80
KAR02			125	3.42	89.3	1.58	1.80	18.80
KAR02			160	-2.87	90.6	2.38	0.00	21.10
KAR02			200	-6.81	91.9	3.42	0.00	22.80
KAR03	4 419	4 423						
KAR03			20	28.48	63.9	0.00	5.60	7.60
KAR03			25	25.60	67.8	0.09	5.40	8.30
KAR03			32	24.65	73.3	0.13	5.20	9.20
KAR03			40	22.06	76.9	0.22	5.00	10.30
KAR03			50	21.18	82.0	0.31	4.70	11.50
KAR03			63	16.40	83.3	0.49	4.30	13.00
KAR03			80	12.88	86.1	0.71	3.70	14.80
KAR03			100	11.08	90.8	1.11	3.00	16.80
KAR03			125	2.80	89.3	1.68	1.80	18.80
KAR03			160	-3.54	90.6	2.52	0.00	21.10
KAR03			200	-7.54	91.9	3.63	0.00	22.80
KAR04	4 895	4 899						
KAR04			20	27.60	63.9	0.00	5.60	7.60
KAR04			25	24.70	67.8	0.10	5.40	8.30
KAR04			32	23.75	73.3	0.15	5.20	9.20
KAR04			40	21.15	76.9	0.24	5.00	10.30
KAR04			50	20.26	82.0	0.34	4.70	11.50
KAR04			63	15.46	83.3	0.54	4.30	13.00
KAR04			80	11.91	86.1	0.78	3.70	14.80
KAR04			100	10.07	90.8	1.22	3.00	16.80
KAR04			125	1.74	89.3	1.86	1.80	18.80
KAR04			160	-4.69	90.6	2.79	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			200	-8.82	91.9	4.02	0.00	22.80
KAR05	5 378	5 381						
KAR05			20	26.78	63.9	0.00	5.60	7.60
KAR05			25	23.87	67.8	0.11	5.40	8.30
KAR05			32	22.92	73.3	0.16	5.20	9.20
KAR05			40	20.31	76.9	0.27	5.00	10.30
KAR05			50	19.41	82.0	0.38	4.70	11.50
KAR05			63	14.59	83.3	0.59	4.30	13.00
KAR05			80	11.02	86.1	0.86	3.70	14.80
KAR05			100	9.14	90.8	1.35	3.00	16.80
KAR05			125	0.74	89.3	2.04	1.80	18.80
KAR05			160	-5.79	90.6	3.07	0.00	21.10
KAR05			200	-10.03	91.9	4.41	0.00	22.80
KAR06	5 030	5 034						
KAR06			20	27.36	63.9	0.00	5.60	7.60
KAR06			25	24.46	67.8	0.10	5.40	8.30
KAR06			32	23.51	73.3	0.15	5.20	9.20
KAR06			40	20.91	76.9	0.25	5.00	10.30
KAR06			50	20.01	82.0	0.35	4.70	11.50
KAR06			63	15.21	83.3	0.55	4.30	13.00
KAR06			80	11.66	86.1	0.81	3.70	14.80
KAR06			100	9.80	90.8	1.26	3.00	16.80
KAR06			125	1.45	89.3	1.91	1.80	18.80
KAR06			160	-5.01	90.6	2.87	0.00	21.10
KAR06			200	-9.17	91.9	4.13	0.00	22.80
KAR07	5 018	5 021						
KAR07			20	27.38	63.9	0.00	5.60	7.60
KAR07			25	24.48	67.8	0.10	5.40	8.30
KAR07			32	23.53	73.3	0.15	5.20	9.20
KAR07			40	20.93	76.9	0.25	5.00	10.30
KAR07			50	20.03	82.0	0.35	4.70	11.50
KAR07			63	15.23	83.3	0.55	4.30	13.00
KAR07			80	11.68	86.1	0.80	3.70	14.80
KAR07			100	9.83	90.8	1.26	3.00	16.80
KAR07			125	1.48	89.3	1.91	1.80	18.80
KAR07			160	-4.98	90.6	2.86	0.00	21.10
KAR07			200	-9.13	91.9	4.12	0.00	22.80
KAR08	5 188	5 191						
KAR08			20	27.09	63.9	0.00	5.60	7.60
KAR08			25	24.19	67.8	0.10	5.40	8.30
KAR08			32	23.24	73.3	0.16	5.20	9.20
KAR08			40	20.64	76.9	0.26	5.00	10.30
KAR08			50	19.73	82.0	0.36	4.70	11.50
KAR08			63	14.92	83.3	0.57	4.30	13.00
KAR08			80	11.36	86.1	0.83	3.70	14.80
KAR08			100	9.50	90.8	1.30	3.00	16.80
KAR08			125	1.12	89.3	1.97	1.80	18.80
KAR08			160	-5.36	90.6	2.96	0.00	21.10
KAR08			200	-9.56	91.9	4.26	0.00	22.80
KAR09	5 905	5 908						
KAR09			20	25.97	63.9	0.00	5.60	7.60
KAR09			25	23.05	67.8	0.12	5.40	8.30
KAR09			32	22.09	73.3	0.18	5.20	9.20
KAR09			40	19.48	76.9	0.30	5.00	10.30
KAR09			50	18.56	82.0	0.41	4.70	11.50
KAR09			63	13.72	83.3	0.65	4.30	13.00
KAR09			80	10.13	86.1	0.95	3.70	14.80
KAR09			100	8.19	90.8	1.48	3.00	16.80
KAR09			125	-0.27	89.3	2.24	1.80	18.80
KAR09			160	-6.90	90.6	3.37	0.00	21.10
KAR09			200	-11.27	91.9	4.84	0.00	22.80
KAR10	5 667	5 670						
KAR10			20	26.33	63.9	0.00	5.60	7.60
KAR10			25	23.41	67.8	0.11	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR10			32	22.46	73.3	0.17	5.20	9.20
KAR10			40	19.84	76.9	0.28	5.00	10.30
KAR10			50	18.93	82.0	0.40	4.70	11.50
KAR10			63	14.10	83.3	0.62	4.30	13.00
KAR10			80	10.52	86.1	0.91	3.70	14.80
KAR10			100	8.61	90.8	1.42	3.00	16.80
KAR10			125	0.17	89.3	2.15	1.80	18.80
KAR10			160	-6.40	90.6	3.23	0.00	21.10
KAR10			200	-10.72	91.9	4.65	0.00	22.80
KAR11	5 623	5 626						
KAR11			20	26.40	63.9	0.00	5.60	7.60
KAR11			25	23.48	67.8	0.11	5.40	8.30
KAR11			32	22.53	73.3	0.17	5.20	9.20
KAR11			40	19.92	76.9	0.28	5.00	10.30
KAR11			50	19.00	82.0	0.39	4.70	11.50
KAR11			63	14.18	83.3	0.62	4.30	13.00
KAR11			80	10.60	86.1	0.90	3.70	14.80
KAR11			100	8.69	90.8	1.41	3.00	16.80
KAR11			125	0.26	89.3	2.14	1.80	18.80
KAR11			160	-6.31	90.6	3.21	0.00	21.10
KAR11			200	-10.62	91.9	4.61	0.00	22.80
KAR12	6 240	6 243						
KAR12			20	25.49	63.9	0.00	5.60	7.60
KAR12			25	22.57	67.8	0.12	5.40	8.30
KAR12			32	21.60	73.3	0.19	5.20	9.20
KAR12			40	18.98	76.9	0.31	5.00	10.30
KAR12			50	18.05	82.0	0.44	4.70	11.50
KAR12			63	13.21	83.3	0.69	4.30	13.00
KAR12			80	9.59	86.1	1.00	3.70	14.80
KAR12			100	7.63	90.8	1.56	3.00	16.80
KAR12			125	-0.88	89.3	2.37	1.80	18.80
KAR12			160	-7.57	90.6	3.56	0.00	21.10
KAR12			200	-12.03	91.9	5.12	0.00	22.80
KAR13	6 057	6 060						
KAR13			20	25.75	63.9	0.00	5.60	7.60
KAR13			25	22.83	67.8	0.12	5.40	8.30
KAR13			32	21.87	73.3	0.18	5.20	9.20
KAR13			40	19.25	76.9	0.30	5.00	10.30
KAR13			50	18.33	82.0	0.42	4.70	11.50
KAR13			63	13.48	83.3	0.67	4.30	13.00
KAR13			80	9.88	86.1	0.97	3.70	14.80
KAR13			100	7.94	90.8	1.51	3.00	16.80
KAR13			125	-0.55	89.3	2.30	1.80	18.80
KAR13			160	-7.20	90.6	3.45	0.00	21.10
KAR13			200	-11.62	91.9	4.97	0.00	22.80
KAR14	6 581	6 584						
KAR14			20	25.03	63.9	0.00	5.60	7.60
KAR14			25	22.10	67.8	0.13	5.40	8.30
KAR14			32	21.13	73.3	0.20	5.20	9.20
KAR14			40	18.50	76.9	0.33	5.00	10.30
KAR14			50	17.57	82.0	0.46	4.70	11.50
KAR14			63	12.71	83.3	0.72	4.30	13.00
KAR14			80	9.08	86.1	1.05	3.70	14.80
KAR14			100	7.08	90.8	1.65	3.00	16.80
KAR14			125	-1.47	89.3	2.50	1.80	18.80
KAR14			160	-8.22	90.6	3.75	0.00	21.10
KAR14			200	-12.77	91.9	5.40	0.00	22.80
KAR15	6 123	6 126						
KAR15			20	25.66	63.9	0.00	5.60	7.60
KAR15			25	22.73	67.8	0.12	5.40	8.30
KAR15			32	21.77	73.3	0.18	5.20	9.20
KAR15			40	19.15	76.9	0.31	5.00	10.30
KAR15			50	18.23	82.0	0.43	4.70	11.50
KAR15			63	13.38	83.3	0.67	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			80	9.78	86.1	0.98	3.70	14.80
KAR15			100	7.83	90.8	1.53	3.00	16.80
KAR15			125	-0.67	89.3	2.33	1.80	18.80
KAR15			160	-7.34	90.6	3.49	0.00	21.10
KAR15			200	-11.77	91.9	5.02	0.00	22.80
KAR16	6 937	6 940						
KAR16			20	24.57	63.9	0.00	5.60	7.60
KAR16			25	21.63	67.8	0.14	5.40	8.30
KAR16			32	20.66	73.3	0.21	5.20	9.20
KAR16			40	18.03	76.9	0.35	5.00	10.30
KAR16			50	17.09	82.0	0.49	4.70	11.50
KAR16			63	12.21	83.3	0.76	4.30	13.00
KAR16			80	8.56	86.1	1.11	3.70	14.80
KAR16			100	6.54	90.8	1.74	3.00	16.80
KAR16			125	-2.06	89.3	2.64	1.80	18.80
KAR16			160	-8.88	90.6	3.96	0.00	21.10
KAR16			200	-13.52	91.9	5.69	0.00	22.80
KAR17	6 910	6 912						
KAR17			20	24.61	63.9	0.00	5.60	7.60
KAR17			25	21.67	67.8	0.14	5.40	8.30
KAR17			32	20.70	73.3	0.21	5.20	9.20
KAR17			40	18.06	76.9	0.35	5.00	10.30
KAR17			50	17.12	82.0	0.48	4.70	11.50
KAR17			63	12.25	83.3	0.76	4.30	13.00
KAR17			80	8.60	86.1	1.11	3.70	14.80
KAR17			100	6.58	90.8	1.73	3.00	16.80
KAR17			125	-2.02	89.3	2.63	1.80	18.80
KAR17			160	-8.83	90.6	3.94	0.00	21.10
KAR17			200	-13.46	91.9	5.67	0.00	22.80
KAR18	7 318	7 321						
KAR18			20	24.11	63.9	0.00	5.60	7.60
KAR18			25	21.16	67.8	0.15	5.40	8.30
KAR18			32	20.19	73.3	0.22	5.20	9.20
KAR18			40	17.54	76.9	0.37	5.00	10.30
KAR18			50	16.60	82.0	0.51	4.70	11.50
KAR18			63	11.70	83.3	0.81	4.30	13.00
KAR18			80	8.04	86.1	1.17	3.70	14.80
KAR18			100	5.98	90.8	1.83	3.00	16.80
KAR18			125	-2.67	89.3	2.78	1.80	18.80
KAR18			160	-9.56	90.6	4.17	0.00	21.10
KAR18			200	-14.29	91.9	6.00	0.00	22.80
KAR19	6 896	6 898						
KAR19			20	24.62	63.9	0.00	5.60	7.60
KAR19			25	21.69	67.8	0.14	5.40	8.30
KAR19			32	20.72	73.3	0.21	5.20	9.20
KAR19			40	18.08	76.9	0.34	5.00	10.30
KAR19			50	17.14	82.0	0.48	4.70	11.50
KAR19			63	12.27	83.3	0.76	4.30	13.00
KAR19			80	8.62	86.1	1.10	3.70	14.80
KAR19			100	6.60	90.8	1.72	3.00	16.80
KAR19			125	-2.00	89.3	2.62	1.80	18.80
KAR19			160	-8.81	90.6	3.93	0.00	21.10
KAR19			200	-13.43	91.9	5.66	0.00	22.80
KAR20	7 508	7 511						
KAR20			20	23.89	63.9	0.00	5.60	7.60
KAR20			25	20.94	67.8	0.15	5.40	8.30
KAR20			32	19.96	73.3	0.23	5.20	9.20
KAR20			40	17.31	76.9	0.38	5.00	10.30
KAR20			50	16.36	82.0	0.53	4.70	11.50
KAR20			63	11.46	83.3	0.83	4.30	13.00
KAR20			80	7.78	86.1	1.20	3.70	14.80
KAR20			100	5.71	90.8	1.88	3.00	16.80
KAR20			125	-2.97	89.3	2.85	1.80	18.80
KAR20			160	-9.89	90.6	4.28	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			200	-14.67	91.9	6.16	0.00	22.80
KAR21	7 388	7 390						
KAR21			20	24.03	63.9	0.00	5.60	7.60
KAR21			25	21.08	67.8	0.15	5.40	8.30
KAR21			32	20.11	73.3	0.22	5.20	9.20
KAR21			40	17.46	76.9	0.37	5.00	10.30
KAR21			50	16.51	82.0	0.52	4.70	11.50
KAR21			63	11.61	83.3	0.81	4.30	13.00
KAR21			80	7.94	86.1	1.18	3.70	14.80
KAR21			100	5.88	90.8	1.85	3.00	16.80
KAR21			125	-2.78	89.3	2.81	1.80	18.80
KAR21			160	-9.69	90.6	4.21	0.00	21.10
KAR21			200	-14.43	91.9	6.06	0.00	22.80
KAR22	7 508	7 510						
KAR22			20	23.89	63.9	0.00	5.60	7.60
KAR22			25	20.94	67.8	0.15	5.40	8.30
KAR22			32	19.96	73.3	0.23	5.20	9.20
KAR22			40	17.31	76.9	0.38	5.00	10.30
KAR22			50	16.36	82.0	0.53	4.70	11.50
KAR22			63	11.46	83.3	0.83	4.30	13.00
KAR22			80	7.79	86.1	1.20	3.70	14.80
KAR22			100	5.71	90.8	1.88	3.00	16.80
KAR22			125	-2.97	89.3	2.85	1.80	18.80
KAR22			160	-9.89	90.6	4.28	0.00	21.10
KAR22			200	-14.67	91.9	6.16	0.00	22.80
KAR23	8 044	8 046						
KAR23			20	23.29	63.9	0.00	5.60	7.60
KAR23			25	20.33	67.8	0.16	5.40	8.30
KAR23			32	19.35	73.3	0.24	5.20	9.20
KAR23			40	16.69	76.9	0.40	5.00	10.30
KAR23			50	15.72	82.0	0.56	4.70	11.50
KAR23			63	10.80	83.3	0.89	4.30	13.00
KAR23			80	7.10	86.1	1.29	3.70	14.80
KAR23			100	4.98	90.8	2.01	3.00	16.80
KAR23			125	-3.77	89.3	3.06	1.80	18.80
KAR23			160	-10.80	90.6	4.59	0.00	21.10
KAR23			200	-15.71	91.9	6.60	0.00	22.80
KAR24	4 264	4 268						
KAR24			20	28.80	63.9	0.00	5.60	7.60
KAR24			25	25.91	67.8	0.09	5.40	8.30
KAR24			32	24.97	73.3	0.13	5.20	9.20
KAR24			40	22.38	76.9	0.21	5.00	10.30
KAR24			50	21.50	82.0	0.30	4.70	11.50
KAR24			63	16.73	83.3	0.47	4.30	13.00
KAR24			80	13.21	86.1	0.68	3.70	14.80
KAR24			100	11.43	90.8	1.07	3.00	16.80
KAR24			125	3.17	89.3	1.62	1.80	18.80
KAR24			160	-3.14	90.6	2.43	0.00	21.10
KAR24			200	-7.10	91.9	3.50	0.00	22.80
KAR25	3 674	3 679						
KAR25			20	30.09	63.9	0.00	5.60	7.60
KAR25			25	27.21	67.8	0.07	5.40	8.30
KAR25			32	26.28	73.3	0.11	5.20	9.20
KAR25			40	23.70	76.9	0.18	5.00	10.30
KAR25			50	22.83	82.0	0.26	4.70	11.50
KAR25			63	18.08	83.3	0.40	4.30	13.00
KAR25			80	14.60	86.1	0.59	3.70	14.80
KAR25			100	12.87	90.8	0.92	3.00	16.80
KAR25			125	4.69	89.3	1.40	1.80	18.80
KAR25			160	-1.51	90.6	2.10	0.00	21.10
KAR25			200	-5.33	91.9	3.02	0.00	22.80
MAA01	1 605	1 612						
MAA01			20	37.25	63.9	0.00	5.60	7.60
MAA01			25	34.42	67.8	0.03	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA01			32	33.51	73.3	0.05	5.20	9.20
MAA01			40	30.97	76.9	0.08	5.00	10.30
MAA01			50	30.14	82.0	0.11	4.70	11.50
MAA01			63	25.48	83.3	0.18	4.30	13.00
MAA01			80	22.10	86.1	0.26	3.70	14.80
MAA01			100	20.55	90.8	0.40	3.00	16.80
MAA01			125	12.64	89.3	0.61	1.80	18.80
MAA01			160	6.84	90.6	0.92	0.00	21.10
MAA01			200	3.53	91.9	1.32	0.00	22.80
MAA03	2 218	2 222						
MAA03			20	34.46	63.9	0.00	5.60	7.60
MAA03			25	31.62	67.8	0.04	5.40	8.30
MAA03			32	30.70	73.3	0.07	5.20	9.20
MAA03			40	28.15	76.9	0.11	5.00	10.30
MAA03			50	27.31	82.0	0.16	4.70	11.50
MAA03			63	22.62	83.3	0.24	4.30	13.00
MAA03			80	19.21	86.1	0.36	3.70	14.80
MAA03			100	17.61	90.8	0.56	3.00	16.80
MAA03			125	9.62	89.3	0.84	1.80	18.80
MAA03			160	3.70	90.6	1.27	0.00	21.10
MAA03			200	0.24	91.9	1.82	0.00	22.80
MAA04	2 420	2 424						
MAA04			20	33.71	63.9	0.00	5.60	7.60
MAA04			25	30.86	67.8	0.05	5.40	8.30
MAA04			32	29.94	73.3	0.07	5.20	9.20
MAA04			40	27.39	76.9	0.12	5.00	10.30
MAA04			50	26.54	82.0	0.17	4.70	11.50
MAA04			63	21.84	83.3	0.27	4.30	13.00
MAA04			80	18.42	86.1	0.39	3.70	14.80
MAA04			100	16.80	90.8	0.61	3.00	16.80
MAA04			125	8.79	89.3	0.92	1.80	18.80
MAA04			160	2.83	90.6	1.38	0.00	21.10
MAA04			200	-0.68	91.9	1.99	0.00	22.80
MAA05	2 819	2 823						
MAA05			20	32.39	63.9	0.00	5.60	7.60
MAA05			25	29.53	67.8	0.06	5.40	8.30
MAA05			32	28.60	73.3	0.08	5.20	9.20
MAA05			40	26.05	76.9	0.14	5.00	10.30
MAA05			50	25.19	82.0	0.20	4.70	11.50
MAA05			63	20.48	83.3	0.31	4.30	13.00
MAA05			80	17.03	86.1	0.45	3.70	14.80
MAA05			100	15.38	90.8	0.71	3.00	16.80
MAA05			125	7.31	89.3	1.07	1.80	18.80
MAA05			160	1.28	90.6	1.61	0.00	21.10
MAA05			200	-2.33	91.9	2.31	0.00	22.80
MAA06	3 784	3 787						
MAA06			20	29.83	63.9	0.00	5.60	7.60
MAA06			25	26.96	67.8	0.08	5.40	8.30
MAA06			32	26.02	73.3	0.11	5.20	9.20
MAA06			40	23.44	76.9	0.19	5.00	10.30
MAA06			50	22.57	82.0	0.27	4.70	11.50
MAA06			63	17.82	83.3	0.42	4.30	13.00
MAA06			80	14.33	86.1	0.61	3.70	14.80
MAA06			100	12.59	90.8	0.95	3.00	16.80
MAA06			125	4.40	89.3	1.44	1.80	18.80
MAA06			160	-1.82	90.6	2.16	0.00	21.10
MAA06			200	-5.67	91.9	3.11	0.00	22.80
MAA07	4 176	4 179						
MAA07			20	28.98	63.9	0.00	5.60	7.60
MAA07			25	26.10	67.8	0.08	5.40	8.30
MAA07			32	25.15	73.3	0.13	5.20	9.20
MAA07			40	22.57	76.9	0.21	5.00	10.30
MAA07			50	21.69	82.0	0.29	4.70	11.50
MAA07			63	16.92	83.3	0.46	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			80	13.41	86.1	0.67	3.70	14.80
MAA07			100	11.63	90.8	1.04	3.00	16.80
MAA07			125	3.39	89.3	1.59	1.80	18.80
MAA07			160	-2.90	90.6	2.38	0.00	21.10
MAA07			200	-6.85	91.9	3.43	0.00	22.80
MAA08	4 467	4 470						
MAA08			20	28.39	63.9	0.00	5.60	7.60
MAA08			25	25.51	67.8	0.09	5.40	8.30
MAA08			32	24.56	73.3	0.13	5.20	9.20
MAA08			40	21.97	76.9	0.22	5.00	10.30
MAA08			50	21.08	82.0	0.31	4.70	11.50
MAA08			63	16.30	83.3	0.49	4.30	13.00
MAA08			80	12.78	86.1	0.72	3.70	14.80
MAA08			100	10.98	90.8	1.12	3.00	16.80
MAA08			125	2.70	89.3	1.70	1.80	18.80
MAA08			160	-3.65	90.6	2.55	0.00	21.10
MAA08			200	-7.67	91.9	3.67	0.00	22.80
RAH01	2 872	2 876						
RAH01			20	30.37	62.0	0.00	5.60	7.60
RAH01			25	28.81	67.2	0.06	5.40	8.30
RAH01			32	27.19	72.0	0.09	5.20	9.20
RAH01			40	25.80	76.8	0.14	5.00	10.30
RAH01			50	24.25	81.2	0.20	4.70	11.50
RAH01			63	22.03	85.0	0.32	4.30	13.00
RAH01			80	19.09	88.3	0.46	3.70	14.80
RAH01			100	15.50	91.1	0.72	3.00	16.80
RAH01			125	11.13	93.3	1.09	1.80	18.80
RAH01			160	5.46	95.0	1.64	0.00	21.10
RAH01			200	1.67	96.1	2.36	0.00	22.80
RAH02	3 133	3 137						
RAH02			20	29.62	62.0	0.00	5.60	7.60
RAH02			25	28.06	67.2	0.06	5.40	8.30
RAH02			32	26.43	72.0	0.09	5.20	9.20
RAH02			40	25.04	76.8	0.16	5.00	10.30
RAH02			50	23.48	81.2	0.22	4.70	11.50
RAH02			63	21.25	85.0	0.35	4.30	13.00
RAH02			80	18.29	88.3	0.50	3.70	14.80
RAH02			100	14.69	91.1	0.78	3.00	16.80
RAH02			125	10.28	93.3	1.19	1.80	18.80
RAH02			160	4.56	95.0	1.79	0.00	21.10
RAH02			200	0.70	96.1	2.57	0.00	22.80
RAH03	2 360	2 365						
RAH03			20	32.07	62.0	0.00	5.60	7.60
RAH03			25	30.52	67.2	0.05	5.40	8.30
RAH03			32	28.90	72.0	0.07	5.20	9.20
RAH03			40	27.53	76.8	0.12	5.00	10.30
RAH03			50	25.98	81.2	0.17	4.70	11.50
RAH03			63	23.79	85.0	0.26	4.30	13.00
RAH03			80	20.87	88.3	0.38	3.70	14.80
RAH03			100	17.33	91.1	0.59	3.00	16.80
RAH03			125	13.03	93.3	0.90	1.80	18.80
RAH03			160	7.45	95.0	1.35	0.00	21.10
RAH03			200	3.78	96.1	1.94	0.00	22.80
RAH04	3 366	3 369						
RAH04			20	29.00	62.0	0.00	5.60	7.60
RAH04			25	27.43	67.2	0.07	5.40	8.30
RAH04			32	25.80	72.0	0.10	5.20	9.20
RAH04			40	24.41	76.8	0.17	5.00	10.30
RAH04			50	22.84	81.2	0.24	4.70	11.50
RAH04			63	20.60	85.0	0.37	4.30	13.00
RAH04			80	17.64	88.3	0.54	3.70	14.80
RAH04			100	14.01	91.1	0.84	3.00	16.80
RAH04			125	9.57	93.3	1.28	1.80	18.80
RAH04			160	3.81	95.0	1.92	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			200	-0.11	96.1	2.76	0.00	22.80
RAH05	2 603	2 608						
RAH05			20	31.22	62.0	0.00	5.60	7.60
RAH05			25	29.67	67.2	0.05	5.40	8.30
RAH05			32	28.04	72.0	0.08	5.20	9.20
RAH05			40	26.67	76.8	0.13	5.00	10.30
RAH05			50	25.12	81.2	0.18	4.70	11.50
RAH05			63	22.91	85.0	0.29	4.30	13.00
RAH05			80	19.98	88.3	0.42	3.70	14.80
RAH05			100	16.42	91.1	0.65	3.00	16.80
RAH05			125	12.08	93.3	0.99	1.80	18.80
RAH05			160	6.46	95.0	1.49	0.00	21.10
RAH05			200	2.74	96.1	2.14	0.00	22.80
RAH06	3 131	3 135						
RAH06			20	29.62	62.0	0.00	5.60	7.60
RAH06			25	28.06	67.2	0.06	5.40	8.30
RAH06			32	26.43	72.0	0.09	5.20	9.20
RAH06			40	25.04	76.8	0.16	5.00	10.30
RAH06			50	23.48	81.2	0.22	4.70	11.50
RAH06			63	21.25	85.0	0.34	4.30	13.00
RAH06			80	18.30	88.3	0.50	3.70	14.80
RAH06			100	14.69	91.1	0.78	3.00	16.80
RAH06			125	10.28	93.3	1.19	1.80	18.80
RAH06			160	4.56	95.0	1.79	0.00	21.10
RAH06			200	0.70	96.1	2.57	0.00	22.80
RAH07	4 820	4 823						
RAH07			20	25.88	62.0	0.00	5.60	7.60
RAH07			25	24.29	67.2	0.10	5.40	8.30
RAH07			32	22.64	72.0	0.14	5.20	9.20
RAH07			40	21.22	76.8	0.24	5.00	10.30
RAH07			50	19.62	81.2	0.34	4.70	11.50
RAH07			63	17.33	85.0	0.53	4.30	13.00
RAH07			80	14.29	88.3	0.77	3.70	14.80
RAH07			100	10.53	91.1	1.21	3.00	16.80
RAH07			125	5.90	93.3	1.83	1.80	18.80
RAH07			160	-0.14	95.0	2.75	0.00	21.10
RAH07			200	-4.42	96.1	3.95	0.00	22.80
RAH08	4 749	4 751						
RAH08			20	26.01	62.0	0.00	5.60	7.60
RAH08			25	24.42	67.2	0.10	5.40	8.30
RAH08			32	22.77	72.0	0.14	5.20	9.20
RAH08			40	21.35	76.8	0.24	5.00	10.30
RAH08			50	19.76	81.2	0.33	4.70	11.50
RAH08			63	17.47	85.0	0.52	4.30	13.00
RAH08			80	14.43	88.3	0.76	3.70	14.80
RAH08			100	10.68	91.1	1.19	3.00	16.80
RAH08			125	6.06	93.3	1.81	1.80	18.80
RAH08			160	0.03	95.0	2.71	0.00	21.10
RAH08			200	-4.23	96.1	3.90	0.00	22.80
RAH09	4 027	4 030						
RAH09			20	27.44	62.0	0.00	5.60	7.60
RAH09			25	25.86	67.2	0.08	5.40	8.30
RAH09			32	24.22	72.0	0.12	5.20	9.20
RAH09			40	22.82	76.8	0.20	5.00	10.30
RAH09			50	21.24	81.2	0.28	4.70	11.50
RAH09			63	18.97	85.0	0.44	4.30	13.00
RAH09			80	15.97	88.3	0.64	3.70	14.80
RAH09			100	12.29	91.1	1.01	3.00	16.80
RAH09			125	7.76	93.3	1.53	1.80	18.80
RAH09			160	1.87	95.0	2.30	0.00	21.10
RAH09			200	-2.21	96.1	3.30	0.00	22.80
RAH10	4 212	4 214						
RAH10			20	27.05	62.0	0.00	5.60	7.60
RAH10			25	25.47	67.2	0.08	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH10			32	23.83	72.0	0.13	5.20	9.20
RAH10			40	22.42	76.8	0.21	5.00	10.30
RAH10			50	20.83	81.2	0.30	4.70	11.50
RAH10			63	18.57	85.0	0.46	4.30	13.00
RAH10			80	15.56	88.3	0.67	3.70	14.80
RAH10			100	11.85	91.1	1.05	3.00	16.80
RAH10			125	7.30	93.3	1.60	1.80	18.80
RAH10			160	1.38	95.0	2.40	0.00	21.10
RAH10			200	-2.75	96.1	3.46	0.00	22.80
RAH11	2 313	2 318						
RAH11			20	32.24	62.0	0.00	5.60	7.60
RAH11			25	30.70	67.2	0.05	5.40	8.30
RAH11			32	29.08	72.0	0.07	5.20	9.20
RAH11			40	27.70	76.8	0.12	5.00	10.30
RAH11			50	26.16	81.2	0.16	4.70	11.50
RAH11			63	23.97	85.0	0.26	4.30	13.00
RAH11			80	21.05	88.3	0.37	3.70	14.80
RAH11			100	17.52	91.1	0.58	3.00	16.80
RAH11			125	13.22	93.3	0.88	1.80	18.80
RAH11			160	7.65	95.0	1.32	0.00	21.10
RAH11			200	4.00	96.1	1.90	0.00	22.80
RAH12	2 999	3 003						
RAH12			20	30.00	62.0	0.00	5.60	7.60
RAH12			25	28.44	67.2	0.06	5.40	8.30
RAH12			32	26.81	72.0	0.09	5.20	9.20
RAH12			40	25.42	76.8	0.15	5.00	10.30
RAH12			50	23.86	81.2	0.21	4.70	11.50
RAH12			63	21.64	85.0	0.33	4.30	13.00
RAH12			80	18.69	88.3	0.48	3.70	14.80
RAH12			100	15.10	91.1	0.75	3.00	16.80
RAH12			125	10.71	93.3	1.14	1.80	18.80
RAH12			160	5.01	95.0	1.71	0.00	21.10
RAH12			200	1.19	96.1	2.46	0.00	22.80
RAH13	2 783	2 788						
RAH13			20	30.64	62.0	0.00	5.60	7.60
RAH13			25	29.09	67.2	0.06	5.40	8.30
RAH13			32	27.46	72.0	0.08	5.20	9.20
RAH13			40	26.08	76.8	0.14	5.00	10.30
RAH13			50	24.52	81.2	0.20	4.70	11.50
RAH13			63	22.31	85.0	0.31	4.30	13.00
RAH13			80	19.37	88.3	0.45	3.70	14.80
RAH13			100	15.80	91.1	0.70	3.00	16.80
RAH13			125	11.44	93.3	1.06	1.80	18.80
RAH13			160	5.78	95.0	1.59	0.00	21.10
RAH13			200	2.01	96.1	2.29	0.00	22.80
RAH14	2 128	2 134						
RAH14			20	32.96	62.0	0.00	5.60	7.60
RAH14			25	31.42	67.2	0.04	5.40	8.30
RAH14			32	29.80	72.0	0.06	5.20	9.20
RAH14			40	28.43	76.8	0.11	5.00	10.30
RAH14			50	26.89	81.2	0.15	4.70	11.50
RAH14			63	24.71	85.0	0.23	4.30	13.00
RAH14			80	21.80	88.3	0.34	3.70	14.80
RAH14			100	18.28	91.1	0.53	3.00	16.80
RAH14			125	14.01	93.3	0.81	1.80	18.80
RAH14			160	8.48	95.0	1.22	0.00	21.10
RAH14			200	4.87	96.1	1.75	0.00	22.80
RAH15	2 937	2 941						
RAH15			20	30.18	62.0	0.00	5.60	7.60
RAH15			25	28.62	67.2	0.06	5.40	8.30
RAH15			32	26.99	72.0	0.09	5.20	9.20
RAH15			40	25.61	76.8	0.15	5.00	10.30
RAH15			50	24.05	81.2	0.21	4.70	11.50
RAH15			63	21.83	85.0	0.32	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			80	18.88	88.3	0.47	3.70	14.80
RAH15			100	15.29	91.1	0.74	3.00	16.80
RAH15			125	10.91	93.3	1.12	1.80	18.80
RAH15			160	5.23	95.0	1.68	0.00	21.10
RAH15			200	1.42	96.1	2.41	0.00	22.80
RAH16	3 564	3 568						
RAH16			20	28.50	62.0	0.00	5.60	7.60
RAH16			25	26.93	67.2	0.07	5.40	8.30
RAH16			32	25.29	72.0	0.11	5.20	9.20
RAH16			40	23.90	76.8	0.18	5.00	10.30
RAH16			50	22.33	81.2	0.25	4.70	11.50
RAH16			63	20.08	85.0	0.39	4.30	13.00
RAH16			80	17.11	88.3	0.57	3.70	14.80
RAH16			100	13.46	91.1	0.89	3.00	16.80
RAH16			125	9.00	93.3	1.36	1.80	18.80
RAH16			160	3.19	95.0	2.03	0.00	21.10
RAH16			200	-0.77	96.1	2.93	0.00	22.80
RAH17	2 102	2 109						
RAH17			20	33.07	62.0	0.00	5.60	7.60
RAH17			25	31.53	67.2	0.04	5.40	8.30
RAH17			32	29.90	72.0	0.06	5.20	9.20
RAH17			40	28.54	76.8	0.11	5.00	10.30
RAH17			50	27.00	81.2	0.15	4.70	11.50
RAH17			63	24.81	85.0	0.23	4.30	13.00
RAH17			80	21.91	88.3	0.34	3.70	14.80
RAH17			100	18.39	91.1	0.53	3.00	16.80
RAH17			125	14.12	93.3	0.80	1.80	18.80
RAH17			160	8.59	95.0	1.20	0.00	21.10
RAH17			200	4.99	96.1	1.73	0.00	22.80
RAH18	2 655	2 661						
RAH18			20	31.05	62.0	0.00	5.60	7.60
RAH18			25	29.49	67.2	0.05	5.40	8.30
RAH18			32	27.87	72.0	0.08	5.20	9.20
RAH18			40	26.49	76.8	0.13	5.00	10.30
RAH18			50	24.94	81.2	0.19	4.70	11.50
RAH18			63	22.73	85.0	0.29	4.30	13.00
RAH18			80	19.80	88.3	0.43	3.70	14.80
RAH18			100	16.23	91.1	0.67	3.00	16.80
RAH18			125	11.89	93.3	1.01	1.80	18.80
RAH18			160	6.26	95.0	1.52	0.00	21.10
RAH18			200	2.52	96.1	2.18	0.00	22.80
RAH19	2 831	2 836						
RAH19			20	30.49	62.0	0.00	5.60	7.60
RAH19			25	28.94	67.2	0.06	5.40	8.30
RAH19			32	27.31	72.0	0.09	5.20	9.20
RAH19			40	25.93	76.8	0.14	5.00	10.30
RAH19			50	24.37	81.2	0.20	4.70	11.50
RAH19			63	22.16	85.0	0.31	4.30	13.00
RAH19			80	19.22	88.3	0.45	3.70	14.80
RAH19			100	15.64	91.1	0.71	3.00	16.80
RAH19			125	11.27	93.3	1.08	1.80	18.80
RAH19			160	5.60	95.0	1.62	0.00	21.10
RAH19			200	1.82	96.1	2.33	0.00	22.80
SIL01	8 693	8 695						
SIL01			20	22.04	63.3	0.00	5.60	7.60
SIL01			25	20.26	68.4	0.17	5.40	8.30
SIL01			32	14.28	68.9	0.26	5.20	9.20
SIL01			40	11.20	72.1	0.43	5.00	10.30
SIL01			50	9.83	76.8	0.61	4.70	11.50
SIL01			63	6.56	79.8	0.96	4.30	13.00
SIL01			80	2.84	82.6	1.39	3.70	14.80
SIL01			100	-0.63	86.0	2.17	3.00	16.80
SIL01			125	-4.70	89.3	3.30	1.80	18.80
SIL01			160	-14.26	88.2	4.96	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			200	-18.83	90.0	7.13	0.00	22.80
SIL02	8 232	8 234						
SIL02			20	22.51	63.3	0.00	5.60	7.60
SIL02			25	20.74	68.4	0.16	5.40	8.30
SIL02			32	14.77	68.9	0.25	5.20	9.20
SIL02			40	11.70	72.1	0.41	5.00	10.30
SIL02			50	10.33	76.8	0.58	4.70	11.50
SIL02			63	7.09	79.8	0.91	4.30	13.00
SIL02			80	3.38	82.6	1.32	3.70	14.80
SIL02			100	-0.04	86.0	2.06	3.00	16.80
SIL02			125	-4.05	89.3	3.13	1.80	18.80
SIL02			160	-13.52	88.2	4.69	0.00	21.10
SIL02			200	-17.98	90.0	6.75	0.00	22.80
SIL03	7 636	7 638						
SIL03			20	23.16	63.3	0.00	5.60	7.60
SIL03			25	21.41	68.4	0.15	5.40	8.30
SIL03			32	15.44	68.9	0.23	5.20	9.20
SIL03			40	12.38	72.1	0.38	5.00	10.30
SIL03			50	11.03	76.8	0.53	4.70	11.50
SIL03			63	7.81	79.8	0.84	4.30	13.00
SIL03			80	4.13	82.6	1.22	3.70	14.80
SIL03			100	0.76	86.0	1.91	3.00	16.80
SIL03			125	-3.17	89.3	2.90	1.80	18.80
SIL03			160	-12.53	88.2	4.35	0.00	21.10
SIL03			200	-16.83	90.0	6.26	0.00	22.80
SIL04	7 592	7 594						
SIL04			20	23.21	63.3	0.00	5.60	7.60
SIL04			25	21.46	68.4	0.15	5.40	8.30
SIL04			32	15.49	68.9	0.23	5.20	9.20
SIL04			40	12.43	72.1	0.38	5.00	10.30
SIL04			50	11.08	76.8	0.53	4.70	11.50
SIL04			63	7.86	79.8	0.84	4.30	13.00
SIL04			80	4.19	82.6	1.21	3.70	14.80
SIL04			100	0.82	86.0	1.90	3.00	16.80
SIL04			125	-3.11	89.3	2.89	1.80	18.80
SIL04			160	-12.45	88.2	4.33	0.00	21.10
SIL04			200	-16.75	90.0	6.23	0.00	22.80
SIL05	8 407	8 409						
SIL05			20	22.33	63.3	0.00	5.60	7.60
SIL05			25	20.55	68.4	0.17	5.40	8.30
SIL05			32	14.58	68.9	0.25	5.20	9.20
SIL05			40	11.51	72.1	0.42	5.00	10.30
SIL05			50	10.14	76.8	0.59	4.70	11.50
SIL05			63	6.89	79.8	0.92	4.30	13.00
SIL05			80	3.17	82.6	1.35	3.70	14.80
SIL05			100	-0.27	86.0	2.10	3.00	16.80
SIL05			125	-4.30	89.3	3.20	1.80	18.80
SIL05			160	-13.81	88.2	4.79	0.00	21.10
SIL05			200	-18.30	90.0	6.90	0.00	22.80
SIL06	8 057	8 059						
SIL06			20	22.70	63.3	0.00	5.60	7.60
SIL06			25	20.93	68.4	0.16	5.40	8.30
SIL06			32	14.96	68.9	0.24	5.20	9.20
SIL06			40	11.90	72.1	0.40	5.00	10.30
SIL06			50	10.53	76.8	0.56	4.70	11.50
SIL06			63	7.29	79.8	0.89	4.30	13.00
SIL06			80	3.60	82.6	1.29	3.70	14.80
SIL06			100	0.19	86.0	2.01	3.00	16.80
SIL06			125	-3.80	89.3	3.06	1.80	18.80
SIL06			160	-13.24	88.2	4.59	0.00	21.10
SIL06			200	-17.64	90.0	6.61	0.00	22.80
SIL07	7 487	7 489						
SIL07			20	23.33	63.3	0.00	5.60	7.60
SIL07			25	21.58	68.4	0.15	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL07			32	15.62	68.9	0.22	5.20	9.20
SIL07			40	12.56	72.1	0.37	5.00	10.30
SIL07			50	11.21	76.8	0.52	4.70	11.50
SIL07			63	7.99	79.8	0.82	4.30	13.00
SIL07			80	4.32	82.6	1.20	3.70	14.80
SIL07			100	0.97	86.0	1.87	3.00	16.80
SIL07			125	-2.95	89.3	2.85	1.80	18.80
SIL07			160	-12.27	88.2	4.27	0.00	21.10
SIL07			200	-16.54	90.0	6.14	0.00	22.80
SIL08	7 813	7 815						
SIL08			20	22.97	63.3	0.00	5.60	7.60
SIL08			25	21.20	68.4	0.16	5.40	8.30
SIL08			32	15.24	68.9	0.23	5.20	9.20
SIL08			40	12.17	72.1	0.39	5.00	10.30
SIL08			50	10.82	76.8	0.55	4.70	11.50
SIL08			63	7.59	79.8	0.86	4.30	13.00
SIL08			80	3.90	82.6	1.25	3.70	14.80
SIL08			100	0.52	86.0	1.95	3.00	16.80
SIL08			125	-3.44	89.3	2.97	1.80	18.80
SIL08			160	-12.83	88.2	4.45	0.00	21.10
SIL08			200	-17.18	90.0	6.41	0.00	22.80
Sum								
Sum			20	46.83				
Sum			25	44.60				
Sum			32	43.22				
Sum			40	41.24				
Sum			50	40.01				
Sum			63	36.72				
Sum			80	33.59				
Sum			100	30.71				
Sum			125	25.12				
Sum			160	19.33				
Sum			200	15.58				

Noise sensitive area: Q Noise sensitive point: Finnish normal frequency - User defined (44)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 135	4 139						
KAR01			20	29.06	63.9	0.00	5.60	7.60
KAR01			25	26.18	67.8	0.08	5.40	8.30
KAR01			32	25.24	73.3	0.12	5.20	9.20
KAR01			40	22.65	76.9	0.21	5.00	10.30
KAR01			50	21.77	82.0	0.29	4.70	11.50
KAR01			63	17.01	83.3	0.46	4.30	13.00
KAR01			80	13.50	86.1	0.66	3.70	14.80
KAR01			100	11.73	90.8	1.03	3.00	16.80
KAR01			125	3.49	89.3	1.57	1.80	18.80
KAR01			160	-2.80	90.6	2.36	0.00	21.10
KAR01			200	-6.73	91.9	3.39	0.00	22.80
KAR02	4 137	4 141						
KAR02			20	29.06	63.9	0.00	5.60	7.60
KAR02			25	26.17	67.8	0.08	5.40	8.30
KAR02			32	25.23	73.3	0.12	5.20	9.20
KAR02			40	22.65	76.9	0.21	5.00	10.30
KAR02			50	21.77	82.0	0.29	4.70	11.50
KAR02			63	17.00	83.3	0.46	4.30	13.00
KAR02			80	13.49	86.1	0.66	3.70	14.80
KAR02			100	11.72	90.8	1.04	3.00	16.80
KAR02			125	3.48	89.3	1.57	1.80	18.80
KAR02			160	-2.80	90.6	2.36	0.00	21.10
KAR02			200	-6.74	91.9	3.40	0.00	22.80
KAR03	4 443	4 447						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR03			20	28.44	63.9	0.00	5.60	7.60
KAR03			25	25.55	67.8	0.09	5.40	8.30
KAR03			32	24.61	73.3	0.13	5.20	9.20
KAR03			40	22.02	76.9	0.22	5.00	10.30
KAR03			50	21.13	82.0	0.31	4.70	11.50
KAR03			63	16.35	83.3	0.49	4.30	13.00
KAR03			80	12.83	86.1	0.71	3.70	14.80
KAR03			100	11.03	90.8	1.11	3.00	16.80
KAR03			125	2.75	89.3	1.69	1.80	18.80
KAR03			160	-3.60	90.6	2.53	0.00	21.10
KAR03			200	-7.61	91.9	3.65	0.00	22.80
KAR04	4 956	4 960						
KAR04			20	27.49	63.9	0.00	5.60	7.60
KAR04			25	24.59	67.8	0.10	5.40	8.30
KAR04			32	23.64	73.3	0.15	5.20	9.20
KAR04			40	21.04	76.9	0.25	5.00	10.30
KAR04			50	20.14	82.0	0.35	4.70	11.50
KAR04			63	15.34	83.3	0.55	4.30	13.00
KAR04			80	11.80	86.1	0.79	3.70	14.80
KAR04			100	9.95	90.8	1.24	3.00	16.80
KAR04			125	1.61	89.3	1.88	1.80	18.80
KAR04			160	-4.84	90.6	2.83	0.00	21.10
KAR04			200	-8.98	91.9	4.07	0.00	22.80
KAR05	5 473	5 476						
KAR05			20	26.63	63.9	0.00	5.60	7.60
KAR05			25	23.72	67.8	0.11	5.40	8.30
KAR05			32	22.77	73.3	0.16	5.20	9.20
KAR05			40	20.16	76.9	0.27	5.00	10.30
KAR05			50	19.25	82.0	0.38	4.70	11.50
KAR05			63	14.43	83.3	0.60	4.30	13.00
KAR05			80	10.85	86.1	0.88	3.70	14.80
KAR05			100	8.96	90.8	1.37	3.00	16.80
KAR05			125	0.55	89.3	2.08	1.80	18.80
KAR05			160	-5.99	90.6	3.12	0.00	21.10
KAR05			200	-10.26	91.9	4.49	0.00	22.80
KAR06	5 026	5 030						
KAR06			20	27.37	63.9	0.00	5.60	7.60
KAR06			25	24.47	67.8	0.10	5.40	8.30
KAR06			32	23.52	73.3	0.15	5.20	9.20
KAR06			40	20.92	76.9	0.25	5.00	10.30
KAR06			50	20.02	82.0	0.35	4.70	11.50
KAR06			63	15.22	83.3	0.55	4.30	13.00
KAR06			80	11.66	86.1	0.80	3.70	14.80
KAR06			100	9.81	90.8	1.26	3.00	16.80
KAR06			125	1.46	89.3	1.91	1.80	18.80
KAR06			160	-5.00	90.6	2.87	0.00	21.10
KAR06			200	-9.16	91.9	4.12	0.00	22.80
KAR07	4 957	4 961						
KAR07			20	27.49	63.9	0.00	5.60	7.60
KAR07			25	24.59	67.8	0.10	5.40	8.30
KAR07			32	23.64	73.3	0.15	5.20	9.20
KAR07			40	21.04	76.9	0.25	5.00	10.30
KAR07			50	20.14	82.0	0.35	4.70	11.50
KAR07			63	15.34	83.3	0.55	4.30	13.00
KAR07			80	11.80	86.1	0.79	3.70	14.80
KAR07			100	9.95	90.8	1.24	3.00	16.80
KAR07			125	1.60	89.3	1.89	1.80	18.80
KAR07			160	-4.84	90.6	2.83	0.00	21.10
KAR07			200	-8.98	91.9	4.07	0.00	22.80
KAR08	5 074	5 077						
KAR08			20	27.29	63.9	0.00	5.60	7.60
KAR08			25	24.39	67.8	0.10	5.40	8.30
KAR08			32	23.44	73.3	0.15	5.20	9.20
KAR08			40	20.83	76.9	0.25	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR08			50	19.93	82.0	0.36	4.70	11.50
KAR08			63	15.13	83.3	0.56	4.30	13.00
KAR08			80	11.58	86.1	0.81	3.70	14.80
KAR08			100	9.72	90.8	1.27	3.00	16.80
KAR08			125	1.36	89.3	1.93	1.80	18.80
KAR08			160	-5.11	90.6	2.89	0.00	21.10
KAR08			200	-9.28	91.9	4.16	0.00	22.80
KAR09	5 977	5 980						
KAR09			20	25.87	63.9	0.00	5.60	7.60
KAR09			25	22.95	67.8	0.12	5.40	8.30
KAR09			32	21.99	73.3	0.18	5.20	9.20
KAR09			40	19.37	76.9	0.30	5.00	10.30
KAR09			50	18.45	82.0	0.42	4.70	11.50
KAR09			63	13.61	83.3	0.66	4.30	13.00
KAR09			80	10.01	86.1	0.96	3.70	14.80
KAR09			100	8.07	90.8	1.49	3.00	16.80
KAR09			125	-0.41	89.3	2.27	1.80	18.80
KAR09			160	-7.04	90.6	3.41	0.00	21.10
KAR09			200	-11.44	91.9	4.90	0.00	22.80
KAR10	5 702	5 706						
KAR10			20	26.27	63.9	0.00	5.60	7.60
KAR10			25	23.36	67.8	0.11	5.40	8.30
KAR10			32	22.40	73.3	0.17	5.20	9.20
KAR10			40	19.79	76.9	0.29	5.00	10.30
KAR10			50	18.87	82.0	0.40	4.70	11.50
KAR10			63	14.05	83.3	0.63	4.30	13.00
KAR10			80	10.46	86.1	0.91	3.70	14.80
KAR10			100	8.55	90.8	1.43	3.00	16.80
KAR10			125	0.11	89.3	2.17	1.80	18.80
KAR10			160	-6.48	90.6	3.25	0.00	21.10
KAR10			200	-10.80	91.9	4.68	0.00	22.80
KAR11	5 587	5 590						
KAR11			20	26.45	63.9	0.00	5.60	7.60
KAR11			25	23.54	67.8	0.11	5.40	8.30
KAR11			32	22.58	73.3	0.17	5.20	9.20
KAR11			40	19.97	76.9	0.28	5.00	10.30
KAR11			50	19.06	82.0	0.39	4.70	11.50
KAR11			63	14.24	83.3	0.61	4.30	13.00
KAR11			80	10.66	86.1	0.89	3.70	14.80
KAR11			100	8.75	90.8	1.40	3.00	16.80
KAR11			125	0.33	89.3	2.12	1.80	18.80
KAR11			160	-6.23	90.6	3.19	0.00	21.10
KAR11			200	-10.53	91.9	4.58	0.00	22.80
KAR12	6 249	6 252						
KAR12			20	25.48	63.9	0.00	5.60	7.60
KAR12			25	22.56	67.8	0.13	5.40	8.30
KAR12			32	21.59	73.3	0.19	5.20	9.20
KAR12			40	18.97	76.9	0.31	5.00	10.30
KAR12			50	18.04	82.0	0.44	4.70	11.50
KAR12			63	13.19	83.3	0.69	4.30	13.00
KAR12			80	9.58	86.1	1.00	3.70	14.80
KAR12			100	7.62	90.8	1.56	3.00	16.80
KAR12			125	-0.90	89.3	2.38	1.80	18.80
KAR12			160	-7.58	90.6	3.56	0.00	21.10
KAR12			200	-12.05	91.9	5.13	0.00	22.80
KAR13	5 998	6 001						
KAR13			20	25.84	63.9	0.00	5.60	7.60
KAR13			25	22.92	67.8	0.12	5.40	8.30
KAR13			32	21.96	73.3	0.18	5.20	9.20
KAR13			40	19.34	76.9	0.30	5.00	10.30
KAR13			50	18.42	82.0	0.42	4.70	11.50
KAR13			63	13.58	83.3	0.66	4.30	13.00
KAR13			80	9.98	86.1	0.96	3.70	14.80
KAR13			100	8.04	90.8	1.50	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			125	-0.44	89.3	2.28	1.80	18.80
KAR13			160	-7.08	90.6	3.42	0.00	21.10
KAR13			200	-11.48	91.9	4.92	0.00	22.80
KAR14	6 617	6 620						
KAR14			20	24.98	63.9	0.00	5.60	7.60
KAR14			25	22.05	67.8	0.13	5.40	8.30
KAR14			32	21.08	73.3	0.20	5.20	9.20
KAR14			40	18.45	76.9	0.33	5.00	10.30
KAR14			50	17.52	82.0	0.46	4.70	11.50
KAR14			63	12.65	83.3	0.73	4.30	13.00
KAR14			80	9.02	86.1	1.06	3.70	14.80
KAR14			100	7.03	90.8	1.66	3.00	16.80
KAR14			125	-1.53	89.3	2.52	1.80	18.80
KAR14			160	-8.29	90.6	3.77	0.00	21.10
KAR14			200	-12.85	91.9	5.43	0.00	22.80
KAR15	6 028	6 031						
KAR15			20	25.79	63.9	0.00	5.60	7.60
KAR15			25	22.87	67.8	0.12	5.40	8.30
KAR15			32	21.91	73.3	0.18	5.20	9.20
KAR15			40	19.29	76.9	0.30	5.00	10.30
KAR15			50	18.37	82.0	0.42	4.70	11.50
KAR15			63	13.53	83.3	0.66	4.30	13.00
KAR15			80	9.93	86.1	0.96	3.70	14.80
KAR15			100	7.99	90.8	1.51	3.00	16.80
KAR15			125	-0.50	89.3	2.29	1.80	18.80
KAR15			160	-7.14	90.6	3.44	0.00	21.10
KAR15			200	-11.55	91.9	4.95	0.00	22.80
KAR16	6 942	6 944						
KAR16			20	24.57	63.9	0.00	5.60	7.60
KAR16			25	21.63	67.8	0.14	5.40	8.30
KAR16			32	20.66	73.3	0.21	5.20	9.20
KAR16			40	18.02	76.9	0.35	5.00	10.30
KAR16			50	17.08	82.0	0.49	4.70	11.50
KAR16			63	12.20	83.3	0.76	4.30	13.00
KAR16			80	8.56	86.1	1.11	3.70	14.80
KAR16			100	6.53	90.8	1.74	3.00	16.80
KAR16			125	-2.07	89.3	2.64	1.80	18.80
KAR16			160	-8.89	90.6	3.96	0.00	21.10
KAR16			200	-13.53	91.9	5.69	0.00	22.80
KAR17	6 879	6 881						
KAR17			20	24.65	63.9	0.00	5.60	7.60
KAR17			25	21.71	67.8	0.14	5.40	8.30
KAR17			32	20.74	73.3	0.21	5.20	9.20
KAR17			40	18.10	76.9	0.34	5.00	10.30
KAR17			50	17.16	82.0	0.48	4.70	11.50
KAR17			63	12.29	83.3	0.76	4.30	13.00
KAR17			80	8.65	86.1	1.10	3.70	14.80
KAR17			100	6.63	90.8	1.72	3.00	16.80
KAR17			125	-1.97	89.3	2.61	1.80	18.80
KAR17			160	-8.78	90.6	3.92	0.00	21.10
KAR17			200	-13.40	91.9	5.64	0.00	22.80
KAR18	7 353	7 355						
KAR18			20	24.07	63.9	0.00	5.60	7.60
KAR18			25	21.12	67.8	0.15	5.40	8.30
KAR18			32	20.15	73.3	0.22	5.20	9.20
KAR18			40	17.50	76.9	0.37	5.00	10.30
KAR18			50	16.55	82.0	0.51	4.70	11.50
KAR18			63	11.66	83.3	0.81	4.30	13.00
KAR18			80	7.99	86.1	1.18	3.70	14.80
KAR18			100	5.93	90.8	1.84	3.00	16.80
KAR18			125	-2.73	89.3	2.80	1.80	18.80
KAR18			160	-9.62	90.6	4.19	0.00	21.10
KAR18			200	-14.36	91.9	6.03	0.00	22.80
KAR19	6 789	6 792						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR19			20	24.76	63.9	0.00	5.60	7.60
KAR19			25	21.82	67.8	0.14	5.40	8.30
KAR19			32	20.86	73.3	0.20	5.20	9.20
KAR19			40	18.22	76.9	0.34	5.00	10.30
KAR19			50	17.28	82.0	0.48	4.70	11.50
KAR19			63	12.41	83.3	0.75	4.30	13.00
KAR19			80	8.77	86.1	1.09	3.70	14.80
KAR19			100	6.76	90.8	1.70	3.00	16.80
KAR19			125	-1.82	89.3	2.58	1.80	18.80
KAR19			160	-8.61	90.6	3.87	0.00	21.10
KAR19			200	-13.21	91.9	5.57	0.00	22.80
KAR20	7 492	7 495						
KAR20			20	23.90	63.9	0.00	5.60	7.60
KAR20			25	20.95	67.8	0.15	5.40	8.30
KAR20			32	19.98	73.3	0.22	5.20	9.20
KAR20			40	17.33	76.9	0.37	5.00	10.30
KAR20			50	16.38	82.0	0.52	4.70	11.50
KAR20			63	11.48	83.3	0.82	4.30	13.00
KAR20			80	7.81	86.1	1.20	3.70	14.80
KAR20			100	5.73	90.8	1.87	3.00	16.80
KAR20			125	-2.94	89.3	2.85	1.80	18.80
KAR20			160	-9.87	90.6	4.27	0.00	21.10
KAR20			200	-14.64	91.9	6.15	0.00	22.80
KAR21	7 333	7 336						
KAR21			20	24.09	63.9	0.00	5.60	7.60
KAR21			25	21.14	67.8	0.15	5.40	8.30
KAR21			32	20.17	73.3	0.22	5.20	9.20
KAR21			40	17.52	76.9	0.37	5.00	10.30
KAR21			50	16.58	82.0	0.51	4.70	11.50
KAR21			63	11.68	83.3	0.81	4.30	13.00
KAR21			80	8.02	86.1	1.17	3.70	14.80
KAR21			100	5.96	90.8	1.83	3.00	16.80
KAR21			125	-2.70	89.3	2.79	1.80	18.80
KAR21			160	-9.59	90.6	4.18	0.00	21.10
KAR21			200	-14.32	91.9	6.02	0.00	22.80
KAR22	7 426	7 429						
KAR22			20	23.98	63.9	0.00	5.60	7.60
KAR22			25	21.03	67.8	0.15	5.40	8.30
KAR22			32	20.06	73.3	0.22	5.20	9.20
KAR22			40	17.41	76.9	0.37	5.00	10.30
KAR22			50	16.46	82.0	0.52	4.70	11.50
KAR22			63	11.56	83.3	0.82	4.30	13.00
KAR22			80	7.89	86.1	1.19	3.70	14.80
KAR22			100	5.82	90.8	1.86	3.00	16.80
KAR22			125	-2.84	89.3	2.82	1.80	18.80
KAR22			160	-9.75	90.6	4.23	0.00	21.10
KAR22			200	-14.51	91.9	6.09	0.00	22.80
KAR23	7 974	7 977						
KAR23			20	23.36	63.9	0.00	5.60	7.60
KAR23			25	20.40	67.8	0.16	5.40	8.30
KAR23			32	19.42	73.3	0.24	5.20	9.20
KAR23			40	16.76	76.9	0.40	5.00	10.30
KAR23			50	15.81	82.0	0.56	4.70	11.50
KAR23			63	10.89	83.3	0.88	4.30	13.00
KAR23			80	7.19	86.1	1.28	3.70	14.80
KAR23			100	5.07	90.8	1.99	3.00	16.80
KAR23			125	-3.67	89.3	3.03	1.80	18.80
KAR23			160	-10.68	90.6	4.55	0.00	21.10
KAR23			200	-15.58	91.9	6.54	0.00	22.80
KAR24	4 385	4 389						
KAR24			20	28.55	63.9	0.00	5.60	7.60
KAR24			25	25.66	67.8	0.09	5.40	8.30
KAR24			32	24.72	73.3	0.13	5.20	9.20
KAR24			40	22.13	76.9	0.22	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR24			50	21.25	82.0	0.31	4.70	11.50
KAR24			63	16.47	83.3	0.48	4.30	13.00
KAR24			80	12.95	86.1	0.70	3.70	14.80
KAR24			100	11.16	90.8	1.10	3.00	16.80
KAR24			125	2.88	89.3	1.67	1.80	18.80
KAR24			160	-3.45	90.6	2.50	0.00	21.10
KAR24			200	-7.45	91.9	3.60	0.00	22.80
KAR25	3 680	3 684						
KAR25			20	30.07	63.9	0.00	5.60	7.60
KAR25			25	27.20	67.8	0.07	5.40	8.30
KAR25			32	26.26	73.3	0.11	5.20	9.20
KAR25			40	23.69	76.9	0.18	5.00	10.30
KAR25			50	22.81	82.0	0.26	4.70	11.50
KAR25			63	18.07	83.3	0.41	4.30	13.00
KAR25			80	14.58	86.1	0.59	3.70	14.80
KAR25			100	12.85	90.8	0.92	3.00	16.80
KAR25			125	4.67	89.3	1.40	1.80	18.80
KAR25			160	-1.53	90.6	2.10	0.00	21.10
KAR25			200	-5.35	91.9	3.02	0.00	22.80
MAA01	1 452	1 459						
MAA01			20	38.12	63.9	0.00	5.60	7.60
MAA01			25	35.29	67.8	0.03	5.40	8.30
MAA01			32	34.38	73.3	0.04	5.20	9.20
MAA01			40	31.85	76.9	0.07	5.00	10.30
MAA01			50	31.02	82.0	0.10	4.70	11.50
MAA01			63	26.36	83.3	0.16	4.30	13.00
MAA01			80	22.99	86.1	0.23	3.70	14.80
MAA01			100	21.46	90.8	0.36	3.00	16.80
MAA01			125	13.57	89.3	0.55	1.80	18.80
MAA01			160	7.79	90.6	0.83	0.00	21.10
MAA01			200	4.53	91.9	1.20	0.00	22.80
MAA03	1 984	1 989						
MAA03			20	35.43	63.9	0.00	5.60	7.60
MAA03			25	32.59	67.8	0.04	5.40	8.30
MAA03			32	31.67	73.3	0.06	5.20	9.20
MAA03			40	29.13	76.9	0.10	5.00	10.30
MAA03			50	28.29	82.0	0.14	4.70	11.50
MAA03			63	23.61	83.3	0.22	4.30	13.00
MAA03			80	20.21	86.1	0.32	3.70	14.80
MAA03			100	18.63	90.8	0.50	3.00	16.80
MAA03			125	10.67	89.3	0.76	1.80	18.80
MAA03			160	4.79	90.6	1.13	0.00	21.10
MAA03			200	1.40	91.9	1.63	0.00	22.80
MAA04	2 086	2 091						
MAA04			20	34.99	63.9	0.00	5.60	7.60
MAA04			25	32.15	67.8	0.04	5.40	8.30
MAA04			32	31.23	73.3	0.06	5.20	9.20
MAA04			40	28.69	76.9	0.10	5.00	10.30
MAA04			50	27.85	82.0	0.15	4.70	11.50
MAA04			63	23.16	83.3	0.23	4.30	13.00
MAA04			80	19.76	86.1	0.33	3.70	14.80
MAA04			100	18.17	90.8	0.52	3.00	16.80
MAA04			125	10.20	89.3	0.79	1.80	18.80
MAA04			160	4.30	90.6	1.19	0.00	21.10
MAA04			200	0.88	91.9	1.71	0.00	22.80
MAA05	2 543	2 546						
MAA05			20	33.28	63.9	0.00	5.60	7.60
MAA05			25	30.43	67.8	0.05	5.40	8.30
MAA05			32	29.50	73.3	0.08	5.20	9.20
MAA05			40	26.95	76.9	0.13	5.00	10.30
MAA05			50	26.10	82.0	0.18	4.70	11.50
MAA05			63	21.40	83.3	0.28	4.30	13.00
MAA05			80	17.97	86.1	0.41	3.70	14.80
MAA05			100	16.34	90.8	0.64	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			125	8.31	89.3	0.97	1.80	18.80
MAA05			160	2.33	90.6	1.45	0.00	21.10
MAA05			200	-1.21	91.9	2.09	0.00	22.80
MAA06	3 465	3 468						
MAA06			20	30.60	63.9	0.00	5.60	7.60
MAA06			25	27.73	67.8	0.07	5.40	8.30
MAA06			32	26.79	73.3	0.10	5.20	9.20
MAA06			40	24.23	76.9	0.17	5.00	10.30
MAA06			50	23.36	82.0	0.24	4.70	11.50
MAA06			63	18.62	83.3	0.38	4.30	13.00
MAA06			80	15.14	86.1	0.55	3.70	14.80
MAA06			100	13.43	90.8	0.87	3.00	16.80
MAA06			125	5.28	89.3	1.32	1.80	18.80
MAA06			160	-0.88	90.6	1.98	0.00	21.10
MAA06			200	-4.65	91.9	2.84	0.00	22.80
MAA07	3 841	3 844						
MAA07			20	29.71	63.9	0.00	5.60	7.60
MAA07			25	26.83	67.8	0.08	5.40	8.30
MAA07			32	25.89	73.3	0.12	5.20	9.20
MAA07			40	23.31	76.9	0.19	5.00	10.30
MAA07			50	22.44	82.0	0.27	4.70	11.50
MAA07			63	17.68	83.3	0.42	4.30	13.00
MAA07			80	14.19	86.1	0.61	3.70	14.80
MAA07			100	12.44	90.8	0.96	3.00	16.80
MAA07			125	4.24	89.3	1.46	1.80	18.80
MAA07			160	-1.99	90.6	2.19	0.00	21.10
MAA07			200	-5.85	91.9	3.15	0.00	22.80
MAA08	4 125	4 127						
MAA08			20	29.09	63.9	0.00	5.60	7.60
MAA08			25	26.20	67.8	0.08	5.40	8.30
MAA08			32	25.26	73.3	0.12	5.20	9.20
MAA08			40	22.68	76.9	0.21	5.00	10.30
MAA08			50	21.80	82.0	0.29	4.70	11.50
MAA08			63	17.03	83.3	0.45	4.30	13.00
MAA08			80	13.53	86.1	0.66	3.70	14.80
MAA08			100	11.75	90.8	1.03	3.00	16.80
MAA08			125	3.52	89.3	1.57	1.80	18.80
MAA08			160	-2.77	90.6	2.35	0.00	21.10
MAA08			200	-6.70	91.9	3.38	0.00	22.80
RAH01	2 894	2 898						
RAH01			20	30.31	62.0	0.00	5.60	7.60
RAH01			25	28.75	67.2	0.06	5.40	8.30
RAH01			32	27.12	72.0	0.09	5.20	9.20
RAH01			40	25.74	76.8	0.14	5.00	10.30
RAH01			50	24.18	81.2	0.20	4.70	11.50
RAH01			63	21.96	85.0	0.32	4.30	13.00
RAH01			80	19.02	88.3	0.46	3.70	14.80
RAH01			100	15.43	91.1	0.72	3.00	16.80
RAH01			125	11.06	93.3	1.10	1.80	18.80
RAH01			160	5.38	95.0	1.65	0.00	21.10
RAH01			200	1.58	96.1	2.38	0.00	22.80
RAH02	3 060	3 064						
RAH02			20	29.82	62.0	0.00	5.60	7.60
RAH02			25	28.26	67.2	0.06	5.40	8.30
RAH02			32	26.63	72.0	0.09	5.20	9.20
RAH02			40	25.25	76.8	0.15	5.00	10.30
RAH02			50	23.68	81.2	0.21	4.70	11.50
RAH02			63	21.46	85.0	0.34	4.30	13.00
RAH02			80	18.51	88.3	0.49	3.70	14.80
RAH02			100	14.91	91.1	0.77	3.00	16.80
RAH02			125	10.51	93.3	1.16	1.80	18.80
RAH02			160	4.80	95.0	1.75	0.00	21.10
RAH02			200	0.96	96.1	2.51	0.00	22.80
RAH03	2 324	2 330						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH03			20	32.20	62.0	0.00	5.60	7.60
RAH03			25	30.66	67.2	0.05	5.40	8.30
RAH03			32	29.03	72.0	0.07	5.20	9.20
RAH03			40	27.66	76.8	0.12	5.00	10.30
RAH03			50	26.12	81.2	0.16	4.70	11.50
RAH03			63	23.92	85.0	0.26	4.30	13.00
RAH03			80	21.01	88.3	0.37	3.70	14.80
RAH03			100	17.47	91.1	0.58	3.00	16.80
RAH03			125	13.17	93.3	0.89	1.80	18.80
RAH03			160	7.60	95.0	1.33	0.00	21.10
RAH03			200	3.94	96.1	1.91	0.00	22.80
RAH04	3 224	3 228						
RAH04			20	29.37	62.0	0.00	5.60	7.60
RAH04			25	27.81	67.2	0.06	5.40	8.30
RAH04			32	26.17	72.0	0.10	5.20	9.20
RAH04			40	24.78	76.8	0.16	5.00	10.30
RAH04			50	23.22	81.2	0.23	4.70	11.50
RAH04			63	20.99	85.0	0.36	4.30	13.00
RAH04			80	18.03	88.3	0.52	3.70	14.80
RAH04			100	14.42	91.1	0.81	3.00	16.80
RAH04			125	10.00	93.3	1.23	1.80	18.80
RAH04			160	4.26	95.0	1.84	0.00	21.10
RAH04			200	0.38	96.1	2.65	0.00	22.80
RAH05	2 437	2 442						
RAH05			20	31.79	62.0	0.00	5.60	7.60
RAH05			25	30.24	67.2	0.05	5.40	8.30
RAH05			32	28.62	72.0	0.07	5.20	9.20
RAH05			40	27.25	76.8	0.12	5.00	10.30
RAH05			50	25.70	81.2	0.17	4.70	11.50
RAH05			63	23.50	85.0	0.27	4.30	13.00
RAH05			80	20.58	88.3	0.39	3.70	14.80
RAH05			100	17.03	91.1	0.61	3.00	16.80
RAH05			125	12.72	93.3	0.93	1.80	18.80
RAH05			160	7.13	95.0	1.39	0.00	21.10
RAH05			200	3.44	96.1	2.00	0.00	22.80
RAH06	2 908	2 912						
RAH06			20	30.26	62.0	0.00	5.60	7.60
RAH06			25	28.71	67.2	0.06	5.40	8.30
RAH06			32	27.08	72.0	0.09	5.20	9.20
RAH06			40	25.70	76.8	0.15	5.00	10.30
RAH06			50	24.14	81.2	0.20	4.70	11.50
RAH06			63	21.92	85.0	0.32	4.30	13.00
RAH06			80	18.97	88.3	0.47	3.70	14.80
RAH06			100	15.39	91.1	0.73	3.00	16.80
RAH06			125	11.01	93.3	1.11	1.80	18.80
RAH06			160	5.33	95.0	1.66	0.00	21.10
RAH06			200	1.53	96.1	2.39	0.00	22.80
RAH07	4 588	4 591						
RAH07			20	26.31	62.0	0.00	5.60	7.60
RAH07			25	24.72	67.2	0.09	5.40	8.30
RAH07			32	23.07	72.0	0.14	5.20	9.20
RAH07			40	21.66	76.8	0.23	5.00	10.30
RAH07			50	20.07	81.2	0.32	4.70	11.50
RAH07			63	17.78	85.0	0.50	4.30	13.00
RAH07			80	14.75	88.3	0.73	3.70	14.80
RAH07			100	11.02	91.1	1.15	3.00	16.80
RAH07			125	6.42	93.3	1.74	1.80	18.80
RAH07			160	0.42	95.0	2.62	0.00	21.10
RAH07			200	-3.80	96.1	3.76	0.00	22.80
RAH08	4 561	4 564						
RAH08			20	26.36	62.0	0.00	5.60	7.60
RAH08			25	24.77	67.2	0.09	5.40	8.30
RAH08			32	23.13	72.0	0.14	5.20	9.20
RAH08			40	21.71	76.8	0.23	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH08			50	20.12	81.2	0.32	4.70	11.50
RAH08			63	17.84	85.0	0.50	4.30	13.00
RAH08			80	14.81	88.3	0.73	3.70	14.80
RAH08			100	11.07	91.1	1.14	3.00	16.80
RAH08			125	6.48	93.3	1.73	1.80	18.80
RAH08			160	0.49	95.0	2.60	0.00	21.10
RAH08			200	-3.73	96.1	3.74	0.00	22.80
RAH09	3 818	3 821						
RAH09			20	27.90	62.0	0.00	5.60	7.60
RAH09			25	26.33	67.2	0.08	5.40	8.30
RAH09			32	24.69	72.0	0.11	5.20	9.20
RAH09			40	23.29	76.8	0.19	5.00	10.30
RAH09			50	21.71	81.2	0.27	4.70	11.50
RAH09			63	19.46	85.0	0.42	4.30	13.00
RAH09			80	16.47	88.3	0.61	3.70	14.80
RAH09			100	12.80	91.1	0.96	3.00	16.80
RAH09			125	8.30	93.3	1.45	1.80	18.80
RAH09			160	2.45	95.0	2.18	0.00	21.10
RAH09			200	-1.58	96.1	3.13	0.00	22.80
RAH10	4 062	4 065						
RAH10			20	27.37	62.0	0.00	5.60	7.60
RAH10			25	25.79	67.2	0.08	5.40	8.30
RAH10			32	24.14	72.0	0.12	5.20	9.20
RAH10			40	22.74	76.8	0.20	5.00	10.30
RAH10			50	21.16	81.2	0.28	4.70	11.50
RAH10			63	18.90	85.0	0.45	4.30	13.00
RAH10			80	15.89	88.3	0.65	3.70	14.80
RAH10			100	12.20	91.1	1.02	3.00	16.80
RAH10			125	7.67	93.3	1.54	1.80	18.80
RAH10			160	1.78	95.0	2.32	0.00	21.10
RAH10			200	-2.32	96.1	3.33	0.00	22.80
RAH11	2 437	2 442						
RAH11			20	31.79	62.0	0.00	5.60	7.60
RAH11			25	30.24	67.2	0.05	5.40	8.30
RAH11			32	28.62	72.0	0.07	5.20	9.20
RAH11			40	27.25	76.8	0.12	5.00	10.30
RAH11			50	25.70	81.2	0.17	4.70	11.50
RAH11			63	23.50	85.0	0.27	4.30	13.00
RAH11			80	20.58	88.3	0.39	3.70	14.80
RAH11			100	17.03	91.1	0.61	3.00	16.80
RAH11			125	12.72	93.3	0.93	1.80	18.80
RAH11			160	7.13	95.0	1.39	0.00	21.10
RAH11			200	3.44	96.1	2.00	0.00	22.80
RAH12	3 148	3 152						
RAH12			20	29.58	62.0	0.00	5.60	7.60
RAH12			25	28.01	67.2	0.06	5.40	8.30
RAH12			32	26.38	72.0	0.09	5.20	9.20
RAH12			40	25.00	76.8	0.16	5.00	10.30
RAH12			50	23.43	81.2	0.22	4.70	11.50
RAH12			63	21.21	85.0	0.35	4.30	13.00
RAH12			80	18.25	88.3	0.50	3.70	14.80
RAH12			100	14.64	91.1	0.79	3.00	16.80
RAH12			125	10.23	93.3	1.20	1.80	18.80
RAH12			160	4.51	95.0	1.80	0.00	21.10
RAH12			200	0.65	96.1	2.58	0.00	22.80
RAH13	3 017	3 021						
RAH13			20	29.95	62.0	0.00	5.60	7.60
RAH13			25	28.39	67.2	0.06	5.40	8.30
RAH13			32	26.76	72.0	0.09	5.20	9.20
RAH13			40	25.37	76.8	0.15	5.00	10.30
RAH13			50	23.81	81.2	0.21	4.70	11.50
RAH13			63	21.59	85.0	0.33	4.30	13.00
RAH13			80	18.64	88.3	0.48	3.70	14.80
RAH13			100	15.04	91.1	0.76	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			125	10.65	93.3	1.15	1.80	18.80
RAH13			160	4.95	95.0	1.72	0.00	21.10
RAH13			200	1.12	96.1	2.48	0.00	22.80
RAH14	2 366	2 371						
RAH14			20	32.05	62.0	0.00	5.60	7.60
RAH14			25	30.50	67.2	0.05	5.40	8.30
RAH14			32	28.88	72.0	0.07	5.20	9.20
RAH14			40	27.51	76.8	0.12	5.00	10.30
RAH14			50	25.96	81.2	0.17	4.70	11.50
RAH14			63	23.76	85.0	0.26	4.30	13.00
RAH14			80	20.85	88.3	0.38	3.70	14.80
RAH14			100	17.31	91.1	0.59	3.00	16.80
RAH14			125	13.00	93.3	0.90	1.80	18.80
RAH14			160	7.42	95.0	1.35	0.00	21.10
RAH14			200	3.76	96.1	1.94	0.00	22.80
RAH15	3 245	3 249						
RAH15			20	29.31	62.0	0.00	5.60	7.60
RAH15			25	27.75	67.2	0.06	5.40	8.30
RAH15			32	26.12	72.0	0.10	5.20	9.20
RAH15			40	24.73	76.8	0.16	5.00	10.30
RAH15			50	23.16	81.2	0.23	4.70	11.50
RAH15			63	20.93	85.0	0.36	4.30	13.00
RAH15			80	17.97	88.3	0.52	3.70	14.80
RAH15			100	14.35	91.1	0.81	3.00	16.80
RAH15			125	9.93	93.3	1.23	1.80	18.80
RAH15			160	4.19	95.0	1.85	0.00	21.10
RAH15			200	0.30	96.1	2.66	0.00	22.80
RAH16	3 834	3 837						
RAH16			20	27.87	62.0	0.00	5.60	7.60
RAH16			25	26.29	67.2	0.08	5.40	8.30
RAH16			32	24.65	72.0	0.12	5.20	9.20
RAH16			40	23.25	76.8	0.19	5.00	10.30
RAH16			50	21.68	81.2	0.27	4.70	11.50
RAH16			63	19.42	85.0	0.42	4.30	13.00
RAH16			80	16.43	88.3	0.61	3.70	14.80
RAH16			100	12.76	91.1	0.96	3.00	16.80
RAH16			125	8.26	93.3	1.46	1.80	18.80
RAH16			160	2.41	95.0	2.19	0.00	21.10
RAH16			200	-1.63	96.1	3.15	0.00	22.80
RAH17	2 447	2 453						
RAH17			20	31.75	62.0	0.00	5.60	7.60
RAH17			25	30.21	67.2	0.05	5.40	8.30
RAH17			32	28.58	72.0	0.07	5.20	9.20
RAH17			40	27.21	76.8	0.12	5.00	10.30
RAH17			50	25.66	81.2	0.17	4.70	11.50
RAH17			63	23.46	85.0	0.27	4.30	13.00
RAH17			80	20.54	88.3	0.39	3.70	14.80
RAH17			100	16.99	91.1	0.61	3.00	16.80
RAH17			125	12.67	93.3	0.93	1.80	18.80
RAH17			160	7.08	95.0	1.40	0.00	21.10
RAH17			200	3.40	96.1	2.01	0.00	22.80
RAH18	2 994	2 999						
RAH18			20	30.01	62.0	0.00	5.60	7.60
RAH18			25	28.45	67.2	0.06	5.40	8.30
RAH18			32	26.82	72.0	0.09	5.20	9.20
RAH18			40	25.43	76.8	0.15	5.00	10.30
RAH18			50	23.87	81.2	0.21	4.70	11.50
RAH18			63	21.65	85.0	0.33	4.30	13.00
RAH18			80	18.70	88.3	0.48	3.70	14.80
RAH18			100	15.11	91.1	0.75	3.00	16.80
RAH18			125	10.72	93.3	1.14	1.80	18.80
RAH18			160	5.03	95.0	1.71	0.00	21.10
RAH18			200	1.20	96.1	2.46	0.00	22.80
RAH19	3 172	3 177						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH19			20	29.51	62.0	0.00	5.60	7.60
RAH19			25	27.94	67.2	0.06	5.40	8.30
RAH19			32	26.31	72.0	0.10	5.20	9.20
RAH19			40	24.92	76.8	0.16	5.00	10.30
RAH19			50	23.36	81.2	0.22	4.70	11.50
RAH19			63	21.13	85.0	0.35	4.30	13.00
RAH19			80	18.17	88.3	0.51	3.70	14.80
RAH19			100	14.56	91.1	0.79	3.00	16.80
RAH19			125	10.15	93.3	1.21	1.80	18.80
RAH19			160	4.42	95.0	1.81	0.00	21.10
RAH19			200	0.55	96.1	2.61	0.00	22.80
SIL01	9 038	9 040						
SIL01			20	21.70	63.3	0.00	5.60	7.60
SIL01			25	19.91	68.4	0.18	5.40	8.30
SIL01			32	13.93	68.9	0.27	5.20	9.20
SIL01			40	10.85	72.1	0.45	5.00	10.30
SIL01			50	9.47	76.8	0.63	4.70	11.50
SIL01			63	6.19	79.8	0.99	4.30	13.00
SIL01			80	2.44	82.6	1.45	3.70	14.80
SIL01			100	-1.05	86.0	2.26	3.00	16.80
SIL01			125	-5.17	89.3	3.44	1.80	18.80
SIL01			160	-14.79	88.2	5.15	0.00	21.10
SIL01			200	-19.45	90.0	7.41	0.00	22.80
SIL02	8 577	8 579						
SIL02			20	22.15	63.3	0.00	5.60	7.60
SIL02			25	20.38	68.4	0.17	5.40	8.30
SIL02			32	14.40	68.9	0.26	5.20	9.20
SIL02			40	11.33	72.1	0.43	5.00	10.30
SIL02			50	9.95	76.8	0.60	4.70	11.50
SIL02			63	6.69	79.8	0.94	4.30	13.00
SIL02			80	2.97	82.6	1.37	3.70	14.80
SIL02			100	-0.48	86.0	2.14	3.00	16.80
SIL02			125	-4.54	89.3	3.26	1.80	18.80
SIL02			160	-14.08	88.2	4.89	0.00	21.10
SIL02			200	-18.61	90.0	7.03	0.00	22.80
SIL03	7 979	7 981						
SIL03			20	22.78	63.3	0.00	5.60	7.60
SIL03			25	21.02	68.4	0.16	5.40	8.30
SIL03			32	15.05	68.9	0.24	5.20	9.20
SIL03			40	11.98	72.1	0.40	5.00	10.30
SIL03			50	10.62	76.8	0.56	4.70	11.50
SIL03			63	7.39	79.8	0.88	4.30	13.00
SIL03			80	3.69	82.6	1.28	3.70	14.80
SIL03			100	0.29	86.0	2.00	3.00	16.80
SIL03			125	-3.69	89.3	3.03	1.80	18.80
SIL03			160	-13.11	88.2	4.55	0.00	21.10
SIL03			200	-17.50	90.0	6.54	0.00	22.80
SIL04	7 937	7 939						
SIL04			20	22.83	63.3	0.00	5.60	7.60
SIL04			25	21.06	68.4	0.16	5.40	8.30
SIL04			32	15.10	68.9	0.24	5.20	9.20
SIL04			40	12.03	72.1	0.40	5.00	10.30
SIL04			50	10.67	76.8	0.56	4.70	11.50
SIL04			63	7.44	79.8	0.87	4.30	13.00
SIL04			80	3.75	82.6	1.27	3.70	14.80
SIL04			100	0.35	86.0	1.98	3.00	16.80
SIL04			125	-3.62	89.3	3.02	1.80	18.80
SIL04			160	-13.04	88.2	4.52	0.00	21.10
SIL04			200	-17.42	90.0	6.51	0.00	22.80
SIL05	8 751	8 753						
SIL05			20	21.98	63.3	0.00	5.60	7.60
SIL05			25	20.20	68.4	0.18	5.40	8.30
SIL05			32	14.22	68.9	0.26	5.20	9.20
SIL05			40	11.14	72.1	0.44	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL05			50	9.77	76.8	0.61	4.70	11.50
SIL05			63	6.50	79.8	0.96	4.30	13.00
SIL05			80	2.77	82.6	1.40	3.70	14.80
SIL05			100	-0.70	86.0	2.19	3.00	16.80
SIL05			125	-4.78	89.3	3.33	1.80	18.80
SIL05			160	-14.35	88.2	4.99	0.00	21.10
SIL05			200	-18.93	90.0	7.18	0.00	22.80
SIL06	8 402	8 404						
SIL06			20	22.33	63.3	0.00	5.60	7.60
SIL06			25	20.56	68.4	0.17	5.40	8.30
SIL06			32	14.59	68.9	0.25	5.20	9.20
SIL06			40	11.51	72.1	0.42	5.00	10.30
SIL06			50	10.15	76.8	0.59	4.70	11.50
SIL06			63	6.89	79.8	0.92	4.30	13.00
SIL06			80	3.18	82.6	1.34	3.70	14.80
SIL06			100	-0.26	86.0	2.10	3.00	16.80
SIL06			125	-4.29	89.3	3.19	1.80	18.80
SIL06			160	-13.80	88.2	4.79	0.00	21.10
SIL06			200	-18.29	90.0	6.89	0.00	22.80
SIL07	7 832	7 834						
SIL07			20	22.94	63.3	0.00	5.60	7.60
SIL07			25	21.18	68.4	0.16	5.40	8.30
SIL07			32	15.21	68.9	0.24	5.20	9.20
SIL07			40	12.15	72.1	0.39	5.00	10.30
SIL07			50	10.80	76.8	0.55	4.70	11.50
SIL07			63	7.56	79.8	0.86	4.30	13.00
SIL07			80	3.88	82.6	1.25	3.70	14.80
SIL07			100	0.49	86.0	1.96	3.00	16.80
SIL07			125	-3.47	89.3	2.98	1.80	18.80
SIL07			160	-12.86	88.2	4.47	0.00	21.10
SIL07			200	-17.21	90.0	6.42	0.00	22.80
SIL08	8 156	8 157						
SIL08			20	22.59	63.3	0.00	5.60	7.60
SIL08			25	20.82	68.4	0.16	5.40	8.30
SIL08			32	14.85	68.9	0.24	5.20	9.20
SIL08			40	11.78	72.1	0.41	5.00	10.30
SIL08			50	10.42	76.8	0.57	4.70	11.50
SIL08			63	7.18	79.8	0.90	4.30	13.00
SIL08			80	3.48	82.6	1.31	3.70	14.80
SIL08			100	0.06	86.0	2.04	3.00	16.80
SIL08			125	-3.94	89.3	3.10	1.80	18.80
SIL08			160	-13.40	88.2	4.65	0.00	21.10
SIL08			200	-17.83	90.0	6.69	0.00	22.80
Sum								
Sum			20	47.00				
Sum			25	44.70				
Sum			32	43.37				
Sum			40	41.33				
Sum			50	40.14				
Sum			63	36.73				
Sum			80	33.57				
Sum			100	30.79				
Sum			125	25.01				
Sum			160	19.20				
Sum			200	15.45				

Noise sensitive area: R Noise sensitive point: Finnish normal frequency - User defined (43)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 120	4 125						
KAR01			20	29.09	63.9	0.00	5.60	7.60
KAR01			25	26.21	67.8	0.08	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01			32	25.27	73.3	0.12	5.20	9.20
KAR01			40	22.69	76.9	0.21	5.00	10.30
KAR01			50	21.80	82.0	0.29	4.70	11.50
KAR01			63	17.04	83.3	0.45	4.30	13.00
KAR01			80	13.53	86.1	0.66	3.70	14.80
KAR01			100	11.76	90.8	1.03	3.00	16.80
KAR01			125	3.52	89.3	1.57	1.80	18.80
KAR01			160	-2.76	90.6	2.35	0.00	21.10
KAR01			200	-6.69	91.9	3.38	0.00	22.80
KAR02	4 127	4 131						
KAR02			20	29.08	63.9	0.00	5.60	7.60
KAR02			25	26.20	67.8	0.08	5.40	8.30
KAR02			32	25.26	73.3	0.12	5.20	9.20
KAR02			40	22.67	76.9	0.21	5.00	10.30
KAR02			50	21.79	82.0	0.29	4.70	11.50
KAR02			63	17.02	83.3	0.45	4.30	13.00
KAR02			80	13.52	86.1	0.66	3.70	14.80
KAR02			100	11.75	90.8	1.03	3.00	16.80
KAR02			125	3.51	89.3	1.57	1.80	18.80
KAR02			160	-2.78	90.6	2.35	0.00	21.10
KAR02			200	-6.71	91.9	3.39	0.00	22.80
KAR03	4 430	4 434						
KAR03			20	28.46	63.9	0.00	5.60	7.60
KAR03			25	25.58	67.8	0.09	5.40	8.30
KAR03			32	24.63	73.3	0.13	5.20	9.20
KAR03			40	22.04	76.9	0.22	5.00	10.30
KAR03			50	21.15	82.0	0.31	4.70	11.50
KAR03			63	16.38	83.3	0.49	4.30	13.00
KAR03			80	12.85	86.1	0.71	3.70	14.80
KAR03			100	11.06	90.8	1.11	3.00	16.80
KAR03			125	2.78	89.3	1.68	1.80	18.80
KAR03			160	-3.56	90.6	2.53	0.00	21.10
KAR03			200	-7.57	91.9	3.64	0.00	22.80
KAR04	4 942	4 946						
KAR04			20	27.51	63.9	0.00	5.60	7.60
KAR04			25	24.62	67.8	0.10	5.40	8.30
KAR04			32	23.67	73.3	0.15	5.20	9.20
KAR04			40	21.07	76.9	0.25	5.00	10.30
KAR04			50	20.17	82.0	0.35	4.70	11.50
KAR04			63	15.37	83.3	0.54	4.30	13.00
KAR04			80	11.82	86.1	0.79	3.70	14.80
KAR04			100	9.98	90.8	1.24	3.00	16.80
KAR04			125	1.64	89.3	1.88	1.80	18.80
KAR04			160	-4.80	90.6	2.82	0.00	21.10
KAR04			200	-8.94	91.9	4.06	0.00	22.80
KAR05	5 458	5 461						
KAR05			20	26.65	63.9	0.00	5.60	7.60
KAR05			25	23.75	67.8	0.11	5.40	8.30
KAR05			32	22.79	73.3	0.16	5.20	9.20
KAR05			40	20.18	76.9	0.27	5.00	10.30
KAR05			50	19.27	82.0	0.38	4.70	11.50
KAR05			63	14.45	83.3	0.60	4.30	13.00
KAR05			80	10.88	86.1	0.87	3.70	14.80
KAR05			100	8.99	90.8	1.37	3.00	16.80
KAR05			125	0.58	89.3	2.08	1.80	18.80
KAR05			160	-5.96	90.6	3.11	0.00	21.10
KAR05			200	-10.22	91.9	4.48	0.00	22.80
KAR06	5 015	5 019						
KAR06			20	27.39	63.9	0.00	5.60	7.60
KAR06			25	24.49	67.8	0.10	5.40	8.30
KAR06			32	23.54	73.3	0.15	5.20	9.20
KAR06			40	20.94	76.9	0.25	5.00	10.30
KAR06			50	20.04	82.0	0.35	4.70	11.50
KAR06			63	15.24	83.3	0.55	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			80	11.69	86.1	0.80	3.70	14.80
KAR06			100	9.83	90.8	1.25	3.00	16.80
KAR06			125	1.48	89.3	1.91	1.80	18.80
KAR06			160	-4.97	90.6	2.86	0.00	21.10
KAR06			200	-9.13	91.9	4.12	0.00	22.80
KAR07	4 948	4 952						
KAR07			20	27.50	63.9	0.00	5.60	7.60
KAR07			25	24.61	67.8	0.10	5.40	8.30
KAR07			32	23.66	73.3	0.15	5.20	9.20
KAR07			40	21.06	76.9	0.25	5.00	10.30
KAR07			50	20.16	82.0	0.35	4.70	11.50
KAR07			63	15.36	83.3	0.54	4.30	13.00
KAR07			80	11.81	86.1	0.79	3.70	14.80
KAR07			100	9.97	90.8	1.24	3.00	16.80
KAR07			125	1.62	89.3	1.88	1.80	18.80
KAR07			160	-4.82	90.6	2.82	0.00	21.10
KAR07			200	-8.96	91.9	4.06	0.00	22.80
KAR08	5 068	5 071						
KAR08			20	27.30	63.9	0.00	5.60	7.60
KAR08			25	24.40	67.8	0.10	5.40	8.30
KAR08			32	23.45	73.3	0.15	5.20	9.20
KAR08			40	20.84	76.9	0.25	5.00	10.30
KAR08			50	19.94	82.0	0.35	4.70	11.50
KAR08			63	15.14	83.3	0.56	4.30	13.00
KAR08			80	11.59	86.1	0.81	3.70	14.80
KAR08			100	9.73	90.8	1.27	3.00	16.80
KAR08			125	1.37	89.3	1.93	1.80	18.80
KAR08			160	-5.09	90.6	2.89	0.00	21.10
KAR08			200	-9.26	91.9	4.16	0.00	22.80
KAR09	5 962	5 966						
KAR09			20	25.89	63.9	0.00	5.60	7.60
KAR09			25	22.97	67.8	0.12	5.40	8.30
KAR09			32	22.01	73.3	0.18	5.20	9.20
KAR09			40	19.39	76.9	0.30	5.00	10.30
KAR09			50	18.47	82.0	0.42	4.70	11.50
KAR09			63	13.63	83.3	0.66	4.30	13.00
KAR09			80	10.03	86.1	0.95	3.70	14.80
KAR09			100	8.10	90.8	1.49	3.00	16.80
KAR09			125	-0.38	89.3	2.27	1.80	18.80
KAR09			160	-7.01	90.6	3.40	0.00	21.10
KAR09			200	-11.40	91.9	4.89	0.00	22.80
KAR10	5 689	5 692						
KAR10			20	26.29	63.9	0.00	5.60	7.60
KAR10			25	23.38	67.8	0.11	5.40	8.30
KAR10			32	22.42	73.3	0.17	5.20	9.20
KAR10			40	19.81	76.9	0.28	5.00	10.30
KAR10			50	18.90	82.0	0.40	4.70	11.50
KAR10			63	14.07	83.3	0.63	4.30	13.00
KAR10			80	10.48	86.1	0.91	3.70	14.80
KAR10			100	8.57	90.8	1.42	3.00	16.80
KAR10			125	0.13	89.3	2.16	1.80	18.80
KAR10			160	-6.45	90.6	3.24	0.00	21.10
KAR10			200	-10.77	91.9	4.67	0.00	22.80
KAR11	5 577	5 580						
KAR11			20	26.47	63.9	0.00	5.60	7.60
KAR11			25	23.56	67.8	0.11	5.40	8.30
KAR11			32	22.60	73.3	0.17	5.20	9.20
KAR11			40	19.99	76.9	0.28	5.00	10.30
KAR11			50	19.08	82.0	0.39	4.70	11.50
KAR11			63	14.25	83.3	0.61	4.30	13.00
KAR11			80	10.67	86.1	0.89	3.70	14.80
KAR11			100	8.77	90.8	1.39	3.00	16.80
KAR11			125	0.35	89.3	2.12	1.80	18.80
KAR11			160	-6.21	90.6	3.18	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			200	-10.51	91.9	4.58	0.00	22.80
KAR12	6 237	6 240						
KAR12			20	25.50	63.9	0.00	5.60	7.60
KAR12			25	22.57	67.8	0.12	5.40	8.30
KAR12			32	21.61	73.3	0.19	5.20	9.20
KAR12			40	18.98	76.9	0.31	5.00	10.30
KAR12			50	18.06	82.0	0.44	4.70	11.50
KAR12			63	13.21	83.3	0.69	4.30	13.00
KAR12			80	9.60	86.1	1.00	3.70	14.80
KAR12			100	7.64	90.8	1.56	3.00	16.80
KAR12			125	-0.87	89.3	2.37	1.80	18.80
KAR12			160	-7.56	90.6	3.56	0.00	21.10
KAR12			200	-12.02	91.9	5.12	0.00	22.80
KAR13	5 989	5 992						
KAR13			20	25.85	63.9	0.00	5.60	7.60
KAR13			25	22.93	67.8	0.12	5.40	8.30
KAR13			32	21.97	73.3	0.18	5.20	9.20
KAR13			40	19.35	76.9	0.30	5.00	10.30
KAR13			50	18.43	82.0	0.42	4.70	11.50
KAR13			63	13.59	83.3	0.66	4.30	13.00
KAR13			80	9.99	86.1	0.96	3.70	14.80
KAR13			100	8.05	90.8	1.50	3.00	16.80
KAR13			125	-0.43	89.3	2.28	1.80	18.80
KAR13			160	-7.07	90.6	3.42	0.00	21.10
KAR13			200	-11.46	91.9	4.91	0.00	22.80
KAR14	6 604	6 607						
KAR14			20	25.00	63.9	0.00	5.60	7.60
KAR14			25	22.07	67.8	0.13	5.40	8.30
KAR14			32	21.10	73.3	0.20	5.20	9.20
KAR14			40	18.47	76.9	0.33	5.00	10.30
KAR14			50	17.54	82.0	0.46	4.70	11.50
KAR14			63	12.67	83.3	0.73	4.30	13.00
KAR14			80	9.04	86.1	1.06	3.70	14.80
KAR14			100	7.05	90.8	1.65	3.00	16.80
KAR14			125	-1.51	89.3	2.51	1.80	18.80
KAR14			160	-8.27	90.6	3.77	0.00	21.10
KAR14			200	-12.82	91.9	5.42	0.00	22.80
KAR15	6 021	6 024						
KAR15			20	25.80	63.9	0.00	5.60	7.60
KAR15			25	22.88	67.8	0.12	5.40	8.30
KAR15			32	21.92	73.3	0.18	5.20	9.20
KAR15			40	19.30	76.9	0.30	5.00	10.30
KAR15			50	18.38	82.0	0.42	4.70	11.50
KAR15			63	13.54	83.3	0.66	4.30	13.00
KAR15			80	9.94	86.1	0.96	3.70	14.80
KAR15			100	8.00	90.8	1.51	3.00	16.80
KAR15			125	-0.49	89.3	2.29	1.80	18.80
KAR15			160	-7.13	90.6	3.43	0.00	21.10
KAR15			200	-11.54	91.9	4.94	0.00	22.80
KAR16	6 930	6 933						
KAR16			20	24.58	63.9	0.00	5.60	7.60
KAR16			25	21.64	67.8	0.14	5.40	8.30
KAR16			32	20.67	73.3	0.21	5.20	9.20
KAR16			40	18.04	76.9	0.35	5.00	10.30
KAR16			50	17.10	82.0	0.49	4.70	11.50
KAR16			63	12.22	83.3	0.76	4.30	13.00
KAR16			80	8.57	86.1	1.11	3.70	14.80
KAR16			100	6.55	90.8	1.73	3.00	16.80
KAR16			125	-2.05	89.3	2.63	1.80	18.80
KAR16			160	-8.87	90.6	3.95	0.00	21.10
KAR16			200	-13.50	91.9	5.68	0.00	22.80
KAR17	6 868	6 871						
KAR17			20	24.66	63.9	0.00	5.60	7.60
KAR17			25	21.72	67.8	0.14	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR17			32	20.75	73.3	0.21	5.20	9.20
KAR17			40	18.12	76.9	0.34	5.00	10.30
KAR17			50	17.18	82.0	0.48	4.70	11.50
KAR17			63	12.30	83.3	0.76	4.30	13.00
KAR17			80	8.66	86.1	1.10	3.70	14.80
KAR17			100	6.64	90.8	1.72	3.00	16.80
KAR17			125	-1.95	89.3	2.61	1.80	18.80
KAR17			160	-8.76	90.6	3.92	0.00	21.10
KAR17			200	-13.38	91.9	5.63	0.00	22.80
KAR18	7 340	7 342						
KAR18			20	24.08	63.9	0.00	5.60	7.60
KAR18			25	21.14	67.8	0.15	5.40	8.30
KAR18			32	20.16	73.3	0.22	5.20	9.20
KAR18			40	17.52	76.9	0.37	5.00	10.30
KAR18			50	16.57	82.0	0.51	4.70	11.50
KAR18			63	11.68	83.3	0.81	4.30	13.00
KAR18			80	8.01	86.1	1.17	3.70	14.80
KAR18			100	5.95	90.8	1.84	3.00	16.80
KAR18			125	-2.71	89.3	2.79	1.80	18.80
KAR18			160	-9.60	90.6	4.19	0.00	21.10
KAR18			200	-14.34	91.9	6.02	0.00	22.80
KAR19	6 783	6 786						
KAR19			20	24.77	63.9	0.00	5.60	7.60
KAR19			25	21.83	67.8	0.14	5.40	8.30
KAR19			32	20.86	73.3	0.20	5.20	9.20
KAR19			40	18.23	76.9	0.34	5.00	10.30
KAR19			50	17.29	82.0	0.48	4.70	11.50
KAR19			63	12.42	83.3	0.75	4.30	13.00
KAR19			80	8.78	86.1	1.09	3.70	14.80
KAR19			100	6.77	90.8	1.70	3.00	16.80
KAR19			125	-1.81	89.3	2.58	1.80	18.80
KAR19			160	-8.60	90.6	3.87	0.00	21.10
KAR19			200	-13.20	91.9	5.56	0.00	22.80
KAR20	7 482	7 484						
KAR20			20	23.92	63.9	0.00	5.60	7.60
KAR20			25	20.97	67.8	0.15	5.40	8.30
KAR20			32	19.99	73.3	0.22	5.20	9.20
KAR20			40	17.34	76.9	0.37	5.00	10.30
KAR20			50	16.39	82.0	0.52	4.70	11.50
KAR20			63	11.49	83.3	0.82	4.30	13.00
KAR20			80	7.82	86.1	1.20	3.70	14.80
KAR20			100	5.75	90.8	1.87	3.00	16.80
KAR20			125	-2.93	89.3	2.84	1.80	18.80
KAR20			160	-9.85	90.6	4.27	0.00	21.10
KAR20			200	-14.62	91.9	6.14	0.00	22.80
KAR21	7 324	7 327						
KAR21			20	24.10	63.9	0.00	5.60	7.60
KAR21			25	21.15	67.8	0.15	5.40	8.30
KAR21			32	20.18	73.3	0.22	5.20	9.20
KAR21			40	17.54	76.9	0.37	5.00	10.30
KAR21			50	16.59	82.0	0.51	4.70	11.50
KAR21			63	11.70	83.3	0.81	4.30	13.00
KAR21			80	8.03	86.1	1.17	3.70	14.80
KAR21			100	5.97	90.8	1.83	3.00	16.80
KAR21			125	-2.68	89.3	2.78	1.80	18.80
KAR21			160	-9.57	90.6	4.18	0.00	21.10
KAR21			200	-14.31	91.9	6.01	0.00	22.80
KAR22	7 419	7 421						
KAR22			20	23.99	63.9	0.00	5.60	7.60
KAR22			25	21.04	67.8	0.15	5.40	8.30
KAR22			32	20.07	73.3	0.22	5.20	9.20
KAR22			40	17.42	76.9	0.37	5.00	10.30
KAR22			50	16.47	82.0	0.52	4.70	11.50
KAR22			63	11.57	83.3	0.82	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			80	7.90	86.1	1.19	3.70	14.80
KAR22			100	5.84	90.8	1.86	3.00	16.80
KAR22			125	-2.83	89.3	2.82	1.80	18.80
KAR22			160	-9.74	90.6	4.23	0.00	21.10
KAR22			200	-14.49	91.9	6.09	0.00	22.80
KAR23	7 966	7 968						
KAR23			20	23.37	63.9	0.00	5.60	7.60
KAR23			25	20.41	67.8	0.16	5.40	8.30
KAR23			32	19.43	73.3	0.24	5.20	9.20
KAR23			40	16.77	76.9	0.40	5.00	10.30
KAR23			50	15.81	82.0	0.56	4.70	11.50
KAR23			63	10.90	83.3	0.88	4.30	13.00
KAR23			80	7.20	86.1	1.27	3.70	14.80
KAR23			100	5.08	90.8	1.99	3.00	16.80
KAR23			125	-3.66	89.3	3.03	1.80	18.80
KAR23			160	-10.67	90.6	4.54	0.00	21.10
KAR23			200	-15.56	91.9	6.53	0.00	22.80
KAR24	4 369	4 373						
KAR24			20	28.58	63.9	0.00	5.60	7.60
KAR24			25	25.70	67.8	0.09	5.40	8.30
KAR24			32	24.75	73.3	0.13	5.20	9.20
KAR24			40	22.17	76.9	0.22	5.00	10.30
KAR24			50	21.28	82.0	0.31	4.70	11.50
KAR24			63	16.50	83.3	0.48	4.30	13.00
KAR24			80	12.98	86.1	0.70	3.70	14.80
KAR24			100	11.19	90.8	1.09	3.00	16.80
KAR24			125	2.92	89.3	1.66	1.80	18.80
KAR24			160	-3.41	90.6	2.49	0.00	21.10
KAR24			200	-7.40	91.9	3.59	0.00	22.80
KAR25	3 668	3 672						
KAR25			20	30.10	63.9	0.00	5.60	7.60
KAR25			25	27.23	67.8	0.07	5.40	8.30
KAR25			32	26.29	73.3	0.11	5.20	9.20
KAR25			40	23.72	76.9	0.18	5.00	10.30
KAR25			50	22.84	82.0	0.26	4.70	11.50
KAR25			63	18.10	83.3	0.40	4.30	13.00
KAR25			80	14.61	86.1	0.59	3.70	14.80
KAR25			100	12.88	90.8	0.92	3.00	16.80
KAR25			125	4.71	89.3	1.40	1.80	18.80
KAR25			160	-1.49	90.6	2.09	0.00	21.10
KAR25			200	-5.31	91.9	3.01	0.00	22.80
MAA01	1 468	1 474						
MAA01			20	38.03	63.9	0.00	5.60	7.60
MAA01			25	35.20	67.8	0.03	5.40	8.30
MAA01			32	34.28	73.3	0.04	5.20	9.20
MAA01			40	31.75	76.9	0.07	5.00	10.30
MAA01			50	30.92	82.0	0.10	4.70	11.50
MAA01			63	26.26	83.3	0.16	4.30	13.00
MAA01			80	22.89	86.1	0.24	3.70	14.80
MAA01			100	21.36	90.8	0.37	3.00	16.80
MAA01			125	13.47	89.3	0.56	1.80	18.80
MAA01			160	7.69	90.6	0.84	0.00	21.10
MAA01			200	4.42	91.9	1.21	0.00	22.80
MAA03	2 002	2 007						
MAA03			20	35.35	63.9	0.00	5.60	7.60
MAA03			25	32.51	67.8	0.04	5.40	8.30
MAA03			32	31.59	73.3	0.06	5.20	9.20
MAA03			40	29.05	76.9	0.10	5.00	10.30
MAA03			50	28.21	82.0	0.14	4.70	11.50
MAA03			63	23.53	83.3	0.22	4.30	13.00
MAA03			80	20.13	86.1	0.32	3.70	14.80
MAA03			100	18.55	90.8	0.50	3.00	16.80
MAA03			125	10.58	89.3	0.76	1.80	18.80
MAA03			160	4.70	90.6	1.14	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			200	1.30	91.9	1.65	0.00	22.80
MAA04	2 103	2 108						
MAA04			20	34.92	63.9	0.00	5.60	7.60
MAA04			25	32.08	67.8	0.04	5.40	8.30
MAA04			32	31.16	73.3	0.06	5.20	9.20
MAA04			40	28.62	76.9	0.11	5.00	10.30
MAA04			50	27.77	82.0	0.15	4.70	11.50
MAA04			63	23.09	83.3	0.23	4.30	13.00
MAA04			80	19.68	86.1	0.34	3.70	14.80
MAA04			100	18.09	90.8	0.53	3.00	16.80
MAA04			125	10.12	89.3	0.80	1.80	18.80
MAA04			160	4.22	90.6	1.20	0.00	21.10
MAA04			200	0.79	91.9	1.73	0.00	22.80
MAA05	2 562	2 565						
MAA05			20	33.22	63.9	0.00	5.60	7.60
MAA05			25	30.37	67.8	0.05	5.40	8.30
MAA05			32	29.44	73.3	0.08	5.20	9.20
MAA05			40	26.89	76.9	0.13	5.00	10.30
MAA05			50	26.04	82.0	0.18	4.70	11.50
MAA05			63	21.33	83.3	0.28	4.30	13.00
MAA05			80	17.91	86.1	0.41	3.70	14.80
MAA05			100	16.28	90.8	0.64	3.00	16.80
MAA05			125	8.24	89.3	0.97	1.80	18.80
MAA05			160	2.25	90.6	1.46	0.00	21.10
MAA05			200	-1.29	91.9	2.10	0.00	22.80
MAA06	3 484	3 487						
MAA06			20	30.55	63.9	0.00	5.60	7.60
MAA06			25	27.68	67.8	0.07	5.40	8.30
MAA06			32	26.75	73.3	0.10	5.20	9.20
MAA06			40	24.18	76.9	0.17	5.00	10.30
MAA06			50	23.31	82.0	0.24	4.70	11.50
MAA06			63	18.57	83.3	0.38	4.30	13.00
MAA06			80	15.09	86.1	0.56	3.70	14.80
MAA06			100	13.38	90.8	0.87	3.00	16.80
MAA06			125	5.23	89.3	1.32	1.80	18.80
MAA06			160	-0.94	90.6	1.99	0.00	21.10
MAA06			200	-4.71	91.9	2.86	0.00	22.80
MAA07	3 858	3 861						
MAA07			20	29.67	63.9	0.00	5.60	7.60
MAA07			25	26.79	67.8	0.08	5.40	8.30
MAA07			32	25.85	73.3	0.12	5.20	9.20
MAA07			40	23.27	76.9	0.19	5.00	10.30
MAA07			50	22.40	82.0	0.27	4.70	11.50
MAA07			63	17.64	83.3	0.42	4.30	13.00
MAA07			80	14.15	86.1	0.62	3.70	14.80
MAA07			100	12.40	90.8	0.97	3.00	16.80
MAA07			125	4.20	89.3	1.47	1.80	18.80
MAA07			160	-2.04	90.6	2.20	0.00	21.10
MAA07			200	-5.90	91.9	3.17	0.00	22.80
MAA08	4 142	4 144						
MAA08			20	29.05	63.9	0.00	5.60	7.60
MAA08			25	26.17	67.8	0.08	5.40	8.30
MAA08			32	25.23	73.3	0.12	5.20	9.20
MAA08			40	22.64	76.9	0.21	5.00	10.30
MAA08			50	21.76	82.0	0.29	4.70	11.50
MAA08			63	17.00	83.3	0.46	4.30	13.00
MAA08			80	13.49	86.1	0.66	3.70	14.80
MAA08			100	11.72	90.8	1.04	3.00	16.80
MAA08			125	3.48	89.3	1.57	1.80	18.80
MAA08			160	-2.81	90.6	2.36	0.00	21.10
MAA08			200	-6.75	91.9	3.40	0.00	22.80
RAH01	2 903	2 907						
RAH01			20	30.28	62.0	0.00	5.60	7.60
RAH01			25	28.72	67.2	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH01			32	27.09	72.0	0.09	5.20	9.20
RAH01			40	25.71	76.8	0.15	5.00	10.30
RAH01			50	24.15	81.2	0.20	4.70	11.50
RAH01			63	21.93	85.0	0.32	4.30	13.00
RAH01			80	18.99	88.3	0.47	3.70	14.80
RAH01			100	15.40	91.1	0.73	3.00	16.80
RAH01			125	11.03	93.3	1.10	1.80	18.80
RAH01			160	5.35	95.0	1.66	0.00	21.10
RAH01			200	1.55	96.1	2.38	0.00	22.80
RAH02	3 073	3 077						
RAH02			20	29.78	62.0	0.00	5.60	7.60
RAH02			25	28.22	67.2	0.06	5.40	8.30
RAH02			32	26.59	72.0	0.09	5.20	9.20
RAH02			40	25.21	76.8	0.15	5.00	10.30
RAH02			50	23.65	81.2	0.22	4.70	11.50
RAH02			63	21.42	85.0	0.34	4.30	13.00
RAH02			80	18.47	88.3	0.49	3.70	14.80
RAH02			100	14.87	91.1	0.77	3.00	16.80
RAH02			125	10.47	93.3	1.17	1.80	18.80
RAH02			160	4.76	95.0	1.75	0.00	21.10
RAH02			200	0.91	96.1	2.52	0.00	22.80
RAH03	2 336	2 341						
RAH03			20	32.16	62.0	0.00	5.60	7.60
RAH03			25	30.61	67.2	0.05	5.40	8.30
RAH03			32	28.99	72.0	0.07	5.20	9.20
RAH03			40	27.62	76.8	0.12	5.00	10.30
RAH03			50	26.07	81.2	0.16	4.70	11.50
RAH03			63	23.88	85.0	0.26	4.30	13.00
RAH03			80	20.96	88.3	0.37	3.70	14.80
RAH03			100	17.43	91.1	0.59	3.00	16.80
RAH03			125	13.12	93.3	0.89	1.80	18.80
RAH03			160	7.55	95.0	1.33	0.00	21.10
RAH03			200	3.89	96.1	1.92	0.00	22.80
RAH04	3 240	3 244						
RAH04			20	29.33	62.0	0.00	5.60	7.60
RAH04			25	27.76	67.2	0.06	5.40	8.30
RAH04			32	26.13	72.0	0.10	5.20	9.20
RAH04			40	24.74	76.8	0.16	5.00	10.30
RAH04			50	23.18	81.2	0.23	4.70	11.50
RAH04			63	20.95	85.0	0.36	4.30	13.00
RAH04			80	17.98	88.3	0.52	3.70	14.80
RAH04			100	14.37	91.1	0.81	3.00	16.80
RAH04			125	9.95	93.3	1.23	1.80	18.80
RAH04			160	4.21	95.0	1.85	0.00	21.10
RAH04			200	0.32	96.1	2.66	0.00	22.80
RAH05	2 454	2 459						
RAH05			20	31.73	62.0	0.00	5.60	7.60
RAH05			25	30.18	67.2	0.05	5.40	8.30
RAH05			32	28.56	72.0	0.07	5.20	9.20
RAH05			40	27.19	76.8	0.12	5.00	10.30
RAH05			50	25.64	81.2	0.17	4.70	11.50
RAH05			63	23.44	85.0	0.27	4.30	13.00
RAH05			80	20.52	88.3	0.39	3.70	14.80
RAH05			100	16.97	91.1	0.61	3.00	16.80
RAH05			125	12.65	93.3	0.93	1.80	18.80
RAH05			160	7.06	95.0	1.40	0.00	21.10
RAH05			200	3.37	96.1	2.02	0.00	22.80
RAH06	2 926	2 930						
RAH06			20	30.21	62.0	0.00	5.60	7.60
RAH06			25	28.65	67.2	0.06	5.40	8.30
RAH06			32	27.02	72.0	0.09	5.20	9.20
RAH06			40	25.64	76.8	0.15	5.00	10.30
RAH06			50	24.08	81.2	0.21	4.70	11.50
RAH06			63	21.86	85.0	0.32	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			80	18.92	88.3	0.47	3.70	14.80
RAH06			100	15.33	91.1	0.73	3.00	16.80
RAH06			125	10.95	93.3	1.11	1.80	18.80
RAH06			160	5.27	95.0	1.67	0.00	21.10
RAH06			200	1.46	96.1	2.40	0.00	22.80
RAH07	4 606	4 609						
RAH07			20	26.28	62.0	0.00	5.60	7.60
RAH07			25	24.68	67.2	0.09	5.40	8.30
RAH07			32	23.04	72.0	0.14	5.20	9.20
RAH07			40	21.62	76.8	0.23	5.00	10.30
RAH07			50	20.03	81.2	0.32	4.70	11.50
RAH07			63	17.74	85.0	0.51	4.30	13.00
RAH07			80	14.71	88.3	0.74	3.70	14.80
RAH07			100	10.98	91.1	1.15	3.00	16.80
RAH07			125	6.38	93.3	1.75	1.80	18.80
RAH07			160	0.38	95.0	2.63	0.00	21.10
RAH07			200	-3.85	96.1	3.78	0.00	22.80
RAH08	4 579	4 581						
RAH08			20	26.33	62.0	0.00	5.60	7.60
RAH08			25	24.74	67.2	0.09	5.40	8.30
RAH08			32	23.09	72.0	0.14	5.20	9.20
RAH08			40	21.68	76.8	0.23	5.00	10.30
RAH08			50	20.08	81.2	0.32	4.70	11.50
RAH08			63	17.80	85.0	0.50	4.30	13.00
RAH08			80	14.77	88.3	0.73	3.70	14.80
RAH08			100	11.04	91.1	1.15	3.00	16.80
RAH08			125	6.44	93.3	1.74	1.80	18.80
RAH08			160	0.45	95.0	2.61	0.00	21.10
RAH08			200	-3.78	96.1	3.76	0.00	22.80
RAH09	3 836	3 839						
RAH09			20	27.86	62.0	0.00	5.60	7.60
RAH09			25	26.29	67.2	0.08	5.40	8.30
RAH09			32	24.65	72.0	0.12	5.20	9.20
RAH09			40	23.25	76.8	0.19	5.00	10.30
RAH09			50	21.67	81.2	0.27	4.70	11.50
RAH09			63	19.42	85.0	0.42	4.30	13.00
RAH09			80	16.43	88.3	0.61	3.70	14.80
RAH09			100	12.76	91.1	0.96	3.00	16.80
RAH09			125	8.26	93.3	1.46	1.80	18.80
RAH09			160	2.40	95.0	2.19	0.00	21.10
RAH09			200	-1.63	96.1	3.15	0.00	22.80
RAH10	4 079	4 082						
RAH10			20	27.33	62.0	0.00	5.60	7.60
RAH10			25	25.75	67.2	0.08	5.40	8.30
RAH10			32	24.11	72.0	0.12	5.20	9.20
RAH10			40	22.70	76.8	0.20	5.00	10.30
RAH10			50	21.12	81.2	0.29	4.70	11.50
RAH10			63	18.86	85.0	0.45	4.30	13.00
RAH10			80	15.85	88.3	0.65	3.70	14.80
RAH10			100	12.16	91.1	1.02	3.00	16.80
RAH10			125	7.63	93.3	1.55	1.80	18.80
RAH10			160	1.73	95.0	2.33	0.00	21.10
RAH10			200	-2.36	96.1	3.35	0.00	22.80
RAH11	2 441	2 446						
RAH11			20	31.78	62.0	0.00	5.60	7.60
RAH11			25	30.23	67.2	0.05	5.40	8.30
RAH11			32	28.61	72.0	0.07	5.20	9.20
RAH11			40	27.23	76.8	0.12	5.00	10.30
RAH11			50	25.68	81.2	0.17	4.70	11.50
RAH11			63	23.49	85.0	0.27	4.30	13.00
RAH11			80	20.56	88.3	0.39	3.70	14.80
RAH11			100	17.02	91.1	0.61	3.00	16.80
RAH11			125	12.70	93.3	0.93	1.80	18.80
RAH11			160	7.11	95.0	1.39	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			200	3.42	96.1	2.01	0.00	22.80
RAH12	3 150	3 154						
RAH12			20	29.57	62.0	0.00	5.60	7.60
RAH12			25	28.01	67.2	0.06	5.40	8.30
RAH12			32	26.38	72.0	0.09	5.20	9.20
RAH12			40	24.99	76.8	0.16	5.00	10.30
RAH12			50	23.43	81.2	0.22	4.70	11.50
RAH12			63	21.20	85.0	0.35	4.30	13.00
RAH12			80	18.24	88.3	0.50	3.70	14.80
RAH12			100	14.63	91.1	0.79	3.00	16.80
RAH12			125	10.22	93.3	1.20	1.80	18.80
RAH12			160	4.50	95.0	1.80	0.00	21.10
RAH12			200	0.64	96.1	2.59	0.00	22.80
RAH13	3 014	3 018						
RAH13			20	29.95	62.0	0.00	5.60	7.60
RAH13			25	28.39	67.2	0.06	5.40	8.30
RAH13			32	26.76	72.0	0.09	5.20	9.20
RAH13			40	25.38	76.8	0.15	5.00	10.30
RAH13			50	23.82	81.2	0.21	4.70	11.50
RAH13			63	21.60	85.0	0.33	4.30	13.00
RAH13			80	18.65	88.3	0.48	3.70	14.80
RAH13			100	15.05	91.1	0.75	3.00	16.80
RAH13			125	10.66	93.3	1.15	1.80	18.80
RAH13			160	4.96	95.0	1.72	0.00	21.10
RAH13			200	1.13	96.1	2.47	0.00	22.80
RAH14	2 363	2 368						
RAH14			20	32.06	62.0	0.00	5.60	7.60
RAH14			25	30.51	67.2	0.05	5.40	8.30
RAH14			32	28.89	72.0	0.07	5.20	9.20
RAH14			40	27.52	76.8	0.12	5.00	10.30
RAH14			50	25.97	81.2	0.17	4.70	11.50
RAH14			63	23.78	85.0	0.26	4.30	13.00
RAH14			80	20.86	88.3	0.38	3.70	14.80
RAH14			100	17.32	91.1	0.59	3.00	16.80
RAH14			125	13.01	93.3	0.90	1.80	18.80
RAH14			160	7.44	95.0	1.35	0.00	21.10
RAH14			200	3.77	96.1	1.94	0.00	22.80
RAH15	3 236	3 240						
RAH15			20	29.34	62.0	0.00	5.60	7.60
RAH15			25	27.77	67.2	0.06	5.40	8.30
RAH15			32	26.14	72.0	0.10	5.20	9.20
RAH15			40	24.75	76.8	0.16	5.00	10.30
RAH15			50	23.19	81.2	0.23	4.70	11.50
RAH15			63	20.96	85.0	0.36	4.30	13.00
RAH15			80	17.99	88.3	0.52	3.70	14.80
RAH15			100	14.38	91.1	0.81	3.00	16.80
RAH15			125	9.96	93.3	1.23	1.80	18.80
RAH15			160	4.22	95.0	1.85	0.00	21.10
RAH15			200	0.33	96.1	2.66	0.00	22.80
RAH16	3 828	3 831						
RAH16			20	27.88	62.0	0.00	5.60	7.60
RAH16			25	26.31	67.2	0.08	5.40	8.30
RAH16			32	24.67	72.0	0.11	5.20	9.20
RAH16			40	23.27	76.8	0.19	5.00	10.30
RAH16			50	21.69	81.2	0.27	4.70	11.50
RAH16			63	19.44	85.0	0.42	4.30	13.00
RAH16			80	16.44	88.3	0.61	3.70	14.80
RAH16			100	12.78	91.1	0.96	3.00	16.80
RAH16			125	8.28	93.3	1.46	1.80	18.80
RAH16			160	2.43	95.0	2.18	0.00	21.10
RAH16			200	-1.61	96.1	3.14	0.00	22.80
RAH17	2 432	2 438						
RAH17			20	31.81	62.0	0.00	5.60	7.60
RAH17			25	30.26	67.2	0.05	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH17			32	28.63	72.0	0.07	5.20	9.20
RAH17			40	27.26	76.8	0.12	5.00	10.30
RAH17			50	25.71	81.2	0.17	4.70	11.50
RAH17			63	23.52	85.0	0.27	4.30	13.00
RAH17			80	20.59	88.3	0.39	3.70	14.80
RAH17			100	17.05	91.1	0.61	3.00	16.80
RAH17			125	12.73	93.3	0.93	1.80	18.80
RAH17			160	7.15	95.0	1.39	0.00	21.10
RAH17			200	3.46	96.1	2.00	0.00	22.80
RAH18	2 981	2 986						
RAH18			20	30.05	62.0	0.00	5.60	7.60
RAH18			25	28.49	67.2	0.06	5.40	8.30
RAH18			32	26.86	72.0	0.09	5.20	9.20
RAH18			40	25.47	76.8	0.15	5.00	10.30
RAH18			50	23.91	81.2	0.21	4.70	11.50
RAH18			63	21.69	85.0	0.33	4.30	13.00
RAH18			80	18.74	88.3	0.48	3.70	14.80
RAH18			100	15.15	91.1	0.75	3.00	16.80
RAH18			125	10.76	93.3	1.13	1.80	18.80
RAH18			160	5.07	95.0	1.70	0.00	21.10
RAH18			200	1.25	96.1	2.45	0.00	22.80
RAH19	3 156	3 161						
RAH19			20	29.55	62.0	0.00	5.60	7.60
RAH19			25	27.99	67.2	0.06	5.40	8.30
RAH19			32	26.36	72.0	0.09	5.20	9.20
RAH19			40	24.97	76.8	0.16	5.00	10.30
RAH19			50	23.41	81.2	0.22	4.70	11.50
RAH19			63	21.18	85.0	0.35	4.30	13.00
RAH19			80	18.22	88.3	0.51	3.70	14.80
RAH19			100	14.61	91.1	0.79	3.00	16.80
RAH19			125	10.20	93.3	1.20	1.80	18.80
RAH19			160	4.48	95.0	1.80	0.00	21.10
RAH19			200	0.61	96.1	2.59	0.00	22.80
SIL01	9 023	9 025						
SIL01			20	21.71	63.3	0.00	5.60	7.60
SIL01			25	19.93	68.4	0.18	5.40	8.30
SIL01			32	13.95	68.9	0.27	5.20	9.20
SIL01			40	10.86	72.1	0.45	5.00	10.30
SIL01			50	9.48	76.8	0.63	4.70	11.50
SIL01			63	6.20	79.8	0.99	4.30	13.00
SIL01			80	2.46	82.6	1.44	3.70	14.80
SIL01			100	-1.04	86.0	2.26	3.00	16.80
SIL01			125	-5.15	89.3	3.43	1.80	18.80
SIL01			160	-14.77	88.2	5.14	0.00	21.10
SIL01			200	-19.42	90.0	7.40	0.00	22.80
SIL02	8 561	8 563						
SIL02			20	22.17	63.3	0.00	5.60	7.60
SIL02			25	20.39	68.4	0.17	5.40	8.30
SIL02			32	14.42	68.9	0.26	5.20	9.20
SIL02			40	11.34	72.1	0.43	5.00	10.30
SIL02			50	9.97	76.8	0.60	4.70	11.50
SIL02			63	6.71	79.8	0.94	4.30	13.00
SIL02			80	2.99	82.6	1.37	3.70	14.80
SIL02			100	-0.46	86.0	2.14	3.00	16.80
SIL02			125	-4.52	89.3	3.25	1.80	18.80
SIL02			160	-14.05	88.2	4.88	0.00	21.10
SIL02			200	-18.59	90.0	7.02	0.00	22.80
SIL03	7 962	7 964						
SIL03			20	22.80	63.3	0.00	5.60	7.60
SIL03			25	21.04	68.4	0.16	5.40	8.30
SIL03			32	15.07	68.9	0.24	5.20	9.20
SIL03			40	12.00	72.1	0.40	5.00	10.30
SIL03			50	10.64	76.8	0.56	4.70	11.50
SIL03			63	7.41	79.8	0.88	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			80	3.71	82.6	1.27	3.70	14.80
SIL03			100	0.32	86.0	1.99	3.00	16.80
SIL03			125	-3.66	89.3	3.03	1.80	18.80
SIL03			160	-13.08	88.2	4.54	0.00	21.10
SIL03			200	-17.46	90.0	6.53	0.00	22.80
SIL04	7 921	7 923						
SIL04			20	22.85	63.3	0.00	5.60	7.60
SIL04			25	21.08	68.4	0.16	5.40	8.30
SIL04			32	15.11	68.9	0.24	5.20	9.20
SIL04			40	12.05	72.1	0.40	5.00	10.30
SIL04			50	10.69	76.8	0.55	4.70	11.50
SIL04			63	7.46	79.8	0.87	4.30	13.00
SIL04			80	3.77	82.6	1.27	3.70	14.80
SIL04			100	0.37	86.0	1.98	3.00	16.80
SIL04			125	-3.60	89.3	3.01	1.80	18.80
SIL04			160	-13.01	88.2	4.52	0.00	21.10
SIL04			200	-17.39	90.0	6.50	0.00	22.80
SIL05	8 737	8 738						
SIL05			20	21.99	63.3	0.00	5.60	7.60
SIL05			25	20.21	68.4	0.17	5.40	8.30
SIL05			32	14.24	68.9	0.26	5.20	9.20
SIL05			40	11.16	72.1	0.44	5.00	10.30
SIL05			50	9.78	76.8	0.61	4.70	11.50
SIL05			63	6.52	79.8	0.96	4.30	13.00
SIL05			80	2.79	82.6	1.40	3.70	14.80
SIL05			100	-0.68	86.0	2.18	3.00	16.80
SIL05			125	-4.76	89.3	3.32	1.80	18.80
SIL05			160	-14.33	88.2	4.98	0.00	21.10
SIL05			200	-18.91	90.0	7.17	0.00	22.80
SIL06	8 387	8 389						
SIL06			20	22.35	63.3	0.00	5.60	7.60
SIL06			25	20.58	68.4	0.17	5.40	8.30
SIL06			32	14.60	68.9	0.25	5.20	9.20
SIL06			40	11.53	72.1	0.42	5.00	10.30
SIL06			50	10.16	76.8	0.59	4.70	11.50
SIL06			63	6.91	79.8	0.92	4.30	13.00
SIL06			80	3.20	82.6	1.34	3.70	14.80
SIL06			100	-0.24	86.0	2.10	3.00	16.80
SIL06			125	-4.27	89.3	3.19	1.80	18.80
SIL06			160	-13.77	88.2	4.78	0.00	21.10
SIL06			200	-18.26	90.0	6.88	0.00	22.80
SIL07	7 817	7 819						
SIL07			20	22.96	63.3	0.00	5.60	7.60
SIL07			25	21.20	68.4	0.16	5.40	8.30
SIL07			32	15.23	68.9	0.23	5.20	9.20
SIL07			40	12.17	72.1	0.39	5.00	10.30
SIL07			50	10.81	76.8	0.55	4.70	11.50
SIL07			63	7.58	79.8	0.86	4.30	13.00
SIL07			80	3.90	82.6	1.25	3.70	14.80
SIL07			100	0.51	86.0	1.95	3.00	16.80
SIL07			125	-3.45	89.3	2.97	1.80	18.80
SIL07			160	-12.84	88.2	4.46	0.00	21.10
SIL07			200	-17.19	90.0	6.41	0.00	22.80
SIL08	8 142	8 143						
SIL08			20	22.61	63.3	0.00	5.60	7.60
SIL08			25	20.84	68.4	0.16	5.40	8.30
SIL08			32	14.87	68.9	0.24	5.20	9.20
SIL08			40	11.80	72.1	0.41	5.00	10.30
SIL08			50	10.44	76.8	0.57	4.70	11.50
SIL08			63	7.19	79.8	0.90	4.30	13.00
SIL08			80	3.49	82.6	1.30	3.70	14.80
SIL08			100	0.08	86.0	2.04	3.00	16.80
SIL08			125	-3.92	89.3	3.09	1.80	18.80
SIL08			160	-13.38	88.2	4.64	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			200	-17.81	90.0	6.68	0.00	22.80
Sum								
Sum			20	46.97				
Sum			25	44.68				
Sum			32	43.34				
Sum			40	41.31				
Sum			50	40.11				
Sum			63	36.70				
Sum			80	33.55				
Sum			100	30.77				
Sum			125	24.99				
Sum			160	19.18				
Sum			200	15.42				

Noise sensitive area: S Noise sensitive point: Finnish normal frequency - User defined (49)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 992	3 996						
KAR01			20	29.37	63.9	0.00	5.60	7.60
KAR01			25	26.49	67.8	0.08	5.40	8.30
KAR01			32	25.55	73.3	0.12	5.20	9.20
KAR01			40	22.97	76.9	0.20	5.00	10.30
KAR01			50	22.09	82.0	0.28	4.70	11.50
KAR01			63	17.33	83.3	0.44	4.30	13.00
KAR01			80	13.83	86.1	0.64	3.70	14.80
KAR01			100	12.07	90.8	1.00	3.00	16.80
KAR01			125	3.85	89.3	1.52	1.80	18.80
KAR01			160	-2.41	90.6	2.28	0.00	21.10
KAR01			200	-6.31	91.9	3.28	0.00	22.80
KAR02	4 050	4 054						
KAR02			20	29.24	63.9	0.00	5.60	7.60
KAR02			25	26.36	67.8	0.08	5.40	8.30
KAR02			32	25.42	73.3	0.12	5.20	9.20
KAR02			40	22.84	76.9	0.20	5.00	10.30
KAR02			50	21.96	82.0	0.28	4.70	11.50
KAR02			63	17.20	83.3	0.45	4.30	13.00
KAR02			80	13.69	86.1	0.65	3.70	14.80
KAR02			100	11.93	90.8	1.01	3.00	16.80
KAR02			125	3.70	89.3	1.54	1.80	18.80
KAR02			160	-2.57	90.6	2.31	0.00	21.10
KAR02			200	-6.48	91.9	3.32	0.00	22.80
KAR03	4 326	4 330						
KAR03			20	28.67	63.9	0.00	5.60	7.60
KAR03			25	25.78	67.8	0.09	5.40	8.30
KAR03			32	24.84	73.3	0.13	5.20	9.20
KAR03			40	22.25	76.9	0.22	5.00	10.30
KAR03			50	21.37	82.0	0.30	4.70	11.50
KAR03			63	16.59	83.3	0.48	4.30	13.00
KAR03			80	13.08	86.1	0.69	3.70	14.80
KAR03			100	11.29	90.8	1.08	3.00	16.80
KAR03			125	3.02	89.3	1.65	1.80	18.80
KAR03			160	-3.30	90.6	2.47	0.00	21.10
KAR03			200	-7.28	91.9	3.55	0.00	22.80
KAR04	4 819	4 823						
KAR04			20	27.73	63.9	0.00	5.60	7.60
KAR04			25	24.84	67.8	0.10	5.40	8.30
KAR04			32	23.89	73.3	0.14	5.20	9.20
KAR04			40	21.29	76.9	0.24	5.00	10.30
KAR04			50	20.40	82.0	0.34	4.70	11.50
KAR04			63	15.60	83.3	0.53	4.30	13.00
KAR04			80	12.06	86.1	0.77	3.70	14.80
KAR04			100	10.23	90.8	1.21	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			125	1.90	89.3	1.83	1.80	18.80
KAR04			160	-4.52	90.6	2.75	0.00	21.10
KAR04			200	-8.62	91.9	3.95	0.00	22.80
KAR05	5 318	5 322						
KAR05			20	26.88	63.9	0.00	5.60	7.60
KAR05			25	23.97	67.8	0.11	5.40	8.30
KAR05			32	23.02	73.3	0.16	5.20	9.20
KAR05			40	20.41	76.9	0.27	5.00	10.30
KAR05			50	19.51	82.0	0.37	4.70	11.50
KAR05			63	14.69	83.3	0.59	4.30	13.00
KAR05			80	11.13	86.1	0.85	3.70	14.80
KAR05			100	9.25	90.8	1.33	3.00	16.80
KAR05			125	0.86	89.3	2.02	1.80	18.80
KAR05			160	-5.66	90.6	3.03	0.00	21.10
KAR05			200	-9.89	91.9	4.36	0.00	22.80
KAR06	4 926	4 930						
KAR06			20	27.54	63.9	0.00	5.60	7.60
KAR06			25	24.64	67.8	0.10	5.40	8.30
KAR06			32	23.70	73.3	0.15	5.20	9.20
KAR06			40	21.10	76.9	0.25	5.00	10.30
KAR06			50	20.20	82.0	0.35	4.70	11.50
KAR06			63	15.40	83.3	0.54	4.30	13.00
KAR06			80	11.85	86.1	0.79	3.70	14.80
KAR06			100	10.01	90.8	1.23	3.00	16.80
KAR06			125	1.67	89.3	1.87	1.80	18.80
KAR06			160	-4.77	90.6	2.81	0.00	21.10
KAR06			200	-8.90	91.9	4.04	0.00	22.80
KAR07	4 892	4 896						
KAR07			20	27.60	63.9	0.00	5.60	7.60
KAR07			25	24.71	67.8	0.10	5.40	8.30
KAR07			32	23.76	73.3	0.15	5.20	9.20
KAR07			40	21.16	76.9	0.24	5.00	10.30
KAR07			50	20.26	82.0	0.34	4.70	11.50
KAR07			63	15.46	83.3	0.54	4.30	13.00
KAR07			80	11.92	86.1	0.78	3.70	14.80
KAR07			100	10.08	90.8	1.22	3.00	16.80
KAR07			125	1.74	89.3	1.86	1.80	18.80
KAR07			160	-4.69	90.6	2.79	0.00	21.10
KAR07			200	-8.81	91.9	4.01	0.00	22.80
KAR08	5 045	5 048						
KAR08			20	27.34	63.9	0.00	5.60	7.60
KAR08			25	24.44	67.8	0.10	5.40	8.30
KAR08			32	23.49	73.3	0.15	5.20	9.20
KAR08			40	20.88	76.9	0.25	5.00	10.30
KAR08			50	19.98	82.0	0.35	4.70	11.50
KAR08			63	15.18	83.3	0.56	4.30	13.00
KAR08			80	11.63	86.1	0.81	3.70	14.80
KAR08			100	9.77	90.8	1.26	3.00	16.80
KAR08			125	1.42	89.3	1.92	1.80	18.80
KAR08			160	-5.04	90.6	2.88	0.00	21.10
KAR08			200	-9.20	91.9	4.14	0.00	22.80
KAR09	5 834	5 838						
KAR09			20	26.08	63.9	0.00	5.60	7.60
KAR09			25	23.16	67.8	0.12	5.40	8.30
KAR09			32	22.20	73.3	0.18	5.20	9.20
KAR09			40	19.58	76.9	0.29	5.00	10.30
KAR09			50	18.67	82.0	0.41	4.70	11.50
KAR09			63	13.83	83.3	0.64	4.30	13.00
KAR09			80	10.24	86.1	0.93	3.70	14.80
KAR09			100	8.32	90.8	1.46	3.00	16.80
KAR09			125	-0.14	89.3	2.22	1.80	18.80
KAR09			160	-6.75	90.6	3.33	0.00	21.10
KAR09			200	-11.11	91.9	4.79	0.00	22.80
KAR10	5 580	5 583						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR10			20	26.46	63.9	0.00	5.60	7.60
KAR10			25	23.55	67.8	0.11	5.40	8.30
KAR10			32	22.59	73.3	0.17	5.20	9.20
KAR10			40	19.98	76.9	0.28	5.00	10.30
KAR10			50	19.07	82.0	0.39	4.70	11.50
KAR10			63	14.25	83.3	0.61	4.30	13.00
KAR10			80	10.67	86.1	0.89	3.70	14.80
KAR10			100	8.77	90.8	1.40	3.00	16.80
KAR10			125	0.34	89.3	2.12	1.80	18.80
KAR10			160	-6.22	90.6	3.18	0.00	21.10
KAR10			200	-10.52	91.9	4.58	0.00	22.80
KAR11	5 506	5 510						
KAR11			20	26.58	63.9	0.00	5.60	7.60
KAR11			25	23.67	67.8	0.11	5.40	8.30
KAR11			32	22.71	73.3	0.17	5.20	9.20
KAR11			40	20.10	76.9	0.28	5.00	10.30
KAR11			50	19.19	82.0	0.39	4.70	11.50
KAR11			63	14.37	83.3	0.61	4.30	13.00
KAR11			80	10.80	86.1	0.88	3.70	14.80
KAR11			100	8.90	90.8	1.38	3.00	16.80
KAR11			125	0.48	89.3	2.09	1.80	18.80
KAR11			160	-6.06	90.6	3.14	0.00	21.10
KAR11			200	-10.34	91.9	4.52	0.00	22.80
KAR12	6 142	6 145						
KAR12			20	25.63	63.9	0.00	5.60	7.60
KAR12			25	22.71	67.8	0.12	5.40	8.30
KAR12			32	21.75	73.3	0.18	5.20	9.20
KAR12			40	19.12	76.9	0.31	5.00	10.30
KAR12			50	18.20	82.0	0.43	4.70	11.50
KAR12			63	13.35	83.3	0.68	4.30	13.00
KAR12			80	9.75	86.1	0.98	3.70	14.80
KAR12			100	7.79	90.8	1.54	3.00	16.80
KAR12			125	-0.71	89.3	2.34	1.80	18.80
KAR12			160	-7.37	90.6	3.50	0.00	21.10
KAR12			200	-11.81	91.9	5.04	0.00	22.80
KAR13	5 932	5 935						
KAR13			20	25.93	63.9	0.00	5.60	7.60
KAR13			25	23.01	67.8	0.12	5.40	8.30
KAR13			32	22.05	73.3	0.18	5.20	9.20
KAR13			40	19.43	76.9	0.30	5.00	10.30
KAR13			50	18.52	82.0	0.42	4.70	11.50
KAR13			63	13.68	83.3	0.65	4.30	13.00
KAR13			80	10.08	86.1	0.95	3.70	14.80
KAR13			100	8.15	90.8	1.48	3.00	16.80
KAR13			125	-0.32	89.3	2.26	1.80	18.80
KAR13			160	-6.95	90.6	3.38	0.00	21.10
KAR13			200	-11.34	91.9	4.87	0.00	22.80
KAR14	6 495	6 498						
KAR14			20	25.14	63.9	0.00	5.60	7.60
KAR14			25	22.21	67.8	0.13	5.40	8.30
KAR14			32	21.25	73.3	0.19	5.20	9.20
KAR14			40	18.62	76.9	0.32	5.00	10.30
KAR14			50	17.69	82.0	0.45	4.70	11.50
KAR14			63	12.83	83.3	0.71	4.30	13.00
KAR14			80	9.21	86.1	1.04	3.70	14.80
KAR14			100	7.22	90.8	1.62	3.00	16.80
KAR14			125	-1.32	89.3	2.47	1.80	18.80
KAR14			160	-8.06	90.6	3.70	0.00	21.10
KAR14			200	-12.58	91.9	5.33	0.00	22.80
KAR15	5 986	5 989						
KAR15			20	25.85	63.9	0.00	5.60	7.60
KAR15			25	22.93	67.8	0.12	5.40	8.30
KAR15			32	21.97	73.3	0.18	5.20	9.20
KAR15			40	19.35	76.9	0.30	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			50	18.43	82.0	0.42	4.70	11.50
KAR15			63	13.59	83.3	0.66	4.30	13.00
KAR15			80	9.99	86.1	0.96	3.70	14.80
KAR15			100	8.06	90.8	1.50	3.00	16.80
KAR15			125	-0.42	89.3	2.28	1.80	18.80
KAR15			160	-7.06	90.6	3.41	0.00	21.10
KAR15			200	-11.46	91.9	4.91	0.00	22.80
KAR16	6 837	6 840						
KAR16			20	24.70	63.9	0.00	5.60	7.60
KAR16			25	21.76	67.8	0.14	5.40	8.30
KAR16			32	20.79	73.3	0.21	5.20	9.20
KAR16			40	18.16	76.9	0.34	5.00	10.30
KAR16			50	17.22	82.0	0.48	4.70	11.50
KAR16			63	12.35	83.3	0.75	4.30	13.00
KAR16			80	8.70	86.1	1.09	3.70	14.80
KAR16			100	6.69	90.8	1.71	3.00	16.80
KAR16			125	-1.90	89.3	2.60	1.80	18.80
KAR16			160	-8.70	90.6	3.90	0.00	21.10
KAR16			200	-13.31	91.9	5.61	0.00	22.80
KAR17	6 796	6 798						
KAR17			20	24.75	63.9	0.00	5.60	7.60
KAR17			25	21.82	67.8	0.14	5.40	8.30
KAR17			32	20.85	73.3	0.20	5.20	9.20
KAR17			40	18.21	76.9	0.34	5.00	10.30
KAR17			50	17.28	82.0	0.48	4.70	11.50
KAR17			63	12.40	83.3	0.75	4.30	13.00
KAR17			80	8.76	86.1	1.09	3.70	14.80
KAR17			100	6.75	90.8	1.70	3.00	16.80
KAR17			125	-1.83	89.3	2.58	1.80	18.80
KAR17			160	-8.62	90.6	3.88	0.00	21.10
KAR17			200	-13.22	91.9	5.57	0.00	22.80
KAR18	7 231	7 234						
KAR18			20	24.21	63.9	0.00	5.60	7.60
KAR18			25	21.27	67.8	0.14	5.40	8.30
KAR18			32	20.30	73.3	0.22	5.20	9.20
KAR18			40	17.65	76.9	0.36	5.00	10.30
KAR18			50	16.71	82.0	0.51	4.70	11.50
KAR18			63	11.82	83.3	0.80	4.30	13.00
KAR18			80	8.16	86.1	1.16	3.70	14.80
KAR18			100	6.10	90.8	1.81	3.00	16.80
KAR18			125	-2.54	89.3	2.75	1.80	18.80
KAR18			160	-9.41	90.6	4.12	0.00	21.10
KAR18			200	-14.12	91.9	5.93	0.00	22.80
KAR19	6 756	6 759						
KAR19			20	24.80	63.9	0.00	5.60	7.60
KAR19			25	21.87	67.8	0.14	5.40	8.30
KAR19			32	20.90	73.3	0.20	5.20	9.20
KAR19			40	18.26	76.9	0.34	5.00	10.30
KAR19			50	17.33	82.0	0.47	4.70	11.50
KAR19			63	12.46	83.3	0.74	4.30	13.00
KAR19			80	8.82	86.1	1.08	3.70	14.80
KAR19			100	6.81	90.8	1.69	3.00	16.80
KAR19			125	-1.77	89.3	2.57	1.80	18.80
KAR19			160	-8.55	90.6	3.85	0.00	21.10
KAR19			200	-13.14	91.9	5.54	0.00	22.80
KAR20	7 400	7 403						
KAR20			20	24.01	63.9	0.00	5.60	7.60
KAR20			25	21.06	67.8	0.15	5.40	8.30
KAR20			32	20.09	73.3	0.22	5.20	9.20
KAR20			40	17.44	76.9	0.37	5.00	10.30
KAR20			50	16.49	82.0	0.52	4.70	11.50
KAR20			63	11.60	83.3	0.81	4.30	13.00
KAR20			80	7.93	86.1	1.18	3.70	14.80
KAR20			100	5.86	90.8	1.85	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			125	-2.80	89.3	2.81	1.80	18.80
KAR20			160	-9.71	90.6	4.22	0.00	21.10
KAR20			200	-14.46	91.9	6.07	0.00	22.80
KAR21	7 265	7 268						
KAR21			20	24.17	63.9	0.00	5.60	7.60
KAR21			25	21.23	67.8	0.15	5.40	8.30
KAR21			32	20.25	73.3	0.22	5.20	9.20
KAR21			40	17.61	76.9	0.36	5.00	10.30
KAR21			50	16.66	82.0	0.51	4.70	11.50
KAR21			63	11.77	83.3	0.80	4.30	13.00
KAR21			80	8.11	86.1	1.16	3.70	14.80
KAR21			100	6.05	90.8	1.82	3.00	16.80
KAR21			125	-2.59	89.3	2.76	1.80	18.80
KAR21			160	-9.47	90.6	4.14	0.00	21.10
KAR21			200	-14.19	91.9	5.96	0.00	22.80
KAR22	7 376	7 379						
KAR22			20	24.04	63.9	0.00	5.60	7.60
KAR22			25	21.09	67.8	0.15	5.40	8.30
KAR22			32	20.12	73.3	0.22	5.20	9.20
KAR22			40	17.47	76.9	0.37	5.00	10.30
KAR22			50	16.52	82.0	0.52	4.70	11.50
KAR22			63	11.63	83.3	0.81	4.30	13.00
KAR22			80	7.96	86.1	1.18	3.70	14.80
KAR22			100	5.90	90.8	1.84	3.00	16.80
KAR22			125	-2.76	89.3	2.80	1.80	18.80
KAR22			160	-9.67	90.6	4.21	0.00	21.10
KAR22			200	-14.41	91.9	6.05	0.00	22.80
KAR23	7 916	7 919						
KAR23			20	23.43	63.9	0.00	5.60	7.60
KAR23			25	20.47	67.8	0.16	5.40	8.30
KAR23			32	19.49	73.3	0.24	5.20	9.20
KAR23			40	16.83	76.9	0.40	5.00	10.30
KAR23			50	15.87	82.0	0.55	4.70	11.50
KAR23			63	10.96	83.3	0.87	4.30	13.00
KAR23			80	7.26	86.1	1.27	3.70	14.80
KAR23			100	5.15	90.8	1.98	3.00	16.80
KAR23			125	-3.58	89.3	3.01	1.80	18.80
KAR23			160	-10.59	90.6	4.51	0.00	21.10
KAR23			200	-15.47	91.9	6.49	0.00	22.80
KAR24	4 217	4 221						
KAR24			20	28.89	63.9	0.00	5.60	7.60
KAR24			25	26.01	67.8	0.08	5.40	8.30
KAR24			32	25.06	73.3	0.13	5.20	9.20
KAR24			40	22.48	76.9	0.21	5.00	10.30
KAR24			50	21.60	82.0	0.30	4.70	11.50
KAR24			63	16.83	83.3	0.46	4.30	13.00
KAR24			80	13.32	86.1	0.68	3.70	14.80
KAR24			100	11.54	90.8	1.06	3.00	16.80
KAR24			125	3.29	89.3	1.60	1.80	18.80
KAR24			160	-3.02	90.6	2.41	0.00	21.10
KAR24			200	-6.97	91.9	3.46	0.00	22.80
KAR25	3 573	3 578						
KAR25			20	30.33	63.9	0.00	5.60	7.60
KAR25			25	27.46	67.8	0.07	5.40	8.30
KAR25			32	26.52	73.3	0.11	5.20	9.20
KAR25			40	23.95	76.9	0.18	5.00	10.30
KAR25			50	23.08	82.0	0.25	4.70	11.50
KAR25			63	18.33	83.3	0.39	4.30	13.00
KAR25			80	14.86	86.1	0.57	3.70	14.80
KAR25			100	13.13	90.8	0.89	3.00	16.80
KAR25			125	4.97	89.3	1.36	1.80	18.80
KAR25			160	-1.21	90.6	2.04	0.00	21.10
KAR25			200	-5.01	91.9	2.93	0.00	22.80
MAA01	1 624	1 630						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA01			20	37.15	63.9	0.00	5.60	7.60
MAA01			25	34.32	67.8	0.03	5.40	8.30
MAA01			32	33.41	73.3	0.05	5.20	9.20
MAA01			40	30.87	76.9	0.08	5.00	10.30
MAA01			50	30.04	82.0	0.11	4.70	11.50
MAA01			63	25.38	83.3	0.18	4.30	13.00
MAA01			80	21.99	86.1	0.26	3.70	14.80
MAA01			100	20.45	90.8	0.41	3.00	16.80
MAA01			125	12.53	89.3	0.62	1.80	18.80
MAA01			160	6.73	90.6	0.93	0.00	21.10
MAA01			200	3.42	91.9	1.34	0.00	22.80
MAA03	2 192	2 197						
MAA03			20	34.56	63.9	0.00	5.60	7.60
MAA03			25	31.72	67.8	0.04	5.40	8.30
MAA03			32	30.80	73.3	0.07	5.20	9.20
MAA03			40	28.26	76.9	0.11	5.00	10.30
MAA03			50	27.41	82.0	0.15	4.70	11.50
MAA03			63	22.72	83.3	0.24	4.30	13.00
MAA03			80	19.31	86.1	0.35	3.70	14.80
MAA03			100	17.72	90.8	0.55	3.00	16.80
MAA03			125	9.73	89.3	0.83	1.80	18.80
MAA03			160	3.81	90.6	1.25	0.00	21.10
MAA03			200	0.36	91.9	1.80	0.00	22.80
MAA04	2 309	2 314						
MAA04			20	34.11	63.9	0.00	5.60	7.60
MAA04			25	31.27	67.8	0.05	5.40	8.30
MAA04			32	30.34	73.3	0.07	5.20	9.20
MAA04			40	27.80	76.9	0.12	5.00	10.30
MAA04			50	26.95	82.0	0.16	4.70	11.50
MAA04			63	22.26	83.3	0.25	4.30	13.00
MAA04			80	18.84	86.1	0.37	3.70	14.80
MAA04			100	17.23	90.8	0.58	3.00	16.80
MAA04			125	9.23	89.3	0.88	1.80	18.80
MAA04			160	3.29	90.6	1.32	0.00	21.10
MAA04			200	-0.18	91.9	1.90	0.00	22.80
MAA05	2 764	2 768						
MAA05			20	32.56	63.9	0.00	5.60	7.60
MAA05			25	29.70	67.8	0.06	5.40	8.30
MAA05			32	28.77	73.3	0.08	5.20	9.20
MAA05			40	26.22	76.9	0.14	5.00	10.30
MAA05			50	25.36	82.0	0.19	4.70	11.50
MAA05			63	20.65	83.3	0.30	4.30	13.00
MAA05			80	17.21	86.1	0.44	3.70	14.80
MAA05			100	15.56	90.8	0.69	3.00	16.80
MAA05			125	7.50	89.3	1.05	1.80	18.80
MAA05			160	1.48	90.6	1.58	0.00	21.10
MAA05			200	-2.11	91.9	2.27	0.00	22.80
MAA06	3 692	3 695						
MAA06			20	30.05	63.9	0.00	5.60	7.60
MAA06			25	27.17	67.8	0.07	5.40	8.30
MAA06			32	26.24	73.3	0.11	5.20	9.20
MAA06			40	23.66	76.9	0.18	5.00	10.30
MAA06			50	22.79	82.0	0.26	4.70	11.50
MAA06			63	18.04	83.3	0.41	4.30	13.00
MAA06			80	14.56	86.1	0.59	3.70	14.80
MAA06			100	12.82	90.8	0.92	3.00	16.80
MAA06			125	4.64	89.3	1.40	1.80	18.80
MAA06			160	-1.56	90.6	2.11	0.00	21.10
MAA06			200	-5.38	91.9	3.03	0.00	22.80
MAA07	4 063	4 066						
MAA07			20	29.22	63.9	0.00	5.60	7.60
MAA07			25	26.34	67.8	0.08	5.40	8.30
MAA07			32	25.39	73.3	0.12	5.20	9.20
MAA07			40	22.81	76.9	0.20	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			50	21.93	82.0	0.28	4.70	11.50
MAA07			63	17.17	83.3	0.45	4.30	13.00
MAA07			80	13.67	86.1	0.65	3.70	14.80
MAA07			100	11.90	90.8	1.02	3.00	16.80
MAA07			125	3.67	89.3	1.55	1.80	18.80
MAA07			160	-2.60	90.6	2.32	0.00	21.10
MAA07			200	-6.52	91.9	3.33	0.00	22.80
MAA08	4 341	4 344						
MAA08			20	28.64	63.9	0.00	5.60	7.60
MAA08			25	25.76	67.8	0.09	5.40	8.30
MAA08			32	24.81	73.3	0.13	5.20	9.20
MAA08			40	22.23	76.9	0.22	5.00	10.30
MAA08			50	21.34	82.0	0.30	4.70	11.50
MAA08			63	16.57	83.3	0.48	4.30	13.00
MAA08			80	13.05	86.1	0.69	3.70	14.80
MAA08			100	11.26	90.8	1.09	3.00	16.80
MAA08			125	2.99	89.3	1.65	1.80	18.80
MAA08			160	-3.33	90.6	2.48	0.00	21.10
MAA08			200	-7.32	91.9	3.56	0.00	22.80
RAH01	2 976	2 980						
RAH01			20	30.07	62.0	0.00	5.60	7.60
RAH01			25	28.51	67.2	0.06	5.40	8.30
RAH01			32	26.88	72.0	0.09	5.20	9.20
RAH01			40	25.49	76.8	0.15	5.00	10.30
RAH01			50	23.93	81.2	0.21	4.70	11.50
RAH01			63	21.71	85.0	0.33	4.30	13.00
RAH01			80	18.76	88.3	0.48	3.70	14.80
RAH01			100	15.17	91.1	0.74	3.00	16.80
RAH01			125	10.78	93.3	1.13	1.80	18.80
RAH01			160	5.09	95.0	1.70	0.00	21.10
RAH01			200	1.27	96.1	2.44	0.00	22.80
RAH02	3 196	3 200						
RAH02			20	29.45	62.0	0.00	5.60	7.60
RAH02			25	27.88	67.2	0.06	5.40	8.30
RAH02			32	26.25	72.0	0.10	5.20	9.20
RAH02			40	24.86	76.8	0.16	5.00	10.30
RAH02			50	23.30	81.2	0.22	4.70	11.50
RAH02			63	21.07	85.0	0.35	4.30	13.00
RAH02			80	18.11	88.3	0.51	3.70	14.80
RAH02			100	14.50	91.1	0.80	3.00	16.80
RAH02			125	10.08	93.3	1.22	1.80	18.80
RAH02			160	4.35	95.0	1.82	0.00	21.10
RAH02			200	0.47	96.1	2.62	0.00	22.80
RAH03	2 438	2 443						
RAH03			20	31.79	62.0	0.00	5.60	7.60
RAH03			25	30.24	67.2	0.05	5.40	8.30
RAH03			32	28.62	72.0	0.07	5.20	9.20
RAH03			40	27.24	76.8	0.12	5.00	10.30
RAH03			50	25.69	81.2	0.17	4.70	11.50
RAH03			63	23.50	85.0	0.27	4.30	13.00
RAH03			80	20.57	88.3	0.39	3.70	14.80
RAH03			100	17.03	91.1	0.61	3.00	16.80
RAH03			125	12.71	93.3	0.93	1.80	18.80
RAH03			160	7.12	95.0	1.39	0.00	21.10
RAH03			200	3.44	96.1	2.00	0.00	22.80
RAH04	3 395	3 398						
RAH04			20	28.92	62.0	0.00	5.60	7.60
RAH04			25	27.35	67.2	0.07	5.40	8.30
RAH04			32	25.72	72.0	0.10	5.20	9.20
RAH04			40	24.33	76.8	0.17	5.00	10.30
RAH04			50	22.76	81.2	0.24	4.70	11.50
RAH04			63	20.52	85.0	0.37	4.30	13.00
RAH04			80	17.56	88.3	0.54	3.70	14.80
RAH04			100	13.92	91.1	0.85	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			125	9.48	93.3	1.29	1.80	18.80
RAH04			160	3.71	95.0	1.94	0.00	21.10
RAH04			200	-0.21	96.1	2.79	0.00	22.80
RAH05	2 618	2 623						
RAH05			20	31.17	62.0	0.00	5.60	7.60
RAH05			25	29.62	67.2	0.05	5.40	8.30
RAH05			32	27.99	72.0	0.08	5.20	9.20
RAH05			40	26.62	76.8	0.13	5.00	10.30
RAH05			50	25.06	81.2	0.18	4.70	11.50
RAH05			63	22.86	85.0	0.29	4.30	13.00
RAH05			80	19.93	88.3	0.42	3.70	14.80
RAH05			100	16.37	91.1	0.66	3.00	16.80
RAH05			125	12.03	93.3	1.00	1.80	18.80
RAH05			160	6.41	95.0	1.50	0.00	21.10
RAH05			200	2.67	96.1	2.15	0.00	22.80
RAH06	3 113	3 117						
RAH06			20	29.67	62.0	0.00	5.60	7.60
RAH06			25	28.11	67.2	0.06	5.40	8.30
RAH06			32	26.48	72.0	0.09	5.20	9.20
RAH06			40	25.09	76.8	0.16	5.00	10.30
RAH06			50	23.53	81.2	0.22	4.70	11.50
RAH06			63	21.31	85.0	0.34	4.30	13.00
RAH06			80	18.35	88.3	0.50	3.70	14.80
RAH06			100	14.75	91.1	0.78	3.00	16.80
RAH06			125	10.34	93.3	1.18	1.80	18.80
RAH06			160	4.62	95.0	1.78	0.00	21.10
RAH06			200	0.77	96.1	2.56	0.00	22.80
RAH07	4 797	4 800						
RAH07			20	25.92	62.0	0.00	5.60	7.60
RAH07			25	24.33	67.2	0.10	5.40	8.30
RAH07			32	22.68	72.0	0.14	5.20	9.20
RAH07			40	21.26	76.8	0.24	5.00	10.30
RAH07			50	19.66	81.2	0.34	4.70	11.50
RAH07			63	17.37	85.0	0.53	4.30	13.00
RAH07			80	14.33	88.3	0.77	3.70	14.80
RAH07			100	10.58	91.1	1.20	3.00	16.80
RAH07			125	5.95	93.3	1.82	1.80	18.80
RAH07			160	-0.09	95.0	2.74	0.00	21.10
RAH07			200	-4.36	96.1	3.94	0.00	22.80
RAH08	4 753	4 756						
RAH08			20	26.00	62.0	0.00	5.60	7.60
RAH08			25	24.41	67.2	0.10	5.40	8.30
RAH08			32	22.76	72.0	0.14	5.20	9.20
RAH08			40	21.34	76.8	0.24	5.00	10.30
RAH08			50	19.75	81.2	0.33	4.70	11.50
RAH08			63	17.46	85.0	0.52	4.30	13.00
RAH08			80	14.42	88.3	0.76	3.70	14.80
RAH08			100	10.67	91.1	1.19	3.00	16.80
RAH08			125	6.05	93.3	1.81	1.80	18.80
RAH08			160	0.02	95.0	2.71	0.00	21.10
RAH08			200	-4.24	96.1	3.90	0.00	22.80
RAH09	4 019	4 022						
RAH09			20	27.46	62.0	0.00	5.60	7.60
RAH09			25	25.88	67.2	0.08	5.40	8.30
RAH09			32	24.24	72.0	0.12	5.20	9.20
RAH09			40	22.83	76.8	0.20	5.00	10.30
RAH09			50	21.25	81.2	0.28	4.70	11.50
RAH09			63	18.99	85.0	0.44	4.30	13.00
RAH09			80	15.99	88.3	0.64	3.70	14.80
RAH09			100	12.31	91.1	1.01	3.00	16.80
RAH09			125	7.78	93.3	1.53	1.80	18.80
RAH09			160	1.90	95.0	2.29	0.00	21.10
RAH09			200	-2.19	96.1	3.30	0.00	22.80
RAH10	4 238	4 240						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH10			20	27.00	62.0	0.00	5.60	7.60
RAH10			25	25.42	67.2	0.08	5.40	8.30
RAH10			32	23.77	72.0	0.13	5.20	9.20
RAH10			40	22.36	76.8	0.21	5.00	10.30
RAH10			50	20.78	81.2	0.30	4.70	11.50
RAH10			63	18.51	85.0	0.47	4.30	13.00
RAH10			80	15.50	88.3	0.68	3.70	14.80
RAH10			100	11.79	91.1	1.06	3.00	16.80
RAH10			125	7.24	93.3	1.61	1.80	18.80
RAH10			160	1.31	95.0	2.42	0.00	21.10
RAH10			200	-2.83	96.1	3.48	0.00	22.80
RAH11	2 452	2 457						
RAH11			20	31.74	62.0	0.00	5.60	7.60
RAH11			25	30.19	67.2	0.05	5.40	8.30
RAH11			32	28.57	72.0	0.07	5.20	9.20
RAH11			40	27.19	76.8	0.12	5.00	10.30
RAH11			50	25.64	81.2	0.17	4.70	11.50
RAH11			63	23.44	85.0	0.27	4.30	13.00
RAH11			80	20.52	88.3	0.39	3.70	14.80
RAH11			100	16.98	91.1	0.61	3.00	16.80
RAH11			125	12.66	93.3	0.93	1.80	18.80
RAH11			160	7.07	95.0	1.40	0.00	21.10
RAH11			200	3.38	96.1	2.01	0.00	22.80
RAH12	3 146	3 150						
RAH12			20	29.58	62.0	0.00	5.60	7.60
RAH12			25	28.02	67.2	0.06	5.40	8.30
RAH12			32	26.39	72.0	0.09	5.20	9.20
RAH12			40	25.00	76.8	0.16	5.00	10.30
RAH12			50	23.44	81.2	0.22	4.70	11.50
RAH12			63	21.21	85.0	0.35	4.30	13.00
RAH12			80	18.25	88.3	0.50	3.70	14.80
RAH12			100	14.65	91.1	0.79	3.00	16.80
RAH12			125	10.24	93.3	1.20	1.80	18.80
RAH12			160	4.51	95.0	1.80	0.00	21.10
RAH12			200	0.65	96.1	2.58	0.00	22.80
RAH13	2 951	2 955						
RAH13			20	30.14	62.0	0.00	5.60	7.60
RAH13			25	28.58	67.2	0.06	5.40	8.30
RAH13			32	26.95	72.0	0.09	5.20	9.20
RAH13			40	25.57	76.8	0.15	5.00	10.30
RAH13			50	24.01	81.2	0.21	4.70	11.50
RAH13			63	21.79	85.0	0.33	4.30	13.00
RAH13			80	18.84	88.3	0.47	3.70	14.80
RAH13			100	15.25	91.1	0.74	3.00	16.80
RAH13			125	10.87	93.3	1.12	1.80	18.80
RAH13			160	5.18	95.0	1.68	0.00	21.10
RAH13			200	1.37	96.1	2.42	0.00	22.80
RAH14	2 296	2 301						
RAH14			20	32.31	62.0	0.00	5.60	7.60
RAH14			25	30.76	67.2	0.05	5.40	8.30
RAH14			32	29.14	72.0	0.07	5.20	9.20
RAH14			40	27.77	76.8	0.12	5.00	10.30
RAH14			50	26.22	81.2	0.16	4.70	11.50
RAH14			63	24.03	85.0	0.25	4.30	13.00
RAH14			80	21.12	88.3	0.37	3.70	14.80
RAH14			100	17.58	91.1	0.58	3.00	16.80
RAH14			125	13.29	93.3	0.87	1.80	18.80
RAH14			160	7.72	95.0	1.31	0.00	21.10
RAH14			200	4.07	96.1	1.89	0.00	22.80
RAH15	3 108	3 113						
RAH15			20	29.69	62.0	0.00	5.60	7.60
RAH15			25	28.12	67.2	0.06	5.40	8.30
RAH15			32	26.49	72.0	0.09	5.20	9.20
RAH15			40	25.11	76.8	0.16	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			50	23.54	81.2	0.22	4.70	11.50
RAH15			63	21.32	85.0	0.34	4.30	13.00
RAH15			80	18.36	88.3	0.50	3.70	14.80
RAH15			100	14.76	91.1	0.78	3.00	16.80
RAH15			125	10.35	93.3	1.18	1.80	18.80
RAH15			160	4.64	95.0	1.77	0.00	21.10
RAH15			200	0.78	96.1	2.55	0.00	22.80
RAH16	3 737	3 740						
RAH16			20	28.09	62.0	0.00	5.60	7.60
RAH16			25	26.52	67.2	0.07	5.40	8.30
RAH16			32	24.88	72.0	0.11	5.20	9.20
RAH16			40	23.48	76.8	0.19	5.00	10.30
RAH16			50	21.91	81.2	0.26	4.70	11.50
RAH16			63	19.66	85.0	0.41	4.30	13.00
RAH16			80	16.67	88.3	0.60	3.70	14.80
RAH16			100	13.01	91.1	0.93	3.00	16.80
RAH16			125	8.52	93.3	1.42	1.80	18.80
RAH16			160	2.69	95.0	2.13	0.00	21.10
RAH16			200	-1.32	96.1	3.07	0.00	22.80
RAH17	2 248	2 255						
RAH17			20	32.49	62.0	0.00	5.60	7.60
RAH17			25	30.94	67.2	0.05	5.40	8.30
RAH17			32	29.32	72.0	0.07	5.20	9.20
RAH17			40	27.95	76.8	0.11	5.00	10.30
RAH17			50	26.40	81.2	0.16	4.70	11.50
RAH17			63	24.21	85.0	0.25	4.30	13.00
RAH17			80	21.30	88.3	0.36	3.70	14.80
RAH17			100	17.77	91.1	0.56	3.00	16.80
RAH17			125	13.48	93.3	0.86	1.80	18.80
RAH17			160	7.93	95.0	1.29	0.00	21.10
RAH17			200	4.29	96.1	1.85	0.00	22.80
RAH18	2 815	2 821						
RAH18			20	30.54	62.0	0.00	5.60	7.60
RAH18			25	28.98	67.2	0.06	5.40	8.30
RAH18			32	27.36	72.0	0.08	5.20	9.20
RAH18			40	25.98	76.8	0.14	5.00	10.30
RAH18			50	24.42	81.2	0.20	4.70	11.50
RAH18			63	22.21	85.0	0.31	4.30	13.00
RAH18			80	19.27	88.3	0.45	3.70	14.80
RAH18			100	15.69	91.1	0.71	3.00	16.80
RAH18			125	11.32	93.3	1.07	1.80	18.80
RAH18			160	5.66	95.0	1.61	0.00	21.10
RAH18			200	1.88	96.1	2.31	0.00	22.80
RAH19	2 958	2 963						
RAH19			20	30.11	62.0	0.00	5.60	7.60
RAH19			25	28.55	67.2	0.06	5.40	8.30
RAH19			32	26.92	72.0	0.09	5.20	9.20
RAH19			40	25.54	76.8	0.15	5.00	10.30
RAH19			50	23.98	81.2	0.21	4.70	11.50
RAH19			63	21.76	85.0	0.33	4.30	13.00
RAH19			80	18.82	88.3	0.47	3.70	14.80
RAH19			100	15.22	91.1	0.74	3.00	16.80
RAH19			125	10.84	93.3	1.13	1.80	18.80
RAH19			160	5.15	95.0	1.69	0.00	21.10
RAH19			200	1.34	96.1	2.43	0.00	22.80
SIL01	8 837	8 839						
SIL01			20	21.90	63.3	0.00	5.60	7.60
SIL01			25	20.11	68.4	0.18	5.40	8.30
SIL01			32	14.14	68.9	0.27	5.20	9.20
SIL01			40	11.05	72.1	0.44	5.00	10.30
SIL01			50	9.68	76.8	0.62	4.70	11.50
SIL01			63	6.41	79.8	0.97	4.30	13.00
SIL01			80	2.67	82.6	1.41	3.70	14.80
SIL01			100	-0.81	86.0	2.21	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			125	-4.90	89.3	3.36	1.80	18.80
SIL01			160	-14.48	88.2	5.04	0.00	21.10
SIL01			200	-19.09	90.0	7.25	0.00	22.80
SIL02	8 368	8 370						
SIL02			20	22.37	63.3	0.00	5.60	7.60
SIL02			25	20.60	68.4	0.17	5.40	8.30
SIL02			32	14.62	68.9	0.25	5.20	9.20
SIL02			40	11.55	72.1	0.42	5.00	10.30
SIL02			50	10.18	76.8	0.59	4.70	11.50
SIL02			63	6.93	79.8	0.92	4.30	13.00
SIL02			80	3.22	82.6	1.34	3.70	14.80
SIL02			100	-0.22	86.0	2.09	3.00	16.80
SIL02			125	-4.25	89.3	3.18	1.80	18.80
SIL02			160	-13.74	88.2	4.77	0.00	21.10
SIL02			200	-18.23	90.0	6.86	0.00	22.80
SIL03	7 765	7 767						
SIL03			20	23.02	63.3	0.00	5.60	7.60
SIL03			25	21.26	68.4	0.16	5.40	8.30
SIL03			32	15.29	68.9	0.23	5.20	9.20
SIL03			40	12.23	72.1	0.39	5.00	10.30
SIL03			50	10.88	76.8	0.54	4.70	11.50
SIL03			63	7.65	79.8	0.85	4.30	13.00
SIL03			80	3.96	82.6	1.24	3.70	14.80
SIL03			100	0.58	86.0	1.94	3.00	16.80
SIL03			125	-3.37	89.3	2.95	1.80	18.80
SIL03			160	-12.75	88.2	4.43	0.00	21.10
SIL03			200	-17.08	90.0	6.37	0.00	22.80
SIL04	7 729	7 731						
SIL04			20	23.06	63.3	0.00	5.60	7.60
SIL04			25	21.30	68.4	0.15	5.40	8.30
SIL04			32	15.33	68.9	0.23	5.20	9.20
SIL04			40	12.27	72.1	0.39	5.00	10.30
SIL04			50	10.92	76.8	0.54	4.70	11.50
SIL04			63	7.69	79.8	0.85	4.30	13.00
SIL04			80	4.01	82.6	1.24	3.70	14.80
SIL04			100	0.63	86.0	1.93	3.00	16.80
SIL04			125	-3.31	89.3	2.94	1.80	18.80
SIL04			160	-12.69	88.2	4.41	0.00	21.10
SIL04			200	-17.02	90.0	6.34	0.00	22.80
SIL05	8 558	8 560						
SIL05			20	22.17	63.3	0.00	5.60	7.60
SIL05			25	20.40	68.4	0.17	5.40	8.30
SIL05			32	14.42	68.9	0.26	5.20	9.20
SIL05			40	11.35	72.1	0.43	5.00	10.30
SIL05			50	9.98	76.8	0.60	4.70	11.50
SIL05			63	6.72	79.8	0.94	4.30	13.00
SIL05			80	2.99	82.6	1.37	3.70	14.80
SIL05			100	-0.46	86.0	2.14	3.00	16.80
SIL05			125	-4.51	89.3	3.25	1.80	18.80
SIL05			160	-14.05	88.2	4.88	0.00	21.10
SIL05			200	-18.58	90.0	7.02	0.00	22.80
SIL06	8 202	8 203						
SIL06			20	22.54	63.3	0.00	5.60	7.60
SIL06			25	20.77	68.4	0.16	5.40	8.30
SIL06			32	14.80	68.9	0.25	5.20	9.20
SIL06			40	11.73	72.1	0.41	5.00	10.30
SIL06			50	10.37	76.8	0.57	4.70	11.50
SIL06			63	7.12	79.8	0.90	4.30	13.00
SIL06			80	3.42	82.6	1.31	3.70	14.80
SIL06			100	0.00	86.0	2.05	3.00	16.80
SIL06			125	-4.01	89.3	3.12	1.80	18.80
SIL06			160	-13.47	88.2	4.68	0.00	21.10
SIL06			200	-17.92	90.0	6.73	0.00	22.80
SIL07	7 634	7 636						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL07			20	23.17	63.3	0.00	5.60	7.60
SIL07			25	21.41	68.4	0.15	5.40	8.30
SIL07			32	15.44	68.9	0.23	5.20	9.20
SIL07			40	12.38	72.1	0.38	5.00	10.30
SIL07			50	11.03	76.8	0.53	4.70	11.50
SIL07			63	7.81	79.8	0.84	4.30	13.00
SIL07			80	4.13	82.6	1.22	3.70	14.80
SIL07			100	0.76	86.0	1.91	3.00	16.80
SIL07			125	-3.17	89.3	2.90	1.80	18.80
SIL07			160	-12.53	88.2	4.35	0.00	21.10
SIL07			200	-16.83	90.0	6.26	0.00	22.80
SIL08	7 966	7 968						
SIL08			20	22.80	63.3	0.00	5.60	7.60
SIL08			25	21.03	68.4	0.16	5.40	8.30
SIL08			32	15.06	68.9	0.24	5.20	9.20
SIL08			40	12.00	72.1	0.40	5.00	10.30
SIL08			50	10.64	76.8	0.56	4.70	11.50
SIL08			63	7.40	79.8	0.88	4.30	13.00
SIL08			80	3.71	82.6	1.27	3.70	14.80
SIL08			100	0.31	86.0	1.99	3.00	16.80
SIL08			125	-3.67	89.3	3.03	1.80	18.80
SIL08			160	-13.09	88.2	4.54	0.00	21.10
SIL08			200	-17.47	90.0	6.53	0.00	22.80
Sum								
Sum			20	46.76				
Sum			25	44.49				
Sum			32	43.13				
Sum			40	41.12				
Sum			50	39.90				
Sum			63	36.54				
Sum			80	33.40				
Sum			100	30.56				
Sum			125	24.86				
Sum			160	19.04				
Sum			200	15.27				

Noise sensitive area: T Noise sensitive point: Finnish normal frequency - User defined (36)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 992	3 996						
KAR01			20	29.37	63.9	0.00	5.60	7.60
KAR01			25	26.49	67.8	0.08	5.40	8.30
KAR01			32	25.55	73.3	0.12	5.20	9.20
KAR01			40	22.97	76.9	0.20	5.00	10.30
KAR01			50	22.09	82.0	0.28	4.70	11.50
KAR01			63	17.33	83.3	0.44	4.30	13.00
KAR01			80	13.83	86.1	0.64	3.70	14.80
KAR01			100	12.07	90.8	1.00	3.00	16.80
KAR01			125	3.85	89.3	1.52	1.80	18.80
KAR01			160	-2.41	90.6	2.28	0.00	21.10
KAR01			200	-6.31	91.9	3.28	0.00	22.80
KAR02	4 050	4 054						
KAR02			20	29.24	63.9	0.00	5.60	7.60
KAR02			25	26.36	67.8	0.08	5.40	8.30
KAR02			32	25.42	73.3	0.12	5.20	9.20
KAR02			40	22.84	76.9	0.20	5.00	10.30
KAR02			50	21.96	82.0	0.28	4.70	11.50
KAR02			63	17.20	83.3	0.45	4.30	13.00
KAR02			80	13.69	86.1	0.65	3.70	14.80
KAR02			100	11.93	90.8	1.01	3.00	16.80
KAR02			125	3.70	89.3	1.54	1.80	18.80
KAR02			160	-2.57	90.6	2.31	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR02			200	-6.48	91.9	3.32	0.00	22.80
KAR03	4 326	4 330						
KAR03			20	28.67	63.9	0.00	5.60	7.60
KAR03			25	25.78	67.8	0.09	5.40	8.30
KAR03			32	24.84	73.3	0.13	5.20	9.20
KAR03			40	22.25	76.9	0.22	5.00	10.30
KAR03			50	21.37	82.0	0.30	4.70	11.50
KAR03			63	16.59	83.3	0.48	4.30	13.00
KAR03			80	13.08	86.1	0.69	3.70	14.80
KAR03			100	11.29	90.8	1.08	3.00	16.80
KAR03			125	3.02	89.3	1.65	1.80	18.80
KAR03			160	-3.30	90.6	2.47	0.00	21.10
KAR03			200	-7.28	91.9	3.55	0.00	22.80
KAR04	4 819	4 823						
KAR04			20	27.73	63.9	0.00	5.60	7.60
KAR04			25	24.84	67.8	0.10	5.40	8.30
KAR04			32	23.89	73.3	0.14	5.20	9.20
KAR04			40	21.29	76.9	0.24	5.00	10.30
KAR04			50	20.40	82.0	0.34	4.70	11.50
KAR04			63	15.60	83.3	0.53	4.30	13.00
KAR04			80	12.06	86.1	0.77	3.70	14.80
KAR04			100	10.23	90.8	1.21	3.00	16.80
KAR04			125	1.90	89.3	1.83	1.80	18.80
KAR04			160	-4.52	90.6	2.75	0.00	21.10
KAR04			200	-8.62	91.9	3.95	0.00	22.80
KAR05	5 318	5 322						
KAR05			20	26.88	63.9	0.00	5.60	7.60
KAR05			25	23.97	67.8	0.11	5.40	8.30
KAR05			32	23.02	73.3	0.16	5.20	9.20
KAR05			40	20.41	76.9	0.27	5.00	10.30
KAR05			50	19.51	82.0	0.37	4.70	11.50
KAR05			63	14.69	83.3	0.59	4.30	13.00
KAR05			80	11.13	86.1	0.85	3.70	14.80
KAR05			100	9.25	90.8	1.33	3.00	16.80
KAR05			125	0.86	89.3	2.02	1.80	18.80
KAR05			160	-5.66	90.6	3.03	0.00	21.10
KAR05			200	-9.89	91.9	4.36	0.00	22.80
KAR06	4 926	4 930						
KAR06			20	27.54	63.9	0.00	5.60	7.60
KAR06			25	24.64	67.8	0.10	5.40	8.30
KAR06			32	23.70	73.3	0.15	5.20	9.20
KAR06			40	21.10	76.9	0.25	5.00	10.30
KAR06			50	20.20	82.0	0.35	4.70	11.50
KAR06			63	15.40	83.3	0.54	4.30	13.00
KAR06			80	11.85	86.1	0.79	3.70	14.80
KAR06			100	10.01	90.8	1.23	3.00	16.80
KAR06			125	1.67	89.3	1.87	1.80	18.80
KAR06			160	-4.77	90.6	2.81	0.00	21.10
KAR06			200	-8.90	91.9	4.04	0.00	22.80
KAR07	4 892	4 896						
KAR07			20	27.60	63.9	0.00	5.60	7.60
KAR07			25	24.71	67.8	0.10	5.40	8.30
KAR07			32	23.76	73.3	0.15	5.20	9.20
KAR07			40	21.16	76.9	0.24	5.00	10.30
KAR07			50	20.26	82.0	0.34	4.70	11.50
KAR07			63	15.46	83.3	0.54	4.30	13.00
KAR07			80	11.92	86.1	0.78	3.70	14.80
KAR07			100	10.08	90.8	1.22	3.00	16.80
KAR07			125	1.74	89.3	1.86	1.80	18.80
KAR07			160	-4.69	90.6	2.79	0.00	21.10
KAR07			200	-8.81	91.9	4.01	0.00	22.80
KAR08	5 045	5 048						
KAR08			20	27.34	63.9	0.00	5.60	7.60
KAR08			25	24.44	67.8	0.10	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR08			32	23.49	73.3	0.15	5.20	9.20
KAR08			40	20.88	76.9	0.25	5.00	10.30
KAR08			50	19.98	82.0	0.35	4.70	11.50
KAR08			63	15.18	83.3	0.56	4.30	13.00
KAR08			80	11.63	86.1	0.81	3.70	14.80
KAR08			100	9.77	90.8	1.26	3.00	16.80
KAR08			125	1.42	89.3	1.92	1.80	18.80
KAR08			160	-5.04	90.6	2.88	0.00	21.10
KAR08			200	-9.20	91.9	4.14	0.00	22.80
KAR09	5 834	5 838						
KAR09			20	26.08	63.9	0.00	5.60	7.60
KAR09			25	23.16	67.8	0.12	5.40	8.30
KAR09			32	22.20	73.3	0.18	5.20	9.20
KAR09			40	19.58	76.9	0.29	5.00	10.30
KAR09			50	18.67	82.0	0.41	4.70	11.50
KAR09			63	13.83	83.3	0.64	4.30	13.00
KAR09			80	10.24	86.1	0.93	3.70	14.80
KAR09			100	8.32	90.8	1.46	3.00	16.80
KAR09			125	-0.14	89.3	2.22	1.80	18.80
KAR09			160	-6.75	90.6	3.33	0.00	21.10
KAR09			200	-11.11	91.9	4.79	0.00	22.80
KAR10	5 580	5 583						
KAR10			20	26.46	63.9	0.00	5.60	7.60
KAR10			25	23.55	67.8	0.11	5.40	8.30
KAR10			32	22.59	73.3	0.17	5.20	9.20
KAR10			40	19.98	76.9	0.28	5.00	10.30
KAR10			50	19.07	82.0	0.39	4.70	11.50
KAR10			63	14.25	83.3	0.61	4.30	13.00
KAR10			80	10.67	86.1	0.89	3.70	14.80
KAR10			100	8.77	90.8	1.40	3.00	16.80
KAR10			125	0.34	89.3	2.12	1.80	18.80
KAR10			160	-6.22	90.6	3.18	0.00	21.10
KAR10			200	-10.52	91.9	4.58	0.00	22.80
KAR11	5 506	5 510						
KAR11			20	26.58	63.9	0.00	5.60	7.60
KAR11			25	23.67	67.8	0.11	5.40	8.30
KAR11			32	22.71	73.3	0.17	5.20	9.20
KAR11			40	20.10	76.9	0.28	5.00	10.30
KAR11			50	19.19	82.0	0.39	4.70	11.50
KAR11			63	14.37	83.3	0.61	4.30	13.00
KAR11			80	10.80	86.1	0.88	3.70	14.80
KAR11			100	8.90	90.8	1.38	3.00	16.80
KAR11			125	0.48	89.3	2.09	1.80	18.80
KAR11			160	-6.06	90.6	3.14	0.00	21.10
KAR11			200	-10.34	91.9	4.52	0.00	22.80
KAR12	6 142	6 145						
KAR12			20	25.63	63.9	0.00	5.60	7.60
KAR12			25	22.71	67.8	0.12	5.40	8.30
KAR12			32	21.75	73.3	0.18	5.20	9.20
KAR12			40	19.12	76.9	0.31	5.00	10.30
KAR12			50	18.20	82.0	0.43	4.70	11.50
KAR12			63	13.35	83.3	0.68	4.30	13.00
KAR12			80	9.75	86.1	0.98	3.70	14.80
KAR12			100	7.79	90.8	1.54	3.00	16.80
KAR12			125	-0.71	89.3	2.34	1.80	18.80
KAR12			160	-7.37	90.6	3.50	0.00	21.10
KAR12			200	-11.81	91.9	5.04	0.00	22.80
KAR13	5 932	5 935						
KAR13			20	25.93	63.9	0.00	5.60	7.60
KAR13			25	23.01	67.8	0.12	5.40	8.30
KAR13			32	22.05	73.3	0.18	5.20	9.20
KAR13			40	19.43	76.9	0.30	5.00	10.30
KAR13			50	18.52	82.0	0.42	4.70	11.50
KAR13			63	13.68	83.3	0.65	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			80	10.08	86.1	0.95	3.70	14.80
KAR13			100	8.15	90.8	1.48	3.00	16.80
KAR13			125	-0.32	89.3	2.26	1.80	18.80
KAR13			160	-6.95	90.6	3.38	0.00	21.10
KAR13			200	-11.34	91.9	4.87	0.00	22.80
KAR14	6 495	6 498						
KAR14			20	25.14	63.9	0.00	5.60	7.60
KAR14			25	22.21	67.8	0.13	5.40	8.30
KAR14			32	21.25	73.3	0.19	5.20	9.20
KAR14			40	18.62	76.9	0.32	5.00	10.30
KAR14			50	17.69	82.0	0.45	4.70	11.50
KAR14			63	12.83	83.3	0.71	4.30	13.00
KAR14			80	9.21	86.1	1.04	3.70	14.80
KAR14			100	7.22	90.8	1.62	3.00	16.80
KAR14			125	-1.32	89.3	2.47	1.80	18.80
KAR14			160	-8.06	90.6	3.70	0.00	21.10
KAR14			200	-12.58	91.9	5.33	0.00	22.80
KAR15	5 986	5 989						
KAR15			20	25.85	63.9	0.00	5.60	7.60
KAR15			25	22.93	67.8	0.12	5.40	8.30
KAR15			32	21.97	73.3	0.18	5.20	9.20
KAR15			40	19.35	76.9	0.30	5.00	10.30
KAR15			50	18.43	82.0	0.42	4.70	11.50
KAR15			63	13.59	83.3	0.66	4.30	13.00
KAR15			80	9.99	86.1	0.96	3.70	14.80
KAR15			100	8.06	90.8	1.50	3.00	16.80
KAR15			125	-0.42	89.3	2.28	1.80	18.80
KAR15			160	-7.06	90.6	3.41	0.00	21.10
KAR15			200	-11.46	91.9	4.91	0.00	22.80
KAR16	6 837	6 840						
KAR16			20	24.70	63.9	0.00	5.60	7.60
KAR16			25	21.76	67.8	0.14	5.40	8.30
KAR16			32	20.79	73.3	0.21	5.20	9.20
KAR16			40	18.16	76.9	0.34	5.00	10.30
KAR16			50	17.22	82.0	0.48	4.70	11.50
KAR16			63	12.35	83.3	0.75	4.30	13.00
KAR16			80	8.70	86.1	1.09	3.70	14.80
KAR16			100	6.69	90.8	1.71	3.00	16.80
KAR16			125	-1.90	89.3	2.60	1.80	18.80
KAR16			160	-8.70	90.6	3.90	0.00	21.10
KAR16			200	-13.31	91.9	5.61	0.00	22.80
KAR17	6 796	6 798						
KAR17			20	24.75	63.9	0.00	5.60	7.60
KAR17			25	21.82	67.8	0.14	5.40	8.30
KAR17			32	20.85	73.3	0.20	5.20	9.20
KAR17			40	18.21	76.9	0.34	5.00	10.30
KAR17			50	17.28	82.0	0.48	4.70	11.50
KAR17			63	12.40	83.3	0.75	4.30	13.00
KAR17			80	8.76	86.1	1.09	3.70	14.80
KAR17			100	6.75	90.8	1.70	3.00	16.80
KAR17			125	-1.83	89.3	2.58	1.80	18.80
KAR17			160	-8.62	90.6	3.88	0.00	21.10
KAR17			200	-13.22	91.9	5.57	0.00	22.80
KAR18	7 231	7 234						
KAR18			20	24.21	63.9	0.00	5.60	7.60
KAR18			25	21.27	67.8	0.14	5.40	8.30
KAR18			32	20.30	73.3	0.22	5.20	9.20
KAR18			40	17.65	76.9	0.36	5.00	10.30
KAR18			50	16.71	82.0	0.51	4.70	11.50
KAR18			63	11.82	83.3	0.80	4.30	13.00
KAR18			80	8.16	86.1	1.16	3.70	14.80
KAR18			100	6.10	90.8	1.81	3.00	16.80
KAR18			125	-2.54	89.3	2.75	1.80	18.80
KAR18			160	-9.41	90.6	4.12	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR18			200	-14.12	91.9	5.93	0.00	22.80
KAR19	6 756	6 759						
KAR19			20	24.80	63.9	0.00	5.60	7.60
KAR19			25	21.87	67.8	0.14	5.40	8.30
KAR19			32	20.90	73.3	0.20	5.20	9.20
KAR19			40	18.26	76.9	0.34	5.00	10.30
KAR19			50	17.33	82.0	0.47	4.70	11.50
KAR19			63	12.46	83.3	0.74	4.30	13.00
KAR19			80	8.82	86.1	1.08	3.70	14.80
KAR19			100	6.81	90.8	1.69	3.00	16.80
KAR19			125	-1.77	89.3	2.57	1.80	18.80
KAR19			160	-8.55	90.6	3.85	0.00	21.10
KAR19			200	-13.14	91.9	5.54	0.00	22.80
KAR20	7 400	7 403						
KAR20			20	24.01	63.9	0.00	5.60	7.60
KAR20			25	21.06	67.8	0.15	5.40	8.30
KAR20			32	20.09	73.3	0.22	5.20	9.20
KAR20			40	17.44	76.9	0.37	5.00	10.30
KAR20			50	16.49	82.0	0.52	4.70	11.50
KAR20			63	11.60	83.3	0.81	4.30	13.00
KAR20			80	7.93	86.1	1.18	3.70	14.80
KAR20			100	5.86	90.8	1.85	3.00	16.80
KAR20			125	-2.80	89.3	2.81	1.80	18.80
KAR20			160	-9.71	90.6	4.22	0.00	21.10
KAR20			200	-14.46	91.9	6.07	0.00	22.80
KAR21	7 265	7 268						
KAR21			20	24.17	63.9	0.00	5.60	7.60
KAR21			25	21.23	67.8	0.15	5.40	8.30
KAR21			32	20.25	73.3	0.22	5.20	9.20
KAR21			40	17.61	76.9	0.36	5.00	10.30
KAR21			50	16.66	82.0	0.51	4.70	11.50
KAR21			63	11.77	83.3	0.80	4.30	13.00
KAR21			80	8.11	86.1	1.16	3.70	14.80
KAR21			100	6.05	90.8	1.82	3.00	16.80
KAR21			125	-2.59	89.3	2.76	1.80	18.80
KAR21			160	-9.47	90.6	4.14	0.00	21.10
KAR21			200	-14.19	91.9	5.96	0.00	22.80
KAR22	7 376	7 379						
KAR22			20	24.04	63.9	0.00	5.60	7.60
KAR22			25	21.09	67.8	0.15	5.40	8.30
KAR22			32	20.12	73.3	0.22	5.20	9.20
KAR22			40	17.47	76.9	0.37	5.00	10.30
KAR22			50	16.52	82.0	0.52	4.70	11.50
KAR22			63	11.63	83.3	0.81	4.30	13.00
KAR22			80	7.96	86.1	1.18	3.70	14.80
KAR22			100	5.90	90.8	1.84	3.00	16.80
KAR22			125	-2.76	89.3	2.80	1.80	18.80
KAR22			160	-9.67	90.6	4.21	0.00	21.10
KAR22			200	-14.41	91.9	6.05	0.00	22.80
KAR23	7 916	7 919						
KAR23			20	23.43	63.9	0.00	5.60	7.60
KAR23			25	20.47	67.8	0.16	5.40	8.30
KAR23			32	19.49	73.3	0.24	5.20	9.20
KAR23			40	16.83	76.9	0.40	5.00	10.30
KAR23			50	15.87	82.0	0.55	4.70	11.50
KAR23			63	10.96	83.3	0.87	4.30	13.00
KAR23			80	7.26	86.1	1.27	3.70	14.80
KAR23			100	5.15	90.8	1.98	3.00	16.80
KAR23			125	-3.58	89.3	3.01	1.80	18.80
KAR23			160	-10.59	90.6	4.51	0.00	21.10
KAR23			200	-15.47	91.9	6.49	0.00	22.80
KAR24	4 217	4 221						
KAR24			20	28.89	63.9	0.00	5.60	7.60
KAR24			25	26.01	67.8	0.08	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR24			32	25.06	73.3	0.13	5.20	9.20
KAR24			40	22.48	76.9	0.21	5.00	10.30
KAR24			50	21.60	82.0	0.30	4.70	11.50
KAR24			63	16.83	83.3	0.46	4.30	13.00
KAR24			80	13.32	86.1	0.68	3.70	14.80
KAR24			100	11.54	90.8	1.06	3.00	16.80
KAR24			125	3.29	89.3	1.60	1.80	18.80
KAR24			160	-3.02	90.6	2.41	0.00	21.10
KAR24			200	-6.97	91.9	3.46	0.00	22.80
KAR25	3 573	3 578						
KAR25			20	30.33	63.9	0.00	5.60	7.60
KAR25			25	27.46	67.8	0.07	5.40	8.30
KAR25			32	26.52	73.3	0.11	5.20	9.20
KAR25			40	23.95	76.9	0.18	5.00	10.30
KAR25			50	23.08	82.0	0.25	4.70	11.50
KAR25			63	18.33	83.3	0.39	4.30	13.00
KAR25			80	14.86	86.1	0.57	3.70	14.80
KAR25			100	13.13	90.8	0.89	3.00	16.80
KAR25			125	4.97	89.3	1.36	1.80	18.80
KAR25			160	-1.21	90.6	2.04	0.00	21.10
KAR25			200	-5.01	91.9	2.93	0.00	22.80
MAA01	1 624	1 630						
MAA01			20	37.15	63.9	0.00	5.60	7.60
MAA01			25	34.32	67.8	0.03	5.40	8.30
MAA01			32	33.41	73.3	0.05	5.20	9.20
MAA01			40	30.87	76.9	0.08	5.00	10.30
MAA01			50	30.04	82.0	0.11	4.70	11.50
MAA01			63	25.38	83.3	0.18	4.30	13.00
MAA01			80	21.99	86.1	0.26	3.70	14.80
MAA01			100	20.45	90.8	0.41	3.00	16.80
MAA01			125	12.53	89.3	0.62	1.80	18.80
MAA01			160	6.73	90.6	0.93	0.00	21.10
MAA01			200	3.42	91.9	1.34	0.00	22.80
MAA03	2 192	2 197						
MAA03			20	34.56	63.9	0.00	5.60	7.60
MAA03			25	31.72	67.8	0.04	5.40	8.30
MAA03			32	30.80	73.3	0.07	5.20	9.20
MAA03			40	28.26	76.9	0.11	5.00	10.30
MAA03			50	27.41	82.0	0.15	4.70	11.50
MAA03			63	22.72	83.3	0.24	4.30	13.00
MAA03			80	19.31	86.1	0.35	3.70	14.80
MAA03			100	17.72	90.8	0.55	3.00	16.80
MAA03			125	9.73	89.3	0.83	1.80	18.80
MAA03			160	3.81	90.6	1.25	0.00	21.10
MAA03			200	0.36	91.9	1.80	0.00	22.80
MAA04	2 309	2 314						
MAA04			20	34.11	63.9	0.00	5.60	7.60
MAA04			25	31.27	67.8	0.05	5.40	8.30
MAA04			32	30.34	73.3	0.07	5.20	9.20
MAA04			40	27.80	76.9	0.12	5.00	10.30
MAA04			50	26.95	82.0	0.16	4.70	11.50
MAA04			63	22.26	83.3	0.25	4.30	13.00
MAA04			80	18.84	86.1	0.37	3.70	14.80
MAA04			100	17.23	90.8	0.58	3.00	16.80
MAA04			125	9.23	89.3	0.88	1.80	18.80
MAA04			160	3.29	90.6	1.32	0.00	21.10
MAA04			200	-0.18	91.9	1.90	0.00	22.80
MAA05	2 764	2 768						
MAA05			20	32.56	63.9	0.00	5.60	7.60
MAA05			25	29.70	67.8	0.06	5.40	8.30
MAA05			32	28.77	73.3	0.08	5.20	9.20
MAA05			40	26.22	76.9	0.14	5.00	10.30
MAA05			50	25.36	82.0	0.19	4.70	11.50
MAA05			63	20.65	83.3	0.30	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			80	17.21	86.1	0.44	3.70	14.80
MAA05			100	15.56	90.8	0.69	3.00	16.80
MAA05			125	7.50	89.3	1.05	1.80	18.80
MAA05			160	1.48	90.6	1.58	0.00	21.10
MAA05			200	-2.11	91.9	2.27	0.00	22.80
MAA06	3 692	3 695						
MAA06			20	30.05	63.9	0.00	5.60	7.60
MAA06			25	27.17	67.8	0.07	5.40	8.30
MAA06			32	26.24	73.3	0.11	5.20	9.20
MAA06			40	23.66	76.9	0.18	5.00	10.30
MAA06			50	22.79	82.0	0.26	4.70	11.50
MAA06			63	18.04	83.3	0.41	4.30	13.00
MAA06			80	14.56	86.1	0.59	3.70	14.80
MAA06			100	12.82	90.8	0.92	3.00	16.80
MAA06			125	4.64	89.3	1.40	1.80	18.80
MAA06			160	-1.56	90.6	2.11	0.00	21.10
MAA06			200	-5.38	91.9	3.03	0.00	22.80
MAA07	4 063	4 066						
MAA07			20	29.22	63.9	0.00	5.60	7.60
MAA07			25	26.34	67.8	0.08	5.40	8.30
MAA07			32	25.39	73.3	0.12	5.20	9.20
MAA07			40	22.81	76.9	0.20	5.00	10.30
MAA07			50	21.93	82.0	0.28	4.70	11.50
MAA07			63	17.17	83.3	0.45	4.30	13.00
MAA07			80	13.67	86.1	0.65	3.70	14.80
MAA07			100	11.90	90.8	1.02	3.00	16.80
MAA07			125	3.67	89.3	1.55	1.80	18.80
MAA07			160	-2.60	90.6	2.32	0.00	21.10
MAA07			200	-6.52	91.9	3.33	0.00	22.80
MAA08	4 341	4 344						
MAA08			20	28.64	63.9	0.00	5.60	7.60
MAA08			25	25.76	67.8	0.09	5.40	8.30
MAA08			32	24.81	73.3	0.13	5.20	9.20
MAA08			40	22.23	76.9	0.22	5.00	10.30
MAA08			50	21.34	82.0	0.30	4.70	11.50
MAA08			63	16.57	83.3	0.48	4.30	13.00
MAA08			80	13.05	86.1	0.69	3.70	14.80
MAA08			100	11.26	90.8	1.09	3.00	16.80
MAA08			125	2.99	89.3	1.65	1.80	18.80
MAA08			160	-3.33	90.6	2.48	0.00	21.10
MAA08			200	-7.32	91.9	3.56	0.00	22.80
RAH01	2 976	2 980						
RAH01			20	30.07	62.0	0.00	5.60	7.60
RAH01			25	28.51	67.2	0.06	5.40	8.30
RAH01			32	26.88	72.0	0.09	5.20	9.20
RAH01			40	25.49	76.8	0.15	5.00	10.30
RAH01			50	23.93	81.2	0.21	4.70	11.50
RAH01			63	21.71	85.0	0.33	4.30	13.00
RAH01			80	18.76	88.3	0.48	3.70	14.80
RAH01			100	15.17	91.1	0.74	3.00	16.80
RAH01			125	10.78	93.3	1.13	1.80	18.80
RAH01			160	5.09	95.0	1.70	0.00	21.10
RAH01			200	1.27	96.1	2.44	0.00	22.80
RAH02	3 196	3 200						
RAH02			20	29.45	62.0	0.00	5.60	7.60
RAH02			25	27.88	67.2	0.06	5.40	8.30
RAH02			32	26.25	72.0	0.10	5.20	9.20
RAH02			40	24.86	76.8	0.16	5.00	10.30
RAH02			50	23.30	81.2	0.22	4.70	11.50
RAH02			63	21.07	85.0	0.35	4.30	13.00
RAH02			80	18.11	88.3	0.51	3.70	14.80
RAH02			100	14.50	91.1	0.80	3.00	16.80
RAH02			125	10.08	93.3	1.22	1.80	18.80
RAH02			160	4.35	95.0	1.82	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH02			200	0.47	96.1	2.62	0.00	22.80
RAH03	2 438	2 443						
RAH03			20	31.79	62.0	0.00	5.60	7.60
RAH03			25	30.24	67.2	0.05	5.40	8.30
RAH03			32	28.62	72.0	0.07	5.20	9.20
RAH03			40	27.24	76.8	0.12	5.00	10.30
RAH03			50	25.69	81.2	0.17	4.70	11.50
RAH03			63	23.50	85.0	0.27	4.30	13.00
RAH03			80	20.57	88.3	0.39	3.70	14.80
RAH03			100	17.03	91.1	0.61	3.00	16.80
RAH03			125	12.71	93.3	0.93	1.80	18.80
RAH03			160	7.12	95.0	1.39	0.00	21.10
RAH03			200	3.44	96.1	2.00	0.00	22.80
RAH04	3 395	3 398						
RAH04			20	28.92	62.0	0.00	5.60	7.60
RAH04			25	27.35	67.2	0.07	5.40	8.30
RAH04			32	25.72	72.0	0.10	5.20	9.20
RAH04			40	24.33	76.8	0.17	5.00	10.30
RAH04			50	22.76	81.2	0.24	4.70	11.50
RAH04			63	20.52	85.0	0.37	4.30	13.00
RAH04			80	17.56	88.3	0.54	3.70	14.80
RAH04			100	13.92	91.1	0.85	3.00	16.80
RAH04			125	9.48	93.3	1.29	1.80	18.80
RAH04			160	3.71	95.0	1.94	0.00	21.10
RAH04			200	-0.21	96.1	2.79	0.00	22.80
RAH05	2 618	2 623						
RAH05			20	31.17	62.0	0.00	5.60	7.60
RAH05			25	29.62	67.2	0.05	5.40	8.30
RAH05			32	27.99	72.0	0.08	5.20	9.20
RAH05			40	26.62	76.8	0.13	5.00	10.30
RAH05			50	25.06	81.2	0.18	4.70	11.50
RAH05			63	22.86	85.0	0.29	4.30	13.00
RAH05			80	19.93	88.3	0.42	3.70	14.80
RAH05			100	16.37	91.1	0.66	3.00	16.80
RAH05			125	12.03	93.3	1.00	1.80	18.80
RAH05			160	6.41	95.0	1.50	0.00	21.10
RAH05			200	2.67	96.1	2.15	0.00	22.80
RAH06	3 113	3 117						
RAH06			20	29.67	62.0	0.00	5.60	7.60
RAH06			25	28.11	67.2	0.06	5.40	8.30
RAH06			32	26.48	72.0	0.09	5.20	9.20
RAH06			40	25.09	76.8	0.16	5.00	10.30
RAH06			50	23.53	81.2	0.22	4.70	11.50
RAH06			63	21.31	85.0	0.34	4.30	13.00
RAH06			80	18.35	88.3	0.50	3.70	14.80
RAH06			100	14.75	91.1	0.78	3.00	16.80
RAH06			125	10.34	93.3	1.18	1.80	18.80
RAH06			160	4.62	95.0	1.78	0.00	21.10
RAH06			200	0.77	96.1	2.56	0.00	22.80
RAH07	4 797	4 800						
RAH07			20	25.92	62.0	0.00	5.60	7.60
RAH07			25	24.33	67.2	0.10	5.40	8.30
RAH07			32	22.68	72.0	0.14	5.20	9.20
RAH07			40	21.26	76.8	0.24	5.00	10.30
RAH07			50	19.66	81.2	0.34	4.70	11.50
RAH07			63	17.37	85.0	0.53	4.30	13.00
RAH07			80	14.33	88.3	0.77	3.70	14.80
RAH07			100	10.58	91.1	1.20	3.00	16.80
RAH07			125	5.95	93.3	1.82	1.80	18.80
RAH07			160	-0.09	95.0	2.74	0.00	21.10
RAH07			200	-4.36	96.1	3.94	0.00	22.80
RAH08	4 753	4 756						
RAH08			20	26.00	62.0	0.00	5.60	7.60
RAH08			25	24.41	67.2	0.10	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH08			32	22.76	72.0	0.14	5.20	9.20
RAH08			40	21.34	76.8	0.24	5.00	10.30
RAH08			50	19.75	81.2	0.33	4.70	11.50
RAH08			63	17.46	85.0	0.52	4.30	13.00
RAH08			80	14.42	88.3	0.76	3.70	14.80
RAH08			100	10.67	91.1	1.19	3.00	16.80
RAH08			125	6.05	93.3	1.81	1.80	18.80
RAH08			160	0.02	95.0	2.71	0.00	21.10
RAH08			200	-4.24	96.1	3.90	0.00	22.80
RAH09	4 019	4 022						
RAH09			20	27.46	62.0	0.00	5.60	7.60
RAH09			25	25.88	67.2	0.08	5.40	8.30
RAH09			32	24.24	72.0	0.12	5.20	9.20
RAH09			40	22.83	76.8	0.20	5.00	10.30
RAH09			50	21.25	81.2	0.28	4.70	11.50
RAH09			63	18.99	85.0	0.44	4.30	13.00
RAH09			80	15.99	88.3	0.64	3.70	14.80
RAH09			100	12.31	91.1	1.01	3.00	16.80
RAH09			125	7.78	93.3	1.53	1.80	18.80
RAH09			160	1.90	95.0	2.29	0.00	21.10
RAH09			200	-2.19	96.1	3.30	0.00	22.80
RAH10	4 238	4 240						
RAH10			20	27.00	62.0	0.00	5.60	7.60
RAH10			25	25.42	67.2	0.08	5.40	8.30
RAH10			32	23.77	72.0	0.13	5.20	9.20
RAH10			40	22.36	76.8	0.21	5.00	10.30
RAH10			50	20.78	81.2	0.30	4.70	11.50
RAH10			63	18.51	85.0	0.47	4.30	13.00
RAH10			80	15.50	88.3	0.68	3.70	14.80
RAH10			100	11.79	91.1	1.06	3.00	16.80
RAH10			125	7.24	93.3	1.61	1.80	18.80
RAH10			160	1.31	95.0	2.42	0.00	21.10
RAH10			200	-2.83	96.1	3.48	0.00	22.80
RAH11	2 452	2 457						
RAH11			20	31.74	62.0	0.00	5.60	7.60
RAH11			25	30.19	67.2	0.05	5.40	8.30
RAH11			32	28.57	72.0	0.07	5.20	9.20
RAH11			40	27.19	76.8	0.12	5.00	10.30
RAH11			50	25.64	81.2	0.17	4.70	11.50
RAH11			63	23.44	85.0	0.27	4.30	13.00
RAH11			80	20.52	88.3	0.39	3.70	14.80
RAH11			100	16.98	91.1	0.61	3.00	16.80
RAH11			125	12.66	93.3	0.93	1.80	18.80
RAH11			160	7.07	95.0	1.40	0.00	21.10
RAH11			200	3.38	96.1	2.01	0.00	22.80
RAH12	3 146	3 150						
RAH12			20	29.58	62.0	0.00	5.60	7.60
RAH12			25	28.02	67.2	0.06	5.40	8.30
RAH12			32	26.39	72.0	0.09	5.20	9.20
RAH12			40	25.00	76.8	0.16	5.00	10.30
RAH12			50	23.44	81.2	0.22	4.70	11.50
RAH12			63	21.21	85.0	0.35	4.30	13.00
RAH12			80	18.25	88.3	0.50	3.70	14.80
RAH12			100	14.65	91.1	0.79	3.00	16.80
RAH12			125	10.24	93.3	1.20	1.80	18.80
RAH12			160	4.51	95.0	1.80	0.00	21.10
RAH12			200	0.65	96.1	2.58	0.00	22.80
RAH13	2 951	2 955						
RAH13			20	30.14	62.0	0.00	5.60	7.60
RAH13			25	28.58	67.2	0.06	5.40	8.30
RAH13			32	26.95	72.0	0.09	5.20	9.20
RAH13			40	25.57	76.8	0.15	5.00	10.30
RAH13			50	24.01	81.2	0.21	4.70	11.50
RAH13			63	21.79	85.0	0.33	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			80	18.84	88.3	0.47	3.70	14.80
RAH13			100	15.25	91.1	0.74	3.00	16.80
RAH13			125	10.87	93.3	1.12	1.80	18.80
RAH13			160	5.18	95.0	1.68	0.00	21.10
RAH13			200	1.37	96.1	2.42	0.00	22.80
RAH14	2 296	2 301						
RAH14			20	32.31	62.0	0.00	5.60	7.60
RAH14			25	30.76	67.2	0.05	5.40	8.30
RAH14			32	29.14	72.0	0.07	5.20	9.20
RAH14			40	27.77	76.8	0.12	5.00	10.30
RAH14			50	26.22	81.2	0.16	4.70	11.50
RAH14			63	24.03	85.0	0.25	4.30	13.00
RAH14			80	21.12	88.3	0.37	3.70	14.80
RAH14			100	17.58	91.1	0.58	3.00	16.80
RAH14			125	13.29	93.3	0.87	1.80	18.80
RAH14			160	7.72	95.0	1.31	0.00	21.10
RAH14			200	4.07	96.1	1.89	0.00	22.80
RAH15	3 108	3 113						
RAH15			20	29.69	62.0	0.00	5.60	7.60
RAH15			25	28.12	67.2	0.06	5.40	8.30
RAH15			32	26.49	72.0	0.09	5.20	9.20
RAH15			40	25.11	76.8	0.16	5.00	10.30
RAH15			50	23.54	81.2	0.22	4.70	11.50
RAH15			63	21.32	85.0	0.34	4.30	13.00
RAH15			80	18.36	88.3	0.50	3.70	14.80
RAH15			100	14.76	91.1	0.78	3.00	16.80
RAH15			125	10.35	93.3	1.18	1.80	18.80
RAH15			160	4.64	95.0	1.77	0.00	21.10
RAH15			200	0.78	96.1	2.55	0.00	22.80
RAH16	3 737	3 740						
RAH16			20	28.09	62.0	0.00	5.60	7.60
RAH16			25	26.52	67.2	0.07	5.40	8.30
RAH16			32	24.88	72.0	0.11	5.20	9.20
RAH16			40	23.48	76.8	0.19	5.00	10.30
RAH16			50	21.91	81.2	0.26	4.70	11.50
RAH16			63	19.66	85.0	0.41	4.30	13.00
RAH16			80	16.67	88.3	0.60	3.70	14.80
RAH16			100	13.01	91.1	0.93	3.00	16.80
RAH16			125	8.52	93.3	1.42	1.80	18.80
RAH16			160	2.69	95.0	2.13	0.00	21.10
RAH16			200	-1.32	96.1	3.07	0.00	22.80
RAH17	2 248	2 255						
RAH17			20	32.49	62.0	0.00	5.60	7.60
RAH17			25	30.94	67.2	0.05	5.40	8.30
RAH17			32	29.32	72.0	0.07	5.20	9.20
RAH17			40	27.95	76.8	0.11	5.00	10.30
RAH17			50	26.40	81.2	0.16	4.70	11.50
RAH17			63	24.21	85.0	0.25	4.30	13.00
RAH17			80	21.30	88.3	0.36	3.70	14.80
RAH17			100	17.77	91.1	0.56	3.00	16.80
RAH17			125	13.48	93.3	0.86	1.80	18.80
RAH17			160	7.93	95.0	1.29	0.00	21.10
RAH17			200	4.29	96.1	1.85	0.00	22.80
RAH18	2 815	2 821						
RAH18			20	30.54	62.0	0.00	5.60	7.60
RAH18			25	28.98	67.2	0.06	5.40	8.30
RAH18			32	27.36	72.0	0.08	5.20	9.20
RAH18			40	25.98	76.8	0.14	5.00	10.30
RAH18			50	24.42	81.2	0.20	4.70	11.50
RAH18			63	22.21	85.0	0.31	4.30	13.00
RAH18			80	19.27	88.3	0.45	3.70	14.80
RAH18			100	15.69	91.1	0.71	3.00	16.80
RAH18			125	11.32	93.3	1.07	1.80	18.80
RAH18			160	5.66	95.0	1.61	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH18			200	1.88	96.1	2.31	0.00	22.80
RAH19	2 958	2 963						
RAH19			20	30.11	62.0	0.00	5.60	7.60
RAH19			25	28.55	67.2	0.06	5.40	8.30
RAH19			32	26.92	72.0	0.09	5.20	9.20
RAH19			40	25.54	76.8	0.15	5.00	10.30
RAH19			50	23.98	81.2	0.21	4.70	11.50
RAH19			63	21.76	85.0	0.33	4.30	13.00
RAH19			80	18.82	88.3	0.47	3.70	14.80
RAH19			100	15.22	91.1	0.74	3.00	16.80
RAH19			125	10.84	93.3	1.13	1.80	18.80
RAH19			160	5.15	95.0	1.69	0.00	21.10
RAH19			200	1.34	96.1	2.43	0.00	22.80
SIL01	8 837	8 839						
SIL01			20	21.90	63.3	0.00	5.60	7.60
SIL01			25	20.11	68.4	0.18	5.40	8.30
SIL01			32	14.14	68.9	0.27	5.20	9.20
SIL01			40	11.05	72.1	0.44	5.00	10.30
SIL01			50	9.68	76.8	0.62	4.70	11.50
SIL01			63	6.41	79.8	0.97	4.30	13.00
SIL01			80	2.67	82.6	1.41	3.70	14.80
SIL01			100	-0.81	86.0	2.21	3.00	16.80
SIL01			125	-4.90	89.3	3.36	1.80	18.80
SIL01			160	-14.48	88.2	5.04	0.00	21.10
SIL01			200	-19.09	90.0	7.25	0.00	22.80
SIL02	8 368	8 370						
SIL02			20	22.37	63.3	0.00	5.60	7.60
SIL02			25	20.60	68.4	0.17	5.40	8.30
SIL02			32	14.62	68.9	0.25	5.20	9.20
SIL02			40	11.55	72.1	0.42	5.00	10.30
SIL02			50	10.18	76.8	0.59	4.70	11.50
SIL02			63	6.93	79.8	0.92	4.30	13.00
SIL02			80	3.22	82.6	1.34	3.70	14.80
SIL02			100	-0.22	86.0	2.09	3.00	16.80
SIL02			125	-4.25	89.3	3.18	1.80	18.80
SIL02			160	-13.74	88.2	4.77	0.00	21.10
SIL02			200	-18.23	90.0	6.86	0.00	22.80
SIL03	7 765	7 767						
SIL03			20	23.02	63.3	0.00	5.60	7.60
SIL03			25	21.26	68.4	0.16	5.40	8.30
SIL03			32	15.29	68.9	0.23	5.20	9.20
SIL03			40	12.23	72.1	0.39	5.00	10.30
SIL03			50	10.88	76.8	0.54	4.70	11.50
SIL03			63	7.65	79.8	0.85	4.30	13.00
SIL03			80	3.96	82.6	1.24	3.70	14.80
SIL03			100	0.58	86.0	1.94	3.00	16.80
SIL03			125	-3.37	89.3	2.95	1.80	18.80
SIL03			160	-12.75	88.2	4.43	0.00	21.10
SIL03			200	-17.08	90.0	6.37	0.00	22.80
SIL04	7 729	7 731						
SIL04			20	23.06	63.3	0.00	5.60	7.60
SIL04			25	21.30	68.4	0.15	5.40	8.30
SIL04			32	15.33	68.9	0.23	5.20	9.20
SIL04			40	12.27	72.1	0.39	5.00	10.30
SIL04			50	10.92	76.8	0.54	4.70	11.50
SIL04			63	7.69	79.8	0.85	4.30	13.00
SIL04			80	4.01	82.6	1.24	3.70	14.80
SIL04			100	0.63	86.0	1.93	3.00	16.80
SIL04			125	-3.31	89.3	2.94	1.80	18.80
SIL04			160	-12.69	88.2	4.41	0.00	21.10
SIL04			200	-17.02	90.0	6.34	0.00	22.80
SIL05	8 558	8 560						
SIL05			20	22.17	63.3	0.00	5.60	7.60
SIL05			25	20.40	68.4	0.17	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL05			32	14.42	68.9	0.26	5.20	9.20
SIL05			40	11.35	72.1	0.43	5.00	10.30
SIL05			50	9.98	76.8	0.60	4.70	11.50
SIL05			63	6.72	79.8	0.94	4.30	13.00
SIL05			80	2.99	82.6	1.37	3.70	14.80
SIL05			100	-0.46	86.0	2.14	3.00	16.80
SIL05			125	-4.51	89.3	3.25	1.80	18.80
SIL05			160	-14.05	88.2	4.88	0.00	21.10
SIL05			200	-18.58	90.0	7.02	0.00	22.80
SIL06	8 202	8 203						
SIL06			20	22.54	63.3	0.00	5.60	7.60
SIL06			25	20.77	68.4	0.16	5.40	8.30
SIL06			32	14.80	68.9	0.25	5.20	9.20
SIL06			40	11.73	72.1	0.41	5.00	10.30
SIL06			50	10.37	76.8	0.57	4.70	11.50
SIL06			63	7.12	79.8	0.90	4.30	13.00
SIL06			80	3.42	82.6	1.31	3.70	14.80
SIL06			100	0.00	86.0	2.05	3.00	16.80
SIL06			125	-4.01	89.3	3.12	1.80	18.80
SIL06			160	-13.47	88.2	4.68	0.00	21.10
SIL06			200	-17.92	90.0	6.73	0.00	22.80
SIL07	7 634	7 636						
SIL07			20	23.17	63.3	0.00	5.60	7.60
SIL07			25	21.41	68.4	0.15	5.40	8.30
SIL07			32	15.44	68.9	0.23	5.20	9.20
SIL07			40	12.38	72.1	0.38	5.00	10.30
SIL07			50	11.03	76.8	0.53	4.70	11.50
SIL07			63	7.81	79.8	0.84	4.30	13.00
SIL07			80	4.13	82.6	1.22	3.70	14.80
SIL07			100	0.76	86.0	1.91	3.00	16.80
SIL07			125	-3.17	89.3	2.90	1.80	18.80
SIL07			160	-12.53	88.2	4.35	0.00	21.10
SIL07			200	-16.83	90.0	6.26	0.00	22.80
SIL08	7 966	7 968						
SIL08			20	22.80	63.3	0.00	5.60	7.60
SIL08			25	21.03	68.4	0.16	5.40	8.30
SIL08			32	15.06	68.9	0.24	5.20	9.20
SIL08			40	12.00	72.1	0.40	5.00	10.30
SIL08			50	10.64	76.8	0.56	4.70	11.50
SIL08			63	7.40	79.8	0.88	4.30	13.00
SIL08			80	3.71	82.6	1.27	3.70	14.80
SIL08			100	0.31	86.0	1.99	3.00	16.80
SIL08			125	-3.67	89.3	3.03	1.80	18.80
SIL08			160	-13.09	88.2	4.54	0.00	21.10
SIL08			200	-17.47	90.0	6.53	0.00	22.80
Sum								
Sum			20	46.76				
Sum			25	44.49				
Sum			32	43.13				
Sum			40	41.12				
Sum			50	39.90				
Sum			63	36.54				
Sum			80	33.40				
Sum			100	30.56				
Sum			125	24.86				
Sum			160	19.04				
Sum			200	15.27				

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Noise sensitive area: U Noise sensitive point: Finnish normal frequency - User defined (50)

Wind speed: 8.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 999	4 004						
KAR01			20	29.35	63.9	0.00	5.60	7.60
KAR01			25	26.47	67.8	0.08	5.40	8.30
KAR01			32	25.53	73.3	0.12	5.20	9.20
KAR01			40	22.95	76.9	0.20	5.00	10.30
KAR01			50	22.07	82.0	0.28	4.70	11.50
KAR01			63	17.31	83.3	0.44	4.30	13.00
KAR01			80	13.81	86.1	0.64	3.70	14.80
KAR01			100	12.05	90.8	1.00	3.00	16.80
KAR01			125	3.83	89.3	1.52	1.80	18.80
KAR01			160	-2.43	90.6	2.28	0.00	21.10
KAR01			200	-6.33	91.9	3.28	0.00	22.80
KAR02	3 852	3 856						
KAR02			20	29.68	63.9	0.00	5.60	7.60
KAR02			25	26.80	67.8	0.08	5.40	8.30
KAR02			32	25.86	73.3	0.12	5.20	9.20
KAR02			40	23.28	76.9	0.19	5.00	10.30
KAR02			50	22.41	82.0	0.27	4.70	11.50
KAR02			63	17.65	83.3	0.42	4.30	13.00
KAR02			80	14.16	86.1	0.62	3.70	14.80
KAR02			100	12.41	90.8	0.96	3.00	16.80
KAR02			125	4.21	89.3	1.47	1.80	18.80
KAR02			160	-2.02	90.6	2.20	0.00	21.10
KAR02			200	-5.89	91.9	3.16	0.00	22.80
KAR03	4 227	4 231						
KAR03			20	28.87	63.9	0.00	5.60	7.60
KAR03			25	25.99	67.8	0.08	5.40	8.30
KAR03			32	25.04	73.3	0.13	5.20	9.20
KAR03			40	22.46	76.9	0.21	5.00	10.30
KAR03			50	21.57	82.0	0.30	4.70	11.50
KAR03			63	16.81	83.3	0.47	4.30	13.00
KAR03			80	13.29	86.1	0.68	3.70	14.80
KAR03			100	11.51	90.8	1.06	3.00	16.80
KAR03			125	3.26	89.3	1.61	1.80	18.80
KAR03			160	-3.04	90.6	2.41	0.00	21.10
KAR03			200	-7.00	91.9	3.47	0.00	22.80
KAR04	4 795	4 799						
KAR04			20	27.78	63.9	0.00	5.60	7.60
KAR04			25	24.88	67.8	0.10	5.40	8.30
KAR04			32	23.93	73.3	0.14	5.20	9.20
KAR04			40	21.34	76.9	0.24	5.00	10.30
KAR04			50	20.44	82.0	0.34	4.70	11.50
KAR04			63	15.65	83.3	0.53	4.30	13.00
KAR04			80	12.11	86.1	0.77	3.70	14.80
KAR04			100	10.28	90.8	1.20	3.00	16.80
KAR04			125	1.95	89.3	1.82	1.80	18.80
KAR04			160	-4.46	90.6	2.74	0.00	21.10
KAR04			200	-8.56	91.9	3.94	0.00	22.80
KAR05	5 361	5 365						
KAR05			20	26.81	63.9	0.00	5.60	7.60
KAR05			25	23.90	67.8	0.11	5.40	8.30
KAR05			32	22.95	73.3	0.16	5.20	9.20
KAR05			40	20.34	76.9	0.27	5.00	10.30
KAR05			50	19.43	82.0	0.38	4.70	11.50
KAR05			63	14.62	83.3	0.59	4.30	13.00
KAR05			80	11.05	86.1	0.86	3.70	14.80
KAR05			100	9.17	90.8	1.34	3.00	16.80
KAR05			125	0.77	89.3	2.04	1.80	18.80
KAR05			160	-5.75	90.6	3.06	0.00	21.10
KAR05			200	-9.99	91.9	4.40	0.00	22.80
KAR06	4 764	4 768						
KAR06			20	27.83	63.9	0.00	5.60	7.60
KAR06			25	24.94	67.8	0.10	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			32	23.99	73.3	0.14	5.20	9.20
KAR06			40	21.40	76.9	0.24	5.00	10.30
KAR06			50	20.50	82.0	0.33	4.70	11.50
KAR06			63	15.71	83.3	0.52	4.30	13.00
KAR06			80	12.17	86.1	0.76	3.70	14.80
KAR06			100	10.34	90.8	1.19	3.00	16.80
KAR06			125	2.02	89.3	1.81	1.80	18.80
KAR06			160	-4.38	90.6	2.72	0.00	21.10
KAR06			200	-8.48	91.9	3.91	0.00	22.80
KAR07	4 615	4 618						
KAR07			20	28.11	63.9	0.00	5.60	7.60
KAR07			25	25.22	67.8	0.09	5.40	8.30
KAR07			32	24.27	73.3	0.14	5.20	9.20
KAR07			40	21.68	76.9	0.23	5.00	10.30
KAR07			50	20.79	82.0	0.32	4.70	11.50
KAR07			63	16.00	83.3	0.51	4.30	13.00
KAR07			80	12.47	86.1	0.74	3.70	14.80
KAR07			100	10.66	90.8	1.15	3.00	16.80
KAR07			125	2.36	89.3	1.75	1.80	18.80
KAR07			160	-4.02	90.6	2.63	0.00	21.10
KAR07			200	-8.08	91.9	3.79	0.00	22.80
KAR08	4 661	4 665						
KAR08			20	28.02	63.9	0.00	5.60	7.60
KAR08			25	25.13	67.8	0.09	5.40	8.30
KAR08			32	24.18	73.3	0.14	5.20	9.20
KAR08			40	21.59	76.9	0.23	5.00	10.30
KAR08			50	20.70	82.0	0.33	4.70	11.50
KAR08			63	15.91	83.3	0.51	4.30	13.00
KAR08			80	12.38	86.1	0.75	3.70	14.80
KAR08			100	10.56	90.8	1.17	3.00	16.80
KAR08			125	2.25	89.3	1.77	1.80	18.80
KAR08			160	-4.14	90.6	2.66	0.00	21.10
KAR08			200	-8.20	91.9	3.83	0.00	22.80
KAR09	5 824	5 827						
KAR09			20	26.09	63.9	0.00	5.60	7.60
KAR09			25	23.17	67.8	0.12	5.40	8.30
KAR09			32	22.22	73.3	0.17	5.20	9.20
KAR09			40	19.60	76.9	0.29	5.00	10.30
KAR09			50	18.68	82.0	0.41	4.70	11.50
KAR09			63	13.85	83.3	0.64	4.30	13.00
KAR09			80	10.26	86.1	0.93	3.70	14.80
KAR09			100	8.33	90.8	1.46	3.00	16.80
KAR09			125	-0.12	89.3	2.21	1.80	18.80
KAR09			160	-6.73	90.6	3.32	0.00	21.10
KAR09			200	-11.09	91.9	4.78	0.00	22.80
KAR10	5 493	5 496						
KAR10			20	26.60	63.9	0.00	5.60	7.60
KAR10			25	23.69	67.8	0.11	5.40	8.30
KAR10			32	22.73	73.3	0.16	5.20	9.20
KAR10			40	20.12	76.9	0.27	5.00	10.30
KAR10			50	19.21	82.0	0.38	4.70	11.50
KAR10			63	14.39	83.3	0.60	4.30	13.00
KAR10			80	10.82	86.1	0.88	3.70	14.80
KAR10			100	8.92	90.8	1.37	3.00	16.80
KAR10			125	0.51	89.3	2.09	1.80	18.80
KAR10			160	-6.03	90.6	3.13	0.00	21.10
KAR10			200	-10.31	91.9	4.51	0.00	22.80
KAR11	5 274	5 277						
KAR11			20	26.95	63.9	0.00	5.60	7.60
KAR11			25	24.05	67.8	0.11	5.40	8.30
KAR11			32	23.09	73.3	0.16	5.20	9.20
KAR11			40	20.49	76.9	0.26	5.00	10.30
KAR11			50	19.58	82.0	0.37	4.70	11.50
KAR11			63	14.77	83.3	0.58	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			80	11.21	86.1	0.84	3.70	14.80
KAR11			100	9.33	90.8	1.32	3.00	16.80
KAR11			125	0.95	89.3	2.01	1.80	18.80
KAR11			160	-5.56	90.6	3.01	0.00	21.10
KAR11			200	-9.78	91.9	4.33	0.00	22.80
KAR12	5 996	5 999						
KAR12			20	25.84	63.9	0.00	5.60	7.60
KAR12			25	22.92	67.8	0.12	5.40	8.30
KAR12			32	21.96	73.3	0.18	5.20	9.20
KAR12			40	19.34	76.9	0.30	5.00	10.30
KAR12			50	18.42	82.0	0.42	4.70	11.50
KAR12			63	13.58	83.3	0.66	4.30	13.00
KAR12			80	9.98	86.1	0.96	3.70	14.80
KAR12			100	8.04	90.8	1.50	3.00	16.80
KAR12			125	-0.44	89.3	2.28	1.80	18.80
KAR12			160	-7.08	90.6	3.42	0.00	21.10
KAR12			200	-11.48	91.9	4.92	0.00	22.80
KAR13	5 651	5 654						
KAR13			20	26.35	63.9	0.00	5.60	7.60
KAR13			25	23.44	67.8	0.11	5.40	8.30
KAR13			32	22.48	73.3	0.17	5.20	9.20
KAR13			40	19.87	76.9	0.28	5.00	10.30
KAR13			50	18.96	82.0	0.40	4.70	11.50
KAR13			63	14.13	83.3	0.62	4.30	13.00
KAR13			80	10.55	86.1	0.90	3.70	14.80
KAR13			100	8.64	90.8	1.41	3.00	16.80
KAR13			125	0.20	89.3	2.15	1.80	18.80
KAR13			160	-6.37	90.6	3.22	0.00	21.10
KAR13			200	-10.68	91.9	4.64	0.00	22.80
KAR14	6 404	6 407						
KAR14			20	25.27	63.9	0.00	5.60	7.60
KAR14			25	22.34	67.8	0.13	5.40	8.30
KAR14			32	21.37	73.3	0.19	5.20	9.20
KAR14			40	18.75	76.9	0.32	5.00	10.30
KAR14			50	17.82	82.0	0.45	4.70	11.50
KAR14			63	12.96	83.3	0.70	4.30	13.00
KAR14			80	9.34	86.1	1.03	3.70	14.80
KAR14			100	7.36	90.8	1.60	3.00	16.80
KAR14			125	-1.17	89.3	2.43	1.80	18.80
KAR14			160	-7.89	90.6	3.65	0.00	21.10
KAR14			200	-12.39	91.9	5.25	0.00	22.80
KAR15	5 634	5 637						
KAR15			20	26.38	63.9	0.00	5.60	7.60
KAR15			25	23.47	67.8	0.11	5.40	8.30
KAR15			32	22.51	73.3	0.17	5.20	9.20
KAR15			40	19.90	76.9	0.28	5.00	10.30
KAR15			50	18.99	82.0	0.39	4.70	11.50
KAR15			63	14.16	83.3	0.62	4.30	13.00
KAR15			80	10.58	86.1	0.90	3.70	14.80
KAR15			100	8.67	90.8	1.41	3.00	16.80
KAR15			125	0.24	89.3	2.14	1.80	18.80
KAR15			160	-6.33	90.6	3.21	0.00	21.10
KAR15			200	-10.64	91.9	4.62	0.00	22.80
KAR16	6 679	6 682						
KAR16			20	24.90	63.9	0.00	5.60	7.60
KAR16			25	21.97	67.8	0.13	5.40	8.30
KAR16			32	21.00	73.3	0.20	5.20	9.20
KAR16			40	18.37	76.9	0.33	5.00	10.30
KAR16			50	17.43	82.0	0.47	4.70	11.50
KAR16			63	12.57	83.3	0.73	4.30	13.00
KAR16			80	8.93	86.1	1.07	3.70	14.80
KAR16			100	6.93	90.8	1.67	3.00	16.80
KAR16			125	-1.64	89.3	2.54	1.80	18.80
KAR16			160	-8.41	90.6	3.81	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			200	-12.98	91.9	5.48	0.00	22.80
KAR17	6 566	6 569						
KAR17			20	25.05	63.9	0.00	5.60	7.60
KAR17			25	22.12	67.8	0.13	5.40	8.30
KAR17			32	21.15	73.3	0.20	5.20	9.20
KAR17			40	18.52	76.9	0.33	5.00	10.30
KAR17			50	17.59	82.0	0.46	4.70	11.50
KAR17			63	12.73	83.3	0.72	4.30	13.00
KAR17			80	9.10	86.1	1.05	3.70	14.80
KAR17			100	7.11	90.8	1.64	3.00	16.80
KAR17			125	-1.45	89.3	2.50	1.80	18.80
KAR17			160	-8.19	90.6	3.74	0.00	21.10
KAR17			200	-12.74	91.9	5.39	0.00	22.80
KAR18	7 134	7 137						
KAR18			20	24.33	63.9	0.00	5.60	7.60
KAR18			25	21.39	67.8	0.14	5.40	8.30
KAR18			32	20.42	73.3	0.21	5.20	9.20
KAR18			40	17.77	76.9	0.36	5.00	10.30
KAR18			50	16.83	82.0	0.50	4.70	11.50
KAR18			63	11.95	83.3	0.79	4.30	13.00
KAR18			80	8.29	86.1	1.14	3.70	14.80
KAR18			100	6.25	90.8	1.78	3.00	16.80
KAR18			125	-2.38	89.3	2.71	1.80	18.80
KAR18			160	-9.24	90.6	4.07	0.00	21.10
KAR18			200	-13.92	91.9	5.85	0.00	22.80
KAR19	6 379	6 382						
KAR19			20	25.30	63.9	0.00	5.60	7.60
KAR19			25	22.37	67.8	0.13	5.40	8.30
KAR19			32	21.41	73.3	0.19	5.20	9.20
KAR19			40	18.78	76.9	0.32	5.00	10.30
KAR19			50	17.85	82.0	0.45	4.70	11.50
KAR19			63	13.00	83.3	0.70	4.30	13.00
KAR19			80	9.38	86.1	1.02	3.70	14.80
KAR19			100	7.41	90.8	1.60	3.00	16.80
KAR19			125	-1.12	89.3	2.43	1.80	18.80
KAR19			160	-7.84	90.6	3.64	0.00	21.10
KAR19			200	-12.33	91.9	5.23	0.00	22.80
KAR20	7 199	7 202						
KAR20			20	24.25	63.9	0.00	5.60	7.60
KAR20			25	21.31	67.8	0.14	5.40	8.30
KAR20			32	20.34	73.3	0.22	5.20	9.20
KAR20			40	17.69	76.9	0.36	5.00	10.30
KAR20			50	16.75	82.0	0.50	4.70	11.50
KAR20			63	11.86	83.3	0.79	4.30	13.00
KAR20			80	8.20	86.1	1.15	3.70	14.80
KAR20			100	6.15	90.8	1.80	3.00	16.80
KAR20			125	-2.49	89.3	2.74	1.80	18.80
KAR20			160	-9.35	90.6	4.11	0.00	21.10
KAR20			200	-14.05	91.9	5.91	0.00	22.80
KAR21	6 988	6 991						
KAR21			20	24.51	63.9	0.00	5.60	7.60
KAR21			25	21.57	67.8	0.14	5.40	8.30
KAR21			32	20.60	73.3	0.21	5.20	9.20
KAR21			40	17.96	76.9	0.35	5.00	10.30
KAR21			50	17.02	82.0	0.49	4.70	11.50
KAR21			63	12.14	83.3	0.77	4.30	13.00
KAR21			80	8.49	86.1	1.12	3.70	14.80
KAR21			100	6.46	90.8	1.75	3.00	16.80
KAR21			125	-2.15	89.3	2.66	1.80	18.80
KAR21			160	-8.97	90.6	3.98	0.00	21.10
KAR21			200	-13.62	91.9	5.73	0.00	22.80
KAR22	7 045	7 048						
KAR22			20	24.44	63.9	0.00	5.60	7.60
KAR22			25	21.50	67.8	0.14	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			32	20.53	73.3	0.21	5.20	9.20
KAR22			40	17.89	76.9	0.35	5.00	10.30
KAR22			50	16.95	82.0	0.49	4.70	11.50
KAR22			63	12.06	83.3	0.78	4.30	13.00
KAR22			80	8.41	86.1	1.13	3.70	14.80
KAR22			100	6.38	90.8	1.76	3.00	16.80
KAR22			125	-2.24	89.3	2.68	1.80	18.80
KAR22			160	-9.08	90.6	4.02	0.00	21.10
KAR22			200	-13.74	91.9	5.78	0.00	22.80
KAR23	7 606	7 609						
KAR23			20	23.77	63.9	0.00	5.60	7.60
KAR23			25	20.82	67.8	0.15	5.40	8.30
KAR23			32	19.85	73.3	0.23	5.20	9.20
KAR23			40	17.19	76.9	0.38	5.00	10.30
KAR23			50	16.24	82.0	0.53	4.70	11.50
KAR23			63	11.34	83.3	0.84	4.30	13.00
KAR23			80	7.66	86.1	1.22	3.70	14.80
KAR23			100	5.57	90.8	1.90	3.00	16.80
KAR23			125	-3.12	89.3	2.89	1.80	18.80
KAR23			160	-10.06	90.6	4.34	0.00	21.10
KAR23			200	-14.87	91.9	6.24	0.00	22.80
KAR24	4 329	4 333						
KAR24			20	28.66	63.9	0.00	5.60	7.60
KAR24			25	25.78	67.8	0.09	5.40	8.30
KAR24			32	24.83	73.3	0.13	5.20	9.20
KAR24			40	22.25	76.9	0.22	5.00	10.30
KAR24			50	21.36	82.0	0.30	4.70	11.50
KAR24			63	16.59	83.3	0.48	4.30	13.00
KAR24			80	13.07	86.1	0.69	3.70	14.80
KAR24			100	11.28	90.8	1.08	3.00	16.80
KAR24			125	3.02	89.3	1.65	1.80	18.80
KAR24			160	-3.31	90.6	2.47	0.00	21.10
KAR24			200	-7.29	91.9	3.55	0.00	22.80
KAR25	3 448	3 453						
KAR25			20	30.64	63.9	0.00	5.60	7.60
KAR25			25	27.77	67.8	0.07	5.40	8.30
KAR25			32	26.83	73.3	0.10	5.20	9.20
KAR25			40	24.26	76.9	0.17	5.00	10.30
KAR25			50	23.40	82.0	0.24	4.70	11.50
KAR25			63	18.66	83.3	0.38	4.30	13.00
KAR25			80	15.18	86.1	0.55	3.70	14.80
KAR25			100	13.47	90.8	0.86	3.00	16.80
KAR25			125	5.32	89.3	1.31	1.80	18.80
KAR25			160	-0.83	90.6	1.97	0.00	21.10
KAR25			200	-4.59	91.9	2.83	0.00	22.80
MAA01	1 659	1 665						
MAA01			20	36.97	63.9	0.00	5.60	7.60
MAA01			25	34.14	67.8	0.03	5.40	8.30
MAA01			32	33.22	73.3	0.05	5.20	9.20
MAA01			40	30.69	76.9	0.08	5.00	10.30
MAA01			50	29.86	82.0	0.12	4.70	11.50
MAA01			63	25.19	83.3	0.18	4.30	13.00
MAA01			80	21.81	86.1	0.27	3.70	14.80
MAA01			100	20.26	90.8	0.42	3.00	16.80
MAA01			125	12.34	89.3	0.63	1.80	18.80
MAA01			160	6.52	90.6	0.95	0.00	21.10
MAA01			200	3.21	91.9	1.37	0.00	22.80
MAA03	1 996	2 001						
MAA03			20	35.38	63.9	0.00	5.60	7.60
MAA03			25	32.54	67.8	0.04	5.40	8.30
MAA03			32	31.62	73.3	0.06	5.20	9.20
MAA03			40	29.08	76.9	0.10	5.00	10.30
MAA03			50	28.24	82.0	0.14	4.70	11.50
MAA03			63	23.56	83.3	0.22	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			80	20.16	86.1	0.32	3.70	14.80
MAA03			100	18.58	90.8	0.50	3.00	16.80
MAA03			125	10.62	89.3	0.76	1.80	18.80
MAA03			160	4.74	90.6	1.14	0.00	21.10
MAA03			200	1.34	91.9	1.64	0.00	22.80
MAA04	1 757	1 762						
MAA04			20	36.48	63.9	0.00	5.60	7.60
MAA04			25	33.64	67.8	0.04	5.40	8.30
MAA04			32	32.72	73.3	0.05	5.20	9.20
MAA04			40	30.19	76.9	0.09	5.00	10.30
MAA04			50	29.35	82.0	0.12	4.70	11.50
MAA04			63	24.68	83.3	0.19	4.30	13.00
MAA04			80	21.30	86.1	0.28	3.70	14.80
MAA04			100	19.74	90.8	0.44	3.00	16.80
MAA04			125	11.81	89.3	0.67	1.80	18.80
MAA04			160	5.97	90.6	1.00	0.00	21.10
MAA04			200	2.63	91.9	1.45	0.00	22.80
MAA05	2 420	2 424						
MAA05			20	33.71	63.9	0.00	5.60	7.60
MAA05			25	30.86	67.8	0.05	5.40	8.30
MAA05			32	29.94	73.3	0.07	5.20	9.20
MAA05			40	27.39	76.9	0.12	5.00	10.30
MAA05			50	26.54	82.0	0.17	4.70	11.50
MAA05			63	21.84	83.3	0.27	4.30	13.00
MAA05			80	18.42	86.1	0.39	3.70	14.80
MAA05			100	16.80	90.8	0.61	3.00	16.80
MAA05			125	8.79	89.3	0.92	1.80	18.80
MAA05			160	2.83	90.6	1.38	0.00	21.10
MAA05			200	-0.68	91.9	1.99	0.00	22.80
MAA06	3 182	3 185						
MAA06			20	31.34	63.9	0.00	5.60	7.60
MAA06			25	28.47	67.8	0.06	5.40	8.30
MAA06			32	27.54	73.3	0.10	5.20	9.20
MAA06			40	24.98	76.9	0.16	5.00	10.30
MAA06			50	24.11	82.0	0.22	4.70	11.50
MAA06			63	19.39	83.3	0.35	4.30	13.00
MAA06			80	15.93	86.1	0.51	3.70	14.80
MAA06			100	14.24	90.8	0.80	3.00	16.80
MAA06			125	6.13	89.3	1.21	1.80	18.80
MAA06			160	0.02	90.6	1.82	0.00	21.10
MAA06			200	-3.67	91.9	2.61	0.00	22.80
MAA07	3 477	3 480						
MAA07			20	30.57	63.9	0.00	5.60	7.60
MAA07			25	27.70	67.8	0.07	5.40	8.30
MAA07			32	26.76	73.3	0.10	5.20	9.20
MAA07			40	24.19	76.9	0.17	5.00	10.30
MAA07			50	23.32	82.0	0.24	4.70	11.50
MAA07			63	18.59	83.3	0.38	4.30	13.00
MAA07			80	15.11	86.1	0.56	3.70	14.80
MAA07			100	13.40	90.8	0.87	3.00	16.80
MAA07			125	5.25	89.3	1.32	1.80	18.80
MAA07			160	-0.92	90.6	1.98	0.00	21.10
MAA07			200	-4.69	91.9	2.85	0.00	22.80
MAA08	3 712	3 714						
MAA08			20	30.00	63.9	0.00	5.60	7.60
MAA08			25	27.13	67.8	0.07	5.40	8.30
MAA08			32	26.19	73.3	0.11	5.20	9.20
MAA08			40	23.62	76.9	0.19	5.00	10.30
MAA08			50	22.74	82.0	0.26	4.70	11.50
MAA08			63	17.99	83.3	0.41	4.30	13.00
MAA08			80	14.51	86.1	0.59	3.70	14.80
MAA08			100	12.77	90.8	0.93	3.00	16.80
MAA08			125	4.59	89.3	1.41	1.80	18.80
MAA08			160	-1.61	90.6	2.12	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			200	-5.44	91.9	3.05	0.00	22.80
RAH01	3 277	3 281						
RAH01			20	29.23	62.0	0.00	5.60	7.60
RAH01			25	27.66	67.2	0.07	5.40	8.30
RAH01			32	26.03	72.0	0.10	5.20	9.20
RAH01			40	24.64	76.8	0.16	5.00	10.30
RAH01			50	23.07	81.2	0.23	4.70	11.50
RAH01			63	20.84	85.0	0.36	4.30	13.00
RAH01			80	17.88	88.3	0.52	3.70	14.80
RAH01			100	14.26	91.1	0.82	3.00	16.80
RAH01			125	9.83	93.3	1.25	1.80	18.80
RAH01			160	4.09	95.0	1.87	0.00	21.10
RAH01			200	0.19	96.1	2.69	0.00	22.80
RAH02	3 320	3 324						
RAH02			20	29.12	62.0	0.00	5.60	7.60
RAH02			25	27.55	67.2	0.07	5.40	8.30
RAH02			32	25.92	72.0	0.10	5.20	9.20
RAH02			40	24.53	76.8	0.17	5.00	10.30
RAH02			50	22.96	81.2	0.23	4.70	11.50
RAH02			63	20.73	85.0	0.37	4.30	13.00
RAH02			80	17.76	88.3	0.53	3.70	14.80
RAH02			100	14.14	91.1	0.83	3.00	16.80
RAH02			125	9.70	93.3	1.26	1.80	18.80
RAH02			160	3.95	95.0	1.89	0.00	21.10
RAH02			200	0.04	96.1	2.73	0.00	22.80
RAH03	2 653	2 658						
RAH03			20	31.06	62.0	0.00	5.60	7.60
RAH03			25	29.50	67.2	0.05	5.40	8.30
RAH03			32	27.88	72.0	0.08	5.20	9.20
RAH03			40	26.50	76.8	0.13	5.00	10.30
RAH03			50	24.95	81.2	0.19	4.70	11.50
RAH03			63	22.74	85.0	0.29	4.30	13.00
RAH03			80	19.81	88.3	0.43	3.70	14.80
RAH03			100	16.24	91.1	0.66	3.00	16.80
RAH03			125	11.90	93.3	1.01	1.80	18.80
RAH03			160	6.27	95.0	1.51	0.00	21.10
RAH03			200	2.53	96.1	2.18	0.00	22.80
RAH04	3 373	3 377						
RAH04			20	28.98	62.0	0.00	5.60	7.60
RAH04			25	27.41	67.2	0.07	5.40	8.30
RAH04			32	25.78	72.0	0.10	5.20	9.20
RAH04			40	24.38	76.8	0.17	5.00	10.30
RAH04			50	22.82	81.2	0.24	4.70	11.50
RAH04			63	20.58	85.0	0.37	4.30	13.00
RAH04			80	17.61	88.3	0.54	3.70	14.80
RAH04			100	13.99	91.1	0.84	3.00	16.80
RAH04			125	9.55	93.3	1.28	1.80	18.80
RAH04			160	3.78	95.0	1.92	0.00	21.10
RAH04			200	-0.14	96.1	2.77	0.00	22.80
RAH05	2 566	2 570						
RAH05			20	31.35	62.0	0.00	5.60	7.60
RAH05			25	29.80	67.2	0.05	5.40	8.30
RAH05			32	28.17	72.0	0.08	5.20	9.20
RAH05			40	26.80	76.8	0.13	5.00	10.30
RAH05			50	25.24	81.2	0.18	4.70	11.50
RAH05			63	23.04	85.0	0.28	4.30	13.00
RAH05			80	20.11	88.3	0.41	3.70	14.80
RAH05			100	16.56	91.1	0.64	3.00	16.80
RAH05			125	12.22	93.3	0.98	1.80	18.80
RAH05			160	6.61	95.0	1.47	0.00	21.10
RAH05			200	2.89	96.1	2.11	0.00	22.80
RAH06	2 906	2 910						
RAH06			20	30.27	62.0	0.00	5.60	7.60
RAH06			25	28.71	67.2	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			32	27.08	72.0	0.09	5.20	9.20
RAH06			40	25.70	76.8	0.15	5.00	10.30
RAH06			50	24.14	81.2	0.20	4.70	11.50
RAH06			63	21.93	85.0	0.32	4.30	13.00
RAH06			80	18.98	88.3	0.47	3.70	14.80
RAH06			100	15.39	91.1	0.73	3.00	16.80
RAH06			125	11.02	93.3	1.11	1.80	18.80
RAH06			160	5.34	95.0	1.66	0.00	21.10
RAH06			200	1.53	96.1	2.39	0.00	22.80
RAH07	4 538	4 540						
RAH07			20	26.41	62.0	0.00	5.60	7.60
RAH07			25	24.82	67.2	0.09	5.40	8.30
RAH07			32	23.17	72.0	0.14	5.20	9.20
RAH07			40	21.76	76.8	0.23	5.00	10.30
RAH07			50	20.16	81.2	0.32	4.70	11.50
RAH07			63	17.88	85.0	0.50	4.30	13.00
RAH07			80	14.86	88.3	0.73	3.70	14.80
RAH07			100	11.12	91.1	1.14	3.00	16.80
RAH07			125	6.53	93.3	1.73	1.80	18.80
RAH07			160	0.55	95.0	2.59	0.00	21.10
RAH07			200	-3.66	96.1	3.72	0.00	22.80
RAH08	4 604	4 607						
RAH08			20	26.28	62.0	0.00	5.60	7.60
RAH08			25	24.69	67.2	0.09	5.40	8.30
RAH08			32	23.04	72.0	0.14	5.20	9.20
RAH08			40	21.63	76.8	0.23	5.00	10.30
RAH08			50	20.03	81.2	0.32	4.70	11.50
RAH08			63	17.75	85.0	0.51	4.30	13.00
RAH08			80	14.72	88.3	0.74	3.70	14.80
RAH08			100	10.98	91.1	1.15	3.00	16.80
RAH08			125	6.38	93.3	1.75	1.80	18.80
RAH08			160	0.38	95.0	2.63	0.00	21.10
RAH08			200	-3.85	96.1	3.78	0.00	22.80
RAH09	3 828	3 831						
RAH09			20	27.88	62.0	0.00	5.60	7.60
RAH09			25	26.30	67.2	0.08	5.40	8.30
RAH09			32	24.67	72.0	0.11	5.20	9.20
RAH09			40	23.27	76.8	0.19	5.00	10.30
RAH09			50	21.69	81.2	0.27	4.70	11.50
RAH09			63	19.44	85.0	0.42	4.30	13.00
RAH09			80	16.44	88.3	0.61	3.70	14.80
RAH09			100	12.77	91.1	0.96	3.00	16.80
RAH09			125	8.28	93.3	1.46	1.80	18.80
RAH09			160	2.42	95.0	2.18	0.00	21.10
RAH09			200	-1.61	96.1	3.14	0.00	22.80
RAH10	4 184	4 187						
RAH10			20	27.11	62.0	0.00	5.60	7.60
RAH10			25	25.53	67.2	0.08	5.40	8.30
RAH10			32	23.89	72.0	0.13	5.20	9.20
RAH10			40	22.48	76.8	0.21	5.00	10.30
RAH10			50	20.89	81.2	0.29	4.70	11.50
RAH10			63	18.63	85.0	0.46	4.30	13.00
RAH10			80	15.62	88.3	0.67	3.70	14.80
RAH10			100	11.92	91.1	1.05	3.00	16.80
RAH10			125	7.37	93.3	1.59	1.80	18.80
RAH10			160	1.45	95.0	2.39	0.00	21.10
RAH10			200	-2.67	96.1	3.43	0.00	22.80
RAH11	2 924	2 928						
RAH11			20	30.22	62.0	0.00	5.60	7.60
RAH11			25	28.66	67.2	0.06	5.40	8.30
RAH11			32	27.03	72.0	0.09	5.20	9.20
RAH11			40	25.65	76.8	0.15	5.00	10.30
RAH11			50	24.09	81.2	0.20	4.70	11.50
RAH11			63	21.87	85.0	0.32	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			80	18.92	88.3	0.47	3.70	14.80
RAH11			100	15.34	91.1	0.73	3.00	16.80
RAH11			125	10.95	93.3	1.11	1.80	18.80
RAH11			160	5.27	95.0	1.67	0.00	21.10
RAH11			200	1.47	96.1	2.40	0.00	22.80
RAH12	3 647	3 650						
RAH12			20	28.30	62.0	0.00	5.60	7.60
RAH12			25	26.73	67.2	0.07	5.40	8.30
RAH12			32	25.09	72.0	0.11	5.20	9.20
RAH12			40	23.70	76.8	0.18	5.00	10.30
RAH12			50	22.12	81.2	0.26	4.70	11.50
RAH12			63	19.88	85.0	0.40	4.30	13.00
RAH12			80	16.89	88.3	0.58	3.70	14.80
RAH12			100	13.24	91.1	0.91	3.00	16.80
RAH12			125	8.77	93.3	1.39	1.80	18.80
RAH12			160	2.95	95.0	2.08	0.00	21.10
RAH12			200	-1.04	96.1	2.99	0.00	22.80
RAH13	3 566	3 569						
RAH13			20	28.50	62.0	0.00	5.60	7.60
RAH13			25	26.93	67.2	0.07	5.40	8.30
RAH13			32	25.29	72.0	0.11	5.20	9.20
RAH13			40	23.89	76.8	0.18	5.00	10.30
RAH13			50	22.32	81.2	0.25	4.70	11.50
RAH13			63	20.08	85.0	0.39	4.30	13.00
RAH13			80	17.10	88.3	0.57	3.70	14.80
RAH13			100	13.46	91.1	0.89	3.00	16.80
RAH13			125	8.99	93.3	1.36	1.80	18.80
RAH13			160	3.19	95.0	2.03	0.00	21.10
RAH13			200	-0.78	96.1	2.93	0.00	22.80
RAH14	2 919	2 923						
RAH14			20	30.23	62.0	0.00	5.60	7.60
RAH14			25	28.67	67.2	0.06	5.40	8.30
RAH14			32	27.05	72.0	0.09	5.20	9.20
RAH14			40	25.66	76.8	0.15	5.00	10.30
RAH14			50	24.10	81.2	0.20	4.70	11.50
RAH14			63	21.89	85.0	0.32	4.30	13.00
RAH14			80	18.94	88.3	0.47	3.70	14.80
RAH14			100	15.35	91.1	0.73	3.00	16.80
RAH14			125	10.97	93.3	1.11	1.80	18.80
RAH14			160	5.29	95.0	1.67	0.00	21.10
RAH14			200	1.49	96.1	2.40	0.00	22.80
RAH15	3 803	3 807						
RAH15			20	27.94	62.0	0.00	5.60	7.60
RAH15			25	26.36	67.2	0.08	5.40	8.30
RAH15			32	24.72	72.0	0.11	5.20	9.20
RAH15			40	23.32	76.8	0.19	5.00	10.30
RAH15			50	21.75	81.2	0.27	4.70	11.50
RAH15			63	19.49	85.0	0.42	4.30	13.00
RAH15			80	16.50	88.3	0.61	3.70	14.80
RAH15			100	12.84	91.1	0.95	3.00	16.80
RAH15			125	8.34	93.3	1.45	1.80	18.80
RAH15			160	2.50	95.0	2.17	0.00	21.10
RAH15			200	-1.53	96.1	3.12	0.00	22.80
RAH16	4 393	4 396						
RAH16			20	26.69	62.0	0.00	5.60	7.60
RAH16			25	25.10	67.2	0.09	5.40	8.30
RAH16			32	23.46	72.0	0.13	5.20	9.20
RAH16			40	22.04	76.8	0.22	5.00	10.30
RAH16			50	20.46	81.2	0.31	4.70	11.50
RAH16			63	18.18	85.0	0.48	4.30	13.00
RAH16			80	15.16	88.3	0.70	3.70	14.80
RAH16			100	11.44	91.1	1.10	3.00	16.80
RAH16			125	6.87	93.3	1.67	1.80	18.80
RAH16			160	0.91	95.0	2.51	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			200	-3.26	96.1	3.60	0.00	22.80
RAH17	2 944	2 949						
RAH17			20	30.15	62.0	0.00	5.60	7.60
RAH17			25	28.59	67.2	0.06	5.40	8.30
RAH17			32	26.97	72.0	0.09	5.20	9.20
RAH17			40	25.58	76.8	0.15	5.00	10.30
RAH17			50	24.02	81.2	0.21	4.70	11.50
RAH17			63	21.81	85.0	0.32	4.30	13.00
RAH17			80	18.86	88.3	0.47	3.70	14.80
RAH17			100	15.27	91.1	0.74	3.00	16.80
RAH17			125	10.88	93.3	1.12	1.80	18.80
RAH17			160	5.20	95.0	1.68	0.00	21.10
RAH17			200	1.39	96.1	2.42	0.00	22.80
RAH18	3 523	3 527						
RAH18			20	28.60	62.0	0.00	5.60	7.60
RAH18			25	27.03	67.2	0.07	5.40	8.30
RAH18			32	25.39	72.0	0.11	5.20	9.20
RAH18			40	24.00	76.8	0.18	5.00	10.30
RAH18			50	22.43	81.2	0.25	4.70	11.50
RAH18			63	20.19	85.0	0.39	4.30	13.00
RAH18			80	17.21	88.3	0.56	3.70	14.80
RAH18			100	13.57	91.1	0.88	3.00	16.80
RAH18			125	9.11	93.3	1.34	1.80	18.80
RAH18			160	3.32	95.0	2.01	0.00	21.10
RAH18			200	-0.64	96.1	2.89	0.00	22.80
RAH19	3 621	3 626						
RAH19			20	28.36	62.0	0.00	5.60	7.60
RAH19			25	26.79	67.2	0.07	5.40	8.30
RAH19			32	25.15	72.0	0.11	5.20	9.20
RAH19			40	23.76	76.8	0.18	5.00	10.30
RAH19			50	22.18	81.2	0.25	4.70	11.50
RAH19			63	19.94	85.0	0.40	4.30	13.00
RAH19			80	16.96	88.3	0.58	3.70	14.80
RAH19			100	13.31	91.1	0.91	3.00	16.80
RAH19			125	8.83	93.3	1.38	1.80	18.80
RAH19			160	3.02	95.0	2.07	0.00	21.10
RAH19			200	-0.96	96.1	2.97	0.00	22.80
SIL01	9 526	9 527						
SIL01			20	21.24	63.3	0.00	5.60	7.60
SIL01			25	19.45	68.4	0.19	5.40	8.30
SIL01			32	13.46	68.9	0.29	5.20	9.20
SIL01			40	10.37	72.1	0.48	5.00	10.30
SIL01			50	8.98	76.8	0.67	4.70	11.50
SIL01			63	5.68	79.8	1.05	4.30	13.00
SIL01			80	1.91	82.6	1.52	3.70	14.80
SIL01			100	-1.63	86.0	2.38	3.00	16.80
SIL01			125	-5.81	89.3	3.62	1.80	18.80
SIL01			160	-15.53	88.2	5.43	0.00	21.10
SIL01			200	-20.30	90.0	7.81	0.00	22.80
SIL02	9 041	9 043						
SIL02			20	21.70	63.3	0.00	5.60	7.60
SIL02			25	19.91	68.4	0.18	5.40	8.30
SIL02			32	13.93	68.9	0.27	5.20	9.20
SIL02			40	10.85	72.1	0.45	5.00	10.30
SIL02			50	9.46	76.8	0.63	4.70	11.50
SIL02			63	6.19	79.8	0.99	4.30	13.00
SIL02			80	2.44	82.6	1.45	3.70	14.80
SIL02			100	-1.06	86.0	2.26	3.00	16.80
SIL02			125	-5.17	89.3	3.44	1.80	18.80
SIL02			160	-14.80	88.2	5.15	0.00	21.10
SIL02			200	-19.45	90.0	7.41	0.00	22.80
SIL03	8 423	8 424						
SIL03			20	22.31	63.3	0.00	5.60	7.60
SIL03			25	20.54	68.4	0.17	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			32	14.57	68.9	0.25	5.20	9.20
SIL03			40	11.49	72.1	0.42	5.00	10.30
SIL03			50	10.12	76.8	0.59	4.70	11.50
SIL03			63	6.87	79.8	0.93	4.30	13.00
SIL03			80	3.15	82.6	1.35	3.70	14.80
SIL03			100	-0.29	86.0	2.11	3.00	16.80
SIL03			125	-4.32	89.3	3.20	1.80	18.80
SIL03			160	-13.83	88.2	4.80	0.00	21.10
SIL03			200	-18.33	90.0	6.91	0.00	22.80
SIL04	8 406	8 407						
SIL04			20	22.33	63.3	0.00	5.60	7.60
SIL04			25	20.56	68.4	0.17	5.40	8.30
SIL04			32	14.58	68.9	0.25	5.20	9.20
SIL04			40	11.51	72.1	0.42	5.00	10.30
SIL04			50	10.14	76.8	0.59	4.70	11.50
SIL04			63	6.89	79.8	0.92	4.30	13.00
SIL04			80	3.17	82.6	1.35	3.70	14.80
SIL04			100	-0.27	86.0	2.10	3.00	16.80
SIL04			125	-4.30	89.3	3.19	1.80	18.80
SIL04			160	-13.80	88.2	4.79	0.00	21.10
SIL04			200	-18.30	90.0	6.89	0.00	22.80
SIL05	9 256	9 257						
SIL05			20	21.49	63.3	0.00	5.60	7.60
SIL05			25	19.70	68.4	0.19	5.40	8.30
SIL05			32	13.72	68.9	0.28	5.20	9.20
SIL05			40	10.63	72.1	0.46	5.00	10.30
SIL05			50	9.25	76.8	0.65	4.70	11.50
SIL05			63	5.96	79.8	1.02	4.30	13.00
SIL05			80	2.20	82.6	1.48	3.70	14.80
SIL05			100	-1.31	86.0	2.31	3.00	16.80
SIL05			125	-5.46	89.3	3.52	1.80	18.80
SIL05			160	-15.12	88.2	5.28	0.00	21.10
SIL05			200	-19.83	90.0	7.59	0.00	22.80
SIL06	8 891	8 892						
SIL06			20	21.84	63.3	0.00	5.60	7.60
SIL06			25	20.06	68.4	0.18	5.40	8.30
SIL06			32	14.08	68.9	0.27	5.20	9.20
SIL06			40	11.00	72.1	0.44	5.00	10.30
SIL06			50	9.62	76.8	0.62	4.70	11.50
SIL06			63	6.35	79.8	0.98	4.30	13.00
SIL06			80	2.61	82.6	1.42	3.70	14.80
SIL06			100	-0.87	86.0	2.22	3.00	16.80
SIL06			125	-4.97	89.3	3.38	1.80	18.80
SIL06			160	-14.57	88.2	5.07	0.00	21.10
SIL06			200	-19.18	90.0	7.29	0.00	22.80
SIL07	8 326	8 327						
SIL07			20	22.41	63.3	0.00	5.60	7.60
SIL07			25	20.64	68.4	0.17	5.40	8.30
SIL07			32	14.67	68.9	0.25	5.20	9.20
SIL07			40	11.60	72.1	0.42	5.00	10.30
SIL07			50	10.23	76.8	0.58	4.70	11.50
SIL07			63	6.98	79.8	0.92	4.30	13.00
SIL07			80	3.27	82.6	1.33	3.70	14.80
SIL07			100	-0.16	86.0	2.08	3.00	16.80
SIL07			125	-4.19	89.3	3.16	1.80	18.80
SIL07			160	-13.67	88.2	4.75	0.00	21.10
SIL07			200	-18.15	90.0	6.83	0.00	22.80
SIL08	8 667	8 668						
SIL08			20	22.06	63.3	0.00	5.60	7.60
SIL08			25	20.29	68.4	0.17	5.40	8.30
SIL08			32	14.31	68.9	0.26	5.20	9.20
SIL08			40	11.23	72.1	0.43	5.00	10.30
SIL08			50	9.86	76.8	0.61	4.70	11.50
SIL08			63	6.59	79.8	0.95	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			80	2.87	82.6	1.39	3.70	14.80
SIL08			100	-0.60	86.0	2.17	3.00	16.80
SIL08			125	-4.66	89.3	3.29	1.80	18.80
SIL08			160	-14.22	88.2	4.94	0.00	21.10
SIL08			200	-18.78	90.0	7.11	0.00	22.80
Sum								
Sum			20	46.79				
Sum			25	44.41				
Sum			32	43.13				
Sum			40	41.01				
Sum			50	39.86				
Sum			63	36.26				
Sum			80	33.06				
Sum			100	30.41				
Sum			125	24.33				
Sum			160	18.44				
Sum			200	14.63				

Noise sensitive area: V Noise sensitive point: Finnish normal frequency - User defined (38)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 014	4 018						
KAR01			20	29.32	63.9	0.00	5.60	7.60
KAR01			25	26.44	67.8	0.08	5.40	8.30
KAR01			32	25.50	73.3	0.12	5.20	9.20
KAR01			40	22.92	76.9	0.20	5.00	10.30
KAR01			50	22.04	82.0	0.28	4.70	11.50
KAR01			63	17.28	83.3	0.44	4.30	13.00
KAR01			80	13.78	86.1	0.64	3.70	14.80
KAR01			100	12.02	90.8	1.00	3.00	16.80
KAR01			125	3.79	89.3	1.53	1.80	18.80
KAR01			160	-2.47	90.6	2.29	0.00	21.10
KAR01			200	-6.38	91.9	3.29	0.00	22.80
KAR02	3 842	3 846						
KAR02			20	29.70	63.9	0.00	5.60	7.60
KAR02			25	26.82	67.8	0.08	5.40	8.30
KAR02			32	25.88	73.3	0.12	5.20	9.20
KAR02			40	23.31	76.9	0.19	5.00	10.30
KAR02			50	22.43	82.0	0.27	4.70	11.50
KAR02			63	17.68	83.3	0.42	4.30	13.00
KAR02			80	14.18	86.1	0.62	3.70	14.80
KAR02			100	12.44	90.8	0.96	3.00	16.80
KAR02			125	4.24	89.3	1.46	1.80	18.80
KAR02			160	-1.99	90.6	2.19	0.00	21.10
KAR02			200	-5.85	91.9	3.15	0.00	22.80
KAR03	4 228	4 232						
KAR03			20	28.87	63.9	0.00	5.60	7.60
KAR03			25	25.98	67.8	0.08	5.40	8.30
KAR03			32	25.04	73.3	0.13	5.20	9.20
KAR03			40	22.46	76.9	0.21	5.00	10.30
KAR03			50	21.57	82.0	0.30	4.70	11.50
KAR03			63	16.80	83.3	0.47	4.30	13.00
KAR03			80	13.29	86.1	0.68	3.70	14.80
KAR03			100	11.51	90.8	1.06	3.00	16.80
KAR03			125	3.26	89.3	1.61	1.80	18.80
KAR03			160	-3.04	90.6	2.41	0.00	21.10
KAR03			200	-7.00	91.9	3.47	0.00	22.80
KAR04	4 804	4 808						
KAR04			20	27.76	63.9	0.00	5.60	7.60
KAR04			25	24.86	67.8	0.10	5.40	8.30
KAR04			32	23.92	73.3	0.14	5.20	9.20
KAR04			40	21.32	76.9	0.24	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			50	20.42	82.0	0.34	4.70	11.50
KAR04			63	15.63	83.3	0.53	4.30	13.00
KAR04			80	12.09	86.1	0.77	3.70	14.80
KAR04			100	10.26	90.8	1.20	3.00	16.80
KAR04			125	1.93	89.3	1.83	1.80	18.80
KAR04			160	-4.48	90.6	2.74	0.00	21.10
KAR04			200	-8.58	91.9	3.94	0.00	22.80
KAR05	5 377	5 381						
KAR05			20	26.78	63.9	0.00	5.60	7.60
KAR05			25	23.88	67.8	0.11	5.40	8.30
KAR05			32	22.92	73.3	0.16	5.20	9.20
KAR05			40	20.31	76.9	0.27	5.00	10.30
KAR05			50	19.41	82.0	0.38	4.70	11.50
KAR05			63	14.59	83.3	0.59	4.30	13.00
KAR05			80	11.02	86.1	0.86	3.70	14.80
KAR05			100	9.14	90.8	1.35	3.00	16.80
KAR05			125	0.74	89.3	2.04	1.80	18.80
KAR05			160	-5.78	90.6	3.07	0.00	21.10
KAR05			200	-10.03	91.9	4.41	0.00	22.80
KAR06	4 756	4 760						
KAR06			20	27.85	63.9	0.00	5.60	7.60
KAR06			25	24.95	67.8	0.10	5.40	8.30
KAR06			32	24.00	73.3	0.14	5.20	9.20
KAR06			40	21.41	76.9	0.24	5.00	10.30
KAR06			50	20.51	82.0	0.33	4.70	11.50
KAR06			63	15.72	83.3	0.52	4.30	13.00
KAR06			80	12.19	86.1	0.76	3.70	14.80
KAR06			100	10.36	90.8	1.19	3.00	16.80
KAR06			125	2.04	89.3	1.81	1.80	18.80
KAR06			160	-4.37	90.6	2.71	0.00	21.10
KAR06			200	-8.46	91.9	3.90	0.00	22.80
KAR07	4 593	4 597						
KAR07			20	28.15	63.9	0.00	5.60	7.60
KAR07			25	25.26	67.8	0.09	5.40	8.30
KAR07			32	24.31	73.3	0.14	5.20	9.20
KAR07			40	21.72	76.9	0.23	5.00	10.30
KAR07			50	20.83	82.0	0.32	4.70	11.50
KAR07			63	16.05	83.3	0.51	4.30	13.00
KAR07			80	12.52	86.1	0.74	3.70	14.80
KAR07			100	10.70	90.8	1.15	3.00	16.80
KAR07			125	2.40	89.3	1.75	1.80	18.80
KAR07			160	-3.97	90.6	2.62	0.00	21.10
KAR07			200	-8.02	91.9	3.77	0.00	22.80
KAR08	4 626	4 630						
KAR08			20	28.09	63.9	0.00	5.60	7.60
KAR08			25	25.20	67.8	0.09	5.40	8.30
KAR08			32	24.25	73.3	0.14	5.20	9.20
KAR08			40	21.66	76.9	0.23	5.00	10.30
KAR08			50	20.77	82.0	0.32	4.70	11.50
KAR08			63	15.98	83.3	0.51	4.30	13.00
KAR08			80	12.45	86.1	0.74	3.70	14.80
KAR08			100	10.63	90.8	1.16	3.00	16.80
KAR08			125	2.33	89.3	1.76	1.80	18.80
KAR08			160	-4.05	90.6	2.64	0.00	21.10
KAR08			200	-8.11	91.9	3.80	0.00	22.80
KAR09	5 834	5 837						
KAR09			20	26.08	63.9	0.00	5.60	7.60
KAR09			25	23.16	67.8	0.12	5.40	8.30
KAR09			32	22.20	73.3	0.18	5.20	9.20
KAR09			40	19.58	76.9	0.29	5.00	10.30
KAR09			50	18.67	82.0	0.41	4.70	11.50
KAR09			63	13.83	83.3	0.64	4.30	13.00
KAR09			80	10.24	86.1	0.93	3.70	14.80
KAR09			100	8.32	90.8	1.46	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			125	-0.14	89.3	2.22	1.80	18.80
KAR09			160	-6.75	90.6	3.33	0.00	21.10
KAR09			200	-11.11	91.9	4.79	0.00	22.80
KAR10	5 494	5 497						
KAR10			20	26.60	63.9	0.00	5.60	7.60
KAR10			25	23.69	67.8	0.11	5.40	8.30
KAR10			32	22.73	73.3	0.16	5.20	9.20
KAR10			40	20.12	76.9	0.27	5.00	10.30
KAR10			50	19.21	82.0	0.38	4.70	11.50
KAR10			63	14.39	83.3	0.60	4.30	13.00
KAR10			80	10.82	86.1	0.88	3.70	14.80
KAR10			100	8.92	90.8	1.37	3.00	16.80
KAR10			125	0.51	89.3	2.09	1.80	18.80
KAR10			160	-6.04	90.6	3.13	0.00	21.10
KAR10			200	-10.31	91.9	4.51	0.00	22.80
KAR11	5 257	5 261						
KAR11			20	26.98	63.9	0.00	5.60	7.60
KAR11			25	24.07	67.8	0.11	5.40	8.30
KAR11			32	23.12	73.3	0.16	5.20	9.20
KAR11			40	20.52	76.9	0.26	5.00	10.30
KAR11			50	19.61	82.0	0.37	4.70	11.50
KAR11			63	14.80	83.3	0.58	4.30	13.00
KAR11			80	11.24	86.1	0.84	3.70	14.80
KAR11			100	9.36	90.8	1.32	3.00	16.80
KAR11			125	0.98	89.3	2.00	1.80	18.80
KAR11			160	-5.52	90.6	3.00	0.00	21.10
KAR11			200	-9.74	91.9	4.31	0.00	22.80
KAR12	5 989	5 992						
KAR12			20	25.85	63.9	0.00	5.60	7.60
KAR12			25	22.93	67.8	0.12	5.40	8.30
KAR12			32	21.97	73.3	0.18	5.20	9.20
KAR12			40	19.35	76.9	0.30	5.00	10.30
KAR12			50	18.43	82.0	0.42	4.70	11.50
KAR12			63	13.59	83.3	0.66	4.30	13.00
KAR12			80	9.99	86.1	0.96	3.70	14.80
KAR12			100	8.05	90.8	1.50	3.00	16.80
KAR12			125	-0.43	89.3	2.28	1.80	18.80
KAR12			160	-7.07	90.6	3.42	0.00	21.10
KAR12			200	-11.46	91.9	4.91	0.00	22.80
KAR13	5 628	5 631						
KAR13			20	26.39	63.9	0.00	5.60	7.60
KAR13			25	23.48	67.8	0.11	5.40	8.30
KAR13			32	22.52	73.3	0.17	5.20	9.20
KAR13			40	19.91	76.9	0.28	5.00	10.30
KAR13			50	18.99	82.0	0.39	4.70	11.50
KAR13			63	14.17	83.3	0.62	4.30	13.00
KAR13			80	10.59	86.1	0.90	3.70	14.80
KAR13			100	8.68	90.8	1.41	3.00	16.80
KAR13			125	0.25	89.3	2.14	1.80	18.80
KAR13			160	-6.32	90.6	3.21	0.00	21.10
KAR13			200	-10.63	91.9	4.62	0.00	22.80
KAR14	6 404	6 407						
KAR14			20	25.27	63.9	0.00	5.60	7.60
KAR14			25	22.34	67.8	0.13	5.40	8.30
KAR14			32	21.37	73.3	0.19	5.20	9.20
KAR14			40	18.75	76.9	0.32	5.00	10.30
KAR14			50	17.82	82.0	0.45	4.70	11.50
KAR14			63	12.96	83.3	0.70	4.30	13.00
KAR14			80	9.34	86.1	1.03	3.70	14.80
KAR14			100	7.37	90.8	1.60	3.00	16.80
KAR14			125	-1.17	89.3	2.43	1.80	18.80
KAR14			160	-7.88	90.6	3.65	0.00	21.10
KAR14			200	-12.39	91.9	5.25	0.00	22.80
KAR15	5 601	5 604						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			20	26.43	63.9	0.00	5.60	7.60
KAR15			25	23.52	67.8	0.11	5.40	8.30
KAR15			32	22.56	73.3	0.17	5.20	9.20
KAR15			40	19.95	76.9	0.28	5.00	10.30
KAR15			50	19.04	82.0	0.39	4.70	11.50
KAR15			63	14.21	83.3	0.62	4.30	13.00
KAR15			80	10.63	86.1	0.90	3.70	14.80
KAR15			100	8.73	90.8	1.40	3.00	16.80
KAR15			125	0.30	89.3	2.13	1.80	18.80
KAR15			160	-6.27	90.6	3.19	0.00	21.10
KAR15			200	-10.57	91.9	4.60	0.00	22.80
KAR16	6 670	6 673						
KAR16			20	24.91	63.9	0.00	5.60	7.60
KAR16			25	21.98	67.8	0.13	5.40	8.30
KAR16			32	21.01	73.3	0.20	5.20	9.20
KAR16			40	18.38	76.9	0.33	5.00	10.30
KAR16			50	17.45	82.0	0.47	4.70	11.50
KAR16			63	12.58	83.3	0.73	4.30	13.00
KAR16			80	8.95	86.1	1.07	3.70	14.80
KAR16			100	6.95	90.8	1.67	3.00	16.80
KAR16			125	-1.62	89.3	2.54	1.80	18.80
KAR16			160	-8.39	90.6	3.80	0.00	21.10
KAR16			200	-12.96	91.9	5.47	0.00	22.80
KAR17	6 549	6 551						
KAR17			20	25.07	63.9	0.00	5.60	7.60
KAR17			25	22.14	67.8	0.13	5.40	8.30
KAR17			32	21.18	73.3	0.20	5.20	9.20
KAR17			40	18.55	76.9	0.33	5.00	10.30
KAR17			50	17.61	82.0	0.46	4.70	11.50
KAR17			63	12.75	83.3	0.72	4.30	13.00
KAR17			80	9.13	86.1	1.05	3.70	14.80
KAR17			100	7.14	90.8	1.64	3.00	16.80
KAR17			125	-1.42	89.3	2.49	1.80	18.80
KAR17			160	-8.16	90.6	3.73	0.00	21.10
KAR17			200	-12.70	91.9	5.37	0.00	22.80
KAR18	7 132	7 135						
KAR18			20	24.33	63.9	0.00	5.60	7.60
KAR18			25	21.39	67.8	0.14	5.40	8.30
KAR18			32	20.42	73.3	0.21	5.20	9.20
KAR18			40	17.78	76.9	0.36	5.00	10.30
KAR18			50	16.83	82.0	0.50	4.70	11.50
KAR18			63	11.95	83.3	0.78	4.30	13.00
KAR18			80	8.29	86.1	1.14	3.70	14.80
KAR18			100	6.25	90.8	1.78	3.00	16.80
KAR18			125	-2.38	89.3	2.71	1.80	18.80
KAR18			160	-9.23	90.6	4.07	0.00	21.10
KAR18			200	-13.92	91.9	5.85	0.00	22.80
KAR19	6 343	6 346						
KAR19			20	25.35	63.9	0.00	5.60	7.60
KAR19			25	22.42	67.8	0.13	5.40	8.30
KAR19			32	21.46	73.3	0.19	5.20	9.20
KAR19			40	18.83	76.9	0.32	5.00	10.30
KAR19			50	17.91	82.0	0.44	4.70	11.50
KAR19			63	13.05	83.3	0.70	4.30	13.00
KAR19			80	9.43	86.1	1.02	3.70	14.80
KAR19			100	7.46	90.8	1.59	3.00	16.80
KAR19			125	-1.06	89.3	2.41	1.80	18.80
KAR19			160	-7.77	90.6	3.62	0.00	21.10
KAR19			200	-12.25	91.9	5.20	0.00	22.80
KAR20	7 185	7 187						
KAR20			20	24.27	63.9	0.00	5.60	7.60
KAR20			25	21.32	67.8	0.14	5.40	8.30
KAR20			32	20.35	73.3	0.22	5.20	9.20
KAR20			40	17.71	76.9	0.36	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			50	16.77	82.0	0.50	4.70	11.50
KAR20			63	11.88	83.3	0.79	4.30	13.00
KAR20			80	8.22	86.1	1.15	3.70	14.80
KAR20			100	6.17	90.8	1.80	3.00	16.80
KAR20			125	-2.46	89.3	2.73	1.80	18.80
KAR20			160	-9.33	90.6	4.10	0.00	21.10
KAR20			200	-14.03	91.9	5.89	0.00	22.80
KAR21	6 964	6 967						
KAR21			20	24.54	63.9	0.00	5.60	7.60
KAR21			25	21.60	67.8	0.14	5.40	8.30
KAR21			32	20.63	73.3	0.21	5.20	9.20
KAR21			40	17.99	76.9	0.35	5.00	10.30
KAR21			50	17.05	82.0	0.49	4.70	11.50
KAR21			63	12.17	83.3	0.77	4.30	13.00
KAR21			80	8.52	86.1	1.11	3.70	14.80
KAR21			100	6.50	90.8	1.74	3.00	16.80
KAR21			125	-2.11	89.3	2.65	1.80	18.80
KAR21			160	-8.93	90.6	3.97	0.00	21.10
KAR21			200	-13.57	91.9	5.71	0.00	22.80
KAR22	7 015	7 017						
KAR22			20	24.48	63.9	0.00	5.60	7.60
KAR22			25	21.54	67.8	0.14	5.40	8.30
KAR22			32	20.57	73.3	0.21	5.20	9.20
KAR22			40	17.93	76.9	0.35	5.00	10.30
KAR22			50	16.99	82.0	0.49	4.70	11.50
KAR22			63	12.10	83.3	0.77	4.30	13.00
KAR22			80	8.45	86.1	1.12	3.70	14.80
KAR22			100	6.42	90.8	1.75	3.00	16.80
KAR22			125	-2.19	89.3	2.67	1.80	18.80
KAR22			160	-9.02	90.6	4.00	0.00	21.10
KAR22			200	-13.68	91.9	5.75	0.00	22.80
KAR23	7 578	7 581						
KAR23			20	23.81	63.9	0.00	5.60	7.60
KAR23			25	20.85	67.8	0.15	5.40	8.30
KAR23			32	19.88	73.3	0.23	5.20	9.20
KAR23			40	17.23	76.9	0.38	5.00	10.30
KAR23			50	16.28	82.0	0.53	4.70	11.50
KAR23			63	11.37	83.3	0.83	4.30	13.00
KAR23			80	7.69	86.1	1.21	3.70	14.80
KAR23			100	5.61	90.8	1.90	3.00	16.80
KAR23			125	-3.07	89.3	2.88	1.80	18.80
KAR23			160	-10.02	90.6	4.32	0.00	21.10
KAR23			200	-14.81	91.9	6.22	0.00	22.80
KAR24	4 355	4 358						
KAR24			20	28.61	63.9	0.00	5.60	7.60
KAR24			25	25.73	67.8	0.09	5.40	8.30
KAR24			32	24.78	73.3	0.13	5.20	9.20
KAR24			40	22.20	76.9	0.22	5.00	10.30
KAR24			50	21.31	82.0	0.31	4.70	11.50
KAR24			63	16.53	83.3	0.48	4.30	13.00
KAR24			80	13.02	86.1	0.70	3.70	14.80
KAR24			100	11.22	90.8	1.09	3.00	16.80
KAR24			125	2.96	89.3	1.66	1.80	18.80
KAR24			160	-3.37	90.6	2.48	0.00	21.10
KAR24			200	-7.36	91.9	3.57	0.00	22.80
KAR25	3 448	3 452						
KAR25			20	30.64	63.9	0.00	5.60	7.60
KAR25			25	27.77	67.8	0.07	5.40	8.30
KAR25			32	26.83	73.3	0.10	5.20	9.20
KAR25			40	24.27	76.9	0.17	5.00	10.30
KAR25			50	23.40	82.0	0.24	4.70	11.50
KAR25			63	18.66	83.3	0.38	4.30	13.00
KAR25			80	15.19	86.1	0.55	3.70	14.80
KAR25			100	13.47	90.8	0.86	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			125	5.33	89.3	1.31	1.80	18.80
KAR25			160	-0.83	90.6	1.97	0.00	21.10
KAR25			200	-4.59	91.9	2.83	0.00	22.80
MAA01	1 677	1 683						
MAA01			20	36.88	63.9	0.00	5.60	7.60
MAA01			25	34.04	67.8	0.03	5.40	8.30
MAA01			32	33.13	73.3	0.05	5.20	9.20
MAA01			40	30.59	76.9	0.08	5.00	10.30
MAA01			50	29.76	82.0	0.12	4.70	11.50
MAA01			63	25.09	83.3	0.19	4.30	13.00
MAA01			80	21.71	86.1	0.27	3.70	14.80
MAA01			100	20.16	90.8	0.42	3.00	16.80
MAA01			125	12.24	89.3	0.64	1.80	18.80
MAA01			160	6.42	90.6	0.96	0.00	21.10
MAA01			200	3.10	91.9	1.38	0.00	22.80
MAA03	1 983	1 988						
MAA03			20	35.43	63.9	0.00	5.60	7.60
MAA03			25	32.59	67.8	0.04	5.40	8.30
MAA03			32	31.67	73.3	0.06	5.20	9.20
MAA03			40	29.13	76.9	0.10	5.00	10.30
MAA03			50	28.29	82.0	0.14	4.70	11.50
MAA03			63	23.61	83.3	0.22	4.30	13.00
MAA03			80	20.21	86.1	0.32	3.70	14.80
MAA03			100	18.64	90.8	0.50	3.00	16.80
MAA03			125	10.68	89.3	0.76	1.80	18.80
MAA03			160	4.80	90.6	1.13	0.00	21.10
MAA03			200	1.40	91.9	1.63	0.00	22.80
MAA04	1 696	1 702						
MAA04			20	36.78	63.9	0.00	5.60	7.60
MAA04			25	33.95	67.8	0.03	5.40	8.30
MAA04			32	33.03	73.3	0.05	5.20	9.20
MAA04			40	30.50	76.9	0.09	5.00	10.30
MAA04			50	29.66	82.0	0.12	4.70	11.50
MAA04			63	24.99	83.3	0.19	4.30	13.00
MAA04			80	21.61	86.1	0.27	3.70	14.80
MAA04			100	20.06	90.8	0.43	3.00	16.80
MAA04			125	12.14	89.3	0.65	1.80	18.80
MAA04			160	6.31	90.6	0.97	0.00	21.10
MAA04			200	2.99	91.9	1.40	0.00	22.80
MAA05	2 385	2 389						
MAA05			20	33.84	63.9	0.00	5.60	7.60
MAA05			25	30.99	67.8	0.05	5.40	8.30
MAA05			32	30.06	73.3	0.07	5.20	9.20
MAA05			40	27.52	76.9	0.12	5.00	10.30
MAA05			50	26.67	82.0	0.17	4.70	11.50
MAA05			63	21.97	83.3	0.26	4.30	13.00
MAA05			80	18.55	86.1	0.38	3.70	14.80
MAA05			100	16.94	90.8	0.60	3.00	16.80
MAA05			125	8.93	89.3	0.91	1.80	18.80
MAA05			160	2.97	90.6	1.36	0.00	21.10
MAA05			200	-0.52	91.9	1.96	0.00	22.80
MAA06	3 124	3 127						
MAA06			20	31.50	63.9	0.00	5.60	7.60
MAA06			25	28.64	67.8	0.06	5.40	8.30
MAA06			32	27.70	73.3	0.09	5.20	9.20
MAA06			40	25.14	76.9	0.16	5.00	10.30
MAA06			50	24.28	82.0	0.22	4.70	11.50
MAA06			63	19.55	83.3	0.34	4.30	13.00
MAA06			80	16.10	86.1	0.50	3.70	14.80
MAA06			100	14.42	90.8	0.78	3.00	16.80
MAA06			125	6.31	89.3	1.19	1.80	18.80
MAA06			160	0.22	90.6	1.78	0.00	21.10
MAA06			200	-3.47	91.9	2.56	0.00	22.80
MAA07	3 408	3 411						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			20	30.74	63.9	0.00	5.60	7.60
MAA07			25	27.87	67.8	0.07	5.40	8.30
MAA07			32	26.94	73.3	0.10	5.20	9.20
MAA07			40	24.37	76.9	0.17	5.00	10.30
MAA07			50	23.50	82.0	0.24	4.70	11.50
MAA07			63	18.77	83.3	0.38	4.30	13.00
MAA07			80	15.30	86.1	0.55	3.70	14.80
MAA07			100	13.59	90.8	0.85	3.00	16.80
MAA07			125	5.45	89.3	1.30	1.80	18.80
MAA07			160	-0.70	90.6	1.94	0.00	21.10
MAA07			200	-4.46	91.9	2.80	0.00	22.80
MAA08	3 637	3 640						
MAA08			20	30.18	63.9	0.00	5.60	7.60
MAA08			25	27.30	67.8	0.07	5.40	8.30
MAA08			32	26.37	73.3	0.11	5.20	9.20
MAA08			40	23.80	76.9	0.18	5.00	10.30
MAA08			50	22.92	82.0	0.25	4.70	11.50
MAA08			63	18.18	83.3	0.40	4.30	13.00
MAA08			80	14.70	86.1	0.58	3.70	14.80
MAA08			100	12.97	90.8	0.91	3.00	16.80
MAA08			125	4.79	89.3	1.38	1.80	18.80
MAA08			160	-1.40	90.6	2.07	0.00	21.10
MAA08			200	-5.21	91.9	2.98	0.00	22.80
RAH01	3 316	3 320						
RAH01			20	29.13	62.0	0.00	5.60	7.60
RAH01			25	27.56	67.2	0.07	5.40	8.30
RAH01			32	25.93	72.0	0.10	5.20	9.20
RAH01			40	24.54	76.8	0.17	5.00	10.30
RAH01			50	22.97	81.2	0.23	4.70	11.50
RAH01			63	20.74	85.0	0.37	4.30	13.00
RAH01			80	17.77	88.3	0.53	3.70	14.80
RAH01			100	14.15	91.1	0.83	3.00	16.80
RAH01			125	9.72	93.3	1.26	1.80	18.80
RAH01			160	3.96	95.0	1.89	0.00	21.10
RAH01			200	0.06	96.1	2.72	0.00	22.80
RAH02	3 339	3 343						
RAH02			20	29.07	62.0	0.00	5.60	7.60
RAH02			25	27.50	67.2	0.07	5.40	8.30
RAH02			32	25.87	72.0	0.10	5.20	9.20
RAH02			40	24.48	76.8	0.17	5.00	10.30
RAH02			50	22.91	81.2	0.23	4.70	11.50
RAH02			63	20.68	85.0	0.37	4.30	13.00
RAH02			80	17.71	88.3	0.53	3.70	14.80
RAH02			100	14.08	91.1	0.84	3.00	16.80
RAH02			125	9.65	93.3	1.27	1.80	18.80
RAH02			160	3.89	95.0	1.91	0.00	21.10
RAH02			200	-0.02	96.1	2.74	0.00	22.80
RAH03	2 685	2 689						
RAH03			20	30.96	62.0	0.00	5.60	7.60
RAH03			25	29.40	67.2	0.05	5.40	8.30
RAH03			32	27.78	72.0	0.08	5.20	9.20
RAH03			40	26.40	76.8	0.13	5.00	10.30
RAH03			50	24.84	81.2	0.19	4.70	11.50
RAH03			63	22.64	85.0	0.30	4.30	13.00
RAH03			80	19.70	88.3	0.43	3.70	14.80
RAH03			100	16.14	91.1	0.67	3.00	16.80
RAH03			125	11.79	93.3	1.02	1.80	18.80
RAH03			160	6.15	95.0	1.53	0.00	21.10
RAH03			200	2.40	96.1	2.21	0.00	22.80
RAH04	3 376	3 379						
RAH04			20	28.97	62.0	0.00	5.60	7.60
RAH04			25	27.41	67.2	0.07	5.40	8.30
RAH04			32	25.77	72.0	0.10	5.20	9.20
RAH04			40	24.38	76.8	0.17	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			50	22.81	81.2	0.24	4.70	11.50
RAH04			63	20.58	85.0	0.37	4.30	13.00
RAH04			80	17.61	88.3	0.54	3.70	14.80
RAH04			100	13.98	91.1	0.84	3.00	16.80
RAH04			125	9.54	93.3	1.28	1.80	18.80
RAH04			160	3.77	95.0	1.93	0.00	21.10
RAH04			200	-0.15	96.1	2.77	0.00	22.80
RAH05	2 567	2 572						
RAH05			20	31.34	62.0	0.00	5.60	7.60
RAH05			25	29.79	67.2	0.05	5.40	8.30
RAH05			32	28.17	72.0	0.08	5.20	9.20
RAH05			40	26.79	76.8	0.13	5.00	10.30
RAH05			50	25.24	81.2	0.18	4.70	11.50
RAH05			63	23.04	85.0	0.28	4.30	13.00
RAH05			80	20.11	88.3	0.41	3.70	14.80
RAH05			100	16.55	91.1	0.64	3.00	16.80
RAH05			125	12.22	93.3	0.98	1.80	18.80
RAH05			160	6.61	95.0	1.47	0.00	21.10
RAH05			200	2.89	96.1	2.11	0.00	22.80
RAH06	2 887	2 891						
RAH06			20	30.33	62.0	0.00	5.60	7.60
RAH06			25	28.77	67.2	0.06	5.40	8.30
RAH06			32	27.14	72.0	0.09	5.20	9.20
RAH06			40	25.76	76.8	0.14	5.00	10.30
RAH06			50	24.20	81.2	0.20	4.70	11.50
RAH06			63	21.98	85.0	0.32	4.30	13.00
RAH06			80	19.04	88.3	0.46	3.70	14.80
RAH06			100	15.46	91.1	0.72	3.00	16.80
RAH06			125	11.08	93.3	1.10	1.80	18.80
RAH06			160	5.41	95.0	1.65	0.00	21.10
RAH06			200	1.61	96.1	2.37	0.00	22.80
RAH07	4 509	4 511						
RAH07			20	26.46	62.0	0.00	5.60	7.60
RAH07			25	24.87	67.2	0.09	5.40	8.30
RAH07			32	23.23	72.0	0.14	5.20	9.20
RAH07			40	21.81	76.8	0.23	5.00	10.30
RAH07			50	20.22	81.2	0.32	4.70	11.50
RAH07			63	17.94	85.0	0.50	4.30	13.00
RAH07			80	14.92	88.3	0.72	3.70	14.80
RAH07			100	11.19	91.1	1.13	3.00	16.80
RAH07			125	6.60	93.3	1.71	1.80	18.80
RAH07			160	0.62	95.0	2.57	0.00	21.10
RAH07			200	-3.59	96.1	3.70	0.00	22.80
RAH08	4 589	4 591						
RAH08			20	26.31	62.0	0.00	5.60	7.60
RAH08			25	24.72	67.2	0.09	5.40	8.30
RAH08			32	23.07	72.0	0.14	5.20	9.20
RAH08			40	21.66	76.8	0.23	5.00	10.30
RAH08			50	20.06	81.2	0.32	4.70	11.50
RAH08			63	17.78	85.0	0.51	4.30	13.00
RAH08			80	14.75	88.3	0.73	3.70	14.80
RAH08			100	11.01	91.1	1.15	3.00	16.80
RAH08			125	6.42	93.3	1.74	1.80	18.80
RAH08			160	0.42	95.0	2.62	0.00	21.10
RAH08			200	-3.80	96.1	3.76	0.00	22.80
RAH09	3 809	3 812						
RAH09			20	27.93	62.0	0.00	5.60	7.60
RAH09			25	26.35	67.2	0.08	5.40	8.30
RAH09			32	24.71	72.0	0.11	5.20	9.20
RAH09			40	23.31	76.8	0.19	5.00	10.30
RAH09			50	21.73	81.2	0.27	4.70	11.50
RAH09			63	19.48	85.0	0.42	4.30	13.00
RAH09			80	16.49	88.3	0.61	3.70	14.80
RAH09			100	12.82	91.1	0.95	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			125	8.33	93.3	1.45	1.80	18.80
RAH09			160	2.48	95.0	2.17	0.00	21.10
RAH09			200	-1.55	96.1	3.13	0.00	22.80
RAH10	4 180	4 183						
RAH10			20	27.12	62.0	0.00	5.60	7.60
RAH10			25	25.54	67.2	0.08	5.40	8.30
RAH10			32	23.89	72.0	0.13	5.20	9.20
RAH10			40	22.49	76.8	0.21	5.00	10.30
RAH10			50	20.90	81.2	0.29	4.70	11.50
RAH10			63	18.63	85.0	0.46	4.30	13.00
RAH10			80	15.63	88.3	0.67	3.70	14.80
RAH10			100	11.92	91.1	1.05	3.00	16.80
RAH10			125	7.38	93.3	1.59	1.80	18.80
RAH10			160	1.46	95.0	2.38	0.00	21.10
RAH10			200	-2.66	96.1	3.43	0.00	22.80
RAH11	2 982	2 986						
RAH11			20	30.05	62.0	0.00	5.60	7.60
RAH11			25	28.49	67.2	0.06	5.40	8.30
RAH11			32	26.86	72.0	0.09	5.20	9.20
RAH11			40	25.47	76.8	0.15	5.00	10.30
RAH11			50	23.91	81.2	0.21	4.70	11.50
RAH11			63	21.69	85.0	0.33	4.30	13.00
RAH11			80	18.75	88.3	0.48	3.70	14.80
RAH11			100	15.15	91.1	0.75	3.00	16.80
RAH11			125	10.76	93.3	1.13	1.80	18.80
RAH11			160	5.07	95.0	1.70	0.00	21.10
RAH11			200	1.25	96.1	2.45	0.00	22.80
RAH12	3 706	3 709						
RAH12			20	28.16	62.0	0.00	5.60	7.60
RAH12			25	26.59	67.2	0.07	5.40	8.30
RAH12			32	24.95	72.0	0.11	5.20	9.20
RAH12			40	23.55	76.8	0.19	5.00	10.30
RAH12			50	21.98	81.2	0.26	4.70	11.50
RAH12			63	19.73	85.0	0.41	4.30	13.00
RAH12			80	16.74	88.3	0.59	3.70	14.80
RAH12			100	13.09	91.1	0.93	3.00	16.80
RAH12			125	8.60	93.3	1.41	1.80	18.80
RAH12			160	2.78	95.0	2.11	0.00	21.10
RAH12			200	-1.23	96.1	3.04	0.00	22.80
RAH13	3 637	3 641						
RAH13			20	28.32	62.0	0.00	5.60	7.60
RAH13			25	26.75	67.2	0.07	5.40	8.30
RAH13			32	25.12	72.0	0.11	5.20	9.20
RAH13			40	23.72	76.8	0.18	5.00	10.30
RAH13			50	22.15	81.2	0.25	4.70	11.50
RAH13			63	19.90	85.0	0.40	4.30	13.00
RAH13			80	16.92	88.3	0.58	3.70	14.80
RAH13			100	13.27	91.1	0.91	3.00	16.80
RAH13			125	8.79	93.3	1.38	1.80	18.80
RAH13			160	2.98	95.0	2.08	0.00	21.10
RAH13			200	-1.01	96.1	2.99	0.00	22.80
RAH14	2 991	2 995						
RAH14			20	30.02	62.0	0.00	5.60	7.60
RAH14			25	28.46	67.2	0.06	5.40	8.30
RAH14			32	26.83	72.0	0.09	5.20	9.20
RAH14			40	25.45	76.8	0.15	5.00	10.30
RAH14			50	23.89	81.2	0.21	4.70	11.50
RAH14			63	21.67	85.0	0.33	4.30	13.00
RAH14			80	18.72	88.3	0.48	3.70	14.80
RAH14			100	15.12	91.1	0.75	3.00	16.80
RAH14			125	10.73	93.3	1.14	1.80	18.80
RAH14			160	5.04	95.0	1.71	0.00	21.10
RAH14			200	1.21	96.1	2.46	0.00	22.80
RAH15	3 883	3 887						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			20	27.76	62.0	0.00	5.60	7.60
RAH15			25	26.18	67.2	0.08	5.40	8.30
RAH15			32	24.54	72.0	0.12	5.20	9.20
RAH15			40	23.14	76.8	0.19	5.00	10.30
RAH15			50	21.56	81.2	0.27	4.70	11.50
RAH15			63	19.30	85.0	0.43	4.30	13.00
RAH15			80	16.31	88.3	0.62	3.70	14.80
RAH15			100	12.64	91.1	0.97	3.00	16.80
RAH15			125	8.13	93.3	1.48	1.80	18.80
RAH15			160	2.27	95.0	2.22	0.00	21.10
RAH15			200	-1.78	96.1	3.19	0.00	22.80
RAH16	4 469	4 471						
RAH16			20	26.54	62.0	0.00	5.60	7.60
RAH16			25	24.95	67.2	0.09	5.40	8.30
RAH16			32	23.31	72.0	0.13	5.20	9.20
RAH16			40	21.89	76.8	0.22	5.00	10.30
RAH16			50	20.30	81.2	0.31	4.70	11.50
RAH16			63	18.02	85.0	0.49	4.30	13.00
RAH16			80	15.00	88.3	0.72	3.70	14.80
RAH16			100	11.27	91.1	1.12	3.00	16.80
RAH16			125	6.69	93.3	1.70	1.80	18.80
RAH16			160	0.72	95.0	2.55	0.00	21.10
RAH16			200	-3.48	96.1	3.67	0.00	22.80
RAH17	3 026	3 031						
RAH17			20	29.92	62.0	0.00	5.60	7.60
RAH17			25	28.35	67.2	0.06	5.40	8.30
RAH17			32	26.72	72.0	0.09	5.20	9.20
RAH17			40	25.34	76.8	0.15	5.00	10.30
RAH17			50	23.78	81.2	0.21	4.70	11.50
RAH17			63	21.56	85.0	0.33	4.30	13.00
RAH17			80	18.61	88.3	0.49	3.70	14.80
RAH17			100	15.01	91.1	0.76	3.00	16.80
RAH17			125	10.62	93.3	1.15	1.80	18.80
RAH17			160	4.91	95.0	1.73	0.00	21.10
RAH17			200	1.08	96.1	2.49	0.00	22.80
RAH18	3 605	3 609						
RAH18			20	28.40	62.0	0.00	5.60	7.60
RAH18			25	26.83	67.2	0.07	5.40	8.30
RAH18			32	25.19	72.0	0.11	5.20	9.20
RAH18			40	23.79	76.8	0.18	5.00	10.30
RAH18			50	22.22	81.2	0.25	4.70	11.50
RAH18			63	19.98	85.0	0.40	4.30	13.00
RAH18			80	17.00	88.3	0.58	3.70	14.80
RAH18			100	13.35	91.1	0.90	3.00	16.80
RAH18			125	8.88	93.3	1.37	1.80	18.80
RAH18			160	3.07	95.0	2.06	0.00	21.10
RAH18			200	-0.91	96.1	2.96	0.00	22.80
RAH19	3 701	3 705						
RAH19			20	28.17	62.0	0.00	5.60	7.60
RAH19			25	26.60	67.2	0.07	5.40	8.30
RAH19			32	24.96	72.0	0.11	5.20	9.20
RAH19			40	23.56	76.8	0.19	5.00	10.30
RAH19			50	21.99	81.2	0.26	4.70	11.50
RAH19			63	19.74	85.0	0.41	4.30	13.00
RAH19			80	16.75	88.3	0.59	3.70	14.80
RAH19			100	13.10	91.1	0.93	3.00	16.80
RAH19			125	8.62	93.3	1.41	1.80	18.80
RAH19			160	2.79	95.0	2.11	0.00	21.10
RAH19			200	-1.21	96.1	3.04	0.00	22.80
SIL01	9 607	9 609						
SIL01			20	21.17	63.3	0.00	5.60	7.60
SIL01			25	19.37	68.4	0.19	5.40	8.30
SIL01			32	13.39	68.9	0.29	5.20	9.20
SIL01			40	10.29	72.1	0.48	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			50	8.90	76.8	0.67	4.70	11.50
SIL01			63	5.60	79.8	1.06	4.30	13.00
SIL01			80	1.82	82.6	1.54	3.70	14.80
SIL01			100	-1.73	86.0	2.40	3.00	16.80
SIL01			125	-5.92	89.3	3.65	1.80	18.80
SIL01			160	-15.65	88.2	5.48	0.00	21.10
SIL01			200	-20.44	90.0	7.88	0.00	22.80
SIL02	9 122	9 123						
SIL02			20	21.62	63.3	0.00	5.60	7.60
SIL02			25	19.83	68.4	0.18	5.40	8.30
SIL02			32	13.85	68.9	0.27	5.20	9.20
SIL02			40	10.76	72.1	0.46	5.00	10.30
SIL02			50	9.38	76.8	0.64	4.70	11.50
SIL02			63	6.10	79.8	1.00	4.30	13.00
SIL02			80	2.35	82.6	1.46	3.70	14.80
SIL02			100	-1.15	86.0	2.28	3.00	16.80
SIL02			125	-5.28	89.3	3.47	1.80	18.80
SIL02			160	-14.92	88.2	5.20	0.00	21.10
SIL02			200	-19.60	90.0	7.48	0.00	22.80
SIL03	8 502	8 503						
SIL03			20	22.23	63.3	0.00	5.60	7.60
SIL03			25	20.46	68.4	0.17	5.40	8.30
SIL03			32	14.48	68.9	0.26	5.20	9.20
SIL03			40	11.41	72.1	0.43	5.00	10.30
SIL03			50	10.04	76.8	0.60	4.70	11.50
SIL03			63	6.78	79.8	0.94	4.30	13.00
SIL03			80	3.06	82.6	1.36	3.70	14.80
SIL03			100	-0.39	86.0	2.13	3.00	16.80
SIL03			125	-4.43	89.3	3.23	1.80	18.80
SIL03			160	-13.96	88.2	4.85	0.00	21.10
SIL03			200	-18.48	90.0	6.97	0.00	22.80
SIL04	8 486	8 488						
SIL04			20	22.25	63.3	0.00	5.60	7.60
SIL04			25	20.47	68.4	0.17	5.40	8.30
SIL04			32	14.50	68.9	0.25	5.20	9.20
SIL04			40	11.42	72.1	0.42	5.00	10.30
SIL04			50	10.05	76.8	0.59	4.70	11.50
SIL04			63	6.80	79.8	0.93	4.30	13.00
SIL04			80	3.08	82.6	1.36	3.70	14.80
SIL04			100	-0.37	86.0	2.12	3.00	16.80
SIL04			125	-4.41	89.3	3.23	1.80	18.80
SIL04			160	-13.93	88.2	4.84	0.00	21.10
SIL04			200	-18.45	90.0	6.96	0.00	22.80
SIL05	9 338	9 339						
SIL05			20	21.42	63.3	0.00	5.60	7.60
SIL05			25	19.62	68.4	0.19	5.40	8.30
SIL05			32	13.64	68.9	0.28	5.20	9.20
SIL05			40	10.55	72.1	0.47	5.00	10.30
SIL05			50	9.16	76.8	0.65	4.70	11.50
SIL05			63	5.87	79.8	1.03	4.30	13.00
SIL05			80	2.11	82.6	1.49	3.70	14.80
SIL05			100	-1.41	86.0	2.33	3.00	16.80
SIL05			125	-5.57	89.3	3.55	1.80	18.80
SIL05			160	-15.25	88.2	5.32	0.00	21.10
SIL05			200	-19.98	90.0	7.66	0.00	22.80
SIL06	8 972	8 974						
SIL06			20	21.76	63.3	0.00	5.60	7.60
SIL06			25	19.98	68.4	0.18	5.40	8.30
SIL06			32	14.00	68.9	0.27	5.20	9.20
SIL06			40	10.92	72.1	0.45	5.00	10.30
SIL06			50	9.54	76.8	0.63	4.70	11.50
SIL06			63	6.26	79.8	0.99	4.30	13.00
SIL06			80	2.52	82.6	1.44	3.70	14.80
SIL06			100	-0.97	86.0	2.24	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			125	-5.08	89.3	3.41	1.80	18.80
SIL06			160	-14.69	88.2	5.12	0.00	21.10
SIL06			200	-19.33	90.0	7.36	0.00	22.80
SIL07	8 408	8 409						
SIL07			20	22.33	63.3	0.00	5.60	7.60
SIL07			25	20.55	68.4	0.17	5.40	8.30
SIL07			32	14.58	68.9	0.25	5.20	9.20
SIL07			40	11.51	72.1	0.42	5.00	10.30
SIL07			50	10.14	76.8	0.59	4.70	11.50
SIL07			63	6.89	79.8	0.92	4.30	13.00
SIL07			80	3.17	82.6	1.35	3.70	14.80
SIL07			100	-0.27	86.0	2.10	3.00	16.80
SIL07			125	-4.30	89.3	3.20	1.80	18.80
SIL07			160	-13.81	88.2	4.79	0.00	21.10
SIL07			200	-18.30	90.0	6.90	0.00	22.80
SIL08	8 749	8 751						
SIL08			20	21.98	63.3	0.00	5.60	7.60
SIL08			25	20.20	68.4	0.18	5.40	8.30
SIL08			32	14.23	68.9	0.26	5.20	9.20
SIL08			40	11.15	72.1	0.44	5.00	10.30
SIL08			50	9.77	76.8	0.61	4.70	11.50
SIL08			63	6.50	79.8	0.96	4.30	13.00
SIL08			80	2.77	82.6	1.40	3.70	14.80
SIL08			100	-0.70	86.0	2.19	3.00	16.80
SIL08			125	-4.78	89.3	3.33	1.80	18.80
SIL08			160	-14.35	88.2	4.99	0.00	21.10
SIL08			200	-18.93	90.0	7.18	0.00	22.80
Sum								
Sum			20	46.81				
Sum			25	44.42				
Sum			32	43.14				
Sum			40	41.01				
Sum			50	39.87				
Sum			63	36.25				
Sum			80	33.04				
Sum			100	30.40				
Sum			125	24.28				
Sum			160	18.39				
Sum			200	14.58				

Noise sensitive area: W Noise sensitive point: Finnish normal frequency - User defined (6)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 014	4 018						
KAR01			20	29.32	63.9	0.00	5.60	7.60
KAR01			25	26.44	67.8	0.08	5.40	8.30
KAR01			32	25.50	73.3	0.12	5.20	9.20
KAR01			40	22.92	76.9	0.20	5.00	10.30
KAR01			50	22.04	82.0	0.28	4.70	11.50
KAR01			63	17.28	83.3	0.44	4.30	13.00
KAR01			80	13.78	86.1	0.64	3.70	14.80
KAR01			100	12.02	90.8	1.00	3.00	16.80
KAR01			125	3.79	89.3	1.53	1.80	18.80
KAR01			160	-2.47	90.6	2.29	0.00	21.10
KAR01			200	-6.38	91.9	3.29	0.00	22.80
KAR02	3 842	3 846						
KAR02			20	29.70	63.9	0.00	5.60	7.60
KAR02			25	26.82	67.8	0.08	5.40	8.30
KAR02			32	25.88	73.3	0.12	5.20	9.20
KAR02			40	23.31	76.9	0.19	5.00	10.30
KAR02			50	22.43	82.0	0.27	4.70	11.50
KAR02			63	17.68	83.3	0.42	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR02			80	14.18	86.1	0.62	3.70	14.80
KAR02			100	12.44	90.8	0.96	3.00	16.80
KAR02			125	4.24	89.3	1.46	1.80	18.80
KAR02			160	-1.99	90.6	2.19	0.00	21.10
KAR02			200	-5.85	91.9	3.15	0.00	22.80
KAR03	4 228	4 232						
KAR03			20	28.87	63.9	0.00	5.60	7.60
KAR03			25	25.98	67.8	0.08	5.40	8.30
KAR03			32	25.04	73.3	0.13	5.20	9.20
KAR03			40	22.46	76.9	0.21	5.00	10.30
KAR03			50	21.57	82.0	0.30	4.70	11.50
KAR03			63	16.80	83.3	0.47	4.30	13.00
KAR03			80	13.29	86.1	0.68	3.70	14.80
KAR03			100	11.51	90.8	1.06	3.00	16.80
KAR03			125	3.26	89.3	1.61	1.80	18.80
KAR03			160	-3.04	90.6	2.41	0.00	21.10
KAR03			200	-7.00	91.9	3.47	0.00	22.80
KAR04	4 804	4 808						
KAR04			20	27.76	63.9	0.00	5.60	7.60
KAR04			25	24.86	67.8	0.10	5.40	8.30
KAR04			32	23.92	73.3	0.14	5.20	9.20
KAR04			40	21.32	76.9	0.24	5.00	10.30
KAR04			50	20.42	82.0	0.34	4.70	11.50
KAR04			63	15.63	83.3	0.53	4.30	13.00
KAR04			80	12.09	86.1	0.77	3.70	14.80
KAR04			100	10.26	90.8	1.20	3.00	16.80
KAR04			125	1.93	89.3	1.83	1.80	18.80
KAR04			160	-4.48	90.6	2.74	0.00	21.10
KAR04			200	-8.58	91.9	3.94	0.00	22.80
KAR05	5 377	5 381						
KAR05			20	26.78	63.9	0.00	5.60	7.60
KAR05			25	23.88	67.8	0.11	5.40	8.30
KAR05			32	22.92	73.3	0.16	5.20	9.20
KAR05			40	20.31	76.9	0.27	5.00	10.30
KAR05			50	19.41	82.0	0.38	4.70	11.50
KAR05			63	14.59	83.3	0.59	4.30	13.00
KAR05			80	11.02	86.1	0.86	3.70	14.80
KAR05			100	9.14	90.8	1.35	3.00	16.80
KAR05			125	0.74	89.3	2.04	1.80	18.80
KAR05			160	-5.78	90.6	3.07	0.00	21.10
KAR05			200	-10.03	91.9	4.41	0.00	22.80
KAR06	4 756	4 760						
KAR06			20	27.85	63.9	0.00	5.60	7.60
KAR06			25	24.95	67.8	0.10	5.40	8.30
KAR06			32	24.00	73.3	0.14	5.20	9.20
KAR06			40	21.41	76.9	0.24	5.00	10.30
KAR06			50	20.51	82.0	0.33	4.70	11.50
KAR06			63	15.72	83.3	0.52	4.30	13.00
KAR06			80	12.19	86.1	0.76	3.70	14.80
KAR06			100	10.36	90.8	1.19	3.00	16.80
KAR06			125	2.04	89.3	1.81	1.80	18.80
KAR06			160	-4.37	90.6	2.71	0.00	21.10
KAR06			200	-8.46	91.9	3.90	0.00	22.80
KAR07	4 593	4 597						
KAR07			20	28.15	63.9	0.00	5.60	7.60
KAR07			25	25.26	67.8	0.09	5.40	8.30
KAR07			32	24.31	73.3	0.14	5.20	9.20
KAR07			40	21.72	76.9	0.23	5.00	10.30
KAR07			50	20.83	82.0	0.32	4.70	11.50
KAR07			63	16.05	83.3	0.51	4.30	13.00
KAR07			80	12.52	86.1	0.74	3.70	14.80
KAR07			100	10.70	90.8	1.15	3.00	16.80
KAR07			125	2.40	89.3	1.75	1.80	18.80
KAR07			160	-3.97	90.6	2.62	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			200	-8.02	91.9	3.77	0.00	22.80
KAR08	4 626	4 630						
KAR08			20	28.09	63.9	0.00	5.60	7.60
KAR08			25	25.20	67.8	0.09	5.40	8.30
KAR08			32	24.25	73.3	0.14	5.20	9.20
KAR08			40	21.66	76.9	0.23	5.00	10.30
KAR08			50	20.77	82.0	0.32	4.70	11.50
KAR08			63	15.98	83.3	0.51	4.30	13.00
KAR08			80	12.45	86.1	0.74	3.70	14.80
KAR08			100	10.63	90.8	1.16	3.00	16.80
KAR08			125	2.33	89.3	1.76	1.80	18.80
KAR08			160	-4.05	90.6	2.64	0.00	21.10
KAR08			200	-8.11	91.9	3.80	0.00	22.80
KAR09	5 834	5 837						
KAR09			20	26.08	63.9	0.00	5.60	7.60
KAR09			25	23.16	67.8	0.12	5.40	8.30
KAR09			32	22.20	73.3	0.18	5.20	9.20
KAR09			40	19.58	76.9	0.29	5.00	10.30
KAR09			50	18.67	82.0	0.41	4.70	11.50
KAR09			63	13.83	83.3	0.64	4.30	13.00
KAR09			80	10.24	86.1	0.93	3.70	14.80
KAR09			100	8.32	90.8	1.46	3.00	16.80
KAR09			125	-0.14	89.3	2.22	1.80	18.80
KAR09			160	-6.75	90.6	3.33	0.00	21.10
KAR09			200	-11.11	91.9	4.79	0.00	22.80
KAR10	5 494	5 497						
KAR10			20	26.60	63.9	0.00	5.60	7.60
KAR10			25	23.69	67.8	0.11	5.40	8.30
KAR10			32	22.73	73.3	0.16	5.20	9.20
KAR10			40	20.12	76.9	0.27	5.00	10.30
KAR10			50	19.21	82.0	0.38	4.70	11.50
KAR10			63	14.39	83.3	0.60	4.30	13.00
KAR10			80	10.82	86.1	0.88	3.70	14.80
KAR10			100	8.92	90.8	1.37	3.00	16.80
KAR10			125	0.51	89.3	2.09	1.80	18.80
KAR10			160	-6.04	90.6	3.13	0.00	21.10
KAR10			200	-10.31	91.9	4.51	0.00	22.80
KAR11	5 257	5 261						
KAR11			20	26.98	63.9	0.00	5.60	7.60
KAR11			25	24.07	67.8	0.11	5.40	8.30
KAR11			32	23.12	73.3	0.16	5.20	9.20
KAR11			40	20.52	76.9	0.26	5.00	10.30
KAR11			50	19.61	82.0	0.37	4.70	11.50
KAR11			63	14.80	83.3	0.58	4.30	13.00
KAR11			80	11.24	86.1	0.84	3.70	14.80
KAR11			100	9.36	90.8	1.32	3.00	16.80
KAR11			125	0.98	89.3	2.00	1.80	18.80
KAR11			160	-5.52	90.6	3.00	0.00	21.10
KAR11			200	-9.74	91.9	4.31	0.00	22.80
KAR12	5 989	5 992						
KAR12			20	25.85	63.9	0.00	5.60	7.60
KAR12			25	22.93	67.8	0.12	5.40	8.30
KAR12			32	21.97	73.3	0.18	5.20	9.20
KAR12			40	19.35	76.9	0.30	5.00	10.30
KAR12			50	18.43	82.0	0.42	4.70	11.50
KAR12			63	13.59	83.3	0.66	4.30	13.00
KAR12			80	9.99	86.1	0.96	3.70	14.80
KAR12			100	8.05	90.8	1.50	3.00	16.80
KAR12			125	-0.43	89.3	2.28	1.80	18.80
KAR12			160	-7.07	90.6	3.42	0.00	21.10
KAR12			200	-11.46	91.9	4.91	0.00	22.80
KAR13	5 628	5 631						
KAR13			20	26.39	63.9	0.00	5.60	7.60
KAR13			25	23.48	67.8	0.11	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			32	22.52	73.3	0.17	5.20	9.20
KAR13			40	19.91	76.9	0.28	5.00	10.30
KAR13			50	18.99	82.0	0.39	4.70	11.50
KAR13			63	14.17	83.3	0.62	4.30	13.00
KAR13			80	10.59	86.1	0.90	3.70	14.80
KAR13			100	8.68	90.8	1.41	3.00	16.80
KAR13			125	0.25	89.3	2.14	1.80	18.80
KAR13			160	-6.32	90.6	3.21	0.00	21.10
KAR13			200	-10.63	91.9	4.62	0.00	22.80
KAR14	6 404	6 407						
KAR14			20	25.27	63.9	0.00	5.60	7.60
KAR14			25	22.34	67.8	0.13	5.40	8.30
KAR14			32	21.37	73.3	0.19	5.20	9.20
KAR14			40	18.75	76.9	0.32	5.00	10.30
KAR14			50	17.82	82.0	0.45	4.70	11.50
KAR14			63	12.96	83.3	0.70	4.30	13.00
KAR14			80	9.34	86.1	1.03	3.70	14.80
KAR14			100	7.37	90.8	1.60	3.00	16.80
KAR14			125	-1.17	89.3	2.43	1.80	18.80
KAR14			160	-7.88	90.6	3.65	0.00	21.10
KAR14			200	-12.39	91.9	5.25	0.00	22.80
KAR15	5 601	5 604						
KAR15			20	26.43	63.9	0.00	5.60	7.60
KAR15			25	23.52	67.8	0.11	5.40	8.30
KAR15			32	22.56	73.3	0.17	5.20	9.20
KAR15			40	19.95	76.9	0.28	5.00	10.30
KAR15			50	19.04	82.0	0.39	4.70	11.50
KAR15			63	14.21	83.3	0.62	4.30	13.00
KAR15			80	10.63	86.1	0.90	3.70	14.80
KAR15			100	8.73	90.8	1.40	3.00	16.80
KAR15			125	0.30	89.3	2.13	1.80	18.80
KAR15			160	-6.27	90.6	3.19	0.00	21.10
KAR15			200	-10.57	91.9	4.60	0.00	22.80
KAR16	6 670	6 673						
KAR16			20	24.91	63.9	0.00	5.60	7.60
KAR16			25	21.98	67.8	0.13	5.40	8.30
KAR16			32	21.01	73.3	0.20	5.20	9.20
KAR16			40	18.38	76.9	0.33	5.00	10.30
KAR16			50	17.45	82.0	0.47	4.70	11.50
KAR16			63	12.58	83.3	0.73	4.30	13.00
KAR16			80	8.95	86.1	1.07	3.70	14.80
KAR16			100	6.95	90.8	1.67	3.00	16.80
KAR16			125	-1.62	89.3	2.54	1.80	18.80
KAR16			160	-8.39	90.6	3.80	0.00	21.10
KAR16			200	-12.96	91.9	5.47	0.00	22.80
KAR17	6 549	6 551						
KAR17			20	25.07	63.9	0.00	5.60	7.60
KAR17			25	22.14	67.8	0.13	5.40	8.30
KAR17			32	21.18	73.3	0.20	5.20	9.20
KAR17			40	18.55	76.9	0.33	5.00	10.30
KAR17			50	17.61	82.0	0.46	4.70	11.50
KAR17			63	12.75	83.3	0.72	4.30	13.00
KAR17			80	9.13	86.1	1.05	3.70	14.80
KAR17			100	7.14	90.8	1.64	3.00	16.80
KAR17			125	-1.42	89.3	2.49	1.80	18.80
KAR17			160	-8.16	90.6	3.73	0.00	21.10
KAR17			200	-12.70	91.9	5.37	0.00	22.80
KAR18	7 132	7 135						
KAR18			20	24.33	63.9	0.00	5.60	7.60
KAR18			25	21.39	67.8	0.14	5.40	8.30
KAR18			32	20.42	73.3	0.21	5.20	9.20
KAR18			40	17.78	76.9	0.36	5.00	10.30
KAR18			50	16.83	82.0	0.50	4.70	11.50
KAR18			63	11.95	83.3	0.78	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR18			80	8.29	86.1	1.14	3.70	14.80
KAR18			100	6.25	90.8	1.78	3.00	16.80
KAR18			125	-2.38	89.3	2.71	1.80	18.80
KAR18			160	-9.23	90.6	4.07	0.00	21.10
KAR18			200	-13.92	91.9	5.85	0.00	22.80
KAR19	6 343	6 346						
KAR19			20	25.35	63.9	0.00	5.60	7.60
KAR19			25	22.42	67.8	0.13	5.40	8.30
KAR19			32	21.46	73.3	0.19	5.20	9.20
KAR19			40	18.83	76.9	0.32	5.00	10.30
KAR19			50	17.91	82.0	0.44	4.70	11.50
KAR19			63	13.05	83.3	0.70	4.30	13.00
KAR19			80	9.43	86.1	1.02	3.70	14.80
KAR19			100	7.46	90.8	1.59	3.00	16.80
KAR19			125	-1.06	89.3	2.41	1.80	18.80
KAR19			160	-7.77	90.6	3.62	0.00	21.10
KAR19			200	-12.25	91.9	5.20	0.00	22.80
KAR20	7 185	7 187						
KAR20			20	24.27	63.9	0.00	5.60	7.60
KAR20			25	21.32	67.8	0.14	5.40	8.30
KAR20			32	20.35	73.3	0.22	5.20	9.20
KAR20			40	17.71	76.9	0.36	5.00	10.30
KAR20			50	16.77	82.0	0.50	4.70	11.50
KAR20			63	11.88	83.3	0.79	4.30	13.00
KAR20			80	8.22	86.1	1.15	3.70	14.80
KAR20			100	6.17	90.8	1.80	3.00	16.80
KAR20			125	-2.46	89.3	2.73	1.80	18.80
KAR20			160	-9.33	90.6	4.10	0.00	21.10
KAR20			200	-14.03	91.9	5.89	0.00	22.80
KAR21	6 964	6 967						
KAR21			20	24.54	63.9	0.00	5.60	7.60
KAR21			25	21.60	67.8	0.14	5.40	8.30
KAR21			32	20.63	73.3	0.21	5.20	9.20
KAR21			40	17.99	76.9	0.35	5.00	10.30
KAR21			50	17.05	82.0	0.49	4.70	11.50
KAR21			63	12.17	83.3	0.77	4.30	13.00
KAR21			80	8.52	86.1	1.11	3.70	14.80
KAR21			100	6.50	90.8	1.74	3.00	16.80
KAR21			125	-2.11	89.3	2.65	1.80	18.80
KAR21			160	-8.93	90.6	3.97	0.00	21.10
KAR21			200	-13.57	91.9	5.71	0.00	22.80
KAR22	7 015	7 017						
KAR22			20	24.48	63.9	0.00	5.60	7.60
KAR22			25	21.54	67.8	0.14	5.40	8.30
KAR22			32	20.57	73.3	0.21	5.20	9.20
KAR22			40	17.93	76.9	0.35	5.00	10.30
KAR22			50	16.99	82.0	0.49	4.70	11.50
KAR22			63	12.10	83.3	0.77	4.30	13.00
KAR22			80	8.45	86.1	1.12	3.70	14.80
KAR22			100	6.42	90.8	1.75	3.00	16.80
KAR22			125	-2.19	89.3	2.67	1.80	18.80
KAR22			160	-9.02	90.6	4.00	0.00	21.10
KAR22			200	-13.68	91.9	5.75	0.00	22.80
KAR23	7 578	7 581						
KAR23			20	23.81	63.9	0.00	5.60	7.60
KAR23			25	20.85	67.8	0.15	5.40	8.30
KAR23			32	19.88	73.3	0.23	5.20	9.20
KAR23			40	17.23	76.9	0.38	5.00	10.30
KAR23			50	16.28	82.0	0.53	4.70	11.50
KAR23			63	11.37	83.3	0.83	4.30	13.00
KAR23			80	7.69	86.1	1.21	3.70	14.80
KAR23			100	5.61	90.8	1.90	3.00	16.80
KAR23			125	-3.07	89.3	2.88	1.80	18.80
KAR23			160	-10.02	90.6	4.32	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			200	-14.81	91.9	6.22	0.00	22.80
KAR24	4 355	4 358						
KAR24			20	28.61	63.9	0.00	5.60	7.60
KAR24			25	25.73	67.8	0.09	5.40	8.30
KAR24			32	24.78	73.3	0.13	5.20	9.20
KAR24			40	22.20	76.9	0.22	5.00	10.30
KAR24			50	21.31	82.0	0.31	4.70	11.50
KAR24			63	16.53	83.3	0.48	4.30	13.00
KAR24			80	13.02	86.1	0.70	3.70	14.80
KAR24			100	11.22	90.8	1.09	3.00	16.80
KAR24			125	2.96	89.3	1.66	1.80	18.80
KAR24			160	-3.37	90.6	2.48	0.00	21.10
KAR24			200	-7.36	91.9	3.57	0.00	22.80
KAR25	3 448	3 452						
KAR25			20	30.64	63.9	0.00	5.60	7.60
KAR25			25	27.77	67.8	0.07	5.40	8.30
KAR25			32	26.83	73.3	0.10	5.20	9.20
KAR25			40	24.27	76.9	0.17	5.00	10.30
KAR25			50	23.40	82.0	0.24	4.70	11.50
KAR25			63	18.66	83.3	0.38	4.30	13.00
KAR25			80	15.19	86.1	0.55	3.70	14.80
KAR25			100	13.47	90.8	0.86	3.00	16.80
KAR25			125	5.33	89.3	1.31	1.80	18.80
KAR25			160	-0.83	90.6	1.97	0.00	21.10
KAR25			200	-4.59	91.9	2.83	0.00	22.80
MAA01	1 677	1 683						
MAA01			20	36.88	63.9	0.00	5.60	7.60
MAA01			25	34.04	67.8	0.03	5.40	8.30
MAA01			32	33.13	73.3	0.05	5.20	9.20
MAA01			40	30.59	76.9	0.08	5.00	10.30
MAA01			50	29.76	82.0	0.12	4.70	11.50
MAA01			63	25.09	83.3	0.19	4.30	13.00
MAA01			80	21.71	86.1	0.27	3.70	14.80
MAA01			100	20.16	90.8	0.42	3.00	16.80
MAA01			125	12.24	89.3	0.64	1.80	18.80
MAA01			160	6.42	90.6	0.96	0.00	21.10
MAA01			200	3.10	91.9	1.38	0.00	22.80
MAA03	1 983	1 988						
MAA03			20	35.43	63.9	0.00	5.60	7.60
MAA03			25	32.59	67.8	0.04	5.40	8.30
MAA03			32	31.67	73.3	0.06	5.20	9.20
MAA03			40	29.13	76.9	0.10	5.00	10.30
MAA03			50	28.29	82.0	0.14	4.70	11.50
MAA03			63	23.61	83.3	0.22	4.30	13.00
MAA03			80	20.21	86.1	0.32	3.70	14.80
MAA03			100	18.64	90.8	0.50	3.00	16.80
MAA03			125	10.68	89.3	0.76	1.80	18.80
MAA03			160	4.80	90.6	1.13	0.00	21.10
MAA03			200	1.40	91.9	1.63	0.00	22.80
MAA04	1 696	1 702						
MAA04			20	36.78	63.9	0.00	5.60	7.60
MAA04			25	33.95	67.8	0.03	5.40	8.30
MAA04			32	33.03	73.3	0.05	5.20	9.20
MAA04			40	30.50	76.9	0.09	5.00	10.30
MAA04			50	29.66	82.0	0.12	4.70	11.50
MAA04			63	24.99	83.3	0.19	4.30	13.00
MAA04			80	21.61	86.1	0.27	3.70	14.80
MAA04			100	20.06	90.8	0.43	3.00	16.80
MAA04			125	12.14	89.3	0.65	1.80	18.80
MAA04			160	6.31	90.6	0.97	0.00	21.10
MAA04			200	2.99	91.9	1.40	0.00	22.80
MAA05	2 385	2 389						
MAA05			20	33.84	63.9	0.00	5.60	7.60
MAA05			25	30.99	67.8	0.05	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			32	30.06	73.3	0.07	5.20	9.20
MAA05			40	27.52	76.9	0.12	5.00	10.30
MAA05			50	26.67	82.0	0.17	4.70	11.50
MAA05			63	21.97	83.3	0.26	4.30	13.00
MAA05			80	18.55	86.1	0.38	3.70	14.80
MAA05			100	16.94	90.8	0.60	3.00	16.80
MAA05			125	8.93	89.3	0.91	1.80	18.80
MAA05			160	2.97	90.6	1.36	0.00	21.10
MAA05			200	-0.52	91.9	1.96	0.00	22.80
MAA06	3 124	3 127						
MAA06			20	31.50	63.9	0.00	5.60	7.60
MAA06			25	28.64	67.8	0.06	5.40	8.30
MAA06			32	27.70	73.3	0.09	5.20	9.20
MAA06			40	25.14	76.9	0.16	5.00	10.30
MAA06			50	24.28	82.0	0.22	4.70	11.50
MAA06			63	19.55	83.3	0.34	4.30	13.00
MAA06			80	16.10	86.1	0.50	3.70	14.80
MAA06			100	14.42	90.8	0.78	3.00	16.80
MAA06			125	6.31	89.3	1.19	1.80	18.80
MAA06			160	0.22	90.6	1.78	0.00	21.10
MAA06			200	-3.47	91.9	2.56	0.00	22.80
MAA07	3 408	3 411						
MAA07			20	30.74	63.9	0.00	5.60	7.60
MAA07			25	27.87	67.8	0.07	5.40	8.30
MAA07			32	26.94	73.3	0.10	5.20	9.20
MAA07			40	24.37	76.9	0.17	5.00	10.30
MAA07			50	23.50	82.0	0.24	4.70	11.50
MAA07			63	18.77	83.3	0.38	4.30	13.00
MAA07			80	15.30	86.1	0.55	3.70	14.80
MAA07			100	13.59	90.8	0.85	3.00	16.80
MAA07			125	5.45	89.3	1.30	1.80	18.80
MAA07			160	-0.70	90.6	1.94	0.00	21.10
MAA07			200	-4.46	91.9	2.80	0.00	22.80
MAA08	3 637	3 640						
MAA08			20	30.18	63.9	0.00	5.60	7.60
MAA08			25	27.30	67.8	0.07	5.40	8.30
MAA08			32	26.37	73.3	0.11	5.20	9.20
MAA08			40	23.80	76.9	0.18	5.00	10.30
MAA08			50	22.92	82.0	0.25	4.70	11.50
MAA08			63	18.18	83.3	0.40	4.30	13.00
MAA08			80	14.70	86.1	0.58	3.70	14.80
MAA08			100	12.97	90.8	0.91	3.00	16.80
MAA08			125	4.79	89.3	1.38	1.80	18.80
MAA08			160	-1.40	90.6	2.07	0.00	21.10
MAA08			200	-5.21	91.9	2.98	0.00	22.80
RAH01	3 316	3 320						
RAH01			20	29.13	62.0	0.00	5.60	7.60
RAH01			25	27.56	67.2	0.07	5.40	8.30
RAH01			32	25.93	72.0	0.10	5.20	9.20
RAH01			40	24.54	76.8	0.17	5.00	10.30
RAH01			50	22.97	81.2	0.23	4.70	11.50
RAH01			63	20.74	85.0	0.37	4.30	13.00
RAH01			80	17.77	88.3	0.53	3.70	14.80
RAH01			100	14.15	91.1	0.83	3.00	16.80
RAH01			125	9.72	93.3	1.26	1.80	18.80
RAH01			160	3.96	95.0	1.89	0.00	21.10
RAH01			200	0.06	96.1	2.72	0.00	22.80
RAH02	3 339	3 343						
RAH02			20	29.07	62.0	0.00	5.60	7.60
RAH02			25	27.50	67.2	0.07	5.40	8.30
RAH02			32	25.87	72.0	0.10	5.20	9.20
RAH02			40	24.48	76.8	0.17	5.00	10.30
RAH02			50	22.91	81.2	0.23	4.70	11.50
RAH02			63	20.68	85.0	0.37	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH02			80	17.71	88.3	0.53	3.70	14.80
RAH02			100	14.08	91.1	0.84	3.00	16.80
RAH02			125	9.65	93.3	1.27	1.80	18.80
RAH02			160	3.89	95.0	1.91	0.00	21.10
RAH02			200	-0.02	96.1	2.74	0.00	22.80
RAH03	2 685	2 689						
RAH03			20	30.96	62.0	0.00	5.60	7.60
RAH03			25	29.40	67.2	0.05	5.40	8.30
RAH03			32	27.78	72.0	0.08	5.20	9.20
RAH03			40	26.40	76.8	0.13	5.00	10.30
RAH03			50	24.84	81.2	0.19	4.70	11.50
RAH03			63	22.64	85.0	0.30	4.30	13.00
RAH03			80	19.70	88.3	0.43	3.70	14.80
RAH03			100	16.14	91.1	0.67	3.00	16.80
RAH03			125	11.79	93.3	1.02	1.80	18.80
RAH03			160	6.15	95.0	1.53	0.00	21.10
RAH03			200	2.40	96.1	2.21	0.00	22.80
RAH04	3 376	3 379						
RAH04			20	28.97	62.0	0.00	5.60	7.60
RAH04			25	27.41	67.2	0.07	5.40	8.30
RAH04			32	25.77	72.0	0.10	5.20	9.20
RAH04			40	24.38	76.8	0.17	5.00	10.30
RAH04			50	22.81	81.2	0.24	4.70	11.50
RAH04			63	20.58	85.0	0.37	4.30	13.00
RAH04			80	17.61	88.3	0.54	3.70	14.80
RAH04			100	13.98	91.1	0.84	3.00	16.80
RAH04			125	9.54	93.3	1.28	1.80	18.80
RAH04			160	3.77	95.0	1.93	0.00	21.10
RAH04			200	-0.15	96.1	2.77	0.00	22.80
RAH05	2 567	2 572						
RAH05			20	31.34	62.0	0.00	5.60	7.60
RAH05			25	29.79	67.2	0.05	5.40	8.30
RAH05			32	28.17	72.0	0.08	5.20	9.20
RAH05			40	26.79	76.8	0.13	5.00	10.30
RAH05			50	25.24	81.2	0.18	4.70	11.50
RAH05			63	23.04	85.0	0.28	4.30	13.00
RAH05			80	20.11	88.3	0.41	3.70	14.80
RAH05			100	16.55	91.1	0.64	3.00	16.80
RAH05			125	12.22	93.3	0.98	1.80	18.80
RAH05			160	6.61	95.0	1.47	0.00	21.10
RAH05			200	2.89	96.1	2.11	0.00	22.80
RAH06	2 887	2 891						
RAH06			20	30.33	62.0	0.00	5.60	7.60
RAH06			25	28.77	67.2	0.06	5.40	8.30
RAH06			32	27.14	72.0	0.09	5.20	9.20
RAH06			40	25.76	76.8	0.14	5.00	10.30
RAH06			50	24.20	81.2	0.20	4.70	11.50
RAH06			63	21.98	85.0	0.32	4.30	13.00
RAH06			80	19.04	88.3	0.46	3.70	14.80
RAH06			100	15.46	91.1	0.72	3.00	16.80
RAH06			125	11.08	93.3	1.10	1.80	18.80
RAH06			160	5.41	95.0	1.65	0.00	21.10
RAH06			200	1.61	96.1	2.37	0.00	22.80
RAH07	4 509	4 511						
RAH07			20	26.46	62.0	0.00	5.60	7.60
RAH07			25	24.87	67.2	0.09	5.40	8.30
RAH07			32	23.23	72.0	0.14	5.20	9.20
RAH07			40	21.81	76.8	0.23	5.00	10.30
RAH07			50	20.22	81.2	0.32	4.70	11.50
RAH07			63	17.94	85.0	0.50	4.30	13.00
RAH07			80	14.92	88.3	0.72	3.70	14.80
RAH07			100	11.19	91.1	1.13	3.00	16.80
RAH07			125	6.60	93.3	1.71	1.80	18.80
RAH07			160	0.62	95.0	2.57	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			200	-3.59	96.1	3.70	0.00	22.80
RAH08	4 589	4 591						
RAH08			20	26.31	62.0	0.00	5.60	7.60
RAH08			25	24.72	67.2	0.09	5.40	8.30
RAH08			32	23.07	72.0	0.14	5.20	9.20
RAH08			40	21.66	76.8	0.23	5.00	10.30
RAH08			50	20.06	81.2	0.32	4.70	11.50
RAH08			63	17.78	85.0	0.51	4.30	13.00
RAH08			80	14.75	88.3	0.73	3.70	14.80
RAH08			100	11.01	91.1	1.15	3.00	16.80
RAH08			125	6.42	93.3	1.74	1.80	18.80
RAH08			160	0.42	95.0	2.62	0.00	21.10
RAH08			200	-3.80	96.1	3.76	0.00	22.80
RAH09	3 809	3 812						
RAH09			20	27.93	62.0	0.00	5.60	7.60
RAH09			25	26.35	67.2	0.08	5.40	8.30
RAH09			32	24.71	72.0	0.11	5.20	9.20
RAH09			40	23.31	76.8	0.19	5.00	10.30
RAH09			50	21.73	81.2	0.27	4.70	11.50
RAH09			63	19.48	85.0	0.42	4.30	13.00
RAH09			80	16.49	88.3	0.61	3.70	14.80
RAH09			100	12.82	91.1	0.95	3.00	16.80
RAH09			125	8.33	93.3	1.45	1.80	18.80
RAH09			160	2.48	95.0	2.17	0.00	21.10
RAH09			200	-1.55	96.1	3.13	0.00	22.80
RAH10	4 180	4 183						
RAH10			20	27.12	62.0	0.00	5.60	7.60
RAH10			25	25.54	67.2	0.08	5.40	8.30
RAH10			32	23.89	72.0	0.13	5.20	9.20
RAH10			40	22.49	76.8	0.21	5.00	10.30
RAH10			50	20.90	81.2	0.29	4.70	11.50
RAH10			63	18.63	85.0	0.46	4.30	13.00
RAH10			80	15.63	88.3	0.67	3.70	14.80
RAH10			100	11.92	91.1	1.05	3.00	16.80
RAH10			125	7.38	93.3	1.59	1.80	18.80
RAH10			160	1.46	95.0	2.38	0.00	21.10
RAH10			200	-2.66	96.1	3.43	0.00	22.80
RAH11	2 982	2 986						
RAH11			20	30.05	62.0	0.00	5.60	7.60
RAH11			25	28.49	67.2	0.06	5.40	8.30
RAH11			32	26.86	72.0	0.09	5.20	9.20
RAH11			40	25.47	76.8	0.15	5.00	10.30
RAH11			50	23.91	81.2	0.21	4.70	11.50
RAH11			63	21.69	85.0	0.33	4.30	13.00
RAH11			80	18.75	88.3	0.48	3.70	14.80
RAH11			100	15.15	91.1	0.75	3.00	16.80
RAH11			125	10.76	93.3	1.13	1.80	18.80
RAH11			160	5.07	95.0	1.70	0.00	21.10
RAH11			200	1.25	96.1	2.45	0.00	22.80
RAH12	3 706	3 709						
RAH12			20	28.16	62.0	0.00	5.60	7.60
RAH12			25	26.59	67.2	0.07	5.40	8.30
RAH12			32	24.95	72.0	0.11	5.20	9.20
RAH12			40	23.55	76.8	0.19	5.00	10.30
RAH12			50	21.98	81.2	0.26	4.70	11.50
RAH12			63	19.73	85.0	0.41	4.30	13.00
RAH12			80	16.74	88.3	0.59	3.70	14.80
RAH12			100	13.09	91.1	0.93	3.00	16.80
RAH12			125	8.60	93.3	1.41	1.80	18.80
RAH12			160	2.78	95.0	2.11	0.00	21.10
RAH12			200	-1.23	96.1	3.04	0.00	22.80
RAH13	3 637	3 641						
RAH13			20	28.32	62.0	0.00	5.60	7.60
RAH13			25	26.75	67.2	0.07	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			32	25.12	72.0	0.11	5.20	9.20
RAH13			40	23.72	76.8	0.18	5.00	10.30
RAH13			50	22.15	81.2	0.25	4.70	11.50
RAH13			63	19.90	85.0	0.40	4.30	13.00
RAH13			80	16.92	88.3	0.58	3.70	14.80
RAH13			100	13.27	91.1	0.91	3.00	16.80
RAH13			125	8.79	93.3	1.38	1.80	18.80
RAH13			160	2.98	95.0	2.08	0.00	21.10
RAH13			200	-1.01	96.1	2.99	0.00	22.80
RAH14	2 991	2 995						
RAH14			20	30.02	62.0	0.00	5.60	7.60
RAH14			25	28.46	67.2	0.06	5.40	8.30
RAH14			32	26.83	72.0	0.09	5.20	9.20
RAH14			40	25.45	76.8	0.15	5.00	10.30
RAH14			50	23.89	81.2	0.21	4.70	11.50
RAH14			63	21.67	85.0	0.33	4.30	13.00
RAH14			80	18.72	88.3	0.48	3.70	14.80
RAH14			100	15.12	91.1	0.75	3.00	16.80
RAH14			125	10.73	93.3	1.14	1.80	18.80
RAH14			160	5.04	95.0	1.71	0.00	21.10
RAH14			200	1.21	96.1	2.46	0.00	22.80
RAH15	3 883	3 887						
RAH15			20	27.76	62.0	0.00	5.60	7.60
RAH15			25	26.18	67.2	0.08	5.40	8.30
RAH15			32	24.54	72.0	0.12	5.20	9.20
RAH15			40	23.14	76.8	0.19	5.00	10.30
RAH15			50	21.56	81.2	0.27	4.70	11.50
RAH15			63	19.30	85.0	0.43	4.30	13.00
RAH15			80	16.31	88.3	0.62	3.70	14.80
RAH15			100	12.64	91.1	0.97	3.00	16.80
RAH15			125	8.13	93.3	1.48	1.80	18.80
RAH15			160	2.27	95.0	2.22	0.00	21.10
RAH15			200	-1.78	96.1	3.19	0.00	22.80
RAH16	4 469	4 471						
RAH16			20	26.54	62.0	0.00	5.60	7.60
RAH16			25	24.95	67.2	0.09	5.40	8.30
RAH16			32	23.31	72.0	0.13	5.20	9.20
RAH16			40	21.89	76.8	0.22	5.00	10.30
RAH16			50	20.30	81.2	0.31	4.70	11.50
RAH16			63	18.02	85.0	0.49	4.30	13.00
RAH16			80	15.00	88.3	0.72	3.70	14.80
RAH16			100	11.27	91.1	1.12	3.00	16.80
RAH16			125	6.69	93.3	1.70	1.80	18.80
RAH16			160	0.72	95.0	2.55	0.00	21.10
RAH16			200	-3.48	96.1	3.67	0.00	22.80
RAH17	3 026	3 031						
RAH17			20	29.92	62.0	0.00	5.60	7.60
RAH17			25	28.35	67.2	0.06	5.40	8.30
RAH17			32	26.72	72.0	0.09	5.20	9.20
RAH17			40	25.34	76.8	0.15	5.00	10.30
RAH17			50	23.78	81.2	0.21	4.70	11.50
RAH17			63	21.56	85.0	0.33	4.30	13.00
RAH17			80	18.61	88.3	0.49	3.70	14.80
RAH17			100	15.01	91.1	0.76	3.00	16.80
RAH17			125	10.62	93.3	1.15	1.80	18.80
RAH17			160	4.91	95.0	1.73	0.00	21.10
RAH17			200	1.08	96.1	2.49	0.00	22.80
RAH18	3 605	3 609						
RAH18			20	28.40	62.0	0.00	5.60	7.60
RAH18			25	26.83	67.2	0.07	5.40	8.30
RAH18			32	25.19	72.0	0.11	5.20	9.20
RAH18			40	23.79	76.8	0.18	5.00	10.30
RAH18			50	22.22	81.2	0.25	4.70	11.50
RAH18			63	19.98	85.0	0.40	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH18			80	17.00	88.3	0.58	3.70	14.80
RAH18			100	13.35	91.1	0.90	3.00	16.80
RAH18			125	8.88	93.3	1.37	1.80	18.80
RAH18			160	3.07	95.0	2.06	0.00	21.10
RAH18			200	-0.91	96.1	2.96	0.00	22.80
RAH19	3 701	3 705						
RAH19			20	28.17	62.0	0.00	5.60	7.60
RAH19			25	26.60	67.2	0.07	5.40	8.30
RAH19			32	24.96	72.0	0.11	5.20	9.20
RAH19			40	23.56	76.8	0.19	5.00	10.30
RAH19			50	21.99	81.2	0.26	4.70	11.50
RAH19			63	19.74	85.0	0.41	4.30	13.00
RAH19			80	16.75	88.3	0.59	3.70	14.80
RAH19			100	13.10	91.1	0.93	3.00	16.80
RAH19			125	8.62	93.3	1.41	1.80	18.80
RAH19			160	2.79	95.0	2.11	0.00	21.10
RAH19			200	-1.21	96.1	3.04	0.00	22.80
SIL01	9 607	9 609						
SIL01			20	21.17	63.3	0.00	5.60	7.60
SIL01			25	19.37	68.4	0.19	5.40	8.30
SIL01			32	13.39	68.9	0.29	5.20	9.20
SIL01			40	10.29	72.1	0.48	5.00	10.30
SIL01			50	8.90	76.8	0.67	4.70	11.50
SIL01			63	5.60	79.8	1.06	4.30	13.00
SIL01			80	1.82	82.6	1.54	3.70	14.80
SIL01			100	-1.73	86.0	2.40	3.00	16.80
SIL01			125	-5.92	89.3	3.65	1.80	18.80
SIL01			160	-15.65	88.2	5.48	0.00	21.10
SIL01			200	-20.44	90.0	7.88	0.00	22.80
SIL02	9 122	9 123						
SIL02			20	21.62	63.3	0.00	5.60	7.60
SIL02			25	19.83	68.4	0.18	5.40	8.30
SIL02			32	13.85	68.9	0.27	5.20	9.20
SIL02			40	10.76	72.1	0.46	5.00	10.30
SIL02			50	9.38	76.8	0.64	4.70	11.50
SIL02			63	6.10	79.8	1.00	4.30	13.00
SIL02			80	2.35	82.6	1.46	3.70	14.80
SIL02			100	-1.15	86.0	2.28	3.00	16.80
SIL02			125	-5.28	89.3	3.47	1.80	18.80
SIL02			160	-14.92	88.2	5.20	0.00	21.10
SIL02			200	-19.60	90.0	7.48	0.00	22.80
SIL03	8 502	8 503						
SIL03			20	22.23	63.3	0.00	5.60	7.60
SIL03			25	20.46	68.4	0.17	5.40	8.30
SIL03			32	14.48	68.9	0.26	5.20	9.20
SIL03			40	11.41	72.1	0.43	5.00	10.30
SIL03			50	10.04	76.8	0.60	4.70	11.50
SIL03			63	6.78	79.8	0.94	4.30	13.00
SIL03			80	3.06	82.6	1.36	3.70	14.80
SIL03			100	-0.39	86.0	2.13	3.00	16.80
SIL03			125	-4.43	89.3	3.23	1.80	18.80
SIL03			160	-13.96	88.2	4.85	0.00	21.10
SIL03			200	-18.48	90.0	6.97	0.00	22.80
SIL04	8 486	8 488						
SIL04			20	22.25	63.3	0.00	5.60	7.60
SIL04			25	20.47	68.4	0.17	5.40	8.30
SIL04			32	14.50	68.9	0.25	5.20	9.20
SIL04			40	11.42	72.1	0.42	5.00	10.30
SIL04			50	10.05	76.8	0.59	4.70	11.50
SIL04			63	6.80	79.8	0.93	4.30	13.00
SIL04			80	3.08	82.6	1.36	3.70	14.80
SIL04			100	-0.37	86.0	2.12	3.00	16.80
SIL04			125	-4.41	89.3	3.23	1.80	18.80
SIL04			160	-13.93	88.2	4.84	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			200	-18.45	90.0	6.96	0.00	22.80
SIL05	9 338	9 339						
SIL05			20	21.42	63.3	0.00	5.60	7.60
SIL05			25	19.62	68.4	0.19	5.40	8.30
SIL05			32	13.64	68.9	0.28	5.20	9.20
SIL05			40	10.55	72.1	0.47	5.00	10.30
SIL05			50	9.16	76.8	0.65	4.70	11.50
SIL05			63	5.87	79.8	1.03	4.30	13.00
SIL05			80	2.11	82.6	1.49	3.70	14.80
SIL05			100	-1.41	86.0	2.33	3.00	16.80
SIL05			125	-5.57	89.3	3.55	1.80	18.80
SIL05			160	-15.25	88.2	5.32	0.00	21.10
SIL05			200	-19.98	90.0	7.66	0.00	22.80
SIL06	8 972	8 974						
SIL06			20	21.76	63.3	0.00	5.60	7.60
SIL06			25	19.98	68.4	0.18	5.40	8.30
SIL06			32	14.00	68.9	0.27	5.20	9.20
SIL06			40	10.92	72.1	0.45	5.00	10.30
SIL06			50	9.54	76.8	0.63	4.70	11.50
SIL06			63	6.26	79.8	0.99	4.30	13.00
SIL06			80	2.52	82.6	1.44	3.70	14.80
SIL06			100	-0.97	86.0	2.24	3.00	16.80
SIL06			125	-5.08	89.3	3.41	1.80	18.80
SIL06			160	-14.69	88.2	5.12	0.00	21.10
SIL06			200	-19.33	90.0	7.36	0.00	22.80
SIL07	8 408	8 409						
SIL07			20	22.33	63.3	0.00	5.60	7.60
SIL07			25	20.55	68.4	0.17	5.40	8.30
SIL07			32	14.58	68.9	0.25	5.20	9.20
SIL07			40	11.51	72.1	0.42	5.00	10.30
SIL07			50	10.14	76.8	0.59	4.70	11.50
SIL07			63	6.89	79.8	0.92	4.30	13.00
SIL07			80	3.17	82.6	1.35	3.70	14.80
SIL07			100	-0.27	86.0	2.10	3.00	16.80
SIL07			125	-4.30	89.3	3.20	1.80	18.80
SIL07			160	-13.81	88.2	4.79	0.00	21.10
SIL07			200	-18.30	90.0	6.90	0.00	22.80
SIL08	8 749	8 751						
SIL08			20	21.98	63.3	0.00	5.60	7.60
SIL08			25	20.20	68.4	0.18	5.40	8.30
SIL08			32	14.23	68.9	0.26	5.20	9.20
SIL08			40	11.15	72.1	0.44	5.00	10.30
SIL08			50	9.77	76.8	0.61	4.70	11.50
SIL08			63	6.50	79.8	0.96	4.30	13.00
SIL08			80	2.77	82.6	1.40	3.70	14.80
SIL08			100	-0.70	86.0	2.19	3.00	16.80
SIL08			125	-4.78	89.3	3.33	1.80	18.80
SIL08			160	-14.35	88.2	4.99	0.00	21.10
SIL08			200	-18.93	90.0	7.18	0.00	22.80
Sum								
Sum			20	46.81				
Sum			25	44.42				
Sum			32	43.14				
Sum			40	41.01				
Sum			50	39.87				
Sum			63	36.25				
Sum			80	33.04				
Sum			100	30.40				
Sum			125	24.28				
Sum			160	18.39				
Sum			200	14.58				

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Noise sensitive area: X Noise sensitive point: Finnish normal frequency - User defined (51)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 959	3 964						
KAR01			20	29.44	63.9	0.00	5.60	7.60
KAR01			25	26.56	67.8	0.08	5.40	8.30
KAR01			32	25.62	73.3	0.12	5.20	9.20
KAR01			40	23.04	76.9	0.20	5.00	10.30
KAR01			50	22.16	82.0	0.28	4.70	11.50
KAR01			63	17.40	83.3	0.44	4.30	13.00
KAR01			80	13.90	86.1	0.63	3.70	14.80
KAR01			100	12.15	90.8	0.99	3.00	16.80
KAR01			125	3.93	89.3	1.51	1.80	18.80
KAR01			160	-2.32	90.6	2.26	0.00	21.10
KAR01			200	-6.21	91.9	3.25	0.00	22.80
KAR02	3 801	3 805						
KAR02			20	29.79	63.9	0.00	5.60	7.60
KAR02			25	26.92	67.8	0.08	5.40	8.30
KAR02			32	25.98	73.3	0.11	5.20	9.20
KAR02			40	23.40	76.9	0.19	5.00	10.30
KAR02			50	22.53	82.0	0.27	4.70	11.50
KAR02			63	17.77	83.3	0.42	4.30	13.00
KAR02			80	14.28	86.1	0.61	3.70	14.80
KAR02			100	12.54	90.8	0.95	3.00	16.80
KAR02			125	4.35	89.3	1.45	1.80	18.80
KAR02			160	-1.88	90.6	2.17	0.00	21.10
KAR02			200	-5.73	91.9	3.12	0.00	22.80
KAR03	4 180	4 185						
KAR03			20	28.97	63.9	0.00	5.60	7.60
KAR03			25	26.08	67.8	0.08	5.40	8.30
KAR03			32	25.14	73.3	0.13	5.20	9.20
KAR03			40	22.56	76.9	0.21	5.00	10.30
KAR03			50	21.67	82.0	0.29	4.70	11.50
KAR03			63	16.91	83.3	0.46	4.30	13.00
KAR03			80	13.40	86.1	0.67	3.70	14.80
KAR03			100	11.62	90.8	1.05	3.00	16.80
KAR03			125	3.38	89.3	1.59	1.80	18.80
KAR03			160	-2.92	90.6	2.39	0.00	21.10
KAR03			200	-6.87	91.9	3.43	0.00	22.80
KAR04	4 753	4 757						
KAR04			20	27.85	63.9	0.00	5.60	7.60
KAR04			25	24.96	67.8	0.10	5.40	8.30
KAR04			32	24.01	73.3	0.14	5.20	9.20
KAR04			40	21.42	76.9	0.24	5.00	10.30
KAR04			50	20.52	82.0	0.33	4.70	11.50
KAR04			63	15.73	83.3	0.52	4.30	13.00
KAR04			80	12.19	86.1	0.76	3.70	14.80
KAR04			100	10.36	90.8	1.19	3.00	16.80
KAR04			125	2.05	89.3	1.81	1.80	18.80
KAR04			160	-4.36	90.6	2.71	0.00	21.10
KAR04			200	-8.45	91.9	3.90	0.00	22.80
KAR05	5 322	5 326						
KAR05			20	26.87	63.9	0.00	5.60	7.60
KAR05			25	23.97	67.8	0.11	5.40	8.30
KAR05			32	23.01	73.3	0.16	5.20	9.20
KAR05			40	20.41	76.9	0.27	5.00	10.30
KAR05			50	19.50	82.0	0.37	4.70	11.50
KAR05			63	14.69	83.3	0.59	4.30	13.00
KAR05			80	11.12	86.1	0.85	3.70	14.80
KAR05			100	9.24	90.8	1.33	3.00	16.80
KAR05			125	0.85	89.3	2.02	1.80	18.80
KAR05			160	-5.66	90.6	3.04	0.00	21.10
KAR05			200	-9.89	91.9	4.37	0.00	22.80
KAR06	4 714	4 718						
KAR06			20	27.93	63.9	0.00	5.60	7.60
KAR06			25	25.03	67.8	0.09	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			32	24.08	73.3	0.14	5.20	9.20
KAR06			40	21.49	76.9	0.24	5.00	10.30
KAR06			50	20.60	82.0	0.33	4.70	11.50
KAR06			63	15.81	83.3	0.52	4.30	13.00
KAR06			80	12.27	86.1	0.75	3.70	14.80
KAR06			100	10.45	90.8	1.18	3.00	16.80
KAR06			125	2.13	89.3	1.79	1.80	18.80
KAR06			160	-4.26	90.6	2.69	0.00	21.10
KAR06			200	-8.34	91.9	3.87	0.00	22.80
KAR07	4 560	4 564						
KAR07			20	28.21	63.9	0.00	5.60	7.60
KAR07			25	25.32	67.8	0.09	5.40	8.30
KAR07			32	24.38	73.3	0.14	5.20	9.20
KAR07			40	21.79	76.9	0.23	5.00	10.30
KAR07			50	20.89	82.0	0.32	4.70	11.50
KAR07			63	16.11	83.3	0.50	4.30	13.00
KAR07			80	12.58	86.1	0.73	3.70	14.80
KAR07			100	10.77	90.8	1.14	3.00	16.80
KAR07			125	2.48	89.3	1.73	1.80	18.80
KAR07			160	-3.89	90.6	2.60	0.00	21.10
KAR07			200	-7.93	91.9	3.74	0.00	22.80
KAR08	4 604	4 607						
KAR08			20	28.13	63.9	0.00	5.60	7.60
KAR08			25	25.24	67.8	0.09	5.40	8.30
KAR08			32	24.29	73.3	0.14	5.20	9.20
KAR08			40	21.70	76.9	0.23	5.00	10.30
KAR08			50	20.81	82.0	0.32	4.70	11.50
KAR08			63	16.02	83.3	0.51	4.30	13.00
KAR08			80	12.49	86.1	0.74	3.70	14.80
KAR08			100	10.68	90.8	1.15	3.00	16.80
KAR08			125	2.38	89.3	1.75	1.80	18.80
KAR08			160	-3.99	90.6	2.63	0.00	21.10
KAR08			200	-8.05	91.9	3.78	0.00	22.80
KAR09	5 782	5 785						
KAR09			20	26.15	63.9	0.00	5.60	7.60
KAR09			25	23.24	67.8	0.12	5.40	8.30
KAR09			32	22.28	73.3	0.17	5.20	9.20
KAR09			40	19.66	76.9	0.29	5.00	10.30
KAR09			50	18.75	82.0	0.40	4.70	11.50
KAR09			63	13.92	83.3	0.64	4.30	13.00
KAR09			80	10.33	86.1	0.93	3.70	14.80
KAR09			100	8.41	90.8	1.45	3.00	16.80
KAR09			125	-0.04	89.3	2.20	1.80	18.80
KAR09			160	-6.64	90.6	3.30	0.00	21.10
KAR09			200	-10.99	91.9	4.74	0.00	22.80
KAR10	5 446	5 450						
KAR10			20	26.67	63.9	0.00	5.60	7.60
KAR10			25	23.76	67.8	0.11	5.40	8.30
KAR10			32	22.81	73.3	0.16	5.20	9.20
KAR10			40	20.20	76.9	0.27	5.00	10.30
KAR10			50	19.29	82.0	0.38	4.70	11.50
KAR10			63	14.47	83.3	0.60	4.30	13.00
KAR10			80	10.90	86.1	0.87	3.70	14.80
KAR10			100	9.01	90.8	1.36	3.00	16.80
KAR10			125	0.60	89.3	2.07	1.80	18.80
KAR10			160	-5.93	90.6	3.11	0.00	21.10
KAR10			200	-10.20	91.9	4.47	0.00	22.80
KAR11	5 221	5 224						
KAR11			20	27.04	63.9	0.00	5.60	7.60
KAR11			25	24.13	67.8	0.10	5.40	8.30
KAR11			32	23.18	73.3	0.16	5.20	9.20
KAR11			40	20.58	76.9	0.26	5.00	10.30
KAR11			50	19.67	82.0	0.37	4.70	11.50
KAR11			63	14.86	83.3	0.57	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			80	11.30	86.1	0.84	3.70	14.80
KAR11			100	9.43	90.8	1.31	3.00	16.80
KAR11			125	1.05	89.3	1.99	1.80	18.80
KAR11			160	-5.44	90.6	2.98	0.00	21.10
KAR11			200	-9.64	91.9	4.28	0.00	22.80
KAR12	5 946	5 949						
KAR12			20	25.91	63.9	0.00	5.60	7.60
KAR12			25	22.99	67.8	0.12	5.40	8.30
KAR12			32	22.03	73.3	0.18	5.20	9.20
KAR12			40	19.41	76.9	0.30	5.00	10.30
KAR12			50	18.49	82.0	0.42	4.70	11.50
KAR12			63	13.66	83.3	0.65	4.30	13.00
KAR12			80	10.06	86.1	0.95	3.70	14.80
KAR12			100	8.12	90.8	1.49	3.00	16.80
KAR12			125	-0.35	89.3	2.26	1.80	18.80
KAR12			160	-6.98	90.6	3.39	0.00	21.10
KAR12			200	-11.37	91.9	4.88	0.00	22.80
KAR13	5 596	5 599						
KAR13			20	26.44	63.9	0.00	5.60	7.60
KAR13			25	23.53	67.8	0.11	5.40	8.30
KAR13			32	22.57	73.3	0.17	5.20	9.20
KAR13			40	19.96	76.9	0.28	5.00	10.30
KAR13			50	19.05	82.0	0.39	4.70	11.50
KAR13			63	14.22	83.3	0.62	4.30	13.00
KAR13			80	10.64	86.1	0.90	3.70	14.80
KAR13			100	8.74	90.8	1.40	3.00	16.80
KAR13			125	0.31	89.3	2.13	1.80	18.80
KAR13			160	-6.25	90.6	3.19	0.00	21.10
KAR13			200	-10.55	91.9	4.59	0.00	22.80
KAR14	6 357	6 360						
KAR14			20	25.33	63.9	0.00	5.60	7.60
KAR14			25	22.40	67.8	0.13	5.40	8.30
KAR14			32	21.44	73.3	0.19	5.20	9.20
KAR14			40	18.81	76.9	0.32	5.00	10.30
KAR14			50	17.89	82.0	0.45	4.70	11.50
KAR14			63	13.03	83.3	0.70	4.30	13.00
KAR14			80	9.41	86.1	1.02	3.70	14.80
KAR14			100	7.44	90.8	1.59	3.00	16.80
KAR14			125	-1.09	89.3	2.42	1.80	18.80
KAR14			160	-7.79	90.6	3.63	0.00	21.10
KAR14			200	-12.28	91.9	5.22	0.00	22.80
KAR15	5 576	5 579						
KAR15			20	26.47	63.9	0.00	5.60	7.60
KAR15			25	23.56	67.8	0.11	5.40	8.30
KAR15			32	22.60	73.3	0.17	5.20	9.20
KAR15			40	19.99	76.9	0.28	5.00	10.30
KAR15			50	19.08	82.0	0.39	4.70	11.50
KAR15			63	14.25	83.3	0.61	4.30	13.00
KAR15			80	10.68	86.1	0.89	3.70	14.80
KAR15			100	8.77	90.8	1.39	3.00	16.80
KAR15			125	0.35	89.3	2.12	1.80	18.80
KAR15			160	-6.21	90.6	3.18	0.00	21.10
KAR15			200	-10.51	91.9	4.58	0.00	22.80
KAR16	6 628	6 631						
KAR16			20	24.97	63.9	0.00	5.60	7.60
KAR16			25	22.04	67.8	0.13	5.40	8.30
KAR16			32	21.07	73.3	0.20	5.20	9.20
KAR16			40	18.44	76.9	0.33	5.00	10.30
KAR16			50	17.50	82.0	0.46	4.70	11.50
KAR16			63	12.64	83.3	0.73	4.30	13.00
KAR16			80	9.01	86.1	1.06	3.70	14.80
KAR16			100	7.01	90.8	1.66	3.00	16.80
KAR16			125	-1.55	89.3	2.52	1.80	18.80
KAR16			160	-8.31	90.6	3.78	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			200	-12.87	91.9	5.44	0.00	22.80
KAR17	6 513	6 515						
KAR17			20	25.12	63.9	0.00	5.60	7.60
KAR17			25	22.19	67.8	0.13	5.40	8.30
KAR17			32	21.23	73.3	0.20	5.20	9.20
KAR17			40	18.60	76.9	0.33	5.00	10.30
KAR17			50	17.67	82.0	0.46	4.70	11.50
KAR17			63	12.80	83.3	0.72	4.30	13.00
KAR17			80	9.18	86.1	1.04	3.70	14.80
KAR17			100	7.19	90.8	1.63	3.00	16.80
KAR17			125	-1.35	89.3	2.48	1.80	18.80
KAR17			160	-8.09	90.6	3.71	0.00	21.10
KAR17			200	-12.62	91.9	5.34	0.00	22.80
KAR18	7 086	7 089						
KAR18			20	24.39	63.9	0.00	5.60	7.60
KAR18			25	21.45	67.8	0.14	5.40	8.30
KAR18			32	20.48	73.3	0.21	5.20	9.20
KAR18			40	17.83	76.9	0.35	5.00	10.30
KAR18			50	16.89	82.0	0.50	4.70	11.50
KAR18			63	12.01	83.3	0.78	4.30	13.00
KAR18			80	8.35	86.1	1.13	3.70	14.80
KAR18			100	6.32	90.8	1.77	3.00	16.80
KAR18			125	-2.31	89.3	2.69	1.80	18.80
KAR18			160	-9.15	90.6	4.04	0.00	21.10
KAR18			200	-13.82	91.9	5.81	0.00	22.80
KAR19	6 321	6 324						
KAR19			20	25.38	63.9	0.00	5.60	7.60
KAR19			25	22.45	67.8	0.13	5.40	8.30
KAR19			32	21.49	73.3	0.19	5.20	9.20
KAR19			40	18.86	76.9	0.32	5.00	10.30
KAR19			50	17.94	82.0	0.44	4.70	11.50
KAR19			63	13.08	83.3	0.70	4.30	13.00
KAR19			80	9.47	86.1	1.01	3.70	14.80
KAR19			100	7.50	90.8	1.58	3.00	16.80
KAR19			125	-1.02	89.3	2.40	1.80	18.80
KAR19			160	-7.72	90.6	3.60	0.00	21.10
KAR19			200	-12.21	91.9	5.19	0.00	22.80
KAR20	7 147	7 149						
KAR20			20	24.31	63.9	0.00	5.60	7.60
KAR20			25	21.37	67.8	0.14	5.40	8.30
KAR20			32	20.40	73.3	0.21	5.20	9.20
KAR20			40	17.76	76.9	0.36	5.00	10.30
KAR20			50	16.81	82.0	0.50	4.70	11.50
KAR20			63	11.93	83.3	0.79	4.30	13.00
KAR20			80	8.27	86.1	1.14	3.70	14.80
KAR20			100	6.23	90.8	1.79	3.00	16.80
KAR20			125	-2.40	89.3	2.72	1.80	18.80
KAR20			160	-9.26	90.6	4.08	0.00	21.10
KAR20			200	-13.95	91.9	5.86	0.00	22.80
KAR21	6 933	6 935						
KAR21			20	24.58	63.9	0.00	5.60	7.60
KAR21			25	21.64	67.8	0.14	5.40	8.30
KAR21			32	20.67	73.3	0.21	5.20	9.20
KAR21			40	18.03	76.9	0.35	5.00	10.30
KAR21			50	17.09	82.0	0.49	4.70	11.50
KAR21			63	12.22	83.3	0.76	4.30	13.00
KAR21			80	8.57	86.1	1.11	3.70	14.80
KAR21			100	6.54	90.8	1.73	3.00	16.80
KAR21			125	-2.06	89.3	2.64	1.80	18.80
KAR21			160	-8.87	90.6	3.95	0.00	21.10
KAR21			200	-13.51	91.9	5.69	0.00	22.80
KAR22	6 988	6 991						
KAR22			20	24.51	63.9	0.00	5.60	7.60
KAR22			25	21.57	67.8	0.14	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			32	20.60	73.3	0.21	5.20	9.20
KAR22			40	17.96	76.9	0.35	5.00	10.30
KAR22			50	17.02	82.0	0.49	4.70	11.50
KAR22			63	12.14	83.3	0.77	4.30	13.00
KAR22			80	8.49	86.1	1.12	3.70	14.80
KAR22			100	6.46	90.8	1.75	3.00	16.80
KAR22			125	-2.15	89.3	2.66	1.80	18.80
KAR22			160	-8.98	90.6	3.98	0.00	21.10
KAR22			200	-13.62	91.9	5.73	0.00	22.80
KAR23	7 550	7 552						
KAR23			20	23.84	63.9	0.00	5.60	7.60
KAR23			25	20.89	67.8	0.15	5.40	8.30
KAR23			32	19.91	73.3	0.23	5.20	9.20
KAR23			40	17.26	76.9	0.38	5.00	10.30
KAR23			50	16.31	82.0	0.53	4.70	11.50
KAR23			63	11.41	83.3	0.83	4.30	13.00
KAR23			80	7.73	86.1	1.21	3.70	14.80
KAR23			100	5.65	90.8	1.89	3.00	16.80
KAR23			125	-3.03	89.3	2.87	1.80	18.80
KAR23			160	-9.97	90.6	4.30	0.00	21.10
KAR23			200	-14.75	91.9	6.19	0.00	22.80
KAR24	4 296	4 300						
KAR24			20	28.73	63.9	0.00	5.60	7.60
KAR24			25	25.85	67.8	0.09	5.40	8.30
KAR24			32	24.90	73.3	0.13	5.20	9.20
KAR24			40	22.32	76.9	0.21	5.00	10.30
KAR24			50	21.43	82.0	0.30	4.70	11.50
KAR24			63	16.66	83.3	0.47	4.30	13.00
KAR24			80	13.14	86.1	0.69	3.70	14.80
KAR24			100	11.36	90.8	1.07	3.00	16.80
KAR24			125	3.10	89.3	1.63	1.80	18.80
KAR24			160	-3.22	90.6	2.45	0.00	21.10
KAR24			200	-7.19	91.9	3.53	0.00	22.80
KAR25	3 401	3 406						
KAR25			20	30.76	63.9	0.00	5.60	7.60
KAR25			25	27.89	67.8	0.07	5.40	8.30
KAR25			32	26.95	73.3	0.10	5.20	9.20
KAR25			40	24.39	76.9	0.17	5.00	10.30
KAR25			50	23.52	82.0	0.24	4.70	11.50
KAR25			63	18.78	83.3	0.37	4.30	13.00
KAR25			80	15.31	86.1	0.54	3.70	14.80
KAR25			100	13.60	90.8	0.85	3.00	16.80
KAR25			125	5.46	89.3	1.29	1.80	18.80
KAR25			160	-0.69	90.6	1.94	0.00	21.10
KAR25			200	-4.44	91.9	2.79	0.00	22.80
MAA01	1 712	1 718						
MAA01			20	36.70	63.9	0.00	5.60	7.60
MAA01			25	33.87	67.8	0.03	5.40	8.30
MAA01			32	32.95	73.3	0.05	5.20	9.20
MAA01			40	30.41	76.9	0.09	5.00	10.30
MAA01			50	29.58	82.0	0.12	4.70	11.50
MAA01			63	24.91	83.3	0.19	4.30	13.00
MAA01			80	21.52	86.1	0.27	3.70	14.80
MAA01			100	19.97	90.8	0.43	3.00	16.80
MAA01			125	12.05	89.3	0.65	1.80	18.80
MAA01			160	6.22	90.6	0.98	0.00	21.10
MAA01			200	2.89	91.9	1.41	0.00	22.80
MAA03	2 036	2 041						
MAA03			20	35.20	63.9	0.00	5.60	7.60
MAA03			25	32.36	67.8	0.04	5.40	8.30
MAA03			32	31.44	73.3	0.06	5.20	9.20
MAA03			40	28.90	76.9	0.10	5.00	10.30
MAA03			50	28.06	82.0	0.14	4.70	11.50
MAA03			63	23.38	83.3	0.22	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			80	19.98	86.1	0.33	3.70	14.80
MAA03			100	18.39	90.8	0.51	3.00	16.80
MAA03			125	10.43	89.3	0.78	1.80	18.80
MAA03			160	4.54	90.6	1.16	0.00	21.10
MAA03			200	1.13	91.9	1.67	0.00	22.80
MAA04	1 762	1 768						
MAA04			20	36.45	63.9	0.00	5.60	7.60
MAA04			25	33.62	67.8	0.04	5.40	8.30
MAA04			32	32.70	73.3	0.05	5.20	9.20
MAA04			40	30.16	76.9	0.09	5.00	10.30
MAA04			50	29.33	82.0	0.12	4.70	11.50
MAA04			63	24.66	83.3	0.19	4.30	13.00
MAA04			80	21.27	86.1	0.28	3.70	14.80
MAA04			100	19.71	90.8	0.44	3.00	16.80
MAA04			125	11.78	89.3	0.67	1.80	18.80
MAA04			160	5.94	90.6	1.01	0.00	21.10
MAA04			200	2.60	91.9	1.45	0.00	22.80
MAA05	2 447	2 451						
MAA05			20	33.61	63.9	0.00	5.60	7.60
MAA05			25	30.76	67.8	0.05	5.40	8.30
MAA05			32	29.84	73.3	0.07	5.20	9.20
MAA05			40	27.29	76.9	0.12	5.00	10.30
MAA05			50	26.44	82.0	0.17	4.70	11.50
MAA05			63	21.74	83.3	0.27	4.30	13.00
MAA05			80	18.32	86.1	0.39	3.70	14.80
MAA05			100	16.70	90.8	0.61	3.00	16.80
MAA05			125	8.68	89.3	0.93	1.80	18.80
MAA05			160	2.72	90.6	1.40	0.00	21.10
MAA05			200	-0.80	91.9	2.01	0.00	22.80
MAA06	3 190	3 193						
MAA06			20	31.32	63.9	0.00	5.60	7.60
MAA06			25	28.45	67.8	0.06	5.40	8.30
MAA06			32	27.52	73.3	0.10	5.20	9.20
MAA06			40	24.96	76.9	0.16	5.00	10.30
MAA06			50	24.09	82.0	0.22	4.70	11.50
MAA06			63	19.37	83.3	0.35	4.30	13.00
MAA06			80	15.91	86.1	0.51	3.70	14.80
MAA06			100	14.22	90.8	0.80	3.00	16.80
MAA06			125	6.10	89.3	1.21	1.80	18.80
MAA06			160	0.00	90.6	1.82	0.00	21.10
MAA06			200	-3.70	91.9	2.62	0.00	22.80
MAA07	3 473	3 476						
MAA07			20	30.58	63.9	0.00	5.60	7.60
MAA07			25	27.71	67.8	0.07	5.40	8.30
MAA07			32	26.77	73.3	0.10	5.20	9.20
MAA07			40	24.20	76.9	0.17	5.00	10.30
MAA07			50	23.33	82.0	0.24	4.70	11.50
MAA07			63	18.60	83.3	0.38	4.30	13.00
MAA07			80	15.12	86.1	0.56	3.70	14.80
MAA07			100	13.41	90.8	0.87	3.00	16.80
MAA07			125	5.26	89.3	1.32	1.80	18.80
MAA07			160	-0.90	90.6	1.98	0.00	21.10
MAA07			200	-4.67	91.9	2.85	0.00	22.80
MAA08	3 700	3 703						
MAA08			20	30.03	63.9	0.00	5.60	7.60
MAA08			25	27.15	67.8	0.07	5.40	8.30
MAA08			32	26.22	73.3	0.11	5.20	9.20
MAA08			40	23.64	76.9	0.19	5.00	10.30
MAA08			50	22.77	82.0	0.26	4.70	11.50
MAA08			63	18.02	83.3	0.41	4.30	13.00
MAA08			80	14.54	86.1	0.59	3.70	14.80
MAA08			100	12.80	90.8	0.93	3.00	16.80
MAA08			125	4.62	89.3	1.41	1.80	18.80
MAA08			160	-1.58	90.6	2.11	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			200	-5.41	91.9	3.04	0.00	22.80
RAH01	3 336	3 339						
RAH01			20	29.08	62.0	0.00	5.60	7.60
RAH01			25	27.51	67.2	0.07	5.40	8.30
RAH01			32	25.88	72.0	0.10	5.20	9.20
RAH01			40	24.48	76.8	0.17	5.00	10.30
RAH01			50	22.92	81.2	0.23	4.70	11.50
RAH01			63	20.68	85.0	0.37	4.30	13.00
RAH01			80	17.72	88.3	0.53	3.70	14.80
RAH01			100	14.09	91.1	0.83	3.00	16.80
RAH01			125	9.66	93.3	1.27	1.80	18.80
RAH01			160	3.90	95.0	1.90	0.00	21.10
RAH01			200	-0.01	96.1	2.74	0.00	22.80
RAH02	3 374	3 377						
RAH02			20	28.98	62.0	0.00	5.60	7.60
RAH02			25	27.41	67.2	0.07	5.40	8.30
RAH02			32	25.78	72.0	0.10	5.20	9.20
RAH02			40	24.38	76.8	0.17	5.00	10.30
RAH02			50	22.82	81.2	0.24	4.70	11.50
RAH02			63	20.58	85.0	0.37	4.30	13.00
RAH02			80	17.61	88.3	0.54	3.70	14.80
RAH02			100	13.98	91.1	0.84	3.00	16.80
RAH02			125	9.55	93.3	1.28	1.80	18.80
RAH02			160	3.78	95.0	1.93	0.00	21.10
RAH02			200	-0.14	96.1	2.77	0.00	22.80
RAH03	2 710	2 715						
RAH03			20	30.87	62.0	0.00	5.60	7.60
RAH03			25	29.32	67.2	0.05	5.40	8.30
RAH03			32	27.69	72.0	0.08	5.20	9.20
RAH03			40	26.31	76.8	0.14	5.00	10.30
RAH03			50	24.76	81.2	0.19	4.70	11.50
RAH03			63	22.55	85.0	0.30	4.30	13.00
RAH03			80	19.62	88.3	0.43	3.70	14.80
RAH03			100	16.05	91.1	0.68	3.00	16.80
RAH03			125	11.69	93.3	1.03	1.80	18.80
RAH03			160	6.05	95.0	1.55	0.00	21.10
RAH03			200	2.30	96.1	2.23	0.00	22.80
RAH04	3 421	3 424						
RAH04			20	28.86	62.0	0.00	5.60	7.60
RAH04			25	27.29	67.2	0.07	5.40	8.30
RAH04			32	25.65	72.0	0.10	5.20	9.20
RAH04			40	24.26	76.8	0.17	5.00	10.30
RAH04			50	22.69	81.2	0.24	4.70	11.50
RAH04			63	20.46	85.0	0.38	4.30	13.00
RAH04			80	17.48	88.3	0.55	3.70	14.80
RAH04			100	13.85	91.1	0.86	3.00	16.80
RAH04			125	9.41	93.3	1.30	1.80	18.80
RAH04			160	3.63	95.0	1.95	0.00	21.10
RAH04			200	-0.30	96.1	2.81	0.00	22.80
RAH05	2 613	2 617						
RAH05			20	31.19	62.0	0.00	5.60	7.60
RAH05			25	29.64	67.2	0.05	5.40	8.30
RAH05			32	28.01	72.0	0.08	5.20	9.20
RAH05			40	26.64	76.8	0.13	5.00	10.30
RAH05			50	25.08	81.2	0.18	4.70	11.50
RAH05			63	22.88	85.0	0.29	4.30	13.00
RAH05			80	19.95	88.3	0.42	3.70	14.80
RAH05			100	16.39	91.1	0.65	3.00	16.80
RAH05			125	12.05	93.3	0.99	1.80	18.80
RAH05			160	6.43	95.0	1.49	0.00	21.10
RAH05			200	2.70	96.1	2.15	0.00	22.80
RAH06	2 943	2 947						
RAH06			20	30.16	62.0	0.00	5.60	7.60
RAH06			25	28.60	67.2	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			32	26.97	72.0	0.09	5.20	9.20
RAH06			40	25.59	76.8	0.15	5.00	10.30
RAH06			50	24.03	81.2	0.21	4.70	11.50
RAH06			63	21.81	85.0	0.32	4.30	13.00
RAH06			80	18.86	88.3	0.47	3.70	14.80
RAH06			100	15.27	91.1	0.74	3.00	16.80
RAH06			125	10.89	93.3	1.12	1.80	18.80
RAH06			160	5.21	95.0	1.68	0.00	21.10
RAH06			200	1.39	96.1	2.42	0.00	22.80
RAH07	4 569	4 571						
RAH07			20	26.35	62.0	0.00	5.60	7.60
RAH07			25	24.76	67.2	0.09	5.40	8.30
RAH07			32	23.11	72.0	0.14	5.20	9.20
RAH07			40	21.69	76.8	0.23	5.00	10.30
RAH07			50	20.10	81.2	0.32	4.70	11.50
RAH07			63	17.82	85.0	0.50	4.30	13.00
RAH07			80	14.79	88.3	0.73	3.70	14.80
RAH07			100	11.06	91.1	1.14	3.00	16.80
RAH07			125	6.46	93.3	1.74	1.80	18.80
RAH07			160	0.47	95.0	2.61	0.00	21.10
RAH07			200	-3.75	96.1	3.75	0.00	22.80
RAH08	4 643	4 646						
RAH08			20	26.21	62.0	0.00	5.60	7.60
RAH08			25	24.61	67.2	0.09	5.40	8.30
RAH08			32	22.97	72.0	0.14	5.20	9.20
RAH08			40	21.55	76.8	0.23	5.00	10.30
RAH08			50	19.96	81.2	0.33	4.70	11.50
RAH08			63	17.67	85.0	0.51	4.30	13.00
RAH08			80	14.64	88.3	0.74	3.70	14.80
RAH08			100	10.90	91.1	1.16	3.00	16.80
RAH08			125	6.29	93.3	1.77	1.80	18.80
RAH08			160	0.29	95.0	2.65	0.00	21.10
RAH08			200	-3.95	96.1	3.81	0.00	22.80
RAH09	3 865	3 868						
RAH09			20	27.80	62.0	0.00	5.60	7.60
RAH09			25	26.22	67.2	0.08	5.40	8.30
RAH09			32	24.58	72.0	0.12	5.20	9.20
RAH09			40	23.18	76.8	0.19	5.00	10.30
RAH09			50	21.60	81.2	0.27	4.70	11.50
RAH09			63	19.35	85.0	0.43	4.30	13.00
RAH09			80	16.35	88.3	0.62	3.70	14.80
RAH09			100	12.68	91.1	0.97	3.00	16.80
RAH09			125	8.18	93.3	1.47	1.80	18.80
RAH09			160	2.32	95.0	2.20	0.00	21.10
RAH09			200	-1.72	96.1	3.17	0.00	22.80
RAH10	4 229	4 232						
RAH10			20	27.02	62.0	0.00	5.60	7.60
RAH10			25	25.43	67.2	0.08	5.40	8.30
RAH10			32	23.79	72.0	0.13	5.20	9.20
RAH10			40	22.38	76.8	0.21	5.00	10.30
RAH10			50	20.80	81.2	0.30	4.70	11.50
RAH10			63	18.53	85.0	0.47	4.30	13.00
RAH10			80	15.52	88.3	0.68	3.70	14.80
RAH10			100	11.81	91.1	1.06	3.00	16.80
RAH10			125	7.26	93.3	1.61	1.80	18.80
RAH10			160	1.33	95.0	2.41	0.00	21.10
RAH10			200	-2.80	96.1	3.47	0.00	22.80
RAH11	2 983	2 987						
RAH11			20	30.04	62.0	0.00	5.60	7.60
RAH11			25	28.48	67.2	0.06	5.40	8.30
RAH11			32	26.85	72.0	0.09	5.20	9.20
RAH11			40	25.47	76.8	0.15	5.00	10.30
RAH11			50	23.91	81.2	0.21	4.70	11.50
RAH11			63	21.69	85.0	0.33	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			80	18.74	88.3	0.48	3.70	14.80
RAH11			100	15.15	91.1	0.75	3.00	16.80
RAH11			125	10.76	93.3	1.14	1.80	18.80
RAH11			160	5.07	95.0	1.70	0.00	21.10
RAH11			200	1.25	96.1	2.45	0.00	22.80
RAH12	3 706	3 709						
RAH12			20	28.16	62.0	0.00	5.60	7.60
RAH12			25	26.59	67.2	0.07	5.40	8.30
RAH12			32	24.95	72.0	0.11	5.20	9.20
RAH12			40	23.55	76.8	0.19	5.00	10.30
RAH12			50	21.98	81.2	0.26	4.70	11.50
RAH12			63	19.73	85.0	0.41	4.30	13.00
RAH12			80	16.75	88.3	0.59	3.70	14.80
RAH12			100	13.09	91.1	0.93	3.00	16.80
RAH12			125	8.61	93.3	1.41	1.80	18.80
RAH12			160	2.78	95.0	2.11	0.00	21.10
RAH12			200	-1.23	96.1	3.04	0.00	22.80
RAH13	3 621	3 624						
RAH13			20	28.36	62.0	0.00	5.60	7.60
RAH13			25	26.79	67.2	0.07	5.40	8.30
RAH13			32	25.16	72.0	0.11	5.20	9.20
RAH13			40	23.76	76.8	0.18	5.00	10.30
RAH13			50	22.19	81.2	0.25	4.70	11.50
RAH13			63	19.94	85.0	0.40	4.30	13.00
RAH13			80	16.96	88.3	0.58	3.70	14.80
RAH13			100	13.31	91.1	0.91	3.00	16.80
RAH13			125	8.84	93.3	1.38	1.80	18.80
RAH13			160	3.03	95.0	2.07	0.00	21.10
RAH13			200	-0.96	96.1	2.97	0.00	22.80
RAH14	2 973	2 977						
RAH14			20	30.07	62.0	0.00	5.60	7.60
RAH14			25	28.51	67.2	0.06	5.40	8.30
RAH14			32	26.88	72.0	0.09	5.20	9.20
RAH14			40	25.50	76.8	0.15	5.00	10.30
RAH14			50	23.94	81.2	0.21	4.70	11.50
RAH14			63	21.72	85.0	0.33	4.30	13.00
RAH14			80	18.77	88.3	0.48	3.70	14.80
RAH14			100	15.18	91.1	0.74	3.00	16.80
RAH14			125	10.79	93.3	1.13	1.80	18.80
RAH14			160	5.10	95.0	1.70	0.00	21.10
RAH14			200	1.28	96.1	2.44	0.00	22.80
RAH15	3 849	3 853						
RAH15			20	27.83	62.0	0.00	5.60	7.60
RAH15			25	26.26	67.2	0.08	5.40	8.30
RAH15			32	24.62	72.0	0.12	5.20	9.20
RAH15			40	23.22	76.8	0.19	5.00	10.30
RAH15			50	21.64	81.2	0.27	4.70	11.50
RAH15			63	19.38	85.0	0.42	4.30	13.00
RAH15			80	16.39	88.3	0.62	3.70	14.80
RAH15			100	12.72	91.1	0.96	3.00	16.80
RAH15			125	8.22	93.3	1.46	1.80	18.80
RAH15			160	2.36	95.0	2.20	0.00	21.10
RAH15			200	-1.68	96.1	3.16	0.00	22.80
RAH16	4 445	4 448						
RAH16			20	26.59	62.0	0.00	5.60	7.60
RAH16			25	25.00	67.2	0.09	5.40	8.30
RAH16			32	23.35	72.0	0.13	5.20	9.20
RAH16			40	21.94	76.8	0.22	5.00	10.30
RAH16			50	20.35	81.2	0.31	4.70	11.50
RAH16			63	18.07	85.0	0.49	4.30	13.00
RAH16			80	15.05	88.3	0.71	3.70	14.80
RAH16			100	11.33	91.1	1.11	3.00	16.80
RAH16			125	6.75	93.3	1.69	1.80	18.80
RAH16			160	0.78	95.0	2.54	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			200	-3.41	96.1	3.65	0.00	22.80
RAH17	2 976	2 981						
RAH17			20	30.06	62.0	0.00	5.60	7.60
RAH17			25	28.50	67.2	0.06	5.40	8.30
RAH17			32	26.87	72.0	0.09	5.20	9.20
RAH17			40	25.49	76.8	0.15	5.00	10.30
RAH17			50	23.93	81.2	0.21	4.70	11.50
RAH17			63	21.71	85.0	0.33	4.30	13.00
RAH17			80	18.76	88.3	0.48	3.70	14.80
RAH17			100	15.17	91.1	0.75	3.00	16.80
RAH17			125	10.78	93.3	1.13	1.80	18.80
RAH17			160	5.09	95.0	1.70	0.00	21.10
RAH17			200	1.27	96.1	2.44	0.00	22.80
RAH18	3 560	3 564						
RAH18			20	28.51	62.0	0.00	5.60	7.60
RAH18			25	26.94	67.2	0.07	5.40	8.30
RAH18			32	25.30	72.0	0.11	5.20	9.20
RAH18			40	23.91	76.8	0.18	5.00	10.30
RAH18			50	22.33	81.2	0.25	4.70	11.50
RAH18			63	20.09	85.0	0.39	4.30	13.00
RAH18			80	17.11	88.3	0.57	3.70	14.80
RAH18			100	13.47	91.1	0.89	3.00	16.80
RAH18			125	9.01	93.3	1.35	1.80	18.80
RAH18			160	3.20	95.0	2.03	0.00	21.10
RAH18			200	-0.76	96.1	2.92	0.00	22.80
RAH19	3 645	3 649						
RAH19			20	28.31	62.0	0.00	5.60	7.60
RAH19			25	26.73	67.2	0.07	5.40	8.30
RAH19			32	25.10	72.0	0.11	5.20	9.20
RAH19			40	23.70	76.8	0.18	5.00	10.30
RAH19			50	22.13	81.2	0.26	4.70	11.50
RAH19			63	19.88	85.0	0.40	4.30	13.00
RAH19			80	16.90	88.3	0.58	3.70	14.80
RAH19			100	13.24	91.1	0.91	3.00	16.80
RAH19			125	8.77	93.3	1.39	1.80	18.80
RAH19			160	2.95	95.0	2.08	0.00	21.10
RAH19			200	-1.04	96.1	2.99	0.00	22.80
SIL01	9 554	9 555						
SIL01			20	21.22	63.3	0.00	5.60	7.60
SIL01			25	19.42	68.4	0.19	5.40	8.30
SIL01			32	13.44	68.9	0.29	5.20	9.20
SIL01			40	10.34	72.1	0.48	5.00	10.30
SIL01			50	8.95	76.8	0.67	4.70	11.50
SIL01			63	5.65	79.8	1.05	4.30	13.00
SIL01			80	1.88	82.6	1.53	3.70	14.80
SIL01			100	-1.66	86.0	2.39	3.00	16.80
SIL01			125	-5.85	89.3	3.63	1.80	18.80
SIL01			160	-15.57	88.2	5.45	0.00	21.10
SIL01			200	-20.35	90.0	7.84	0.00	22.80
SIL02	9 065	9 067						
SIL02			20	21.67	63.3	0.00	5.60	7.60
SIL02			25	19.89	68.4	0.18	5.40	8.30
SIL02			32	13.91	68.9	0.27	5.20	9.20
SIL02			40	10.82	72.1	0.45	5.00	10.30
SIL02			50	9.44	76.8	0.63	4.70	11.50
SIL02			63	6.16	79.8	1.00	4.30	13.00
SIL02			80	2.41	82.6	1.45	3.70	14.80
SIL02			100	-1.09	86.0	2.27	3.00	16.80
SIL02			125	-5.21	89.3	3.45	1.80	18.80
SIL02			160	-14.83	88.2	5.17	0.00	21.10
SIL02			200	-19.50	90.0	7.43	0.00	22.80
SIL03	8 443	8 445						
SIL03			20	22.29	63.3	0.00	5.60	7.60
SIL03			25	20.52	68.4	0.17	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			32	14.54	68.9	0.25	5.20	9.20
SIL03			40	11.47	72.1	0.42	5.00	10.30
SIL03			50	10.10	76.8	0.59	4.70	11.50
SIL03			63	6.85	79.8	0.93	4.30	13.00
SIL03			80	3.13	82.6	1.35	3.70	14.80
SIL03			100	-0.31	86.0	2.11	3.00	16.80
SIL03			125	-4.35	89.3	3.21	1.80	18.80
SIL03			160	-13.86	88.2	4.81	0.00	21.10
SIL03			200	-18.37	90.0	6.92	0.00	22.80
SIL04	8 431	8 432						
SIL04			20	22.30	63.3	0.00	5.60	7.60
SIL04			25	20.53	68.4	0.17	5.40	8.30
SIL04			32	14.56	68.9	0.25	5.20	9.20
SIL04			40	11.48	72.1	0.42	5.00	10.30
SIL04			50	10.11	76.8	0.59	4.70	11.50
SIL04			63	6.86	79.8	0.93	4.30	13.00
SIL04			80	3.14	82.6	1.35	3.70	14.80
SIL04			100	-0.30	86.0	2.11	3.00	16.80
SIL04			125	-4.33	89.3	3.20	1.80	18.80
SIL04			160	-13.84	88.2	4.81	0.00	21.10
SIL04			200	-18.34	90.0	6.91	0.00	22.80
SIL05	9 287	9 289						
SIL05			20	21.46	63.3	0.00	5.60	7.60
SIL05			25	19.67	68.4	0.19	5.40	8.30
SIL05			32	13.69	68.9	0.28	5.20	9.20
SIL05			40	10.60	72.1	0.46	5.00	10.30
SIL05			50	9.21	76.8	0.65	4.70	11.50
SIL05			63	5.93	79.8	1.02	4.30	13.00
SIL05			80	2.17	82.6	1.49	3.70	14.80
SIL05			100	-1.35	86.0	2.32	3.00	16.80
SIL05			125	-5.50	89.3	3.53	1.80	18.80
SIL05			160	-15.17	88.2	5.29	0.00	21.10
SIL05			200	-19.89	90.0	7.62	0.00	22.80
SIL06	8 919	8 921						
SIL06			20	21.82	63.3	0.00	5.60	7.60
SIL06			25	20.03	68.4	0.18	5.40	8.30
SIL06			32	14.05	68.9	0.27	5.20	9.20
SIL06			40	10.97	72.1	0.45	5.00	10.30
SIL06			50	9.59	76.8	0.62	4.70	11.50
SIL06			63	6.32	79.8	0.98	4.30	13.00
SIL06			80	2.58	82.6	1.43	3.70	14.80
SIL06			100	-0.91	86.0	2.23	3.00	16.80
SIL06			125	-5.01	89.3	3.39	1.80	18.80
SIL06			160	-14.61	88.2	5.08	0.00	21.10
SIL06			200	-19.23	90.0	7.31	0.00	22.80
SIL07	8 355	8 357						
SIL07			20	22.38	63.3	0.00	5.60	7.60
SIL07			25	20.61	68.4	0.17	5.40	8.30
SIL07			32	14.64	68.9	0.25	5.20	9.20
SIL07			40	11.56	72.1	0.42	5.00	10.30
SIL07			50	10.20	76.8	0.58	4.70	11.50
SIL07			63	6.95	79.8	0.92	4.30	13.00
SIL07			80	3.23	82.6	1.34	3.70	14.80
SIL07			100	-0.20	86.0	2.09	3.00	16.80
SIL07			125	-4.23	89.3	3.18	1.80	18.80
SIL07			160	-13.72	88.2	4.76	0.00	21.10
SIL07			200	-18.20	90.0	6.85	0.00	22.80
SIL08	8 699	8 701						
SIL08			20	22.03	63.3	0.00	5.60	7.60
SIL08			25	20.25	68.4	0.17	5.40	8.30
SIL08			32	14.28	68.9	0.26	5.20	9.20
SIL08			40	11.20	72.1	0.44	5.00	10.30
SIL08			50	9.82	76.8	0.61	4.70	11.50
SIL08			63	6.56	79.8	0.96	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			80	2.83	82.6	1.39	3.70	14.80
SIL08			100	-0.64	86.0	2.18	3.00	16.80
SIL08			125	-4.71	89.3	3.31	1.80	18.80
SIL08			160	-14.27	88.2	4.96	0.00	21.10
SIL08			200	-18.84	90.0	7.13	0.00	22.80
Sum								
Sum			20	46.73				
Sum			25	44.34				
Sum			32	43.06				
Sum			40	40.94				
Sum			50	39.79				
Sum			63	36.18				
Sum			80	32.97				
Sum			100	30.32				
Sum			125	24.22				
Sum			160	18.32				
Sum			200	14.50				

Noise sensitive area: Y Noise sensitive point: Finnish normal frequency - User defined (10)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	5 789	5 792						
KAR01			20	26.14	63.9	0.00	5.60	7.60
KAR01			25	23.23	67.8	0.12	5.40	8.30
KAR01			32	22.27	73.3	0.17	5.20	9.20
KAR01			40	19.65	76.9	0.29	5.00	10.30
KAR01			50	18.74	82.0	0.41	4.70	11.50
KAR01			63	13.91	83.3	0.64	4.30	13.00
KAR01			80	10.32	86.1	0.93	3.70	14.80
KAR01			100	8.40	90.8	1.45	3.00	16.80
KAR01			125	-0.06	89.3	2.20	1.80	18.80
KAR01			160	-6.66	90.6	3.30	0.00	21.10
KAR01			200	-11.01	91.9	4.75	0.00	22.80
KAR02	5 176	5 180						
KAR02			20	27.11	63.9	0.00	5.60	7.60
KAR02			25	24.21	67.8	0.10	5.40	8.30
KAR02			32	23.26	73.3	0.16	5.20	9.20
KAR02			40	20.66	76.9	0.26	5.00	10.30
KAR02			50	19.75	82.0	0.36	4.70	11.50
KAR02			63	14.94	83.3	0.57	4.30	13.00
KAR02			80	11.39	86.1	0.83	3.70	14.80
KAR02			100	9.52	90.8	1.29	3.00	16.80
KAR02			125	1.15	89.3	1.97	1.80	18.80
KAR02			160	-5.34	90.6	2.95	0.00	21.10
KAR02			200	-9.53	91.9	4.25	0.00	22.80
KAR03	5 754	5 757						
KAR03			20	26.20	63.9	0.00	5.60	7.60
KAR03			25	23.28	67.8	0.12	5.40	8.30
KAR03			32	22.32	73.3	0.17	5.20	9.20
KAR03			40	19.71	76.9	0.29	5.00	10.30
KAR03			50	18.79	82.0	0.40	4.70	11.50
KAR03			63	13.96	83.3	0.63	4.30	13.00
KAR03			80	10.37	86.1	0.92	3.70	14.80
KAR03			100	8.46	90.8	1.44	3.00	16.80
KAR03			125	0.01	89.3	2.19	1.80	18.80
KAR03			160	-6.59	90.6	3.28	0.00	21.10
KAR03			200	-10.92	91.9	4.72	0.00	22.80
KAR04	6 445	6 448						
KAR04			20	25.21	63.9	0.00	5.60	7.60
KAR04			25	22.28	67.8	0.13	5.40	8.30
KAR04			32	21.32	73.3	0.19	5.20	9.20
KAR04			40	18.69	76.9	0.32	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			50	17.76	82.0	0.45	4.70	11.50
KAR04			63	12.90	83.3	0.71	4.30	13.00
KAR04			80	9.28	86.1	1.03	3.70	14.80
KAR04			100	7.30	90.8	1.61	3.00	16.80
KAR04			125	-1.24	89.3	2.45	1.80	18.80
KAR04			160	-7.96	90.6	3.68	0.00	21.10
KAR04			200	-12.47	91.9	5.29	0.00	22.80
KAR05	7 118	7 121						
KAR05			20	24.35	63.9	0.00	5.60	7.60
KAR05			25	21.41	67.8	0.14	5.40	8.30
KAR05			32	20.44	73.3	0.21	5.20	9.20
KAR05			40	17.79	76.9	0.36	5.00	10.30
KAR05			50	16.85	82.0	0.50	4.70	11.50
KAR05			63	11.97	83.3	0.78	4.30	13.00
KAR05			80	8.31	86.1	1.14	3.70	14.80
KAR05			100	6.27	90.8	1.78	3.00	16.80
KAR05			125	-2.36	89.3	2.71	1.80	18.80
KAR05			160	-9.21	90.6	4.06	0.00	21.10
KAR05			200	-13.89	91.9	5.84	0.00	22.80
KAR06	6 067	6 070						
KAR06			20	25.74	63.9	0.00	5.60	7.60
KAR06			25	22.81	67.8	0.12	5.40	8.30
KAR06			32	21.85	73.3	0.18	5.20	9.20
KAR06			40	19.23	76.9	0.30	5.00	10.30
KAR06			50	18.31	82.0	0.42	4.70	11.50
KAR06			63	13.47	83.3	0.67	4.30	13.00
KAR06			80	9.87	86.1	0.97	3.70	14.80
KAR06			100	7.92	90.8	1.52	3.00	16.80
KAR06			125	-0.57	89.3	2.31	1.80	18.80
KAR06			160	-7.22	90.6	3.46	0.00	21.10
KAR06			200	-11.64	91.9	4.98	0.00	22.80
KAR07	5 592	5 595						
KAR07			20	26.44	63.9	0.00	5.60	7.60
KAR07			25	23.53	67.8	0.11	5.40	8.30
KAR07			32	22.58	73.3	0.17	5.20	9.20
KAR07			40	19.96	76.9	0.28	5.00	10.30
KAR07			50	19.05	82.0	0.39	4.70	11.50
KAR07			63	14.23	83.3	0.62	4.30	13.00
KAR07			80	10.65	86.1	0.90	3.70	14.80
KAR07			100	8.75	90.8	1.40	3.00	16.80
KAR07			125	0.32	89.3	2.13	1.80	18.80
KAR07			160	-6.25	90.6	3.19	0.00	21.10
KAR07			200	-10.54	91.9	4.59	0.00	22.80
KAR08	5 255	5 258						
KAR08			20	26.98	63.9	0.00	5.60	7.60
KAR08			25	24.08	67.8	0.11	5.40	8.30
KAR08			32	23.13	73.3	0.16	5.20	9.20
KAR08			40	20.52	76.9	0.26	5.00	10.30
KAR08			50	19.62	82.0	0.37	4.70	11.50
KAR08			63	14.80	83.3	0.58	4.30	13.00
KAR08			80	11.24	86.1	0.84	3.70	14.80
KAR08			100	9.37	90.8	1.31	3.00	16.80
KAR08			125	0.99	89.3	2.00	1.80	18.80
KAR08			160	-5.51	90.6	3.00	0.00	21.10
KAR08			200	-9.73	91.9	4.31	0.00	22.80
KAR09	7 432	7 435						
KAR09			20	23.97	63.9	0.00	5.60	7.60
KAR09			25	21.03	67.8	0.15	5.40	8.30
KAR09			32	20.05	73.3	0.22	5.20	9.20
KAR09			40	17.40	76.9	0.37	5.00	10.30
KAR09			50	16.45	82.0	0.52	4.70	11.50
KAR09			63	11.56	83.3	0.82	4.30	13.00
KAR09			80	7.89	86.1	1.19	3.70	14.80
KAR09			100	5.82	90.8	1.86	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			125	-2.85	89.3	2.83	1.80	18.80
KAR09			160	-9.76	90.6	4.24	0.00	21.10
KAR09			200	-14.52	91.9	6.10	0.00	22.80
KAR10	6 932	6 935						
KAR10			20	24.58	63.9	0.00	5.60	7.60
KAR10			25	21.64	67.8	0.14	5.40	8.30
KAR10			32	20.67	73.3	0.21	5.20	9.20
KAR10			40	18.03	76.9	0.35	5.00	10.30
KAR10			50	17.09	82.0	0.49	4.70	11.50
KAR10			63	12.22	83.3	0.76	4.30	13.00
KAR10			80	8.57	86.1	1.11	3.70	14.80
KAR10			100	6.54	90.8	1.73	3.00	16.80
KAR10			125	-2.06	89.3	2.64	1.80	18.80
KAR10			160	-8.87	90.6	3.95	0.00	21.10
KAR10			200	-13.51	91.9	5.69	0.00	22.80
KAR11	6 319	6 321						
KAR11			20	25.38	63.9	0.00	5.60	7.60
KAR11			25	22.46	67.8	0.13	5.40	8.30
KAR11			32	21.49	73.3	0.19	5.20	9.20
KAR11			40	18.87	76.9	0.32	5.00	10.30
KAR11			50	17.94	82.0	0.44	4.70	11.50
KAR11			63	13.09	83.3	0.70	4.30	13.00
KAR11			80	9.47	86.1	1.01	3.70	14.80
KAR11			100	7.50	90.8	1.58	3.00	16.80
KAR11			125	-1.02	89.3	2.40	1.80	18.80
KAR11			160	-7.72	90.6	3.60	0.00	21.10
KAR11			200	-12.20	91.9	5.18	0.00	22.80
KAR12	7 236	7 238						
KAR12			20	24.21	63.9	0.00	5.60	7.60
KAR12			25	21.26	67.8	0.14	5.40	8.30
KAR12			32	20.29	73.3	0.22	5.20	9.20
KAR12			40	17.65	76.9	0.36	5.00	10.30
KAR12			50	16.70	82.0	0.51	4.70	11.50
KAR12			63	11.81	83.3	0.80	4.30	13.00
KAR12			80	8.15	86.1	1.16	3.70	14.80
KAR12			100	6.10	90.8	1.81	3.00	16.80
KAR12			125	-2.54	89.3	2.75	1.80	18.80
KAR12			160	-9.42	90.6	4.13	0.00	21.10
KAR12			200	-14.13	91.9	5.94	0.00	22.80
KAR13	6 497	6 499						
KAR13			20	25.14	63.9	0.00	5.60	7.60
KAR13			25	22.21	67.8	0.13	5.40	8.30
KAR13			32	21.25	73.3	0.19	5.20	9.20
KAR13			40	18.62	76.9	0.32	5.00	10.30
KAR13			50	17.69	82.0	0.45	4.70	11.50
KAR13			63	12.83	83.3	0.71	4.30	13.00
KAR13			80	9.20	86.1	1.04	3.70	14.80
KAR13			100	7.22	90.8	1.62	3.00	16.80
KAR13			125	-1.33	89.3	2.47	1.80	18.80
KAR13			160	-8.06	90.6	3.70	0.00	21.10
KAR13			200	-12.59	91.9	5.33	0.00	22.80
KAR14	7 772	7 775						
KAR14			20	23.59	63.9	0.00	5.60	7.60
KAR14			25	20.63	67.8	0.16	5.40	8.30
KAR14			32	19.65	73.3	0.23	5.20	9.20
KAR14			40	17.00	76.9	0.39	5.00	10.30
KAR14			50	16.04	82.0	0.54	4.70	11.50
KAR14			63	11.13	83.3	0.86	4.30	13.00
KAR14			80	7.44	86.1	1.24	3.70	14.80
KAR14			100	5.34	90.8	1.94	3.00	16.80
KAR14			125	-3.37	89.3	2.95	1.80	18.80
KAR14			160	-10.35	90.6	4.43	0.00	21.10
KAR14			200	-15.19	91.9	6.38	0.00	22.80
KAR15	6 224	6 227						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			20	25.51	63.9	0.00	5.60	7.60
KAR15			25	22.59	67.8	0.12	5.40	8.30
KAR15			32	21.63	73.3	0.19	5.20	9.20
KAR15			40	19.00	76.9	0.31	5.00	10.30
KAR15			50	18.08	82.0	0.44	4.70	11.50
KAR15			63	13.23	83.3	0.68	4.30	13.00
KAR15			80	9.62	86.1	1.00	3.70	14.80
KAR15			100	7.66	90.8	1.56	3.00	16.80
KAR15			125	-0.85	89.3	2.37	1.80	18.80
KAR15			160	-7.53	90.6	3.55	0.00	21.10
KAR15			200	-11.99	91.9	5.11	0.00	22.80
KAR16	7 836	7 838						
KAR16			20	23.52	63.9	0.00	5.60	7.60
KAR16			25	20.56	67.8	0.16	5.40	8.30
KAR16			32	19.58	73.3	0.24	5.20	9.20
KAR16			40	16.92	76.9	0.39	5.00	10.30
KAR16			50	15.97	82.0	0.55	4.70	11.50
KAR16			63	11.05	83.3	0.86	4.30	13.00
KAR16			80	7.36	86.1	1.25	3.70	14.80
KAR16			100	5.26	90.8	1.96	3.00	16.80
KAR16			125	-3.46	89.3	2.98	1.80	18.80
KAR16			160	-10.45	90.6	4.47	0.00	21.10
KAR16			200	-15.31	91.9	6.43	0.00	22.80
KAR17	7 508	7 511						
KAR17			20	23.89	63.9	0.00	5.60	7.60
KAR17			25	20.94	67.8	0.15	5.40	8.30
KAR17			32	19.96	73.3	0.23	5.20	9.20
KAR17			40	17.31	76.9	0.38	5.00	10.30
KAR17			50	16.36	82.0	0.53	4.70	11.50
KAR17			63	11.46	83.3	0.83	4.30	13.00
KAR17			80	7.78	86.1	1.20	3.70	14.80
KAR17			100	5.71	90.8	1.88	3.00	16.80
KAR17			125	-2.97	89.3	2.85	1.80	18.80
KAR17			160	-9.90	90.6	4.28	0.00	21.10
KAR17			200	-14.67	91.9	6.16	0.00	22.80
KAR18	8 442	8 445						
KAR18			20	22.87	63.9	0.00	5.60	7.60
KAR18			25	19.90	67.8	0.17	5.40	8.30
KAR18			32	18.92	73.3	0.25	5.20	9.20
KAR18			40	16.25	76.9	0.42	5.00	10.30
KAR18			50	15.28	82.0	0.59	4.70	11.50
KAR18			63	10.34	83.3	0.93	4.30	13.00
KAR18			80	6.62	86.1	1.35	3.70	14.80
KAR18			100	4.46	90.8	2.11	3.00	16.80
KAR18			125	-4.34	89.3	3.21	1.80	18.80
KAR18			160	-11.44	90.6	4.81	0.00	21.10
KAR18			200	-16.46	91.9	6.92	0.00	22.80
KAR19	6 802	6 805						
KAR19			20	24.74	63.9	0.00	5.60	7.60
KAR19			25	21.81	67.8	0.14	5.40	8.30
KAR19			32	20.84	73.3	0.20	5.20	9.20
KAR19			40	18.20	76.9	0.34	5.00	10.30
KAR19			50	17.27	82.0	0.48	4.70	11.50
KAR19			63	12.40	83.3	0.75	4.30	13.00
KAR19			80	8.76	86.1	1.09	3.70	14.80
KAR19			100	6.74	90.8	1.70	3.00	16.80
KAR19			125	-1.84	89.3	2.59	1.80	18.80
KAR19			160	-8.63	90.6	3.88	0.00	21.10
KAR19			200	-13.24	91.9	5.58	0.00	22.80
KAR20	8 192	8 195						
KAR20			20	23.13	63.9	0.00	5.60	7.60
KAR20			25	20.17	67.8	0.16	5.40	8.30
KAR20			32	19.18	73.3	0.25	5.20	9.20
KAR20			40	16.52	76.9	0.41	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			50	15.56	82.0	0.57	4.70	11.50
KAR20			63	10.63	83.3	0.90	4.30	13.00
KAR20			80	6.92	86.1	1.31	3.70	14.80
KAR20			100	4.78	90.8	2.05	3.00	16.80
KAR20			125	-3.98	89.3	3.11	1.80	18.80
KAR20			160	-11.04	90.6	4.67	0.00	21.10
KAR20			200	-15.99	91.9	6.72	0.00	22.80
KAR21	7 739	7 742						
KAR21			20	23.62	63.9	0.00	5.60	7.60
KAR21			25	20.67	67.8	0.15	5.40	8.30
KAR21			32	19.69	73.3	0.23	5.20	9.20
KAR21			40	17.04	76.9	0.39	5.00	10.30
KAR21			50	16.08	82.0	0.54	4.70	11.50
KAR21			63	11.17	83.3	0.85	4.30	13.00
KAR21			80	7.48	86.1	1.24	3.70	14.80
KAR21			100	5.39	90.8	1.94	3.00	16.80
KAR21			125	-3.32	89.3	2.94	1.80	18.80
KAR21			160	-10.29	90.6	4.41	0.00	21.10
KAR21			200	-15.12	91.9	6.35	0.00	22.80
KAR22	7 596	7 598						
KAR22			20	23.79	63.9	0.00	5.60	7.60
KAR22			25	20.83	67.8	0.15	5.40	8.30
KAR22			32	19.86	73.3	0.23	5.20	9.20
KAR22			40	17.21	76.9	0.38	5.00	10.30
KAR22			50	16.25	82.0	0.53	4.70	11.50
KAR22			63	11.35	83.3	0.84	4.30	13.00
KAR22			80	7.67	86.1	1.22	3.70	14.80
KAR22			100	5.59	90.8	1.90	3.00	16.80
KAR22			125	-3.10	89.3	2.89	1.80	18.80
KAR22			160	-10.05	90.6	4.33	0.00	21.10
KAR22			200	-14.85	91.9	6.23	0.00	22.80
KAR23	8 199	8 202						
KAR23			20	23.12	63.9	0.00	5.60	7.60
KAR23			25	20.16	67.8	0.16	5.40	8.30
KAR23			32	19.18	73.3	0.25	5.20	9.20
KAR23			40	16.51	76.9	0.41	5.00	10.30
KAR23			50	15.55	82.0	0.57	4.70	11.50
KAR23			63	10.62	83.3	0.90	4.30	13.00
KAR23			80	6.91	86.1	1.31	3.70	14.80
KAR23			100	4.77	90.8	2.05	3.00	16.80
KAR23			125	-4.00	89.3	3.12	1.80	18.80
KAR23			160	-11.05	90.6	4.68	0.00	21.10
KAR23			200	-16.00	91.9	6.73	0.00	22.80
KAR24	6 292	6 294						
KAR24			20	25.42	63.9	0.00	5.60	7.60
KAR24			25	22.50	67.8	0.13	5.40	8.30
KAR24			32	21.53	73.3	0.19	5.20	9.20
KAR24			40	18.91	76.9	0.31	5.00	10.30
KAR24			50	17.98	82.0	0.44	4.70	11.50
KAR24			63	13.13	83.3	0.69	4.30	13.00
KAR24			80	9.51	86.1	1.01	3.70	14.80
KAR24			100	7.55	90.8	1.57	3.00	16.80
KAR24			125	-0.97	89.3	2.39	1.80	18.80
KAR24			160	-7.67	90.6	3.59	0.00	21.10
KAR24			200	-12.14	91.9	5.16	0.00	22.80
KAR25	5 018	5 021						
KAR25			20	27.38	63.9	0.00	5.60	7.60
KAR25			25	24.48	67.8	0.10	5.40	8.30
KAR25			32	23.53	73.3	0.15	5.20	9.20
KAR25			40	20.93	76.9	0.25	5.00	10.30
KAR25			50	20.03	82.0	0.35	4.70	11.50
KAR25			63	15.23	83.3	0.55	4.30	13.00
KAR25			80	11.68	86.1	0.80	3.70	14.80
KAR25			100	9.83	90.8	1.26	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			125	1.48	89.3	1.91	1.80	18.80
KAR25			160	-4.98	90.6	2.86	0.00	21.10
KAR25			200	-9.13	91.9	4.12	0.00	22.80
MAA01	2 679	2 682						
MAA01			20	32.83	63.9	0.00	5.60	7.60
MAA01			25	29.98	67.8	0.05	5.40	8.30
MAA01			32	29.05	73.3	0.08	5.20	9.20
MAA01			40	26.50	76.9	0.13	5.00	10.30
MAA01			50	25.64	82.0	0.19	4.70	11.50
MAA01			63	20.93	83.3	0.30	4.30	13.00
MAA01			80	17.50	86.1	0.43	3.70	14.80
MAA01			100	15.86	90.8	0.67	3.00	16.80
MAA01			125	7.81	89.3	1.02	1.80	18.80
MAA01			160	1.80	90.6	1.53	0.00	21.10
MAA01			200	-1.77	91.9	2.20	0.00	22.80
MAA03	2 139	2 144						
MAA03			20	34.78	63.9	0.00	5.60	7.60
MAA03			25	31.93	67.8	0.04	5.40	8.30
MAA03			32	31.01	73.3	0.06	5.20	9.20
MAA03			40	28.47	76.9	0.11	5.00	10.30
MAA03			50	27.63	82.0	0.15	4.70	11.50
MAA03			63	22.94	83.3	0.24	4.30	13.00
MAA03			80	19.53	86.1	0.34	3.70	14.80
MAA03			100	17.94	90.8	0.54	3.00	16.80
MAA03			125	9.96	89.3	0.81	1.80	18.80
MAA03			160	4.06	90.6	1.22	0.00	21.10
MAA03			200	0.62	91.9	1.76	0.00	22.80
MAA04	981	992						
MAA04			20	41.47	63.9	0.00	5.60	7.60
MAA04			25	38.65	67.8	0.02	5.40	8.30
MAA04			32	37.74	73.3	0.03	5.20	9.20
MAA04			40	35.22	76.9	0.05	5.00	10.30
MAA04			50	34.40	82.0	0.07	4.70	11.50
MAA04			63	29.76	83.3	0.11	4.30	13.00
MAA04			80	26.41	86.1	0.16	3.70	14.80
MAA04			100	24.93	90.8	0.25	3.00	16.80
MAA04			125	17.10	89.3	0.38	1.80	18.80
MAA04			160	11.41	90.6	0.57	0.00	21.10
MAA04			200	8.26	91.9	0.81	0.00	22.80
MAA05	1 678	1 683						
MAA05			20	36.88	63.9	0.00	5.60	7.60
MAA05			25	34.04	67.8	0.03	5.40	8.30
MAA05			32	33.13	73.3	0.05	5.20	9.20
MAA05			40	30.59	76.9	0.08	5.00	10.30
MAA05			50	29.76	82.0	0.12	4.70	11.50
MAA05			63	25.09	83.3	0.19	4.30	13.00
MAA05			80	21.71	86.1	0.27	3.70	14.80
MAA05			100	20.16	90.8	0.42	3.00	16.80
MAA05			125	12.24	89.3	0.64	1.80	18.80
MAA05			160	6.42	90.6	0.96	0.00	21.10
MAA05			200	3.10	91.9	1.38	0.00	22.80
MAA06	1 186	1 195						
MAA06			20	39.86	63.9	0.00	5.60	7.60
MAA06			25	37.03	67.8	0.02	5.40	8.30
MAA06			32	36.12	73.3	0.04	5.20	9.20
MAA06			40	33.60	76.9	0.06	5.00	10.30
MAA06			50	32.77	82.0	0.08	4.70	11.50
MAA06			63	28.12	83.3	0.13	4.30	13.00
MAA06			80	24.76	86.1	0.19	3.70	14.80
MAA06			100	23.26	90.8	0.30	3.00	16.80
MAA06			125	15.40	89.3	0.45	1.80	18.80
MAA06			160	9.68	90.6	0.68	0.00	21.10
MAA06			200	6.48	91.9	0.98	0.00	22.80
MAA07	1 071	1 081						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			20	40.72	63.9	0.00	5.60	7.60
MAA07			25	37.90	67.8	0.02	5.40	8.30
MAA07			32	36.99	73.3	0.03	5.20	9.20
MAA07			40	34.47	76.9	0.05	5.00	10.30
MAA07			50	33.65	82.0	0.08	4.70	11.50
MAA07			63	29.00	83.3	0.12	4.30	13.00
MAA07			80	25.65	86.1	0.17	3.70	14.80
MAA07			100	24.15	90.8	0.27	3.00	16.80
MAA07			125	16.31	89.3	0.41	1.80	18.80
MAA07			160	10.61	90.6	0.62	0.00	21.10
MAA07			200	7.44	91.9	0.89	0.00	22.80
MAA08	1 203	1 212						
MAA08			20	39.73	63.9	0.00	5.60	7.60
MAA08			25	36.91	67.8	0.02	5.40	8.30
MAA08			32	36.00	73.3	0.04	5.20	9.20
MAA08			40	33.47	76.9	0.06	5.00	10.30
MAA08			50	32.65	82.0	0.08	4.70	11.50
MAA08			63	28.00	83.3	0.13	4.30	13.00
MAA08			80	24.64	86.1	0.19	3.70	14.80
MAA08			100	23.13	90.8	0.30	3.00	16.80
MAA08			125	15.27	89.3	0.46	1.80	18.80
MAA08			160	9.54	90.6	0.69	0.00	21.10
MAA08			200	6.34	91.9	0.99	0.00	22.80
RAH01	4 223	4 226						
RAH01			20	27.03	62.0	0.00	5.60	7.60
RAH01			25	25.45	67.2	0.08	5.40	8.30
RAH01			32	23.80	72.0	0.13	5.20	9.20
RAH01			40	22.39	76.8	0.21	5.00	10.30
RAH01			50	20.81	81.2	0.30	4.70	11.50
RAH01			63	18.54	85.0	0.46	4.30	13.00
RAH01			80	15.53	88.3	0.68	3.70	14.80
RAH01			100	11.82	91.1	1.06	3.00	16.80
RAH01			125	7.28	93.3	1.61	1.80	18.80
RAH01			160	1.35	95.0	2.41	0.00	21.10
RAH01			200	-2.78	96.1	3.47	0.00	22.80
RAH02	3 722	3 725						
RAH02			20	28.13	62.0	0.00	5.60	7.60
RAH02			25	26.55	67.2	0.07	5.40	8.30
RAH02			32	24.91	72.0	0.11	5.20	9.20
RAH02			40	23.52	76.8	0.19	5.00	10.30
RAH02			50	21.94	81.2	0.26	4.70	11.50
RAH02			63	19.69	85.0	0.41	4.30	13.00
RAH02			80	16.71	88.3	0.60	3.70	14.80
RAH02			100	13.05	91.1	0.93	3.00	16.80
RAH02			125	8.56	93.3	1.42	1.80	18.80
RAH02			160	2.73	95.0	2.12	0.00	21.10
RAH02			200	-1.28	96.1	3.05	0.00	22.80
RAH03	3 553	3 557						
RAH03			20	28.53	62.0	0.00	5.60	7.60
RAH03			25	26.96	67.2	0.07	5.40	8.30
RAH03			32	25.32	72.0	0.11	5.20	9.20
RAH03			40	23.92	76.8	0.18	5.00	10.30
RAH03			50	22.35	81.2	0.25	4.70	11.50
RAH03			63	20.11	85.0	0.39	4.30	13.00
RAH03			80	17.13	88.3	0.57	3.70	14.80
RAH03			100	13.49	91.1	0.89	3.00	16.80
RAH03			125	9.03	93.3	1.35	1.80	18.80
RAH03			160	3.23	95.0	2.03	0.00	21.10
RAH03			200	-0.74	96.1	2.92	0.00	22.80
RAH04	3 288	3 291						
RAH04			20	29.20	62.0	0.00	5.60	7.60
RAH04			25	27.64	67.2	0.07	5.40	8.30
RAH04			32	26.00	72.0	0.10	5.20	9.20
RAH04			40	24.61	76.8	0.16	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			50	23.05	81.2	0.23	4.70	11.50
RAH04			63	20.82	85.0	0.36	4.30	13.00
RAH04			80	17.85	88.3	0.53	3.70	14.80
RAH04			100	14.23	91.1	0.82	3.00	16.80
RAH04			125	9.80	93.3	1.25	1.80	18.80
RAH04			160	4.05	95.0	1.88	0.00	21.10
RAH04			200	0.15	96.1	2.70	0.00	22.80
RAH05	2 742	2 747						
RAH05			20	30.77	62.0	0.00	5.60	7.60
RAH05			25	29.22	67.2	0.05	5.40	8.30
RAH05			32	27.59	72.0	0.08	5.20	9.20
RAH05			40	26.21	76.8	0.14	5.00	10.30
RAH05			50	24.66	81.2	0.19	4.70	11.50
RAH05			63	22.45	85.0	0.30	4.30	13.00
RAH05			80	19.51	88.3	0.44	3.70	14.80
RAH05			100	15.94	91.1	0.69	3.00	16.80
RAH05			125	11.58	93.3	1.04	1.80	18.80
RAH05			160	5.93	95.0	1.57	0.00	21.10
RAH05			200	2.17	96.1	2.25	0.00	22.80
RAH06	2 374	2 379						
RAH06			20	32.02	62.0	0.00	5.60	7.60
RAH06			25	30.47	67.2	0.05	5.40	8.30
RAH06			32	28.85	72.0	0.07	5.20	9.20
RAH06			40	27.48	76.8	0.12	5.00	10.30
RAH06			50	25.93	81.2	0.17	4.70	11.50
RAH06			63	23.74	85.0	0.26	4.30	13.00
RAH06			80	20.82	88.3	0.38	3.70	14.80
RAH06			100	17.28	91.1	0.59	3.00	16.80
RAH06			125	12.97	93.3	0.90	1.80	18.80
RAH06			160	7.39	95.0	1.36	0.00	21.10
RAH06			200	3.72	96.1	1.95	0.00	22.80
RAH07	3 256	3 259						
RAH07			20	29.29	62.0	0.00	5.60	7.60
RAH07			25	27.72	67.2	0.07	5.40	8.30
RAH07			32	26.09	72.0	0.10	5.20	9.20
RAH07			40	24.70	76.8	0.16	5.00	10.30
RAH07			50	23.13	81.2	0.23	4.70	11.50
RAH07			63	20.90	85.0	0.36	4.30	13.00
RAH07			80	17.94	88.3	0.52	3.70	14.80
RAH07			100	14.32	91.1	0.81	3.00	16.80
RAH07			125	9.90	93.3	1.24	1.80	18.80
RAH07			160	4.16	95.0	1.86	0.00	21.10
RAH07			200	0.26	96.1	2.67	0.00	22.80
RAH08	3 725	3 728						
RAH08			20	28.12	62.0	0.00	5.60	7.60
RAH08			25	26.54	67.2	0.07	5.40	8.30
RAH08			32	24.91	72.0	0.11	5.20	9.20
RAH08			40	23.51	76.8	0.19	5.00	10.30
RAH08			50	21.93	81.2	0.26	4.70	11.50
RAH08			63	19.68	85.0	0.41	4.30	13.00
RAH08			80	16.70	88.3	0.60	3.70	14.80
RAH08			100	13.04	91.1	0.93	3.00	16.80
RAH08			125	8.55	93.3	1.42	1.80	18.80
RAH08			160	2.72	95.0	2.13	0.00	21.10
RAH08			200	-1.29	96.1	3.06	0.00	22.80
RAH09	2 987	2 991						
RAH09			20	30.03	62.0	0.00	5.60	7.60
RAH09			25	28.47	67.2	0.06	5.40	8.30
RAH09			32	26.84	72.0	0.09	5.20	9.20
RAH09			40	25.46	76.8	0.15	5.00	10.30
RAH09			50	23.90	81.2	0.21	4.70	11.50
RAH09			63	21.68	85.0	0.33	4.30	13.00
RAH09			80	18.73	88.3	0.48	3.70	14.80
RAH09			100	15.14	91.1	0.75	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			125	10.75	93.3	1.14	1.80	18.80
RAH09			160	5.06	95.0	1.70	0.00	21.10
RAH09			200	1.23	96.1	2.45	0.00	22.80
RAH10	3 745	3 748						
RAH10			20	28.07	62.0	0.00	5.60	7.60
RAH10			25	26.50	67.2	0.07	5.40	8.30
RAH10			32	24.86	72.0	0.11	5.20	9.20
RAH10			40	23.46	76.8	0.19	5.00	10.30
RAH10			50	21.89	81.2	0.26	4.70	11.50
RAH10			63	19.64	85.0	0.41	4.30	13.00
RAH10			80	16.65	88.3	0.60	3.70	14.80
RAH10			100	12.99	91.1	0.94	3.00	16.80
RAH10			125	8.50	93.3	1.42	1.80	18.80
RAH10			160	2.66	95.0	2.14	0.00	21.10
RAH10			200	-1.35	96.1	3.07	0.00	22.80
RAH11	4 431	4 434						
RAH11			20	26.61	62.0	0.00	5.60	7.60
RAH11			25	25.02	67.2	0.09	5.40	8.30
RAH11			32	23.38	72.0	0.13	5.20	9.20
RAH11			40	21.97	76.8	0.22	5.00	10.30
RAH11			50	20.38	81.2	0.31	4.70	11.50
RAH11			63	18.10	85.0	0.49	4.30	13.00
RAH11			80	15.08	88.3	0.71	3.70	14.80
RAH11			100	11.36	91.1	1.11	3.00	16.80
RAH11			125	6.78	93.3	1.68	1.80	18.80
RAH11			160	0.81	95.0	2.53	0.00	21.10
RAH11			200	-3.37	96.1	3.64	0.00	22.80
RAH12	5 111	5 114						
RAH12			20	25.37	62.0	0.00	5.60	7.60
RAH12			25	23.77	67.2	0.10	5.40	8.30
RAH12			32	22.12	72.0	0.15	5.20	9.20
RAH12			40	20.69	76.8	0.26	5.00	10.30
RAH12			50	19.09	81.2	0.36	4.70	11.50
RAH12			63	16.79	85.0	0.56	4.30	13.00
RAH12			80	13.73	88.3	0.82	3.70	14.80
RAH12			100	9.95	91.1	1.28	3.00	16.80
RAH12			125	5.28	93.3	1.94	1.80	18.80
RAH12			160	-0.81	95.0	2.91	0.00	21.10
RAH12			200	-5.17	96.1	4.19	0.00	22.80
RAH13	5 413	5 415						
RAH13			20	24.88	62.0	0.00	5.60	7.60
RAH13			25	23.27	67.2	0.11	5.40	8.30
RAH13			32	21.61	72.0	0.16	5.20	9.20
RAH13			40	20.18	76.8	0.27	5.00	10.30
RAH13			50	18.57	81.2	0.38	4.70	11.50
RAH13			63	16.26	85.0	0.60	4.30	13.00
RAH13			80	13.19	88.3	0.87	3.70	14.80
RAH13			100	9.37	91.1	1.35	3.00	16.80
RAH13			125	4.67	93.3	2.06	1.80	18.80
RAH13			160	-1.48	95.0	3.09	0.00	21.10
RAH13			200	-5.91	96.1	4.44	0.00	22.80
RAH14	4 859	4 862						
RAH14			20	25.81	62.0	0.00	5.60	7.60
RAH14			25	24.22	67.2	0.10	5.40	8.30
RAH14			32	22.57	72.0	0.15	5.20	9.20
RAH14			40	21.15	76.8	0.24	5.00	10.30
RAH14			50	19.55	81.2	0.34	4.70	11.50
RAH14			63	17.25	85.0	0.53	4.30	13.00
RAH14			80	14.21	88.3	0.78	3.70	14.80
RAH14			100	10.45	91.1	1.22	3.00	16.80
RAH14			125	5.82	93.3	1.85	1.80	18.80
RAH14			160	-0.23	95.0	2.77	0.00	21.10
RAH14			200	-4.52	96.1	3.99	0.00	22.80
RAH15	5 980	5 982						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			20	24.01	62.0	0.00	5.60	7.60
RAH15			25	22.39	67.2	0.12	5.40	8.30
RAH15			32	20.73	72.0	0.18	5.20	9.20
RAH15			40	19.29	76.8	0.30	5.00	10.30
RAH15			50	17.67	81.2	0.42	4.70	11.50
RAH15			63	15.33	85.0	0.66	4.30	13.00
RAH15			80	12.23	88.3	0.96	3.70	14.80
RAH15			100	8.37	91.1	1.50	3.00	16.80
RAH15			125	3.59	93.3	2.27	1.80	18.80
RAH15			160	-2.67	95.0	3.41	0.00	21.10
RAH15			200	-7.24	96.1	4.91	0.00	22.80
RAH16	6 343	6 345						
RAH16			20	23.50	62.0	0.00	5.60	7.60
RAH16			25	21.87	67.2	0.13	5.40	8.30
RAH16			32	20.21	72.0	0.19	5.20	9.20
RAH16			40	18.76	76.8	0.32	5.00	10.30
RAH16			50	17.13	81.2	0.44	4.70	11.50
RAH16			63	14.78	85.0	0.70	4.30	13.00
RAH16			80	11.66	88.3	1.02	3.70	14.80
RAH16			100	7.77	91.1	1.59	3.00	16.80
RAH16			125	2.94	93.3	2.41	1.80	18.80
RAH16			160	-3.39	95.0	3.62	0.00	21.10
RAH16			200	-8.05	96.1	5.20	0.00	22.80
RAH17	5 380	5 383						
RAH17			20	24.93	62.0	0.00	5.60	7.60
RAH17			25	23.32	67.2	0.11	5.40	8.30
RAH17			32	21.67	72.0	0.16	5.20	9.20
RAH17			40	20.24	76.8	0.27	5.00	10.30
RAH17			50	18.63	81.2	0.38	4.70	11.50
RAH17			63	16.31	85.0	0.59	4.30	13.00
RAH17			80	13.24	88.3	0.86	3.70	14.80
RAH17			100	9.43	91.1	1.35	3.00	16.80
RAH17			125	4.73	93.3	2.05	1.80	18.80
RAH17			160	-1.41	95.0	3.07	0.00	21.10
RAH17			200	-5.83	96.1	4.41	0.00	22.80
RAH18	5 883	5 886						
RAH18			20	24.15	62.0	0.00	5.60	7.60
RAH18			25	22.53	67.2	0.12	5.40	8.30
RAH18			32	20.88	72.0	0.18	5.20	9.20
RAH18			40	19.43	76.8	0.29	5.00	10.30
RAH18			50	17.82	81.2	0.41	4.70	11.50
RAH18			63	15.48	85.0	0.65	4.30	13.00
RAH18			80	12.39	88.3	0.94	3.70	14.80
RAH18			100	8.53	91.1	1.47	3.00	16.80
RAH18			125	3.77	93.3	2.24	1.80	18.80
RAH18			160	-2.48	95.0	3.35	0.00	21.10
RAH18			200	-7.02	96.1	4.83	0.00	22.80
RAH19	6 110	6 113						
RAH19			20	23.82	62.0	0.00	5.60	7.60
RAH19			25	22.20	67.2	0.12	5.40	8.30
RAH19			32	20.54	72.0	0.18	5.20	9.20
RAH19			40	19.09	76.8	0.31	5.00	10.30
RAH19			50	17.47	81.2	0.43	4.70	11.50
RAH19			63	15.13	85.0	0.67	4.30	13.00
RAH19			80	12.02	88.3	0.98	3.70	14.80
RAH19			100	8.15	91.1	1.53	3.00	16.80
RAH19			125	3.35	93.3	2.32	1.80	18.80
RAH19			160	-2.93	95.0	3.48	0.00	21.10
RAH19			200	-7.54	96.1	5.01	0.00	22.80
SIL01	11 967	11 968						
SIL01			20	19.26	63.3	0.00	5.60	7.60
SIL01			25	17.42	68.4	0.24	5.40	8.30
SIL01			32	11.41	68.9	0.36	5.20	9.20
SIL01			40	8.26	72.1	0.60	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			50	6.83	76.8	0.84	4.70	11.50
SIL01			63	3.43	79.8	1.32	4.30	13.00
SIL01			80	-0.46	82.6	1.91	3.70	14.80
SIL01			100	-4.22	86.0	2.99	3.00	16.80
SIL01			125	-8.72	89.3	4.55	1.80	18.80
SIL01			160	-18.90	88.2	6.82	0.00	21.10
SIL01			200	-24.29	90.0	9.81	0.00	22.80
SIL02	11 517	11 518						
SIL02			20	19.60	63.3	0.00	5.60	7.60
SIL02			25	17.76	68.4	0.23	5.40	8.30
SIL02			32	11.76	68.9	0.35	5.20	9.20
SIL02			40	8.62	72.1	0.58	5.00	10.30
SIL02			50	7.19	76.8	0.81	4.70	11.50
SIL02			63	3.81	79.8	1.27	4.30	13.00
SIL02			80	-0.06	82.6	1.84	3.70	14.80
SIL02			100	-3.78	86.0	2.88	3.00	16.80
SIL02			125	-8.22	89.3	4.38	1.80	18.80
SIL02			160	-18.31	88.2	6.57	0.00	21.10
SIL02			200	-23.58	90.0	9.44	0.00	22.80
SIL03	10 917	10 918						
SIL03			20	20.06	63.3	0.00	5.60	7.60
SIL03			25	18.24	68.4	0.22	5.40	8.30
SIL03			32	12.24	68.9	0.33	5.20	9.20
SIL03			40	9.11	72.1	0.55	5.00	10.30
SIL03			50	7.70	76.8	0.76	4.70	11.50
SIL03			63	4.34	79.8	1.20	4.30	13.00
SIL03			80	0.50	82.6	1.75	3.70	14.80
SIL03			100	-3.16	86.0	2.73	3.00	16.80
SIL03			125	-7.52	89.3	4.15	1.80	18.80
SIL03			160	-17.50	88.2	6.22	0.00	21.10
SIL03			200	-22.63	90.0	8.95	0.00	22.80
SIL04	10 876	10 877						
SIL04			20	20.09	63.3	0.00	5.60	7.60
SIL04			25	18.27	68.4	0.22	5.40	8.30
SIL04			32	12.27	68.9	0.33	5.20	9.20
SIL04			40	9.15	72.1	0.54	5.00	10.30
SIL04			50	7.73	76.8	0.76	4.70	11.50
SIL04			63	4.38	79.8	1.20	4.30	13.00
SIL04			80	0.54	82.6	1.74	3.70	14.80
SIL04			100	-3.12	86.0	2.72	3.00	16.80
SIL04			125	-7.48	89.3	4.13	1.80	18.80
SIL04			160	-17.45	88.2	6.20	0.00	21.10
SIL04			200	-22.56	90.0	8.92	0.00	22.80
SIL05	11 660	11 661						
SIL05			20	19.49	63.3	0.00	5.60	7.60
SIL05			25	17.65	68.4	0.23	5.40	8.30
SIL05			32	11.64	68.9	0.35	5.20	9.20
SIL05			40	8.51	72.1	0.58	5.00	10.30
SIL05			50	7.07	76.8	0.82	4.70	11.50
SIL05			63	3.69	79.8	1.28	4.30	13.00
SIL05			80	-0.19	82.6	1.87	3.70	14.80
SIL05			100	-3.92	86.0	2.92	3.00	16.80
SIL05			125	-8.38	89.3	4.43	1.80	18.80
SIL05			160	-18.50	88.2	6.65	0.00	21.10
SIL05			200	-23.81	90.0	9.56	0.00	22.80
SIL06	11 330	11 331						
SIL06			20	19.74	63.3	0.00	5.60	7.60
SIL06			25	17.91	68.4	0.23	5.40	8.30
SIL06			32	11.90	68.9	0.34	5.20	9.20
SIL06			40	8.77	72.1	0.57	5.00	10.30
SIL06			50	7.34	76.8	0.79	4.70	11.50
SIL06			63	3.97	79.8	1.25	4.30	13.00
SIL06			80	0.11	82.6	1.81	3.70	14.80
SIL06			100	-3.59	86.0	2.83	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			125	-8.00	89.3	4.31	1.80	18.80
SIL06			160	-18.06	88.2	6.46	0.00	21.10
SIL06			200	-23.29	90.0	9.29	0.00	22.80
SIL07	10 756	10 758						
SIL07			20	20.19	63.3	0.00	5.60	7.60
SIL07			25	18.37	68.4	0.22	5.40	8.30
SIL07			32	12.37	68.9	0.32	5.20	9.20
SIL07			40	9.25	72.1	0.54	5.00	10.30
SIL07			50	7.84	76.8	0.75	4.70	11.50
SIL07			63	4.49	79.8	1.18	4.30	13.00
SIL07			80	0.66	82.6	1.72	3.70	14.80
SIL07			100	-2.99	86.0	2.69	3.00	16.80
SIL07			125	-7.33	89.3	4.09	1.80	18.80
SIL07			160	-17.28	88.2	6.13	0.00	21.10
SIL07			200	-22.37	90.0	8.82	0.00	22.80
SIL08	11 055	11 056						
SIL08			20	19.95	63.3	0.00	5.60	7.60
SIL08			25	18.12	68.4	0.22	5.40	8.30
SIL08			32	12.13	68.9	0.33	5.20	9.20
SIL08			40	9.00	72.1	0.55	5.00	10.30
SIL08			50	7.58	76.8	0.77	4.70	11.50
SIL08			63	4.22	79.8	1.22	4.30	13.00
SIL08			80	0.37	82.6	1.77	3.70	14.80
SIL08			100	-3.31	86.0	2.76	3.00	16.80
SIL08			125	-7.69	89.3	4.20	1.80	18.80
SIL08			160	-17.69	88.2	6.30	0.00	21.10
SIL08			200	-22.85	90.0	9.07	0.00	22.80
Sum								
Sum			20	48.75				
Sum			25	46.14				
Sum			32	45.05				
Sum			40	42.73				
Sum			50	41.74				
Sum			63	37.63				
Sum			80	34.36				
Sum			100	32.26				
Sum			125	25.33				
Sum			160	19.51				
Sum			200	15.98				

Noise sensitive area: Z Noise sensitive point: Finnish normal frequency - User defined (37)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 466	3 471						
KAR01			20	30.59	63.9	0.00	5.60	7.60
KAR01			25	27.72	67.8	0.07	5.40	8.30
KAR01			32	26.79	73.3	0.10	5.20	9.20
KAR01			40	24.22	76.9	0.17	5.00	10.30
KAR01			50	23.35	82.0	0.24	4.70	11.50
KAR01			63	18.61	83.3	0.38	4.30	13.00
KAR01			80	15.13	86.1	0.56	3.70	14.80
KAR01			100	13.42	90.8	0.87	3.00	16.80
KAR01			125	5.27	89.3	1.32	1.80	18.80
KAR01			160	-0.89	90.6	1.98	0.00	21.10
KAR01			200	-4.66	91.9	2.85	0.00	22.80
KAR02	3 427	3 432						
KAR02			20	30.69	63.9	0.00	5.60	7.60
KAR02			25	27.82	67.8	0.07	5.40	8.30
KAR02			32	26.89	73.3	0.10	5.20	9.20
KAR02			40	24.32	76.9	0.17	5.00	10.30
KAR02			50	23.45	82.0	0.24	4.70	11.50
KAR02			63	18.71	83.3	0.38	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR02			80	15.24	86.1	0.55	3.70	14.80
KAR02			100	13.53	90.8	0.86	3.00	16.80
KAR02			125	5.39	89.3	1.30	1.80	18.80
KAR02			160	-0.77	90.6	1.96	0.00	21.10
KAR02			200	-4.52	91.9	2.81	0.00	22.80
KAR03	3 744	3 749						
KAR03			20	29.92	63.9	0.00	5.60	7.60
KAR03			25	27.05	67.8	0.07	5.40	8.30
KAR03			32	26.11	73.3	0.11	5.20	9.20
KAR03			40	23.53	76.9	0.19	5.00	10.30
KAR03			50	22.66	82.0	0.26	4.70	11.50
KAR03			63	17.91	83.3	0.41	4.30	13.00
KAR03			80	14.42	86.1	0.60	3.70	14.80
KAR03			100	12.68	90.8	0.94	3.00	16.80
KAR03			125	4.50	89.3	1.42	1.80	18.80
KAR03			160	-1.72	90.6	2.14	0.00	21.10
KAR03			200	-5.55	91.9	3.07	0.00	22.80
KAR04	4 278	4 282						
KAR04			20	28.77	63.9	0.00	5.60	7.60
KAR04			25	25.88	67.8	0.09	5.40	8.30
KAR04			32	24.94	73.3	0.13	5.20	9.20
KAR04			40	22.35	76.9	0.21	5.00	10.30
KAR04			50	21.47	82.0	0.30	4.70	11.50
KAR04			63	16.70	83.3	0.47	4.30	13.00
KAR04			80	13.18	86.1	0.69	3.70	14.80
KAR04			100	11.40	90.8	1.07	3.00	16.80
KAR04			125	3.14	89.3	1.63	1.80	18.80
KAR04			160	-3.17	90.6	2.44	0.00	21.10
KAR04			200	-7.14	91.9	3.51	0.00	22.80
KAR05	4 818	4 822						
KAR05			20	27.74	63.9	0.00	5.60	7.60
KAR05			25	24.84	67.8	0.10	5.40	8.30
KAR05			32	23.89	73.3	0.14	5.20	9.20
KAR05			40	21.29	76.9	0.24	5.00	10.30
KAR05			50	20.40	82.0	0.34	4.70	11.50
KAR05			63	15.60	83.3	0.53	4.30	13.00
KAR05			80	12.06	86.1	0.77	3.70	14.80
KAR05			100	10.23	90.8	1.21	3.00	16.80
KAR05			125	1.90	89.3	1.83	1.80	18.80
KAR05			160	-4.51	90.6	2.75	0.00	21.10
KAR05			200	-8.62	91.9	3.95	0.00	22.80
KAR06	4 319	4 323						
KAR06			20	28.68	63.9	0.00	5.60	7.60
KAR06			25	25.80	67.8	0.09	5.40	8.30
KAR06			32	24.85	73.3	0.13	5.20	9.20
KAR06			40	22.27	76.9	0.22	5.00	10.30
KAR06			50	21.38	82.0	0.30	4.70	11.50
KAR06			63	16.61	83.3	0.48	4.30	13.00
KAR06			80	13.09	86.1	0.69	3.70	14.80
KAR06			100	11.30	90.8	1.08	3.00	16.80
KAR06			125	3.04	89.3	1.64	1.80	18.80
KAR06			160	-3.28	90.6	2.46	0.00	21.10
KAR06			200	-7.26	91.9	3.54	0.00	22.80
KAR07	4 249	4 253						
KAR07			20	28.83	63.9	0.00	5.60	7.60
KAR07			25	25.94	67.8	0.09	5.40	8.30
KAR07			32	25.00	73.3	0.13	5.20	9.20
KAR07			40	22.41	76.9	0.21	5.00	10.30
KAR07			50	21.53	82.0	0.30	4.70	11.50
KAR07			63	16.76	83.3	0.47	4.30	13.00
KAR07			80	13.25	86.1	0.68	3.70	14.80
KAR07			100	11.46	90.8	1.06	3.00	16.80
KAR07			125	3.21	89.3	1.62	1.80	18.80
KAR07			160	-3.10	90.6	2.42	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			200	-7.06	91.9	3.49	0.00	22.80
KAR08	4 386	4 390						
KAR08			20	28.55	63.9	0.00	5.60	7.60
KAR08			25	25.66	67.8	0.09	5.40	8.30
KAR08			32	24.72	73.3	0.13	5.20	9.20
KAR08			40	22.13	76.9	0.22	5.00	10.30
KAR08			50	21.24	82.0	0.31	4.70	11.50
KAR08			63	16.47	83.3	0.48	4.30	13.00
KAR08			80	12.95	86.1	0.70	3.70	14.80
KAR08			100	11.15	90.8	1.10	3.00	16.80
KAR08			125	2.88	89.3	1.67	1.80	18.80
KAR08			160	-3.45	90.6	2.50	0.00	21.10
KAR08			200	-7.45	91.9	3.60	0.00	22.80
KAR09	5 303	5 306						
KAR09			20	26.90	63.9	0.00	5.60	7.60
KAR09			25	24.00	67.8	0.11	5.40	8.30
KAR09			32	23.04	73.3	0.16	5.20	9.20
KAR09			40	20.44	76.9	0.27	5.00	10.30
KAR09			50	19.53	82.0	0.37	4.70	11.50
KAR09			63	14.72	83.3	0.58	4.30	13.00
KAR09			80	11.15	86.1	0.85	3.70	14.80
KAR09			100	9.28	90.8	1.33	3.00	16.80
KAR09			125	0.89	89.3	2.02	1.80	18.80
KAR09			160	-5.62	90.6	3.02	0.00	21.10
KAR09			200	-9.85	91.9	4.35	0.00	22.80
KAR10	5 007	5 011						
KAR10			20	27.40	63.9	0.00	5.60	7.60
KAR10			25	24.50	67.8	0.10	5.40	8.30
KAR10			32	23.55	73.3	0.15	5.20	9.20
KAR10			40	20.95	76.9	0.25	5.00	10.30
KAR10			50	20.05	82.0	0.35	4.70	11.50
KAR10			63	15.25	83.3	0.55	4.30	13.00
KAR10			80	11.70	86.1	0.80	3.70	14.80
KAR10			100	9.85	90.8	1.25	3.00	16.80
KAR10			125	1.50	89.3	1.90	1.80	18.80
KAR10			160	-4.95	90.6	2.86	0.00	21.10
KAR10			200	-9.11	91.9	4.11	0.00	22.80
KAR11	4 876	4 879						
KAR11			20	27.63	63.9	0.00	5.60	7.60
KAR11			25	24.74	67.8	0.10	5.40	8.30
KAR11			32	23.79	73.3	0.15	5.20	9.20
KAR11			40	21.19	76.9	0.24	5.00	10.30
KAR11			50	20.29	82.0	0.34	4.70	11.50
KAR11			63	15.50	83.3	0.54	4.30	13.00
KAR11			80	11.95	86.1	0.78	3.70	14.80
KAR11			100	10.11	90.8	1.22	3.00	16.80
KAR11			125	1.78	89.3	1.85	1.80	18.80
KAR11			160	-4.65	90.6	2.78	0.00	21.10
KAR11			200	-8.77	91.9	4.00	0.00	22.80
KAR12	5 543	5 546						
KAR12			20	26.52	63.9	0.00	5.60	7.60
KAR12			25	23.61	67.8	0.11	5.40	8.30
KAR12			32	22.65	73.3	0.17	5.20	9.20
KAR12			40	20.04	76.9	0.28	5.00	10.30
KAR12			50	19.13	82.0	0.39	4.70	11.50
KAR12			63	14.31	83.3	0.61	4.30	13.00
KAR12			80	10.73	86.1	0.89	3.70	14.80
KAR12			100	8.83	90.8	1.39	3.00	16.80
KAR12			125	0.41	89.3	2.11	1.80	18.80
KAR12			160	-6.14	90.6	3.16	0.00	21.10
KAR12			200	-10.43	91.9	4.55	0.00	22.80
KAR13	5 289	5 293						
KAR13			20	26.93	63.9	0.00	5.60	7.60
KAR13			25	24.02	67.8	0.11	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			32	23.07	73.3	0.16	5.20	9.20
KAR13			40	20.46	76.9	0.26	5.00	10.30
KAR13			50	19.56	82.0	0.37	4.70	11.50
KAR13			63	14.74	83.3	0.58	4.30	13.00
KAR13			80	11.18	86.1	0.85	3.70	14.80
KAR13			100	9.30	90.8	1.32	3.00	16.80
KAR13			125	0.92	89.3	2.01	1.80	18.80
KAR13			160	-5.59	90.6	3.02	0.00	21.10
KAR13			200	-9.81	91.9	4.34	0.00	22.80
KAR14	5 922	5 925						
KAR14			20	25.95	63.9	0.00	5.60	7.60
KAR14			25	23.03	67.8	0.12	5.40	8.30
KAR14			32	22.07	73.3	0.18	5.20	9.20
KAR14			40	19.45	76.9	0.30	5.00	10.30
KAR14			50	18.53	82.0	0.41	4.70	11.50
KAR14			63	13.69	83.3	0.65	4.30	13.00
KAR14			80	10.10	86.1	0.95	3.70	14.80
KAR14			100	8.16	90.8	1.48	3.00	16.80
KAR14			125	-0.31	89.3	2.25	1.80	18.80
KAR14			160	-6.93	90.6	3.38	0.00	21.10
KAR14			200	-11.31	91.9	4.86	0.00	22.80
KAR15	5 331	5 334						
KAR15			20	26.86	63.9	0.00	5.60	7.60
KAR15			25	23.95	67.8	0.11	5.40	8.30
KAR15			32	23.00	73.3	0.16	5.20	9.20
KAR15			40	20.39	76.9	0.27	5.00	10.30
KAR15			50	19.49	82.0	0.37	4.70	11.50
KAR15			63	14.67	83.3	0.59	4.30	13.00
KAR15			80	11.11	86.1	0.85	3.70	14.80
KAR15			100	9.23	90.8	1.33	3.00	16.80
KAR15			125	0.83	89.3	2.03	1.80	18.80
KAR15			160	-5.68	90.6	3.04	0.00	21.10
KAR15			200	-9.91	91.9	4.37	0.00	22.80
KAR16	6 235	6 238						
KAR16			20	25.50	63.9	0.00	5.60	7.60
KAR16			25	22.57	67.8	0.12	5.40	8.30
KAR16			32	21.61	73.3	0.19	5.20	9.20
KAR16			40	18.99	76.9	0.31	5.00	10.30
KAR16			50	18.06	82.0	0.44	4.70	11.50
KAR16			63	13.21	83.3	0.69	4.30	13.00
KAR16			80	9.60	86.1	1.00	3.70	14.80
KAR16			100	7.64	90.8	1.56	3.00	16.80
KAR16			125	-0.87	89.3	2.37	1.80	18.80
KAR16			160	-7.56	90.6	3.56	0.00	21.10
KAR16			200	-12.02	91.9	5.11	0.00	22.80
KAR17	6 168	6 171						
KAR17			20	25.59	63.9	0.00	5.60	7.60
KAR17			25	22.67	67.8	0.12	5.40	8.30
KAR17			32	21.71	73.3	0.19	5.20	9.20
KAR17			40	19.08	76.9	0.31	5.00	10.30
KAR17			50	18.16	82.0	0.43	4.70	11.50
KAR17			63	13.31	83.3	0.68	4.30	13.00
KAR17			80	9.71	86.1	0.99	3.70	14.80
KAR17			100	7.75	90.8	1.54	3.00	16.80
KAR17			125	-0.75	89.3	2.34	1.80	18.80
KAR17			160	-7.42	90.6	3.52	0.00	21.10
KAR17			200	-11.87	91.9	5.06	0.00	22.80
KAR18	6 656	6 659						
KAR18			20	24.93	63.9	0.00	5.60	7.60
KAR18			25	22.00	67.8	0.13	5.40	8.30
KAR18			32	21.03	73.3	0.20	5.20	9.20
KAR18			40	18.40	76.9	0.33	5.00	10.30
KAR18			50	17.47	82.0	0.47	4.70	11.50
KAR18			63	12.60	83.3	0.73	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR18			80	8.97	86.1	1.07	3.70	14.80
KAR18			100	6.97	90.8	1.66	3.00	16.80
KAR18			125	-1.60	89.3	2.53	1.80	18.80
KAR18			160	-8.36	90.6	3.80	0.00	21.10
KAR18			200	-12.93	91.9	5.46	0.00	22.80
KAR19	6 098	6 101						
KAR19			20	25.69	63.9	0.00	5.60	7.60
KAR19			25	22.77	67.8	0.12	5.40	8.30
KAR19			32	21.81	73.3	0.18	5.20	9.20
KAR19			40	19.19	76.9	0.31	5.00	10.30
KAR19			50	18.26	82.0	0.43	4.70	11.50
KAR19			63	13.42	83.3	0.67	4.30	13.00
KAR19			80	9.82	86.1	0.98	3.70	14.80
KAR19			100	7.87	90.8	1.53	3.00	16.80
KAR19			125	-0.63	89.3	2.32	1.80	18.80
KAR19			160	-7.29	90.6	3.48	0.00	21.10
KAR19			200	-11.71	91.9	5.00	0.00	22.80
KAR20	6 782	6 785						
KAR20			20	24.77	63.9	0.00	5.60	7.60
KAR20			25	21.83	67.8	0.14	5.40	8.30
KAR20			32	20.87	73.3	0.20	5.20	9.20
KAR20			40	18.23	76.9	0.34	5.00	10.30
KAR20			50	17.29	82.0	0.47	4.70	11.50
KAR20			63	12.42	83.3	0.75	4.30	13.00
KAR20			80	8.78	86.1	1.09	3.70	14.80
KAR20			100	6.77	90.8	1.70	3.00	16.80
KAR20			125	-1.81	89.3	2.58	1.80	18.80
KAR20			160	-8.60	90.6	3.87	0.00	21.10
KAR20			200	-13.19	91.9	5.56	0.00	22.80
KAR21	6 624	6 627						
KAR21			20	24.97	63.9	0.00	5.60	7.60
KAR21			25	22.04	67.8	0.13	5.40	8.30
KAR21			32	21.07	73.3	0.20	5.20	9.20
KAR21			40	18.44	76.9	0.33	5.00	10.30
KAR21			50	17.51	82.0	0.46	4.70	11.50
KAR21			63	12.64	83.3	0.73	4.30	13.00
KAR21			80	9.01	86.1	1.06	3.70	14.80
KAR21			100	7.02	90.8	1.66	3.00	16.80
KAR21			125	-1.54	89.3	2.52	1.80	18.80
KAR21			160	-8.30	90.6	3.78	0.00	21.10
KAR21			200	-12.86	91.9	5.43	0.00	22.80
KAR22	6 724	6 727						
KAR22			20	24.84	63.9	0.00	5.60	7.60
KAR22			25	21.91	67.8	0.13	5.40	8.30
KAR22			32	20.94	73.3	0.20	5.20	9.20
KAR22			40	18.31	76.9	0.34	5.00	10.30
KAR22			50	17.37	82.0	0.47	4.70	11.50
KAR22			63	12.50	83.3	0.74	4.30	13.00
KAR22			80	8.87	86.1	1.08	3.70	14.80
KAR22			100	6.86	90.8	1.68	3.00	16.80
KAR22			125	-1.71	89.3	2.56	1.80	18.80
KAR22			160	-8.49	90.6	3.83	0.00	21.10
KAR22			200	-13.07	91.9	5.52	0.00	22.80
KAR23	7 268	7 271						
KAR23			20	24.17	63.9	0.00	5.60	7.60
KAR23			25	21.22	67.8	0.15	5.40	8.30
KAR23			32	20.25	73.3	0.22	5.20	9.20
KAR23			40	17.60	76.9	0.36	5.00	10.30
KAR23			50	16.66	82.0	0.51	4.70	11.50
KAR23			63	11.77	83.3	0.80	4.30	13.00
KAR23			80	8.10	86.1	1.16	3.70	14.80
KAR23			100	6.05	90.8	1.82	3.00	16.80
KAR23			125	-2.59	89.3	2.76	1.80	18.80
KAR23			160	-9.48	90.6	4.14	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			200	-14.19	91.9	5.96	0.00	22.80
KAR24	3 762	3 767						
KAR24			20	29.88	63.9	0.00	5.60	7.60
KAR24			25	27.01	67.8	0.08	5.40	8.30
KAR24			32	26.07	73.3	0.11	5.20	9.20
KAR24			40	23.49	76.9	0.19	5.00	10.30
KAR24			50	22.62	82.0	0.26	4.70	11.50
KAR24			63	17.87	83.3	0.41	4.30	13.00
KAR24			80	14.38	86.1	0.60	3.70	14.80
KAR24			100	12.64	90.8	0.94	3.00	16.80
KAR24			125	4.45	89.3	1.43	1.80	18.80
KAR24			160	-1.77	90.6	2.15	0.00	21.10
KAR24			200	-5.61	91.9	3.09	0.00	22.80
KAR25	2 976	2 982						
KAR25			20	31.91	63.9	0.00	5.60	7.60
KAR25			25	29.05	67.8	0.06	5.40	8.30
KAR25			32	28.12	73.3	0.09	5.20	9.20
KAR25			40	25.56	76.9	0.15	5.00	10.30
KAR25			50	24.70	82.0	0.21	4.70	11.50
KAR25			63	19.98	83.3	0.33	4.30	13.00
KAR25			80	16.53	86.1	0.48	3.70	14.80
KAR25			100	14.87	90.8	0.75	3.00	16.80
KAR25			125	6.78	89.3	1.13	1.80	18.80
KAR25			160	0.71	90.6	1.70	0.00	21.10
KAR25			200	-2.93	91.9	2.45	0.00	22.80
MAA01	2 120	2 125						
MAA01			20	34.85	63.9	0.00	5.60	7.60
MAA01			25	32.01	67.8	0.04	5.40	8.30
MAA01			32	31.09	73.3	0.06	5.20	9.20
MAA01			40	28.55	76.9	0.11	5.00	10.30
MAA01			50	27.70	82.0	0.15	4.70	11.50
MAA01			63	23.02	83.3	0.23	4.30	13.00
MAA01			80	19.61	86.1	0.34	3.70	14.80
MAA01			100	18.02	90.8	0.53	3.00	16.80
MAA01			125	10.04	89.3	0.81	1.80	18.80
MAA01			160	4.14	90.6	1.21	0.00	21.10
MAA01			200	0.71	91.9	1.74	0.00	22.80
MAA03	2 552	2 556						
MAA03			20	33.25	63.9	0.00	5.60	7.60
MAA03			25	30.40	67.8	0.05	5.40	8.30
MAA03			32	29.47	73.3	0.08	5.20	9.20
MAA03			40	26.92	76.9	0.13	5.00	10.30
MAA03			50	26.07	82.0	0.18	4.70	11.50
MAA03			63	21.37	83.3	0.28	4.30	13.00
MAA03			80	17.94	86.1	0.41	3.70	14.80
MAA03			100	16.31	90.8	0.64	3.00	16.80
MAA03			125	8.28	89.3	0.97	1.80	18.80
MAA03			160	2.29	90.6	1.46	0.00	21.10
MAA03			200	-1.25	91.9	2.10	0.00	22.80
MAA04	2 336	2 341						
MAA04			20	34.01	63.9	0.00	5.60	7.60
MAA04			25	31.17	67.8	0.05	5.40	8.30
MAA04			32	30.24	73.3	0.07	5.20	9.20
MAA04			40	27.70	76.9	0.12	5.00	10.30
MAA04			50	26.85	82.0	0.16	4.70	11.50
MAA04			63	22.16	83.3	0.26	4.30	13.00
MAA04			80	18.74	86.1	0.37	3.70	14.80
MAA04			100	17.13	90.8	0.59	3.00	16.80
MAA04			125	9.12	89.3	0.89	1.80	18.80
MAA04			160	3.18	90.6	1.33	0.00	21.10
MAA04			200	-0.31	91.9	1.92	0.00	22.80
MAA05	3 010	3 013						
MAA05			20	31.82	63.9	0.00	5.60	7.60
MAA05			25	28.96	67.8	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			32	28.03	73.3	0.09	5.20	9.20
MAA05			40	25.47	76.9	0.15	5.00	10.30
MAA05			50	24.61	82.0	0.21	4.70	11.50
MAA05			63	19.89	83.3	0.33	4.30	13.00
MAA05			80	16.44	86.1	0.48	3.70	14.80
MAA05			100	14.77	90.8	0.75	3.00	16.80
MAA05			125	6.68	89.3	1.14	1.80	18.80
MAA05			160	0.60	90.6	1.72	0.00	21.10
MAA05			200	-3.05	91.9	2.47	0.00	22.80
MAA06	3 765	3 768						
MAA06			20	29.88	63.9	0.00	5.60	7.60
MAA06			25	27.00	67.8	0.08	5.40	8.30
MAA06			32	26.06	73.3	0.11	5.20	9.20
MAA06			40	23.49	76.9	0.19	5.00	10.30
MAA06			50	22.61	82.0	0.26	4.70	11.50
MAA06			63	17.86	83.3	0.41	4.30	13.00
MAA06			80	14.37	86.1	0.60	3.70	14.80
MAA06			100	12.64	90.8	0.94	3.00	16.80
MAA06			125	4.45	89.3	1.43	1.80	18.80
MAA06			160	-1.77	90.6	2.15	0.00	21.10
MAA06			200	-5.61	91.9	3.09	0.00	22.80
MAA07	4 031	4 034						
MAA07			20	29.29	63.9	0.00	5.60	7.60
MAA07			25	26.41	67.8	0.08	5.40	8.30
MAA07			32	25.46	73.3	0.12	5.20	9.20
MAA07			40	22.88	76.9	0.20	5.00	10.30
MAA07			50	22.00	82.0	0.28	4.70	11.50
MAA07			63	17.24	83.3	0.44	4.30	13.00
MAA07			80	13.74	86.1	0.65	3.70	14.80
MAA07			100	11.98	90.8	1.01	3.00	16.80
MAA07			125	3.75	89.3	1.53	1.80	18.80
MAA07			160	-2.51	90.6	2.30	0.00	21.10
MAA07			200	-6.42	91.9	3.31	0.00	22.80
MAA08	4 234	4 237						
MAA08			20	28.86	63.9	0.00	5.60	7.60
MAA08			25	25.97	67.8	0.08	5.40	8.30
MAA08			32	25.03	73.3	0.13	5.20	9.20
MAA08			40	22.45	76.9	0.21	5.00	10.30
MAA08			50	21.56	82.0	0.30	4.70	11.50
MAA08			63	16.79	83.3	0.47	4.30	13.00
MAA08			80	13.28	86.1	0.68	3.70	14.80
MAA08			100	11.50	90.8	1.06	3.00	16.80
MAA08			125	3.25	89.3	1.61	1.80	18.80
MAA08			160	-3.06	90.6	2.41	0.00	21.10
MAA08			200	-7.02	91.9	3.47	0.00	22.80
RAH01	3 604	3 607						
RAH01			20	28.40	62.0	0.00	5.60	7.60
RAH01			25	26.83	67.2	0.07	5.40	8.30
RAH01			32	25.20	72.0	0.11	5.20	9.20
RAH01			40	23.80	76.8	0.18	5.00	10.30
RAH01			50	22.23	81.2	0.25	4.70	11.50
RAH01			63	19.98	85.0	0.40	4.30	13.00
RAH01			80	17.00	88.3	0.58	3.70	14.80
RAH01			100	13.35	91.1	0.90	3.00	16.80
RAH01			125	8.89	93.3	1.37	1.80	18.80
RAH01			160	3.08	95.0	2.06	0.00	21.10
RAH01			200	-0.90	96.1	2.96	0.00	22.80
RAH02	3 757	3 760						
RAH02			20	28.05	62.0	0.00	5.60	7.60
RAH02			25	26.47	67.2	0.08	5.40	8.30
RAH02			32	24.83	72.0	0.11	5.20	9.20
RAH02			40	23.43	76.8	0.19	5.00	10.30
RAH02			50	21.86	81.2	0.26	4.70	11.50
RAH02			63	19.61	85.0	0.41	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH02			80	16.62	88.3	0.60	3.70	14.80
RAH02			100	12.96	91.1	0.94	3.00	16.80
RAH02			125	8.47	93.3	1.43	1.80	18.80
RAH02			160	2.63	95.0	2.14	0.00	21.10
RAH02			200	-1.39	96.1	3.08	0.00	22.80
RAH03	3 033	3 037						
RAH03			20	29.90	62.0	0.00	5.60	7.60
RAH03			25	28.34	67.2	0.06	5.40	8.30
RAH03			32	26.71	72.0	0.09	5.20	9.20
RAH03			40	25.32	76.8	0.15	5.00	10.30
RAH03			50	23.76	81.2	0.21	4.70	11.50
RAH03			63	21.54	85.0	0.33	4.30	13.00
RAH03			80	18.59	88.3	0.49	3.70	14.80
RAH03			100	14.99	91.1	0.76	3.00	16.80
RAH03			125	10.60	93.3	1.15	1.80	18.80
RAH03			160	4.90	95.0	1.73	0.00	21.10
RAH03			200	1.06	96.1	2.49	0.00	22.80
RAH04	3 879	3 882						
RAH04			20	27.77	62.0	0.00	5.60	7.60
RAH04			25	26.19	67.2	0.08	5.40	8.30
RAH04			32	24.55	72.0	0.12	5.20	9.20
RAH04			40	23.15	76.8	0.19	5.00	10.30
RAH04			50	21.57	81.2	0.27	4.70	11.50
RAH04			63	19.31	85.0	0.43	4.30	13.00
RAH04			80	16.32	88.3	0.62	3.70	14.80
RAH04			100	12.65	91.1	0.97	3.00	16.80
RAH04			125	8.14	93.3	1.48	1.80	18.80
RAH04			160	2.28	95.0	2.21	0.00	21.10
RAH04			200	-1.77	96.1	3.18	0.00	22.80
RAH05	3 079	3 083						
RAH05			20	29.77	62.0	0.00	5.60	7.60
RAH05			25	28.21	67.2	0.06	5.40	8.30
RAH05			32	26.58	72.0	0.09	5.20	9.20
RAH05			40	25.19	76.8	0.15	5.00	10.30
RAH05			50	23.63	81.2	0.22	4.70	11.50
RAH05			63	21.41	85.0	0.34	4.30	13.00
RAH05			80	18.45	88.3	0.49	3.70	14.80
RAH05			100	14.85	91.1	0.77	3.00	16.80
RAH05			125	10.45	93.3	1.17	1.80	18.80
RAH05			160	4.74	95.0	1.76	0.00	21.10
RAH05			200	0.89	96.1	2.53	0.00	22.80
RAH06	3 472	3 476						
RAH06			20	28.73	62.0	0.00	5.60	7.60
RAH06			25	27.16	67.2	0.07	5.40	8.30
RAH06			32	25.52	72.0	0.10	5.20	9.20
RAH06			40	24.13	76.8	0.17	5.00	10.30
RAH06			50	22.56	81.2	0.24	4.70	11.50
RAH06			63	20.32	85.0	0.38	4.30	13.00
RAH06			80	17.35	88.3	0.56	3.70	14.80
RAH06			100	13.71	91.1	0.87	3.00	16.80
RAH06			125	9.26	93.3	1.32	1.80	18.80
RAH06			160	3.47	95.0	1.98	0.00	21.10
RAH06			200	-0.47	96.1	2.85	0.00	22.80
RAH07	5 119	5 122						
RAH07			20	25.36	62.0	0.00	5.60	7.60
RAH07			25	23.76	67.2	0.10	5.40	8.30
RAH07			32	22.11	72.0	0.15	5.20	9.20
RAH07			40	20.68	76.8	0.26	5.00	10.30
RAH07			50	19.08	81.2	0.36	4.70	11.50
RAH07			63	16.77	85.0	0.56	4.30	13.00
RAH07			80	13.72	88.3	0.82	3.70	14.80
RAH07			100	9.93	91.1	1.28	3.00	16.80
RAH07			125	5.27	93.3	1.95	1.80	18.80
RAH07			160	-0.83	95.0	2.92	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			200	-5.19	96.1	4.20	0.00	22.80
RAH08	5 160	5 162						
RAH08			20	25.29	62.0	0.00	5.60	7.60
RAH08			25	23.69	67.2	0.10	5.40	8.30
RAH08			32	22.04	72.0	0.15	5.20	9.20
RAH08			40	20.61	76.8	0.26	5.00	10.30
RAH08			50	19.01	81.2	0.36	4.70	11.50
RAH08			63	16.70	85.0	0.57	4.30	13.00
RAH08			80	13.64	88.3	0.83	3.70	14.80
RAH08			100	9.85	91.1	1.29	3.00	16.80
RAH08			125	5.18	93.3	1.96	1.80	18.80
RAH08			160	-0.92	95.0	2.94	0.00	21.10
RAH08			200	-5.29	96.1	4.23	0.00	22.80
RAH09	4 393	4 396						
RAH09			20	26.69	62.0	0.00	5.60	7.60
RAH09			25	25.10	67.2	0.09	5.40	8.30
RAH09			32	23.46	72.0	0.13	5.20	9.20
RAH09			40	22.04	76.8	0.22	5.00	10.30
RAH09			50	20.46	81.2	0.31	4.70	11.50
RAH09			63	18.18	85.0	0.48	4.30	13.00
RAH09			80	15.16	88.3	0.70	3.70	14.80
RAH09			100	11.44	91.1	1.10	3.00	16.80
RAH09			125	6.87	93.3	1.67	1.80	18.80
RAH09			160	0.91	95.0	2.51	0.00	21.10
RAH09			200	-3.27	96.1	3.60	0.00	22.80
RAH10	4 706	4 709						
RAH10			20	26.09	62.0	0.00	5.60	7.60
RAH10			25	24.50	67.2	0.09	5.40	8.30
RAH10			32	22.85	72.0	0.14	5.20	9.20
RAH10			40	21.43	76.8	0.24	5.00	10.30
RAH10			50	19.84	81.2	0.33	4.70	11.50
RAH10			63	17.55	85.0	0.52	4.30	13.00
RAH10			80	14.51	88.3	0.75	3.70	14.80
RAH10			100	10.77	91.1	1.18	3.00	16.80
RAH10			125	6.15	93.3	1.79	1.80	18.80
RAH10			160	0.13	95.0	2.68	0.00	21.10
RAH10			200	-4.12	96.1	3.86	0.00	22.80
RAH11	3 111	3 115						
RAH11			20	29.68	62.0	0.00	5.60	7.60
RAH11			25	28.12	67.2	0.06	5.40	8.30
RAH11			32	26.49	72.0	0.09	5.20	9.20
RAH11			40	25.10	76.8	0.16	5.00	10.30
RAH11			50	23.54	81.2	0.22	4.70	11.50
RAH11			63	21.31	85.0	0.34	4.30	13.00
RAH11			80	18.36	88.3	0.50	3.70	14.80
RAH11			100	14.75	91.1	0.78	3.00	16.80
RAH11			125	10.35	93.3	1.18	1.80	18.80
RAH11			160	4.63	95.0	1.78	0.00	21.10
RAH11			200	0.78	96.1	2.55	0.00	22.80
RAH12	3 806	3 809						
RAH12			20	27.93	62.0	0.00	5.60	7.60
RAH12			25	26.36	67.2	0.08	5.40	8.30
RAH12			32	24.72	72.0	0.11	5.20	9.20
RAH12			40	23.32	76.8	0.19	5.00	10.30
RAH12			50	21.74	81.2	0.27	4.70	11.50
RAH12			63	19.49	85.0	0.42	4.30	13.00
RAH12			80	16.50	88.3	0.61	3.70	14.80
RAH12			100	12.83	91.1	0.95	3.00	16.80
RAH12			125	8.34	93.3	1.45	1.80	18.80
RAH12			160	2.49	95.0	2.17	0.00	21.10
RAH12			200	-1.54	96.1	3.12	0.00	22.80
RAH13	3 582	3 586						
RAH13			20	28.46	62.0	0.00	5.60	7.60
RAH13			25	26.88	67.2	0.07	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			32	25.25	72.0	0.11	5.20	9.20
RAH13			40	23.85	76.8	0.18	5.00	10.30
RAH13			50	22.28	81.2	0.25	4.70	11.50
RAH13			63	20.04	85.0	0.39	4.30	13.00
RAH13			80	17.06	88.3	0.57	3.70	14.80
RAH13			100	13.41	91.1	0.90	3.00	16.80
RAH13			125	8.95	93.3	1.36	1.80	18.80
RAH13			160	3.14	95.0	2.04	0.00	21.10
RAH13			200	-0.83	96.1	2.94	0.00	22.80
RAH14	2 927	2 932						
RAH14			20	30.21	62.0	0.00	5.60	7.60
RAH14			25	28.65	67.2	0.06	5.40	8.30
RAH14			32	27.02	72.0	0.09	5.20	9.20
RAH14			40	25.64	76.8	0.15	5.00	10.30
RAH14			50	24.08	81.2	0.21	4.70	11.50
RAH14			63	21.86	85.0	0.32	4.30	13.00
RAH14			80	18.91	88.3	0.47	3.70	14.80
RAH14			100	15.33	91.1	0.73	3.00	16.80
RAH14			125	10.94	93.3	1.11	1.80	18.80
RAH14			160	5.26	95.0	1.67	0.00	21.10
RAH14			200	1.45	96.1	2.40	0.00	22.80
RAH15	3 644	3 648						
RAH15			20	28.31	62.0	0.00	5.60	7.60
RAH15			25	26.73	67.2	0.07	5.40	8.30
RAH15			32	25.10	72.0	0.11	5.20	9.20
RAH15			40	23.70	76.8	0.18	5.00	10.30
RAH15			50	22.13	81.2	0.26	4.70	11.50
RAH15			63	19.88	85.0	0.40	4.30	13.00
RAH15			80	16.90	88.3	0.58	3.70	14.80
RAH15			100	13.25	91.1	0.91	3.00	16.80
RAH15			125	8.77	93.3	1.39	1.80	18.80
RAH15			160	2.96	95.0	2.08	0.00	21.10
RAH15			200	-1.03	96.1	2.99	0.00	22.80
RAH16	4 333	4 335						
RAH16			20	26.81	62.0	0.00	5.60	7.60
RAH16			25	25.22	67.2	0.09	5.40	8.30
RAH16			32	23.58	72.0	0.13	5.20	9.20
RAH16			40	22.17	76.8	0.22	5.00	10.30
RAH16			50	20.58	81.2	0.30	4.70	11.50
RAH16			63	18.31	85.0	0.48	4.30	13.00
RAH16			80	15.29	88.3	0.69	3.70	14.80
RAH16			100	11.58	91.1	1.08	3.00	16.80
RAH16			125	7.01	93.3	1.65	1.80	18.80
RAH16			160	1.06	95.0	2.47	0.00	21.10
RAH16			200	-3.10	96.1	3.56	0.00	22.80
RAH17	2 611	2 617						
RAH17			20	31.19	62.0	0.00	5.60	7.60
RAH17			25	29.64	67.2	0.05	5.40	8.30
RAH17			32	28.01	72.0	0.08	5.20	9.20
RAH17			40	26.64	76.8	0.13	5.00	10.30
RAH17			50	25.08	81.2	0.18	4.70	11.50
RAH17			63	22.88	85.0	0.29	4.30	13.00
RAH17			80	19.95	88.3	0.42	3.70	14.80
RAH17			100	16.39	91.1	0.65	3.00	16.80
RAH17			125	12.05	93.3	0.99	1.80	18.80
RAH17			160	6.43	95.0	1.49	0.00	21.10
RAH17			200	2.70	96.1	2.15	0.00	22.80
RAH18	3 246	3 250						
RAH18			20	29.31	62.0	0.00	5.60	7.60
RAH18			25	27.74	67.2	0.07	5.40	8.30
RAH18			32	26.11	72.0	0.10	5.20	9.20
RAH18			40	24.72	76.8	0.16	5.00	10.30
RAH18			50	23.16	81.2	0.23	4.70	11.50
RAH18			63	20.93	85.0	0.36	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH18			80	17.97	88.3	0.52	3.70	14.80
RAH18			100	14.35	91.1	0.81	3.00	16.80
RAH18			125	9.93	93.3	1.24	1.80	18.80
RAH18			160	4.18	95.0	1.85	0.00	21.10
RAH18			200	0.30	96.1	2.67	0.00	22.80
RAH19	3 202	3 207						
RAH19			20	29.43	62.0	0.00	5.60	7.60
RAH19			25	27.86	67.2	0.06	5.40	8.30
RAH19			32	26.23	72.0	0.10	5.20	9.20
RAH19			40	24.84	76.8	0.16	5.00	10.30
RAH19			50	23.28	81.2	0.22	4.70	11.50
RAH19			63	21.05	85.0	0.35	4.30	13.00
RAH19			80	18.09	88.3	0.51	3.70	14.80
RAH19			100	14.48	91.1	0.80	3.00	16.80
RAH19			125	10.06	93.3	1.22	1.80	18.80
RAH19			160	4.33	95.0	1.83	0.00	21.10
RAH19			200	0.45	96.1	2.63	0.00	22.80
SIL01	9 131	9 132						
SIL01			20	21.61	63.3	0.00	5.60	7.60
SIL01			25	19.82	68.4	0.18	5.40	8.30
SIL01			32	13.84	68.9	0.27	5.20	9.20
SIL01			40	10.76	72.1	0.46	5.00	10.30
SIL01			50	9.37	76.8	0.64	4.70	11.50
SIL01			63	6.09	79.8	1.00	4.30	13.00
SIL01			80	2.34	82.6	1.46	3.70	14.80
SIL01			100	-1.17	86.0	2.28	3.00	16.80
SIL01			125	-5.29	89.3	3.47	1.80	18.80
SIL01			160	-14.93	88.2	5.21	0.00	21.10
SIL01			200	-19.61	90.0	7.49	0.00	22.80
SIL02	8 614	8 615						
SIL02			20	22.12	63.3	0.00	5.60	7.60
SIL02			25	20.34	68.4	0.17	5.40	8.30
SIL02			32	14.37	68.9	0.26	5.20	9.20
SIL02			40	11.29	72.1	0.43	5.00	10.30
SIL02			50	9.91	76.8	0.60	4.70	11.50
SIL02			63	6.65	79.8	0.95	4.30	13.00
SIL02			80	2.93	82.6	1.38	3.70	14.80
SIL02			100	-0.53	86.0	2.15	3.00	16.80
SIL02			125	-4.59	89.3	3.27	1.80	18.80
SIL02			160	-14.13	88.2	4.91	0.00	21.10
SIL02			200	-18.68	90.0	7.06	0.00	22.80
SIL03	7 971	7 973						
SIL03			20	22.79	63.3	0.00	5.60	7.60
SIL03			25	21.03	68.4	0.16	5.40	8.30
SIL03			32	15.06	68.9	0.24	5.20	9.20
SIL03			40	11.99	72.1	0.40	5.00	10.30
SIL03			50	10.63	76.8	0.56	4.70	11.50
SIL03			63	7.40	79.8	0.88	4.30	13.00
SIL03			80	3.70	82.6	1.28	3.70	14.80
SIL03			100	0.30	86.0	1.99	3.00	16.80
SIL03			125	-3.67	89.3	3.03	1.80	18.80
SIL03			160	-13.09	88.2	4.54	0.00	21.10
SIL03			200	-17.48	90.0	6.54	0.00	22.80
SIL04	7 986	7 988						
SIL04			20	22.78	63.3	0.00	5.60	7.60
SIL04			25	21.01	68.4	0.16	5.40	8.30
SIL04			32	15.04	68.9	0.24	5.20	9.20
SIL04			40	11.98	72.1	0.40	5.00	10.30
SIL04			50	10.62	76.8	0.56	4.70	11.50
SIL04			63	7.38	79.8	0.88	4.30	13.00
SIL04			80	3.69	82.6	1.28	3.70	14.80
SIL04			100	0.28	86.0	2.00	3.00	16.80
SIL04			125	-3.70	89.3	3.04	1.80	18.80
SIL04			160	-13.12	88.2	4.55	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			200	-17.51	90.0	6.55	0.00	22.80
SIL05	8 892	8 893						
SIL05			20	21.84	63.3	0.00	5.60	7.60
SIL05			25	20.06	68.4	0.18	5.40	8.30
SIL05			32	14.08	68.9	0.27	5.20	9.20
SIL05			40	11.00	72.1	0.44	5.00	10.30
SIL05			50	9.62	76.8	0.62	4.70	11.50
SIL05			63	6.35	79.8	0.98	4.30	13.00
SIL05			80	2.61	82.6	1.42	3.70	14.80
SIL05			100	-0.88	86.0	2.22	3.00	16.80
SIL05			125	-4.97	89.3	3.38	1.80	18.80
SIL05			160	-14.57	88.2	5.07	0.00	21.10
SIL05			200	-19.19	90.0	7.29	0.00	22.80
SIL06	8 499	8 501						
SIL06			20	22.23	63.3	0.00	5.60	7.60
SIL06			25	20.46	68.4	0.17	5.40	8.30
SIL06			32	14.48	68.9	0.26	5.20	9.20
SIL06			40	11.41	72.1	0.43	5.00	10.30
SIL06			50	10.04	76.8	0.60	4.70	11.50
SIL06			63	6.78	79.8	0.94	4.30	13.00
SIL06			80	3.06	82.6	1.36	3.70	14.80
SIL06			100	-0.39	86.0	2.13	3.00	16.80
SIL06			125	-4.43	89.3	3.23	1.80	18.80
SIL06			160	-13.95	88.2	4.85	0.00	21.10
SIL06			200	-18.47	90.0	6.97	0.00	22.80
SIL07	7 944	7 945						
SIL07			20	22.82	63.3	0.00	5.60	7.60
SIL07			25	21.06	68.4	0.16	5.40	8.30
SIL07			32	15.09	68.9	0.24	5.20	9.20
SIL07			40	12.02	72.1	0.40	5.00	10.30
SIL07			50	10.67	76.8	0.56	4.70	11.50
SIL07			63	7.43	79.8	0.87	4.30	13.00
SIL07			80	3.74	82.6	1.27	3.70	14.80
SIL07			100	0.34	86.0	1.99	3.00	16.80
SIL07			125	-3.63	89.3	3.02	1.80	18.80
SIL07			160	-13.05	88.2	4.53	0.00	21.10
SIL07			200	-17.43	90.0	6.52	0.00	22.80
SIL08	8 316	8 317						
SIL08			20	22.42	63.3	0.00	5.60	7.60
SIL08			25	20.65	68.4	0.17	5.40	8.30
SIL08			32	14.68	68.9	0.25	5.20	9.20
SIL08			40	11.61	72.1	0.42	5.00	10.30
SIL08			50	10.24	76.8	0.58	4.70	11.50
SIL08			63	6.99	79.8	0.91	4.30	13.00
SIL08			80	3.28	82.6	1.33	3.70	14.80
SIL08			100	-0.15	86.0	2.08	3.00	16.80
SIL08			125	-4.17	89.3	3.16	1.80	18.80
SIL08			160	-13.66	88.2	4.74	0.00	21.10
SIL08			200	-18.13	90.0	6.82	0.00	22.80
Sum								
Sum			20	46.26				
Sum			25	43.88				
Sum			32	42.57				
Sum			40	40.45				
Sum			50	39.29				
Sum			63	35.71				
Sum			80	32.50				
Sum			100	29.79				
Sum			125	23.72				
Sum			160	17.78				
Sum			200	13.89				

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Noise sensitive area: AA Noise sensitive point: Finnish normal frequency - User defined (48)

Wind speed: 8.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 070	4 075						
KAR01			20	29.20	63.9	0.00	5.60	7.60
KAR01			25	26.32	67.8	0.08	5.40	8.30
KAR01			32	25.38	73.3	0.12	5.20	9.20
KAR01			40	22.79	76.9	0.20	5.00	10.30
KAR01			50	21.91	82.0	0.29	4.70	11.50
KAR01			63	17.15	83.3	0.45	4.30	13.00
KAR01			80	13.65	86.1	0.65	3.70	14.80
KAR01			100	11.88	90.8	1.02	3.00	16.80
KAR01			125	3.65	89.3	1.55	1.80	18.80
KAR01			160	-2.63	90.6	2.32	0.00	21.10
KAR01			200	-6.54	91.9	3.34	0.00	22.80
KAR02	3 710	3 715						
KAR02			20	30.00	63.9	0.00	5.60	7.60
KAR02			25	27.13	67.8	0.07	5.40	8.30
KAR02			32	26.19	73.3	0.11	5.20	9.20
KAR02			40	23.61	76.9	0.19	5.00	10.30
KAR02			50	22.74	82.0	0.26	4.70	11.50
KAR02			63	17.99	83.3	0.41	4.30	13.00
KAR02			80	14.51	86.1	0.59	3.70	14.80
KAR02			100	12.77	90.8	0.93	3.00	16.80
KAR02			125	4.59	89.3	1.41	1.80	18.80
KAR02			160	-1.62	90.6	2.12	0.00	21.10
KAR02			200	-5.45	91.9	3.05	0.00	22.80
KAR03	4 180	4 184						
KAR03			20	28.97	63.9	0.00	5.60	7.60
KAR03			25	26.08	67.8	0.08	5.40	8.30
KAR03			32	25.14	73.3	0.13	5.20	9.20
KAR03			40	22.56	76.9	0.21	5.00	10.30
KAR03			50	21.67	82.0	0.29	4.70	11.50
KAR03			63	16.91	83.3	0.46	4.30	13.00
KAR03			80	13.40	86.1	0.67	3.70	14.80
KAR03			100	11.62	90.8	1.05	3.00	16.80
KAR03			125	3.38	89.3	1.59	1.80	18.80
KAR03			160	-2.92	90.6	2.39	0.00	21.10
KAR03			200	-6.86	91.9	3.43	0.00	22.80
KAR04	4 813	4 817						
KAR04			20	27.75	63.9	0.00	5.60	7.60
KAR04			25	24.85	67.8	0.10	5.40	8.30
KAR04			32	23.90	73.3	0.14	5.20	9.20
KAR04			40	21.30	76.9	0.24	5.00	10.30
KAR04			50	20.41	82.0	0.34	4.70	11.50
KAR04			63	15.62	83.3	0.53	4.30	13.00
KAR04			80	12.07	86.1	0.77	3.70	14.80
KAR04			100	10.24	90.8	1.20	3.00	16.80
KAR04			125	1.91	89.3	1.83	1.80	18.80
KAR04			160	-4.50	90.6	2.75	0.00	21.10
KAR04			200	-8.60	91.9	3.95	0.00	22.80
KAR05	5 435	5 439						
KAR05			20	26.69	63.9	0.00	5.60	7.60
KAR05			25	23.78	67.8	0.11	5.40	8.30
KAR05			32	22.83	73.3	0.16	5.20	9.20
KAR05			40	20.22	76.9	0.27	5.00	10.30
KAR05			50	19.31	82.0	0.38	4.70	11.50
KAR05			63	14.49	83.3	0.60	4.30	13.00
KAR05			80	10.92	86.1	0.87	3.70	14.80
KAR05			100	9.03	90.8	1.36	3.00	16.80
KAR05			125	0.62	89.3	2.07	1.80	18.80
KAR05			160	-5.91	90.6	3.10	0.00	21.10
KAR05			200	-10.17	91.9	4.46	0.00	22.80
KAR06	4 635	4 639						
KAR06			20	28.07	63.9	0.00	5.60	7.60
KAR06			25	25.18	67.8	0.09	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			32	24.23	73.3	0.14	5.20	9.20
KAR06			40	21.64	76.9	0.23	5.00	10.30
KAR06			50	20.75	82.0	0.32	4.70	11.50
KAR06			63	15.96	83.3	0.51	4.30	13.00
KAR06			80	12.43	86.1	0.74	3.70	14.80
KAR06			100	10.61	90.8	1.16	3.00	16.80
KAR06			125	2.31	89.3	1.76	1.80	18.80
KAR06			160	-4.07	90.6	2.64	0.00	21.10
KAR06			200	-8.13	91.9	3.80	0.00	22.80
KAR07	4 364	4 367						
KAR07			20	28.60	63.9	0.00	5.60	7.60
KAR07			25	25.71	67.8	0.09	5.40	8.30
KAR07			32	24.76	73.3	0.13	5.20	9.20
KAR07			40	22.18	76.9	0.22	5.00	10.30
KAR07			50	21.29	82.0	0.31	4.70	11.50
KAR07			63	16.52	83.3	0.48	4.30	13.00
KAR07			80	13.00	86.1	0.70	3.70	14.80
KAR07			100	11.20	90.8	1.09	3.00	16.80
KAR07			125	2.94	89.3	1.66	1.80	18.80
KAR07			160	-3.39	90.6	2.49	0.00	21.10
KAR07			200	-7.39	91.9	3.58	0.00	22.80
KAR08	4 289	4 293						
KAR08			20	28.74	63.9	0.00	5.60	7.60
KAR08			25	25.86	67.8	0.09	5.40	8.30
KAR08			32	24.92	73.3	0.13	5.20	9.20
KAR08			40	22.33	76.9	0.21	5.00	10.30
KAR08			50	21.44	82.0	0.30	4.70	11.50
KAR08			63	16.67	83.3	0.47	4.30	13.00
KAR08			80	13.16	86.1	0.69	3.70	14.80
KAR08			100	11.37	90.8	1.07	3.00	16.80
KAR08			125	3.11	89.3	1.63	1.80	18.80
KAR08			160	-3.20	90.6	2.45	0.00	21.10
KAR08			200	-7.18	91.9	3.52	0.00	22.80
KAR09	5 836	5 839						
KAR09			20	26.07	63.9	0.00	5.60	7.60
KAR09			25	23.16	67.8	0.12	5.40	8.30
KAR09			32	22.20	73.3	0.18	5.20	9.20
KAR09			40	19.58	76.9	0.29	5.00	10.30
KAR09			50	18.66	82.0	0.41	4.70	11.50
KAR09			63	13.83	83.3	0.64	4.30	13.00
KAR09			80	10.24	86.1	0.93	3.70	14.80
KAR09			100	8.31	90.8	1.46	3.00	16.80
KAR09			125	-0.15	89.3	2.22	1.80	18.80
KAR09			160	-6.76	90.6	3.33	0.00	21.10
KAR09			200	-11.12	91.9	4.79	0.00	22.80
KAR10	5 430	5 434						
KAR10			20	26.70	63.9	0.00	5.60	7.60
KAR10			25	23.79	67.8	0.11	5.40	8.30
KAR10			32	22.83	73.3	0.16	5.20	9.20
KAR10			40	20.23	76.9	0.27	5.00	10.30
KAR10			50	19.32	82.0	0.38	4.70	11.50
KAR10			63	14.50	83.3	0.60	4.30	13.00
KAR10			80	10.93	86.1	0.87	3.70	14.80
KAR10			100	9.04	90.8	1.36	3.00	16.80
KAR10			125	0.63	89.3	2.06	1.80	18.80
KAR10			160	-5.90	90.6	3.10	0.00	21.10
KAR10			200	-10.16	91.9	4.46	0.00	22.80
KAR11	5 060	5 063						
KAR11			20	27.31	63.9	0.00	5.60	7.60
KAR11			25	24.41	67.8	0.10	5.40	8.30
KAR11			32	23.46	73.3	0.15	5.20	9.20
KAR11			40	20.86	76.9	0.25	5.00	10.30
KAR11			50	19.96	82.0	0.35	4.70	11.50
KAR11			63	15.15	83.3	0.56	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			80	11.60	86.1	0.81	3.70	14.80
KAR11			100	9.75	90.8	1.27	3.00	16.80
KAR11			125	1.39	89.3	1.92	1.80	18.80
KAR11			160	-5.08	90.6	2.89	0.00	21.10
KAR11			200	-9.24	91.9	4.15	0.00	22.80
KAR12	5 863	5 866						
KAR12			20	26.03	63.9	0.00	5.60	7.60
KAR12			25	23.12	67.8	0.12	5.40	8.30
KAR12			32	22.16	73.3	0.18	5.20	9.20
KAR12			40	19.54	76.9	0.29	5.00	10.30
KAR12			50	18.62	82.0	0.41	4.70	11.50
KAR12			63	13.79	83.3	0.65	4.30	13.00
KAR12			80	10.19	86.1	0.94	3.70	14.80
KAR12			100	8.27	90.8	1.47	3.00	16.80
KAR12			125	-0.20	89.3	2.23	1.80	18.80
KAR12			160	-6.81	90.6	3.34	0.00	21.10
KAR12			200	-11.18	91.9	4.81	0.00	22.80
KAR13	5 377	5 380						
KAR13			20	26.78	63.9	0.00	5.60	7.60
KAR13			25	23.88	67.8	0.11	5.40	8.30
KAR13			32	22.92	73.3	0.16	5.20	9.20
KAR13			40	20.32	76.9	0.27	5.00	10.30
KAR13			50	19.41	82.0	0.38	4.70	11.50
KAR13			63	14.59	83.3	0.59	4.30	13.00
KAR13			80	11.02	86.1	0.86	3.70	14.80
KAR13			100	9.14	90.8	1.35	3.00	16.80
KAR13			125	0.74	89.3	2.04	1.80	18.80
KAR13			160	-5.78	90.6	3.07	0.00	21.10
KAR13			200	-10.03	91.9	4.41	0.00	22.80
KAR14	6 324	6 328						
KAR14			20	25.38	63.9	0.00	5.60	7.60
KAR14			25	22.45	67.8	0.13	5.40	8.30
KAR14			32	21.49	73.3	0.19	5.20	9.20
KAR14			40	18.86	76.9	0.32	5.00	10.30
KAR14			50	17.93	82.0	0.44	4.70	11.50
KAR14			63	13.08	83.3	0.70	4.30	13.00
KAR14			80	9.46	86.1	1.01	3.70	14.80
KAR14			100	7.49	90.8	1.58	3.00	16.80
KAR14			125	-1.03	89.3	2.40	1.80	18.80
KAR14			160	-7.73	90.6	3.61	0.00	21.10
KAR14			200	-12.21	91.9	5.19	0.00	22.80
KAR15	5 281	5 285						
KAR15			20	26.94	63.9	0.00	5.60	7.60
KAR15			25	24.03	67.8	0.11	5.40	8.30
KAR15			32	23.08	73.3	0.16	5.20	9.20
KAR15			40	20.48	76.9	0.26	5.00	10.30
KAR15			50	19.57	82.0	0.37	4.70	11.50
KAR15			63	14.76	83.3	0.58	4.30	13.00
KAR15			80	11.19	86.1	0.85	3.70	14.80
KAR15			100	9.32	90.8	1.32	3.00	16.80
KAR15			125	0.93	89.3	2.01	1.80	18.80
KAR15			160	-5.57	90.6	3.01	0.00	21.10
KAR15			200	-9.79	91.9	4.33	0.00	22.80
KAR16	6 524	6 527						
KAR16			20	25.11	63.9	0.00	5.60	7.60
KAR16			25	22.18	67.8	0.13	5.40	8.30
KAR16			32	21.21	73.3	0.20	5.20	9.20
KAR16			40	18.58	76.9	0.33	5.00	10.30
KAR16			50	17.65	82.0	0.46	4.70	11.50
KAR16			63	12.79	83.3	0.72	4.30	13.00
KAR16			80	9.16	86.1	1.04	3.70	14.80
KAR16			100	7.17	90.8	1.63	3.00	16.80
KAR16			125	-1.37	89.3	2.48	1.80	18.80
KAR16			160	-8.11	90.6	3.72	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			200	-12.65	91.9	5.35	0.00	22.80
KAR17	6 336	6 339						
KAR17			20	25.36	63.9	0.00	5.60	7.60
KAR17			25	22.43	67.8	0.13	5.40	8.30
KAR17			32	21.47	73.3	0.19	5.20	9.20
KAR17			40	18.84	76.9	0.32	5.00	10.30
KAR17			50	17.92	82.0	0.44	4.70	11.50
KAR17			63	13.06	83.3	0.70	4.30	13.00
KAR17			80	9.44	86.1	1.01	3.70	14.80
KAR17			100	7.47	90.8	1.58	3.00	16.80
KAR17			125	-1.05	89.3	2.41	1.80	18.80
KAR17			160	-7.75	90.6	3.61	0.00	21.10
KAR17			200	-12.24	91.9	5.20	0.00	22.80
KAR18	7 038	7 041						
KAR18			20	24.45	63.9	0.00	5.60	7.60
KAR18			25	21.51	67.8	0.14	5.40	8.30
KAR18			32	20.54	73.3	0.21	5.20	9.20
KAR18			40	17.89	76.9	0.35	5.00	10.30
KAR18			50	16.95	82.0	0.49	4.70	11.50
KAR18			63	12.07	83.3	0.77	4.30	13.00
KAR18			80	8.42	86.1	1.13	3.70	14.80
KAR18			100	6.39	90.8	1.76	3.00	16.80
KAR18			125	-2.23	89.3	2.68	1.80	18.80
KAR18			160	-9.07	90.6	4.01	0.00	21.10
KAR18			200	-13.73	91.9	5.77	0.00	22.80
KAR19	5 991	5 994						
KAR19			20	25.85	63.9	0.00	5.60	7.60
KAR19			25	22.93	67.8	0.12	5.40	8.30
KAR19			32	21.97	73.3	0.18	5.20	9.20
KAR19			40	19.35	76.9	0.30	5.00	10.30
KAR19			50	18.43	82.0	0.42	4.70	11.50
KAR19			63	13.59	83.3	0.66	4.30	13.00
KAR19			80	9.99	86.1	0.96	3.70	14.80
KAR19			100	8.05	90.8	1.50	3.00	16.80
KAR19			125	-0.43	89.3	2.28	1.80	18.80
KAR19			160	-7.07	90.6	3.42	0.00	21.10
KAR19			200	-11.47	91.9	4.92	0.00	22.80
KAR20	6 993	6 996						
KAR20			20	24.50	63.9	0.00	5.60	7.60
KAR20			25	21.56	67.8	0.14	5.40	8.30
KAR20			32	20.59	73.3	0.21	5.20	9.20
KAR20			40	17.95	76.9	0.35	5.00	10.30
KAR20			50	17.01	82.0	0.49	4.70	11.50
KAR20			63	12.13	83.3	0.77	4.30	13.00
KAR20			80	8.48	86.1	1.12	3.70	14.80
KAR20			100	6.45	90.8	1.75	3.00	16.80
KAR20			125	-2.16	89.3	2.66	1.80	18.80
KAR20			160	-8.99	90.6	3.99	0.00	21.10
KAR20			200	-13.63	91.9	5.74	0.00	22.80
KAR21	6 703	6 706						
KAR21			20	24.87	63.9	0.00	5.60	7.60
KAR21			25	21.94	67.8	0.13	5.40	8.30
KAR21			32	20.97	73.3	0.20	5.20	9.20
KAR21			40	18.34	76.9	0.34	5.00	10.30
KAR21			50	17.40	82.0	0.47	4.70	11.50
KAR21			63	12.53	83.3	0.74	4.30	13.00
KAR21			80	8.90	86.1	1.07	3.70	14.80
KAR21			100	6.89	90.8	1.68	3.00	16.80
KAR21			125	-1.68	89.3	2.55	1.80	18.80
KAR21			160	-8.45	90.6	3.82	0.00	21.10
KAR21			200	-13.03	91.9	5.50	0.00	22.80
KAR22	6 701	6 704						
KAR22			20	24.87	63.9	0.00	5.60	7.60
KAR22			25	21.94	67.8	0.13	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			32	20.97	73.3	0.20	5.20	9.20
KAR22			40	18.34	76.9	0.34	5.00	10.30
KAR22			50	17.40	82.0	0.47	4.70	11.50
KAR22			63	12.54	83.3	0.74	4.30	13.00
KAR22			80	8.90	86.1	1.07	3.70	14.80
KAR22			100	6.90	90.8	1.68	3.00	16.80
KAR22			125	-1.67	89.3	2.55	1.80	18.80
KAR22			160	-8.45	90.6	3.82	0.00	21.10
KAR22			200	-13.02	91.9	5.50	0.00	22.80
KAR23	7 281	7 283						
KAR23			20	24.15	63.9	0.00	5.60	7.60
KAR23			25	21.21	67.8	0.15	5.40	8.30
KAR23			32	20.23	73.3	0.22	5.20	9.20
KAR23			40	17.59	76.9	0.36	5.00	10.30
KAR23			50	16.64	82.0	0.51	4.70	11.50
KAR23			63	11.75	83.3	0.80	4.30	13.00
KAR23			80	8.09	86.1	1.17	3.70	14.80
KAR23			100	6.03	90.8	1.82	3.00	16.80
KAR23			125	-2.61	89.3	2.77	1.80	18.80
KAR23			160	-9.50	90.6	4.15	0.00	21.10
KAR23			200	-14.22	91.9	5.97	0.00	22.80
KAR24	4 495	4 499						
KAR24			20	28.34	63.9	0.00	5.60	7.60
KAR24			25	25.45	67.8	0.09	5.40	8.30
KAR24			32	24.50	73.3	0.13	5.20	9.20
KAR24			40	21.91	76.9	0.22	5.00	10.30
KAR24			50	21.02	82.0	0.31	4.70	11.50
KAR24			63	16.24	83.3	0.49	4.30	13.00
KAR24			80	12.72	86.1	0.72	3.70	14.80
KAR24			100	10.91	90.8	1.12	3.00	16.80
KAR24			125	2.63	89.3	1.71	1.80	18.80
KAR24			160	-3.73	90.6	2.56	0.00	21.10
KAR24			200	-7.75	91.9	3.69	0.00	22.80
KAR25	3 401	3 406						
KAR25			20	30.75	63.9	0.00	5.60	7.60
KAR25			25	27.89	67.8	0.07	5.40	8.30
KAR25			32	26.95	73.3	0.10	5.20	9.20
KAR25			40	24.38	76.9	0.17	5.00	10.30
KAR25			50	23.52	82.0	0.24	4.70	11.50
KAR25			63	18.78	83.3	0.37	4.30	13.00
KAR25			80	15.31	86.1	0.54	3.70	14.80
KAR25			100	13.60	90.8	0.85	3.00	16.80
KAR25			125	5.46	89.3	1.29	1.80	18.80
KAR25			160	-0.69	90.6	1.94	0.00	21.10
KAR25			200	-4.44	91.9	2.79	0.00	22.80
MAA01	2 033	2 038						
MAA01			20	35.21	63.9	0.00	5.60	7.60
MAA01			25	32.37	67.8	0.04	5.40	8.30
MAA01			32	31.45	73.3	0.06	5.20	9.20
MAA01			40	28.91	76.9	0.10	5.00	10.30
MAA01			50	28.07	82.0	0.14	4.70	11.50
MAA01			63	23.39	83.3	0.22	4.30	13.00
MAA01			80	19.99	86.1	0.33	3.70	14.80
MAA01			100	18.40	90.8	0.51	3.00	16.80
MAA01			125	10.44	89.3	0.77	1.80	18.80
MAA01			160	4.55	90.6	1.16	0.00	21.10
MAA01			200	1.14	91.9	1.67	0.00	22.80
MAA03	2 111	2 116						
MAA03			20	34.89	63.9	0.00	5.60	7.60
MAA03			25	32.05	67.8	0.04	5.40	8.30
MAA03			32	31.13	73.3	0.06	5.20	9.20
MAA03			40	28.59	76.9	0.11	5.00	10.30
MAA03			50	27.74	82.0	0.15	4.70	11.50
MAA03			63	23.06	83.3	0.23	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			80	19.65	86.1	0.34	3.70	14.80
MAA03			100	18.06	90.8	0.53	3.00	16.80
MAA03			125	10.09	89.3	0.80	1.80	18.80
MAA03			160	4.18	90.6	1.21	0.00	21.10
MAA03			200	0.76	91.9	1.73	0.00	22.80
MAA04	1 412	1 420						
MAA04			20	38.36	63.9	0.00	5.60	7.60
MAA04			25	35.53	67.8	0.03	5.40	8.30
MAA04			32	34.61	73.3	0.04	5.20	9.20
MAA04			40	32.09	76.9	0.07	5.00	10.30
MAA04			50	31.26	82.0	0.10	4.70	11.50
MAA04			63	26.60	83.3	0.16	4.30	13.00
MAA04			80	23.23	86.1	0.23	3.70	14.80
MAA04			100	21.70	90.8	0.35	3.00	16.80
MAA04			125	13.82	89.3	0.54	1.80	18.80
MAA04			160	8.05	90.6	0.81	0.00	21.10
MAA04			200	4.79	91.9	1.16	0.00	22.80
MAA05	2 318	2 322						
MAA05			20	34.08	63.9	0.00	5.60	7.60
MAA05			25	31.24	67.8	0.05	5.40	8.30
MAA05			32	30.31	73.3	0.07	5.20	9.20
MAA05			40	27.77	76.9	0.12	5.00	10.30
MAA05			50	26.92	82.0	0.16	4.70	11.50
MAA05			63	22.23	83.3	0.26	4.30	13.00
MAA05			80	18.81	86.1	0.37	3.70	14.80
MAA05			100	17.20	90.8	0.58	3.00	16.80
MAA05			125	9.20	89.3	0.88	1.80	18.80
MAA05			160	3.26	90.6	1.32	0.00	21.10
MAA05			200	-0.22	91.9	1.90	0.00	22.80
MAA06	2 809	2 813						
MAA06			20	32.42	63.9	0.00	5.60	7.60
MAA06			25	29.56	67.8	0.06	5.40	8.30
MAA06			32	28.63	73.3	0.08	5.20	9.20
MAA06			40	26.08	76.9	0.14	5.00	10.30
MAA06			50	25.22	82.0	0.20	4.70	11.50
MAA06			63	20.51	83.3	0.31	4.30	13.00
MAA06			80	17.07	86.1	0.45	3.70	14.80
MAA06			100	15.41	90.8	0.70	3.00	16.80
MAA06			125	7.35	89.3	1.07	1.80	18.80
MAA06			160	1.31	90.6	1.60	0.00	21.10
MAA06			200	-2.29	91.9	2.31	0.00	22.80
MAA07	2 980	2 983						
MAA07			20	31.91	63.9	0.00	5.60	7.60
MAA07			25	29.05	67.8	0.06	5.40	8.30
MAA07			32	28.12	73.3	0.09	5.20	9.20
MAA07			40	25.56	76.9	0.15	5.00	10.30
MAA07			50	24.70	82.0	0.21	4.70	11.50
MAA07			63	19.98	83.3	0.33	4.30	13.00
MAA07			80	16.53	86.1	0.48	3.70	14.80
MAA07			100	14.86	90.8	0.75	3.00	16.80
MAA07			125	6.77	89.3	1.13	1.80	18.80
MAA07			160	0.71	90.6	1.70	0.00	21.10
MAA07			200	-2.94	91.9	2.45	0.00	22.80
MAA08	3 140	3 144						
MAA08			20	31.45	63.9	0.00	5.60	7.60
MAA08			25	28.59	67.8	0.06	5.40	8.30
MAA08			32	27.66	73.3	0.09	5.20	9.20
MAA08			40	25.09	76.9	0.16	5.00	10.30
MAA08			50	24.23	82.0	0.22	4.70	11.50
MAA08			63	19.51	83.3	0.35	4.30	13.00
MAA08			80	16.05	86.1	0.50	3.70	14.80
MAA08			100	14.37	90.8	0.79	3.00	16.80
MAA08			125	6.26	89.3	1.19	1.80	18.80
MAA08			160	0.16	90.6	1.79	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			200	-3.53	91.9	2.58	0.00	22.80
RAH01	3 757	3 760						
RAH01			20	28.05	62.0	0.00	5.60	7.60
RAH01			25	26.47	67.2	0.08	5.40	8.30
RAH01			32	24.83	72.0	0.11	5.20	9.20
RAH01			40	23.43	76.8	0.19	5.00	10.30
RAH01			50	21.86	81.2	0.26	4.70	11.50
RAH01			63	19.61	85.0	0.41	4.30	13.00
RAH01			80	16.62	88.3	0.60	3.70	14.80
RAH01			100	12.96	91.1	0.94	3.00	16.80
RAH01			125	8.47	93.3	1.43	1.80	18.80
RAH01			160	2.63	95.0	2.14	0.00	21.10
RAH01			200	-1.39	96.1	3.08	0.00	22.80
RAH02	3 652	3 655						
RAH02			20	28.29	62.0	0.00	5.60	7.60
RAH02			25	26.72	67.2	0.07	5.40	8.30
RAH02			32	25.08	72.0	0.11	5.20	9.20
RAH02			40	23.68	76.8	0.18	5.00	10.30
RAH02			50	22.11	81.2	0.26	4.70	11.50
RAH02			63	19.86	85.0	0.40	4.30	13.00
RAH02			80	16.88	88.3	0.58	3.70	14.80
RAH02			100	13.23	91.1	0.91	3.00	16.80
RAH02			125	8.75	93.3	1.39	1.80	18.80
RAH02			160	2.93	95.0	2.08	0.00	21.10
RAH02			200	-1.06	96.1	3.00	0.00	22.80
RAH03	3 089	3 093						
RAH03			20	29.74	62.0	0.00	5.60	7.60
RAH03			25	28.18	67.2	0.06	5.40	8.30
RAH03			32	26.55	72.0	0.09	5.20	9.20
RAH03			40	25.16	76.8	0.15	5.00	10.30
RAH03			50	23.60	81.2	0.22	4.70	11.50
RAH03			63	21.38	85.0	0.34	4.30	13.00
RAH03			80	18.42	88.3	0.49	3.70	14.80
RAH03			100	14.82	91.1	0.77	3.00	16.80
RAH03			125	10.42	93.3	1.18	1.80	18.80
RAH03			160	4.71	95.0	1.76	0.00	21.10
RAH03			200	0.86	96.1	2.54	0.00	22.80
RAH04	3 569	3 572						
RAH04			20	28.49	62.0	0.00	5.60	7.60
RAH04			25	26.92	67.2	0.07	5.40	8.30
RAH04			32	25.28	72.0	0.11	5.20	9.20
RAH04			40	23.89	76.8	0.18	5.00	10.30
RAH04			50	22.32	81.2	0.25	4.70	11.50
RAH04			63	20.07	85.0	0.39	4.30	13.00
RAH04			80	17.09	88.3	0.57	3.70	14.80
RAH04			100	13.45	91.1	0.89	3.00	16.80
RAH04			125	8.98	93.3	1.36	1.80	18.80
RAH04			160	3.18	95.0	2.04	0.00	21.10
RAH04			200	-0.79	96.1	2.93	0.00	22.80
RAH05	2 775	2 779						
RAH05			20	30.67	62.0	0.00	5.60	7.60
RAH05			25	29.11	67.2	0.06	5.40	8.30
RAH05			32	27.49	72.0	0.08	5.20	9.20
RAH05			40	26.11	76.8	0.14	5.00	10.30
RAH05			50	24.55	81.2	0.19	4.70	11.50
RAH05			63	22.34	85.0	0.31	4.30	13.00
RAH05			80	19.40	88.3	0.44	3.70	14.80
RAH05			100	15.83	91.1	0.69	3.00	16.80
RAH05			125	11.47	93.3	1.06	1.80	18.80
RAH05			160	5.81	95.0	1.58	0.00	21.10
RAH05			200	2.04	96.1	2.28	0.00	22.80
RAH06	2 933	2 937						
RAH06			20	30.19	62.0	0.00	5.60	7.60
RAH06			25	28.63	67.2	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			32	27.00	72.0	0.09	5.20	9.20
RAH06			40	25.62	76.8	0.15	5.00	10.30
RAH06			50	24.06	81.2	0.21	4.70	11.50
RAH06			63	21.84	85.0	0.32	4.30	13.00
RAH06			80	18.90	88.3	0.47	3.70	14.80
RAH06			100	15.31	91.1	0.73	3.00	16.80
RAH06			125	10.93	93.3	1.12	1.80	18.80
RAH06			160	5.24	95.0	1.67	0.00	21.10
RAH06			200	1.43	96.1	2.41	0.00	22.80
RAH07	4 442	4 445						
RAH07			20	26.59	62.0	0.00	5.60	7.60
RAH07			25	25.00	67.2	0.09	5.40	8.30
RAH07			32	23.36	72.0	0.13	5.20	9.20
RAH07			40	21.94	76.8	0.22	5.00	10.30
RAH07			50	20.36	81.2	0.31	4.70	11.50
RAH07			63	18.08	85.0	0.49	4.30	13.00
RAH07			80	15.06	88.3	0.71	3.70	14.80
RAH07			100	11.33	91.1	1.11	3.00	16.80
RAH07			125	6.75	93.3	1.69	1.80	18.80
RAH07			160	0.78	95.0	2.53	0.00	21.10
RAH07			200	-3.40	96.1	3.64	0.00	22.80
RAH08	4 629	4 632						
RAH08			20	26.23	62.0	0.00	5.60	7.60
RAH08			25	24.64	67.2	0.09	5.40	8.30
RAH08			32	22.99	72.0	0.14	5.20	9.20
RAH08			40	21.58	76.8	0.23	5.00	10.30
RAH08			50	19.98	81.2	0.32	4.70	11.50
RAH08			63	17.70	85.0	0.51	4.30	13.00
RAH08			80	14.67	88.3	0.74	3.70	14.80
RAH08			100	10.93	91.1	1.16	3.00	16.80
RAH08			125	6.32	93.3	1.76	1.80	18.80
RAH08			160	0.32	95.0	2.64	0.00	21.10
RAH08			200	-3.91	96.1	3.80	0.00	22.80
RAH09	3 831	3 835						
RAH09			20	27.87	62.0	0.00	5.60	7.60
RAH09			25	26.30	67.2	0.08	5.40	8.30
RAH09			32	24.66	72.0	0.12	5.20	9.20
RAH09			40	23.26	76.8	0.19	5.00	10.30
RAH09			50	21.68	81.2	0.27	4.70	11.50
RAH09			63	19.43	85.0	0.42	4.30	13.00
RAH09			80	16.44	88.3	0.61	3.70	14.80
RAH09			100	12.77	91.1	0.96	3.00	16.80
RAH09			125	8.27	93.3	1.46	1.80	18.80
RAH09			160	2.42	95.0	2.19	0.00	21.10
RAH09			200	-1.62	96.1	3.14	0.00	22.80
RAH10	4 319	4 322						
RAH10			20	26.83	62.0	0.00	5.60	7.60
RAH10			25	25.25	67.2	0.09	5.40	8.30
RAH10			32	23.61	72.0	0.13	5.20	9.20
RAH10			40	22.19	76.8	0.22	5.00	10.30
RAH10			50	20.61	81.2	0.30	4.70	11.50
RAH10			63	18.34	85.0	0.48	4.30	13.00
RAH10			80	15.32	88.3	0.69	3.70	14.80
RAH10			100	11.61	91.1	1.08	3.00	16.80
RAH10			125	7.04	93.3	1.64	1.80	18.80
RAH10			160	1.10	95.0	2.46	0.00	21.10
RAH10			200	-3.06	96.1	3.54	0.00	22.80
RAH11	3 532	3 536						
RAH11			20	28.58	62.0	0.00	5.60	7.60
RAH11			25	27.01	67.2	0.07	5.40	8.30
RAH11			32	25.37	72.0	0.11	5.20	9.20
RAH11			40	23.98	76.8	0.18	5.00	10.30
RAH11			50	22.41	81.2	0.25	4.70	11.50
RAH11			63	20.17	85.0	0.39	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			80	17.19	88.3	0.57	3.70	14.80
RAH11			100	13.55	91.1	0.88	3.00	16.80
RAH11			125	9.09	93.3	1.34	1.80	18.80
RAH11			160	3.29	95.0	2.02	0.00	21.10
RAH11			200	-0.67	96.1	2.90	0.00	22.80
RAH12	4 263	4 265						
RAH12			20	26.95	62.0	0.00	5.60	7.60
RAH12			25	25.36	67.2	0.09	5.40	8.30
RAH12			32	23.72	72.0	0.13	5.20	9.20
RAH12			40	22.31	76.8	0.21	5.00	10.30
RAH12			50	20.73	81.2	0.30	4.70	11.50
RAH12			63	18.46	85.0	0.47	4.30	13.00
RAH12			80	15.44	88.3	0.68	3.70	14.80
RAH12			100	11.73	91.1	1.07	3.00	16.80
RAH12			125	7.18	93.3	1.62	1.80	18.80
RAH12			160	1.25	95.0	2.43	0.00	21.10
RAH12			200	-2.90	96.1	3.50	0.00	22.80
RAH13	4 255	4 257						
RAH13			20	26.97	62.0	0.00	5.60	7.60
RAH13			25	25.38	67.2	0.09	5.40	8.30
RAH13			32	23.74	72.0	0.13	5.20	9.20
RAH13			40	22.33	76.8	0.21	5.00	10.30
RAH13			50	20.74	81.2	0.30	4.70	11.50
RAH13			63	18.47	85.0	0.47	4.30	13.00
RAH13			80	15.46	88.3	0.68	3.70	14.80
RAH13			100	11.75	91.1	1.06	3.00	16.80
RAH13			125	7.20	93.3	1.62	1.80	18.80
RAH13			160	1.27	95.0	2.43	0.00	21.10
RAH13			200	-2.87	96.1	3.49	0.00	22.80
RAH14	3 615	3 619						
RAH14			20	28.38	62.0	0.00	5.60	7.60
RAH14			25	26.80	67.2	0.07	5.40	8.30
RAH14			32	25.17	72.0	0.11	5.20	9.20
RAH14			40	23.77	76.8	0.18	5.00	10.30
RAH14			50	22.20	81.2	0.25	4.70	11.50
RAH14			63	19.95	85.0	0.40	4.30	13.00
RAH14			80	16.97	88.3	0.58	3.70	14.80
RAH14			100	13.32	91.1	0.90	3.00	16.80
RAH14			125	8.85	93.3	1.38	1.80	18.80
RAH14			160	3.04	95.0	2.06	0.00	21.10
RAH14			200	-0.94	96.1	2.97	0.00	22.80
RAH15	4 532	4 535						
RAH15			20	26.42	62.0	0.00	5.60	7.60
RAH15			25	24.83	67.2	0.09	5.40	8.30
RAH15			32	23.18	72.0	0.14	5.20	9.20
RAH15			40	21.77	76.8	0.23	5.00	10.30
RAH15			50	20.18	81.2	0.32	4.70	11.50
RAH15			63	17.89	85.0	0.50	4.30	13.00
RAH15			80	14.87	88.3	0.73	3.70	14.80
RAH15			100	11.14	91.1	1.13	3.00	16.80
RAH15			125	6.55	93.3	1.72	1.80	18.80
RAH15			160	0.56	95.0	2.58	0.00	21.10
RAH15			200	-3.65	96.1	3.72	0.00	22.80
RAH16	5 103	5 105						
RAH16			20	25.39	62.0	0.00	5.60	7.60
RAH16			25	23.79	67.2	0.10	5.40	8.30
RAH16			32	22.14	72.0	0.15	5.20	9.20
RAH16			40	20.71	76.8	0.26	5.00	10.30
RAH16			50	19.11	81.2	0.36	4.70	11.50
RAH16			63	16.80	85.0	0.56	4.30	13.00
RAH16			80	13.75	88.3	0.82	3.70	14.80
RAH16			100	9.96	91.1	1.28	3.00	16.80
RAH16			125	5.30	93.3	1.94	1.80	18.80
RAH16			160	-0.79	95.0	2.91	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			200	-5.15	96.1	4.19	0.00	22.80
RAH17	3 657	3 661						
RAH17			20	28.28	62.0	0.00	5.60	7.60
RAH17			25	26.70	67.2	0.07	5.40	8.30
RAH17			32	25.07	72.0	0.11	5.20	9.20
RAH17			40	23.67	76.8	0.18	5.00	10.30
RAH17			50	22.10	81.2	0.26	4.70	11.50
RAH17			63	19.85	85.0	0.40	4.30	13.00
RAH17			80	16.87	88.3	0.59	3.70	14.80
RAH17			100	13.21	91.1	0.92	3.00	16.80
RAH17			125	8.74	93.3	1.39	1.80	18.80
RAH17			160	2.92	95.0	2.09	0.00	21.10
RAH17			200	-1.07	96.1	3.00	0.00	22.80
RAH18	4 248	4 252						
RAH18			20	26.98	62.0	0.00	5.60	7.60
RAH18			25	25.39	67.2	0.09	5.40	8.30
RAH18			32	23.75	72.0	0.13	5.20	9.20
RAH18			40	22.34	76.8	0.21	5.00	10.30
RAH18			50	20.76	81.2	0.30	4.70	11.50
RAH18			63	18.48	85.0	0.47	4.30	13.00
RAH18			80	15.47	88.3	0.68	3.70	14.80
RAH18			100	11.77	91.1	1.06	3.00	16.80
RAH18			125	7.21	93.3	1.62	1.80	18.80
RAH18			160	1.28	95.0	2.42	0.00	21.10
RAH18			200	-2.86	96.1	3.49	0.00	22.80
RAH19	4 300	4 304						
RAH19			20	26.87	62.0	0.00	5.60	7.60
RAH19			25	25.28	67.2	0.09	5.40	8.30
RAH19			32	23.64	72.0	0.13	5.20	9.20
RAH19			40	22.23	76.8	0.22	5.00	10.30
RAH19			50	20.65	81.2	0.30	4.70	11.50
RAH19			63	18.37	85.0	0.47	4.30	13.00
RAH19			80	15.36	88.3	0.69	3.70	14.80
RAH19			100	11.65	91.1	1.08	3.00	16.80
RAH19			125	7.09	93.3	1.64	1.80	18.80
RAH19			160	1.14	95.0	2.45	0.00	21.10
RAH19			200	-3.01	96.1	3.53	0.00	22.80
SIL01	10 222	10 223						
SIL01			20	20.63	63.3	0.00	5.60	7.60
SIL01			25	18.82	68.4	0.20	5.40	8.30
SIL01			32	12.83	68.9	0.31	5.20	9.20
SIL01			40	9.72	72.1	0.51	5.00	10.30
SIL01			50	8.32	76.8	0.72	4.70	11.50
SIL01			63	4.99	79.8	1.12	4.30	13.00
SIL01			80	1.18	82.6	1.64	3.70	14.80
SIL01			100	-2.42	86.0	2.56	3.00	16.80
SIL01			125	-6.69	89.3	3.88	1.80	18.80
SIL01			160	-16.54	88.2	5.83	0.00	21.10
SIL01			200	-21.49	90.0	8.38	0.00	22.80
SIL02	9 720	9 721						
SIL02			20	21.07	63.3	0.00	5.60	7.60
SIL02			25	19.27	68.4	0.19	5.40	8.30
SIL02			32	13.28	68.9	0.29	5.20	9.20
SIL02			40	10.18	72.1	0.49	5.00	10.30
SIL02			50	8.79	76.8	0.68	4.70	11.50
SIL02			63	5.48	79.8	1.07	4.30	13.00
SIL02			80	1.70	82.6	1.56	3.70	14.80
SIL02			100	-1.86	86.0	2.43	3.00	16.80
SIL02			125	-6.06	89.3	3.69	1.80	18.80
SIL02			160	-15.81	88.2	5.54	0.00	21.10
SIL02			200	-20.64	90.0	7.97	0.00	22.80
SIL03	9 084	9 086						
SIL03			20	21.66	63.3	0.00	5.60	7.60
SIL03			25	19.87	68.4	0.18	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			32	13.89	68.9	0.27	5.20	9.20
SIL03			40	10.80	72.1	0.45	5.00	10.30
SIL03			50	9.42	76.8	0.64	4.70	11.50
SIL03			63	6.14	79.8	1.00	4.30	13.00
SIL03			80	2.39	82.6	1.45	3.70	14.80
SIL03			100	-1.11	86.0	2.27	3.00	16.80
SIL03			125	-5.23	89.3	3.45	1.80	18.80
SIL03			160	-14.86	88.2	5.18	0.00	21.10
SIL03			200	-19.53	90.0	7.45	0.00	22.80
SIL04	9 088	9 090						
SIL04			20	21.65	63.3	0.00	5.60	7.60
SIL04			25	19.86	68.4	0.18	5.40	8.30
SIL04			32	13.89	68.9	0.27	5.20	9.20
SIL04			40	10.80	72.1	0.45	5.00	10.30
SIL04			50	9.42	76.8	0.64	4.70	11.50
SIL04			63	6.13	79.8	1.00	4.30	13.00
SIL04			80	2.39	82.6	1.45	3.70	14.80
SIL04			100	-1.11	86.0	2.27	3.00	16.80
SIL04			125	-5.24	89.3	3.45	1.80	18.80
SIL04			160	-14.87	88.2	5.18	0.00	21.10
SIL04			200	-19.54	90.0	7.45	0.00	22.80
SIL05	9 964	9 966						
SIL05			20	20.85	63.3	0.00	5.60	7.60
SIL05			25	19.05	68.4	0.20	5.40	8.30
SIL05			32	13.06	68.9	0.30	5.20	9.20
SIL05			40	9.95	72.1	0.50	5.00	10.30
SIL05			50	8.56	76.8	0.70	4.70	11.50
SIL05			63	5.24	79.8	1.10	4.30	13.00
SIL05			80	1.45	82.6	1.59	3.70	14.80
SIL05			100	-2.13	86.0	2.49	3.00	16.80
SIL05			125	-6.37	89.3	3.79	1.80	18.80
SIL05			160	-16.17	88.2	5.68	0.00	21.10
SIL05			200	-21.05	90.0	8.17	0.00	22.80
SIL06	9 588	9 590						
SIL06			20	21.19	63.3	0.00	5.60	7.60
SIL06			25	19.39	68.4	0.19	5.40	8.30
SIL06			32	13.41	68.9	0.29	5.20	9.20
SIL06			40	10.31	72.1	0.48	5.00	10.30
SIL06			50	8.92	76.8	0.67	4.70	11.50
SIL06			63	5.62	79.8	1.05	4.30	13.00
SIL06			80	1.84	82.6	1.53	3.70	14.80
SIL06			100	-1.70	86.0	2.40	3.00	16.80
SIL06			125	-5.89	89.3	3.64	1.80	18.80
SIL06			160	-15.62	88.2	5.47	0.00	21.10
SIL06			200	-20.41	90.0	7.86	0.00	22.80
SIL07	9 027	9 029						
SIL07			20	21.71	63.3	0.00	5.60	7.60
SIL07			25	19.92	68.4	0.18	5.40	8.30
SIL07			32	13.95	68.9	0.27	5.20	9.20
SIL07			40	10.86	72.1	0.45	5.00	10.30
SIL07			50	9.48	76.8	0.63	4.70	11.50
SIL07			63	6.20	79.8	0.99	4.30	13.00
SIL07			80	2.45	82.6	1.44	3.70	14.80
SIL07			100	-1.04	86.0	2.26	3.00	16.80
SIL07			125	-5.15	89.3	3.43	1.80	18.80
SIL07			160	-14.78	88.2	5.15	0.00	21.10
SIL07			200	-19.43	90.0	7.40	0.00	22.80
SIL08	9 380	9 381						
SIL08			20	21.38	63.3	0.00	5.60	7.60
SIL08			25	19.58	68.4	0.19	5.40	8.30
SIL08			32	13.60	68.9	0.28	5.20	9.20
SIL08			40	10.51	72.1	0.47	5.00	10.30
SIL08			50	9.12	76.8	0.66	4.70	11.50
SIL08			63	5.83	79.8	1.03	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			80	2.07	82.6	1.50	3.70	14.80
SIL08			100	-1.46	86.0	2.35	3.00	16.80
SIL08			125	-5.62	89.3	3.56	1.80	18.80
SIL08			160	-15.31	88.2	5.35	0.00	21.10
SIL08			200	-20.05	90.0	7.69	0.00	22.80
Sum								
Sum			20	46.71				
Sum			25	44.24				
Sum			32	43.01				
Sum			40	40.81				
Sum			50	39.71				
Sum			63	35.92				
Sum			80	32.67				
Sum			100	30.16				
Sum			125	23.75				
Sum			160	17.80				
Sum			200	13.97				

Noise sensitive area: AB Noise sensitive point: Finnish normal frequency - User defined (29)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 070	4 075						
KAR01			20	29.20	63.9	0.00	5.60	7.60
KAR01			25	26.32	67.8	0.08	5.40	8.30
KAR01			32	25.38	73.3	0.12	5.20	9.20
KAR01			40	22.79	76.9	0.20	5.00	10.30
KAR01			50	21.91	82.0	0.29	4.70	11.50
KAR01			63	17.15	83.3	0.45	4.30	13.00
KAR01			80	13.65	86.1	0.65	3.70	14.80
KAR01			100	11.88	90.8	1.02	3.00	16.80
KAR01			125	3.65	89.3	1.55	1.80	18.80
KAR01			160	-2.63	90.6	2.32	0.00	21.10
KAR01			200	-6.54	91.9	3.34	0.00	22.80
KAR02	3 710	3 715						
KAR02			20	30.00	63.9	0.00	5.60	7.60
KAR02			25	27.13	67.8	0.07	5.40	8.30
KAR02			32	26.19	73.3	0.11	5.20	9.20
KAR02			40	23.61	76.9	0.19	5.00	10.30
KAR02			50	22.74	82.0	0.26	4.70	11.50
KAR02			63	17.99	83.3	0.41	4.30	13.00
KAR02			80	14.51	86.1	0.59	3.70	14.80
KAR02			100	12.77	90.8	0.93	3.00	16.80
KAR02			125	4.59	89.3	1.41	1.80	18.80
KAR02			160	-1.62	90.6	2.12	0.00	21.10
KAR02			200	-5.45	91.9	3.05	0.00	22.80
KAR03	4 180	4 184						
KAR03			20	28.97	63.9	0.00	5.60	7.60
KAR03			25	26.08	67.8	0.08	5.40	8.30
KAR03			32	25.14	73.3	0.13	5.20	9.20
KAR03			40	22.56	76.9	0.21	5.00	10.30
KAR03			50	21.67	82.0	0.29	4.70	11.50
KAR03			63	16.91	83.3	0.46	4.30	13.00
KAR03			80	13.40	86.1	0.67	3.70	14.80
KAR03			100	11.62	90.8	1.05	3.00	16.80
KAR03			125	3.38	89.3	1.59	1.80	18.80
KAR03			160	-2.92	90.6	2.39	0.00	21.10
KAR03			200	-6.86	91.9	3.43	0.00	22.80
KAR04	4 813	4 817						
KAR04			20	27.75	63.9	0.00	5.60	7.60
KAR04			25	24.85	67.8	0.10	5.40	8.30
KAR04			32	23.90	73.3	0.14	5.20	9.20
KAR04			40	21.30	76.9	0.24	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			50	20.41	82.0	0.34	4.70	11.50
KAR04			63	15.62	83.3	0.53	4.30	13.00
KAR04			80	12.07	86.1	0.77	3.70	14.80
KAR04			100	10.24	90.8	1.20	3.00	16.80
KAR04			125	1.91	89.3	1.83	1.80	18.80
KAR04			160	-4.50	90.6	2.75	0.00	21.10
KAR04			200	-8.60	91.9	3.95	0.00	22.80
KAR05	5 435	5 439						
KAR05			20	26.69	63.9	0.00	5.60	7.60
KAR05			25	23.78	67.8	0.11	5.40	8.30
KAR05			32	22.83	73.3	0.16	5.20	9.20
KAR05			40	20.22	76.9	0.27	5.00	10.30
KAR05			50	19.31	82.0	0.38	4.70	11.50
KAR05			63	14.49	83.3	0.60	4.30	13.00
KAR05			80	10.92	86.1	0.87	3.70	14.80
KAR05			100	9.03	90.8	1.36	3.00	16.80
KAR05			125	0.62	89.3	2.07	1.80	18.80
KAR05			160	-5.91	90.6	3.10	0.00	21.10
KAR05			200	-10.17	91.9	4.46	0.00	22.80
KAR06	4 635	4 639						
KAR06			20	28.07	63.9	0.00	5.60	7.60
KAR06			25	25.18	67.8	0.09	5.40	8.30
KAR06			32	24.23	73.3	0.14	5.20	9.20
KAR06			40	21.64	76.9	0.23	5.00	10.30
KAR06			50	20.75	82.0	0.32	4.70	11.50
KAR06			63	15.96	83.3	0.51	4.30	13.00
KAR06			80	12.43	86.1	0.74	3.70	14.80
KAR06			100	10.61	90.8	1.16	3.00	16.80
KAR06			125	2.31	89.3	1.76	1.80	18.80
KAR06			160	-4.07	90.6	2.64	0.00	21.10
KAR06			200	-8.13	91.9	3.80	0.00	22.80
KAR07	4 364	4 367						
KAR07			20	28.60	63.9	0.00	5.60	7.60
KAR07			25	25.71	67.8	0.09	5.40	8.30
KAR07			32	24.76	73.3	0.13	5.20	9.20
KAR07			40	22.18	76.9	0.22	5.00	10.30
KAR07			50	21.29	82.0	0.31	4.70	11.50
KAR07			63	16.52	83.3	0.48	4.30	13.00
KAR07			80	13.00	86.1	0.70	3.70	14.80
KAR07			100	11.20	90.8	1.09	3.00	16.80
KAR07			125	2.94	89.3	1.66	1.80	18.80
KAR07			160	-3.39	90.6	2.49	0.00	21.10
KAR07			200	-7.39	91.9	3.58	0.00	22.80
KAR08	4 289	4 293						
KAR08			20	28.74	63.9	0.00	5.60	7.60
KAR08			25	25.86	67.8	0.09	5.40	8.30
KAR08			32	24.92	73.3	0.13	5.20	9.20
KAR08			40	22.33	76.9	0.21	5.00	10.30
KAR08			50	21.44	82.0	0.30	4.70	11.50
KAR08			63	16.67	83.3	0.47	4.30	13.00
KAR08			80	13.16	86.1	0.69	3.70	14.80
KAR08			100	11.37	90.8	1.07	3.00	16.80
KAR08			125	3.11	89.3	1.63	1.80	18.80
KAR08			160	-3.20	90.6	2.45	0.00	21.10
KAR08			200	-7.18	91.9	3.52	0.00	22.80
KAR09	5 836	5 839						
KAR09			20	26.07	63.9	0.00	5.60	7.60
KAR09			25	23.16	67.8	0.12	5.40	8.30
KAR09			32	22.20	73.3	0.18	5.20	9.20
KAR09			40	19.58	76.9	0.29	5.00	10.30
KAR09			50	18.66	82.0	0.41	4.70	11.50
KAR09			63	13.83	83.3	0.64	4.30	13.00
KAR09			80	10.24	86.1	0.93	3.70	14.80
KAR09			100	8.31	90.8	1.46	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			125	-0.15	89.3	2.22	1.80	18.80
KAR09			160	-6.76	90.6	3.33	0.00	21.10
KAR09			200	-11.12	91.9	4.79	0.00	22.80
KAR10	5 430	5 434						
KAR10			20	26.70	63.9	0.00	5.60	7.60
KAR10			25	23.79	67.8	0.11	5.40	8.30
KAR10			32	22.83	73.3	0.16	5.20	9.20
KAR10			40	20.23	76.9	0.27	5.00	10.30
KAR10			50	19.32	82.0	0.38	4.70	11.50
KAR10			63	14.50	83.3	0.60	4.30	13.00
KAR10			80	10.93	86.1	0.87	3.70	14.80
KAR10			100	9.04	90.8	1.36	3.00	16.80
KAR10			125	0.63	89.3	2.06	1.80	18.80
KAR10			160	-5.90	90.6	3.10	0.00	21.10
KAR10			200	-10.16	91.9	4.46	0.00	22.80
KAR11	5 060	5 063						
KAR11			20	27.31	63.9	0.00	5.60	7.60
KAR11			25	24.41	67.8	0.10	5.40	8.30
KAR11			32	23.46	73.3	0.15	5.20	9.20
KAR11			40	20.86	76.9	0.25	5.00	10.30
KAR11			50	19.96	82.0	0.35	4.70	11.50
KAR11			63	15.15	83.3	0.56	4.30	13.00
KAR11			80	11.60	86.1	0.81	3.70	14.80
KAR11			100	9.75	90.8	1.27	3.00	16.80
KAR11			125	1.39	89.3	1.92	1.80	18.80
KAR11			160	-5.08	90.6	2.89	0.00	21.10
KAR11			200	-9.24	91.9	4.15	0.00	22.80
KAR12	5 863	5 866						
KAR12			20	26.03	63.9	0.00	5.60	7.60
KAR12			25	23.12	67.8	0.12	5.40	8.30
KAR12			32	22.16	73.3	0.18	5.20	9.20
KAR12			40	19.54	76.9	0.29	5.00	10.30
KAR12			50	18.62	82.0	0.41	4.70	11.50
KAR12			63	13.79	83.3	0.65	4.30	13.00
KAR12			80	10.19	86.1	0.94	3.70	14.80
KAR12			100	8.27	90.8	1.47	3.00	16.80
KAR12			125	-0.20	89.3	2.23	1.80	18.80
KAR12			160	-6.81	90.6	3.34	0.00	21.10
KAR12			200	-11.18	91.9	4.81	0.00	22.80
KAR13	5 377	5 380						
KAR13			20	26.78	63.9	0.00	5.60	7.60
KAR13			25	23.88	67.8	0.11	5.40	8.30
KAR13			32	22.92	73.3	0.16	5.20	9.20
KAR13			40	20.32	76.9	0.27	5.00	10.30
KAR13			50	19.41	82.0	0.38	4.70	11.50
KAR13			63	14.59	83.3	0.59	4.30	13.00
KAR13			80	11.02	86.1	0.86	3.70	14.80
KAR13			100	9.14	90.8	1.35	3.00	16.80
KAR13			125	0.74	89.3	2.04	1.80	18.80
KAR13			160	-5.78	90.6	3.07	0.00	21.10
KAR13			200	-10.03	91.9	4.41	0.00	22.80
KAR14	6 324	6 328						
KAR14			20	25.38	63.9	0.00	5.60	7.60
KAR14			25	22.45	67.8	0.13	5.40	8.30
KAR14			32	21.49	73.3	0.19	5.20	9.20
KAR14			40	18.86	76.9	0.32	5.00	10.30
KAR14			50	17.93	82.0	0.44	4.70	11.50
KAR14			63	13.08	83.3	0.70	4.30	13.00
KAR14			80	9.46	86.1	1.01	3.70	14.80
KAR14			100	7.49	90.8	1.58	3.00	16.80
KAR14			125	-1.03	89.3	2.40	1.80	18.80
KAR14			160	-7.73	90.6	3.61	0.00	21.10
KAR14			200	-12.21	91.9	5.19	0.00	22.80
KAR15	5 281	5 285						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			20	26.94	63.9	0.00	5.60	7.60
KAR15			25	24.03	67.8	0.11	5.40	8.30
KAR15			32	23.08	73.3	0.16	5.20	9.20
KAR15			40	20.48	76.9	0.26	5.00	10.30
KAR15			50	19.57	82.0	0.37	4.70	11.50
KAR15			63	14.76	83.3	0.58	4.30	13.00
KAR15			80	11.19	86.1	0.85	3.70	14.80
KAR15			100	9.32	90.8	1.32	3.00	16.80
KAR15			125	0.93	89.3	2.01	1.80	18.80
KAR15			160	-5.57	90.6	3.01	0.00	21.10
KAR15			200	-9.79	91.9	4.33	0.00	22.80
KAR16	6 524	6 527						
KAR16			20	25.11	63.9	0.00	5.60	7.60
KAR16			25	22.18	67.8	0.13	5.40	8.30
KAR16			32	21.21	73.3	0.20	5.20	9.20
KAR16			40	18.58	76.9	0.33	5.00	10.30
KAR16			50	17.65	82.0	0.46	4.70	11.50
KAR16			63	12.79	83.3	0.72	4.30	13.00
KAR16			80	9.16	86.1	1.04	3.70	14.80
KAR16			100	7.17	90.8	1.63	3.00	16.80
KAR16			125	-1.37	89.3	2.48	1.80	18.80
KAR16			160	-8.11	90.6	3.72	0.00	21.10
KAR16			200	-12.65	91.9	5.35	0.00	22.80
KAR17	6 336	6 339						
KAR17			20	25.36	63.9	0.00	5.60	7.60
KAR17			25	22.43	67.8	0.13	5.40	8.30
KAR17			32	21.47	73.3	0.19	5.20	9.20
KAR17			40	18.84	76.9	0.32	5.00	10.30
KAR17			50	17.92	82.0	0.44	4.70	11.50
KAR17			63	13.06	83.3	0.70	4.30	13.00
KAR17			80	9.44	86.1	1.01	3.70	14.80
KAR17			100	7.47	90.8	1.58	3.00	16.80
KAR17			125	-1.05	89.3	2.41	1.80	18.80
KAR17			160	-7.75	90.6	3.61	0.00	21.10
KAR17			200	-12.24	91.9	5.20	0.00	22.80
KAR18	7 038	7 041						
KAR18			20	24.45	63.9	0.00	5.60	7.60
KAR18			25	21.51	67.8	0.14	5.40	8.30
KAR18			32	20.54	73.3	0.21	5.20	9.20
KAR18			40	17.89	76.9	0.35	5.00	10.30
KAR18			50	16.95	82.0	0.49	4.70	11.50
KAR18			63	12.07	83.3	0.77	4.30	13.00
KAR18			80	8.42	86.1	1.13	3.70	14.80
KAR18			100	6.39	90.8	1.76	3.00	16.80
KAR18			125	-2.23	89.3	2.68	1.80	18.80
KAR18			160	-9.07	90.6	4.01	0.00	21.10
KAR18			200	-13.73	91.9	5.77	0.00	22.80
KAR19	5 991	5 994						
KAR19			20	25.85	63.9	0.00	5.60	7.60
KAR19			25	22.93	67.8	0.12	5.40	8.30
KAR19			32	21.97	73.3	0.18	5.20	9.20
KAR19			40	19.35	76.9	0.30	5.00	10.30
KAR19			50	18.43	82.0	0.42	4.70	11.50
KAR19			63	13.59	83.3	0.66	4.30	13.00
KAR19			80	9.99	86.1	0.96	3.70	14.80
KAR19			100	8.05	90.8	1.50	3.00	16.80
KAR19			125	-0.43	89.3	2.28	1.80	18.80
KAR19			160	-7.07	90.6	3.42	0.00	21.10
KAR19			200	-11.47	91.9	4.92	0.00	22.80
KAR20	6 993	6 996						
KAR20			20	24.50	63.9	0.00	5.60	7.60
KAR20			25	21.56	67.8	0.14	5.40	8.30
KAR20			32	20.59	73.3	0.21	5.20	9.20
KAR20			40	17.95	76.9	0.35	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			50	17.01	82.0	0.49	4.70	11.50
KAR20			63	12.13	83.3	0.77	4.30	13.00
KAR20			80	8.48	86.1	1.12	3.70	14.80
KAR20			100	6.45	90.8	1.75	3.00	16.80
KAR20			125	-2.16	89.3	2.66	1.80	18.80
KAR20			160	-8.99	90.6	3.99	0.00	21.10
KAR20			200	-13.63	91.9	5.74	0.00	22.80
KAR21	6 703	6 706						
KAR21			20	24.87	63.9	0.00	5.60	7.60
KAR21			25	21.94	67.8	0.13	5.40	8.30
KAR21			32	20.97	73.3	0.20	5.20	9.20
KAR21			40	18.34	76.9	0.34	5.00	10.30
KAR21			50	17.40	82.0	0.47	4.70	11.50
KAR21			63	12.53	83.3	0.74	4.30	13.00
KAR21			80	8.90	86.1	1.07	3.70	14.80
KAR21			100	6.89	90.8	1.68	3.00	16.80
KAR21			125	-1.68	89.3	2.55	1.80	18.80
KAR21			160	-8.45	90.6	3.82	0.00	21.10
KAR21			200	-13.03	91.9	5.50	0.00	22.80
KAR22	6 701	6 704						
KAR22			20	24.87	63.9	0.00	5.60	7.60
KAR22			25	21.94	67.8	0.13	5.40	8.30
KAR22			32	20.97	73.3	0.20	5.20	9.20
KAR22			40	18.34	76.9	0.34	5.00	10.30
KAR22			50	17.40	82.0	0.47	4.70	11.50
KAR22			63	12.54	83.3	0.74	4.30	13.00
KAR22			80	8.90	86.1	1.07	3.70	14.80
KAR22			100	6.90	90.8	1.68	3.00	16.80
KAR22			125	-1.67	89.3	2.55	1.80	18.80
KAR22			160	-8.45	90.6	3.82	0.00	21.10
KAR22			200	-13.02	91.9	5.50	0.00	22.80
KAR23	7 281	7 283						
KAR23			20	24.15	63.9	0.00	5.60	7.60
KAR23			25	21.21	67.8	0.15	5.40	8.30
KAR23			32	20.23	73.3	0.22	5.20	9.20
KAR23			40	17.59	76.9	0.36	5.00	10.30
KAR23			50	16.64	82.0	0.51	4.70	11.50
KAR23			63	11.75	83.3	0.80	4.30	13.00
KAR23			80	8.09	86.1	1.17	3.70	14.80
KAR23			100	6.03	90.8	1.82	3.00	16.80
KAR23			125	-2.61	89.3	2.77	1.80	18.80
KAR23			160	-9.50	90.6	4.15	0.00	21.10
KAR23			200	-14.22	91.9	5.97	0.00	22.80
KAR24	4 495	4 499						
KAR24			20	28.34	63.9	0.00	5.60	7.60
KAR24			25	25.45	67.8	0.09	5.40	8.30
KAR24			32	24.50	73.3	0.13	5.20	9.20
KAR24			40	21.91	76.9	0.22	5.00	10.30
KAR24			50	21.02	82.0	0.31	4.70	11.50
KAR24			63	16.24	83.3	0.49	4.30	13.00
KAR24			80	12.72	86.1	0.72	3.70	14.80
KAR24			100	10.91	90.8	1.12	3.00	16.80
KAR24			125	2.63	89.3	1.71	1.80	18.80
KAR24			160	-3.73	90.6	2.56	0.00	21.10
KAR24			200	-7.75	91.9	3.69	0.00	22.80
KAR25	3 401	3 406						
KAR25			20	30.75	63.9	0.00	5.60	7.60
KAR25			25	27.89	67.8	0.07	5.40	8.30
KAR25			32	26.95	73.3	0.10	5.20	9.20
KAR25			40	24.38	76.9	0.17	5.00	10.30
KAR25			50	23.52	82.0	0.24	4.70	11.50
KAR25			63	18.78	83.3	0.37	4.30	13.00
KAR25			80	15.31	86.1	0.54	3.70	14.80
KAR25			100	13.60	90.8	0.85	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			125	5.46	89.3	1.29	1.80	18.80
KAR25			160	-0.69	90.6	1.94	0.00	21.10
KAR25			200	-4.44	91.9	2.79	0.00	22.80
MAA01	2 033	2 038						
MAA01			20	35.21	63.9	0.00	5.60	7.60
MAA01			25	32.37	67.8	0.04	5.40	8.30
MAA01			32	31.45	73.3	0.06	5.20	9.20
MAA01			40	28.91	76.9	0.10	5.00	10.30
MAA01			50	28.07	82.0	0.14	4.70	11.50
MAA01			63	23.39	83.3	0.22	4.30	13.00
MAA01			80	19.99	86.1	0.33	3.70	14.80
MAA01			100	18.40	90.8	0.51	3.00	16.80
MAA01			125	10.44	89.3	0.77	1.80	18.80
MAA01			160	4.55	90.6	1.16	0.00	21.10
MAA01			200	1.14	91.9	1.67	0.00	22.80
MAA03	2 111	2 116						
MAA03			20	34.89	63.9	0.00	5.60	7.60
MAA03			25	32.05	67.8	0.04	5.40	8.30
MAA03			32	31.13	73.3	0.06	5.20	9.20
MAA03			40	28.59	76.9	0.11	5.00	10.30
MAA03			50	27.74	82.0	0.15	4.70	11.50
MAA03			63	23.06	83.3	0.23	4.30	13.00
MAA03			80	19.65	86.1	0.34	3.70	14.80
MAA03			100	18.06	90.8	0.53	3.00	16.80
MAA03			125	10.09	89.3	0.80	1.80	18.80
MAA03			160	4.18	90.6	1.21	0.00	21.10
MAA03			200	0.76	91.9	1.73	0.00	22.80
MAA04	1 412	1 420						
MAA04			20	38.36	63.9	0.00	5.60	7.60
MAA04			25	35.53	67.8	0.03	5.40	8.30
MAA04			32	34.61	73.3	0.04	5.20	9.20
MAA04			40	32.09	76.9	0.07	5.00	10.30
MAA04			50	31.26	82.0	0.10	4.70	11.50
MAA04			63	26.60	83.3	0.16	4.30	13.00
MAA04			80	23.23	86.1	0.23	3.70	14.80
MAA04			100	21.70	90.8	0.35	3.00	16.80
MAA04			125	13.82	89.3	0.54	1.80	18.80
MAA04			160	8.05	90.6	0.81	0.00	21.10
MAA04			200	4.79	91.9	1.16	0.00	22.80
MAA05	2 318	2 322						
MAA05			20	34.08	63.9	0.00	5.60	7.60
MAA05			25	31.24	67.8	0.05	5.40	8.30
MAA05			32	30.31	73.3	0.07	5.20	9.20
MAA05			40	27.77	76.9	0.12	5.00	10.30
MAA05			50	26.92	82.0	0.16	4.70	11.50
MAA05			63	22.23	83.3	0.26	4.30	13.00
MAA05			80	18.81	86.1	0.37	3.70	14.80
MAA05			100	17.20	90.8	0.58	3.00	16.80
MAA05			125	9.20	89.3	0.88	1.80	18.80
MAA05			160	3.26	90.6	1.32	0.00	21.10
MAA05			200	-0.22	91.9	1.90	0.00	22.80
MAA06	2 809	2 813						
MAA06			20	32.42	63.9	0.00	5.60	7.60
MAA06			25	29.56	67.8	0.06	5.40	8.30
MAA06			32	28.63	73.3	0.08	5.20	9.20
MAA06			40	26.08	76.9	0.14	5.00	10.30
MAA06			50	25.22	82.0	0.20	4.70	11.50
MAA06			63	20.51	83.3	0.31	4.30	13.00
MAA06			80	17.07	86.1	0.45	3.70	14.80
MAA06			100	15.41	90.8	0.70	3.00	16.80
MAA06			125	7.35	89.3	1.07	1.80	18.80
MAA06			160	1.31	90.6	1.60	0.00	21.10
MAA06			200	-2.29	91.9	2.31	0.00	22.80
MAA07	2 980	2 983						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			20	31.91	63.9	0.00	5.60	7.60
MAA07			25	29.05	67.8	0.06	5.40	8.30
MAA07			32	28.12	73.3	0.09	5.20	9.20
MAA07			40	25.56	76.9	0.15	5.00	10.30
MAA07			50	24.70	82.0	0.21	4.70	11.50
MAA07			63	19.98	83.3	0.33	4.30	13.00
MAA07			80	16.53	86.1	0.48	3.70	14.80
MAA07			100	14.86	90.8	0.75	3.00	16.80
MAA07			125	6.77	89.3	1.13	1.80	18.80
MAA07			160	0.71	90.6	1.70	0.00	21.10
MAA07			200	-2.94	91.9	2.45	0.00	22.80
MAA08	3 140	3 144						
MAA08			20	31.45	63.9	0.00	5.60	7.60
MAA08			25	28.59	67.8	0.06	5.40	8.30
MAA08			32	27.66	73.3	0.09	5.20	9.20
MAA08			40	25.09	76.9	0.16	5.00	10.30
MAA08			50	24.23	82.0	0.22	4.70	11.50
MAA08			63	19.51	83.3	0.35	4.30	13.00
MAA08			80	16.05	86.1	0.50	3.70	14.80
MAA08			100	14.37	90.8	0.79	3.00	16.80
MAA08			125	6.26	89.3	1.19	1.80	18.80
MAA08			160	0.16	90.6	1.79	0.00	21.10
MAA08			200	-3.53	91.9	2.58	0.00	22.80
RAH01	3 757	3 760						
RAH01			20	28.05	62.0	0.00	5.60	7.60
RAH01			25	26.47	67.2	0.08	5.40	8.30
RAH01			32	24.83	72.0	0.11	5.20	9.20
RAH01			40	23.43	76.8	0.19	5.00	10.30
RAH01			50	21.86	81.2	0.26	4.70	11.50
RAH01			63	19.61	85.0	0.41	4.30	13.00
RAH01			80	16.62	88.3	0.60	3.70	14.80
RAH01			100	12.96	91.1	0.94	3.00	16.80
RAH01			125	8.47	93.3	1.43	1.80	18.80
RAH01			160	2.63	95.0	2.14	0.00	21.10
RAH01			200	-1.39	96.1	3.08	0.00	22.80
RAH02	3 652	3 655						
RAH02			20	28.29	62.0	0.00	5.60	7.60
RAH02			25	26.72	67.2	0.07	5.40	8.30
RAH02			32	25.08	72.0	0.11	5.20	9.20
RAH02			40	23.68	76.8	0.18	5.00	10.30
RAH02			50	22.11	81.2	0.26	4.70	11.50
RAH02			63	19.86	85.0	0.40	4.30	13.00
RAH02			80	16.88	88.3	0.58	3.70	14.80
RAH02			100	13.23	91.1	0.91	3.00	16.80
RAH02			125	8.75	93.3	1.39	1.80	18.80
RAH02			160	2.93	95.0	2.08	0.00	21.10
RAH02			200	-1.06	96.1	3.00	0.00	22.80
RAH03	3 089	3 093						
RAH03			20	29.74	62.0	0.00	5.60	7.60
RAH03			25	28.18	67.2	0.06	5.40	8.30
RAH03			32	26.55	72.0	0.09	5.20	9.20
RAH03			40	25.16	76.8	0.15	5.00	10.30
RAH03			50	23.60	81.2	0.22	4.70	11.50
RAH03			63	21.38	85.0	0.34	4.30	13.00
RAH03			80	18.42	88.3	0.49	3.70	14.80
RAH03			100	14.82	91.1	0.77	3.00	16.80
RAH03			125	10.42	93.3	1.18	1.80	18.80
RAH03			160	4.71	95.0	1.76	0.00	21.10
RAH03			200	0.86	96.1	2.54	0.00	22.80
RAH04	3 569	3 572						
RAH04			20	28.49	62.0	0.00	5.60	7.60
RAH04			25	26.92	67.2	0.07	5.40	8.30
RAH04			32	25.28	72.0	0.11	5.20	9.20
RAH04			40	23.89	76.8	0.18	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			50	22.32	81.2	0.25	4.70	11.50
RAH04			63	20.07	85.0	0.39	4.30	13.00
RAH04			80	17.09	88.3	0.57	3.70	14.80
RAH04			100	13.45	91.1	0.89	3.00	16.80
RAH04			125	8.98	93.3	1.36	1.80	18.80
RAH04			160	3.18	95.0	2.04	0.00	21.10
RAH04			200	-0.79	96.1	2.93	0.00	22.80
RAH05	2 775	2 779						
RAH05			20	30.67	62.0	0.00	5.60	7.60
RAH05			25	29.11	67.2	0.06	5.40	8.30
RAH05			32	27.49	72.0	0.08	5.20	9.20
RAH05			40	26.11	76.8	0.14	5.00	10.30
RAH05			50	24.55	81.2	0.19	4.70	11.50
RAH05			63	22.34	85.0	0.31	4.30	13.00
RAH05			80	19.40	88.3	0.44	3.70	14.80
RAH05			100	15.83	91.1	0.69	3.00	16.80
RAH05			125	11.47	93.3	1.06	1.80	18.80
RAH05			160	5.81	95.0	1.58	0.00	21.10
RAH05			200	2.04	96.1	2.28	0.00	22.80
RAH06	2 933	2 937						
RAH06			20	30.19	62.0	0.00	5.60	7.60
RAH06			25	28.63	67.2	0.06	5.40	8.30
RAH06			32	27.00	72.0	0.09	5.20	9.20
RAH06			40	25.62	76.8	0.15	5.00	10.30
RAH06			50	24.06	81.2	0.21	4.70	11.50
RAH06			63	21.84	85.0	0.32	4.30	13.00
RAH06			80	18.90	88.3	0.47	3.70	14.80
RAH06			100	15.31	91.1	0.73	3.00	16.80
RAH06			125	10.93	93.3	1.12	1.80	18.80
RAH06			160	5.24	95.0	1.67	0.00	21.10
RAH06			200	1.43	96.1	2.41	0.00	22.80
RAH07	4 442	4 445						
RAH07			20	26.59	62.0	0.00	5.60	7.60
RAH07			25	25.00	67.2	0.09	5.40	8.30
RAH07			32	23.36	72.0	0.13	5.20	9.20
RAH07			40	21.94	76.8	0.22	5.00	10.30
RAH07			50	20.36	81.2	0.31	4.70	11.50
RAH07			63	18.08	85.0	0.49	4.30	13.00
RAH07			80	15.06	88.3	0.71	3.70	14.80
RAH07			100	11.33	91.1	1.11	3.00	16.80
RAH07			125	6.75	93.3	1.69	1.80	18.80
RAH07			160	0.78	95.0	2.53	0.00	21.10
RAH07			200	-3.40	96.1	3.64	0.00	22.80
RAH08	4 629	4 632						
RAH08			20	26.23	62.0	0.00	5.60	7.60
RAH08			25	24.64	67.2	0.09	5.40	8.30
RAH08			32	22.99	72.0	0.14	5.20	9.20
RAH08			40	21.58	76.8	0.23	5.00	10.30
RAH08			50	19.98	81.2	0.32	4.70	11.50
RAH08			63	17.70	85.0	0.51	4.30	13.00
RAH08			80	14.67	88.3	0.74	3.70	14.80
RAH08			100	10.93	91.1	1.16	3.00	16.80
RAH08			125	6.32	93.3	1.76	1.80	18.80
RAH08			160	0.32	95.0	2.64	0.00	21.10
RAH08			200	-3.91	96.1	3.80	0.00	22.80
RAH09	3 831	3 835						
RAH09			20	27.87	62.0	0.00	5.60	7.60
RAH09			25	26.30	67.2	0.08	5.40	8.30
RAH09			32	24.66	72.0	0.12	5.20	9.20
RAH09			40	23.26	76.8	0.19	5.00	10.30
RAH09			50	21.68	81.2	0.27	4.70	11.50
RAH09			63	19.43	85.0	0.42	4.30	13.00
RAH09			80	16.44	88.3	0.61	3.70	14.80
RAH09			100	12.77	91.1	0.96	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			125	8.27	93.3	1.46	1.80	18.80
RAH09			160	2.42	95.0	2.19	0.00	21.10
RAH09			200	-1.62	96.1	3.14	0.00	22.80
RAH10	4 319	4 322						
RAH10			20	26.83	62.0	0.00	5.60	7.60
RAH10			25	25.25	67.2	0.09	5.40	8.30
RAH10			32	23.61	72.0	0.13	5.20	9.20
RAH10			40	22.19	76.8	0.22	5.00	10.30
RAH10			50	20.61	81.2	0.30	4.70	11.50
RAH10			63	18.34	85.0	0.48	4.30	13.00
RAH10			80	15.32	88.3	0.69	3.70	14.80
RAH10			100	11.61	91.1	1.08	3.00	16.80
RAH10			125	7.04	93.3	1.64	1.80	18.80
RAH10			160	1.10	95.0	2.46	0.00	21.10
RAH10			200	-3.06	96.1	3.54	0.00	22.80
RAH11	3 532	3 536						
RAH11			20	28.58	62.0	0.00	5.60	7.60
RAH11			25	27.01	67.2	0.07	5.40	8.30
RAH11			32	25.37	72.0	0.11	5.20	9.20
RAH11			40	23.98	76.8	0.18	5.00	10.30
RAH11			50	22.41	81.2	0.25	4.70	11.50
RAH11			63	20.17	85.0	0.39	4.30	13.00
RAH11			80	17.19	88.3	0.57	3.70	14.80
RAH11			100	13.55	91.1	0.88	3.00	16.80
RAH11			125	9.09	93.3	1.34	1.80	18.80
RAH11			160	3.29	95.0	2.02	0.00	21.10
RAH11			200	-0.67	96.1	2.90	0.00	22.80
RAH12	4 263	4 265						
RAH12			20	26.95	62.0	0.00	5.60	7.60
RAH12			25	25.36	67.2	0.09	5.40	8.30
RAH12			32	23.72	72.0	0.13	5.20	9.20
RAH12			40	22.31	76.8	0.21	5.00	10.30
RAH12			50	20.73	81.2	0.30	4.70	11.50
RAH12			63	18.46	85.0	0.47	4.30	13.00
RAH12			80	15.44	88.3	0.68	3.70	14.80
RAH12			100	11.73	91.1	1.07	3.00	16.80
RAH12			125	7.18	93.3	1.62	1.80	18.80
RAH12			160	1.25	95.0	2.43	0.00	21.10
RAH12			200	-2.90	96.1	3.50	0.00	22.80
RAH13	4 255	4 257						
RAH13			20	26.97	62.0	0.00	5.60	7.60
RAH13			25	25.38	67.2	0.09	5.40	8.30
RAH13			32	23.74	72.0	0.13	5.20	9.20
RAH13			40	22.33	76.8	0.21	5.00	10.30
RAH13			50	20.74	81.2	0.30	4.70	11.50
RAH13			63	18.47	85.0	0.47	4.30	13.00
RAH13			80	15.46	88.3	0.68	3.70	14.80
RAH13			100	11.75	91.1	1.06	3.00	16.80
RAH13			125	7.20	93.3	1.62	1.80	18.80
RAH13			160	1.27	95.0	2.43	0.00	21.10
RAH13			200	-2.87	96.1	3.49	0.00	22.80
RAH14	3 615	3 619						
RAH14			20	28.38	62.0	0.00	5.60	7.60
RAH14			25	26.80	67.2	0.07	5.40	8.30
RAH14			32	25.17	72.0	0.11	5.20	9.20
RAH14			40	23.77	76.8	0.18	5.00	10.30
RAH14			50	22.20	81.2	0.25	4.70	11.50
RAH14			63	19.95	85.0	0.40	4.30	13.00
RAH14			80	16.97	88.3	0.58	3.70	14.80
RAH14			100	13.32	91.1	0.90	3.00	16.80
RAH14			125	8.85	93.3	1.38	1.80	18.80
RAH14			160	3.04	95.0	2.06	0.00	21.10
RAH14			200	-0.94	96.1	2.97	0.00	22.80
RAH15	4 532	4 535						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			20	26.42	62.0	0.00	5.60	7.60
RAH15			25	24.83	67.2	0.09	5.40	8.30
RAH15			32	23.18	72.0	0.14	5.20	9.20
RAH15			40	21.77	76.8	0.23	5.00	10.30
RAH15			50	20.18	81.2	0.32	4.70	11.50
RAH15			63	17.89	85.0	0.50	4.30	13.00
RAH15			80	14.87	88.3	0.73	3.70	14.80
RAH15			100	11.14	91.1	1.13	3.00	16.80
RAH15			125	6.55	93.3	1.72	1.80	18.80
RAH15			160	0.56	95.0	2.58	0.00	21.10
RAH15			200	-3.65	96.1	3.72	0.00	22.80
RAH16	5 103	5 105						
RAH16			20	25.39	62.0	0.00	5.60	7.60
RAH16			25	23.79	67.2	0.10	5.40	8.30
RAH16			32	22.14	72.0	0.15	5.20	9.20
RAH16			40	20.71	76.8	0.26	5.00	10.30
RAH16			50	19.11	81.2	0.36	4.70	11.50
RAH16			63	16.80	85.0	0.56	4.30	13.00
RAH16			80	13.75	88.3	0.82	3.70	14.80
RAH16			100	9.96	91.1	1.28	3.00	16.80
RAH16			125	5.30	93.3	1.94	1.80	18.80
RAH16			160	-0.79	95.0	2.91	0.00	21.10
RAH16			200	-5.15	96.1	4.19	0.00	22.80
RAH17	3 657	3 661						
RAH17			20	28.28	62.0	0.00	5.60	7.60
RAH17			25	26.70	67.2	0.07	5.40	8.30
RAH17			32	25.07	72.0	0.11	5.20	9.20
RAH17			40	23.67	76.8	0.18	5.00	10.30
RAH17			50	22.10	81.2	0.26	4.70	11.50
RAH17			63	19.85	85.0	0.40	4.30	13.00
RAH17			80	16.87	88.3	0.59	3.70	14.80
RAH17			100	13.21	91.1	0.92	3.00	16.80
RAH17			125	8.74	93.3	1.39	1.80	18.80
RAH17			160	2.92	95.0	2.09	0.00	21.10
RAH17			200	-1.07	96.1	3.00	0.00	22.80
RAH18	4 248	4 252						
RAH18			20	26.98	62.0	0.00	5.60	7.60
RAH18			25	25.39	67.2	0.09	5.40	8.30
RAH18			32	23.75	72.0	0.13	5.20	9.20
RAH18			40	22.34	76.8	0.21	5.00	10.30
RAH18			50	20.76	81.2	0.30	4.70	11.50
RAH18			63	18.48	85.0	0.47	4.30	13.00
RAH18			80	15.47	88.3	0.68	3.70	14.80
RAH18			100	11.77	91.1	1.06	3.00	16.80
RAH18			125	7.21	93.3	1.62	1.80	18.80
RAH18			160	1.28	95.0	2.42	0.00	21.10
RAH18			200	-2.86	96.1	3.49	0.00	22.80
RAH19	4 300	4 304						
RAH19			20	26.87	62.0	0.00	5.60	7.60
RAH19			25	25.28	67.2	0.09	5.40	8.30
RAH19			32	23.64	72.0	0.13	5.20	9.20
RAH19			40	22.23	76.8	0.22	5.00	10.30
RAH19			50	20.65	81.2	0.30	4.70	11.50
RAH19			63	18.37	85.0	0.47	4.30	13.00
RAH19			80	15.36	88.3	0.69	3.70	14.80
RAH19			100	11.65	91.1	1.08	3.00	16.80
RAH19			125	7.09	93.3	1.64	1.80	18.80
RAH19			160	1.14	95.0	2.45	0.00	21.10
RAH19			200	-3.01	96.1	3.53	0.00	22.80
SIL01	10 222	10 223						
SIL01			20	20.63	63.3	0.00	5.60	7.60
SIL01			25	18.82	68.4	0.20	5.40	8.30
SIL01			32	12.83	68.9	0.31	5.20	9.20
SIL01			40	9.72	72.1	0.51	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			50	8.32	76.8	0.72	4.70	11.50
SIL01			63	4.99	79.8	1.12	4.30	13.00
SIL01			80	1.18	82.6	1.64	3.70	14.80
SIL01			100	-2.42	86.0	2.56	3.00	16.80
SIL01			125	-6.69	89.3	3.88	1.80	18.80
SIL01			160	-16.54	88.2	5.83	0.00	21.10
SIL01			200	-21.49	90.0	8.38	0.00	22.80
SIL02	9 720	9 721						
SIL02			20	21.07	63.3	0.00	5.60	7.60
SIL02			25	19.27	68.4	0.19	5.40	8.30
SIL02			32	13.28	68.9	0.29	5.20	9.20
SIL02			40	10.18	72.1	0.49	5.00	10.30
SIL02			50	8.79	76.8	0.68	4.70	11.50
SIL02			63	5.48	79.8	1.07	4.30	13.00
SIL02			80	1.70	82.6	1.56	3.70	14.80
SIL02			100	-1.86	86.0	2.43	3.00	16.80
SIL02			125	-6.06	89.3	3.69	1.80	18.80
SIL02			160	-15.81	88.2	5.54	0.00	21.10
SIL02			200	-20.64	90.0	7.97	0.00	22.80
SIL03	9 084	9 086						
SIL03			20	21.66	63.3	0.00	5.60	7.60
SIL03			25	19.87	68.4	0.18	5.40	8.30
SIL03			32	13.89	68.9	0.27	5.20	9.20
SIL03			40	10.80	72.1	0.45	5.00	10.30
SIL03			50	9.42	76.8	0.64	4.70	11.50
SIL03			63	6.14	79.8	1.00	4.30	13.00
SIL03			80	2.39	82.6	1.45	3.70	14.80
SIL03			100	-1.11	86.0	2.27	3.00	16.80
SIL03			125	-5.23	89.3	3.45	1.80	18.80
SIL03			160	-14.86	88.2	5.18	0.00	21.10
SIL03			200	-19.53	90.0	7.45	0.00	22.80
SIL04	9 088	9 090						
SIL04			20	21.65	63.3	0.00	5.60	7.60
SIL04			25	19.86	68.4	0.18	5.40	8.30
SIL04			32	13.89	68.9	0.27	5.20	9.20
SIL04			40	10.80	72.1	0.45	5.00	10.30
SIL04			50	9.42	76.8	0.64	4.70	11.50
SIL04			63	6.13	79.8	1.00	4.30	13.00
SIL04			80	2.39	82.6	1.45	3.70	14.80
SIL04			100	-1.11	86.0	2.27	3.00	16.80
SIL04			125	-5.24	89.3	3.45	1.80	18.80
SIL04			160	-14.87	88.2	5.18	0.00	21.10
SIL04			200	-19.54	90.0	7.45	0.00	22.80
SIL05	9 964	9 966						
SIL05			20	20.85	63.3	0.00	5.60	7.60
SIL05			25	19.05	68.4	0.20	5.40	8.30
SIL05			32	13.06	68.9	0.30	5.20	9.20
SIL05			40	9.95	72.1	0.50	5.00	10.30
SIL05			50	8.56	76.8	0.70	4.70	11.50
SIL05			63	5.24	79.8	1.10	4.30	13.00
SIL05			80	1.45	82.6	1.59	3.70	14.80
SIL05			100	-2.13	86.0	2.49	3.00	16.80
SIL05			125	-6.37	89.3	3.79	1.80	18.80
SIL05			160	-16.17	88.2	5.68	0.00	21.10
SIL05			200	-21.05	90.0	8.17	0.00	22.80
SIL06	9 588	9 590						
SIL06			20	21.19	63.3	0.00	5.60	7.60
SIL06			25	19.39	68.4	0.19	5.40	8.30
SIL06			32	13.41	68.9	0.29	5.20	9.20
SIL06			40	10.31	72.1	0.48	5.00	10.30
SIL06			50	8.92	76.8	0.67	4.70	11.50
SIL06			63	5.62	79.8	1.05	4.30	13.00
SIL06			80	1.84	82.6	1.53	3.70	14.80
SIL06			100	-1.70	86.0	2.40	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			125	-5.89	89.3	3.64	1.80	18.80
SIL06			160	-15.62	88.2	5.47	0.00	21.10
SIL06			200	-20.41	90.0	7.86	0.00	22.80
SIL07	9 027	9 029						
SIL07			20	21.71	63.3	0.00	5.60	7.60
SIL07			25	19.92	68.4	0.18	5.40	8.30
SIL07			32	13.95	68.9	0.27	5.20	9.20
SIL07			40	10.86	72.1	0.45	5.00	10.30
SIL07			50	9.48	76.8	0.63	4.70	11.50
SIL07			63	6.20	79.8	0.99	4.30	13.00
SIL07			80	2.45	82.6	1.44	3.70	14.80
SIL07			100	-1.04	86.0	2.26	3.00	16.80
SIL07			125	-5.15	89.3	3.43	1.80	18.80
SIL07			160	-14.78	88.2	5.15	0.00	21.10
SIL07			200	-19.43	90.0	7.40	0.00	22.80
SIL08	9 380	9 381						
SIL08			20	21.38	63.3	0.00	5.60	7.60
SIL08			25	19.58	68.4	0.19	5.40	8.30
SIL08			32	13.60	68.9	0.28	5.20	9.20
SIL08			40	10.51	72.1	0.47	5.00	10.30
SIL08			50	9.12	76.8	0.66	4.70	11.50
SIL08			63	5.83	79.8	1.03	4.30	13.00
SIL08			80	2.07	82.6	1.50	3.70	14.80
SIL08			100	-1.46	86.0	2.35	3.00	16.80
SIL08			125	-5.62	89.3	3.56	1.80	18.80
SIL08			160	-15.31	88.2	5.35	0.00	21.10
SIL08			200	-20.05	90.0	7.69	0.00	22.80
Sum								
Sum			20	46.71				
Sum			25	44.24				
Sum			32	43.01				
Sum			40	40.81				
Sum			50	39.71				
Sum			63	35.92				
Sum			80	32.67				
Sum			100	30.16				
Sum			125	23.75				
Sum			160	17.80				
Sum			200	13.97				

Noise sensitive area: AC Noise sensitive point: Finnish normal frequency - User defined (47)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 890	3 894						
KAR01			20	29.59	63.9	0.00	5.60	7.60
KAR01			25	26.71	67.8	0.08	5.40	8.30
KAR01			32	25.77	73.3	0.12	5.20	9.20
KAR01			40	23.20	76.9	0.19	5.00	10.30
KAR01			50	22.32	82.0	0.27	4.70	11.50
KAR01			63	17.56	83.3	0.43	4.30	13.00
KAR01			80	14.07	86.1	0.62	3.70	14.80
KAR01			100	12.32	90.8	0.97	3.00	16.80
KAR01			125	4.11	89.3	1.48	1.80	18.80
KAR01			160	-2.13	90.6	2.22	0.00	21.10
KAR01			200	-6.00	91.9	3.19	0.00	22.80
KAR02	3 579	3 584						
KAR02			20	30.31	63.9	0.00	5.60	7.60
KAR02			25	27.44	67.8	0.07	5.40	8.30
KAR02			32	26.50	73.3	0.11	5.20	9.20
KAR02			40	23.93	76.9	0.18	5.00	10.30
KAR02			50	23.06	82.0	0.25	4.70	11.50
KAR02			63	18.32	83.3	0.39	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR02			80	14.84	86.1	0.57	3.70	14.80
KAR02			100	13.12	90.8	0.90	3.00	16.80
KAR02			125	4.95	89.3	1.36	1.80	18.80
KAR02			160	-1.23	90.6	2.04	0.00	21.10
KAR02			200	-5.03	91.9	2.94	0.00	22.80
KAR03	4 026	4 030						
KAR03			20	29.29	63.9	0.00	5.60	7.60
KAR03			25	26.41	67.8	0.08	5.40	8.30
KAR03			32	25.47	73.3	0.12	5.20	9.20
KAR03			40	22.89	76.9	0.20	5.00	10.30
KAR03			50	22.01	82.0	0.28	4.70	11.50
KAR03			63	17.25	83.3	0.44	4.30	13.00
KAR03			80	13.75	86.1	0.64	3.70	14.80
KAR03			100	11.99	90.8	1.01	3.00	16.80
KAR03			125	3.76	89.3	1.53	1.80	18.80
KAR03			160	-2.50	90.6	2.30	0.00	21.10
KAR03			200	-6.41	91.9	3.30	0.00	22.80
KAR04	4 645	4 649						
KAR04			20	28.05	63.9	0.00	5.60	7.60
KAR04			25	25.16	67.8	0.09	5.40	8.30
KAR04			32	24.21	73.3	0.14	5.20	9.20
KAR04			40	21.62	76.9	0.23	5.00	10.30
KAR04			50	20.73	82.0	0.33	4.70	11.50
KAR04			63	15.94	83.3	0.51	4.30	13.00
KAR04			80	12.41	86.1	0.74	3.70	14.80
KAR04			100	10.59	90.8	1.16	3.00	16.80
KAR04			125	2.29	89.3	1.77	1.80	18.80
KAR04			160	-4.10	90.6	2.65	0.00	21.10
KAR04			200	-8.16	91.9	3.81	0.00	22.80
KAR05	5 256	5 260						
KAR05			20	26.98	63.9	0.00	5.60	7.60
KAR05			25	24.08	67.8	0.11	5.40	8.30
KAR05			32	23.12	73.3	0.16	5.20	9.20
KAR05			40	20.52	76.9	0.26	5.00	10.30
KAR05			50	19.61	82.0	0.37	4.70	11.50
KAR05			63	14.80	83.3	0.58	4.30	13.00
KAR05			80	11.24	86.1	0.84	3.70	14.80
KAR05			100	9.37	90.8	1.31	3.00	16.80
KAR05			125	0.98	89.3	2.00	1.80	18.80
KAR05			160	-5.52	90.6	3.00	0.00	21.10
KAR05			200	-9.73	91.9	4.31	0.00	22.80
KAR06	4 503	4 507						
KAR06			20	28.32	63.9	0.00	5.60	7.60
KAR06			25	25.43	67.8	0.09	5.40	8.30
KAR06			32	24.49	73.3	0.14	5.20	9.20
KAR06			40	21.90	76.9	0.23	5.00	10.30
KAR06			50	21.01	82.0	0.32	4.70	11.50
KAR06			63	16.23	83.3	0.50	4.30	13.00
KAR06			80	12.70	86.1	0.72	3.70	14.80
KAR06			100	10.89	90.8	1.13	3.00	16.80
KAR06			125	2.61	89.3	1.71	1.80	18.80
KAR06			160	-3.75	90.6	2.57	0.00	21.10
KAR06			200	-7.77	91.9	3.70	0.00	22.80
KAR07	4 267	4 271						
KAR07			20	28.79	63.9	0.00	5.60	7.60
KAR07			25	25.90	67.8	0.09	5.40	8.30
KAR07			32	24.96	73.3	0.13	5.20	9.20
KAR07			40	22.38	76.9	0.21	5.00	10.30
KAR07			50	21.49	82.0	0.30	4.70	11.50
KAR07			63	16.72	83.3	0.47	4.30	13.00
KAR07			80	13.21	86.1	0.68	3.70	14.80
KAR07			100	11.42	90.8	1.07	3.00	16.80
KAR07			125	3.17	89.3	1.62	1.80	18.80
KAR07			160	-3.15	90.6	2.43	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			200	-7.11	91.9	3.50	0.00	22.80
KAR08	4 235	4 239						
KAR08			20	28.86	63.9	0.00	5.60	7.60
KAR08			25	25.97	67.8	0.08	5.40	8.30
KAR08			32	25.03	73.3	0.13	5.20	9.20
KAR08			40	22.44	76.9	0.21	5.00	10.30
KAR08			50	21.56	82.0	0.30	4.70	11.50
KAR08			63	16.79	83.3	0.47	4.30	13.00
KAR08			80	13.28	86.1	0.68	3.70	14.80
KAR08			100	11.50	90.8	1.06	3.00	16.80
KAR08			125	3.24	89.3	1.61	1.80	18.80
KAR08			160	-3.06	90.6	2.42	0.00	21.10
KAR08			200	-7.02	91.9	3.48	0.00	22.80
KAR09	5 671	5 675						
KAR09			20	26.32	63.9	0.00	5.60	7.60
KAR09			25	23.41	67.8	0.11	5.40	8.30
KAR09			32	22.45	73.3	0.17	5.20	9.20
KAR09			40	19.84	76.9	0.28	5.00	10.30
KAR09			50	18.92	82.0	0.40	4.70	11.50
KAR09			63	14.10	83.3	0.62	4.30	13.00
KAR09			80	10.51	86.1	0.91	3.70	14.80
KAR09			100	8.60	90.8	1.42	3.00	16.80
KAR09			125	0.17	89.3	2.16	1.80	18.80
KAR09			160	-6.41	90.6	3.23	0.00	21.10
KAR09			200	-10.73	91.9	4.65	0.00	22.80
KAR10	5 283	5 286						
KAR10			20	26.94	63.9	0.00	5.60	7.60
KAR10			25	24.03	67.8	0.11	5.40	8.30
KAR10			32	23.08	73.3	0.16	5.20	9.20
KAR10			40	20.47	76.9	0.26	5.00	10.30
KAR10			50	19.57	82.0	0.37	4.70	11.50
KAR10			63	14.76	83.3	0.58	4.30	13.00
KAR10			80	11.19	86.1	0.85	3.70	14.80
KAR10			100	9.32	90.8	1.32	3.00	16.80
KAR10			125	0.93	89.3	2.01	1.80	18.80
KAR10			160	-5.58	90.6	3.01	0.00	21.10
KAR10			200	-9.80	91.9	4.33	0.00	22.80
KAR11	4 954	4 957						
KAR11			20	27.50	63.9	0.00	5.60	7.60
KAR11			25	24.60	67.8	0.10	5.40	8.30
KAR11			32	23.65	73.3	0.15	5.20	9.20
KAR11			40	21.05	76.9	0.25	5.00	10.30
KAR11			50	20.15	82.0	0.35	4.70	11.50
KAR11			63	15.35	83.3	0.55	4.30	13.00
KAR11			80	11.80	86.1	0.79	3.70	14.80
KAR11			100	9.96	90.8	1.24	3.00	16.80
KAR11			125	1.61	89.3	1.88	1.80	18.80
KAR11			160	-4.83	90.6	2.83	0.00	21.10
KAR11			200	-8.97	91.9	4.06	0.00	22.80
KAR12	5 734	5 737						
KAR12			20	26.23	63.9	0.00	5.60	7.60
KAR12			25	23.31	67.8	0.11	5.40	8.30
KAR12			32	22.35	73.3	0.17	5.20	9.20
KAR12			40	19.74	76.9	0.29	5.00	10.30
KAR12			50	18.82	82.0	0.40	4.70	11.50
KAR12			63	13.99	83.3	0.63	4.30	13.00
KAR12			80	10.41	86.1	0.92	3.70	14.80
KAR12			100	8.49	90.8	1.43	3.00	16.80
KAR12			125	0.05	89.3	2.18	1.80	18.80
KAR12			160	-6.54	90.6	3.27	0.00	21.10
KAR12			200	-10.88	91.9	4.70	0.00	22.80
KAR13	5 290	5 293						
KAR13			20	26.93	63.9	0.00	5.60	7.60
KAR13			25	24.02	67.8	0.11	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			32	23.07	73.3	0.16	5.20	9.20
KAR13			40	20.46	76.9	0.26	5.00	10.30
KAR13			50	19.55	82.0	0.37	4.70	11.50
KAR13			63	14.74	83.3	0.58	4.30	13.00
KAR13			80	11.18	86.1	0.85	3.70	14.80
KAR13			100	9.30	90.8	1.32	3.00	16.80
KAR13			125	0.91	89.3	2.01	1.80	18.80
KAR13			160	-5.59	90.6	3.02	0.00	21.10
KAR13			200	-9.82	91.9	4.34	0.00	22.80
KAR14	6 182	6 186						
KAR14			20	25.57	63.9	0.00	5.60	7.60
KAR14			25	22.65	67.8	0.12	5.40	8.30
KAR14			32	21.69	73.3	0.19	5.20	9.20
KAR14			40	19.06	76.9	0.31	5.00	10.30
KAR14			50	18.14	82.0	0.43	4.70	11.50
KAR14			63	13.29	83.3	0.68	4.30	13.00
KAR14			80	9.68	86.1	0.99	3.70	14.80
KAR14			100	7.73	90.8	1.55	3.00	16.80
KAR14			125	-0.78	89.3	2.35	1.80	18.80
KAR14			160	-7.45	90.6	3.53	0.00	21.10
KAR14			200	-11.90	91.9	5.07	0.00	22.80
KAR15	5 221	5 225						
KAR15			20	27.04	63.9	0.00	5.60	7.60
KAR15			25	24.13	67.8	0.10	5.40	8.30
KAR15			32	23.18	73.3	0.16	5.20	9.20
KAR15			40	20.58	76.9	0.26	5.00	10.30
KAR15			50	19.67	82.0	0.37	4.70	11.50
KAR15			63	14.86	83.3	0.57	4.30	13.00
KAR15			80	11.30	86.1	0.84	3.70	14.80
KAR15			100	9.43	90.8	1.31	3.00	16.80
KAR15			125	1.05	89.3	1.99	1.80	18.80
KAR15			160	-5.44	90.6	2.98	0.00	21.10
KAR15			200	-9.65	91.9	4.28	0.00	22.80
KAR16	6 403	6 405						
KAR16			20	25.27	63.9	0.00	5.60	7.60
KAR16			25	22.34	67.8	0.13	5.40	8.30
KAR16			32	21.38	73.3	0.19	5.20	9.20
KAR16			40	18.75	76.9	0.32	5.00	10.30
KAR16			50	17.82	82.0	0.45	4.70	11.50
KAR16			63	12.96	83.3	0.70	4.30	13.00
KAR16			80	9.34	86.1	1.02	3.70	14.80
KAR16			100	7.37	90.8	1.60	3.00	16.80
KAR16			125	-1.17	89.3	2.43	1.80	18.80
KAR16			160	-7.88	90.6	3.65	0.00	21.10
KAR16			200	-12.38	91.9	5.25	0.00	22.80
KAR17	6 237	6 240						
KAR17			20	25.50	63.9	0.00	5.60	7.60
KAR17			25	22.57	67.8	0.12	5.40	8.30
KAR17			32	21.61	73.3	0.19	5.20	9.20
KAR17			40	18.98	76.9	0.31	5.00	10.30
KAR17			50	18.06	82.0	0.44	4.70	11.50
KAR17			63	13.21	83.3	0.69	4.30	13.00
KAR17			80	9.60	86.1	1.00	3.70	14.80
KAR17			100	7.64	90.8	1.56	3.00	16.80
KAR17			125	-0.87	89.3	2.37	1.80	18.80
KAR17			160	-7.56	90.6	3.56	0.00	21.10
KAR17			200	-12.02	91.9	5.12	0.00	22.80
KAR18	6 901	6 904						
KAR18			20	24.62	63.9	0.00	5.60	7.60
KAR18			25	21.68	67.8	0.14	5.40	8.30
KAR18			32	20.71	73.3	0.21	5.20	9.20
KAR18			40	18.07	76.9	0.35	5.00	10.30
KAR18			50	17.13	82.0	0.48	4.70	11.50
KAR18			63	12.26	83.3	0.76	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR18			80	8.61	86.1	1.10	3.70	14.80
KAR18			100	6.59	90.8	1.73	3.00	16.80
KAR18			125	-2.01	89.3	2.62	1.80	18.80
KAR18			160	-8.82	90.6	3.94	0.00	21.10
KAR18			200	-13.44	91.9	5.66	0.00	22.80
KAR19	5 946	5 949						
KAR19			20	25.91	63.9	0.00	5.60	7.60
KAR19			25	22.99	67.8	0.12	5.40	8.30
KAR19			32	22.03	73.3	0.18	5.20	9.20
KAR19			40	19.41	76.9	0.30	5.00	10.30
KAR19			50	18.50	82.0	0.42	4.70	11.50
KAR19			63	13.66	83.3	0.65	4.30	13.00
KAR19			80	10.06	86.1	0.95	3.70	14.80
KAR19			100	8.12	90.8	1.49	3.00	16.80
KAR19			125	-0.35	89.3	2.26	1.80	18.80
KAR19			160	-6.98	90.6	3.39	0.00	21.10
KAR19			200	-11.37	91.9	4.88	0.00	22.80
KAR20	6 887	6 890						
KAR20			20	24.64	63.9	0.00	5.60	7.60
KAR20			25	21.70	67.8	0.14	5.40	8.30
KAR20			32	20.73	73.3	0.21	5.20	9.20
KAR20			40	18.09	76.9	0.34	5.00	10.30
KAR20			50	17.15	82.0	0.48	4.70	11.50
KAR20			63	12.28	83.3	0.76	4.30	13.00
KAR20			80	8.63	86.1	1.10	3.70	14.80
KAR20			100	6.61	90.8	1.72	3.00	16.80
KAR20			125	-1.98	89.3	2.62	1.80	18.80
KAR20			160	-8.79	90.6	3.93	0.00	21.10
KAR20			200	-13.41	91.9	5.65	0.00	22.80
KAR21	6 621	6 624						
KAR21			20	24.98	63.9	0.00	5.60	7.60
KAR21			25	22.04	67.8	0.13	5.40	8.30
KAR21			32	21.08	73.3	0.20	5.20	9.20
KAR21			40	18.45	76.9	0.33	5.00	10.30
KAR21			50	17.51	82.0	0.46	4.70	11.50
KAR21			63	12.65	83.3	0.73	4.30	13.00
KAR21			80	9.02	86.1	1.06	3.70	14.80
KAR21			100	7.02	90.8	1.66	3.00	16.80
KAR21			125	-1.54	89.3	2.52	1.80	18.80
KAR21			160	-8.30	90.6	3.78	0.00	21.10
KAR21			200	-12.85	91.9	5.43	0.00	22.80
KAR22	6 640	6 643						
KAR22			20	24.95	63.9	0.00	5.60	7.60
KAR22			25	22.02	67.8	0.13	5.40	8.30
KAR22			32	21.05	73.3	0.20	5.20	9.20
KAR22			40	18.42	76.9	0.33	5.00	10.30
KAR22			50	17.49	82.0	0.47	4.70	11.50
KAR22			63	12.62	83.3	0.73	4.30	13.00
KAR22			80	8.99	86.1	1.06	3.70	14.80
KAR22			100	6.99	90.8	1.66	3.00	16.80
KAR22			125	-1.57	89.3	2.52	1.80	18.80
KAR22			160	-8.33	90.6	3.79	0.00	21.10
KAR22			200	-12.89	91.9	5.45	0.00	22.80
KAR23	7 214	7 216						
KAR23			20	24.23	63.9	0.00	5.60	7.60
KAR23			25	21.29	67.8	0.14	5.40	8.30
KAR23			32	20.32	73.3	0.22	5.20	9.20
KAR23			40	17.67	76.9	0.36	5.00	10.30
KAR23			50	16.73	82.0	0.51	4.70	11.50
KAR23			63	11.84	83.3	0.79	4.30	13.00
KAR23			80	8.18	86.1	1.15	3.70	14.80
KAR23			100	6.13	90.8	1.80	3.00	16.80
KAR23			125	-2.51	89.3	2.74	1.80	18.80
KAR23			160	-9.38	90.6	4.11	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			200	-14.08	91.9	5.92	0.00	22.80
KAR24	4 297	4 301						
KAR24			20	28.73	63.9	0.00	5.60	7.60
KAR24			25	25.84	67.8	0.09	5.40	8.30
KAR24			32	24.90	73.3	0.13	5.20	9.20
KAR24			40	22.31	76.9	0.22	5.00	10.30
KAR24			50	21.43	82.0	0.30	4.70	11.50
KAR24			63	16.66	83.3	0.47	4.30	13.00
KAR24			80	13.14	86.1	0.69	3.70	14.80
KAR24			100	11.35	90.8	1.08	3.00	16.80
KAR24			125	3.09	89.3	1.63	1.80	18.80
KAR24			160	-3.22	90.6	2.45	0.00	21.10
KAR24			200	-7.20	91.9	3.53	0.00	22.80
KAR25	3 244	3 249						
KAR25			20	31.16	63.9	0.00	5.60	7.60
KAR25			25	28.30	67.8	0.06	5.40	8.30
KAR25			32	27.37	73.3	0.10	5.20	9.20
KAR25			40	24.80	76.9	0.16	5.00	10.30
KAR25			50	23.94	82.0	0.23	4.70	11.50
KAR25			63	19.21	83.3	0.36	4.30	13.00
KAR25			80	15.74	86.1	0.52	3.70	14.80
KAR25			100	14.05	90.8	0.81	3.00	16.80
KAR25			125	5.93	89.3	1.23	1.80	18.80
KAR25			160	-0.19	90.6	1.85	0.00	21.10
KAR25			200	-3.90	91.9	2.66	0.00	22.80
MAA01	2 052	2 057						
MAA01			20	35.14	63.9	0.00	5.60	7.60
MAA01			25	32.29	67.8	0.04	5.40	8.30
MAA01			32	31.37	73.3	0.06	5.20	9.20
MAA01			40	28.83	76.9	0.10	5.00	10.30
MAA01			50	27.99	82.0	0.14	4.70	11.50
MAA01			63	23.31	83.3	0.23	4.30	13.00
MAA01			80	19.91	86.1	0.33	3.70	14.80
MAA01			100	18.32	90.8	0.51	3.00	16.80
MAA01			125	10.35	89.3	0.78	1.80	18.80
MAA01			160	4.46	90.6	1.17	0.00	21.10
MAA01			200	1.05	91.9	1.69	0.00	22.80
MAA03	2 210	2 215						
MAA03			20	34.49	63.9	0.00	5.60	7.60
MAA03			25	31.65	67.8	0.04	5.40	8.30
MAA03			32	30.73	73.3	0.07	5.20	9.20
MAA03			40	28.18	76.9	0.11	5.00	10.30
MAA03			50	27.34	82.0	0.16	4.70	11.50
MAA03			63	22.65	83.3	0.24	4.30	13.00
MAA03			80	19.24	86.1	0.35	3.70	14.80
MAA03			100	17.64	90.8	0.55	3.00	16.80
MAA03			125	9.65	89.3	0.84	1.80	18.80
MAA03			160	3.73	90.6	1.26	0.00	21.10
MAA03			200	0.28	91.9	1.82	0.00	22.80
MAA04	1 612	1 619						
MAA04			20	37.22	63.9	0.00	5.60	7.60
MAA04			25	34.39	67.8	0.03	5.40	8.30
MAA04			32	33.47	73.3	0.05	5.20	9.20
MAA04			40	30.94	76.9	0.08	5.00	10.30
MAA04			50	30.10	82.0	0.11	4.70	11.50
MAA04			63	25.44	83.3	0.18	4.30	13.00
MAA04			80	22.06	86.1	0.26	3.70	14.80
MAA04			100	20.51	90.8	0.40	3.00	16.80
MAA04			125	12.60	89.3	0.62	1.80	18.80
MAA04			160	6.80	90.6	0.92	0.00	21.10
MAA04			200	3.49	91.9	1.33	0.00	22.80
MAA05	2 475	2 479						
MAA05			20	33.51	63.9	0.00	5.60	7.60
MAA05			25	30.66	67.8	0.05	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			32	29.74	73.3	0.07	5.20	9.20
MAA05			40	27.19	76.9	0.12	5.00	10.30
MAA05			50	26.34	82.0	0.17	4.70	11.50
MAA05			63	21.64	83.3	0.27	4.30	13.00
MAA05			80	18.22	86.1	0.40	3.70	14.80
MAA05			100	16.59	90.8	0.62	3.00	16.80
MAA05			125	8.57	89.3	0.94	1.80	18.80
MAA05			160	2.60	90.6	1.41	0.00	21.10
MAA05			200	-0.92	91.9	2.03	0.00	22.80
MAA06	3 023	3 026						
MAA06			20	31.78	63.9	0.00	5.60	7.60
MAA06			25	28.92	67.8	0.06	5.40	8.30
MAA06			32	27.99	73.3	0.09	5.20	9.20
MAA06			40	25.43	76.9	0.15	5.00	10.30
MAA06			50	24.57	82.0	0.21	4.70	11.50
MAA06			63	19.85	83.3	0.33	4.30	13.00
MAA06			80	16.40	86.1	0.48	3.70	14.80
MAA06			100	14.73	90.8	0.76	3.00	16.80
MAA06			125	6.63	89.3	1.15	1.80	18.80
MAA06			160	0.56	90.6	1.72	0.00	21.10
MAA06			200	-3.10	91.9	2.48	0.00	22.80
MAA07	3 208	3 211						
MAA07			20	31.27	63.9	0.00	5.60	7.60
MAA07			25	28.40	67.8	0.06	5.40	8.30
MAA07			32	27.47	73.3	0.10	5.20	9.20
MAA07			40	24.91	76.9	0.16	5.00	10.30
MAA07			50	24.04	82.0	0.22	4.70	11.50
MAA07			63	19.31	83.3	0.35	4.30	13.00
MAA07			80	15.85	86.1	0.51	3.70	14.80
MAA07			100	14.16	90.8	0.80	3.00	16.80
MAA07			125	6.05	89.3	1.22	1.80	18.80
MAA07			160	-0.06	90.6	1.83	0.00	21.10
MAA07			200	-3.77	91.9	2.63	0.00	22.80
MAA08	3 372	3 375						
MAA08			20	30.83	63.9	0.00	5.60	7.60
MAA08			25	27.97	67.8	0.07	5.40	8.30
MAA08			32	27.03	73.3	0.10	5.20	9.20
MAA08			40	24.46	76.9	0.17	5.00	10.30
MAA08			50	23.60	82.0	0.24	4.70	11.50
MAA08			63	18.86	83.3	0.37	4.30	13.00
MAA08			80	15.39	86.1	0.54	3.70	14.80
MAA08			100	13.69	90.8	0.84	3.00	16.80
MAA08			125	5.55	89.3	1.28	1.80	18.80
MAA08			160	-0.59	90.6	1.92	0.00	21.10
MAA08			200	-4.33	91.9	2.77	0.00	22.80
RAH01	3 748	3 752						
RAH01			20	28.06	62.0	0.00	5.60	7.60
RAH01			25	26.49	67.2	0.08	5.40	8.30
RAH01			32	24.85	72.0	0.11	5.20	9.20
RAH01			40	23.45	76.8	0.19	5.00	10.30
RAH01			50	21.88	81.2	0.26	4.70	11.50
RAH01			63	19.63	85.0	0.41	4.30	13.00
RAH01			80	16.64	88.3	0.60	3.70	14.80
RAH01			100	12.98	91.1	0.94	3.00	16.80
RAH01			125	8.49	93.3	1.43	1.80	18.80
RAH01			160	2.65	95.0	2.14	0.00	21.10
RAH01			200	-1.36	96.1	3.08	0.00	22.80
RAH02	3 697	3 700						
RAH02			20	28.19	62.0	0.00	5.60	7.60
RAH02			25	26.61	67.2	0.07	5.40	8.30
RAH02			32	24.97	72.0	0.11	5.20	9.20
RAH02			40	23.58	76.8	0.18	5.00	10.30
RAH02			50	22.00	81.2	0.26	4.70	11.50
RAH02			63	19.75	85.0	0.41	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH02			80	16.77	88.3	0.59	3.70	14.80
RAH02			100	13.11	91.1	0.92	3.00	16.80
RAH02			125	8.63	93.3	1.41	1.80	18.80
RAH02			160	2.80	95.0	2.11	0.00	21.10
RAH02			200	-1.20	96.1	3.03	0.00	22.80
RAH03	3 095	3 099						
RAH03			20	29.73	62.0	0.00	5.60	7.60
RAH03			25	28.16	67.2	0.06	5.40	8.30
RAH03			32	26.53	72.0	0.09	5.20	9.20
RAH03			40	25.15	76.8	0.15	5.00	10.30
RAH03			50	23.58	81.2	0.22	4.70	11.50
RAH03			63	21.36	85.0	0.34	4.30	13.00
RAH03			80	18.41	88.3	0.50	3.70	14.80
RAH03			100	14.80	91.1	0.77	3.00	16.80
RAH03			125	10.40	93.3	1.18	1.80	18.80
RAH03			160	4.69	95.0	1.77	0.00	21.10
RAH03			200	0.84	96.1	2.54	0.00	22.80
RAH04	3 656	3 659						
RAH04			20	28.28	62.0	0.00	5.60	7.60
RAH04			25	26.71	67.2	0.07	5.40	8.30
RAH04			32	25.07	72.0	0.11	5.20	9.20
RAH04			40	23.67	76.8	0.18	5.00	10.30
RAH04			50	22.10	81.2	0.26	4.70	11.50
RAH04			63	19.85	85.0	0.40	4.30	13.00
RAH04			80	16.87	88.3	0.59	3.70	14.80
RAH04			100	13.22	91.1	0.91	3.00	16.80
RAH04			125	8.74	93.3	1.39	1.80	18.80
RAH04			160	2.92	95.0	2.09	0.00	21.10
RAH04			200	-1.07	96.1	3.00	0.00	22.80
RAH05	2 853	2 857						
RAH05			20	30.43	62.0	0.00	5.60	7.60
RAH05			25	28.87	67.2	0.06	5.40	8.30
RAH05			32	27.24	72.0	0.09	5.20	9.20
RAH05			40	25.86	76.8	0.14	5.00	10.30
RAH05			50	24.30	81.2	0.20	4.70	11.50
RAH05			63	22.09	85.0	0.31	4.30	13.00
RAH05			80	19.15	88.3	0.46	3.70	14.80
RAH05			100	15.57	91.1	0.71	3.00	16.80
RAH05			125	11.19	93.3	1.09	1.80	18.80
RAH05			160	5.53	95.0	1.63	0.00	21.10
RAH05			200	1.74	96.1	2.34	0.00	22.80
RAH06	3 063	3 067						
RAH06			20	29.81	62.0	0.00	5.60	7.60
RAH06			25	28.25	67.2	0.06	5.40	8.30
RAH06			32	26.62	72.0	0.09	5.20	9.20
RAH06			40	25.24	76.8	0.15	5.00	10.30
RAH06			50	23.68	81.2	0.21	4.70	11.50
RAH06			63	21.45	85.0	0.34	4.30	13.00
RAH06			80	18.50	88.3	0.49	3.70	14.80
RAH06			100	14.90	91.1	0.77	3.00	16.80
RAH06			125	10.50	93.3	1.17	1.80	18.80
RAH06			160	4.79	95.0	1.75	0.00	21.10
RAH06			200	0.95	96.1	2.51	0.00	22.80
RAH07	4 607	4 610						
RAH07			20	26.27	62.0	0.00	5.60	7.60
RAH07			25	24.68	67.2	0.09	5.40	8.30
RAH07			32	23.04	72.0	0.14	5.20	9.20
RAH07			40	21.62	76.8	0.23	5.00	10.30
RAH07			50	20.03	81.2	0.32	4.70	11.50
RAH07			63	17.74	85.0	0.51	4.30	13.00
RAH07			80	14.71	88.3	0.74	3.70	14.80
RAH07			100	10.97	91.1	1.15	3.00	16.80
RAH07			125	6.37	93.3	1.75	1.80	18.80
RAH07			160	0.37	95.0	2.63	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			200	-3.85	96.1	3.78	0.00	22.80
RAH08	4 766	4 769						
RAH08			20	25.98	62.0	0.00	5.60	7.60
RAH08			25	24.38	67.2	0.10	5.40	8.30
RAH08			32	22.74	72.0	0.14	5.20	9.20
RAH08			40	21.32	76.8	0.24	5.00	10.30
RAH08			50	19.72	81.2	0.33	4.70	11.50
RAH08			63	17.43	85.0	0.52	4.30	13.00
RAH08			80	14.39	88.3	0.76	3.70	14.80
RAH08			100	10.64	91.1	1.19	3.00	16.80
RAH08			125	6.02	93.3	1.81	1.80	18.80
RAH08			160	-0.01	95.0	2.72	0.00	21.10
RAH08			200	-4.28	96.1	3.91	0.00	22.80
RAH09	3 972	3 975						
RAH09			20	27.56	62.0	0.00	5.60	7.60
RAH09			25	25.98	67.2	0.08	5.40	8.30
RAH09			32	24.34	72.0	0.12	5.20	9.20
RAH09			40	22.94	76.8	0.20	5.00	10.30
RAH09			50	21.36	81.2	0.28	4.70	11.50
RAH09			63	19.10	85.0	0.44	4.30	13.00
RAH09			80	16.10	88.3	0.64	3.70	14.80
RAH09			100	12.42	91.1	0.99	3.00	16.80
RAH09			125	7.90	93.3	1.51	1.80	18.80
RAH09			160	2.02	95.0	2.27	0.00	21.10
RAH09			200	-2.05	96.1	3.26	0.00	22.80
RAH10	4 426	4 429						
RAH10			20	26.62	62.0	0.00	5.60	7.60
RAH10			25	25.03	67.2	0.09	5.40	8.30
RAH10			32	23.39	72.0	0.13	5.20	9.20
RAH10			40	21.98	76.8	0.22	5.00	10.30
RAH10			50	20.39	81.2	0.31	4.70	11.50
RAH10			63	18.11	85.0	0.49	4.30	13.00
RAH10			80	15.09	88.3	0.71	3.70	14.80
RAH10			100	11.37	91.1	1.11	3.00	16.80
RAH10			125	6.79	93.3	1.68	1.80	18.80
RAH10			160	0.83	95.0	2.52	0.00	21.10
RAH10			200	-3.36	96.1	3.63	0.00	22.80
RAH11	3 467	3 470						
RAH11			20	28.74	62.0	0.00	5.60	7.60
RAH11			25	27.17	67.2	0.07	5.40	8.30
RAH11			32	25.54	72.0	0.10	5.20	9.20
RAH11			40	24.14	76.8	0.17	5.00	10.30
RAH11			50	22.57	81.2	0.24	4.70	11.50
RAH11			63	20.34	85.0	0.38	4.30	13.00
RAH11			80	17.36	88.3	0.56	3.70	14.80
RAH11			100	13.73	91.1	0.87	3.00	16.80
RAH11			125	9.27	93.3	1.32	1.80	18.80
RAH11			160	3.49	95.0	1.98	0.00	21.10
RAH11			200	-0.45	96.1	2.85	0.00	22.80
RAH12	4 194	4 197						
RAH12			20	27.09	62.0	0.00	5.60	7.60
RAH12			25	25.51	67.2	0.08	5.40	8.30
RAH12			32	23.86	72.0	0.13	5.20	9.20
RAH12			40	22.46	76.8	0.21	5.00	10.30
RAH12			50	20.87	81.2	0.29	4.70	11.50
RAH12			63	18.60	85.0	0.46	4.30	13.00
RAH12			80	15.59	88.3	0.67	3.70	14.80
RAH12			100	11.89	91.1	1.05	3.00	16.80
RAH12			125	7.35	93.3	1.59	1.80	18.80
RAH12			160	1.42	95.0	2.39	0.00	21.10
RAH12			200	-2.70	96.1	3.44	0.00	22.80
RAH13	4 141	4 144						
RAH13			20	27.20	62.0	0.00	5.60	7.60
RAH13			25	25.62	67.2	0.08	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			32	23.98	72.0	0.12	5.20	9.20
RAH13			40	22.57	76.8	0.21	5.00	10.30
RAH13			50	20.99	81.2	0.29	4.70	11.50
RAH13			63	18.72	85.0	0.46	4.30	13.00
RAH13			80	15.71	88.3	0.66	3.70	14.80
RAH13			100	12.02	91.1	1.04	3.00	16.80
RAH13			125	7.48	93.3	1.57	1.80	18.80
RAH13			160	1.56	95.0	2.36	0.00	21.10
RAH13			200	-2.55	96.1	3.40	0.00	22.80
RAH14	3 495	3 499						
RAH14			20	28.67	62.0	0.00	5.60	7.60
RAH14			25	27.10	67.2	0.07	5.40	8.30
RAH14			32	25.46	72.0	0.10	5.20	9.20
RAH14			40	24.07	76.8	0.17	5.00	10.30
RAH14			50	22.50	81.2	0.24	4.70	11.50
RAH14			63	20.26	85.0	0.38	4.30	13.00
RAH14			80	17.29	88.3	0.56	3.70	14.80
RAH14			100	13.65	91.1	0.87	3.00	16.80
RAH14			125	9.19	93.3	1.33	1.80	18.80
RAH14			160	3.40	95.0	1.99	0.00	21.10
RAH14			200	-0.55	96.1	2.87	0.00	22.80
RAH15	4 372	4 375						
RAH15			20	26.73	62.0	0.00	5.60	7.60
RAH15			25	25.14	67.2	0.09	5.40	8.30
RAH15			32	23.50	72.0	0.13	5.20	9.20
RAH15			40	22.09	76.8	0.22	5.00	10.30
RAH15			50	20.50	81.2	0.31	4.70	11.50
RAH15			63	18.22	85.0	0.48	4.30	13.00
RAH15			80	15.20	88.3	0.70	3.70	14.80
RAH15			100	11.49	91.1	1.09	3.00	16.80
RAH15			125	6.92	93.3	1.66	1.80	18.80
RAH15			160	0.96	95.0	2.49	0.00	21.10
RAH15			200	-3.21	96.1	3.59	0.00	22.80
RAH16	4 971	4 973						
RAH16			20	25.62	62.0	0.00	5.60	7.60
RAH16			25	24.02	67.2	0.10	5.40	8.30
RAH16			32	22.37	72.0	0.15	5.20	9.20
RAH16			40	20.94	76.8	0.25	5.00	10.30
RAH16			50	19.34	81.2	0.35	4.70	11.50
RAH16			63	17.04	85.0	0.55	4.30	13.00
RAH16			80	14.00	88.3	0.80	3.70	14.80
RAH16			100	10.22	91.1	1.24	3.00	16.80
RAH16			125	5.58	93.3	1.89	1.80	18.80
RAH16			160	-0.49	95.0	2.83	0.00	21.10
RAH16			200	-4.81	96.1	4.08	0.00	22.80
RAH17	3 458	3 462						
RAH17			20	28.76	62.0	0.00	5.60	7.60
RAH17			25	27.19	67.2	0.07	5.40	8.30
RAH17			32	25.56	72.0	0.10	5.20	9.20
RAH17			40	24.16	76.8	0.17	5.00	10.30
RAH17			50	22.60	81.2	0.24	4.70	11.50
RAH17			63	20.36	85.0	0.38	4.30	13.00
RAH17			80	17.38	88.3	0.55	3.70	14.80
RAH17			100	13.75	91.1	0.87	3.00	16.80
RAH17			125	9.30	93.3	1.32	1.80	18.80
RAH17			160	3.52	95.0	1.97	0.00	21.10
RAH17			200	-0.43	96.1	2.84	0.00	22.80
RAH18	4 061	4 065						
RAH18			20	27.37	62.0	0.00	5.60	7.60
RAH18			25	25.79	67.2	0.08	5.40	8.30
RAH18			32	24.15	72.0	0.12	5.20	9.20
RAH18			40	22.74	76.8	0.20	5.00	10.30
RAH18			50	21.16	81.2	0.28	4.70	11.50
RAH18			63	18.90	85.0	0.45	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH18			80	15.89	88.3	0.65	3.70	14.80
RAH18			100	12.20	91.1	1.02	3.00	16.80
RAH18			125	7.67	93.3	1.54	1.80	18.80
RAH18			160	1.78	95.0	2.32	0.00	21.10
RAH18			200	-2.31	96.1	3.33	0.00	22.80
RAH19	4 086	4 090						
RAH19			20	27.31	62.0	0.00	5.60	7.60
RAH19			25	25.73	67.2	0.08	5.40	8.30
RAH19			32	24.09	72.0	0.12	5.20	9.20
RAH19			40	22.69	76.8	0.20	5.00	10.30
RAH19			50	21.10	81.2	0.29	4.70	11.50
RAH19			63	18.84	85.0	0.45	4.30	13.00
RAH19			80	15.84	88.3	0.65	3.70	14.80
RAH19			100	12.14	91.1	1.02	3.00	16.80
RAH19			125	7.61	93.3	1.55	1.80	18.80
RAH19			160	1.71	95.0	2.33	0.00	21.10
RAH19			200	-2.39	96.1	3.35	0.00	22.80
SIL01	10 011	10 012						
SIL01			20	20.81	63.3	0.00	5.60	7.60
SIL01			25	19.01	68.4	0.20	5.40	8.30
SIL01			32	13.02	68.9	0.30	5.20	9.20
SIL01			40	9.91	72.1	0.50	5.00	10.30
SIL01			50	8.51	76.8	0.70	4.70	11.50
SIL01			63	5.19	79.8	1.10	4.30	13.00
SIL01			80	1.40	82.6	1.60	3.70	14.80
SIL01			100	-2.18	86.0	2.50	3.00	16.80
SIL01			125	-6.43	89.3	3.80	1.80	18.80
SIL01			160	-16.24	88.2	5.71	0.00	21.10
SIL01			200	-21.13	90.0	8.21	0.00	22.80
SIL02	9 503	9 504						
SIL02			20	21.27	63.3	0.00	5.60	7.60
SIL02			25	19.47	68.4	0.19	5.40	8.30
SIL02			32	13.49	68.9	0.29	5.20	9.20
SIL02			40	10.39	72.1	0.48	5.00	10.30
SIL02			50	9.00	76.8	0.67	4.70	11.50
SIL02			63	5.70	79.8	1.05	4.30	13.00
SIL02			80	1.93	82.6	1.52	3.70	14.80
SIL02			100	-1.60	86.0	2.38	3.00	16.80
SIL02			125	-5.78	89.3	3.61	1.80	18.80
SIL02			160	-15.49	88.2	5.42	0.00	21.10
SIL02			200	-20.26	90.0	7.79	0.00	22.80
SIL03	8 863	8 865						
SIL03			20	21.87	63.3	0.00	5.60	7.60
SIL03			25	20.09	68.4	0.18	5.40	8.30
SIL03			32	14.11	68.9	0.27	5.20	9.20
SIL03			40	11.03	72.1	0.44	5.00	10.30
SIL03			50	9.65	76.8	0.62	4.70	11.50
SIL03			63	6.38	79.8	0.98	4.30	13.00
SIL03			80	2.64	82.6	1.42	3.70	14.80
SIL03			100	-0.84	86.0	2.22	3.00	16.80
SIL03			125	-4.93	89.3	3.37	1.80	18.80
SIL03			160	-14.52	88.2	5.05	0.00	21.10
SIL03			200	-19.13	90.0	7.27	0.00	22.80
SIL04	8 873	8 874						
SIL04			20	21.86	63.3	0.00	5.60	7.60
SIL04			25	20.08	68.4	0.18	5.40	8.30
SIL04			32	14.10	68.9	0.27	5.20	9.20
SIL04			40	11.02	72.1	0.44	5.00	10.30
SIL04			50	9.64	76.8	0.62	4.70	11.50
SIL04			63	6.37	79.8	0.98	4.30	13.00
SIL04			80	2.63	82.6	1.42	3.70	14.80
SIL04			100	-0.85	86.0	2.22	3.00	16.80
SIL04			125	-4.95	89.3	3.37	1.80	18.80
SIL04			160	-14.54	88.2	5.06	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			200	-19.15	90.0	7.28	0.00	22.80
SIL05	9 760	9 761						
SIL05			20	21.03	63.3	0.00	5.60	7.60
SIL05			25	19.23	68.4	0.20	5.40	8.30
SIL05			32	13.25	68.9	0.29	5.20	9.20
SIL05			40	10.14	72.1	0.49	5.00	10.30
SIL05			50	8.75	76.8	0.68	4.70	11.50
SIL05			63	5.44	79.8	1.07	4.30	13.00
SIL05			80	1.66	82.6	1.56	3.70	14.80
SIL05			100	-1.90	86.0	2.44	3.00	16.80
SIL05			125	-6.11	89.3	3.71	1.80	18.80
SIL05			160	-15.87	88.2	5.56	0.00	21.10
SIL05			200	-20.71	90.0	8.00	0.00	22.80
SIL06	9 378	9 380						
SIL06			20	21.38	63.3	0.00	5.60	7.60
SIL06			25	19.59	68.4	0.19	5.40	8.30
SIL06			32	13.60	68.9	0.28	5.20	9.20
SIL06			40	10.51	72.1	0.47	5.00	10.30
SIL06			50	9.12	76.8	0.66	4.70	11.50
SIL06			63	5.83	79.8	1.03	4.30	13.00
SIL06			80	2.07	82.6	1.50	3.70	14.80
SIL06			100	-1.46	86.0	2.34	3.00	16.80
SIL06			125	-5.62	89.3	3.56	1.80	18.80
SIL06			160	-15.31	88.2	5.35	0.00	21.10
SIL06			200	-20.05	90.0	7.69	0.00	22.80
SIL07	8 819	8 820						
SIL07			20	21.91	63.3	0.00	5.60	7.60
SIL07			25	20.13	68.4	0.18	5.40	8.30
SIL07			32	14.15	68.9	0.26	5.20	9.20
SIL07			40	11.07	72.1	0.44	5.00	10.30
SIL07			50	9.70	76.8	0.62	4.70	11.50
SIL07			63	6.43	79.8	0.97	4.30	13.00
SIL07			80	2.69	82.6	1.41	3.70	14.80
SIL07			100	-0.79	86.0	2.21	3.00	16.80
SIL07			125	-4.87	89.3	3.35	1.80	18.80
SIL07			160	-14.45	88.2	5.03	0.00	21.10
SIL07			200	-19.05	90.0	7.23	0.00	22.80
SIL08	9 178	9 180						
SIL08			20	21.57	63.3	0.00	5.60	7.60
SIL08			25	19.78	68.4	0.18	5.40	8.30
SIL08			32	13.80	68.9	0.28	5.20	9.20
SIL08			40	10.71	72.1	0.46	5.00	10.30
SIL08			50	9.32	76.8	0.64	4.70	11.50
SIL08			63	6.04	79.8	1.01	4.30	13.00
SIL08			80	2.29	82.6	1.47	3.70	14.80
SIL08			100	-1.22	86.0	2.29	3.00	16.80
SIL08			125	-5.36	89.3	3.49	1.80	18.80
SIL08			160	-15.01	88.2	5.23	0.00	21.10
SIL08			200	-19.70	90.0	7.53	0.00	22.80
Sum								
Sum			20	46.52				
Sum			25	44.06				
Sum			32	42.82				
Sum			40	40.63				
Sum			50	39.52				
Sum			63	35.76				
Sum			80	32.52				
Sum			100	29.97				
Sum			125	23.61				
Sum			160	17.65				
Sum			200	13.78				

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Noise sensitive area: AD Noise sensitive point: Finnish normal frequency - User defined (45)

Wind speed: 8.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 842	3 847						
KAR01			20	29.70	63.9	0.00	5.60	7.60
KAR01			25	26.82	67.8	0.08	5.40	8.30
KAR01			32	25.88	73.3	0.12	5.20	9.20
KAR01			40	23.30	76.9	0.19	5.00	10.30
KAR01			50	22.43	82.0	0.27	4.70	11.50
KAR01			63	17.67	83.3	0.42	4.30	13.00
KAR01			80	14.18	86.1	0.62	3.70	14.80
KAR01			100	12.44	90.8	0.96	3.00	16.80
KAR01			125	4.24	89.3	1.46	1.80	18.80
KAR01			160	-2.00	90.6	2.19	0.00	21.10
KAR01			200	-5.86	91.9	3.15	0.00	22.80
KAR02	3 543	3 548						
KAR02			20	30.40	63.9	0.00	5.60	7.60
KAR02			25	27.53	67.8	0.07	5.40	8.30
KAR02			32	26.59	73.3	0.11	5.20	9.20
KAR02			40	24.02	76.9	0.18	5.00	10.30
KAR02			50	23.15	82.0	0.25	4.70	11.50
KAR02			63	18.41	83.3	0.39	4.30	13.00
KAR02			80	14.93	86.1	0.57	3.70	14.80
KAR02			100	13.21	90.8	0.89	3.00	16.80
KAR02			125	5.05	89.3	1.35	1.80	18.80
KAR02			160	-1.12	90.6	2.02	0.00	21.10
KAR02			200	-4.91	91.9	2.91	0.00	22.80
KAR03	3 984	3 989						
KAR03			20	29.38	63.9	0.00	5.60	7.60
KAR03			25	26.50	67.8	0.08	5.40	8.30
KAR03			32	25.56	73.3	0.12	5.20	9.20
KAR03			40	22.98	76.9	0.20	5.00	10.30
KAR03			50	22.10	82.0	0.28	4.70	11.50
KAR03			63	17.34	83.3	0.44	4.30	13.00
KAR03			80	13.84	86.1	0.64	3.70	14.80
KAR03			100	12.09	90.8	1.00	3.00	16.80
KAR03			125	3.87	89.3	1.52	1.80	18.80
KAR03			160	-2.39	90.6	2.27	0.00	21.10
KAR03			200	-6.29	91.9	3.27	0.00	22.80
KAR04	4 600	4 604						
KAR04			20	28.14	63.9	0.00	5.60	7.60
KAR04			25	25.24	67.8	0.09	5.40	8.30
KAR04			32	24.30	73.3	0.14	5.20	9.20
KAR04			40	21.71	76.9	0.23	5.00	10.30
KAR04			50	20.81	82.0	0.32	4.70	11.50
KAR04			63	16.03	83.3	0.51	4.30	13.00
KAR04			80	12.50	86.1	0.74	3.70	14.80
KAR04			100	10.69	90.8	1.15	3.00	16.80
KAR04			125	2.39	89.3	1.75	1.80	18.80
KAR04			160	-3.99	90.6	2.62	0.00	21.10
KAR04			200	-8.04	91.9	3.78	0.00	22.80
KAR05	5 209	5 213						
KAR05			20	27.06	63.9	0.00	5.60	7.60
KAR05			25	24.15	67.8	0.10	5.40	8.30
KAR05			32	23.20	73.3	0.16	5.20	9.20
KAR05			40	20.60	76.9	0.26	5.00	10.30
KAR05			50	19.69	82.0	0.36	4.70	11.50
KAR05			63	14.88	83.3	0.57	4.30	13.00
KAR05			80	11.32	86.1	0.83	3.70	14.80
KAR05			100	9.45	90.8	1.30	3.00	16.80
KAR05			125	1.08	89.3	1.98	1.80	18.80
KAR05			160	-5.41	90.6	2.97	0.00	21.10
KAR05			200	-9.62	91.9	4.27	0.00	22.80
KAR06	4 466	4 471						
KAR06			20	28.39	63.9	0.00	5.60	7.60
KAR06			25	25.50	67.8	0.09	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			32	24.56	73.3	0.13	5.20	9.20
KAR06			40	21.97	76.9	0.22	5.00	10.30
KAR06			50	21.08	82.0	0.31	4.70	11.50
KAR06			63	16.30	83.3	0.49	4.30	13.00
KAR06			80	12.78	86.1	0.72	3.70	14.80
KAR06			100	10.97	90.8	1.12	3.00	16.80
KAR06			125	2.69	89.3	1.70	1.80	18.80
KAR06			160	-3.66	90.6	2.55	0.00	21.10
KAR06			200	-7.67	91.9	3.67	0.00	22.80
KAR07	4 239	4 243						
KAR07			20	28.85	63.9	0.00	5.60	7.60
KAR07			25	25.96	67.8	0.08	5.40	8.30
KAR07			32	25.02	73.3	0.13	5.20	9.20
KAR07			40	22.44	76.9	0.21	5.00	10.30
KAR07			50	21.55	82.0	0.30	4.70	11.50
KAR07			63	16.78	83.3	0.47	4.30	13.00
KAR07			80	13.27	86.1	0.68	3.70	14.80
KAR07			100	11.49	90.8	1.06	3.00	16.80
KAR07			125	3.24	89.3	1.61	1.80	18.80
KAR07			160	-3.07	90.6	2.42	0.00	21.10
KAR07			200	-7.03	91.9	3.48	0.00	22.80
KAR08	4 216	4 220						
KAR08			20	28.89	63.9	0.00	5.60	7.60
KAR08			25	26.01	67.8	0.08	5.40	8.30
KAR08			32	25.07	73.3	0.13	5.20	9.20
KAR08			40	22.48	76.9	0.21	5.00	10.30
KAR08			50	21.60	82.0	0.30	4.70	11.50
KAR08			63	16.83	83.3	0.46	4.30	13.00
KAR08			80	13.32	86.1	0.68	3.70	14.80
KAR08			100	11.54	90.8	1.05	3.00	16.80
KAR08			125	3.29	89.3	1.60	1.80	18.80
KAR08			160	-3.01	90.6	2.41	0.00	21.10
KAR08			200	-6.97	91.9	3.46	0.00	22.80
KAR09	5 627	5 631						
KAR09			20	26.39	63.9	0.00	5.60	7.60
KAR09			25	23.48	67.8	0.11	5.40	8.30
KAR09			32	22.52	73.3	0.17	5.20	9.20
KAR09			40	19.91	76.9	0.28	5.00	10.30
KAR09			50	18.99	82.0	0.39	4.70	11.50
KAR09			63	14.17	83.3	0.62	4.30	13.00
KAR09			80	10.59	86.1	0.90	3.70	14.80
KAR09			100	8.68	90.8	1.41	3.00	16.80
KAR09			125	0.25	89.3	2.14	1.80	18.80
KAR09			160	-6.32	90.6	3.21	0.00	21.10
KAR09			200	-10.63	91.9	4.62	0.00	22.80
KAR10	5 242	5 246						
KAR10			20	27.00	63.9	0.00	5.60	7.60
KAR10			25	24.10	67.8	0.10	5.40	8.30
KAR10			32	23.15	73.3	0.16	5.20	9.20
KAR10			40	20.54	76.9	0.26	5.00	10.30
KAR10			50	19.64	82.0	0.37	4.70	11.50
KAR10			63	14.83	83.3	0.58	4.30	13.00
KAR10			80	11.26	86.1	0.84	3.70	14.80
KAR10			100	9.39	90.8	1.31	3.00	16.80
KAR10			125	1.01	89.3	1.99	1.80	18.80
KAR10			160	-5.49	90.6	2.99	0.00	21.10
KAR10			200	-9.70	91.9	4.30	0.00	22.80
KAR11	4 922	4 926						
KAR11			20	27.55	63.9	0.00	5.60	7.60
KAR11			25	24.65	67.8	0.10	5.40	8.30
KAR11			32	23.70	73.3	0.15	5.20	9.20
KAR11			40	21.10	76.9	0.25	5.00	10.30
KAR11			50	20.21	82.0	0.34	4.70	11.50
KAR11			63	15.41	83.3	0.54	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			80	11.86	86.1	0.79	3.70	14.80
KAR11			100	10.02	90.8	1.23	3.00	16.80
KAR11			125	1.68	89.3	1.87	1.80	18.80
KAR11			160	-4.76	90.6	2.81	0.00	21.10
KAR11			200	-8.89	91.9	4.04	0.00	22.80
KAR12	5 698	5 701						
KAR12			20	26.28	63.9	0.00	5.60	7.60
KAR12			25	23.37	67.8	0.11	5.40	8.30
KAR12			32	22.41	73.3	0.17	5.20	9.20
KAR12			40	19.80	76.9	0.29	5.00	10.30
KAR12			50	18.88	82.0	0.40	4.70	11.50
KAR12			63	14.05	83.3	0.63	4.30	13.00
KAR12			80	10.47	86.1	0.91	3.70	14.80
KAR12			100	8.56	90.8	1.43	3.00	16.80
KAR12			125	0.11	89.3	2.17	1.80	18.80
KAR12			160	-6.47	90.6	3.25	0.00	21.10
KAR12			200	-10.79	91.9	4.68	0.00	22.80
KAR13	5 263	5 267						
KAR13			20	26.97	63.9	0.00	5.60	7.60
KAR13			25	24.06	67.8	0.11	5.40	8.30
KAR13			32	23.11	73.3	0.16	5.20	9.20
KAR13			40	20.51	76.9	0.26	5.00	10.30
KAR13			50	19.60	82.0	0.37	4.70	11.50
KAR13			63	14.79	83.3	0.58	4.30	13.00
KAR13			80	11.23	86.1	0.84	3.70	14.80
KAR13			100	9.35	90.8	1.32	3.00	16.80
KAR13			125	0.97	89.3	2.00	1.80	18.80
KAR13			160	-5.53	90.6	3.00	0.00	21.10
KAR13			200	-9.75	91.9	4.32	0.00	22.80
KAR14	6 143	6 146						
KAR14			20	25.63	63.9	0.00	5.60	7.60
KAR14			25	22.70	67.8	0.12	5.40	8.30
KAR14			32	21.74	73.3	0.18	5.20	9.20
KAR14			40	19.12	76.9	0.31	5.00	10.30
KAR14			50	18.20	82.0	0.43	4.70	11.50
KAR14			63	13.35	83.3	0.68	4.30	13.00
KAR14			80	9.74	86.1	0.98	3.70	14.80
KAR14			100	7.79	90.8	1.54	3.00	16.80
KAR14			125	-0.71	89.3	2.34	1.80	18.80
KAR14			160	-7.38	90.6	3.50	0.00	21.10
KAR14			200	-11.81	91.9	5.04	0.00	22.80
KAR15	5 201	5 204						
KAR15			20	27.07	63.9	0.00	5.60	7.60
KAR15			25	24.17	67.8	0.10	5.40	8.30
KAR15			32	23.22	73.3	0.16	5.20	9.20
KAR15			40	20.61	76.9	0.26	5.00	10.30
KAR15			50	19.71	82.0	0.36	4.70	11.50
KAR15			63	14.90	83.3	0.57	4.30	13.00
KAR15			80	11.34	86.1	0.83	3.70	14.80
KAR15			100	9.47	90.8	1.30	3.00	16.80
KAR15			125	1.10	89.3	1.98	1.80	18.80
KAR15			160	-5.39	90.6	2.97	0.00	21.10
KAR15			200	-9.59	91.9	4.27	0.00	22.80
KAR16	6 368	6 371						
KAR16			20	25.32	63.9	0.00	5.60	7.60
KAR16			25	22.39	67.8	0.13	5.40	8.30
KAR16			32	21.43	73.3	0.19	5.20	9.20
KAR16			40	18.80	76.9	0.32	5.00	10.30
KAR16			50	17.87	82.0	0.45	4.70	11.50
KAR16			63	13.02	83.3	0.70	4.30	13.00
KAR16			80	9.40	86.1	1.02	3.70	14.80
KAR16			100	7.42	90.8	1.59	3.00	16.80
KAR16			125	-1.10	89.3	2.42	1.80	18.80
KAR16			160	-7.82	90.6	3.63	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			200	-12.31	91.9	5.22	0.00	22.80
KAR17	6 207	6 210						
KAR17			20	25.54	63.9	0.00	5.60	7.60
KAR17			25	22.61	67.8	0.12	5.40	8.30
KAR17			32	21.65	73.3	0.19	5.20	9.20
KAR17			40	19.03	76.9	0.31	5.00	10.30
KAR17			50	18.10	82.0	0.43	4.70	11.50
KAR17			63	13.25	83.3	0.68	4.30	13.00
KAR17			80	9.64	86.1	0.99	3.70	14.80
KAR17			100	7.69	90.8	1.55	3.00	16.80
KAR17			125	-0.82	89.3	2.36	1.80	18.80
KAR17			160	-7.50	90.6	3.54	0.00	21.10
KAR17			200	-11.95	91.9	5.09	0.00	22.80
KAR18	6 863	6 866						
KAR18			20	24.67	63.9	0.00	5.60	7.60
KAR18			25	21.73	67.8	0.14	5.40	8.30
KAR18			32	20.76	73.3	0.21	5.20	9.20
KAR18			40	18.12	76.9	0.34	5.00	10.30
KAR18			50	17.19	82.0	0.48	4.70	11.50
KAR18			63	12.31	83.3	0.76	4.30	13.00
KAR18			80	8.67	86.1	1.10	3.70	14.80
KAR18			100	6.65	90.8	1.72	3.00	16.80
KAR18			125	-1.94	89.3	2.61	1.80	18.80
KAR18			160	-8.75	90.6	3.91	0.00	21.10
KAR18			200	-13.36	91.9	5.63	0.00	22.80
KAR19	5 928	5 931						
KAR19			20	25.94	63.9	0.00	5.60	7.60
KAR19			25	23.02	67.8	0.12	5.40	8.30
KAR19			32	22.06	73.3	0.18	5.20	9.20
KAR19			40	19.44	76.9	0.30	5.00	10.30
KAR19			50	18.52	82.0	0.42	4.70	11.50
KAR19			63	13.68	83.3	0.65	4.30	13.00
KAR19			80	10.09	86.1	0.95	3.70	14.80
KAR19			100	8.15	90.8	1.48	3.00	16.80
KAR19			125	-0.32	89.3	2.25	1.80	18.80
KAR19			160	-6.94	90.6	3.38	0.00	21.10
KAR19			200	-11.33	91.9	4.86	0.00	22.80
KAR20	6 856	6 859						
KAR20			20	24.68	63.9	0.00	5.60	7.60
KAR20			25	21.74	67.8	0.14	5.40	8.30
KAR20			32	20.77	73.3	0.21	5.20	9.20
KAR20			40	18.13	76.9	0.34	5.00	10.30
KAR20			50	17.19	82.0	0.48	4.70	11.50
KAR20			63	12.32	83.3	0.75	4.30	13.00
KAR20			80	8.68	86.1	1.10	3.70	14.80
KAR20			100	6.66	90.8	1.71	3.00	16.80
KAR20			125	-1.93	89.3	2.61	1.80	18.80
KAR20			160	-8.73	90.6	3.91	0.00	21.10
KAR20			200	-13.35	91.9	5.62	0.00	22.80
KAR21	6 596	6 599						
KAR21			20	25.01	63.9	0.00	5.60	7.60
KAR21			25	22.08	67.8	0.13	5.40	8.30
KAR21			32	21.11	73.3	0.20	5.20	9.20
KAR21			40	18.48	76.9	0.33	5.00	10.30
KAR21			50	17.55	82.0	0.46	4.70	11.50
KAR21			63	12.69	83.3	0.73	4.30	13.00
KAR21			80	9.06	86.1	1.06	3.70	14.80
KAR21			100	7.06	90.8	1.65	3.00	16.80
KAR21			125	-1.50	89.3	2.51	1.80	18.80
KAR21			160	-8.25	90.6	3.76	0.00	21.10
KAR21			200	-12.80	91.9	5.41	0.00	22.80
KAR22	6 619	6 622						
KAR22			20	24.98	63.9	0.00	5.60	7.60
KAR22			25	22.05	67.8	0.13	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			32	21.08	73.3	0.20	5.20	9.20
KAR22			40	18.45	76.9	0.33	5.00	10.30
KAR22			50	17.52	82.0	0.46	4.70	11.50
KAR22			63	12.65	83.3	0.73	4.30	13.00
KAR22			80	9.02	86.1	1.06	3.70	14.80
KAR22			100	7.02	90.8	1.66	3.00	16.80
KAR22			125	-1.54	89.3	2.52	1.80	18.80
KAR22			160	-8.29	90.6	3.77	0.00	21.10
KAR22			200	-12.85	91.9	5.43	0.00	22.80
KAR23	7 191	7 194						
KAR23			20	24.26	63.9	0.00	5.60	7.60
KAR23			25	21.32	67.8	0.14	5.40	8.30
KAR23			32	20.34	73.3	0.22	5.20	9.20
KAR23			40	17.70	76.9	0.36	5.00	10.30
KAR23			50	16.76	82.0	0.50	4.70	11.50
KAR23			63	11.87	83.3	0.79	4.30	13.00
KAR23			80	8.21	86.1	1.15	3.70	14.80
KAR23			100	6.16	90.8	1.80	3.00	16.80
KAR23			125	-2.47	89.3	2.73	1.80	18.80
KAR23			160	-9.34	90.6	4.10	0.00	21.10
KAR23			200	-14.04	91.9	5.90	0.00	22.80
KAR24	4 246	4 250						
KAR24			20	28.83	63.9	0.00	5.60	7.60
KAR24			25	25.95	67.8	0.09	5.40	8.30
KAR24			32	25.00	73.3	0.13	5.20	9.20
KAR24			40	22.42	76.9	0.21	5.00	10.30
KAR24			50	21.53	82.0	0.30	4.70	11.50
KAR24			63	16.76	83.3	0.47	4.30	13.00
KAR24			80	13.25	86.1	0.68	3.70	14.80
KAR24			100	11.47	90.8	1.06	3.00	16.80
KAR24			125	3.22	89.3	1.62	1.80	18.80
KAR24			160	-3.09	90.6	2.42	0.00	21.10
KAR24			200	-7.05	91.9	3.49	0.00	22.80
KAR25	3 202	3 208						
KAR25			20	31.28	63.9	0.00	5.60	7.60
KAR25			25	28.41	67.8	0.06	5.40	8.30
KAR25			32	27.48	73.3	0.10	5.20	9.20
KAR25			40	24.92	76.9	0.16	5.00	10.30
KAR25			50	24.05	82.0	0.22	4.70	11.50
KAR25			63	19.32	83.3	0.35	4.30	13.00
KAR25			80	15.86	86.1	0.51	3.70	14.80
KAR25			100	14.17	90.8	0.80	3.00	16.80
KAR25			125	6.06	89.3	1.22	1.80	18.80
KAR25			160	-0.05	90.6	1.83	0.00	21.10
KAR25			200	-3.75	91.9	2.63	0.00	22.80
MAA01	2 068	2 073						
MAA01			20	35.07	63.9	0.00	5.60	7.60
MAA01			25	32.23	67.8	0.04	5.40	8.30
MAA01			32	31.31	73.3	0.06	5.20	9.20
MAA01			40	28.76	76.9	0.10	5.00	10.30
MAA01			50	27.92	82.0	0.15	4.70	11.50
MAA01			63	23.24	83.3	0.23	4.30	13.00
MAA01			80	19.84	86.1	0.33	3.70	14.80
MAA01			100	18.25	90.8	0.52	3.00	16.80
MAA01			125	10.28	89.3	0.79	1.80	18.80
MAA01			160	4.39	90.6	1.18	0.00	21.10
MAA01			200	0.97	91.9	1.70	0.00	22.80
MAA03	2 243	2 248						
MAA03			20	34.36	63.9	0.00	5.60	7.60
MAA03			25	31.52	67.8	0.04	5.40	8.30
MAA03			32	30.60	73.3	0.07	5.20	9.20
MAA03			40	28.05	76.9	0.11	5.00	10.30
MAA03			50	27.21	82.0	0.16	4.70	11.50
MAA03			63	22.52	83.3	0.25	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			80	19.10	86.1	0.36	3.70	14.80
MAA03			100	17.50	90.8	0.56	3.00	16.80
MAA03			125	9.51	89.3	0.85	1.80	18.80
MAA03			160	3.58	90.6	1.28	0.00	21.10
MAA03			200	0.12	91.9	1.84	0.00	22.80
MAA04	1 664	1 671						
MAA04			20	36.94	63.9	0.00	5.60	7.60
MAA04			25	34.11	67.8	0.03	5.40	8.30
MAA04			32	33.19	73.3	0.05	5.20	9.20
MAA04			40	30.66	76.9	0.08	5.00	10.30
MAA04			50	29.82	82.0	0.12	4.70	11.50
MAA04			63	25.16	83.3	0.18	4.30	13.00
MAA04			80	21.77	86.1	0.27	3.70	14.80
MAA04			100	20.22	90.8	0.42	3.00	16.80
MAA04			125	12.31	89.3	0.63	1.80	18.80
MAA04			160	6.49	90.6	0.95	0.00	21.10
MAA04			200	3.17	91.9	1.37	0.00	22.80
MAA05	2 520	2 524						
MAA05			20	33.36	63.9	0.00	5.60	7.60
MAA05			25	30.51	67.8	0.05	5.40	8.30
MAA05			32	29.58	73.3	0.08	5.20	9.20
MAA05			40	27.03	76.9	0.13	5.00	10.30
MAA05			50	26.18	82.0	0.18	4.70	11.50
MAA05			63	21.48	83.3	0.28	4.30	13.00
MAA05			80	18.06	86.1	0.40	3.70	14.80
MAA05			100	16.43	90.8	0.63	3.00	16.80
MAA05			125	8.40	89.3	0.96	1.80	18.80
MAA05			160	2.42	90.6	1.44	0.00	21.10
MAA05			200	-1.11	91.9	2.07	0.00	22.80
MAA06	3 077	3 080						
MAA06			20	31.63	63.9	0.00	5.60	7.60
MAA06			25	28.77	67.8	0.06	5.40	8.30
MAA06			32	27.84	73.3	0.09	5.20	9.20
MAA06			40	25.28	76.9	0.15	5.00	10.30
MAA06			50	24.41	82.0	0.22	4.70	11.50
MAA06			63	19.69	83.3	0.34	4.30	13.00
MAA06			80	16.24	86.1	0.49	3.70	14.80
MAA06			100	14.56	90.8	0.77	3.00	16.80
MAA06			125	6.46	89.3	1.17	1.80	18.80
MAA06			160	0.37	90.6	1.76	0.00	21.10
MAA06			200	-3.30	91.9	2.53	0.00	22.80
MAA07	3 264	3 267						
MAA07			20	31.12	63.9	0.00	5.60	7.60
MAA07			25	28.25	67.8	0.07	5.40	8.30
MAA07			32	27.32	73.3	0.10	5.20	9.20
MAA07			40	24.75	76.9	0.16	5.00	10.30
MAA07			50	23.89	82.0	0.23	4.70	11.50
MAA07			63	19.16	83.3	0.36	4.30	13.00
MAA07			80	15.69	86.1	0.52	3.70	14.80
MAA07			100	14.00	90.8	0.82	3.00	16.80
MAA07			125	5.88	89.3	1.24	1.80	18.80
MAA07			160	-0.24	90.6	1.86	0.00	21.10
MAA07			200	-3.96	91.9	2.68	0.00	22.80
MAA08	3 427	3 431						
MAA08			20	30.69	63.9	0.00	5.60	7.60
MAA08			25	27.82	67.8	0.07	5.40	8.30
MAA08			32	26.89	73.3	0.10	5.20	9.20
MAA08			40	24.32	76.9	0.17	5.00	10.30
MAA08			50	23.45	82.0	0.24	4.70	11.50
MAA08			63	18.72	83.3	0.38	4.30	13.00
MAA08			80	15.24	86.1	0.55	3.70	14.80
MAA08			100	13.54	90.8	0.86	3.00	16.80
MAA08			125	5.39	89.3	1.30	1.80	18.80
MAA08			160	-0.76	90.6	1.96	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			200	-4.52	91.9	2.81	0.00	22.80
RAH01	3 757	3 760						
RAH01			20	28.05	62.0	0.00	5.60	7.60
RAH01			25	26.47	67.2	0.08	5.40	8.30
RAH01			32	24.83	72.0	0.11	5.20	9.20
RAH01			40	23.43	76.8	0.19	5.00	10.30
RAH01			50	21.86	81.2	0.26	4.70	11.50
RAH01			63	19.61	85.0	0.41	4.30	13.00
RAH01			80	16.62	88.3	0.60	3.70	14.80
RAH01			100	12.96	91.1	0.94	3.00	16.80
RAH01			125	8.47	93.3	1.43	1.80	18.80
RAH01			160	2.63	95.0	2.14	0.00	21.10
RAH01			200	-1.39	96.1	3.08	0.00	22.80
RAH02	3 717	3 720						
RAH02			20	28.14	62.0	0.00	5.60	7.60
RAH02			25	26.56	67.2	0.07	5.40	8.30
RAH02			32	24.93	72.0	0.11	5.20	9.20
RAH02			40	23.53	76.8	0.19	5.00	10.30
RAH02			50	21.95	81.2	0.26	4.70	11.50
RAH02			63	19.70	85.0	0.41	4.30	13.00
RAH02			80	16.72	88.3	0.60	3.70	14.80
RAH02			100	13.06	91.1	0.93	3.00	16.80
RAH02			125	8.58	93.3	1.41	1.80	18.80
RAH02			160	2.74	95.0	2.12	0.00	21.10
RAH02			200	-1.26	96.1	3.05	0.00	22.80
RAH03	3 107	3 110						
RAH03			20	29.69	62.0	0.00	5.60	7.60
RAH03			25	28.13	67.2	0.06	5.40	8.30
RAH03			32	26.50	72.0	0.09	5.20	9.20
RAH03			40	25.11	76.8	0.16	5.00	10.30
RAH03			50	23.55	81.2	0.22	4.70	11.50
RAH03			63	21.33	85.0	0.34	4.30	13.00
RAH03			80	18.37	88.3	0.50	3.70	14.80
RAH03			100	14.77	91.1	0.78	3.00	16.80
RAH03			125	10.36	93.3	1.18	1.80	18.80
RAH03			160	4.65	95.0	1.77	0.00	21.10
RAH03			200	0.79	96.1	2.55	0.00	22.80
RAH04	3 686	3 689						
RAH04			20	28.21	62.0	0.00	5.60	7.60
RAH04			25	26.64	67.2	0.07	5.40	8.30
RAH04			32	25.00	72.0	0.11	5.20	9.20
RAH04			40	23.60	76.8	0.18	5.00	10.30
RAH04			50	22.03	81.2	0.26	4.70	11.50
RAH04			63	19.78	85.0	0.41	4.30	13.00
RAH04			80	16.80	88.3	0.59	3.70	14.80
RAH04			100	13.14	91.1	0.92	3.00	16.80
RAH04			125	8.66	93.3	1.40	1.80	18.80
RAH04			160	2.84	95.0	2.10	0.00	21.10
RAH04			200	-1.16	96.1	3.02	0.00	22.80
RAH05	2 882	2 886						
RAH05			20	30.34	62.0	0.00	5.60	7.60
RAH05			25	28.79	67.2	0.06	5.40	8.30
RAH05			32	27.16	72.0	0.09	5.20	9.20
RAH05			40	25.77	76.8	0.14	5.00	10.30
RAH05			50	24.22	81.2	0.20	4.70	11.50
RAH05			63	22.00	85.0	0.32	4.30	13.00
RAH05			80	19.06	88.3	0.46	3.70	14.80
RAH05			100	15.47	91.1	0.72	3.00	16.80
RAH05			125	11.10	93.3	1.10	1.80	18.80
RAH05			160	5.43	95.0	1.64	0.00	21.10
RAH05			200	1.63	96.1	2.37	0.00	22.80
RAH06	3 102	3 106						
RAH06			20	29.70	62.0	0.00	5.60	7.60
RAH06			25	28.14	67.2	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			32	26.51	72.0	0.09	5.20	9.20
RAH06			40	25.12	76.8	0.16	5.00	10.30
RAH06			50	23.56	81.2	0.22	4.70	11.50
RAH06			63	21.34	85.0	0.34	4.30	13.00
RAH06			80	18.38	88.3	0.50	3.70	14.80
RAH06			100	14.78	91.1	0.78	3.00	16.80
RAH06			125	10.38	93.3	1.18	1.80	18.80
RAH06			160	4.66	95.0	1.77	0.00	21.10
RAH06			200	0.81	96.1	2.55	0.00	22.80
RAH07	4 653	4 656						
RAH07			20	26.19	62.0	0.00	5.60	7.60
RAH07			25	24.60	67.2	0.09	5.40	8.30
RAH07			32	22.95	72.0	0.14	5.20	9.20
RAH07			40	21.53	76.8	0.23	5.00	10.30
RAH07			50	19.94	81.2	0.33	4.70	11.50
RAH07			63	17.65	85.0	0.51	4.30	13.00
RAH07			80	14.62	88.3	0.74	3.70	14.80
RAH07			100	10.88	91.1	1.16	3.00	16.80
RAH07			125	6.27	93.3	1.77	1.80	18.80
RAH07			160	0.26	95.0	2.65	0.00	21.10
RAH07			200	-3.98	96.1	3.82	0.00	22.80
RAH08	4 806	4 809						
RAH08			20	25.91	62.0	0.00	5.60	7.60
RAH08			25	24.31	67.2	0.10	5.40	8.30
RAH08			32	22.66	72.0	0.14	5.20	9.20
RAH08			40	21.24	76.8	0.24	5.00	10.30
RAH08			50	19.65	81.2	0.34	4.70	11.50
RAH08			63	17.35	85.0	0.53	4.30	13.00
RAH08			80	14.31	88.3	0.77	3.70	14.80
RAH08			100	10.56	91.1	1.20	3.00	16.80
RAH08			125	5.93	93.3	1.83	1.80	18.80
RAH08			160	-0.11	95.0	2.74	0.00	21.10
RAH08			200	-4.38	96.1	3.94	0.00	22.80
RAH09	4 012	4 015						
RAH09			20	27.47	62.0	0.00	5.60	7.60
RAH09			25	25.89	67.2	0.08	5.40	8.30
RAH09			32	24.25	72.0	0.12	5.20	9.20
RAH09			40	22.85	76.8	0.20	5.00	10.30
RAH09			50	21.27	81.2	0.28	4.70	11.50
RAH09			63	19.01	85.0	0.44	4.30	13.00
RAH09			80	16.01	88.3	0.64	3.70	14.80
RAH09			100	12.32	91.1	1.00	3.00	16.80
RAH09			125	7.80	93.3	1.53	1.80	18.80
RAH09			160	1.91	95.0	2.29	0.00	21.10
RAH09			200	-2.17	96.1	3.29	0.00	22.80
RAH10	4 460	4 462						
RAH10			20	26.56	62.0	0.00	5.60	7.60
RAH10			25	24.97	67.2	0.09	5.40	8.30
RAH10			32	23.32	72.0	0.13	5.20	9.20
RAH10			40	21.91	76.8	0.22	5.00	10.30
RAH10			50	20.32	81.2	0.31	4.70	11.50
RAH10			63	18.04	85.0	0.49	4.30	13.00
RAH10			80	15.02	88.3	0.71	3.70	14.80
RAH10			100	11.29	91.1	1.12	3.00	16.80
RAH10			125	6.71	93.3	1.70	1.80	18.80
RAH10			160	0.74	95.0	2.54	0.00	21.10
RAH10			200	-3.45	96.1	3.66	0.00	22.80
RAH11	3 461	3 465						
RAH11			20	28.76	62.0	0.00	5.60	7.60
RAH11			25	27.19	67.2	0.07	5.40	8.30
RAH11			32	25.55	72.0	0.10	5.20	9.20
RAH11			40	24.16	76.8	0.17	5.00	10.30
RAH11			50	22.59	81.2	0.24	4.70	11.50
RAH11			63	20.35	85.0	0.38	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			80	17.38	88.3	0.55	3.70	14.80
RAH11			100	13.74	91.1	0.87	3.00	16.80
RAH11			125	9.29	93.3	1.32	1.80	18.80
RAH11			160	3.51	95.0	1.97	0.00	21.10
RAH11			200	-0.43	96.1	2.84	0.00	22.80
RAH12	4 188	4 190						
RAH12			20	27.10	62.0	0.00	5.60	7.60
RAH12			25	25.52	67.2	0.08	5.40	8.30
RAH12			32	23.88	72.0	0.13	5.20	9.20
RAH12			40	22.47	76.8	0.21	5.00	10.30
RAH12			50	20.89	81.2	0.29	4.70	11.50
RAH12			63	18.62	85.0	0.46	4.30	13.00
RAH12			80	15.61	88.3	0.67	3.70	14.80
RAH12			100	11.91	91.1	1.05	3.00	16.80
RAH12			125	7.36	93.3	1.59	1.80	18.80
RAH12			160	1.44	95.0	2.39	0.00	21.10
RAH12			200	-2.68	96.1	3.44	0.00	22.80
RAH13	4 123	4 126						
RAH13			20	27.24	62.0	0.00	5.60	7.60
RAH13			25	25.66	67.2	0.08	5.40	8.30
RAH13			32	24.01	72.0	0.12	5.20	9.20
RAH13			40	22.61	76.8	0.21	5.00	10.30
RAH13			50	21.03	81.2	0.29	4.70	11.50
RAH13			63	18.76	85.0	0.45	4.30	13.00
RAH13			80	15.75	88.3	0.66	3.70	14.80
RAH13			100	12.06	91.1	1.03	3.00	16.80
RAH13			125	7.52	93.3	1.57	1.80	18.80
RAH13			160	1.61	95.0	2.35	0.00	21.10
RAH13			200	-2.49	96.1	3.38	0.00	22.80
RAH14	3 476	3 479						
RAH14			20	28.72	62.0	0.00	5.60	7.60
RAH14			25	27.15	67.2	0.07	5.40	8.30
RAH14			32	25.51	72.0	0.10	5.20	9.20
RAH14			40	24.12	76.8	0.17	5.00	10.30
RAH14			50	22.55	81.2	0.24	4.70	11.50
RAH14			63	20.31	85.0	0.38	4.30	13.00
RAH14			80	17.34	88.3	0.56	3.70	14.80
RAH14			100	13.70	91.1	0.87	3.00	16.80
RAH14			125	9.25	93.3	1.32	1.80	18.80
RAH14			160	3.46	95.0	1.98	0.00	21.10
RAH14			200	-0.48	96.1	2.85	0.00	22.80
RAH15	4 341	4 345						
RAH15			20	26.79	62.0	0.00	5.60	7.60
RAH15			25	25.20	67.2	0.09	5.40	8.30
RAH15			32	23.56	72.0	0.13	5.20	9.20
RAH15			40	22.15	76.8	0.22	5.00	10.30
RAH15			50	20.56	81.2	0.30	4.70	11.50
RAH15			63	18.29	85.0	0.48	4.30	13.00
RAH15			80	15.27	88.3	0.70	3.70	14.80
RAH15			100	11.56	91.1	1.09	3.00	16.80
RAH15			125	6.99	93.3	1.65	1.80	18.80
RAH15			160	1.04	95.0	2.48	0.00	21.10
RAH15			200	-3.12	96.1	3.56	0.00	22.80
RAH16	4 947	4 950						
RAH16			20	25.66	62.0	0.00	5.60	7.60
RAH16			25	24.06	67.2	0.10	5.40	8.30
RAH16			32	22.41	72.0	0.15	5.20	9.20
RAH16			40	20.98	76.8	0.25	5.00	10.30
RAH16			50	19.39	81.2	0.35	4.70	11.50
RAH16			63	17.09	85.0	0.54	4.30	13.00
RAH16			80	14.04	88.3	0.79	3.70	14.80
RAH16			100	10.27	91.1	1.24	3.00	16.80
RAH16			125	5.63	93.3	1.88	1.80	18.80
RAH16			160	-0.44	95.0	2.82	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			200	-4.75	96.1	4.06	0.00	22.80
RAH17	3 415	3 420						
RAH17			20	28.87	62.0	0.00	5.60	7.60
RAH17			25	27.30	67.2	0.07	5.40	8.30
RAH17			32	25.67	72.0	0.10	5.20	9.20
RAH17			40	24.27	76.8	0.17	5.00	10.30
RAH17			50	22.71	81.2	0.24	4.70	11.50
RAH17			63	20.47	85.0	0.38	4.30	13.00
RAH17			80	17.50	88.3	0.55	3.70	14.80
RAH17			100	13.87	91.1	0.85	3.00	16.80
RAH17			125	9.42	93.3	1.30	1.80	18.80
RAH17			160	3.65	95.0	1.95	0.00	21.10
RAH17			200	-0.28	96.1	2.80	0.00	22.80
RAH18	4 022	4 026						
RAH18			20	27.45	62.0	0.00	5.60	7.60
RAH18			25	25.87	67.2	0.08	5.40	8.30
RAH18			32	24.23	72.0	0.12	5.20	9.20
RAH18			40	22.83	76.8	0.20	5.00	10.30
RAH18			50	21.24	81.2	0.28	4.70	11.50
RAH18			63	18.98	85.0	0.44	4.30	13.00
RAH18			80	15.98	88.3	0.64	3.70	14.80
RAH18			100	12.30	91.1	1.01	3.00	16.80
RAH18			125	7.77	93.3	1.53	1.80	18.80
RAH18			160	1.88	95.0	2.29	0.00	21.10
RAH18			200	-2.20	96.1	3.30	0.00	22.80
RAH19	4 038	4 042						
RAH19			20	27.42	62.0	0.00	5.60	7.60
RAH19			25	25.83	67.2	0.08	5.40	8.30
RAH19			32	24.19	72.0	0.12	5.20	9.20
RAH19			40	22.79	76.8	0.20	5.00	10.30
RAH19			50	21.21	81.2	0.28	4.70	11.50
RAH19			63	18.95	85.0	0.44	4.30	13.00
RAH19			80	15.94	88.3	0.65	3.70	14.80
RAH19			100	12.26	91.1	1.01	3.00	16.80
RAH19			125	7.73	93.3	1.54	1.80	18.80
RAH19			160	1.84	95.0	2.30	0.00	21.10
RAH19			200	-2.25	96.1	3.31	0.00	22.80
SIL01	9 964	9 966						
SIL01			20	20.85	63.3	0.00	5.60	7.60
SIL01			25	19.05	68.4	0.20	5.40	8.30
SIL01			32	13.06	68.9	0.30	5.20	9.20
SIL01			40	9.95	72.1	0.50	5.00	10.30
SIL01			50	8.56	76.8	0.70	4.70	11.50
SIL01			63	5.24	79.8	1.10	4.30	13.00
SIL01			80	1.45	82.6	1.59	3.70	14.80
SIL01			100	-2.13	86.0	2.49	3.00	16.80
SIL01			125	-6.37	89.3	3.79	1.80	18.80
SIL01			160	-16.17	88.2	5.68	0.00	21.10
SIL01			200	-21.05	90.0	8.17	0.00	22.80
SIL02	9 454	9 455						
SIL02			20	21.31	63.3	0.00	5.60	7.60
SIL02			25	19.51	68.4	0.19	5.40	8.30
SIL02			32	13.53	68.9	0.28	5.20	9.20
SIL02			40	10.44	72.1	0.47	5.00	10.30
SIL02			50	9.05	76.8	0.66	4.70	11.50
SIL02			63	5.75	79.8	1.04	4.30	13.00
SIL02			80	1.99	82.6	1.51	3.70	14.80
SIL02			100	-1.55	86.0	2.36	3.00	16.80
SIL02			125	-5.72	89.3	3.59	1.80	18.80
SIL02			160	-15.42	88.2	5.39	0.00	21.10
SIL02			200	-20.18	90.0	7.75	0.00	22.80
SIL03	8 813	8 815						
SIL03			20	21.92	63.3	0.00	5.60	7.60
SIL03			25	20.14	68.4	0.18	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			32	14.16	68.9	0.26	5.20	9.20
SIL03			40	11.08	72.1	0.44	5.00	10.30
SIL03			50	9.70	76.8	0.62	4.70	11.50
SIL03			63	6.43	79.8	0.97	4.30	13.00
SIL03			80	2.70	82.6	1.41	3.70	14.80
SIL03			100	-0.78	86.0	2.20	3.00	16.80
SIL03			125	-4.87	89.3	3.35	1.80	18.80
SIL03			160	-14.45	88.2	5.02	0.00	21.10
SIL03			200	-19.04	90.0	7.23	0.00	22.80
SIL04	8 825	8 826						
SIL04			20	21.91	63.3	0.00	5.60	7.60
SIL04			25	20.13	68.4	0.18	5.40	8.30
SIL04			32	14.15	68.9	0.26	5.20	9.20
SIL04			40	11.07	72.1	0.44	5.00	10.30
SIL04			50	9.69	76.8	0.62	4.70	11.50
SIL04			63	6.42	79.8	0.97	4.30	13.00
SIL04			80	2.68	82.6	1.41	3.70	14.80
SIL04			100	-0.79	86.0	2.21	3.00	16.80
SIL04			125	-4.88	89.3	3.35	1.80	18.80
SIL04			160	-14.46	88.2	5.03	0.00	21.10
SIL04			200	-19.06	90.0	7.24	0.00	22.80
SIL05	9 716	9 717						
SIL05			20	21.07	63.3	0.00	5.60	7.60
SIL05			25	19.27	68.4	0.19	5.40	8.30
SIL05			32	13.29	68.9	0.29	5.20	9.20
SIL05			40	10.19	72.1	0.49	5.00	10.30
SIL05			50	8.79	76.8	0.68	4.70	11.50
SIL05			63	5.49	79.8	1.07	4.30	13.00
SIL05			80	1.71	82.6	1.55	3.70	14.80
SIL05			100	-1.85	86.0	2.43	3.00	16.80
SIL05			125	-6.05	89.3	3.69	1.80	18.80
SIL05			160	-15.81	88.2	5.54	0.00	21.10
SIL05			200	-20.63	90.0	7.97	0.00	22.80
SIL06	9 332	9 333						
SIL06			20	21.42	63.3	0.00	5.60	7.60
SIL06			25	19.63	68.4	0.19	5.40	8.30
SIL06			32	13.65	68.9	0.28	5.20	9.20
SIL06			40	10.56	72.1	0.47	5.00	10.30
SIL06			50	9.17	76.8	0.65	4.70	11.50
SIL06			63	5.88	79.8	1.03	4.30	13.00
SIL06			80	2.12	82.6	1.49	3.70	14.80
SIL06			100	-1.40	86.0	2.33	3.00	16.80
SIL06			125	-5.56	89.3	3.55	1.80	18.80
SIL06			160	-15.24	88.2	5.32	0.00	21.10
SIL06			200	-19.97	90.0	7.65	0.00	22.80
SIL07	8 773	8 775						
SIL07			20	21.96	63.3	0.00	5.60	7.60
SIL07			25	20.18	68.4	0.18	5.40	8.30
SIL07			32	14.20	68.9	0.26	5.20	9.20
SIL07			40	11.12	72.1	0.44	5.00	10.30
SIL07			50	9.74	76.8	0.61	4.70	11.50
SIL07			63	6.48	79.8	0.97	4.30	13.00
SIL07			80	2.74	82.6	1.40	3.70	14.80
SIL07			100	-0.73	86.0	2.19	3.00	16.80
SIL07			125	-4.81	89.3	3.33	1.80	18.80
SIL07			160	-14.38	88.2	5.00	0.00	21.10
SIL07			200	-18.97	90.0	7.20	0.00	22.80
SIL08	9 135	9 136						
SIL08			20	21.61	63.3	0.00	5.60	7.60
SIL08			25	19.82	68.4	0.18	5.40	8.30
SIL08			32	13.84	68.9	0.27	5.20	9.20
SIL08			40	10.75	72.1	0.46	5.00	10.30
SIL08			50	9.37	76.8	0.64	4.70	11.50
SIL08			63	6.09	79.8	1.00	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			80	2.33	82.6	1.46	3.70	14.80
SIL08			100	-1.17	86.0	2.28	3.00	16.80
SIL08			125	-5.30	89.3	3.47	1.80	18.80
SIL08			160	-14.94	88.2	5.21	0.00	21.10
SIL08			200	-19.62	90.0	7.49	0.00	22.80
Sum								
Sum			20	46.47				
Sum			25	44.02				
Sum			32	42.77				
Sum			40	40.58				
Sum			50	39.47				
Sum			63	35.72				
Sum			80	32.48				
Sum			100	29.92				
Sum			125	23.57				
Sum			160	17.60				
Sum			200	13.73				

Noise sensitive area: AE Noise sensitive point: Finnish normal frequency - User defined (46)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 829	3 834						
KAR01			20	29.73	63.9	0.00	5.60	7.60
KAR01			25	26.85	67.8	0.08	5.40	8.30
KAR01			32	25.91	73.3	0.12	5.20	9.20
KAR01			40	23.34	76.9	0.19	5.00	10.30
KAR01			50	22.46	82.0	0.27	4.70	11.50
KAR01			63	17.71	83.3	0.42	4.30	13.00
KAR01			80	14.21	86.1	0.61	3.70	14.80
KAR01			100	12.47	90.8	0.96	3.00	16.80
KAR01			125	4.27	89.3	1.46	1.80	18.80
KAR01			160	-1.96	90.6	2.19	0.00	21.10
KAR01			200	-5.82	91.9	3.14	0.00	22.80
KAR02	3 527	3 532						
KAR02			20	30.44	63.9	0.00	5.60	7.60
KAR02			25	27.57	67.8	0.07	5.40	8.30
KAR02			32	26.63	73.3	0.11	5.20	9.20
KAR02			40	24.06	76.9	0.18	5.00	10.30
KAR02			50	23.19	82.0	0.25	4.70	11.50
KAR02			63	18.45	83.3	0.39	4.30	13.00
KAR02			80	14.97	86.1	0.57	3.70	14.80
KAR02			100	13.26	90.8	0.88	3.00	16.80
KAR02			125	5.10	89.3	1.34	1.80	18.80
KAR02			160	-1.07	90.6	2.01	0.00	21.10
KAR02			200	-4.86	91.9	2.90	0.00	22.80
KAR03	3 969	3 974						
KAR03			20	29.42	63.9	0.00	5.60	7.60
KAR03			25	26.54	67.8	0.08	5.40	8.30
KAR03			32	25.60	73.3	0.12	5.20	9.20
KAR03			40	23.02	76.9	0.20	5.00	10.30
KAR03			50	22.14	82.0	0.28	4.70	11.50
KAR03			63	17.38	83.3	0.44	4.30	13.00
KAR03			80	13.88	86.1	0.64	3.70	14.80
KAR03			100	12.12	90.8	0.99	3.00	16.80
KAR03			125	3.91	89.3	1.51	1.80	18.80
KAR03			160	-2.35	90.6	2.27	0.00	21.10
KAR03			200	-6.24	91.9	3.26	0.00	22.80
KAR04	4 586	4 590						
KAR04			20	28.16	63.9	0.00	5.60	7.60
KAR04			25	25.27	67.8	0.09	5.40	8.30
KAR04			32	24.33	73.3	0.14	5.20	9.20
KAR04			40	21.73	76.9	0.23	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			50	20.84	82.0	0.32	4.70	11.50
KAR04			63	16.06	83.3	0.50	4.30	13.00
KAR04			80	12.53	86.1	0.73	3.70	14.80
KAR04			100	10.72	90.8	1.15	3.00	16.80
KAR04			125	2.42	89.3	1.74	1.80	18.80
KAR04			160	-3.95	90.6	2.62	0.00	21.10
KAR04			200	-8.00	91.9	3.76	0.00	22.80
KAR05	5 196	5 200						
KAR05			20	27.08	63.9	0.00	5.60	7.60
KAR05			25	24.18	67.8	0.10	5.40	8.30
KAR05			32	23.22	73.3	0.16	5.20	9.20
KAR05			40	20.62	76.9	0.26	5.00	10.30
KAR05			50	19.72	82.0	0.36	4.70	11.50
KAR05			63	14.91	83.3	0.57	4.30	13.00
KAR05			80	11.35	86.1	0.83	3.70	14.80
KAR05			100	9.48	90.8	1.30	3.00	16.80
KAR05			125	1.10	89.3	1.98	1.80	18.80
KAR05			160	-5.38	90.6	2.96	0.00	21.10
KAR05			200	-9.58	91.9	4.26	0.00	22.80
KAR06	4 450	4 455						
KAR06			20	28.42	63.9	0.00	5.60	7.60
KAR06			25	25.53	67.8	0.09	5.40	8.30
KAR06			32	24.59	73.3	0.13	5.20	9.20
KAR06			40	22.00	76.9	0.22	5.00	10.30
KAR06			50	21.11	82.0	0.31	4.70	11.50
KAR06			63	16.33	83.3	0.49	4.30	13.00
KAR06			80	12.81	86.1	0.71	3.70	14.80
KAR06			100	11.01	90.8	1.11	3.00	16.80
KAR06			125	2.73	89.3	1.69	1.80	18.80
KAR06			160	-3.62	90.6	2.54	0.00	21.10
KAR06			200	-7.63	91.9	3.65	0.00	22.80
KAR07	4 222	4 225						
KAR07			20	28.88	63.9	0.00	5.60	7.60
KAR07			25	26.00	67.8	0.08	5.40	8.30
KAR07			32	25.06	73.3	0.13	5.20	9.20
KAR07			40	22.47	76.9	0.21	5.00	10.30
KAR07			50	21.59	82.0	0.30	4.70	11.50
KAR07			63	16.82	83.3	0.46	4.30	13.00
KAR07			80	13.31	86.1	0.68	3.70	14.80
KAR07			100	11.53	90.8	1.06	3.00	16.80
KAR07			125	3.28	89.3	1.61	1.80	18.80
KAR07			160	-3.03	90.6	2.41	0.00	21.10
KAR07			200	-6.98	91.9	3.46	0.00	22.80
KAR08	4 198	4 202						
KAR08			20	28.93	63.9	0.00	5.60	7.60
KAR08			25	26.05	67.8	0.08	5.40	8.30
KAR08			32	25.10	73.3	0.13	5.20	9.20
KAR08			40	22.52	76.9	0.21	5.00	10.30
KAR08			50	21.64	82.0	0.29	4.70	11.50
KAR08			63	16.87	83.3	0.46	4.30	13.00
KAR08			80	13.36	86.1	0.67	3.70	14.80
KAR08			100	11.58	90.8	1.05	3.00	16.80
KAR08			125	3.33	89.3	1.60	1.80	18.80
KAR08			160	-2.96	90.6	2.40	0.00	21.10
KAR08			200	-6.91	91.9	3.45	0.00	22.80
KAR09	5 613	5 616						
KAR09			20	26.41	63.9	0.00	5.60	7.60
KAR09			25	23.50	67.8	0.11	5.40	8.30
KAR09			32	22.54	73.3	0.17	5.20	9.20
KAR09			40	19.93	76.9	0.28	5.00	10.30
KAR09			50	19.02	82.0	0.39	4.70	11.50
KAR09			63	14.19	83.3	0.62	4.30	13.00
KAR09			80	10.61	86.1	0.90	3.70	14.80
KAR09			100	8.71	90.8	1.40	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			125	0.28	89.3	2.13	1.80	18.80
KAR09			160	-6.29	90.6	3.20	0.00	21.10
KAR09			200	-10.59	91.9	4.61	0.00	22.80
KAR10	5 227	5 231						
KAR10			20	27.03	63.9	0.00	5.60	7.60
KAR10			25	24.12	67.8	0.10	5.40	8.30
KAR10			32	23.17	73.3	0.16	5.20	9.20
KAR10			40	20.57	76.9	0.26	5.00	10.30
KAR10			50	19.66	82.0	0.37	4.70	11.50
KAR10			63	14.85	83.3	0.58	4.30	13.00
KAR10			80	11.29	86.1	0.84	3.70	14.80
KAR10			100	9.42	90.8	1.31	3.00	16.80
KAR10			125	1.04	89.3	1.99	1.80	18.80
KAR10			160	-5.45	90.6	2.98	0.00	21.10
KAR10			200	-9.66	91.9	4.29	0.00	22.80
KAR11	4 906	4 909						
KAR11			20	27.58	63.9	0.00	5.60	7.60
KAR11			25	24.68	67.8	0.10	5.40	8.30
KAR11			32	23.73	73.3	0.15	5.20	9.20
KAR11			40	21.13	76.9	0.25	5.00	10.30
KAR11			50	20.24	82.0	0.34	4.70	11.50
KAR11			63	15.44	83.3	0.54	4.30	13.00
KAR11			80	11.89	86.1	0.79	3.70	14.80
KAR11			100	10.05	90.8	1.23	3.00	16.80
KAR11			125	1.71	89.3	1.87	1.80	18.80
KAR11			160	-4.72	90.6	2.80	0.00	21.10
KAR11			200	-8.85	91.9	4.03	0.00	22.80
KAR12	5 682	5 685						
KAR12			20	26.31	63.9	0.00	5.60	7.60
KAR12			25	23.39	67.8	0.11	5.40	8.30
KAR12			32	22.43	73.3	0.17	5.20	9.20
KAR12			40	19.82	76.9	0.28	5.00	10.30
KAR12			50	18.91	82.0	0.40	4.70	11.50
KAR12			63	14.08	83.3	0.63	4.30	13.00
KAR12			80	10.50	86.1	0.91	3.70	14.80
KAR12			100	8.58	90.8	1.42	3.00	16.80
KAR12			125	0.14	89.3	2.16	1.80	18.80
KAR12			160	-6.44	90.6	3.24	0.00	21.10
KAR12			200	-10.76	91.9	4.66	0.00	22.80
KAR13	5 246	5 249						
KAR13			20	27.00	63.9	0.00	5.60	7.60
KAR13			25	24.09	67.8	0.10	5.40	8.30
KAR13			32	23.14	73.3	0.16	5.20	9.20
KAR13			40	20.54	76.9	0.26	5.00	10.30
KAR13			50	19.63	82.0	0.37	4.70	11.50
KAR13			63	14.82	83.3	0.58	4.30	13.00
KAR13			80	11.26	86.1	0.84	3.70	14.80
KAR13			100	9.39	90.8	1.31	3.00	16.80
KAR13			125	1.00	89.3	1.99	1.80	18.80
KAR13			160	-5.49	90.6	2.99	0.00	21.10
KAR13			200	-9.71	91.9	4.30	0.00	22.80
KAR14	6 128	6 131						
KAR14			20	25.65	63.9	0.00	5.60	7.60
KAR14			25	22.73	67.8	0.12	5.40	8.30
KAR14			32	21.77	73.3	0.18	5.20	9.20
KAR14			40	19.14	76.9	0.31	5.00	10.30
KAR14			50	18.22	82.0	0.43	4.70	11.50
KAR14			63	13.38	83.3	0.67	4.30	13.00
KAR14			80	9.77	86.1	0.98	3.70	14.80
KAR14			100	7.82	90.8	1.53	3.00	16.80
KAR14			125	-0.68	89.3	2.33	1.80	18.80
KAR14			160	-7.35	90.6	3.49	0.00	21.10
KAR14			200	-11.78	91.9	5.03	0.00	22.80
KAR15	5 183	5 187						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			20	27.10	63.9	0.00	5.60	7.60
KAR15			25	24.20	67.8	0.10	5.40	8.30
KAR15			32	23.25	73.3	0.16	5.20	9.20
KAR15			40	20.64	76.9	0.26	5.00	10.30
KAR15			50	19.74	82.0	0.36	4.70	11.50
KAR15			63	14.93	83.3	0.57	4.30	13.00
KAR15			80	11.37	86.1	0.83	3.70	14.80
KAR15			100	9.51	90.8	1.30	3.00	16.80
KAR15			125	1.13	89.3	1.97	1.80	18.80
KAR15			160	-5.35	90.6	2.96	0.00	21.10
KAR15			200	-9.55	91.9	4.25	0.00	22.80
KAR16	6 351	6 354						
KAR16			20	25.34	63.9	0.00	5.60	7.60
KAR16			25	22.41	67.8	0.13	5.40	8.30
KAR16			32	21.45	73.3	0.19	5.20	9.20
KAR16			40	18.82	76.9	0.32	5.00	10.30
KAR16			50	17.89	82.0	0.44	4.70	11.50
KAR16			63	13.04	83.3	0.70	4.30	13.00
KAR16			80	9.42	86.1	1.02	3.70	14.80
KAR16			100	7.45	90.8	1.59	3.00	16.80
KAR16			125	-1.08	89.3	2.41	1.80	18.80
KAR16			160	-7.78	90.6	3.62	0.00	21.10
KAR16			200	-12.27	91.9	5.21	0.00	22.80
KAR17	6 190	6 193						
KAR17			20	25.56	63.9	0.00	5.60	7.60
KAR17			25	22.64	67.8	0.12	5.40	8.30
KAR17			32	21.68	73.3	0.19	5.20	9.20
KAR17			40	19.05	76.9	0.31	5.00	10.30
KAR17			50	18.13	82.0	0.43	4.70	11.50
KAR17			63	13.28	83.3	0.68	4.30	13.00
KAR17			80	9.67	86.1	0.99	3.70	14.80
KAR17			100	7.71	90.8	1.55	3.00	16.80
KAR17			125	-0.79	89.3	2.35	1.80	18.80
KAR17			160	-7.47	90.6	3.53	0.00	21.10
KAR17			200	-11.92	91.9	5.08	0.00	22.80
KAR18	6 847	6 850						
KAR18			20	24.69	63.9	0.00	5.60	7.60
KAR18			25	21.75	67.8	0.14	5.40	8.30
KAR18			32	20.78	73.3	0.21	5.20	9.20
KAR18			40	18.14	76.9	0.34	5.00	10.30
KAR18			50	17.21	82.0	0.48	4.70	11.50
KAR18			63	12.33	83.3	0.75	4.30	13.00
KAR18			80	8.69	86.1	1.10	3.70	14.80
KAR18			100	6.67	90.8	1.71	3.00	16.80
KAR18			125	-1.92	89.3	2.60	1.80	18.80
KAR18			160	-8.72	90.6	3.90	0.00	21.10
KAR18			200	-13.33	91.9	5.62	0.00	22.80
KAR19	5 910	5 914						
KAR19			20	25.96	63.9	0.00	5.60	7.60
KAR19			25	23.04	67.8	0.12	5.40	8.30
KAR19			32	22.09	73.3	0.18	5.20	9.20
KAR19			40	19.47	76.9	0.30	5.00	10.30
KAR19			50	18.55	82.0	0.41	4.70	11.50
KAR19			63	13.71	83.3	0.65	4.30	13.00
KAR19			80	10.12	86.1	0.95	3.70	14.80
KAR19			100	8.18	90.8	1.48	3.00	16.80
KAR19			125	-0.28	89.3	2.25	1.80	18.80
KAR19			160	-6.91	90.6	3.37	0.00	21.10
KAR19			200	-11.29	91.9	4.85	0.00	22.80
KAR20	6 839	6 842						
KAR20			20	24.70	63.9	0.00	5.60	7.60
KAR20			25	21.76	67.8	0.14	5.40	8.30
KAR20			32	20.79	73.3	0.21	5.20	9.20
KAR20			40	18.15	76.9	0.34	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			50	17.22	82.0	0.48	4.70	11.50
KAR20			63	12.34	83.3	0.75	4.30	13.00
KAR20			80	8.70	86.1	1.09	3.70	14.80
KAR20			100	6.69	90.8	1.71	3.00	16.80
KAR20			125	-1.90	89.3	2.60	1.80	18.80
KAR20			160	-8.70	90.6	3.90	0.00	21.10
KAR20			200	-13.31	91.9	5.61	0.00	22.80
KAR21	6 578	6 581						
KAR21			20	25.03	63.9	0.00	5.60	7.60
KAR21			25	22.10	67.8	0.13	5.40	8.30
KAR21			32	21.14	73.3	0.20	5.20	9.20
KAR21			40	18.50	76.9	0.33	5.00	10.30
KAR21			50	17.57	82.0	0.46	4.70	11.50
KAR21			63	12.71	83.3	0.72	4.30	13.00
KAR21			80	9.08	86.1	1.05	3.70	14.80
KAR21			100	7.09	90.8	1.65	3.00	16.80
KAR21			125	-1.47	89.3	2.50	1.80	18.80
KAR21			160	-8.22	90.6	3.75	0.00	21.10
KAR21			200	-12.76	91.9	5.40	0.00	22.80
KAR22	6 602	6 604						
KAR22			20	25.00	63.9	0.00	5.60	7.60
KAR22			25	22.07	67.8	0.13	5.40	8.30
KAR22			32	21.11	73.3	0.20	5.20	9.20
KAR22			40	18.47	76.9	0.33	5.00	10.30
KAR22			50	17.54	82.0	0.46	4.70	11.50
KAR22			63	12.68	83.3	0.73	4.30	13.00
KAR22			80	9.05	86.1	1.06	3.70	14.80
KAR22			100	7.05	90.8	1.65	3.00	16.80
KAR22			125	-1.51	89.3	2.51	1.80	18.80
KAR22			160	-8.26	90.6	3.76	0.00	21.10
KAR22			200	-12.81	91.9	5.42	0.00	22.80
KAR23	7 173	7 176						
KAR23			20	24.28	63.9	0.00	5.60	7.60
KAR23			25	21.34	67.8	0.14	5.40	8.30
KAR23			32	20.37	73.3	0.22	5.20	9.20
KAR23			40	17.72	76.9	0.36	5.00	10.30
KAR23			50	16.78	82.0	0.50	4.70	11.50
KAR23			63	11.89	83.3	0.79	4.30	13.00
KAR23			80	8.23	86.1	1.15	3.70	14.80
KAR23			100	6.19	90.8	1.79	3.00	16.80
KAR23			125	-2.45	89.3	2.73	1.80	18.80
KAR23			160	-9.31	90.6	4.09	0.00	21.10
KAR23			200	-14.00	91.9	5.88	0.00	22.80
KAR24	4 235	4 239						
KAR24			20	28.85	63.9	0.00	5.60	7.60
KAR24			25	25.97	67.8	0.08	5.40	8.30
KAR24			32	25.03	73.3	0.13	5.20	9.20
KAR24			40	22.44	76.9	0.21	5.00	10.30
KAR24			50	21.56	82.0	0.30	4.70	11.50
KAR24			63	16.79	83.3	0.47	4.30	13.00
KAR24			80	13.28	86.1	0.68	3.70	14.80
KAR24			100	11.49	90.8	1.06	3.00	16.80
KAR24			125	3.24	89.3	1.61	1.80	18.80
KAR24			160	-3.06	90.6	2.42	0.00	21.10
KAR24			200	-7.02	91.9	3.48	0.00	22.80
KAR25	3 187	3 193						
KAR25			20	31.32	63.9	0.00	5.60	7.60
KAR25			25	28.45	67.8	0.06	5.40	8.30
KAR25			32	27.52	73.3	0.10	5.20	9.20
KAR25			40	24.96	76.9	0.16	5.00	10.30
KAR25			50	24.09	82.0	0.22	4.70	11.50
KAR25			63	19.37	83.3	0.35	4.30	13.00
KAR25			80	15.91	86.1	0.51	3.70	14.80
KAR25			100	14.22	90.8	0.80	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			125	6.10	89.3	1.21	1.80	18.80
KAR25			160	0.00	90.6	1.82	0.00	21.10
KAR25			200	-3.70	91.9	2.62	0.00	22.80
MAA01	2 086	2 091						
MAA01			20	34.99	63.9	0.00	5.60	7.60
MAA01			25	32.15	67.8	0.04	5.40	8.30
MAA01			32	31.23	73.3	0.06	5.20	9.20
MAA01			40	28.69	76.9	0.10	5.00	10.30
MAA01			50	27.85	82.0	0.15	4.70	11.50
MAA01			63	23.16	83.3	0.23	4.30	13.00
MAA01			80	19.76	86.1	0.33	3.70	14.80
MAA01			100	18.17	90.8	0.52	3.00	16.80
MAA01			125	10.20	89.3	0.79	1.80	18.80
MAA01			160	4.30	90.6	1.19	0.00	21.10
MAA01			200	0.88	91.9	1.71	0.00	22.80
MAA03	2 260	2 264						
MAA03			20	34.30	63.9	0.00	5.60	7.60
MAA03			25	31.46	67.8	0.05	5.40	8.30
MAA03			32	30.53	73.3	0.07	5.20	9.20
MAA03			40	27.99	76.9	0.11	5.00	10.30
MAA03			50	27.14	82.0	0.16	4.70	11.50
MAA03			63	22.45	83.3	0.25	4.30	13.00
MAA03			80	19.04	86.1	0.36	3.70	14.80
MAA03			100	17.44	90.8	0.57	3.00	16.80
MAA03			125	9.44	89.3	0.86	1.80	18.80
MAA03			160	3.51	90.6	1.29	0.00	21.10
MAA03			200	0.04	91.9	1.86	0.00	22.80
MAA04	1 675	1 681						
MAA04			20	36.89	63.9	0.00	5.60	7.60
MAA04			25	34.06	67.8	0.03	5.40	8.30
MAA04			32	33.14	73.3	0.05	5.20	9.20
MAA04			40	30.61	76.9	0.08	5.00	10.30
MAA04			50	29.77	82.0	0.12	4.70	11.50
MAA04			63	25.10	83.3	0.18	4.30	13.00
MAA04			80	21.72	86.1	0.27	3.70	14.80
MAA04			100	20.17	90.8	0.42	3.00	16.80
MAA04			125	12.25	89.3	0.64	1.80	18.80
MAA04			160	6.43	90.6	0.96	0.00	21.10
MAA04			200	3.11	91.9	1.38	0.00	22.80
MAA05	2 534	2 538						
MAA05			20	33.31	63.9	0.00	5.60	7.60
MAA05			25	30.46	67.8	0.05	5.40	8.30
MAA05			32	29.54	73.3	0.08	5.20	9.20
MAA05			40	26.98	76.9	0.13	5.00	10.30
MAA05			50	26.13	82.0	0.18	4.70	11.50
MAA05			63	21.43	83.3	0.28	4.30	13.00
MAA05			80	18.01	86.1	0.41	3.70	14.80
MAA05			100	16.38	90.8	0.63	3.00	16.80
MAA05			125	8.35	89.3	0.96	1.80	18.80
MAA05			160	2.36	90.6	1.45	0.00	21.10
MAA05			200	-1.17	91.9	2.08	0.00	22.80
MAA06	3 085	3 088						
MAA06			20	31.61	63.9	0.00	5.60	7.60
MAA06			25	28.74	67.8	0.06	5.40	8.30
MAA06			32	27.81	73.3	0.09	5.20	9.20
MAA06			40	25.25	76.9	0.15	5.00	10.30
MAA06			50	24.39	82.0	0.22	4.70	11.50
MAA06			63	19.67	83.3	0.34	4.30	13.00
MAA06			80	16.21	86.1	0.49	3.70	14.80
MAA06			100	14.53	90.8	0.77	3.00	16.80
MAA06			125	6.43	89.3	1.17	1.80	18.80
MAA06			160	0.34	90.6	1.76	0.00	21.10
MAA06			200	-3.33	91.9	2.53	0.00	22.80
MAA07	3 269	3 272						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			20	31.10	63.9	0.00	5.60	7.60
MAA07			25	28.24	67.8	0.07	5.40	8.30
MAA07			32	27.31	73.3	0.10	5.20	9.20
MAA07			40	24.74	76.9	0.16	5.00	10.30
MAA07			50	23.87	82.0	0.23	4.70	11.50
MAA07			63	19.14	83.3	0.36	4.30	13.00
MAA07			80	15.68	86.1	0.52	3.70	14.80
MAA07			100	13.99	90.8	0.82	3.00	16.80
MAA07			125	5.86	89.3	1.24	1.80	18.80
MAA07			160	-0.26	90.6	1.87	0.00	21.10
MAA07			200	-3.98	91.9	2.68	0.00	22.80
MAA08	3 430	3 433						
MAA08			20	30.69	63.9	0.00	5.60	7.60
MAA08			25	27.82	67.8	0.07	5.40	8.30
MAA08			32	26.88	73.3	0.10	5.20	9.20
MAA08			40	24.31	76.9	0.17	5.00	10.30
MAA08			50	23.45	82.0	0.24	4.70	11.50
MAA08			63	18.71	83.3	0.38	4.30	13.00
MAA08			80	15.24	86.1	0.55	3.70	14.80
MAA08			100	13.53	90.8	0.86	3.00	16.80
MAA08			125	5.38	89.3	1.30	1.80	18.80
MAA08			160	-0.77	90.6	1.96	0.00	21.10
MAA08			200	-4.53	91.9	2.82	0.00	22.80
RAH01	3 774	3 777						
RAH01			20	28.00	62.0	0.00	5.60	7.60
RAH01			25	26.43	67.2	0.08	5.40	8.30
RAH01			32	24.79	72.0	0.11	5.20	9.20
RAH01			40	23.39	76.8	0.19	5.00	10.30
RAH01			50	21.82	81.2	0.26	4.70	11.50
RAH01			63	19.56	85.0	0.42	4.30	13.00
RAH01			80	16.58	88.3	0.60	3.70	14.80
RAH01			100	12.91	91.1	0.94	3.00	16.80
RAH01			125	8.42	93.3	1.44	1.80	18.80
RAH01			160	2.58	95.0	2.15	0.00	21.10
RAH01			200	-1.44	96.1	3.10	0.00	22.80
RAH02	3 735	3 738						
RAH02			20	28.10	62.0	0.00	5.60	7.60
RAH02			25	26.52	67.2	0.07	5.40	8.30
RAH02			32	24.88	72.0	0.11	5.20	9.20
RAH02			40	23.49	76.8	0.19	5.00	10.30
RAH02			50	21.91	81.2	0.26	4.70	11.50
RAH02			63	19.66	85.0	0.41	4.30	13.00
RAH02			80	16.67	88.3	0.60	3.70	14.80
RAH02			100	13.01	91.1	0.93	3.00	16.80
RAH02			125	8.53	93.3	1.42	1.80	18.80
RAH02			160	2.69	95.0	2.13	0.00	21.10
RAH02			200	-1.32	96.1	3.06	0.00	22.80
RAH03	3 124	3 128						
RAH03			20	29.64	62.0	0.00	5.60	7.60
RAH03			25	28.08	67.2	0.06	5.40	8.30
RAH03			32	26.45	72.0	0.09	5.20	9.20
RAH03			40	25.06	76.8	0.16	5.00	10.30
RAH03			50	23.50	81.2	0.22	4.70	11.50
RAH03			63	21.27	85.0	0.34	4.30	13.00
RAH03			80	18.32	88.3	0.50	3.70	14.80
RAH03			100	14.71	91.1	0.78	3.00	16.80
RAH03			125	10.31	93.3	1.19	1.80	18.80
RAH03			160	4.59	95.0	1.78	0.00	21.10
RAH03			200	0.73	96.1	2.57	0.00	22.80
RAH04	3 703	3 706						
RAH04			20	28.17	62.0	0.00	5.60	7.60
RAH04			25	26.60	67.2	0.07	5.40	8.30
RAH04			32	24.96	72.0	0.11	5.20	9.20
RAH04			40	23.56	76.8	0.19	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			50	21.99	81.2	0.26	4.70	11.50
RAH04			63	19.74	85.0	0.41	4.30	13.00
RAH04			80	16.75	88.3	0.59	3.70	14.80
RAH04			100	13.10	91.1	0.93	3.00	16.80
RAH04			125	8.61	93.3	1.41	1.80	18.80
RAH04			160	2.79	95.0	2.11	0.00	21.10
RAH04			200	-1.22	96.1	3.04	0.00	22.80
RAH05	2 899	2 903						
RAH05			20	30.29	62.0	0.00	5.60	7.60
RAH05			25	28.73	67.2	0.06	5.40	8.30
RAH05			32	27.10	72.0	0.09	5.20	9.20
RAH05			40	25.72	76.8	0.15	5.00	10.30
RAH05			50	24.16	81.2	0.20	4.70	11.50
RAH05			63	21.95	85.0	0.32	4.30	13.00
RAH05			80	19.00	88.3	0.46	3.70	14.80
RAH05			100	15.42	91.1	0.73	3.00	16.80
RAH05			125	11.04	93.3	1.10	1.80	18.80
RAH05			160	5.36	95.0	1.65	0.00	21.10
RAH05			200	1.56	96.1	2.38	0.00	22.80
RAH06	3 118	3 121						
RAH06			20	29.66	62.0	0.00	5.60	7.60
RAH06			25	28.10	67.2	0.06	5.40	8.30
RAH06			32	26.47	72.0	0.09	5.20	9.20
RAH06			40	25.08	76.8	0.16	5.00	10.30
RAH06			50	23.52	81.2	0.22	4.70	11.50
RAH06			63	21.29	85.0	0.34	4.30	13.00
RAH06			80	18.34	88.3	0.50	3.70	14.80
RAH06			100	14.73	91.1	0.78	3.00	16.80
RAH06			125	10.33	93.3	1.19	1.80	18.80
RAH06			160	4.61	95.0	1.78	0.00	21.10
RAH06			200	0.75	96.1	2.56	0.00	22.80
RAH07	4 667	4 669						
RAH07			20	26.16	62.0	0.00	5.60	7.60
RAH07			25	24.57	67.2	0.09	5.40	8.30
RAH07			32	22.92	72.0	0.14	5.20	9.20
RAH07			40	21.51	76.8	0.23	5.00	10.30
RAH07			50	19.91	81.2	0.33	4.70	11.50
RAH07			63	17.63	85.0	0.51	4.30	13.00
RAH07			80	14.59	88.3	0.75	3.70	14.80
RAH07			100	10.85	91.1	1.17	3.00	16.80
RAH07			125	6.24	93.3	1.77	1.80	18.80
RAH07			160	0.23	95.0	2.66	0.00	21.10
RAH07			200	-4.01	96.1	3.83	0.00	22.80
RAH08	4 822	4 824						
RAH08			20	25.88	62.0	0.00	5.60	7.60
RAH08			25	24.28	67.2	0.10	5.40	8.30
RAH08			32	22.64	72.0	0.14	5.20	9.20
RAH08			40	21.21	76.8	0.24	5.00	10.30
RAH08			50	19.62	81.2	0.34	4.70	11.50
RAH08			63	17.33	85.0	0.53	4.30	13.00
RAH08			80	14.28	88.3	0.77	3.70	14.80
RAH08			100	10.53	91.1	1.21	3.00	16.80
RAH08			125	5.90	93.3	1.83	1.80	18.80
RAH08			160	-0.14	95.0	2.75	0.00	21.10
RAH08			200	-4.42	96.1	3.96	0.00	22.80
RAH09	4 028	4 030						
RAH09			20	27.44	62.0	0.00	5.60	7.60
RAH09			25	25.86	67.2	0.08	5.40	8.30
RAH09			32	24.22	72.0	0.12	5.20	9.20
RAH09			40	22.82	76.8	0.20	5.00	10.30
RAH09			50	21.23	81.2	0.28	4.70	11.50
RAH09			63	18.97	85.0	0.44	4.30	13.00
RAH09			80	15.97	88.3	0.64	3.70	14.80
RAH09			100	12.29	91.1	1.01	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			125	7.76	93.3	1.53	1.80	18.80
RAH09			160	1.87	95.0	2.30	0.00	21.10
RAH09			200	-2.21	96.1	3.30	0.00	22.80
RAH10	4 476	4 479						
RAH10			20	26.53	62.0	0.00	5.60	7.60
RAH10			25	24.94	67.2	0.09	5.40	8.30
RAH10			32	23.29	72.0	0.13	5.20	9.20
RAH10			40	21.88	76.8	0.22	5.00	10.30
RAH10			50	20.29	81.2	0.31	4.70	11.50
RAH10			63	18.01	85.0	0.49	4.30	13.00
RAH10			80	14.98	88.3	0.72	3.70	14.80
RAH10			100	11.26	91.1	1.12	3.00	16.80
RAH10			125	6.67	93.3	1.70	1.80	18.80
RAH10			160	0.70	95.0	2.55	0.00	21.10
RAH10			200	-3.50	96.1	3.67	0.00	22.80
RAH11	3 478	3 481						
RAH11			20	28.71	62.0	0.00	5.60	7.60
RAH11			25	27.14	67.2	0.07	5.40	8.30
RAH11			32	25.51	72.0	0.10	5.20	9.20
RAH11			40	24.12	76.8	0.17	5.00	10.30
RAH11			50	22.55	81.2	0.24	4.70	11.50
RAH11			63	20.31	85.0	0.38	4.30	13.00
RAH11			80	17.33	88.3	0.56	3.70	14.80
RAH11			100	13.70	91.1	0.87	3.00	16.80
RAH11			125	9.24	93.3	1.32	1.80	18.80
RAH11			160	3.46	95.0	1.98	0.00	21.10
RAH11			200	-0.49	96.1	2.85	0.00	22.80
RAH12	4 204	4 207						
RAH12			20	27.07	62.0	0.00	5.60	7.60
RAH12			25	25.49	67.2	0.08	5.40	8.30
RAH12			32	23.84	72.0	0.13	5.20	9.20
RAH12			40	22.43	76.8	0.21	5.00	10.30
RAH12			50	20.85	81.2	0.29	4.70	11.50
RAH12			63	18.58	85.0	0.46	4.30	13.00
RAH12			80	15.57	88.3	0.67	3.70	14.80
RAH12			100	11.87	91.1	1.05	3.00	16.80
RAH12			125	7.32	93.3	1.60	1.80	18.80
RAH12			160	1.40	95.0	2.40	0.00	21.10
RAH12			200	-2.73	96.1	3.45	0.00	22.80
RAH13	4 138	4 140						
RAH13			20	27.21	62.0	0.00	5.60	7.60
RAH13			25	25.62	67.2	0.08	5.40	8.30
RAH13			32	23.98	72.0	0.12	5.20	9.20
RAH13			40	22.58	76.8	0.21	5.00	10.30
RAH13			50	20.99	81.2	0.29	4.70	11.50
RAH13			63	18.73	85.0	0.46	4.30	13.00
RAH13			80	15.72	88.3	0.66	3.70	14.80
RAH13			100	12.02	91.1	1.04	3.00	16.80
RAH13			125	7.49	93.3	1.57	1.80	18.80
RAH13			160	1.57	95.0	2.36	0.00	21.10
RAH13			200	-2.54	96.1	3.40	0.00	22.80
RAH14	3 490	3 493						
RAH14			20	28.68	62.0	0.00	5.60	7.60
RAH14			25	27.11	67.2	0.07	5.40	8.30
RAH14			32	25.48	72.0	0.10	5.20	9.20
RAH14			40	24.08	76.8	0.17	5.00	10.30
RAH14			50	22.51	81.2	0.24	4.70	11.50
RAH14			63	20.27	85.0	0.38	4.30	13.00
RAH14			80	17.30	88.3	0.56	3.70	14.80
RAH14			100	13.66	91.1	0.87	3.00	16.80
RAH14			125	9.21	93.3	1.33	1.80	18.80
RAH14			160	3.42	95.0	1.99	0.00	21.10
RAH14			200	-0.53	96.1	2.86	0.00	22.80
RAH15	4 353	4 356						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			20	26.77	62.0	0.00	5.60	7.60
RAH15			25	25.18	67.2	0.09	5.40	8.30
RAH15			32	23.54	72.0	0.13	5.20	9.20
RAH15			40	22.12	76.8	0.22	5.00	10.30
RAH15			50	20.54	81.2	0.30	4.70	11.50
RAH15			63	18.26	85.0	0.48	4.30	13.00
RAH15			80	15.25	88.3	0.70	3.70	14.80
RAH15			100	11.53	91.1	1.09	3.00	16.80
RAH15			125	6.96	93.3	1.66	1.80	18.80
RAH15			160	1.01	95.0	2.48	0.00	21.10
RAH15			200	-3.15	96.1	3.57	0.00	22.80
RAH16	4 961	4 963						
RAH16			20	25.63	62.0	0.00	5.60	7.60
RAH16			25	24.03	67.2	0.10	5.40	8.30
RAH16			32	22.38	72.0	0.15	5.20	9.20
RAH16			40	20.96	76.8	0.25	5.00	10.30
RAH16			50	19.36	81.2	0.35	4.70	11.50
RAH16			63	17.06	85.0	0.55	4.30	13.00
RAH16			80	14.01	88.3	0.79	3.70	14.80
RAH16			100	10.24	91.1	1.24	3.00	16.80
RAH16			125	5.60	93.3	1.89	1.80	18.80
RAH16			160	-0.47	95.0	2.83	0.00	21.10
RAH16			200	-4.79	96.1	4.07	0.00	22.80
RAH17	3 423	3 427						
RAH17			20	28.85	62.0	0.00	5.60	7.60
RAH17			25	27.28	67.2	0.07	5.40	8.30
RAH17			32	25.65	72.0	0.10	5.20	9.20
RAH17			40	24.25	76.8	0.17	5.00	10.30
RAH17			50	22.69	81.2	0.24	4.70	11.50
RAH17			63	20.45	85.0	0.38	4.30	13.00
RAH17			80	17.48	88.3	0.55	3.70	14.80
RAH17			100	13.84	91.1	0.86	3.00	16.80
RAH17			125	9.40	93.3	1.30	1.80	18.80
RAH17			160	3.62	95.0	1.95	0.00	21.10
RAH17			200	-0.31	96.1	2.81	0.00	22.80
RAH18	4 031	4 035						
RAH18			20	27.43	62.0	0.00	5.60	7.60
RAH18			25	25.85	67.2	0.08	5.40	8.30
RAH18			32	24.21	72.0	0.12	5.20	9.20
RAH18			40	22.81	76.8	0.20	5.00	10.30
RAH18			50	21.22	81.2	0.28	4.70	11.50
RAH18			63	18.96	85.0	0.44	4.30	13.00
RAH18			80	15.96	88.3	0.65	3.70	14.80
RAH18			100	12.27	91.1	1.01	3.00	16.80
RAH18			125	7.75	93.3	1.53	1.80	18.80
RAH18			160	1.86	95.0	2.30	0.00	21.10
RAH18			200	-2.23	96.1	3.31	0.00	22.80
RAH19	4 043	4 047						
RAH19			20	27.40	62.0	0.00	5.60	7.60
RAH19			25	25.82	67.2	0.08	5.40	8.30
RAH19			32	24.18	72.0	0.12	5.20	9.20
RAH19			40	22.78	76.8	0.20	5.00	10.30
RAH19			50	21.20	81.2	0.28	4.70	11.50
RAH19			63	18.94	85.0	0.45	4.30	13.00
RAH19			80	15.93	88.3	0.65	3.70	14.80
RAH19			100	12.24	91.1	1.01	3.00	16.80
RAH19			125	7.72	93.3	1.54	1.80	18.80
RAH19			160	1.83	95.0	2.31	0.00	21.10
RAH19			200	-2.26	96.1	3.32	0.00	22.80
SIL01	9 970	9 971						
SIL01			20	20.85	63.3	0.00	5.60	7.60
SIL01			25	19.04	68.4	0.20	5.40	8.30
SIL01			32	13.05	68.9	0.30	5.20	9.20
SIL01			40	9.95	72.1	0.50	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			50	8.55	76.8	0.70	4.70	11.50
SIL01			63	5.23	79.8	1.10	4.30	13.00
SIL01			80	1.44	82.6	1.60	3.70	14.80
SIL01			100	-2.14	86.0	2.49	3.00	16.80
SIL01			125	-6.38	89.3	3.79	1.80	18.80
SIL01			160	-16.18	88.2	5.68	0.00	21.10
SIL01			200	-21.06	90.0	8.18	0.00	22.80
SIL02	9 458	9 460						
SIL02			20	21.31	63.3	0.00	5.60	7.60
SIL02			25	19.51	68.4	0.19	5.40	8.30
SIL02			32	13.53	68.9	0.28	5.20	9.20
SIL02			40	10.43	72.1	0.47	5.00	10.30
SIL02			50	9.04	76.8	0.66	4.70	11.50
SIL02			63	5.75	79.8	1.04	4.30	13.00
SIL02			80	1.98	82.6	1.51	3.70	14.80
SIL02			100	-1.55	86.0	2.36	3.00	16.80
SIL02			125	-5.72	89.3	3.59	1.80	18.80
SIL02			160	-15.43	88.2	5.39	0.00	21.10
SIL02			200	-20.19	90.0	7.76	0.00	22.80
SIL03	8 817	8 818						
SIL03			20	21.92	63.3	0.00	5.60	7.60
SIL03			25	20.13	68.4	0.18	5.40	8.30
SIL03			32	14.16	68.9	0.26	5.20	9.20
SIL03			40	11.07	72.1	0.44	5.00	10.30
SIL03			50	9.70	76.8	0.62	4.70	11.50
SIL03			63	6.43	79.8	0.97	4.30	13.00
SIL03			80	2.69	82.6	1.41	3.70	14.80
SIL03			100	-0.78	86.0	2.20	3.00	16.80
SIL03			125	-4.87	89.3	3.35	1.80	18.80
SIL03			160	-14.45	88.2	5.03	0.00	21.10
SIL03			200	-19.05	90.0	7.23	0.00	22.80
SIL04	8 829	8 831						
SIL04			20	21.90	63.3	0.00	5.60	7.60
SIL04			25	20.12	68.4	0.18	5.40	8.30
SIL04			32	14.14	68.9	0.26	5.20	9.20
SIL04			40	11.06	72.1	0.44	5.00	10.30
SIL04			50	9.69	76.8	0.62	4.70	11.50
SIL04			63	6.41	79.8	0.97	4.30	13.00
SIL04			80	2.68	82.6	1.41	3.70	14.80
SIL04			100	-0.80	86.0	2.21	3.00	16.80
SIL04			125	-4.89	89.3	3.36	1.80	18.80
SIL04			160	-14.47	88.2	5.03	0.00	21.10
SIL04			200	-19.07	90.0	7.24	0.00	22.80
SIL05	9 722	9 724						
SIL05			20	21.07	63.3	0.00	5.60	7.60
SIL05			25	19.27	68.4	0.19	5.40	8.30
SIL05			32	13.28	68.9	0.29	5.20	9.20
SIL05			40	10.18	72.1	0.49	5.00	10.30
SIL05			50	8.79	76.8	0.68	4.70	11.50
SIL05			63	5.48	79.8	1.07	4.30	13.00
SIL05			80	1.70	82.6	1.56	3.70	14.80
SIL05			100	-1.86	86.0	2.43	3.00	16.80
SIL05			125	-6.06	89.3	3.69	1.80	18.80
SIL05			160	-15.82	88.2	5.54	0.00	21.10
SIL05			200	-20.64	90.0	7.97	0.00	22.80
SIL06	9 337	9 339						
SIL06			20	21.42	63.3	0.00	5.60	7.60
SIL06			25	19.62	68.4	0.19	5.40	8.30
SIL06			32	13.64	68.9	0.28	5.20	9.20
SIL06			40	10.55	72.1	0.47	5.00	10.30
SIL06			50	9.16	76.8	0.65	4.70	11.50
SIL06			63	5.87	79.8	1.03	4.30	13.00
SIL06			80	2.11	82.6	1.49	3.70	14.80
SIL06			100	-1.41	86.0	2.33	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			125	-5.57	89.3	3.55	1.80	18.80
SIL06			160	-15.25	88.2	5.32	0.00	21.10
SIL06			200	-19.98	90.0	7.66	0.00	22.80
SIL07	8 779	8 781						
SIL07			20	21.95	63.3	0.00	5.60	7.60
SIL07			25	20.17	68.4	0.18	5.40	8.30
SIL07			32	14.20	68.9	0.26	5.20	9.20
SIL07			40	11.11	72.1	0.44	5.00	10.30
SIL07			50	9.74	76.8	0.61	4.70	11.50
SIL07			63	6.47	79.8	0.97	4.30	13.00
SIL07			80	2.74	82.6	1.40	3.70	14.80
SIL07			100	-0.74	86.0	2.20	3.00	16.80
SIL07			125	-4.82	89.3	3.34	1.80	18.80
SIL07			160	-14.39	88.2	5.01	0.00	21.10
SIL07			200	-18.98	90.0	7.20	0.00	22.80
SIL08	9 142	9 143						
SIL08			20	21.60	63.3	0.00	5.60	7.60
SIL08			25	19.81	68.4	0.18	5.40	8.30
SIL08			32	13.83	68.9	0.27	5.20	9.20
SIL08			40	10.74	72.1	0.46	5.00	10.30
SIL08			50	9.36	76.8	0.64	4.70	11.50
SIL08			63	6.08	79.8	1.01	4.30	13.00
SIL08			80	2.33	82.6	1.46	3.70	14.80
SIL08			100	-1.18	86.0	2.29	3.00	16.80
SIL08			125	-5.31	89.3	3.47	1.80	18.80
SIL08			160	-14.95	88.2	5.21	0.00	21.10
SIL08			200	-19.63	90.0	7.50	0.00	22.80
Sum								
Sum			20	46.45				
Sum			25	44.00				
Sum			32	42.75				
Sum			40	40.56				
Sum			50	39.45				
Sum			63	35.69				
Sum			80	32.45				
Sum			100	29.89				
Sum			125	23.54				
Sum			160	17.57				
Sum			200	13.69				

Noise sensitive area: AF Noise sensitive point: Finnish normal frequency - User defined (39)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 886	3 891						
KAR01			20	29.60	63.9	0.00	5.60	7.60
KAR01			25	26.72	67.8	0.08	5.40	8.30
KAR01			32	25.78	73.3	0.12	5.20	9.20
KAR01			40	23.20	76.9	0.19	5.00	10.30
KAR01			50	22.33	82.0	0.27	4.70	11.50
KAR01			63	17.57	83.3	0.43	4.30	13.00
KAR01			80	14.08	86.1	0.62	3.70	14.80
KAR01			100	12.33	90.8	0.97	3.00	16.80
KAR01			125	4.12	89.3	1.48	1.80	18.80
KAR01			160	-2.12	90.6	2.22	0.00	21.10
KAR01			200	-5.99	91.9	3.19	0.00	22.80
KAR02	3 547	3 551						
KAR02			20	30.39	63.9	0.00	5.60	7.60
KAR02			25	27.52	67.8	0.07	5.40	8.30
KAR02			32	26.59	73.3	0.11	5.20	9.20
KAR02			40	24.01	76.9	0.18	5.00	10.30
KAR02			50	23.14	82.0	0.25	4.70	11.50
KAR02			63	18.40	83.3	0.39	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR02			80	14.92	86.1	0.57	3.70	14.80
KAR02			100	13.20	90.8	0.89	3.00	16.80
KAR02			125	5.04	89.3	1.35	1.80	18.80
KAR02			160	-1.13	90.6	2.02	0.00	21.10
KAR02			200	-4.92	91.9	2.91	0.00	22.80
KAR03	4 006	4 010						
KAR03			20	29.34	63.9	0.00	5.60	7.60
KAR03			25	26.46	67.8	0.08	5.40	8.30
KAR03			32	25.52	73.3	0.12	5.20	9.20
KAR03			40	22.94	76.9	0.20	5.00	10.30
KAR03			50	22.06	82.0	0.28	4.70	11.50
KAR03			63	17.30	83.3	0.44	4.30	13.00
KAR03			80	13.80	86.1	0.64	3.70	14.80
KAR03			100	12.03	90.8	1.00	3.00	16.80
KAR03			125	3.81	89.3	1.52	1.80	18.80
KAR03			160	-2.45	90.6	2.29	0.00	21.10
KAR03			200	-6.35	91.9	3.29	0.00	22.80
KAR04	4 633	4 637						
KAR04			20	28.08	63.9	0.00	5.60	7.60
KAR04			25	25.18	67.8	0.09	5.40	8.30
KAR04			32	24.24	73.3	0.14	5.20	9.20
KAR04			40	21.64	76.9	0.23	5.00	10.30
KAR04			50	20.75	82.0	0.32	4.70	11.50
KAR04			63	15.97	83.3	0.51	4.30	13.00
KAR04			80	12.43	86.1	0.74	3.70	14.80
KAR04			100	10.62	90.8	1.16	3.00	16.80
KAR04			125	2.31	89.3	1.76	1.80	18.80
KAR04			160	-4.07	90.6	2.64	0.00	21.10
KAR04			200	-8.13	91.9	3.80	0.00	22.80
KAR05	5 252	5 255						
KAR05			20	26.99	63.9	0.00	5.60	7.60
KAR05			25	24.08	67.8	0.11	5.40	8.30
KAR05			32	23.13	73.3	0.16	5.20	9.20
KAR05			40	20.53	76.9	0.26	5.00	10.30
KAR05			50	19.62	82.0	0.37	4.70	11.50
KAR05			63	14.81	83.3	0.58	4.30	13.00
KAR05			80	11.25	86.1	0.84	3.70	14.80
KAR05			100	9.37	90.8	1.31	3.00	16.80
KAR05			125	0.99	89.3	2.00	1.80	18.80
KAR05			160	-5.51	90.6	3.00	0.00	21.10
KAR05			200	-9.72	91.9	4.31	0.00	22.80
KAR06	4 471	4 475						
KAR06			20	28.38	63.9	0.00	5.60	7.60
KAR06			25	25.49	67.8	0.09	5.40	8.30
KAR06			32	24.55	73.3	0.13	5.20	9.20
KAR06			40	21.96	76.9	0.22	5.00	10.30
KAR06			50	21.07	82.0	0.31	4.70	11.50
KAR06			63	16.29	83.3	0.49	4.30	13.00
KAR06			80	12.77	86.1	0.72	3.70	14.80
KAR06			100	10.96	90.8	1.12	3.00	16.80
KAR06			125	2.68	89.3	1.70	1.80	18.80
KAR06			160	-3.67	90.6	2.55	0.00	21.10
KAR06			200	-7.69	91.9	3.67	0.00	22.80
KAR07	4 219	4 223						
KAR07			20	28.89	63.9	0.00	5.60	7.60
KAR07			25	26.00	67.8	0.08	5.40	8.30
KAR07			32	25.06	73.3	0.13	5.20	9.20
KAR07			40	22.48	76.9	0.21	5.00	10.30
KAR07			50	21.59	82.0	0.30	4.70	11.50
KAR07			63	16.82	83.3	0.46	4.30	13.00
KAR07			80	13.31	86.1	0.68	3.70	14.80
KAR07			100	11.53	90.8	1.06	3.00	16.80
KAR07			125	3.28	89.3	1.60	1.80	18.80
KAR07			160	-3.02	90.6	2.41	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			200	-6.98	91.9	3.46	0.00	22.80
KAR08	4 171	4 175						
KAR08			20	28.99	63.9	0.00	5.60	7.60
KAR08			25	26.10	67.8	0.08	5.40	8.30
KAR08			32	25.16	73.3	0.13	5.20	9.20
KAR08			40	22.58	76.9	0.21	5.00	10.30
KAR08			50	21.70	82.0	0.29	4.70	11.50
KAR08			63	16.93	83.3	0.46	4.30	13.00
KAR08			80	13.42	86.1	0.67	3.70	14.80
KAR08			100	11.64	90.8	1.04	3.00	16.80
KAR08			125	3.40	89.3	1.59	1.80	18.80
KAR08			160	-2.89	90.6	2.38	0.00	21.10
KAR08			200	-6.84	91.9	3.42	0.00	22.80
KAR09	5 657	5 661						
KAR09			20	26.34	63.9	0.00	5.60	7.60
KAR09			25	23.43	67.8	0.11	5.40	8.30
KAR09			32	22.47	73.3	0.17	5.20	9.20
KAR09			40	19.86	76.9	0.28	5.00	10.30
KAR09			50	18.95	82.0	0.40	4.70	11.50
KAR09			63	14.12	83.3	0.62	4.30	13.00
KAR09			80	10.54	86.1	0.91	3.70	14.80
KAR09			100	8.63	90.8	1.42	3.00	16.80
KAR09			125	0.19	89.3	2.15	1.80	18.80
KAR09			160	-6.38	90.6	3.23	0.00	21.10
KAR09			200	-10.70	91.9	4.64	0.00	22.80
KAR10	5 259	5 263						
KAR10			20	26.98	63.9	0.00	5.60	7.60
KAR10			25	24.07	67.8	0.11	5.40	8.30
KAR10			32	23.12	73.3	0.16	5.20	9.20
KAR10			40	20.51	76.9	0.26	5.00	10.30
KAR10			50	19.61	82.0	0.37	4.70	11.50
KAR10			63	14.80	83.3	0.58	4.30	13.00
KAR10			80	11.23	86.1	0.84	3.70	14.80
KAR10			100	9.36	90.8	1.32	3.00	16.80
KAR10			125	0.98	89.3	2.00	1.80	18.80
KAR10			160	-5.52	90.6	3.00	0.00	21.10
KAR10			200	-9.74	91.9	4.32	0.00	22.80
KAR11	4 910	4 913						
KAR11			20	27.57	63.9	0.00	5.60	7.60
KAR11			25	24.67	67.8	0.10	5.40	8.30
KAR11			32	23.72	73.3	0.15	5.20	9.20
KAR11			40	21.13	76.9	0.25	5.00	10.30
KAR11			50	20.23	82.0	0.34	4.70	11.50
KAR11			63	15.43	83.3	0.54	4.30	13.00
KAR11			80	11.89	86.1	0.79	3.70	14.80
KAR11			100	10.04	90.8	1.23	3.00	16.80
KAR11			125	1.71	89.3	1.87	1.80	18.80
KAR11			160	-4.73	90.6	2.80	0.00	21.10
KAR11			200	-8.86	91.9	4.03	0.00	22.80
KAR12	5 701	5 704						
KAR12			20	26.28	63.9	0.00	5.60	7.60
KAR12			25	23.36	67.8	0.11	5.40	8.30
KAR12			32	22.41	73.3	0.17	5.20	9.20
KAR12			40	19.79	76.9	0.29	5.00	10.30
KAR12			50	18.88	82.0	0.40	4.70	11.50
KAR12			63	14.05	83.3	0.63	4.30	13.00
KAR12			80	10.46	86.1	0.91	3.70	14.80
KAR12			100	8.55	90.8	1.43	3.00	16.80
KAR12			125	0.11	89.3	2.17	1.80	18.80
KAR12			160	-6.47	90.6	3.25	0.00	21.10
KAR12			200	-10.80	91.9	4.68	0.00	22.80
KAR13	5 238	5 242						
KAR13			20	27.01	63.9	0.00	5.60	7.60
KAR13			25	24.11	67.8	0.10	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			32	23.15	73.3	0.16	5.20	9.20
KAR13			40	20.55	76.9	0.26	5.00	10.30
KAR13			50	19.64	82.0	0.37	4.70	11.50
KAR13			63	14.83	83.3	0.58	4.30	13.00
KAR13			80	11.27	86.1	0.84	3.70	14.80
KAR13			100	9.40	90.8	1.31	3.00	16.80
KAR13			125	1.02	89.3	1.99	1.80	18.80
KAR13			160	-5.48	90.6	2.99	0.00	21.10
KAR13			200	-9.69	91.9	4.30	0.00	22.80
KAR14	6 156	6 159						
KAR14			20	25.61	63.9	0.00	5.60	7.60
KAR14			25	22.69	67.8	0.12	5.40	8.30
KAR14			32	21.73	73.3	0.18	5.20	9.20
KAR14			40	19.10	76.9	0.31	5.00	10.30
KAR14			50	18.18	82.0	0.43	4.70	11.50
KAR14			63	13.33	83.3	0.68	4.30	13.00
KAR14			80	9.72	86.1	0.99	3.70	14.80
KAR14			100	7.77	90.8	1.54	3.00	16.80
KAR14			125	-0.73	89.3	2.34	1.80	18.80
KAR14			160	-7.40	90.6	3.51	0.00	21.10
KAR14			200	-11.84	91.9	5.05	0.00	22.80
KAR15	5 160	5 163						
KAR15			20	27.14	63.9	0.00	5.60	7.60
KAR15			25	24.24	67.8	0.10	5.40	8.30
KAR15			32	23.29	73.3	0.15	5.20	9.20
KAR15			40	20.68	76.9	0.26	5.00	10.30
KAR15			50	19.78	82.0	0.36	4.70	11.50
KAR15			63	14.97	83.3	0.57	4.30	13.00
KAR15			80	11.42	86.1	0.83	3.70	14.80
KAR15			100	9.55	90.8	1.29	3.00	16.80
KAR15			125	1.18	89.3	1.96	1.80	18.80
KAR15			160	-5.30	90.6	2.94	0.00	21.10
KAR15			200	-9.49	91.9	4.23	0.00	22.80
KAR16	6 366	6 369						
KAR16			20	25.32	63.9	0.00	5.60	7.60
KAR16			25	22.39	67.8	0.13	5.40	8.30
KAR16			32	21.43	73.3	0.19	5.20	9.20
KAR16			40	18.80	76.9	0.32	5.00	10.30
KAR16			50	17.87	82.0	0.45	4.70	11.50
KAR16			63	13.02	83.3	0.70	4.30	13.00
KAR16			80	9.40	86.1	1.02	3.70	14.80
KAR16			100	7.43	90.8	1.59	3.00	16.80
KAR16			125	-1.10	89.3	2.42	1.80	18.80
KAR16			160	-7.81	90.6	3.63	0.00	21.10
KAR16			200	-12.30	91.9	5.22	0.00	22.80
KAR17	6 190	6 193						
KAR17			20	25.56	63.9	0.00	5.60	7.60
KAR17			25	22.64	67.8	0.12	5.40	8.30
KAR17			32	21.68	73.3	0.19	5.20	9.20
KAR17			40	19.05	76.9	0.31	5.00	10.30
KAR17			50	18.13	82.0	0.43	4.70	11.50
KAR17			63	13.28	83.3	0.68	4.30	13.00
KAR17			80	9.67	86.1	0.99	3.70	14.80
KAR17			100	7.71	90.8	1.55	3.00	16.80
KAR17			125	-0.79	89.3	2.35	1.80	18.80
KAR17			160	-7.47	90.6	3.53	0.00	21.10
KAR17			200	-11.92	91.9	5.08	0.00	22.80
KAR18	6 872	6 875						
KAR18			20	24.65	63.9	0.00	5.60	7.60
KAR18			25	21.72	67.8	0.14	5.40	8.30
KAR18			32	20.75	73.3	0.21	5.20	9.20
KAR18			40	18.11	76.9	0.34	5.00	10.30
KAR18			50	17.17	82.0	0.48	4.70	11.50
KAR18			63	12.30	83.3	0.76	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR18			80	8.65	86.1	1.10	3.70	14.80
KAR18			100	6.64	90.8	1.72	3.00	16.80
KAR18			125	-1.96	89.3	2.61	1.80	18.80
KAR18			160	-8.76	90.6	3.92	0.00	21.10
KAR18			200	-13.38	91.9	5.64	0.00	22.80
KAR19	5 879	5 882						
KAR19			20	26.01	63.9	0.00	5.60	7.60
KAR19			25	23.09	67.8	0.12	5.40	8.30
KAR19			32	22.13	73.3	0.18	5.20	9.20
KAR19			40	19.51	76.9	0.29	5.00	10.30
KAR19			50	18.60	82.0	0.41	4.70	11.50
KAR19			63	13.76	83.3	0.65	4.30	13.00
KAR19			80	10.17	86.1	0.94	3.70	14.80
KAR19			100	8.24	90.8	1.47	3.00	16.80
KAR19			125	-0.23	89.3	2.24	1.80	18.80
KAR19			160	-6.84	90.6	3.35	0.00	21.10
KAR19			200	-11.21	91.9	4.82	0.00	22.80
KAR20	6 844	6 847						
KAR20			20	24.69	63.9	0.00	5.60	7.60
KAR20			25	21.75	67.8	0.14	5.40	8.30
KAR20			32	20.79	73.3	0.21	5.20	9.20
KAR20			40	18.15	76.9	0.34	5.00	10.30
KAR20			50	17.21	82.0	0.48	4.70	11.50
KAR20			63	12.34	83.3	0.75	4.30	13.00
KAR20			80	8.70	86.1	1.10	3.70	14.80
KAR20			100	6.68	90.8	1.71	3.00	16.80
KAR20			125	-1.91	89.3	2.60	1.80	18.80
KAR20			160	-8.71	90.6	3.90	0.00	21.10
KAR20			200	-13.32	91.9	5.61	0.00	22.80
KAR21	6 568	6 571						
KAR21			20	25.05	63.9	0.00	5.60	7.60
KAR21			25	22.12	67.8	0.13	5.40	8.30
KAR21			32	21.15	73.3	0.20	5.20	9.20
KAR21			40	18.52	76.9	0.33	5.00	10.30
KAR21			50	17.59	82.0	0.46	4.70	11.50
KAR21			63	12.73	83.3	0.72	4.30	13.00
KAR21			80	9.10	86.1	1.05	3.70	14.80
KAR21			100	7.11	90.8	1.64	3.00	16.80
KAR21			125	-1.45	89.3	2.50	1.80	18.80
KAR21			160	-8.20	90.6	3.75	0.00	21.10
KAR21			200	-12.74	91.9	5.39	0.00	22.80
KAR22	6 579	6 582						
KAR22			20	25.03	63.9	0.00	5.60	7.60
KAR22			25	22.10	67.8	0.13	5.40	8.30
KAR22			32	21.14	73.3	0.20	5.20	9.20
KAR22			40	18.50	76.9	0.33	5.00	10.30
KAR22			50	17.57	82.0	0.46	4.70	11.50
KAR22			63	12.71	83.3	0.72	4.30	13.00
KAR22			80	9.08	86.1	1.05	3.70	14.80
KAR22			100	7.09	90.8	1.65	3.00	16.80
KAR22			125	-1.47	89.3	2.50	1.80	18.80
KAR22			160	-8.22	90.6	3.75	0.00	21.10
KAR22			200	-12.76	91.9	5.40	0.00	22.80
KAR23	7 155	7 157						
KAR23			20	24.30	63.9	0.00	5.60	7.60
KAR23			25	21.36	67.8	0.14	5.40	8.30
KAR23			32	20.39	73.3	0.21	5.20	9.20
KAR23			40	17.75	76.9	0.36	5.00	10.30
KAR23			50	16.80	82.0	0.50	4.70	11.50
KAR23			63	11.92	83.3	0.79	4.30	13.00
KAR23			80	8.26	86.1	1.15	3.70	14.80
KAR23			100	6.22	90.8	1.79	3.00	16.80
KAR23			125	-2.42	89.3	2.72	1.80	18.80
KAR23			160	-9.27	90.6	4.08	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			200	-13.96	91.9	5.87	0.00	22.80
KAR24	4 306	4 310						
KAR24			20	28.71	63.9	0.00	5.60	7.60
KAR24			25	25.82	67.8	0.09	5.40	8.30
KAR24			32	24.88	73.3	0.13	5.20	9.20
KAR24			40	22.29	76.9	0.22	5.00	10.30
KAR24			50	21.41	82.0	0.30	4.70	11.50
KAR24			63	16.64	83.3	0.47	4.30	13.00
KAR24			80	13.12	86.1	0.69	3.70	14.80
KAR24			100	11.33	90.8	1.08	3.00	16.80
KAR24			125	3.07	89.3	1.64	1.80	18.80
KAR24			160	-3.25	90.6	2.46	0.00	21.10
KAR24			200	-7.22	91.9	3.53	0.00	22.80
KAR25	3 225	3 231						
KAR25			20	31.21	63.9	0.00	5.60	7.60
KAR25			25	28.35	67.8	0.06	5.40	8.30
KAR25			32	27.42	73.3	0.10	5.20	9.20
KAR25			40	24.85	76.9	0.16	5.00	10.30
KAR25			50	23.99	82.0	0.23	4.70	11.50
KAR25			63	19.26	83.3	0.36	4.30	13.00
KAR25			80	15.80	86.1	0.52	3.70	14.80
KAR25			100	14.11	90.8	0.81	3.00	16.80
KAR25			125	5.99	89.3	1.23	1.80	18.80
KAR25			160	-0.13	90.6	1.84	0.00	21.10
KAR25			200	-3.83	91.9	2.65	0.00	22.80
MAA01	2 123	2 128						
MAA01			20	34.84	63.9	0.00	5.60	7.60
MAA01			25	32.00	67.8	0.04	5.40	8.30
MAA01			32	31.08	73.3	0.06	5.20	9.20
MAA01			40	28.54	76.9	0.11	5.00	10.30
MAA01			50	27.69	82.0	0.15	4.70	11.50
MAA01			63	23.01	83.3	0.23	4.30	13.00
MAA01			80	19.60	86.1	0.34	3.70	14.80
MAA01			100	18.01	90.8	0.53	3.00	16.80
MAA01			125	10.03	89.3	0.81	1.80	18.80
MAA01			160	4.13	90.6	1.21	0.00	21.10
MAA01			200	0.70	91.9	1.74	0.00	22.80
MAA03	2 253	2 258						
MAA03			20	34.33	63.9	0.00	5.60	7.60
MAA03			25	31.48	67.8	0.05	5.40	8.30
MAA03			32	30.56	73.3	0.07	5.20	9.20
MAA03			40	28.01	76.9	0.11	5.00	10.30
MAA03			50	27.17	82.0	0.16	4.70	11.50
MAA03			63	22.48	83.3	0.25	4.30	13.00
MAA03			80	19.07	86.1	0.36	3.70	14.80
MAA03			100	17.46	90.8	0.56	3.00	16.80
MAA03			125	9.47	89.3	0.86	1.80	18.80
MAA03			160	3.54	90.6	1.29	0.00	21.10
MAA03			200	0.08	91.9	1.85	0.00	22.80
MAA04	1 600	1 607						
MAA04			20	37.28	63.9	0.00	5.60	7.60
MAA04			25	34.45	67.8	0.03	5.40	8.30
MAA04			32	33.53	73.3	0.05	5.20	9.20
MAA04			40	31.00	76.9	0.08	5.00	10.30
MAA04			50	30.17	82.0	0.11	4.70	11.50
MAA04			63	25.50	83.3	0.18	4.30	13.00
MAA04			80	22.12	86.1	0.26	3.70	14.80
MAA04			100	20.58	90.8	0.40	3.00	16.80
MAA04			125	12.67	89.3	0.61	1.80	18.80
MAA04			160	6.87	90.6	0.92	0.00	21.10
MAA04			200	3.56	91.9	1.32	0.00	22.80
MAA05	2 491	2 495						
MAA05			20	33.46	63.9	0.00	5.60	7.60
MAA05			25	30.61	67.8	0.05	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			32	29.68	73.3	0.07	5.20	9.20
MAA05			40	27.13	76.9	0.12	5.00	10.30
MAA05			50	26.28	82.0	0.17	4.70	11.50
MAA05			63	21.58	83.3	0.27	4.30	13.00
MAA05			80	18.16	86.1	0.40	3.70	14.80
MAA05			100	16.53	90.8	0.62	3.00	16.80
MAA05			125	8.51	89.3	0.95	1.80	18.80
MAA05			160	2.54	90.6	1.42	0.00	21.10
MAA05			200	-0.99	91.9	2.05	0.00	22.80
MAA06	2 999	3 002						
MAA06			20	31.85	63.9	0.00	5.60	7.60
MAA06			25	28.99	67.8	0.06	5.40	8.30
MAA06			32	28.06	73.3	0.09	5.20	9.20
MAA06			40	25.50	76.9	0.15	5.00	10.30
MAA06			50	24.64	82.0	0.21	4.70	11.50
MAA06			63	19.92	83.3	0.33	4.30	13.00
MAA06			80	16.47	86.1	0.48	3.70	14.80
MAA06			100	14.80	90.8	0.75	3.00	16.80
MAA06			125	6.71	89.3	1.14	1.80	18.80
MAA06			160	0.64	90.6	1.71	0.00	21.10
MAA06			200	-3.01	91.9	2.46	0.00	22.80
MAA07	3 164	3 167						
MAA07			20	31.39	63.9	0.00	5.60	7.60
MAA07			25	28.52	67.8	0.06	5.40	8.30
MAA07			32	27.59	73.3	0.10	5.20	9.20
MAA07			40	25.03	76.9	0.16	5.00	10.30
MAA07			50	24.16	82.0	0.22	4.70	11.50
MAA07			63	19.44	83.3	0.35	4.30	13.00
MAA07			80	15.98	86.1	0.51	3.70	14.80
MAA07			100	14.29	90.8	0.79	3.00	16.80
MAA07			125	6.18	89.3	1.20	1.80	18.80
MAA07			160	0.08	90.6	1.81	0.00	21.10
MAA07			200	-3.61	91.9	2.60	0.00	22.80
MAA08	3 315	3 318						
MAA08			20	30.98	63.9	0.00	5.60	7.60
MAA08			25	28.12	67.8	0.07	5.40	8.30
MAA08			32	27.18	73.3	0.10	5.20	9.20
MAA08			40	24.62	76.9	0.17	5.00	10.30
MAA08			50	23.75	82.0	0.23	4.70	11.50
MAA08			63	19.02	83.3	0.37	4.30	13.00
MAA08			80	15.55	86.1	0.53	3.70	14.80
MAA08			100	13.85	90.8	0.83	3.00	16.80
MAA08			125	5.72	89.3	1.26	1.80	18.80
MAA08			160	-0.41	90.6	1.89	0.00	21.10
MAA08			200	-4.14	91.9	2.72	0.00	22.80
RAH01	3 828	3 831						
RAH01			20	27.88	62.0	0.00	5.60	7.60
RAH01			25	26.31	67.2	0.08	5.40	8.30
RAH01			32	24.67	72.0	0.11	5.20	9.20
RAH01			40	23.27	76.8	0.19	5.00	10.30
RAH01			50	21.69	81.2	0.27	4.70	11.50
RAH01			63	19.44	85.0	0.42	4.30	13.00
RAH01			80	16.45	88.3	0.61	3.70	14.80
RAH01			100	12.78	91.1	0.96	3.00	16.80
RAH01			125	8.28	93.3	1.46	1.80	18.80
RAH01			160	2.43	95.0	2.18	0.00	21.10
RAH01			200	-1.61	96.1	3.14	0.00	22.80
RAH02	3 761	3 764						
RAH02			20	28.04	62.0	0.00	5.60	7.60
RAH02			25	26.46	67.2	0.08	5.40	8.30
RAH02			32	24.82	72.0	0.11	5.20	9.20
RAH02			40	23.42	76.8	0.19	5.00	10.30
RAH02			50	21.85	81.2	0.26	4.70	11.50
RAH02			63	19.60	85.0	0.41	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH02			80	16.61	88.3	0.60	3.70	14.80
RAH02			100	12.95	91.1	0.94	3.00	16.80
RAH02			125	8.46	93.3	1.43	1.80	18.80
RAH02			160	2.62	95.0	2.15	0.00	21.10
RAH02			200	-1.40	96.1	3.09	0.00	22.80
RAH03	3 170	3 174						
RAH03			20	29.52	62.0	0.00	5.60	7.60
RAH03			25	27.95	67.2	0.06	5.40	8.30
RAH03			32	26.32	72.0	0.10	5.20	9.20
RAH03			40	24.93	76.8	0.16	5.00	10.30
RAH03			50	23.37	81.2	0.22	4.70	11.50
RAH03			63	21.14	85.0	0.35	4.30	13.00
RAH03			80	18.18	88.3	0.51	3.70	14.80
RAH03			100	14.57	91.1	0.79	3.00	16.80
RAH03			125	10.16	93.3	1.21	1.80	18.80
RAH03			160	4.43	95.0	1.81	0.00	21.10
RAH03			200	0.57	96.1	2.60	0.00	22.80
RAH04	3 705	3 708						
RAH04			20	28.17	62.0	0.00	5.60	7.60
RAH04			25	26.59	67.2	0.07	5.40	8.30
RAH04			32	24.95	72.0	0.11	5.20	9.20
RAH04			40	23.56	76.8	0.19	5.00	10.30
RAH04			50	21.98	81.2	0.26	4.70	11.50
RAH04			63	19.73	85.0	0.41	4.30	13.00
RAH04			80	16.75	88.3	0.59	3.70	14.80
RAH04			100	13.09	91.1	0.93	3.00	16.80
RAH04			125	8.61	93.3	1.41	1.80	18.80
RAH04			160	2.78	95.0	2.11	0.00	21.10
RAH04			200	-1.22	96.1	3.04	0.00	22.80
RAH05	2 905	2 909						
RAH05			20	30.27	62.0	0.00	5.60	7.60
RAH05			25	28.71	67.2	0.06	5.40	8.30
RAH05			32	27.09	72.0	0.09	5.20	9.20
RAH05			40	25.70	76.8	0.15	5.00	10.30
RAH05			50	24.14	81.2	0.20	4.70	11.50
RAH05			63	21.93	85.0	0.32	4.30	13.00
RAH05			80	18.98	88.3	0.47	3.70	14.80
RAH05			100	15.40	91.1	0.73	3.00	16.80
RAH05			125	11.02	93.3	1.11	1.80	18.80
RAH05			160	5.34	95.0	1.66	0.00	21.10
RAH05			200	1.54	96.1	2.39	0.00	22.80
RAH06	3 093	3 097						
RAH06			20	29.73	62.0	0.00	5.60	7.60
RAH06			25	28.17	67.2	0.06	5.40	8.30
RAH06			32	26.54	72.0	0.09	5.20	9.20
RAH06			40	25.15	76.8	0.15	5.00	10.30
RAH06			50	23.59	81.2	0.22	4.70	11.50
RAH06			63	21.36	85.0	0.34	4.30	13.00
RAH06			80	18.41	88.3	0.50	3.70	14.80
RAH06			100	14.81	91.1	0.77	3.00	16.80
RAH06			125	10.40	93.3	1.18	1.80	18.80
RAH06			160	4.69	95.0	1.77	0.00	21.10
RAH06			200	0.84	96.1	2.54	0.00	22.80
RAH07	4 620	4 622						
RAH07			20	26.25	62.0	0.00	5.60	7.60
RAH07			25	24.66	67.2	0.09	5.40	8.30
RAH07			32	23.01	72.0	0.14	5.20	9.20
RAH07			40	21.60	76.8	0.23	5.00	10.30
RAH07			50	20.00	81.2	0.32	4.70	11.50
RAH07			63	17.72	85.0	0.51	4.30	13.00
RAH07			80	14.69	88.3	0.74	3.70	14.80
RAH07			100	10.95	91.1	1.16	3.00	16.80
RAH07			125	6.35	93.3	1.76	1.80	18.80
RAH07			160	0.34	95.0	2.63	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			200	-3.89	96.1	3.79	0.00	22.80
RAH08	4 794	4 796						
RAH08			20	25.93	62.0	0.00	5.60	7.60
RAH08			25	24.33	67.2	0.10	5.40	8.30
RAH08			32	22.69	72.0	0.14	5.20	9.20
RAH08			40	21.27	76.8	0.24	5.00	10.30
RAH08			50	19.67	81.2	0.34	4.70	11.50
RAH08			63	17.38	85.0	0.53	4.30	13.00
RAH08			80	14.34	88.3	0.77	3.70	14.80
RAH08			100	10.58	91.1	1.20	3.00	16.80
RAH08			125	5.96	93.3	1.82	1.80	18.80
RAH08			160	-0.08	95.0	2.73	0.00	21.10
RAH08			200	-4.35	96.1	3.93	0.00	22.80
RAH09	3 997	4 000						
RAH09			20	27.51	62.0	0.00	5.60	7.60
RAH09			25	25.93	67.2	0.08	5.40	8.30
RAH09			32	24.29	72.0	0.12	5.20	9.20
RAH09			40	22.88	76.8	0.20	5.00	10.30
RAH09			50	21.30	81.2	0.28	4.70	11.50
RAH09			63	19.04	85.0	0.44	4.30	13.00
RAH09			80	16.04	88.3	0.64	3.70	14.80
RAH09			100	12.36	91.1	1.00	3.00	16.80
RAH09			125	7.84	93.3	1.52	1.80	18.80
RAH09			160	1.95	95.0	2.28	0.00	21.10
RAH09			200	-2.12	96.1	3.28	0.00	22.80
RAH10	4 467	4 470						
RAH10			20	26.54	62.0	0.00	5.60	7.60
RAH10			25	24.95	67.2	0.09	5.40	8.30
RAH10			32	23.31	72.0	0.13	5.20	9.20
RAH10			40	21.89	76.8	0.22	5.00	10.30
RAH10			50	20.31	81.2	0.31	4.70	11.50
RAH10			63	18.03	85.0	0.49	4.30	13.00
RAH10			80	15.00	88.3	0.72	3.70	14.80
RAH10			100	11.28	91.1	1.12	3.00	16.80
RAH10			125	6.70	93.3	1.70	1.80	18.80
RAH10			160	0.72	95.0	2.55	0.00	21.10
RAH10			200	-3.47	96.1	3.67	0.00	22.80
RAH11	3 558	3 561						
RAH11			20	28.52	62.0	0.00	5.60	7.60
RAH11			25	26.94	67.2	0.07	5.40	8.30
RAH11			32	25.31	72.0	0.11	5.20	9.20
RAH11			40	23.91	76.8	0.18	5.00	10.30
RAH11			50	22.34	81.2	0.25	4.70	11.50
RAH11			63	20.10	85.0	0.39	4.30	13.00
RAH11			80	17.12	88.3	0.57	3.70	14.80
RAH11			100	13.48	91.1	0.89	3.00	16.80
RAH11			125	9.01	93.3	1.35	1.80	18.80
RAH11			160	3.21	95.0	2.03	0.00	21.10
RAH11			200	-0.75	96.1	2.92	0.00	22.80
RAH12	4 286	4 289						
RAH12			20	26.90	62.0	0.00	5.60	7.60
RAH12			25	25.32	67.2	0.09	5.40	8.30
RAH12			32	23.67	72.0	0.13	5.20	9.20
RAH12			40	22.26	76.8	0.21	5.00	10.30
RAH12			50	20.68	81.2	0.30	4.70	11.50
RAH12			63	18.41	85.0	0.47	4.30	13.00
RAH12			80	15.39	88.3	0.69	3.70	14.80
RAH12			100	11.68	91.1	1.07	3.00	16.80
RAH12			125	7.12	93.3	1.63	1.80	18.80
RAH12			160	1.18	95.0	2.44	0.00	21.10
RAH12			200	-2.96	96.1	3.52	0.00	22.80
RAH13	4 238	4 241						
RAH13			20	27.00	62.0	0.00	5.60	7.60
RAH13			25	25.41	67.2	0.08	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			32	23.77	72.0	0.13	5.20	9.20
RAH13			40	22.36	76.8	0.21	5.00	10.30
RAH13			50	20.78	81.2	0.30	4.70	11.50
RAH13			63	18.51	85.0	0.47	4.30	13.00
RAH13			80	15.50	88.3	0.68	3.70	14.80
RAH13			100	11.79	91.1	1.06	3.00	16.80
RAH13			125	7.24	93.3	1.61	1.80	18.80
RAH13			160	1.31	95.0	2.42	0.00	21.10
RAH13			200	-2.83	96.1	3.48	0.00	22.80
RAH14	3 593	3 596						
RAH14			20	28.43	62.0	0.00	5.60	7.60
RAH14			25	26.86	67.2	0.07	5.40	8.30
RAH14			32	25.22	72.0	0.11	5.20	9.20
RAH14			40	23.83	76.8	0.18	5.00	10.30
RAH14			50	22.26	81.2	0.25	4.70	11.50
RAH14			63	20.01	85.0	0.40	4.30	13.00
RAH14			80	17.03	88.3	0.58	3.70	14.80
RAH14			100	13.38	91.1	0.90	3.00	16.80
RAH14			125	8.92	93.3	1.37	1.80	18.80
RAH14			160	3.11	95.0	2.05	0.00	21.10
RAH14			200	-0.87	96.1	2.95	0.00	22.80
RAH15	4 470	4 473						
RAH15			20	26.54	62.0	0.00	5.60	7.60
RAH15			25	24.95	67.2	0.09	5.40	8.30
RAH15			32	23.30	72.0	0.13	5.20	9.20
RAH15			40	21.89	76.8	0.22	5.00	10.30
RAH15			50	20.30	81.2	0.31	4.70	11.50
RAH15			63	18.02	85.0	0.49	4.30	13.00
RAH15			80	15.00	88.3	0.72	3.70	14.80
RAH15			100	11.27	91.1	1.12	3.00	16.80
RAH15			125	6.69	93.3	1.70	1.80	18.80
RAH15			160	0.71	95.0	2.55	0.00	21.10
RAH15			200	-3.48	96.1	3.67	0.00	22.80
RAH16	5 069	5 072						
RAH16			20	25.45	62.0	0.00	5.60	7.60
RAH16			25	23.84	67.2	0.10	5.40	8.30
RAH16			32	22.19	72.0	0.15	5.20	9.20
RAH16			40	20.77	76.8	0.25	5.00	10.30
RAH16			50	19.17	81.2	0.36	4.70	11.50
RAH16			63	16.86	85.0	0.56	4.30	13.00
RAH16			80	13.81	88.3	0.81	3.70	14.80
RAH16			100	10.03	91.1	1.27	3.00	16.80
RAH16			125	5.37	93.3	1.93	1.80	18.80
RAH16			160	-0.72	95.0	2.89	0.00	21.10
RAH16			200	-5.06	96.1	4.16	0.00	22.80
RAH17	3 550	3 554						
RAH17			20	28.53	62.0	0.00	5.60	7.60
RAH17			25	26.96	67.2	0.07	5.40	8.30
RAH17			32	25.33	72.0	0.11	5.20	9.20
RAH17			40	23.93	76.8	0.18	5.00	10.30
RAH17			50	22.36	81.2	0.25	4.70	11.50
RAH17			63	20.12	85.0	0.39	4.30	13.00
RAH17			80	17.14	88.3	0.57	3.70	14.80
RAH17			100	13.50	91.1	0.89	3.00	16.80
RAH17			125	9.04	93.3	1.35	1.80	18.80
RAH17			160	3.24	95.0	2.03	0.00	21.10
RAH17			200	-0.73	96.1	2.91	0.00	22.80
RAH18	4 156	4 160						
RAH18			20	27.17	62.0	0.00	5.60	7.60
RAH18			25	25.58	67.2	0.08	5.40	8.30
RAH18			32	23.94	72.0	0.12	5.20	9.20
RAH18			40	22.54	76.8	0.21	5.00	10.30
RAH18			50	20.95	81.2	0.29	4.70	11.50
RAH18			63	18.69	85.0	0.46	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH18			80	15.68	88.3	0.67	3.70	14.80
RAH18			100	11.98	91.1	1.04	3.00	16.80
RAH18			125	7.44	93.3	1.58	1.80	18.80
RAH18			160	1.52	95.0	2.37	0.00	21.10
RAH18			200	-2.59	96.1	3.41	0.00	22.80
RAH19	4 172	4 175						
RAH19			20	27.13	62.0	0.00	5.60	7.60
RAH19			25	25.55	67.2	0.08	5.40	8.30
RAH19			32	23.91	72.0	0.13	5.20	9.20
RAH19			40	22.50	76.8	0.21	5.00	10.30
RAH19			50	20.92	81.2	0.29	4.70	11.50
RAH19			63	18.65	85.0	0.46	4.30	13.00
RAH19			80	15.64	88.3	0.67	3.70	14.80
RAH19			100	11.94	91.1	1.04	3.00	16.80
RAH19			125	7.40	93.3	1.59	1.80	18.80
RAH19			160	1.48	95.0	2.38	0.00	21.10
RAH19			200	-2.64	96.1	3.42	0.00	22.80
SIL01	10 098	10 099						
SIL01			20	20.74	63.3	0.00	5.60	7.60
SIL01			25	18.93	68.4	0.20	5.40	8.30
SIL01			32	12.94	68.9	0.30	5.20	9.20
SIL01			40	9.83	72.1	0.50	5.00	10.30
SIL01			50	8.43	76.8	0.71	4.70	11.50
SIL01			63	5.11	79.8	1.11	4.30	13.00
SIL01			80	1.31	82.6	1.62	3.70	14.80
SIL01			100	-2.28	86.0	2.52	3.00	16.80
SIL01			125	-6.54	89.3	3.84	1.80	18.80
SIL01			160	-16.36	88.2	5.76	0.00	21.10
SIL01			200	-21.28	90.0	8.28	0.00	22.80
SIL02	9 586	9 588						
SIL02			20	21.19	63.3	0.00	5.60	7.60
SIL02			25	19.39	68.4	0.19	5.40	8.30
SIL02			32	13.41	68.9	0.29	5.20	9.20
SIL02			40	10.31	72.1	0.48	5.00	10.30
SIL02			50	8.92	76.8	0.67	4.70	11.50
SIL02			63	5.62	79.8	1.05	4.30	13.00
SIL02			80	1.84	82.6	1.53	3.70	14.80
SIL02			100	-1.70	86.0	2.40	3.00	16.80
SIL02			125	-5.89	89.3	3.64	1.80	18.80
SIL02			160	-15.62	88.2	5.46	0.00	21.10
SIL02			200	-20.41	90.0	7.86	0.00	22.80
SIL03	8 944	8 945						
SIL03			20	21.79	63.3	0.00	5.60	7.60
SIL03			25	20.01	68.4	0.18	5.40	8.30
SIL03			32	14.03	68.9	0.27	5.20	9.20
SIL03			40	10.94	72.1	0.45	5.00	10.30
SIL03			50	9.57	76.8	0.63	4.70	11.50
SIL03			63	6.29	79.8	0.98	4.30	13.00
SIL03			80	2.55	82.6	1.43	3.70	14.80
SIL03			100	-0.94	86.0	2.24	3.00	16.80
SIL03			125	-5.04	89.3	3.40	1.80	18.80
SIL03			160	-14.65	88.2	5.10	0.00	21.10
SIL03			200	-19.28	90.0	7.34	0.00	22.80
SIL04	8 957	8 959						
SIL04			20	21.78	63.3	0.00	5.60	7.60
SIL04			25	19.99	68.4	0.18	5.40	8.30
SIL04			32	14.02	68.9	0.27	5.20	9.20
SIL04			40	10.93	72.1	0.45	5.00	10.30
SIL04			50	9.55	76.8	0.63	4.70	11.50
SIL04			63	6.28	79.8	0.99	4.30	13.00
SIL04			80	2.53	82.6	1.43	3.70	14.80
SIL04			100	-0.96	86.0	2.24	3.00	16.80
SIL04			125	-5.06	89.3	3.40	1.80	18.80
SIL04			160	-14.67	88.2	5.11	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			200	-19.30	90.0	7.35	0.00	22.80
SIL05	9 850	9 851						
SIL05			20	20.95	63.3	0.00	5.60	7.60
SIL05			25	19.15	68.4	0.20	5.40	8.30
SIL05			32	13.16	68.9	0.30	5.20	9.20
SIL05			40	10.06	72.1	0.49	5.00	10.30
SIL05			50	8.66	76.8	0.69	4.70	11.50
SIL05			63	5.35	79.8	1.08	4.30	13.00
SIL05			80	1.57	82.6	1.58	3.70	14.80
SIL05			100	-2.00	86.0	2.46	3.00	16.80
SIL05			125	-6.22	89.3	3.74	1.80	18.80
SIL05			160	-16.00	88.2	5.62	0.00	21.10
SIL05			200	-20.86	90.0	8.08	0.00	22.80
SIL06	9 466	9 467						
SIL06			20	21.30	63.3	0.00	5.60	7.60
SIL06			25	19.50	68.4	0.19	5.40	8.30
SIL06			32	13.52	68.9	0.28	5.20	9.20
SIL06			40	10.43	72.1	0.47	5.00	10.30
SIL06			50	9.04	76.8	0.66	4.70	11.50
SIL06			63	5.74	79.8	1.04	4.30	13.00
SIL06			80	1.97	82.6	1.51	3.70	14.80
SIL06			100	-1.56	86.0	2.37	3.00	16.80
SIL06			125	-5.73	89.3	3.60	1.80	18.80
SIL06			160	-15.44	88.2	5.40	0.00	21.10
SIL06			200	-20.20	90.0	7.76	0.00	22.80
SIL07	8 907	8 909						
SIL07			20	21.83	63.3	0.00	5.60	7.60
SIL07			25	20.04	68.4	0.18	5.40	8.30
SIL07			32	14.07	68.9	0.27	5.20	9.20
SIL07			40	10.98	72.1	0.45	5.00	10.30
SIL07			50	9.60	76.8	0.62	4.70	11.50
SIL07			63	6.33	79.8	0.98	4.30	13.00
SIL07			80	2.59	82.6	1.43	3.70	14.80
SIL07			100	-0.89	86.0	2.23	3.00	16.80
SIL07			125	-4.99	89.3	3.39	1.80	18.80
SIL07			160	-14.59	88.2	5.08	0.00	21.10
SIL07			200	-19.21	90.0	7.31	0.00	22.80
SIL08	9 269	9 270						
SIL08			20	21.48	63.3	0.00	5.60	7.60
SIL08			25	19.69	68.4	0.19	5.40	8.30
SIL08			32	13.71	68.9	0.28	5.20	9.20
SIL08			40	10.62	72.1	0.46	5.00	10.30
SIL08			50	9.23	76.8	0.65	4.70	11.50
SIL08			63	5.94	79.8	1.02	4.30	13.00
SIL08			80	2.19	82.6	1.48	3.70	14.80
SIL08			100	-1.33	86.0	2.32	3.00	16.80
SIL08			125	-5.48	89.3	3.52	1.80	18.80
SIL08			160	-15.14	88.2	5.28	0.00	21.10
SIL08			200	-19.86	90.0	7.60	0.00	22.80
Sum								
Sum			20	46.47				
Sum			25	44.01				
Sum			32	42.77				
Sum			40	40.57				
Sum			50	39.47				
Sum			63	35.69				
Sum			80	32.44				
Sum			100	29.90				
Sum			125	23.50				
Sum			160	17.53				
Sum			200	13.66				

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Noise sensitive area: AG Noise sensitive point: Finnish normal frequency - User defined (11)

Wind speed: 8.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	7 798	7 800						
KAR01			20	23.56	63.9	0.00	5.60	7.60
KAR01			25	20.60	67.8	0.16	5.40	8.30
KAR01			32	19.62	73.3	0.23	5.20	9.20
KAR01			40	16.97	76.9	0.39	5.00	10.30
KAR01			50	16.01	82.0	0.55	4.70	11.50
KAR01			63	11.10	83.3	0.86	4.30	13.00
KAR01			80	7.41	86.1	1.25	3.70	14.80
KAR01			100	5.31	90.8	1.95	3.00	16.80
KAR01			125	-3.41	89.3	2.96	1.80	18.80
KAR01			160	-10.39	90.6	4.45	0.00	21.10
KAR01			200	-15.24	91.9	6.40	0.00	22.80
KAR02	6 969	6 971						
KAR02			20	24.53	63.9	0.00	5.60	7.60
KAR02			25	21.59	67.8	0.14	5.40	8.30
KAR02			32	20.62	73.3	0.21	5.20	9.20
KAR02			40	17.99	76.9	0.35	5.00	10.30
KAR02			50	17.05	82.0	0.49	4.70	11.50
KAR02			63	12.17	83.3	0.77	4.30	13.00
KAR02			80	8.52	86.1	1.12	3.70	14.80
KAR02			100	6.49	90.8	1.74	3.00	16.80
KAR02			125	-2.12	89.3	2.65	1.80	18.80
KAR02			160	-8.94	90.6	3.97	0.00	21.10
KAR02			200	-13.58	91.9	5.72	0.00	22.80
KAR03	7 614	7 616						
KAR03			20	23.77	63.9	0.00	5.60	7.60
KAR03			25	20.81	67.8	0.15	5.40	8.30
KAR03			32	19.84	73.3	0.23	5.20	9.20
KAR03			40	17.18	76.9	0.38	5.00	10.30
KAR03			50	16.23	82.0	0.53	4.70	11.50
KAR03			63	11.33	83.3	0.84	4.30	13.00
KAR03			80	7.65	86.1	1.22	3.70	14.80
KAR03			100	5.56	90.8	1.90	3.00	16.80
KAR03			125	-3.13	89.3	2.89	1.80	18.80
KAR03			160	-10.08	90.6	4.34	0.00	21.10
KAR03			200	-14.88	91.9	6.25	0.00	22.80
KAR04	8 333	8 335						
KAR04			20	22.98	63.9	0.00	5.60	7.60
KAR04			25	20.02	67.8	0.17	5.40	8.30
KAR04			32	19.03	73.3	0.25	5.20	9.20
KAR04			40	16.37	76.9	0.42	5.00	10.30
KAR04			50	15.40	82.0	0.58	4.70	11.50
KAR04			63	10.46	83.3	0.92	4.30	13.00
KAR04			80	6.75	86.1	1.33	3.70	14.80
KAR04			100	4.60	90.8	2.08	3.00	16.80
KAR04			125	-4.19	89.3	3.17	1.80	18.80
KAR04			160	-11.27	90.6	4.75	0.00	21.10
KAR04			200	-16.25	91.9	6.83	0.00	22.80
KAR05	9 040	9 043						
KAR05			20	22.27	63.9	0.00	5.60	7.60
KAR05			25	19.29	67.8	0.18	5.40	8.30
KAR05			32	18.30	73.3	0.27	5.20	9.20
KAR05			40	15.62	76.9	0.45	5.00	10.30
KAR05			50	14.64	82.0	0.63	4.70	11.50
KAR05			63	9.68	83.3	0.99	4.30	13.00
KAR05			80	5.93	86.1	1.45	3.70	14.80
KAR05			100	3.71	90.8	2.26	3.00	16.80
KAR05			125	-5.16	89.3	3.44	1.80	18.80
KAR05			160	-12.38	90.6	5.15	0.00	21.10
KAR05			200	-17.54	91.9	7.41	0.00	22.80
KAR06	7 764	7 766						
KAR06			20	23.60	63.9	0.00	5.60	7.60
KAR06			25	20.64	67.8	0.16	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			32	19.66	73.3	0.23	5.20	9.20
KAR06			40	17.01	76.9	0.39	5.00	10.30
KAR06			50	16.05	82.0	0.54	4.70	11.50
KAR06			63	11.14	83.3	0.85	4.30	13.00
KAR06			80	7.45	86.1	1.24	3.70	14.80
KAR06			100	5.35	90.8	1.94	3.00	16.80
KAR06			125	-3.36	89.3	2.95	1.80	18.80
KAR06			160	-10.33	90.6	4.43	0.00	21.10
KAR06			200	-15.17	91.9	6.37	0.00	22.80
KAR07	7 122	7 125						
KAR07			20	24.34	63.9	0.00	5.60	7.60
KAR07			25	21.40	67.8	0.14	5.40	8.30
KAR07			32	20.43	73.3	0.21	5.20	9.20
KAR07			40	17.79	76.9	0.36	5.00	10.30
KAR07			50	16.85	82.0	0.50	4.70	11.50
KAR07			63	11.96	83.3	0.78	4.30	13.00
KAR07			80	8.30	86.1	1.14	3.70	14.80
KAR07			100	6.26	90.8	1.78	3.00	16.80
KAR07			125	-2.36	89.3	2.71	1.80	18.80
KAR07			160	-9.22	90.6	4.06	0.00	21.10
KAR07			200	-13.90	91.9	5.84	0.00	22.80
KAR08	6 564	6 567						
KAR08			20	25.05	63.9	0.00	5.60	7.60
KAR08			25	22.12	67.8	0.13	5.40	8.30
KAR08			32	21.16	73.3	0.20	5.20	9.20
KAR08			40	18.52	76.9	0.33	5.00	10.30
KAR08			50	17.59	82.0	0.46	4.70	11.50
KAR08			63	12.73	83.3	0.72	4.30	13.00
KAR08			80	9.10	86.1	1.05	3.70	14.80
KAR08			100	7.11	90.8	1.64	3.00	16.80
KAR08			125	-1.44	89.3	2.50	1.80	18.80
KAR08			160	-8.19	90.6	3.74	0.00	21.10
KAR08			200	-12.73	91.9	5.38	0.00	22.80
KAR09	9 241	9 244						
KAR09			20	22.08	63.9	0.00	5.60	7.60
KAR09			25	19.10	67.8	0.18	5.40	8.30
KAR09			32	18.11	73.3	0.28	5.20	9.20
KAR09			40	15.42	76.9	0.46	5.00	10.30
KAR09			50	14.44	82.0	0.65	4.70	11.50
KAR09			63	9.47	83.3	1.02	4.30	13.00
KAR09			80	5.70	86.1	1.48	3.70	14.80
KAR09			100	3.47	90.8	2.31	3.00	16.80
KAR09			125	-5.43	89.3	3.51	1.80	18.80
KAR09			160	-12.69	90.6	5.27	0.00	21.10
KAR09			200	-17.90	91.9	7.58	0.00	22.80
KAR10	8 656	8 659						
KAR10			20	22.65	63.9	0.00	5.60	7.60
KAR10			25	19.68	67.8	0.17	5.40	8.30
KAR10			32	18.69	73.3	0.26	5.20	9.20
KAR10			40	16.02	76.9	0.43	5.00	10.30
KAR10			50	15.04	82.0	0.61	4.70	11.50
KAR10			63	10.10	83.3	0.95	4.30	13.00
KAR10			80	6.37	86.1	1.39	3.70	14.80
KAR10			100	4.19	90.8	2.16	3.00	16.80
KAR10			125	-4.64	89.3	3.29	1.80	18.80
KAR10			160	-11.78	90.6	4.94	0.00	21.10
KAR10			200	-16.85	91.9	7.10	0.00	22.80
KAR11	7 820	7 823						
KAR11			20	23.53	63.9	0.00	5.60	7.60
KAR11			25	20.58	67.8	0.16	5.40	8.30
KAR11			32	19.60	73.3	0.23	5.20	9.20
KAR11			40	16.94	76.9	0.39	5.00	10.30
KAR11			50	15.99	82.0	0.55	4.70	11.50
KAR11			63	11.07	83.3	0.86	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			80	7.38	86.1	1.25	3.70	14.80
KAR11			100	5.28	90.8	1.96	3.00	16.80
KAR11			125	-3.44	89.3	2.97	1.80	18.80
KAR11			160	-10.43	90.6	4.46	0.00	21.10
KAR11			200	-15.28	91.9	6.41	0.00	22.80
KAR12	8 803	8 805						
KAR12			20	22.51	63.9	0.00	5.60	7.60
KAR12			25	19.53	67.8	0.18	5.40	8.30
KAR12			32	18.54	73.3	0.26	5.20	9.20
KAR12			40	15.86	76.9	0.44	5.00	10.30
KAR12			50	14.89	82.0	0.62	4.70	11.50
KAR12			63	9.94	83.3	0.97	4.30	13.00
KAR12			80	6.20	86.1	1.41	3.70	14.80
KAR12			100	4.00	90.8	2.20	3.00	16.80
KAR12			125	-4.84	89.3	3.35	1.80	18.80
KAR12			160	-12.01	90.6	5.02	0.00	21.10
KAR12			200	-17.12	91.9	7.22	0.00	22.80
KAR13	7 840	7 842						
KAR13			20	23.51	63.9	0.00	5.60	7.60
KAR13			25	20.55	67.8	0.16	5.40	8.30
KAR13			32	19.58	73.3	0.24	5.20	9.20
KAR13			40	16.92	76.9	0.39	5.00	10.30
KAR13			50	15.96	82.0	0.55	4.70	11.50
KAR13			63	11.05	83.3	0.86	4.30	13.00
KAR13			80	7.36	86.1	1.25	3.70	14.80
KAR13			100	5.25	90.8	1.96	3.00	16.80
KAR13			125	-3.47	89.3	2.98	1.80	18.80
KAR13			160	-10.46	90.6	4.47	0.00	21.10
KAR13			200	-15.32	91.9	6.43	0.00	22.80
KAR14	9 398	9 400						
KAR14			20	21.94	63.9	0.00	5.60	7.60
KAR14			25	18.95	67.8	0.19	5.40	8.30
KAR14			32	17.96	73.3	0.28	5.20	9.20
KAR14			40	15.27	76.9	0.47	5.00	10.30
KAR14			50	14.28	82.0	0.66	4.70	11.50
KAR14			63	9.30	83.3	1.03	4.30	13.00
KAR14			80	5.53	86.1	1.50	3.70	14.80
KAR14			100	3.29	90.8	2.35	3.00	16.80
KAR14			125	-5.63	89.3	3.57	1.80	18.80
KAR14			160	-12.92	90.6	5.36	0.00	21.10
KAR14			200	-18.17	91.9	7.71	0.00	22.80
KAR15	7 404	7 407						
KAR15			20	24.01	63.9	0.00	5.60	7.60
KAR15			25	21.06	67.8	0.15	5.40	8.30
KAR15			32	20.09	73.3	0.22	5.20	9.20
KAR15			40	17.44	76.9	0.37	5.00	10.30
KAR15			50	16.49	82.0	0.52	4.70	11.50
KAR15			63	11.59	83.3	0.81	4.30	13.00
KAR15			80	7.92	86.1	1.19	3.70	14.80
KAR15			100	5.86	90.8	1.85	3.00	16.80
KAR15			125	-2.81	89.3	2.81	1.80	18.80
KAR15			160	-9.71	90.6	4.22	0.00	21.10
KAR15			200	-14.47	91.9	6.07	0.00	22.80
KAR16	9 305	9 307						
KAR16			20	22.02	63.9	0.00	5.60	7.60
KAR16			25	19.04	67.8	0.19	5.40	8.30
KAR16			32	18.04	73.3	0.28	5.20	9.20
KAR16			40	15.36	76.9	0.47	5.00	10.30
KAR16			50	14.37	82.0	0.65	4.70	11.50
KAR16			63	9.40	83.3	1.02	4.30	13.00
KAR16			80	5.63	86.1	1.49	3.70	14.80
KAR16			100	3.40	90.8	2.33	3.00	16.80
KAR16			125	-5.51	89.3	3.54	1.80	18.80
KAR16			160	-12.78	90.6	5.31	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			200	-18.01	91.9	7.63	0.00	22.80
KAR17	8 839	8 841						
KAR17			20	22.47	63.9	0.00	5.60	7.60
KAR17			25	19.49	67.8	0.18	5.40	8.30
KAR17			32	18.50	73.3	0.27	5.20	9.20
KAR17			40	15.83	76.9	0.44	5.00	10.30
KAR17			50	14.85	82.0	0.62	4.70	11.50
KAR17			63	9.90	83.3	0.97	4.30	13.00
KAR17			80	6.16	86.1	1.41	3.70	14.80
KAR17			100	3.96	90.8	2.21	3.00	16.80
KAR17			125	-4.89	89.3	3.36	1.80	18.80
KAR17			160	-12.07	90.6	5.04	0.00	21.10
KAR17			200	-17.18	91.9	7.25	0.00	22.80
KAR18	9 990	9 993						
KAR18			20	21.41	63.9	0.00	5.60	7.60
KAR18			25	18.41	67.8	0.20	5.40	8.30
KAR18			32	17.41	73.3	0.30	5.20	9.20
KAR18			40	14.71	76.9	0.50	5.00	10.30
KAR18			50	13.71	82.0	0.70	4.70	11.50
KAR18			63	8.71	83.3	1.10	4.30	13.00
KAR18			80	4.91	86.1	1.60	3.70	14.80
KAR18			100	2.61	90.8	2.50	3.00	16.80
KAR18			125	-6.39	89.3	3.80	1.80	18.80
KAR18			160	-13.79	90.6	5.70	0.00	21.10
KAR18			200	-19.19	91.9	8.19	0.00	22.80
KAR19	7 787	7 789						
KAR19			20	23.57	63.9	0.00	5.60	7.60
KAR19			25	20.61	67.8	0.16	5.40	8.30
KAR19			32	19.64	73.3	0.23	5.20	9.20
KAR19			40	16.98	76.9	0.39	5.00	10.30
KAR19			50	16.02	82.0	0.55	4.70	11.50
KAR19			63	11.11	83.3	0.86	4.30	13.00
KAR19			80	7.42	86.1	1.25	3.70	14.80
KAR19			100	5.32	90.8	1.95	3.00	16.80
KAR19			125	-3.39	89.3	2.96	1.80	18.80
KAR19			160	-10.37	90.6	4.44	0.00	21.10
KAR19			200	-15.22	91.9	6.39	0.00	22.80
KAR20	9 516	9 518						
KAR20			20	21.83	63.9	0.00	5.60	7.60
KAR20			25	18.84	67.8	0.19	5.40	8.30
KAR20			32	17.84	73.3	0.29	5.20	9.20
KAR20			40	15.15	76.9	0.48	5.00	10.30
KAR20			50	14.16	82.0	0.67	4.70	11.50
KAR20			63	9.18	83.3	1.05	4.30	13.00
KAR20			80	5.41	86.1	1.52	3.70	14.80
KAR20			100	3.15	90.8	2.38	3.00	16.80
KAR20			125	-5.79	89.3	3.62	1.80	18.80
KAR20			160	-13.10	90.6	5.43	0.00	21.10
KAR20			200	-18.38	91.9	7.80	0.00	22.80
KAR21	8 905	8 907						
KAR21			20	22.41	63.9	0.00	5.60	7.60
KAR21			25	19.43	67.8	0.18	5.40	8.30
KAR21			32	18.44	73.3	0.27	5.20	9.20
KAR21			40	15.76	76.9	0.45	5.00	10.30
KAR21			50	14.78	82.0	0.62	4.70	11.50
KAR21			63	9.83	83.3	0.98	4.30	13.00
KAR21			80	6.08	86.1	1.43	3.70	14.80
KAR21			100	3.88	90.8	2.23	3.00	16.80
KAR21			125	-4.98	89.3	3.38	1.80	18.80
KAR21			160	-12.17	90.6	5.08	0.00	21.10
KAR21			200	-17.30	91.9	7.30	0.00	22.80
KAR22	8 611	8 614						
KAR22			20	22.70	63.9	0.00	5.60	7.60
KAR22			25	19.72	67.8	0.17	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			32	18.74	73.3	0.26	5.20	9.20
KAR22			40	16.07	76.9	0.43	5.00	10.30
KAR22			50	15.09	82.0	0.60	4.70	11.50
KAR22			63	10.15	83.3	0.95	4.30	13.00
KAR22			80	6.42	86.1	1.38	3.70	14.80
KAR22			100	4.24	90.8	2.15	3.00	16.80
KAR22			125	-4.58	89.3	3.27	1.80	18.80
KAR22			160	-11.71	90.6	4.91	0.00	21.10
KAR22			200	-16.77	91.9	7.06	0.00	22.80
KAR23	9 203	9 206						
KAR23			20	22.12	63.9	0.00	5.60	7.60
KAR23			25	19.13	67.8	0.18	5.40	8.30
KAR23			32	18.14	73.3	0.28	5.20	9.20
KAR23			40	15.46	76.9	0.46	5.00	10.30
KAR23			50	14.47	82.0	0.64	4.70	11.50
KAR23			63	9.51	83.3	1.01	4.30	13.00
KAR23			80	5.75	86.1	1.47	3.70	14.80
KAR23			100	3.52	90.8	2.30	3.00	16.80
KAR23			125	-5.38	89.3	3.50	1.80	18.80
KAR23			160	-12.63	90.6	5.25	0.00	21.10
KAR23			200	-17.83	91.9	7.55	0.00	22.80
KAR24	8 374	8 377						
KAR24			20	22.94	63.9	0.00	5.60	7.60
KAR24			25	19.97	67.8	0.17	5.40	8.30
KAR24			32	18.99	73.3	0.25	5.20	9.20
KAR24			40	16.32	76.9	0.42	5.00	10.30
KAR24			50	15.35	82.0	0.59	4.70	11.50
KAR24			63	10.42	83.3	0.92	4.30	13.00
KAR24			80	6.70	86.1	1.34	3.70	14.80
KAR24			100	4.54	90.8	2.09	3.00	16.80
KAR24			125	-4.24	89.3	3.18	1.80	18.80
KAR24			160	-11.34	90.6	4.77	0.00	21.10
KAR24			200	-16.33	91.9	6.87	0.00	22.80
KAR25	6 962	6 965						
KAR25			20	24.54	63.9	0.00	5.60	7.60
KAR25			25	21.60	67.8	0.14	5.40	8.30
KAR25			32	20.63	73.3	0.21	5.20	9.20
KAR25			40	17.99	76.9	0.35	5.00	10.30
KAR25			50	17.05	82.0	0.49	4.70	11.50
KAR25			63	12.18	83.3	0.77	4.30	13.00
KAR25			80	8.53	86.1	1.11	3.70	14.80
KAR25			100	6.50	90.8	1.74	3.00	16.80
KAR25			125	-2.11	89.3	2.65	1.80	18.80
KAR25			160	-8.93	90.6	3.97	0.00	21.10
KAR25			200	-13.57	91.9	5.71	0.00	22.80
MAA01	4 916	4 918						
MAA01			20	27.56	63.9	0.00	5.60	7.60
MAA01			25	24.67	67.8	0.10	5.40	8.30
MAA01			32	23.72	73.3	0.15	5.20	9.20
MAA01			40	21.12	76.9	0.25	5.00	10.30
MAA01			50	20.22	82.0	0.34	4.70	11.50
MAA01			63	15.42	83.3	0.54	4.30	13.00
MAA01			80	11.88	86.1	0.79	3.70	14.80
MAA01			100	10.03	90.8	1.23	3.00	16.80
MAA01			125	1.70	89.3	1.87	1.80	18.80
MAA01			160	-4.74	90.6	2.80	0.00	21.10
MAA01			200	-8.87	91.9	4.03	0.00	22.80
MAA03	4 229	4 232						
MAA03			20	28.87	63.9	0.00	5.60	7.60
MAA03			25	25.98	67.8	0.08	5.40	8.30
MAA03			32	25.04	73.3	0.13	5.20	9.20
MAA03			40	22.46	76.9	0.21	5.00	10.30
MAA03			50	21.57	82.0	0.30	4.70	11.50
MAA03			63	16.80	83.3	0.47	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			80	13.29	86.1	0.68	3.70	14.80
MAA03			100	11.51	90.8	1.06	3.00	16.80
MAA03			125	3.26	89.3	1.61	1.80	18.80
MAA03			160	-3.04	90.6	2.41	0.00	21.10
MAA03			200	-7.00	91.9	3.47	0.00	22.80
MAA04	3 337	3 340						
MAA04			20	30.92	63.9	0.00	5.60	7.60
MAA04			25	28.06	67.8	0.07	5.40	8.30
MAA04			32	27.12	73.3	0.10	5.20	9.20
MAA04			40	24.56	76.9	0.17	5.00	10.30
MAA04			50	23.69	82.0	0.23	4.70	11.50
MAA04			63	18.96	83.3	0.37	4.30	13.00
MAA04			80	15.49	86.1	0.53	3.70	14.80
MAA04			100	13.79	90.8	0.84	3.00	16.80
MAA04			125	5.66	89.3	1.27	1.80	18.80
MAA04			160	-0.48	90.6	1.90	0.00	21.10
MAA04			200	-4.21	91.9	2.74	0.00	22.80
MAA05	3 547	3 550						
MAA05			20	30.39	63.9	0.00	5.60	7.60
MAA05			25	27.52	67.8	0.07	5.40	8.30
MAA05			32	26.59	73.3	0.11	5.20	9.20
MAA05			40	24.02	76.9	0.18	5.00	10.30
MAA05			50	23.15	82.0	0.25	4.70	11.50
MAA05			63	18.40	83.3	0.39	4.30	13.00
MAA05			80	14.93	86.1	0.57	3.70	14.80
MAA05			100	13.21	90.8	0.89	3.00	16.80
MAA05			125	5.05	89.3	1.35	1.80	18.80
MAA05			160	-1.13	90.6	2.02	0.00	21.10
MAA05			200	-4.92	91.9	2.91	0.00	22.80
MAA06	2 344	2 348						
MAA06			20	33.99	63.9	0.00	5.60	7.60
MAA06			25	31.14	67.8	0.05	5.40	8.30
MAA06			32	30.22	73.3	0.07	5.20	9.20
MAA06			40	27.67	76.9	0.12	5.00	10.30
MAA06			50	26.82	82.0	0.16	4.70	11.50
MAA06			63	22.13	83.3	0.26	4.30	13.00
MAA06			80	18.71	86.1	0.38	3.70	14.80
MAA06			100	17.10	90.8	0.59	3.00	16.80
MAA06			125	9.09	89.3	0.89	1.80	18.80
MAA06			160	3.15	90.6	1.34	0.00	21.10
MAA06			200	-0.34	91.9	1.93	0.00	22.80
MAA07	1 684	1 691						
MAA07			20	36.84	63.9	0.00	5.60	7.60
MAA07			25	34.00	67.8	0.03	5.40	8.30
MAA07			32	33.08	73.3	0.05	5.20	9.20
MAA07			40	30.55	76.9	0.08	5.00	10.30
MAA07			50	29.72	82.0	0.12	4.70	11.50
MAA07			63	25.05	83.3	0.19	4.30	13.00
MAA07			80	21.66	86.1	0.27	3.70	14.80
MAA07			100	20.11	90.8	0.42	3.00	16.80
MAA07			125	12.19	89.3	0.64	1.80	18.80
MAA07			160	6.37	90.6	0.96	0.00	21.10
MAA07			200	3.05	91.9	1.39	0.00	22.80
MAA08	1 261	1 270						
MAA08			20	39.33	63.9	0.00	5.60	7.60
MAA08			25	36.50	67.8	0.03	5.40	8.30
MAA08			32	35.59	73.3	0.04	5.20	9.20
MAA08			40	33.06	76.9	0.06	5.00	10.30
MAA08			50	32.24	82.0	0.09	4.70	11.50
MAA08			63	27.59	83.3	0.14	4.30	13.00
MAA08			80	24.22	86.1	0.20	3.70	14.80
MAA08			100	22.71	90.8	0.32	3.00	16.80
MAA08			125	14.84	89.3	0.48	1.80	18.80
MAA08			160	9.10	90.6	0.72	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			200	5.88	91.9	1.04	0.00	22.80
RAH01	6 178	6 181						
RAH01			20	23.73	62.0	0.00	5.60	7.60
RAH01			25	22.10	67.2	0.12	5.40	8.30
RAH01			32	20.44	72.0	0.19	5.20	9.20
RAH01			40	18.99	76.8	0.31	5.00	10.30
RAH01			50	17.37	81.2	0.43	4.70	11.50
RAH01			63	15.02	85.0	0.68	4.30	13.00
RAH01			80	11.91	88.3	0.99	3.70	14.80
RAH01			100	8.03	91.1	1.55	3.00	16.80
RAH01			125	3.23	93.3	2.35	1.80	18.80
RAH01			160	-3.07	95.0	3.52	0.00	21.10
RAH01			200	-7.69	96.1	5.07	0.00	22.80
RAH02	5 483	5 485						
RAH02			20	24.76	62.0	0.00	5.60	7.60
RAH02			25	23.15	67.2	0.11	5.40	8.30
RAH02			32	21.50	72.0	0.16	5.20	9.20
RAH02			40	20.07	76.8	0.27	5.00	10.30
RAH02			50	18.46	81.2	0.38	4.70	11.50
RAH02			63	16.14	85.0	0.60	4.30	13.00
RAH02			80	13.06	88.3	0.88	3.70	14.80
RAH02			100	9.24	91.1	1.37	3.00	16.80
RAH02			125	4.53	93.3	2.08	1.80	18.80
RAH02			160	-1.63	95.0	3.13	0.00	21.10
RAH02			200	-6.08	96.1	4.50	0.00	22.80
RAH03	5 588	5 590						
RAH03			20	24.60	62.0	0.00	5.60	7.60
RAH03			25	22.99	67.2	0.11	5.40	8.30
RAH03			32	21.33	72.0	0.17	5.20	9.20
RAH03			40	19.90	76.8	0.28	5.00	10.30
RAH03			50	18.28	81.2	0.39	4.70	11.50
RAH03			63	15.96	85.0	0.61	4.30	13.00
RAH03			80	12.88	88.3	0.89	3.70	14.80
RAH03			100	9.05	91.1	1.40	3.00	16.80
RAH03			125	4.33	93.3	2.12	1.80	18.80
RAH03			160	-1.86	95.0	3.19	0.00	21.10
RAH03			200	-6.33	96.1	4.58	0.00	22.80
RAH04	4 865	4 868						
RAH04			20	25.80	62.0	0.00	5.60	7.60
RAH04			25	24.20	67.2	0.10	5.40	8.30
RAH04			32	22.56	72.0	0.15	5.20	9.20
RAH04			40	21.13	76.8	0.24	5.00	10.30
RAH04			50	19.54	81.2	0.34	4.70	11.50
RAH04			63	17.24	85.0	0.54	4.30	13.00
RAH04			80	14.20	88.3	0.78	3.70	14.80
RAH04			100	10.44	91.1	1.22	3.00	16.80
RAH04			125	5.80	93.3	1.85	1.80	18.80
RAH04			160	-0.25	95.0	2.77	0.00	21.10
RAH04			200	-4.54	96.1	3.99	0.00	22.80
RAH05	4 636	4 638						
RAH05			20	26.22	62.0	0.00	5.60	7.60
RAH05			25	24.63	67.2	0.09	5.40	8.30
RAH05			32	22.98	72.0	0.14	5.20	9.20
RAH05			40	21.56	76.8	0.23	5.00	10.30
RAH05			50	19.97	81.2	0.32	4.70	11.50
RAH05			63	17.69	85.0	0.51	4.30	13.00
RAH05			80	14.65	88.3	0.74	3.70	14.80
RAH05			100	10.91	91.1	1.16	3.00	16.80
RAH05			125	6.31	93.3	1.76	1.80	18.80
RAH05			160	0.30	95.0	2.64	0.00	21.10
RAH05			200	-3.93	96.1	3.80	0.00	22.80
RAH06	3 995	3 998						
RAH06			20	27.51	62.0	0.00	5.60	7.60
RAH06			25	25.93	67.2	0.08	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			32	24.29	72.0	0.12	5.20	9.20
RAH06			40	22.89	76.8	0.20	5.00	10.30
RAH06			50	21.31	81.2	0.28	4.70	11.50
RAH06			63	19.05	85.0	0.44	4.30	13.00
RAH06			80	16.05	88.3	0.64	3.70	14.80
RAH06			100	12.36	91.1	1.00	3.00	16.80
RAH06			125	7.84	93.3	1.52	1.80	18.80
RAH06			160	1.96	95.0	2.28	0.00	21.10
RAH06			200	-2.12	96.1	3.28	0.00	22.80
RAH07	3 799	3 802						
RAH07			20	27.95	62.0	0.00	5.60	7.60
RAH07			25	26.37	67.2	0.08	5.40	8.30
RAH07			32	24.73	72.0	0.11	5.20	9.20
RAH07			40	23.33	76.8	0.19	5.00	10.30
RAH07			50	21.76	81.2	0.27	4.70	11.50
RAH07			63	19.50	85.0	0.42	4.30	13.00
RAH07			80	16.51	88.3	0.61	3.70	14.80
RAH07			100	12.85	91.1	0.95	3.00	16.80
RAH07			125	8.35	93.3	1.44	1.80	18.80
RAH07			160	2.51	95.0	2.17	0.00	21.10
RAH07			200	-1.52	96.1	3.12	0.00	22.80
RAH08	4 531	4 534						
RAH08			20	26.42	62.0	0.00	5.60	7.60
RAH08			25	24.83	67.2	0.09	5.40	8.30
RAH08			32	23.18	72.0	0.14	5.20	9.20
RAH08			40	21.77	76.8	0.23	5.00	10.30
RAH08			50	20.18	81.2	0.32	4.70	11.50
RAH08			63	17.90	85.0	0.50	4.30	13.00
RAH08			80	14.87	88.3	0.73	3.70	14.80
RAH08			100	11.14	91.1	1.13	3.00	16.80
RAH08			125	6.55	93.3	1.72	1.80	18.80
RAH08			160	0.56	95.0	2.58	0.00	21.10
RAH08			200	-3.65	96.1	3.72	0.00	22.80
RAH09	4 095	4 098						
RAH09			20	27.30	62.0	0.00	5.60	7.60
RAH09			25	25.72	67.2	0.08	5.40	8.30
RAH09			32	24.07	72.0	0.12	5.20	9.20
RAH09			40	22.67	76.8	0.20	5.00	10.30
RAH09			50	21.09	81.2	0.29	4.70	11.50
RAH09			63	18.82	85.0	0.45	4.30	13.00
RAH09			80	15.82	88.3	0.66	3.70	14.80
RAH09			100	12.12	91.1	1.02	3.00	16.80
RAH09			125	7.59	93.3	1.56	1.80	18.80
RAH09			160	1.69	95.0	2.34	0.00	21.10
RAH09			200	-2.41	96.1	3.36	0.00	22.80
RAH10	4 938	4 940						
RAH10			20	25.67	62.0	0.00	5.60	7.60
RAH10			25	24.07	67.2	0.10	5.40	8.30
RAH10			32	22.43	72.0	0.15	5.20	9.20
RAH10			40	21.00	76.8	0.25	5.00	10.30
RAH10			50	19.40	81.2	0.35	4.70	11.50
RAH10			63	17.11	85.0	0.54	4.30	13.00
RAH10			80	14.06	88.3	0.79	3.70	14.80
RAH10			100	10.29	91.1	1.24	3.00	16.80
RAH10			125	5.65	93.3	1.88	1.80	18.80
RAH10			160	-0.41	95.0	2.82	0.00	21.10
RAH10			200	-4.73	96.1	4.05	0.00	22.80
RAH11	6 601	6 603						
RAH11			20	23.15	62.0	0.00	5.60	7.60
RAH11			25	21.52	67.2	0.13	5.40	8.30
RAH11			32	19.86	72.0	0.20	5.20	9.20
RAH11			40	18.40	76.8	0.33	5.00	10.30
RAH11			50	16.77	81.2	0.46	4.70	11.50
RAH11			63	14.40	85.0	0.73	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			80	11.27	88.3	1.06	3.70	14.80
RAH11			100	7.35	91.1	1.65	3.00	16.80
RAH11			125	2.50	93.3	2.51	1.80	18.80
RAH11			160	-3.88	95.0	3.76	0.00	21.10
RAH11			200	-8.61	96.1	5.41	0.00	22.80
RAH12	7 214	7 216						
RAH12			20	22.38	62.0	0.00	5.60	7.60
RAH12			25	20.74	67.2	0.14	5.40	8.30
RAH12			32	19.07	72.0	0.22	5.20	9.20
RAH12			40	17.60	76.8	0.36	5.00	10.30
RAH12			50	15.95	81.2	0.51	4.70	11.50
RAH12			63	13.56	85.0	0.79	4.30	13.00
RAH12			80	10.40	88.3	1.15	3.70	14.80
RAH12			100	6.43	91.1	1.80	3.00	16.80
RAH12			125	1.49	93.3	2.74	1.80	18.80
RAH12			160	-5.00	95.0	4.11	0.00	21.10
RAH12			200	-9.88	96.1	5.92	0.00	22.80
RAH13	7 656	7 657						
RAH13			20	21.87	62.0	0.00	5.60	7.60
RAH13			25	20.21	67.2	0.15	5.40	8.30
RAH13			32	18.54	72.0	0.23	5.20	9.20
RAH13			40	17.06	76.8	0.38	5.00	10.30
RAH13			50	15.41	81.2	0.54	4.70	11.50
RAH13			63	13.00	85.0	0.84	4.30	13.00
RAH13			80	9.82	88.3	1.23	3.70	14.80
RAH13			100	5.80	91.1	1.91	3.00	16.80
RAH13			125	0.81	93.3	2.91	1.80	18.80
RAH13			160	-5.77	95.0	4.36	0.00	21.10
RAH13			200	-10.76	96.1	6.28	0.00	22.80
RAH14	7 156	7 158						
RAH14			20	22.45	62.0	0.00	5.60	7.60
RAH14			25	20.81	67.2	0.14	5.40	8.30
RAH14			32	19.14	72.0	0.21	5.20	9.20
RAH14			40	17.67	76.8	0.36	5.00	10.30
RAH14			50	16.03	81.2	0.50	4.70	11.50
RAH14			63	13.64	85.0	0.79	4.30	13.00
RAH14			80	10.48	88.3	1.15	3.70	14.80
RAH14			100	6.51	91.1	1.79	3.00	16.80
RAH14			125	1.58	93.3	2.72	1.80	18.80
RAH14			160	-4.90	95.0	4.08	0.00	21.10
RAH14			200	-9.77	96.1	5.87	0.00	22.80
RAH15	8 327	8 329						
RAH15			20	21.14	62.0	0.00	5.60	7.60
RAH15			25	19.47	67.2	0.17	5.40	8.30
RAH15			32	17.79	72.0	0.25	5.20	9.20
RAH15			40	16.30	76.8	0.42	5.00	10.30
RAH15			50	14.63	81.2	0.58	4.70	11.50
RAH15			63	12.20	85.0	0.92	4.30	13.00
RAH15			80	8.98	88.3	1.33	3.70	14.80
RAH15			100	4.91	91.1	2.08	3.00	16.80
RAH15			125	-0.18	93.3	3.17	1.80	18.80
RAH15			160	-6.88	95.0	4.75	0.00	21.10
RAH15			200	-12.04	96.1	6.83	0.00	22.80
RAH16	8 597	8 599						
RAH16			20	20.86	62.0	0.00	5.60	7.60
RAH16			25	19.19	67.2	0.17	5.40	8.30
RAH16			32	17.50	72.0	0.26	5.20	9.20
RAH16			40	16.01	76.8	0.43	5.00	10.30
RAH16			50	14.33	81.2	0.60	4.70	11.50
RAH16			63	11.89	85.0	0.95	4.30	13.00
RAH16			80	8.66	88.3	1.38	3.70	14.80
RAH16			100	4.56	91.1	2.15	3.00	16.80
RAH16			125	-0.56	93.3	3.27	1.80	18.80
RAH16			160	-7.31	95.0	4.90	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			200	-12.54	96.1	7.05	0.00	22.80
RAH17	7 803	7 805						
RAH17			20	21.70	62.0	0.00	5.60	7.60
RAH17			25	20.04	67.2	0.16	5.40	8.30
RAH17			32	18.37	72.0	0.23	5.20	9.20
RAH17			40	16.89	76.8	0.39	5.00	10.30
RAH17			50	15.23	81.2	0.55	4.70	11.50
RAH17			63	12.82	85.0	0.86	4.30	13.00
RAH17			80	9.63	88.3	1.25	3.70	14.80
RAH17			100	5.60	91.1	1.95	3.00	16.80
RAH17			125	0.59	93.3	2.97	1.80	18.80
RAH17			160	-6.02	95.0	4.45	0.00	21.10
RAH17			200	-11.05	96.1	6.40	0.00	22.80
RAH18	8 288	8 290						
RAH18			20	21.18	62.0	0.00	5.60	7.60
RAH18			25	19.51	67.2	0.17	5.40	8.30
RAH18			32	17.83	72.0	0.25	5.20	9.20
RAH18			40	16.34	76.8	0.41	5.00	10.30
RAH18			50	14.67	81.2	0.58	4.70	11.50
RAH18			63	12.24	85.0	0.91	4.30	13.00
RAH18			80	9.03	88.3	1.33	3.70	14.80
RAH18			100	4.96	91.1	2.07	3.00	16.80
RAH18			125	-0.12	93.3	3.15	1.80	18.80
RAH18			160	-6.82	95.0	4.73	0.00	21.10
RAH18			200	-11.97	96.1	6.80	0.00	22.80
RAH19	8 539	8 541						
RAH19			20	20.92	62.0	0.00	5.60	7.60
RAH19			25	19.25	67.2	0.17	5.40	8.30
RAH19			32	17.56	72.0	0.26	5.20	9.20
RAH19			40	16.07	76.8	0.43	5.00	10.30
RAH19			50	14.40	81.2	0.60	4.70	11.50
RAH19			63	11.95	85.0	0.94	4.30	13.00
RAH19			80	8.73	88.3	1.37	3.70	14.80
RAH19			100	4.63	91.1	2.14	3.00	16.80
RAH19			125	-0.48	93.3	3.25	1.80	18.80
RAH19			160	-7.22	95.0	4.87	0.00	21.10
RAH19			200	-12.43	96.1	7.00	0.00	22.80
SIL01	14 383	14 384						
SIL01			20	17.67	63.3	0.00	5.60	7.60
SIL01			25	15.77	68.4	0.29	5.40	8.30
SIL01			32	9.74	68.9	0.43	5.20	9.20
SIL01			40	6.55	72.1	0.72	5.00	10.30
SIL01			50	5.06	76.8	1.01	4.70	11.50
SIL01			63	1.57	79.8	1.58	4.30	13.00
SIL01			80	-2.45	82.6	2.30	3.70	14.80
SIL01			100	-6.42	86.0	3.60	3.00	16.80
SIL01			125	-11.24	89.3	5.47	1.80	18.80
SIL01			160	-21.87	88.2	8.20	0.00	21.10
SIL01			200	-27.86	90.0	11.80	0.00	22.80
SIL02	13 944	13 945						
SIL02			20	17.94	63.3	0.00	5.60	7.60
SIL02			25	16.05	68.4	0.28	5.40	8.30
SIL02			32	10.02	68.9	0.42	5.20	9.20
SIL02			40	6.84	72.1	0.70	5.00	10.30
SIL02			50	5.36	76.8	0.98	4.70	11.50
SIL02			63	1.88	79.8	1.53	4.30	13.00
SIL02			80	-2.11	82.6	2.23	3.70	14.80
SIL02			100	-6.05	86.0	3.49	3.00	16.80
SIL02			125	-10.80	89.3	5.30	1.80	18.80
SIL02			160	-21.35	88.2	7.95	0.00	21.10
SIL02			200	-27.23	90.0	11.43	0.00	22.80
SIL03	13 347	13 348						
SIL03			20	18.32	63.3	0.00	5.60	7.60
SIL03			25	16.44	68.4	0.27	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			32	10.42	68.9	0.40	5.20	9.20
SIL03			40	7.25	72.1	0.67	5.00	10.30
SIL03			50	5.78	76.8	0.93	4.70	11.50
SIL03			63	2.33	79.8	1.47	4.30	13.00
SIL03			80	-1.63	82.6	2.14	3.70	14.80
SIL03			100	-5.52	86.0	3.34	3.00	16.80
SIL03			125	-10.19	89.3	5.07	1.80	18.80
SIL03			160	-20.63	88.2	7.61	0.00	21.10
SIL03			200	-26.36	90.0	10.95	0.00	22.80
SIL04	13 302	13 303						
SIL04			20	18.34	63.3	0.00	5.60	7.60
SIL04			25	16.47	68.4	0.27	5.40	8.30
SIL04			32	10.45	68.9	0.40	5.20	9.20
SIL04			40	7.28	72.1	0.67	5.00	10.30
SIL04			50	5.81	76.8	0.93	4.70	11.50
SIL04			63	2.36	79.8	1.46	4.30	13.00
SIL04			80	-1.60	82.6	2.13	3.70	14.80
SIL04			100	-5.48	86.0	3.33	3.00	16.80
SIL04			125	-10.15	89.3	5.06	1.80	18.80
SIL04			160	-20.58	88.2	7.58	0.00	21.10
SIL04			200	-26.30	90.0	10.91	0.00	22.80
SIL05	14 062	14 063						
SIL05			20	17.86	63.3	0.00	5.60	7.60
SIL05			25	15.97	68.4	0.28	5.40	8.30
SIL05			32	9.95	68.9	0.42	5.20	9.20
SIL05			40	6.76	72.1	0.70	5.00	10.30
SIL05			50	5.28	76.8	0.98	4.70	11.50
SIL05			63	1.80	79.8	1.55	4.30	13.00
SIL05			80	-2.20	82.6	2.25	3.70	14.80
SIL05			100	-6.15	86.0	3.52	3.00	16.80
SIL05			125	-10.92	89.3	5.34	1.80	18.80
SIL05			160	-21.50	88.2	8.02	0.00	21.10
SIL05			200	-27.41	90.0	11.53	0.00	22.80
SIL06	13 747	13 748						
SIL06			20	18.06	63.3	0.00	5.60	7.60
SIL06			25	16.18	68.4	0.27	5.40	8.30
SIL06			32	10.15	68.9	0.41	5.20	9.20
SIL06			40	6.97	72.1	0.69	5.00	10.30
SIL06			50	5.50	76.8	0.96	4.70	11.50
SIL06			63	2.03	79.8	1.51	4.30	13.00
SIL06			80	-1.95	82.6	2.20	3.70	14.80
SIL06			100	-5.87	86.0	3.44	3.00	16.80
SIL06			125	-10.60	89.3	5.22	1.80	18.80
SIL06			160	-21.12	88.2	7.84	0.00	21.10
SIL06			200	-26.95	90.0	11.27	0.00	22.80
SIL07	13 170	13 171						
SIL07			20	18.43	63.3	0.00	5.60	7.60
SIL07			25	16.56	68.4	0.26	5.40	8.30
SIL07			32	10.54	68.9	0.40	5.20	9.20
SIL07			40	7.37	72.1	0.66	5.00	10.30
SIL07			50	5.91	76.8	0.92	4.70	11.50
SIL07			63	2.46	79.8	1.45	4.30	13.00
SIL07			80	-1.49	82.6	2.11	3.70	14.80
SIL07			100	-5.36	86.0	3.29	3.00	16.80
SIL07			125	-10.01	89.3	5.01	1.80	18.80
SIL07			160	-20.42	88.2	7.51	0.00	21.10
SIL07			200	-26.10	90.0	10.80	0.00	22.80
SIL08	13 452	13 453						
SIL08			20	18.25	63.3	0.00	5.60	7.60
SIL08			25	16.37	68.4	0.27	5.40	8.30
SIL08			32	10.35	68.9	0.40	5.20	9.20
SIL08			40	7.17	72.1	0.67	5.00	10.30
SIL08			50	5.70	76.8	0.94	4.70	11.50
SIL08			63	2.25	79.8	1.48	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			80	-1.72	82.6	2.15	3.70	14.80
SIL08			100	-5.61	86.0	3.36	3.00	16.80
SIL08			125	-10.30	89.3	5.11	1.80	18.80
SIL08			160	-20.76	88.2	7.67	0.00	21.10
SIL08			200	-26.52	90.0	11.03	0.00	22.80
Sum								
Sum			20	44.88				
Sum			25	42.29				
Sum			32	41.14				
Sum			40	38.83				
Sum			50	37.79				
Sum			63	33.71				
Sum			80	30.39				
Sum			100	28.09				
Sum			125	21.13				
Sum			160	15.08				
Sum			200	11.25				

Noise sensitive area: AH Noise sensitive point: Finnish normal frequency - User defined (18)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	2 214	2 221						
KAR01			20	34.47	63.9	0.00	5.60	7.60
KAR01			25	31.63	67.8	0.04	5.40	8.30
KAR01			32	30.70	73.3	0.07	5.20	9.20
KAR01			40	28.16	76.9	0.11	5.00	10.30
KAR01			50	27.31	82.0	0.16	4.70	11.50
KAR01			63	22.63	83.3	0.24	4.30	13.00
KAR01			80	19.21	86.1	0.36	3.70	14.80
KAR01			100	17.61	90.8	0.56	3.00	16.80
KAR01			125	9.63	89.3	0.84	1.80	18.80
KAR01			160	3.70	90.6	1.27	0.00	21.10
KAR01			200	0.25	91.9	1.82	0.00	22.80
KAR02	2 948	2 953						
KAR02			20	31.99	63.9	0.00	5.60	7.60
KAR02			25	29.14	67.8	0.06	5.40	8.30
KAR02			32	28.21	73.3	0.09	5.20	9.20
KAR02			40	25.65	76.9	0.15	5.00	10.30
KAR02			50	24.79	82.0	0.21	4.70	11.50
KAR02			63	20.07	83.3	0.32	4.30	13.00
KAR02			80	16.62	86.1	0.47	3.70	14.80
KAR02			100	14.96	90.8	0.74	3.00	16.80
KAR02			125	6.87	89.3	1.12	1.80	18.80
KAR02			160	0.81	90.6	1.68	0.00	21.10
KAR02			200	-2.83	91.9	2.42	0.00	22.80
KAR03	2 822	2 828						
KAR03			20	32.37	63.9	0.00	5.60	7.60
KAR03			25	29.51	67.8	0.06	5.40	8.30
KAR03			32	28.59	73.3	0.08	5.20	9.20
KAR03			40	26.03	76.9	0.14	5.00	10.30
KAR03			50	25.17	82.0	0.20	4.70	11.50
KAR03			63	20.46	83.3	0.31	4.30	13.00
KAR03			80	17.02	86.1	0.45	3.70	14.80
KAR03			100	15.36	90.8	0.71	3.00	16.80
KAR03			125	7.30	89.3	1.07	1.80	18.80
KAR03			160	1.26	90.6	1.61	0.00	21.10
KAR03			200	-2.35	91.9	2.32	0.00	22.80
KAR04	2 998	3 004						
KAR04			20	31.85	63.9	0.00	5.60	7.60
KAR04			25	28.99	67.8	0.06	5.40	8.30
KAR04			32	28.06	73.3	0.09	5.20	9.20
KAR04			40	25.50	76.9	0.15	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			50	24.64	82.0	0.21	4.70	11.50
KAR04			63	19.92	83.3	0.33	4.30	13.00
KAR04			80	16.47	86.1	0.48	3.70	14.80
KAR04			100	14.80	90.8	0.75	3.00	16.80
KAR04			125	6.71	89.3	1.14	1.80	18.80
KAR04			160	0.63	90.6	1.71	0.00	21.10
KAR04			200	-3.02	91.9	2.46	0.00	22.80
KAR05	3 267	3 272						
KAR05			20	31.10	63.9	0.00	5.60	7.60
KAR05			25	28.24	67.8	0.07	5.40	8.30
KAR05			32	27.30	73.3	0.10	5.20	9.20
KAR05			40	24.74	76.9	0.16	5.00	10.30
KAR05			50	23.87	82.0	0.23	4.70	11.50
KAR05			63	19.14	83.3	0.36	4.30	13.00
KAR05			80	15.68	86.1	0.52	3.70	14.80
KAR05			100	13.98	90.8	0.82	3.00	16.80
KAR05			125	5.86	89.3	1.24	1.80	18.80
KAR05			160	-0.26	90.6	1.87	0.00	21.10
KAR05			200	-3.98	91.9	2.68	0.00	22.80
KAR06	3 527	3 531						
KAR06			20	30.44	63.9	0.00	5.60	7.60
KAR06			25	27.57	67.8	0.07	5.40	8.30
KAR06			32	26.64	73.3	0.11	5.20	9.20
KAR06			40	24.06	76.9	0.18	5.00	10.30
KAR06			50	23.19	82.0	0.25	4.70	11.50
KAR06			63	18.45	83.3	0.39	4.30	13.00
KAR06			80	14.98	86.1	0.57	3.70	14.80
KAR06			100	13.26	90.8	0.88	3.00	16.80
KAR06			125	5.10	89.3	1.34	1.80	18.80
KAR06			160	-1.07	90.6	2.01	0.00	21.10
KAR06			200	-4.85	91.9	2.90	0.00	22.80
KAR07	3 902	3 905						
KAR07			20	29.57	63.9	0.00	5.60	7.60
KAR07			25	26.69	67.8	0.08	5.40	8.30
KAR07			32	25.75	73.3	0.12	5.20	9.20
KAR07			40	23.17	76.9	0.20	5.00	10.30
KAR07			50	22.29	82.0	0.27	4.70	11.50
KAR07			63	17.54	83.3	0.43	4.30	13.00
KAR07			80	14.04	86.1	0.62	3.70	14.80
KAR07			100	12.29	90.8	0.98	3.00	16.80
KAR07			125	4.08	89.3	1.48	1.80	18.80
KAR07			160	-2.16	90.6	2.23	0.00	21.10
KAR07			200	-6.04	91.9	3.20	0.00	22.80
KAR08	4 435	4 438						
KAR08			20	28.46	63.9	0.00	5.60	7.60
KAR08			25	25.57	67.8	0.09	5.40	8.30
KAR08			32	24.62	73.3	0.13	5.20	9.20
KAR08			40	22.03	76.9	0.22	5.00	10.30
KAR08			50	21.15	82.0	0.31	4.70	11.50
KAR08			63	16.37	83.3	0.49	4.30	13.00
KAR08			80	12.85	86.1	0.71	3.70	14.80
KAR08			100	11.05	90.8	1.11	3.00	16.80
KAR08			125	2.77	89.3	1.69	1.80	18.80
KAR08			160	-3.57	90.6	2.53	0.00	21.10
KAR08			200	-7.58	91.9	3.64	0.00	22.80
KAR09	3 880	3 884						
KAR09			20	29.61	63.9	0.00	5.60	7.60
KAR09			25	26.74	67.8	0.08	5.40	8.30
KAR09			32	25.80	73.3	0.12	5.20	9.20
KAR09			40	23.22	76.9	0.19	5.00	10.30
KAR09			50	22.34	82.0	0.27	4.70	11.50
KAR09			63	17.59	83.3	0.43	4.30	13.00
KAR09			80	14.09	86.1	0.62	3.70	14.80
KAR09			100	12.34	90.8	0.97	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			125	4.14	89.3	1.48	1.80	18.80
KAR09			160	-2.10	90.6	2.21	0.00	21.10
KAR09			200	-5.97	91.9	3.18	0.00	22.80
KAR10	3 860	3 864						
KAR10			20	29.66	63.9	0.00	5.60	7.60
KAR10			25	26.78	67.8	0.08	5.40	8.30
KAR10			32	25.84	73.3	0.12	5.20	9.20
KAR10			40	23.27	76.9	0.19	5.00	10.30
KAR10			50	22.39	82.0	0.27	4.70	11.50
KAR10			63	17.63	83.3	0.43	4.30	13.00
KAR10			80	14.14	86.1	0.62	3.70	14.80
KAR10			100	12.39	90.8	0.97	3.00	16.80
KAR10			125	4.19	89.3	1.47	1.80	18.80
KAR10			160	-2.04	90.6	2.20	0.00	21.10
KAR10			200	-5.91	91.9	3.17	0.00	22.80
KAR11	4 264	4 268						
KAR11			20	28.80	63.9	0.00	5.60	7.60
KAR11			25	25.91	67.8	0.09	5.40	8.30
KAR11			32	24.97	73.3	0.13	5.20	9.20
KAR11			40	22.38	76.9	0.21	5.00	10.30
KAR11			50	21.50	82.0	0.30	4.70	11.50
KAR11			63	16.73	83.3	0.47	4.30	13.00
KAR11			80	13.21	86.1	0.68	3.70	14.80
KAR11			100	11.43	90.8	1.07	3.00	16.80
KAR11			125	3.17	89.3	1.62	1.80	18.80
KAR11			160	-3.14	90.6	2.43	0.00	21.10
KAR11			200	-7.10	91.9	3.50	0.00	22.80
KAR12	4 550	4 554						
KAR12			20	28.23	63.9	0.00	5.60	7.60
KAR12			25	25.34	67.8	0.09	5.40	8.30
KAR12			32	24.40	73.3	0.14	5.20	9.20
KAR12			40	21.80	76.9	0.23	5.00	10.30
KAR12			50	20.91	82.0	0.32	4.70	11.50
KAR12			63	16.13	83.3	0.50	4.30	13.00
KAR12			80	12.60	86.1	0.73	3.70	14.80
KAR12			100	10.79	90.8	1.14	3.00	16.80
KAR12			125	2.50	89.3	1.73	1.80	18.80
KAR12			160	-3.86	90.6	2.60	0.00	21.10
KAR12			200	-7.90	91.9	3.73	0.00	22.80
KAR13	4 815	4 819						
KAR13			20	27.74	63.9	0.00	5.60	7.60
KAR13			25	24.85	67.8	0.10	5.40	8.30
KAR13			32	23.90	73.3	0.14	5.20	9.20
KAR13			40	21.30	76.9	0.24	5.00	10.30
KAR13			50	20.40	82.0	0.34	4.70	11.50
KAR13			63	15.61	83.3	0.53	4.30	13.00
KAR13			80	12.07	86.1	0.77	3.70	14.80
KAR13			100	10.24	90.8	1.20	3.00	16.80
KAR13			125	1.91	89.3	1.83	1.80	18.80
KAR13			160	-4.50	90.6	2.75	0.00	21.10
KAR13			200	-8.61	91.9	3.95	0.00	22.80
KAR14	4 713	4 716						
KAR14			20	27.93	63.9	0.00	5.60	7.60
KAR14			25	25.03	67.8	0.09	5.40	8.30
KAR14			32	24.09	73.3	0.14	5.20	9.20
KAR14			40	21.49	76.9	0.24	5.00	10.30
KAR14			50	20.60	82.0	0.33	4.70	11.50
KAR14			63	15.81	83.3	0.52	4.30	13.00
KAR14			80	12.27	86.1	0.75	3.70	14.80
KAR14			100	10.45	90.8	1.18	3.00	16.80
KAR14			125	2.14	89.3	1.79	1.80	18.80
KAR14			160	-4.26	90.6	2.69	0.00	21.10
KAR14			200	-8.34	91.9	3.87	0.00	22.80
KAR15	5 130	5 133						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			20	27.19	63.9	0.00	5.60	7.60
KAR15			25	24.29	67.8	0.10	5.40	8.30
KAR15			32	23.34	73.3	0.15	5.20	9.20
KAR15			40	20.74	76.9	0.26	5.00	10.30
KAR15			50	19.83	82.0	0.36	4.70	11.50
KAR15			63	15.03	83.3	0.56	4.30	13.00
KAR15			80	11.47	86.1	0.82	3.70	14.80
KAR15			100	9.61	90.8	1.28	3.00	16.80
KAR15			125	1.24	89.3	1.95	1.80	18.80
KAR15			160	-5.23	90.6	2.93	0.00	21.10
KAR15			200	-9.42	91.9	4.21	0.00	22.80
KAR16	5 233	5 236						
KAR16			20	27.02	63.9	0.00	5.60	7.60
KAR16			25	24.12	67.8	0.10	5.40	8.30
KAR16			32	23.16	73.3	0.16	5.20	9.20
KAR16			40	20.56	76.9	0.26	5.00	10.30
KAR16			50	19.65	82.0	0.37	4.70	11.50
KAR16			63	14.84	83.3	0.58	4.30	13.00
KAR16			80	11.28	86.1	0.84	3.70	14.80
KAR16			100	9.41	90.8	1.31	3.00	16.80
KAR16			125	1.03	89.3	1.99	1.80	18.80
KAR16			160	-5.46	90.6	2.98	0.00	21.10
KAR16			200	-9.67	91.9	4.29	0.00	22.80
KAR17	5 421	5 424						
KAR17			20	26.71	63.9	0.00	5.60	7.60
KAR17			25	23.81	67.8	0.11	5.40	8.30
KAR17			32	22.85	73.3	0.16	5.20	9.20
KAR17			40	20.24	76.9	0.27	5.00	10.30
KAR17			50	19.33	82.0	0.38	4.70	11.50
KAR17			63	14.52	83.3	0.60	4.30	13.00
KAR17			80	10.95	86.1	0.87	3.70	14.80
KAR17			100	9.06	90.8	1.36	3.00	16.80
KAR17			125	0.65	89.3	2.06	1.80	18.80
KAR17			160	-5.88	90.6	3.09	0.00	21.10
KAR17			200	-10.13	91.9	4.45	0.00	22.80
KAR18	5 426	5 429						
KAR18			20	26.70	63.9	0.00	5.60	7.60
KAR18			25	23.80	67.8	0.11	5.40	8.30
KAR18			32	22.84	73.3	0.16	5.20	9.20
KAR18			40	20.23	76.9	0.27	5.00	10.30
KAR18			50	19.32	82.0	0.38	4.70	11.50
KAR18			63	14.51	83.3	0.60	4.30	13.00
KAR18			80	10.94	86.1	0.87	3.70	14.80
KAR18			100	9.05	90.8	1.36	3.00	16.80
KAR18			125	0.64	89.3	2.06	1.80	18.80
KAR18			160	-5.89	90.6	3.09	0.00	21.10
KAR18			200	-10.15	91.9	4.45	0.00	22.80
KAR19	5 920	5 923						
KAR19			20	25.95	63.9	0.00	5.60	7.60
KAR19			25	23.03	67.8	0.12	5.40	8.30
KAR19			32	22.07	73.3	0.18	5.20	9.20
KAR19			40	19.45	76.9	0.30	5.00	10.30
KAR19			50	18.53	82.0	0.41	4.70	11.50
KAR19			63	13.70	83.3	0.65	4.30	13.00
KAR19			80	10.10	86.1	0.95	3.70	14.80
KAR19			100	8.17	90.8	1.48	3.00	16.80
KAR19			125	-0.30	89.3	2.25	1.80	18.80
KAR19			160	-6.93	90.6	3.38	0.00	21.10
KAR19			200	-11.31	91.9	4.86	0.00	22.80
KAR20	5 894	5 897						
KAR20			20	25.99	63.9	0.00	5.60	7.60
KAR20			25	23.07	67.8	0.12	5.40	8.30
KAR20			32	22.11	73.3	0.18	5.20	9.20
KAR20			40	19.49	76.9	0.29	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			50	18.58	82.0	0.41	4.70	11.50
KAR20			63	13.74	83.3	0.65	4.30	13.00
KAR20			80	10.14	86.1	0.94	3.70	14.80
KAR20			100	8.21	90.8	1.47	3.00	16.80
KAR20			125	-0.25	89.3	2.24	1.80	18.80
KAR20			160	-6.87	90.6	3.36	0.00	21.10
KAR20			200	-11.25	91.9	4.84	0.00	22.80
KAR21	6 020	6 023						
KAR21			20	25.80	63.9	0.00	5.60	7.60
KAR21			25	22.88	67.8	0.12	5.40	8.30
KAR21			32	21.92	73.3	0.18	5.20	9.20
KAR21			40	19.30	76.9	0.30	5.00	10.30
KAR21			50	18.38	82.0	0.42	4.70	11.50
KAR21			63	13.54	83.3	0.66	4.30	13.00
KAR21			80	9.94	86.1	0.96	3.70	14.80
KAR21			100	8.00	90.8	1.51	3.00	16.80
KAR21			125	-0.48	89.3	2.29	1.80	18.80
KAR21			160	-7.13	90.6	3.43	0.00	21.10
KAR21			200	-11.53	91.9	4.94	0.00	22.80
KAR22	6 317	6 319						
KAR22			20	25.39	63.9	0.00	5.60	7.60
KAR22			25	22.46	67.8	0.13	5.40	8.30
KAR22			32	21.50	73.3	0.19	5.20	9.20
KAR22			40	18.87	76.9	0.32	5.00	10.30
KAR22			50	17.94	82.0	0.44	4.70	11.50
KAR22			63	13.09	83.3	0.70	4.30	13.00
KAR22			80	9.48	86.1	1.01	3.70	14.80
KAR22			100	7.51	90.8	1.58	3.00	16.80
KAR22			125	-1.01	89.3	2.40	1.80	18.80
KAR22			160	-7.72	90.6	3.60	0.00	21.10
KAR22			200	-12.20	91.9	5.18	0.00	22.80
KAR23	6 747	6 749						
KAR23			20	24.81	63.9	0.00	5.60	7.60
KAR23			25	21.88	67.8	0.13	5.40	8.30
KAR23			32	20.91	73.3	0.20	5.20	9.20
KAR23			40	18.28	76.9	0.34	5.00	10.30
KAR23			50	17.34	82.0	0.47	4.70	11.50
KAR23			63	12.47	83.3	0.74	4.30	13.00
KAR23			80	8.83	86.1	1.08	3.70	14.80
KAR23			100	6.83	90.8	1.69	3.00	16.80
KAR23			125	-1.75	89.3	2.56	1.80	18.80
KAR23			160	-8.53	90.6	3.85	0.00	21.10
KAR23			200	-13.12	91.9	5.53	0.00	22.80
KAR24	2 101	2 108						
KAR24			20	34.92	63.9	0.00	5.60	7.60
KAR24			25	32.08	67.8	0.04	5.40	8.30
KAR24			32	31.16	73.3	0.06	5.20	9.20
KAR24			40	28.62	76.9	0.11	5.00	10.30
KAR24			50	27.78	82.0	0.15	4.70	11.50
KAR24			63	23.09	83.3	0.23	4.30	13.00
KAR24			80	19.69	86.1	0.34	3.70	14.80
KAR24			100	18.10	90.8	0.53	3.00	16.80
KAR24			125	10.12	89.3	0.80	1.80	18.80
KAR24			160	4.22	90.6	1.20	0.00	21.10
KAR24			200	0.80	91.9	1.73	0.00	22.80
KAR25	2 358	2 364						
KAR25			20	33.93	63.9	0.00	5.60	7.60
KAR25			25	31.08	67.8	0.05	5.40	8.30
KAR25			32	30.16	73.3	0.07	5.20	9.20
KAR25			40	27.61	76.9	0.12	5.00	10.30
KAR25			50	26.76	82.0	0.17	4.70	11.50
KAR25			63	22.07	83.3	0.26	4.30	13.00
KAR25			80	18.65	86.1	0.38	3.70	14.80
KAR25			100	17.04	90.8	0.59	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			125	9.03	89.3	0.90	1.80	18.80
KAR25			160	3.08	90.6	1.35	0.00	21.10
KAR25			200	-0.41	91.9	1.94	0.00	22.80
MAA01	4 061	4 063						
MAA01			20	29.22	63.9	0.00	5.60	7.60
MAA01			25	26.34	67.8	0.08	5.40	8.30
MAA01			32	25.40	73.3	0.12	5.20	9.20
MAA01			40	22.82	76.9	0.20	5.00	10.30
MAA01			50	21.94	82.0	0.28	4.70	11.50
MAA01			63	17.18	83.3	0.45	4.30	13.00
MAA01			80	13.67	86.1	0.65	3.70	14.80
MAA01			100	11.91	90.8	1.02	3.00	16.80
MAA01			125	3.68	89.3	1.54	1.80	18.80
MAA01			160	-2.59	90.6	2.32	0.00	21.10
MAA01			200	-6.51	91.9	3.33	0.00	22.80
MAA03	4 665	4 667						
MAA03			20	28.02	63.9	0.00	5.60	7.60
MAA03			25	25.13	67.8	0.09	5.40	8.30
MAA03			32	24.18	73.3	0.14	5.20	9.20
MAA03			40	21.59	76.9	0.23	5.00	10.30
MAA03			50	20.69	82.0	0.33	4.70	11.50
MAA03			63	15.91	83.3	0.51	4.30	13.00
MAA03			80	12.37	86.1	0.75	3.70	14.80
MAA03			100	10.55	90.8	1.17	3.00	16.80
MAA03			125	2.25	89.3	1.77	1.80	18.80
MAA03			160	-4.14	90.6	2.66	0.00	21.10
MAA03			200	-8.21	91.9	3.83	0.00	22.80
MAA04	4 598	4 599						
MAA04			20	28.15	63.9	0.00	5.60	7.60
MAA04			25	25.25	67.8	0.09	5.40	8.30
MAA04			32	24.31	73.3	0.14	5.20	9.20
MAA04			40	21.72	76.9	0.23	5.00	10.30
MAA04			50	20.82	82.0	0.32	4.70	11.50
MAA04			63	16.04	83.3	0.51	4.30	13.00
MAA04			80	12.51	86.1	0.74	3.70	14.80
MAA04			100	10.70	90.8	1.15	3.00	16.80
MAA04			125	2.40	89.3	1.75	1.80	18.80
MAA04			160	-3.98	90.6	2.62	0.00	21.10
MAA04			200	-8.03	91.9	3.77	0.00	22.80
MAA05	5 215	5 217						
MAA05			20	27.05	63.9	0.00	5.60	7.60
MAA05			25	24.15	67.8	0.10	5.40	8.30
MAA05			32	23.20	73.3	0.16	5.20	9.20
MAA05			40	20.59	76.9	0.26	5.00	10.30
MAA05			50	19.69	82.0	0.37	4.70	11.50
MAA05			63	14.88	83.3	0.57	4.30	13.00
MAA05			80	11.32	86.1	0.83	3.70	14.80
MAA05			100	9.45	90.8	1.30	3.00	16.80
MAA05			125	1.07	89.3	1.98	1.80	18.80
MAA05			160	-5.42	90.6	2.97	0.00	21.10
MAA05			200	-9.63	91.9	4.28	0.00	22.80
MAA06	6 027	6 028						
MAA06			20	25.80	63.9	0.00	5.60	7.60
MAA06			25	22.88	67.8	0.12	5.40	8.30
MAA06			32	21.92	73.3	0.18	5.20	9.20
MAA06			40	19.29	76.9	0.30	5.00	10.30
MAA06			50	18.37	82.0	0.42	4.70	11.50
MAA06			63	13.53	83.3	0.66	4.30	13.00
MAA06			80	9.93	86.1	0.96	3.70	14.80
MAA06			100	7.99	90.8	1.51	3.00	16.80
MAA06			125	-0.49	89.3	2.29	1.80	18.80
MAA06			160	-7.14	90.6	3.44	0.00	21.10
MAA06			200	-11.55	91.9	4.94	0.00	22.80
MAA07	6 274	6 276						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			20	25.45	63.9	0.00	5.60	7.60
MAA07			25	22.52	67.8	0.13	5.40	8.30
MAA07			32	21.56	73.3	0.19	5.20	9.20
MAA07			40	18.93	76.9	0.31	5.00	10.30
MAA07			50	18.01	82.0	0.44	4.70	11.50
MAA07			63	13.16	83.3	0.69	4.30	13.00
MAA07			80	9.54	86.1	1.00	3.70	14.80
MAA07			100	7.58	90.8	1.57	3.00	16.80
MAA07			125	-0.94	89.3	2.38	1.80	18.80
MAA07			160	-7.63	90.6	3.58	0.00	21.10
MAA07			200	-12.10	91.9	5.15	0.00	22.80
MAA08	6 439	6 441						
MAA08			20	25.22	63.9	0.00	5.60	7.60
MAA08			25	22.29	67.8	0.13	5.40	8.30
MAA08			32	21.33	73.3	0.19	5.20	9.20
MAA08			40	18.70	76.9	0.32	5.00	10.30
MAA08			50	17.77	82.0	0.45	4.70	11.50
MAA08			63	12.91	83.3	0.71	4.30	13.00
MAA08			80	9.29	86.1	1.03	3.70	14.80
MAA08			100	7.31	90.8	1.61	3.00	16.80
MAA08			125	-1.23	89.3	2.45	1.80	18.80
MAA08			160	-7.95	90.6	3.67	0.00	21.10
MAA08			200	-12.46	91.9	5.28	0.00	22.80
RAH01	5 047	5 049						
RAH01			20	25.48	62.0	0.00	5.60	7.60
RAH01			25	23.88	67.2	0.10	5.40	8.30
RAH01			32	22.23	72.0	0.15	5.20	9.20
RAH01			40	20.81	76.8	0.25	5.00	10.30
RAH01			50	19.21	81.2	0.35	4.70	11.50
RAH01			63	16.90	85.0	0.56	4.30	13.00
RAH01			80	13.85	88.3	0.81	3.70	14.80
RAH01			100	10.07	91.1	1.26	3.00	16.80
RAH01			125	5.42	93.3	1.92	1.80	18.80
RAH01			160	-0.67	95.0	2.88	0.00	21.10
RAH01			200	-5.00	96.1	4.14	0.00	22.80
RAH02	5 489	5 491						
RAH02			20	24.76	62.0	0.00	5.60	7.60
RAH02			25	23.15	67.2	0.11	5.40	8.30
RAH02			32	21.49	72.0	0.16	5.20	9.20
RAH02			40	20.06	76.8	0.27	5.00	10.30
RAH02			50	18.45	81.2	0.38	4.70	11.50
RAH02			63	16.13	85.0	0.60	4.30	13.00
RAH02			80	13.05	88.3	0.88	3.70	14.80
RAH02			100	9.23	91.1	1.37	3.00	16.80
RAH02			125	4.52	93.3	2.09	1.80	18.80
RAH02			160	-1.65	95.0	3.13	0.00	21.10
RAH02			200	-6.10	96.1	4.50	0.00	22.80
RAH03	4 682	4 684						
RAH03			20	26.14	62.0	0.00	5.60	7.60
RAH03			25	24.54	67.2	0.09	5.40	8.30
RAH03			32	22.90	72.0	0.14	5.20	9.20
RAH03			40	21.48	76.8	0.23	5.00	10.30
RAH03			50	19.88	81.2	0.33	4.70	11.50
RAH03			63	17.60	85.0	0.52	4.30	13.00
RAH03			80	14.56	88.3	0.75	3.70	14.80
RAH03			100	10.82	91.1	1.17	3.00	16.80
RAH03			125	6.21	93.3	1.78	1.80	18.80
RAH03			160	0.19	95.0	2.67	0.00	21.10
RAH03			200	-4.05	96.1	3.84	0.00	22.80
RAH04	5 801	5 803						
RAH04			20	24.28	62.0	0.00	5.60	7.60
RAH04			25	22.66	67.2	0.12	5.40	8.30
RAH04			32	21.00	72.0	0.17	5.20	9.20
RAH04			40	19.56	76.8	0.29	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			50	17.95	81.2	0.41	4.70	11.50
RAH04			63	15.61	85.0	0.64	4.30	13.00
RAH04			80	12.52	88.3	0.93	3.70	14.80
RAH04			100	8.68	91.1	1.45	3.00	16.80
RAH04			125	3.92	93.3	2.21	1.80	18.80
RAH04			160	-2.30	95.0	3.31	0.00	21.10
RAH04			200	-6.83	96.1	4.76	0.00	22.80
RAH05	5 057	5 059						
RAH05			20	25.47	62.0	0.00	5.60	7.60
RAH05			25	23.87	67.2	0.10	5.40	8.30
RAH05			32	22.21	72.0	0.15	5.20	9.20
RAH05			40	20.79	76.8	0.25	5.00	10.30
RAH05			50	19.19	81.2	0.35	4.70	11.50
RAH05			63	16.89	85.0	0.56	4.30	13.00
RAH05			80	13.83	88.3	0.81	3.70	14.80
RAH05			100	10.05	91.1	1.26	3.00	16.80
RAH05			125	5.40	93.3	1.92	1.80	18.80
RAH05			160	-0.69	95.0	2.88	0.00	21.10
RAH05			200	-5.03	96.1	4.15	0.00	22.80
RAH06	5 585	5 587						
RAH06			20	24.60	62.0	0.00	5.60	7.60
RAH06			25	22.99	67.2	0.11	5.40	8.30
RAH06			32	21.34	72.0	0.17	5.20	9.20
RAH06			40	19.90	76.8	0.28	5.00	10.30
RAH06			50	18.29	81.2	0.39	4.70	11.50
RAH06			63	15.97	85.0	0.61	4.30	13.00
RAH06			80	12.89	88.3	0.89	3.70	14.80
RAH06			100	9.06	91.1	1.40	3.00	16.80
RAH06			125	4.33	93.3	2.12	1.80	18.80
RAH06			160	-1.85	95.0	3.18	0.00	21.10
RAH06			200	-6.33	96.1	4.58	0.00	22.80
RAH07	7 270	7 272						
RAH07			20	22.32	62.0	0.00	5.60	7.60
RAH07			25	20.67	67.2	0.15	5.40	8.30
RAH07			32	19.00	72.0	0.22	5.20	9.20
RAH07			40	17.53	76.8	0.36	5.00	10.30
RAH07			50	15.88	81.2	0.51	4.70	11.50
RAH07			63	13.49	85.0	0.80	4.30	13.00
RAH07			80	10.33	88.3	1.16	3.70	14.80
RAH07			100	6.35	91.1	1.82	3.00	16.80
RAH07			125	1.40	93.3	2.76	1.80	18.80
RAH07			160	-5.10	95.0	4.14	0.00	21.10
RAH07			200	-10.00	96.1	5.96	0.00	22.80
RAH08	7 207	7 208						
RAH08			20	22.39	62.0	0.00	5.60	7.60
RAH08			25	20.75	67.2	0.14	5.40	8.30
RAH08			32	19.08	72.0	0.22	5.20	9.20
RAH08			40	17.61	76.8	0.36	5.00	10.30
RAH08			50	15.96	81.2	0.50	4.70	11.50
RAH08			63	13.57	85.0	0.79	4.30	13.00
RAH08			80	10.41	88.3	1.15	3.70	14.80
RAH08			100	6.44	91.1	1.80	3.00	16.80
RAH08			125	1.50	93.3	2.74	1.80	18.80
RAH08			160	-4.99	95.0	4.11	0.00	21.10
RAH08			200	-9.87	96.1	5.91	0.00	22.80
RAH09	6 486	6 488						
RAH09			20	23.31	62.0	0.00	5.60	7.60
RAH09			25	21.68	67.2	0.13	5.40	8.30
RAH09			32	20.01	72.0	0.19	5.20	9.20
RAH09			40	18.56	76.8	0.32	5.00	10.30
RAH09			50	16.93	81.2	0.45	4.70	11.50
RAH09			63	14.57	85.0	0.71	4.30	13.00
RAH09			80	11.44	88.3	1.04	3.70	14.80
RAH09			100	7.54	91.1	1.62	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			125	2.69	93.3	2.47	1.80	18.80
RAH09			160	-3.66	95.0	3.70	0.00	21.10
RAH09			200	-8.36	96.1	5.32	0.00	22.80
RAH10	6 649	6 650						
RAH10			20	23.09	62.0	0.00	5.60	7.60
RAH10			25	21.46	67.2	0.13	5.40	8.30
RAH10			32	19.79	72.0	0.20	5.20	9.20
RAH10			40	18.33	76.8	0.33	5.00	10.30
RAH10			50	16.70	81.2	0.47	4.70	11.50
RAH10			63	14.34	85.0	0.73	4.30	13.00
RAH10			80	11.20	88.3	1.06	3.70	14.80
RAH10			100	7.28	91.1	1.66	3.00	16.80
RAH10			125	2.42	93.3	2.53	1.80	18.80
RAH10			160	-3.97	95.0	3.79	0.00	21.10
RAH10			200	-8.71	96.1	5.45	0.00	22.80
RAH11	4 240	4 243						
RAH11			20	27.00	62.0	0.00	5.60	7.60
RAH11			25	25.41	67.2	0.08	5.40	8.30
RAH11			32	23.77	72.0	0.13	5.20	9.20
RAH11			40	22.36	76.8	0.21	5.00	10.30
RAH11			50	20.77	81.2	0.30	4.70	11.50
RAH11			63	18.50	85.0	0.47	4.30	13.00
RAH11			80	15.49	88.3	0.68	3.70	14.80
RAH11			100	11.79	91.1	1.06	3.00	16.80
RAH11			125	7.23	93.3	1.61	1.80	18.80
RAH11			160	1.30	95.0	2.42	0.00	21.10
RAH11			200	-2.83	96.1	3.48	0.00	22.80
RAH12	4 731	4 733						
RAH12			20	26.05	62.0	0.00	5.60	7.60
RAH12			25	24.45	67.2	0.09	5.40	8.30
RAH12			32	22.80	72.0	0.14	5.20	9.20
RAH12			40	21.39	76.8	0.24	5.00	10.30
RAH12			50	19.79	81.2	0.33	4.70	11.50
RAH12			63	17.50	85.0	0.52	4.30	13.00
RAH12			80	14.46	88.3	0.76	3.70	14.80
RAH12			100	10.71	91.1	1.18	3.00	16.80
RAH12			125	6.10	93.3	1.80	1.80	18.80
RAH12			160	0.08	95.0	2.70	0.00	21.10
RAH12			200	-4.18	96.1	3.88	0.00	22.80
RAH13	4 096	4 098						
RAH13			20	27.30	62.0	0.00	5.60	7.60
RAH13			25	25.71	67.2	0.08	5.40	8.30
RAH13			32	24.07	72.0	0.12	5.20	9.20
RAH13			40	22.67	76.8	0.20	5.00	10.30
RAH13			50	21.09	81.2	0.29	4.70	11.50
RAH13			63	18.82	85.0	0.45	4.30	13.00
RAH13			80	15.82	88.3	0.66	3.70	14.80
RAH13			100	12.12	91.1	1.02	3.00	16.80
RAH13			125	7.59	93.3	1.56	1.80	18.80
RAH13			160	1.69	95.0	2.34	0.00	21.10
RAH13			200	-2.41	96.1	3.36	0.00	22.80
RAH14	3 577	3 580						
RAH14			20	28.47	62.0	0.00	5.60	7.60
RAH14			25	26.90	67.2	0.07	5.40	8.30
RAH14			32	25.26	72.0	0.11	5.20	9.20
RAH14			40	23.87	76.8	0.18	5.00	10.30
RAH14			50	22.30	81.2	0.25	4.70	11.50
RAH14			63	20.05	85.0	0.39	4.30	13.00
RAH14			80	17.07	88.3	0.57	3.70	14.80
RAH14			100	13.43	91.1	0.90	3.00	16.80
RAH14			125	8.96	93.3	1.36	1.80	18.80
RAH14			160	3.16	95.0	2.04	0.00	21.10
RAH14			200	-0.81	96.1	2.94	0.00	22.80
RAH15	3 513	3 516						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			20	28.63	62.0	0.00	5.60	7.60
RAH15			25	27.06	67.2	0.07	5.40	8.30
RAH15			32	25.42	72.0	0.11	5.20	9.20
RAH15			40	24.03	76.8	0.18	5.00	10.30
RAH15			50	22.46	81.2	0.25	4.70	11.50
RAH15			63	20.22	85.0	0.39	4.30	13.00
RAH15			80	17.24	88.3	0.56	3.70	14.80
RAH15			100	13.60	91.1	0.88	3.00	16.80
RAH15			125	9.14	93.3	1.34	1.80	18.80
RAH15			160	3.35	95.0	2.00	0.00	21.10
RAH15			200	-0.60	96.1	2.88	0.00	22.80
RAH16	4 435	4 437						
RAH16			20	26.61	62.0	0.00	5.60	7.60
RAH16			25	25.02	67.2	0.09	5.40	8.30
RAH16			32	23.37	72.0	0.13	5.20	9.20
RAH16			40	21.96	76.8	0.22	5.00	10.30
RAH16			50	20.37	81.2	0.31	4.70	11.50
RAH16			63	18.09	85.0	0.49	4.30	13.00
RAH16			80	15.07	88.3	0.71	3.70	14.80
RAH16			100	11.35	91.1	1.11	3.00	16.80
RAH16			125	6.77	93.3	1.69	1.80	18.80
RAH16			160	0.81	95.0	2.53	0.00	21.10
RAH16			200	-3.38	96.1	3.64	0.00	22.80
RAH17	2 109	2 115						
RAH17			20	33.04	62.0	0.00	5.60	7.60
RAH17			25	31.50	67.2	0.04	5.40	8.30
RAH17			32	29.88	72.0	0.06	5.20	9.20
RAH17			40	28.51	76.8	0.11	5.00	10.30
RAH17			50	26.97	81.2	0.15	4.70	11.50
RAH17			63	24.79	85.0	0.23	4.30	13.00
RAH17			80	21.88	88.3	0.34	3.70	14.80
RAH17			100	18.37	91.1	0.53	3.00	16.80
RAH17			125	14.09	93.3	0.80	1.80	18.80
RAH17			160	8.57	95.0	1.21	0.00	21.10
RAH17			200	4.96	96.1	1.73	0.00	22.80
RAH18	2 738	2 743						
RAH18			20	30.79	62.0	0.00	5.60	7.60
RAH18			25	29.23	67.2	0.05	5.40	8.30
RAH18			32	27.60	72.0	0.08	5.20	9.20
RAH18			40	26.22	76.8	0.14	5.00	10.30
RAH18			50	24.67	81.2	0.19	4.70	11.50
RAH18			63	22.46	85.0	0.30	4.30	13.00
RAH18			80	19.52	88.3	0.44	3.70	14.80
RAH18			100	15.95	91.1	0.69	3.00	16.80
RAH18			125	11.59	93.3	1.04	1.80	18.80
RAH18			160	5.95	95.0	1.56	0.00	21.10
RAH18			200	2.19	96.1	2.25	0.00	22.80
RAH19	2 001	2 008						
RAH19			20	33.49	62.0	0.00	5.60	7.60
RAH19			25	31.95	67.2	0.04	5.40	8.30
RAH19			32	30.33	72.0	0.06	5.20	9.20
RAH19			40	28.97	76.8	0.10	5.00	10.30
RAH19			50	27.43	81.2	0.14	4.70	11.50
RAH19			63	25.25	85.0	0.22	4.30	13.00
RAH19			80	22.35	88.3	0.32	3.70	14.80
RAH19			100	18.84	91.1	0.50	3.00	16.80
RAH19			125	14.58	93.3	0.76	1.80	18.80
RAH19			160	9.08	95.0	1.14	0.00	21.10
RAH19			200	5.50	96.1	1.65	0.00	22.80
SIL01	7 517	7 518						
SIL01			20	23.30	63.3	0.00	5.60	7.60
SIL01			25	21.54	68.4	0.15	5.40	8.30
SIL01			32	15.58	68.9	0.23	5.20	9.20
SIL01			40	12.52	72.1	0.38	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			50	11.17	76.8	0.53	4.70	11.50
SIL01			63	7.96	79.8	0.83	4.30	13.00
SIL01			80	4.29	82.6	1.20	3.70	14.80
SIL01			100	0.93	86.0	1.88	3.00	16.80
SIL01			125	-2.99	89.3	2.86	1.80	18.80
SIL01			160	-12.33	88.2	4.29	0.00	21.10
SIL01			200	-16.60	90.0	6.17	0.00	22.80
SIL02	6 881	6 882						
SIL02			20	24.07	63.3	0.00	5.60	7.60
SIL02			25	22.32	68.4	0.14	5.40	8.30
SIL02			32	16.37	68.9	0.21	5.20	9.20
SIL02			40	13.32	72.1	0.34	5.00	10.30
SIL02			50	11.99	76.8	0.48	4.70	11.50
SIL02			63	8.79	79.8	0.76	4.30	13.00
SIL02			80	5.16	82.6	1.10	3.70	14.80
SIL02			100	1.85	86.0	1.72	3.00	16.80
SIL02			125	-1.98	89.3	2.62	1.80	18.80
SIL02			160	-11.20	88.2	3.92	0.00	21.10
SIL02			200	-15.31	90.0	5.64	0.00	22.80
SIL03	6 157	6 159						
SIL03			20	25.03	63.3	0.00	5.60	7.60
SIL03			25	23.30	68.4	0.12	5.40	8.30
SIL03			32	17.35	68.9	0.18	5.20	9.20
SIL03			40	14.33	72.1	0.31	5.00	10.30
SIL03			50	13.00	76.8	0.43	4.70	11.50
SIL03			63	9.84	79.8	0.68	4.30	13.00
SIL03			80	6.24	82.6	0.99	3.70	14.80
SIL03			100	3.00	86.0	1.54	3.00	16.80
SIL03			125	-0.74	89.3	2.34	1.80	18.80
SIL03			160	-9.82	88.2	3.51	0.00	21.10
SIL03			200	-13.75	90.0	5.05	0.00	22.80
SIL04	6 300	6 301						
SIL04			20	24.83	63.3	0.00	5.60	7.60
SIL04			25	23.10	68.4	0.13	5.40	8.30
SIL04			32	17.15	68.9	0.19	5.20	9.20
SIL04			40	14.12	72.1	0.32	5.00	10.30
SIL04			50	12.79	76.8	0.44	4.70	11.50
SIL04			63	9.62	79.8	0.69	4.30	13.00
SIL04			80	6.02	82.6	1.01	3.70	14.80
SIL04			100	2.77	86.0	1.58	3.00	16.80
SIL04			125	-0.99	89.3	2.39	1.80	18.80
SIL04			160	-10.10	88.2	3.59	0.00	21.10
SIL04			200	-14.07	90.0	5.17	0.00	22.80
SIL05	7 407	7 408						
SIL05			20	23.43	63.3	0.00	5.60	7.60
SIL05			25	21.68	68.4	0.15	5.40	8.30
SIL05			32	15.71	68.9	0.22	5.20	9.20
SIL05			40	12.66	72.1	0.37	5.00	10.30
SIL05			50	11.31	76.8	0.52	4.70	11.50
SIL05			63	8.10	79.8	0.81	4.30	13.00
SIL05			80	4.43	82.6	1.19	3.70	14.80
SIL05			100	1.08	86.0	1.85	3.00	16.80
SIL05			125	-2.82	89.3	2.82	1.80	18.80
SIL05			160	-12.13	88.2	4.22	0.00	21.10
SIL05			200	-16.38	90.0	6.07	0.00	22.80
SIL06	6 914	6 916						
SIL06			20	24.03	63.3	0.00	5.60	7.60
SIL06			25	22.28	68.4	0.14	5.40	8.30
SIL06			32	16.32	68.9	0.21	5.20	9.20
SIL06			40	13.28	72.1	0.35	5.00	10.30
SIL06			50	11.94	76.8	0.48	4.70	11.50
SIL06			63	8.75	79.8	0.76	4.30	13.00
SIL06			80	5.11	82.6	1.11	3.70	14.80
SIL06			100	1.80	86.0	1.73	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			125	-2.04	89.3	2.63	1.80	18.80
SIL06			160	-11.26	88.2	3.94	0.00	21.10
SIL06			200	-15.38	90.0	5.67	0.00	22.80
SIL07	6 414	6 415						
SIL07			20	24.68	63.3	0.00	5.60	7.60
SIL07			25	22.94	68.4	0.13	5.40	8.30
SIL07			32	16.99	68.9	0.19	5.20	9.20
SIL07			40	13.96	72.1	0.32	5.00	10.30
SIL07			50	12.63	76.8	0.45	4.70	11.50
SIL07			63	9.46	79.8	0.71	4.30	13.00
SIL07			80	5.84	82.6	1.03	3.70	14.80
SIL07			100	2.58	86.0	1.60	3.00	16.80
SIL07			125	-1.19	89.3	2.44	1.80	18.80
SIL07			160	-10.32	88.2	3.66	0.00	21.10
SIL07			200	-14.32	90.0	5.26	0.00	22.80
SIL08	6 903	6 904						
SIL08			20	24.04	63.3	0.00	5.60	7.60
SIL08			25	22.30	68.4	0.14	5.40	8.30
SIL08			32	16.34	68.9	0.21	5.20	9.20
SIL08			40	13.30	72.1	0.35	5.00	10.30
SIL08			50	11.96	76.8	0.48	4.70	11.50
SIL08			63	8.76	79.8	0.76	4.30	13.00
SIL08			80	5.12	82.6	1.10	3.70	14.80
SIL08			100	1.82	86.0	1.73	3.00	16.80
SIL08			125	-2.02	89.3	2.62	1.80	18.80
SIL08			160	-11.24	88.2	3.94	0.00	21.10
SIL08			200	-15.36	90.0	5.66	0.00	22.80
Sum								
Sum			20	46.31				
Sum			25	43.89				
Sum			32	42.55				
Sum			40	40.37				
Sum			50	39.24				
Sum			63	35.52				
Sum			80	32.28				
Sum			100	29.69				
Sum			125	23.43				
Sum			160	17.47				
Sum			200	13.63				

Noise sensitive area: AI Noise sensitive point: Finnish normal frequency - User defined (52)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	5 239	5 243						
KAR01			20	27.01	63.9	0.00	5.60	7.60
KAR01			25	24.10	67.8	0.10	5.40	8.30
KAR01			32	23.15	73.3	0.16	5.20	9.20
KAR01			40	20.55	76.9	0.26	5.00	10.30
KAR01			50	19.64	82.0	0.37	4.70	11.50
KAR01			63	14.83	83.3	0.58	4.30	13.00
KAR01			80	11.27	86.1	0.84	3.70	14.80
KAR01			100	9.40	90.8	1.31	3.00	16.80
KAR01			125	1.02	89.3	1.99	1.80	18.80
KAR01			160	-5.48	90.6	2.99	0.00	21.10
KAR01			200	-9.69	91.9	4.30	0.00	22.80
KAR02	4 521	4 525						
KAR02			20	28.29	63.9	0.00	5.60	7.60
KAR02			25	25.40	67.8	0.09	5.40	8.30
KAR02			32	24.45	73.3	0.14	5.20	9.20
KAR02			40	21.86	76.9	0.23	5.00	10.30
KAR02			50	20.97	82.0	0.32	4.70	11.50
KAR02			63	16.19	83.3	0.50	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR02			80	12.66	86.1	0.72	3.70	14.80
KAR02			100	10.86	90.8	1.13	3.00	16.80
KAR02			125	2.57	89.3	1.72	1.80	18.80
KAR02			160	-3.79	90.6	2.58	0.00	21.10
KAR02			200	-7.82	91.9	3.71	0.00	22.80
KAR03	5 131	5 135						
KAR03			20	27.19	63.9	0.00	5.60	7.60
KAR03			25	24.29	67.8	0.10	5.40	8.30
KAR03			32	23.34	73.3	0.15	5.20	9.20
KAR03			40	20.73	76.9	0.26	5.00	10.30
KAR03			50	19.83	82.0	0.36	4.70	11.50
KAR03			63	15.03	83.3	0.56	4.30	13.00
KAR03			80	11.47	86.1	0.82	3.70	14.80
KAR03			100	9.61	90.8	1.28	3.00	16.80
KAR03			125	1.24	89.3	1.95	1.80	18.80
KAR03			160	-5.24	90.6	2.93	0.00	21.10
KAR03			200	-9.42	91.9	4.21	0.00	22.80
KAR04	5 838	5 842						
KAR04			20	26.07	63.9	0.00	5.60	7.60
KAR04			25	23.15	67.8	0.12	5.40	8.30
KAR04			32	22.19	73.3	0.18	5.20	9.20
KAR04			40	19.58	76.9	0.29	5.00	10.30
KAR04			50	18.66	82.0	0.41	4.70	11.50
KAR04			63	13.83	83.3	0.64	4.30	13.00
KAR04			80	10.23	86.1	0.93	3.70	14.80
KAR04			100	8.31	90.8	1.46	3.00	16.80
KAR04			125	-0.15	89.3	2.22	1.80	18.80
KAR04			160	-6.76	90.6	3.33	0.00	21.10
KAR04			200	-11.12	91.9	4.79	0.00	22.80
KAR05	6 531	6 534						
KAR05			20	25.10	63.9	0.00	5.60	7.60
KAR05			25	22.17	67.8	0.13	5.40	8.30
KAR05			32	21.20	73.3	0.20	5.20	9.20
KAR05			40	18.57	76.9	0.33	5.00	10.30
KAR05			50	17.64	82.0	0.46	4.70	11.50
KAR05			63	12.78	83.3	0.72	4.30	13.00
KAR05			80	9.15	86.1	1.05	3.70	14.80
KAR05			100	7.16	90.8	1.63	3.00	16.80
KAR05			125	-1.39	89.3	2.48	1.80	18.80
KAR05			160	-8.13	90.6	3.72	0.00	21.10
KAR05			200	-12.66	91.9	5.36	0.00	22.80
KAR06	5 384	5 388						
KAR06			20	26.77	63.9	0.00	5.60	7.60
KAR06			25	23.86	67.8	0.11	5.40	8.30
KAR06			32	22.91	73.3	0.16	5.20	9.20
KAR06			40	20.30	76.9	0.27	5.00	10.30
KAR06			50	19.39	82.0	0.38	4.70	11.50
KAR06			63	14.58	83.3	0.59	4.30	13.00
KAR06			80	11.01	86.1	0.86	3.70	14.80
KAR06			100	9.12	90.8	1.35	3.00	16.80
KAR06			125	0.72	89.3	2.05	1.80	18.80
KAR06			160	-5.80	90.6	3.07	0.00	21.10
KAR06			200	-10.05	91.9	4.42	0.00	22.80
KAR07	4 857	4 861						
KAR07			20	27.67	63.9	0.00	5.60	7.60
KAR07			25	24.77	67.8	0.10	5.40	8.30
KAR07			32	23.82	73.3	0.15	5.20	9.20
KAR07			40	21.22	76.9	0.24	5.00	10.30
KAR07			50	20.33	82.0	0.34	4.70	11.50
KAR07			63	15.53	83.3	0.53	4.30	13.00
KAR07			80	11.99	86.1	0.78	3.70	14.80
KAR07			100	10.15	90.8	1.22	3.00	16.80
KAR07			125	1.82	89.3	1.85	1.80	18.80
KAR07			160	-4.61	90.6	2.77	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			200	-8.72	91.9	3.99	0.00	22.80
KAR08	4 471	4 475						
KAR08			20	28.38	63.9	0.00	5.60	7.60
KAR08			25	25.49	67.8	0.09	5.40	8.30
KAR08			32	24.55	73.3	0.13	5.20	9.20
KAR08			40	21.96	76.9	0.22	5.00	10.30
KAR08			50	21.07	82.0	0.31	4.70	11.50
KAR08			63	16.29	83.3	0.49	4.30	13.00
KAR08			80	12.77	86.1	0.72	3.70	14.80
KAR08			100	10.97	90.8	1.12	3.00	16.80
KAR08			125	2.68	89.3	1.70	1.80	18.80
KAR08			160	-3.67	90.6	2.55	0.00	21.10
KAR08			200	-7.69	91.9	3.67	0.00	22.80
KAR09	6 798	6 801						
KAR09			20	24.75	63.9	0.00	5.60	7.60
KAR09			25	21.81	67.8	0.14	5.40	8.30
KAR09			32	20.84	73.3	0.20	5.20	9.20
KAR09			40	18.21	76.9	0.34	5.00	10.30
KAR09			50	17.27	82.0	0.48	4.70	11.50
KAR09			63	12.40	83.3	0.75	4.30	13.00
KAR09			80	8.76	86.1	1.09	3.70	14.80
KAR09			100	6.75	90.8	1.70	3.00	16.80
KAR09			125	-1.84	89.3	2.58	1.80	18.80
KAR09			160	-8.63	90.6	3.88	0.00	21.10
KAR09			200	-13.23	91.9	5.58	0.00	22.80
KAR10	6 265	6 268						
KAR10			20	25.46	63.9	0.00	5.60	7.60
KAR10			25	22.53	67.8	0.13	5.40	8.30
KAR10			32	21.57	73.3	0.19	5.20	9.20
KAR10			40	18.94	76.9	0.31	5.00	10.30
KAR10			50	18.02	82.0	0.44	4.70	11.50
KAR10			63	13.17	83.3	0.69	4.30	13.00
KAR10			80	9.55	86.1	1.00	3.70	14.80
KAR10			100	7.59	90.8	1.57	3.00	16.80
KAR10			125	-0.92	89.3	2.38	1.80	18.80
KAR10			160	-7.61	90.6	3.57	0.00	21.10
KAR10			200	-12.08	91.9	5.14	0.00	22.80
KAR11	5 582	5 586						
KAR11			20	26.46	63.9	0.00	5.60	7.60
KAR11			25	23.55	67.8	0.11	5.40	8.30
KAR11			32	22.59	73.3	0.17	5.20	9.20
KAR11			40	19.98	76.9	0.28	5.00	10.30
KAR11			50	19.07	82.0	0.39	4.70	11.50
KAR11			63	14.24	83.3	0.61	4.30	13.00
KAR11			80	10.66	86.1	0.89	3.70	14.80
KAR11			100	8.76	90.8	1.40	3.00	16.80
KAR11			125	0.34	89.3	2.12	1.80	18.80
KAR11			160	-6.23	90.6	3.18	0.00	21.10
KAR11			200	-10.52	91.9	4.58	0.00	22.80
KAR12	6 522	6 525						
KAR12			20	25.11	63.9	0.00	5.60	7.60
KAR12			25	22.18	67.8	0.13	5.40	8.30
KAR12			32	21.21	73.3	0.20	5.20	9.20
KAR12			40	18.58	76.9	0.33	5.00	10.30
KAR12			50	17.65	82.0	0.46	4.70	11.50
KAR12			63	12.79	83.3	0.72	4.30	13.00
KAR12			80	9.16	86.1	1.04	3.70	14.80
KAR12			100	7.18	90.8	1.63	3.00	16.80
KAR12			125	-1.37	89.3	2.48	1.80	18.80
KAR12			160	-8.11	90.6	3.72	0.00	21.10
KAR12			200	-12.64	91.9	5.35	0.00	22.80
KAR13	5 728	5 731						
KAR13			20	26.24	63.9	0.00	5.60	7.60
KAR13			25	23.32	67.8	0.11	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			32	22.36	73.3	0.17	5.20	9.20
KAR13			40	19.75	76.9	0.29	5.00	10.30
KAR13			50	18.83	82.0	0.40	4.70	11.50
KAR13			63	14.00	83.3	0.63	4.30	13.00
KAR13			80	10.42	86.1	0.92	3.70	14.80
KAR13			100	8.50	90.8	1.43	3.00	16.80
KAR13			125	0.06	89.3	2.18	1.80	18.80
KAR13			160	-6.53	90.6	3.27	0.00	21.10
KAR13			200	-10.86	91.9	4.70	0.00	22.80
KAR14	7 077	7 080						
KAR14			20	24.40	63.9	0.00	5.60	7.60
KAR14			25	21.46	67.8	0.14	5.40	8.30
KAR14			32	20.49	73.3	0.21	5.20	9.20
KAR14			40	17.85	76.9	0.35	5.00	10.30
KAR14			50	16.90	82.0	0.50	4.70	11.50
KAR14			63	12.02	83.3	0.78	4.30	13.00
KAR14			80	8.37	86.1	1.13	3.70	14.80
KAR14			100	6.33	90.8	1.77	3.00	16.80
KAR14			125	-2.29	89.3	2.69	1.80	18.80
KAR14			160	-9.14	90.6	4.04	0.00	21.10
KAR14			200	-13.81	91.9	5.81	0.00	22.80
KAR15	5 427	5 431						
KAR15			20	26.70	63.9	0.00	5.60	7.60
KAR15			25	23.79	67.8	0.11	5.40	8.30
KAR15			32	22.84	73.3	0.16	5.20	9.20
KAR15			40	20.23	76.9	0.27	5.00	10.30
KAR15			50	19.32	82.0	0.38	4.70	11.50
KAR15			63	14.51	83.3	0.60	4.30	13.00
KAR15			80	10.93	86.1	0.87	3.70	14.80
KAR15			100	9.05	90.8	1.36	3.00	16.80
KAR15			125	0.64	89.3	2.06	1.80	18.80
KAR15			160	-5.89	90.6	3.10	0.00	21.10
KAR15			200	-10.15	91.9	4.45	0.00	22.80
KAR16	7 100	7 103						
KAR16			20	24.37	63.9	0.00	5.60	7.60
KAR16			25	21.43	67.8	0.14	5.40	8.30
KAR16			32	20.46	73.3	0.21	5.20	9.20
KAR16			40	17.82	76.9	0.36	5.00	10.30
KAR16			50	16.87	82.0	0.50	4.70	11.50
KAR16			63	11.99	83.3	0.78	4.30	13.00
KAR16			80	8.33	86.1	1.14	3.70	14.80
KAR16			100	6.30	90.8	1.78	3.00	16.80
KAR16			125	-2.33	89.3	2.70	1.80	18.80
KAR16			160	-9.18	90.6	4.05	0.00	21.10
KAR16			200	-13.85	91.9	5.82	0.00	22.80
KAR17	6 743	6 745						
KAR17			20	24.82	63.9	0.00	5.60	7.60
KAR17			25	21.88	67.8	0.13	5.40	8.30
KAR17			32	20.92	73.3	0.20	5.20	9.20
KAR17			40	18.28	76.9	0.34	5.00	10.30
KAR17			50	17.35	82.0	0.47	4.70	11.50
KAR17			63	12.48	83.3	0.74	4.30	13.00
KAR17			80	8.84	86.1	1.08	3.70	14.80
KAR17			100	6.83	90.8	1.69	3.00	16.80
KAR17			125	-1.74	89.3	2.56	1.80	18.80
KAR17			160	-8.53	90.6	3.84	0.00	21.10
KAR17			200	-13.11	91.9	5.53	0.00	22.80
KAR18	7 729	7 731						
KAR18			20	23.63	63.9	0.00	5.60	7.60
KAR18			25	20.68	67.8	0.15	5.40	8.30
KAR18			32	19.70	73.3	0.23	5.20	9.20
KAR18			40	17.05	76.9	0.39	5.00	10.30
KAR18			50	16.09	82.0	0.54	4.70	11.50
KAR18			63	11.18	83.3	0.85	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR18			80	7.50	86.1	1.24	3.70	14.80
KAR18			100	5.40	90.8	1.93	3.00	16.80
KAR18			125	-3.30	89.3	2.94	1.80	18.80
KAR18			160	-10.27	90.6	4.41	0.00	21.10
KAR18			200	-15.11	91.9	6.34	0.00	22.80
KAR19	5 987	5 990						
KAR19			20	25.85	63.9	0.00	5.60	7.60
KAR19			25	22.93	67.8	0.12	5.40	8.30
KAR19			32	21.97	73.3	0.18	5.20	9.20
KAR19			40	19.35	76.9	0.30	5.00	10.30
KAR19			50	18.43	82.0	0.42	4.70	11.50
KAR19			63	13.59	83.3	0.66	4.30	13.00
KAR19			80	9.99	86.1	0.96	3.70	14.80
KAR19			100	8.05	90.8	1.50	3.00	16.80
KAR19			125	-0.42	89.3	2.28	1.80	18.80
KAR19			160	-7.06	90.6	3.41	0.00	21.10
KAR19			200	-11.46	91.9	4.91	0.00	22.80
KAR20	7 428	7 431						
KAR20			20	23.98	63.9	0.00	5.60	7.60
KAR20			25	21.03	67.8	0.15	5.40	8.30
KAR20			32	20.06	73.3	0.22	5.20	9.20
KAR20			40	17.41	76.9	0.37	5.00	10.30
KAR20			50	16.46	82.0	0.52	4.70	11.50
KAR20			63	11.56	83.3	0.82	4.30	13.00
KAR20			80	7.89	86.1	1.19	3.70	14.80
KAR20			100	5.82	90.8	1.86	3.00	16.80
KAR20			125	-2.84	89.3	2.82	1.80	18.80
KAR20			160	-9.76	90.6	4.24	0.00	21.10
KAR20			200	-14.51	91.9	6.09	0.00	22.80
KAR21	6 948	6 951						
KAR21			20	24.56	63.9	0.00	5.60	7.60
KAR21			25	21.62	67.8	0.14	5.40	8.30
KAR21			32	20.65	73.3	0.21	5.20	9.20
KAR21			40	18.01	76.9	0.35	5.00	10.30
KAR21			50	17.07	82.0	0.49	4.70	11.50
KAR21			63	12.19	83.3	0.76	4.30	13.00
KAR21			80	8.55	86.1	1.11	3.70	14.80
KAR21			100	6.52	90.8	1.74	3.00	16.80
KAR21			125	-2.08	89.3	2.64	1.80	18.80
KAR21			160	-8.90	90.6	3.96	0.00	21.10
KAR21			200	-13.54	91.9	5.70	0.00	22.80
KAR22	6 786	6 789						
KAR22			20	24.76	63.9	0.00	5.60	7.60
KAR22			25	21.83	67.8	0.14	5.40	8.30
KAR22			32	20.86	73.3	0.20	5.20	9.20
KAR22			40	18.22	76.9	0.34	5.00	10.30
KAR22			50	17.29	82.0	0.48	4.70	11.50
KAR22			63	12.42	83.3	0.75	4.30	13.00
KAR22			80	8.78	86.1	1.09	3.70	14.80
KAR22			100	6.77	90.8	1.70	3.00	16.80
KAR22			125	-1.82	89.3	2.58	1.80	18.80
KAR22			160	-8.61	90.6	3.87	0.00	21.10
KAR22			200	-13.20	91.9	5.57	0.00	22.80
KAR23	7 391	7 393						
KAR23			20	24.02	63.9	0.00	5.60	7.60
KAR23			25	21.08	67.8	0.15	5.40	8.30
KAR23			32	20.10	73.3	0.22	5.20	9.20
KAR23			40	17.45	76.9	0.37	5.00	10.30
KAR23			50	16.51	82.0	0.52	4.70	11.50
KAR23			63	11.61	83.3	0.81	4.30	13.00
KAR23			80	7.94	86.1	1.18	3.70	14.80
KAR23			100	5.87	90.8	1.85	3.00	16.80
KAR23			125	-2.79	89.3	2.81	1.80	18.80
KAR23			160	-9.69	90.6	4.21	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			200	-14.44	91.9	6.06	0.00	22.80
KAR24	5 789	5 792						
KAR24			20	26.14	63.9	0.00	5.60	7.60
KAR24			25	23.23	67.8	0.12	5.40	8.30
KAR24			32	22.27	73.3	0.17	5.20	9.20
KAR24			40	19.65	76.9	0.29	5.00	10.30
KAR24			50	18.74	82.0	0.41	4.70	11.50
KAR24			63	13.91	83.3	0.64	4.30	13.00
KAR24			80	10.32	86.1	0.93	3.70	14.80
KAR24			100	8.40	90.8	1.45	3.00	16.80
KAR24			125	-0.06	89.3	2.20	1.80	18.80
KAR24			160	-6.66	90.6	3.30	0.00	21.10
KAR24			200	-11.01	91.9	4.75	0.00	22.80
KAR25	4 429	4 433						
KAR25			20	28.47	63.9	0.00	5.60	7.60
KAR25			25	25.58	67.8	0.09	5.40	8.30
KAR25			32	24.63	73.3	0.13	5.20	9.20
KAR25			40	22.04	76.9	0.22	5.00	10.30
KAR25			50	21.16	82.0	0.31	4.70	11.50
KAR25			63	16.38	83.3	0.49	4.30	13.00
KAR25			80	12.86	86.1	0.71	3.70	14.80
KAR25			100	11.06	90.8	1.11	3.00	16.80
KAR25			125	2.78	89.3	1.68	1.80	18.80
KAR25			160	-3.56	90.6	2.53	0.00	21.10
KAR25			200	-7.57	91.9	3.64	0.00	22.80
MAA01	3 152	3 155						
MAA01			20	31.42	63.9	0.00	5.60	7.60
MAA01			25	28.56	67.8	0.06	5.40	8.30
MAA01			32	27.63	73.3	0.09	5.20	9.20
MAA01			40	25.06	76.9	0.16	5.00	10.30
MAA01			50	24.20	82.0	0.22	4.70	11.50
MAA01			63	19.47	83.3	0.35	4.30	13.00
MAA01			80	16.02	86.1	0.50	3.70	14.80
MAA01			100	14.33	90.8	0.79	3.00	16.80
MAA01			125	6.22	89.3	1.20	1.80	18.80
MAA01			160	0.12	90.6	1.80	0.00	21.10
MAA01			200	-3.57	91.9	2.59	0.00	22.80
MAA03	2 753	2 757						
MAA03			20	32.59	63.9	0.00	5.60	7.60
MAA03			25	29.74	67.8	0.06	5.40	8.30
MAA03			32	28.81	73.3	0.08	5.20	9.20
MAA03			40	26.25	76.9	0.14	5.00	10.30
MAA03			50	25.40	82.0	0.19	4.70	11.50
MAA03			63	20.69	83.3	0.30	4.30	13.00
MAA03			80	17.25	86.1	0.44	3.70	14.80
MAA03			100	15.60	90.8	0.69	3.00	16.80
MAA03			125	7.54	89.3	1.05	1.80	18.80
MAA03			160	1.52	90.6	1.57	0.00	21.10
MAA03			200	-2.07	91.9	2.26	0.00	22.80
MAA04	1 509	1 516						
MAA04			20	37.78	63.9	0.00	5.60	7.60
MAA04			25	34.95	67.8	0.03	5.40	8.30
MAA04			32	34.04	73.3	0.05	5.20	9.20
MAA04			40	31.51	76.9	0.08	5.00	10.30
MAA04			50	30.68	82.0	0.11	4.70	11.50
MAA04			63	26.02	83.3	0.17	4.30	13.00
MAA04			80	22.64	86.1	0.24	3.70	14.80
MAA04			100	21.11	90.8	0.38	3.00	16.80
MAA04			125	13.21	89.3	0.58	1.80	18.80
MAA04			160	7.42	90.6	0.86	0.00	21.10
MAA04			200	4.14	91.9	1.24	0.00	22.80
MAA05	2 422	2 426						
MAA05			20	33.70	63.9	0.00	5.60	7.60
MAA05			25	30.85	67.8	0.05	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			32	29.93	73.3	0.07	5.20	9.20
MAA05			40	27.38	76.9	0.12	5.00	10.30
MAA05			50	26.53	82.0	0.17	4.70	11.50
MAA05			63	21.83	83.3	0.27	4.30	13.00
MAA05			80	18.41	86.1	0.39	3.70	14.80
MAA05			100	16.79	90.8	0.61	3.00	16.80
MAA05			125	8.78	89.3	0.92	1.80	18.80
MAA05			160	2.82	90.6	1.38	0.00	21.10
MAA05			200	-0.69	91.9	1.99	0.00	22.80
MAA06	2 003	2 008						
MAA06			20	35.34	63.9	0.00	5.60	7.60
MAA06			25	32.50	67.8	0.04	5.40	8.30
MAA06			32	31.58	73.3	0.06	5.20	9.20
MAA06			40	29.04	76.9	0.10	5.00	10.30
MAA06			50	28.20	82.0	0.14	4.70	11.50
MAA06			63	23.52	83.3	0.22	4.30	13.00
MAA06			80	20.12	86.1	0.32	3.70	14.80
MAA06			100	18.54	90.8	0.50	3.00	16.80
MAA06			125	10.58	89.3	0.76	1.80	18.80
MAA06			160	4.70	90.6	1.14	0.00	21.10
MAA06			200	1.30	91.9	1.65	0.00	22.80
MAA07	1 728	1 734						
MAA07			20	36.62	63.9	0.00	5.60	7.60
MAA07			25	33.78	67.8	0.03	5.40	8.30
MAA07			32	32.87	73.3	0.05	5.20	9.20
MAA07			40	30.33	76.9	0.09	5.00	10.30
MAA07			50	29.50	82.0	0.12	4.70	11.50
MAA07			63	24.83	83.3	0.19	4.30	13.00
MAA07			80	21.44	86.1	0.28	3.70	14.80
MAA07			100	19.88	90.8	0.43	3.00	16.80
MAA07			125	11.96	89.3	0.66	1.80	18.80
MAA07			160	6.13	90.6	0.99	0.00	21.10
MAA07			200	2.80	91.9	1.42	0.00	22.80
MAA08	1 617	1 624						
MAA08			20	37.19	63.9	0.00	5.60	7.60
MAA08			25	34.36	67.8	0.03	5.40	8.30
MAA08			32	33.44	73.3	0.05	5.20	9.20
MAA08			40	30.91	76.9	0.08	5.00	10.30
MAA08			50	30.07	82.0	0.11	4.70	11.50
MAA08			63	25.41	83.3	0.18	4.30	13.00
MAA08			80	22.03	86.1	0.26	3.70	14.80
MAA08			100	20.48	90.8	0.41	3.00	16.80
MAA08			125	12.57	89.3	0.62	1.80	18.80
MAA08			160	6.76	90.6	0.93	0.00	21.10
MAA08			200	3.46	91.9	1.33	0.00	22.80
RAH01	4 813	4 816						
RAH01			20	25.90	62.0	0.00	5.60	7.60
RAH01			25	24.30	67.2	0.10	5.40	8.30
RAH01			32	22.65	72.0	0.14	5.20	9.20
RAH01			40	21.23	76.8	0.24	5.00	10.30
RAH01			50	19.63	81.2	0.34	4.70	11.50
RAH01			63	17.34	85.0	0.53	4.30	13.00
RAH01			80	14.30	88.3	0.77	3.70	14.80
RAH01			100	10.54	91.1	1.20	3.00	16.80
RAH01			125	5.92	93.3	1.83	1.80	18.80
RAH01			160	-0.12	95.0	2.74	0.00	21.10
RAH01			200	-4.40	96.1	3.95	0.00	22.80
RAH02	4 401	4 404						
RAH02			20	26.67	62.0	0.00	5.60	7.60
RAH02			25	25.08	67.2	0.09	5.40	8.30
RAH02			32	23.44	72.0	0.13	5.20	9.20
RAH02			40	22.03	76.8	0.22	5.00	10.30
RAH02			50	20.44	81.2	0.31	4.70	11.50
RAH02			63	18.16	85.0	0.48	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH02			80	15.14	88.3	0.70	3.70	14.80
RAH02			100	11.42	91.1	1.10	3.00	16.80
RAH02			125	6.85	93.3	1.67	1.80	18.80
RAH02			160	0.89	95.0	2.51	0.00	21.10
RAH02			200	-3.29	96.1	3.61	0.00	22.80
RAH03	4 125	4 128						
RAH03			20	27.23	62.0	0.00	5.60	7.60
RAH03			25	25.65	67.2	0.08	5.40	8.30
RAH03			32	24.01	72.0	0.12	5.20	9.20
RAH03			40	22.60	76.8	0.21	5.00	10.30
RAH03			50	21.02	81.2	0.29	4.70	11.50
RAH03			63	18.76	85.0	0.45	4.30	13.00
RAH03			80	15.75	88.3	0.66	3.70	14.80
RAH03			100	12.05	91.1	1.03	3.00	16.80
RAH03			125	7.52	93.3	1.57	1.80	18.80
RAH03			160	1.61	95.0	2.35	0.00	21.10
RAH03			200	-2.50	96.1	3.39	0.00	22.80
RAH04	4 031	4 034						
RAH04			20	27.43	62.0	0.00	5.60	7.60
RAH04			25	25.85	67.2	0.08	5.40	8.30
RAH04			32	24.21	72.0	0.12	5.20	9.20
RAH04			40	22.81	76.8	0.20	5.00	10.30
RAH04			50	21.23	81.2	0.28	4.70	11.50
RAH04			63	18.97	85.0	0.44	4.30	13.00
RAH04			80	15.96	88.3	0.65	3.70	14.80
RAH04			100	12.28	91.1	1.01	3.00	16.80
RAH04			125	7.75	93.3	1.53	1.80	18.80
RAH04			160	1.86	95.0	2.30	0.00	21.10
RAH04			200	-2.22	96.1	3.31	0.00	22.80
RAH05	3 412	3 416						
RAH05			20	28.88	62.0	0.00	5.60	7.60
RAH05			25	27.31	67.2	0.07	5.40	8.30
RAH05			32	25.68	72.0	0.10	5.20	9.20
RAH05			40	24.28	76.8	0.17	5.00	10.30
RAH05			50	22.71	81.2	0.24	4.70	11.50
RAH05			63	20.48	85.0	0.38	4.30	13.00
RAH05			80	17.51	88.3	0.55	3.70	14.80
RAH05			100	13.88	91.1	0.85	3.00	16.80
RAH05			125	9.43	93.3	1.30	1.80	18.80
RAH05			160	3.66	95.0	1.95	0.00	21.10
RAH05			200	-0.27	96.1	2.80	0.00	22.80
RAH06	3 140	3 144						
RAH06			20	29.60	62.0	0.00	5.60	7.60
RAH06			25	28.04	67.2	0.06	5.40	8.30
RAH06			32	26.40	72.0	0.09	5.20	9.20
RAH06			40	25.02	76.8	0.16	5.00	10.30
RAH06			50	23.45	81.2	0.22	4.70	11.50
RAH06			63	21.23	85.0	0.35	4.30	13.00
RAH06			80	18.27	88.3	0.50	3.70	14.80
RAH06			100	14.66	91.1	0.79	3.00	16.80
RAH06			125	10.26	93.3	1.19	1.80	18.80
RAH06			160	4.53	95.0	1.79	0.00	21.10
RAH06			200	0.67	96.1	2.58	0.00	22.80
RAH07	4 086	4 089						
RAH07			20	27.31	62.0	0.00	5.60	7.60
RAH07			25	25.73	67.2	0.08	5.40	8.30
RAH07			32	24.09	72.0	0.12	5.20	9.20
RAH07			40	22.69	76.8	0.20	5.00	10.30
RAH07			50	21.10	81.2	0.29	4.70	11.50
RAH07			63	18.84	85.0	0.45	4.30	13.00
RAH07			80	15.84	88.3	0.65	3.70	14.80
RAH07			100	12.14	91.1	1.02	3.00	16.80
RAH07			125	7.61	93.3	1.55	1.80	18.80
RAH07			160	1.71	95.0	2.33	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			200	-2.39	96.1	3.35	0.00	22.80
RAH08	4 553	4 556						
RAH08			20	26.38	62.0	0.00	5.60	7.60
RAH08			25	24.79	67.2	0.09	5.40	8.30
RAH08			32	23.14	72.0	0.14	5.20	9.20
RAH08			40	21.73	76.8	0.23	5.00	10.30
RAH08			50	20.13	81.2	0.32	4.70	11.50
RAH08			63	17.85	85.0	0.50	4.30	13.00
RAH08			80	14.82	88.3	0.73	3.70	14.80
RAH08			100	11.09	91.1	1.14	3.00	16.80
RAH08			125	6.50	93.3	1.73	1.80	18.80
RAH08			160	0.51	95.0	2.60	0.00	21.10
RAH08			200	-3.71	96.1	3.74	0.00	22.80
RAH09	3 805	3 809						
RAH09			20	27.93	62.0	0.00	5.60	7.60
RAH09			25	26.36	67.2	0.08	5.40	8.30
RAH09			32	24.72	72.0	0.11	5.20	9.20
RAH09			40	23.32	76.8	0.19	5.00	10.30
RAH09			50	21.74	81.2	0.27	4.70	11.50
RAH09			63	19.49	85.0	0.42	4.30	13.00
RAH09			80	16.50	88.3	0.61	3.70	14.80
RAH09			100	12.83	91.1	0.95	3.00	16.80
RAH09			125	8.34	93.3	1.45	1.80	18.80
RAH09			160	2.49	95.0	2.17	0.00	21.10
RAH09			200	-1.54	96.1	3.12	0.00	22.80
RAH10	4 543	4 546						
RAH10			20	26.40	62.0	0.00	5.60	7.60
RAH10			25	24.81	67.2	0.09	5.40	8.30
RAH10			32	23.16	72.0	0.14	5.20	9.20
RAH10			40	21.74	76.8	0.23	5.00	10.30
RAH10			50	20.15	81.2	0.32	4.70	11.50
RAH10			63	17.87	85.0	0.50	4.30	13.00
RAH10			80	14.84	88.3	0.73	3.70	14.80
RAH10			100	11.11	91.1	1.14	3.00	16.80
RAH10			125	6.52	93.3	1.73	1.80	18.80
RAH10			160	0.53	95.0	2.59	0.00	21.10
RAH10			200	-3.68	96.1	3.73	0.00	22.80
RAH11	4 890	4 892						
RAH11			20	25.76	62.0	0.00	5.60	7.60
RAH11			25	24.16	67.2	0.10	5.40	8.30
RAH11			32	22.51	72.0	0.15	5.20	9.20
RAH11			40	21.09	76.8	0.24	5.00	10.30
RAH11			50	19.49	81.2	0.34	4.70	11.50
RAH11			63	17.20	85.0	0.54	4.30	13.00
RAH11			80	14.15	88.3	0.78	3.70	14.80
RAH11			100	10.39	91.1	1.22	3.00	16.80
RAH11			125	5.75	93.3	1.86	1.80	18.80
RAH11			160	-0.30	95.0	2.79	0.00	21.10
RAH11			200	-4.60	96.1	4.01	0.00	22.80
RAH12	5 600	5 602						
RAH12			20	24.58	62.0	0.00	5.60	7.60
RAH12			25	22.97	67.2	0.11	5.40	8.30
RAH12			32	21.31	72.0	0.17	5.20	9.20
RAH12			40	19.88	76.8	0.28	5.00	10.30
RAH12			50	18.26	81.2	0.39	4.70	11.50
RAH12			63	15.94	85.0	0.62	4.30	13.00
RAH12			80	12.86	88.3	0.90	3.70	14.80
RAH12			100	9.03	91.1	1.40	3.00	16.80
RAH12			125	4.30	93.3	2.13	1.80	18.80
RAH12			160	-1.89	95.0	3.19	0.00	21.10
RAH12			200	-6.36	96.1	4.59	0.00	22.80
RAH13	5 790	5 793						
RAH13			20	24.29	62.0	0.00	5.60	7.60
RAH13			25	22.68	67.2	0.12	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			32	21.02	72.0	0.17	5.20	9.20
RAH13			40	19.58	76.8	0.29	5.00	10.30
RAH13			50	17.96	81.2	0.41	4.70	11.50
RAH13			63	15.63	85.0	0.64	4.30	13.00
RAH13			80	12.54	88.3	0.93	3.70	14.80
RAH13			100	8.69	91.1	1.45	3.00	16.80
RAH13			125	3.94	93.3	2.20	1.80	18.80
RAH13			160	-2.28	95.0	3.30	0.00	21.10
RAH13			200	-6.81	96.1	4.75	0.00	22.80
RAH14	5 193	5 195						
RAH14			20	25.24	62.0	0.00	5.60	7.60
RAH14			25	23.63	67.2	0.10	5.40	8.30
RAH14			32	21.98	72.0	0.16	5.20	9.20
RAH14			40	20.55	76.8	0.26	5.00	10.30
RAH14			50	18.95	81.2	0.36	4.70	11.50
RAH14			63	16.64	85.0	0.57	4.30	13.00
RAH14			80	13.58	88.3	0.83	3.70	14.80
RAH14			100	9.79	91.1	1.30	3.00	16.80
RAH14			125	5.11	93.3	1.97	1.80	18.80
RAH14			160	-1.00	95.0	2.96	0.00	21.10
RAH14			200	-5.37	96.1	4.26	0.00	22.80
RAH15	6 229	6 232						
RAH15			20	23.66	62.0	0.00	5.60	7.60
RAH15			25	22.03	67.2	0.12	5.40	8.30
RAH15			32	20.37	72.0	0.19	5.20	9.20
RAH15			40	18.92	76.8	0.31	5.00	10.30
RAH15			50	17.30	81.2	0.44	4.70	11.50
RAH15			63	14.95	85.0	0.69	4.30	13.00
RAH15			80	11.84	88.3	1.00	3.70	14.80
RAH15			100	7.95	91.1	1.56	3.00	16.80
RAH15			125	3.14	93.3	2.37	1.80	18.80
RAH15			160	-3.17	95.0	3.55	0.00	21.10
RAH15			200	-7.80	96.1	5.11	0.00	22.80
RAH16	6 696	6 697						
RAH16			20	23.03	62.0	0.00	5.60	7.60
RAH16			25	21.40	67.2	0.13	5.40	8.30
RAH16			32	19.73	72.0	0.20	5.20	9.20
RAH16			40	18.27	76.8	0.33	5.00	10.30
RAH16			50	16.64	81.2	0.47	4.70	11.50
RAH16			63	14.27	85.0	0.74	4.30	13.00
RAH16			80	11.13	88.3	1.07	3.70	14.80
RAH16			100	7.21	91.1	1.67	3.00	16.80
RAH16			125	2.34	93.3	2.54	1.80	18.80
RAH16			160	-4.06	95.0	3.82	0.00	21.10
RAH16			200	-8.81	96.1	5.49	0.00	22.80
RAH17	5 455	5 458						
RAH17			20	24.81	62.0	0.00	5.60	7.60
RAH17			25	23.20	67.2	0.11	5.40	8.30
RAH17			32	21.54	72.0	0.16	5.20	9.20
RAH17			40	20.11	76.8	0.27	5.00	10.30
RAH17			50	18.50	81.2	0.38	4.70	11.50
RAH17			63	16.18	85.0	0.60	4.30	13.00
RAH17			80	13.11	88.3	0.87	3.70	14.80
RAH17			100	9.29	91.1	1.36	3.00	16.80
RAH17			125	4.58	93.3	2.07	1.80	18.80
RAH17			160	-1.58	95.0	3.11	0.00	21.10
RAH17			200	-6.02	96.1	4.48	0.00	22.80
RAH18	6 023	6 026						
RAH18			20	23.95	62.0	0.00	5.60	7.60
RAH18			25	22.33	67.2	0.12	5.40	8.30
RAH18			32	20.67	72.0	0.18	5.20	9.20
RAH18			40	19.22	76.8	0.30	5.00	10.30
RAH18			50	17.60	81.2	0.42	4.70	11.50
RAH18			63	15.26	85.0	0.66	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH18			80	12.16	88.3	0.96	3.70	14.80
RAH18			100	8.29	91.1	1.51	3.00	16.80
RAH18			125	3.51	93.3	2.29	1.80	18.80
RAH18			160	-2.76	95.0	3.43	0.00	21.10
RAH18			200	-7.34	96.1	4.94	0.00	22.80
RAH19	6 113	6 116						
RAH19			20	23.82	62.0	0.00	5.60	7.60
RAH19			25	22.20	67.2	0.12	5.40	8.30
RAH19			32	20.54	72.0	0.18	5.20	9.20
RAH19			40	19.09	76.8	0.31	5.00	10.30
RAH19			50	17.47	81.2	0.43	4.70	11.50
RAH19			63	15.12	85.0	0.67	4.30	13.00
RAH19			80	12.02	88.3	0.98	3.70	14.80
RAH19			100	8.14	91.1	1.53	3.00	16.80
RAH19			125	3.35	93.3	2.32	1.80	18.80
RAH19			160	-2.94	95.0	3.49	0.00	21.10
RAH19			200	-7.54	96.1	5.01	0.00	22.80
SIL01	12 032	12 033						
SIL01			20	19.22	63.3	0.00	5.60	7.60
SIL01			25	17.37	68.4	0.24	5.40	8.30
SIL01			32	11.36	68.9	0.36	5.20	9.20
SIL01			40	8.21	72.1	0.60	5.00	10.30
SIL01			50	6.77	76.8	0.84	4.70	11.50
SIL01			63	3.37	79.8	1.32	4.30	13.00
SIL01			80	-0.52	82.6	1.93	3.70	14.80
SIL01			100	-4.29	86.0	3.01	3.00	16.80
SIL01			125	-8.79	89.3	4.57	1.80	18.80
SIL01			160	-18.98	88.2	6.86	0.00	21.10
SIL01			200	-24.39	90.0	9.87	0.00	22.80
SIL02	11 532	11 533						
SIL02			20	19.58	63.3	0.00	5.60	7.60
SIL02			25	17.75	68.4	0.23	5.40	8.30
SIL02			32	11.74	68.9	0.35	5.20	9.20
SIL02			40	8.61	72.1	0.58	5.00	10.30
SIL02			50	7.18	76.8	0.81	4.70	11.50
SIL02			63	3.80	79.8	1.27	4.30	13.00
SIL02			80	-0.07	82.6	1.85	3.70	14.80
SIL02			100	-3.79	86.0	2.88	3.00	16.80
SIL02			125	-8.23	89.3	4.38	1.80	18.80
SIL02			160	-18.33	88.2	6.57	0.00	21.10
SIL02			200	-23.61	90.0	9.46	0.00	22.80
SIL03	10 894	10 895						
SIL03			20	20.08	63.3	0.00	5.60	7.60
SIL03			25	18.26	68.4	0.22	5.40	8.30
SIL03			32	12.26	68.9	0.33	5.20	9.20
SIL03			40	9.13	72.1	0.54	5.00	10.30
SIL03			50	7.72	76.8	0.76	4.70	11.50
SIL03			63	4.36	79.8	1.20	4.30	13.00
SIL03			80	0.52	82.6	1.74	3.70	14.80
SIL03			100	-3.14	86.0	2.72	3.00	16.80
SIL03			125	-7.50	89.3	4.14	1.80	18.80
SIL03			160	-17.47	88.2	6.21	0.00	21.10
SIL03			200	-22.59	90.0	8.93	0.00	22.80
SIL04	10 901	10 902						
SIL04			20	20.07	63.3	0.00	5.60	7.60
SIL04			25	18.25	68.4	0.22	5.40	8.30
SIL04			32	12.25	68.9	0.33	5.20	9.20
SIL04			40	9.13	72.1	0.55	5.00	10.30
SIL04			50	7.71	76.8	0.76	4.70	11.50
SIL04			63	4.36	79.8	1.20	4.30	13.00
SIL04			80	0.52	82.6	1.74	3.70	14.80
SIL04			100	-3.15	86.0	2.73	3.00	16.80
SIL04			125	-7.50	89.3	4.14	1.80	18.80
SIL04			160	-17.48	88.2	6.21	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			200	-22.60	90.0	8.94	0.00	22.80
SIL05	11 767	11 768						
SIL05			20	19.41	63.3	0.00	5.60	7.60
SIL05			25	17.57	68.4	0.24	5.40	8.30
SIL05			32	11.56	68.9	0.35	5.20	9.20
SIL05			40	8.42	72.1	0.59	5.00	10.30
SIL05			50	6.99	76.8	0.82	4.70	11.50
SIL05			63	3.60	79.8	1.29	4.30	13.00
SIL05			80	-0.29	82.6	1.88	3.70	14.80
SIL05			100	-4.03	86.0	2.94	3.00	16.80
SIL05			125	-8.50	89.3	4.47	1.80	18.80
SIL05			160	-18.64	88.2	6.71	0.00	21.10
SIL05			200	-23.98	90.0	9.65	0.00	22.80
SIL06	11 398	11 399						
SIL06			20	19.69	63.3	0.00	5.60	7.60
SIL06			25	17.85	68.4	0.23	5.40	8.30
SIL06			32	11.85	68.9	0.34	5.20	9.20
SIL06			40	8.72	72.1	0.57	5.00	10.30
SIL06			50	7.29	76.8	0.80	4.70	11.50
SIL06			63	3.91	79.8	1.25	4.30	13.00
SIL06			80	0.05	82.6	1.82	3.70	14.80
SIL06			100	-3.66	86.0	2.85	3.00	16.80
SIL06			125	-8.08	89.3	4.33	1.80	18.80
SIL06			160	-18.15	88.2	6.50	0.00	21.10
SIL06			200	-23.40	90.0	9.35	0.00	22.80
SIL07	10 835	10 836						
SIL07			20	20.13	63.3	0.00	5.60	7.60
SIL07			25	18.30	68.4	0.22	5.40	8.30
SIL07			32	12.31	68.9	0.33	5.20	9.20
SIL07			40	9.18	72.1	0.54	5.00	10.30
SIL07			50	7.77	76.8	0.76	4.70	11.50
SIL07			63	4.42	79.8	1.19	4.30	13.00
SIL07			80	0.58	82.6	1.73	3.70	14.80
SIL07			100	-3.08	86.0	2.71	3.00	16.80
SIL07			125	-7.43	89.3	4.12	1.80	18.80
SIL07			160	-17.39	88.2	6.18	0.00	21.10
SIL07			200	-22.49	90.0	8.89	0.00	22.80
SIL08	11 177	11 178						
SIL08			20	19.86	63.3	0.00	5.60	7.60
SIL08			25	18.03	68.4	0.22	5.40	8.30
SIL08			32	12.03	68.9	0.34	5.20	9.20
SIL08			40	8.90	72.1	0.56	5.00	10.30
SIL08			50	7.47	76.8	0.78	4.70	11.50
SIL08			63	4.11	79.8	1.23	4.30	13.00
SIL08			80	0.26	82.6	1.79	3.70	14.80
SIL08			100	-3.43	86.0	2.79	3.00	16.80
SIL08			125	-7.83	89.3	4.25	1.80	18.80
SIL08			160	-17.86	88.2	6.37	0.00	21.10
SIL08			200	-23.05	90.0	9.17	0.00	22.80
Sum								
Sum			20	46.42				
Sum			25	43.84				
Sum			32	42.69				
Sum			40	40.39				
Sum			50	39.36				
Sum			63	35.32				
Sum			80	32.02				
Sum			100	29.72				
Sum			125	22.87				
Sum			160	16.87				
Sum			200	13.06				

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Noise sensitive area: AJ Noise sensitive point: Finnish normal frequency - User defined (19)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	2 015	2 023						
KAR01			20	35.28	63.9	0.00	5.60	7.60
KAR01			25	32.44	67.8	0.04	5.40	8.30
KAR01			32	31.52	73.3	0.06	5.20	9.20
KAR01			40	28.98	76.9	0.10	5.00	10.30
KAR01			50	28.14	82.0	0.14	4.70	11.50
KAR01			63	23.46	83.3	0.22	4.30	13.00
KAR01			80	20.06	86.1	0.32	3.70	14.80
KAR01			100	18.48	90.8	0.51	3.00	16.80
KAR01			125	10.51	89.3	0.77	1.80	18.80
KAR01			160	4.63	90.6	1.15	0.00	21.10
KAR01			200	1.22	91.9	1.66	0.00	22.80
KAR02	2 628	2 634						
KAR02			20	32.99	63.9	0.00	5.60	7.60
KAR02			25	30.14	67.8	0.05	5.40	8.30
KAR02			32	29.21	73.3	0.08	5.20	9.20
KAR02			40	26.66	76.9	0.13	5.00	10.30
KAR02			50	25.80	82.0	0.18	4.70	11.50
KAR02			63	21.10	83.3	0.29	4.30	13.00
KAR02			80	17.67	86.1	0.42	3.70	14.80
KAR02			100	16.03	90.8	0.66	3.00	16.80
KAR02			125	7.99	89.3	1.00	1.80	18.80
KAR02			160	1.99	90.6	1.50	0.00	21.10
KAR02			200	-1.57	91.9	2.16	0.00	22.80
KAR03	2 572	2 578						
KAR03			20	33.17	63.9	0.00	5.60	7.60
KAR03			25	30.32	67.8	0.05	5.40	8.30
KAR03			32	29.40	73.3	0.08	5.20	9.20
KAR03			40	26.84	76.9	0.13	5.00	10.30
KAR03			50	25.99	82.0	0.18	4.70	11.50
KAR03			63	21.29	83.3	0.28	4.30	13.00
KAR03			80	17.86	86.1	0.41	3.70	14.80
KAR03			100	16.23	90.8	0.64	3.00	16.80
KAR03			125	8.19	89.3	0.98	1.80	18.80
KAR03			160	2.20	90.6	1.47	0.00	21.10
KAR03			200	-1.34	91.9	2.11	0.00	22.80
KAR04	2 833	2 839						
KAR04			20	32.34	63.9	0.00	5.60	7.60
KAR04			25	29.48	67.8	0.06	5.40	8.30
KAR04			32	28.55	73.3	0.09	5.20	9.20
KAR04			40	25.99	76.9	0.14	5.00	10.30
KAR04			50	25.14	82.0	0.20	4.70	11.50
KAR04			63	20.42	83.3	0.31	4.30	13.00
KAR04			80	16.98	86.1	0.45	3.70	14.80
KAR04			100	15.33	90.8	0.71	3.00	16.80
KAR04			125	7.26	89.3	1.08	1.80	18.80
KAR04			160	1.22	90.6	1.62	0.00	21.10
KAR04			200	-2.39	91.9	2.33	0.00	22.80
KAR05	3 184	3 189						
KAR05			20	31.33	63.9	0.00	5.60	7.60
KAR05			25	28.46	67.8	0.06	5.40	8.30
KAR05			32	27.53	73.3	0.10	5.20	9.20
KAR05			40	24.97	76.9	0.16	5.00	10.30
KAR05			50	24.10	82.0	0.22	4.70	11.50
KAR05			63	19.38	83.3	0.35	4.30	13.00
KAR05			80	15.92	86.1	0.51	3.70	14.80
KAR05			100	14.23	90.8	0.80	3.00	16.80
KAR05			125	6.11	89.3	1.21	1.80	18.80
KAR05			160	0.01	90.6	1.82	0.00	21.10
KAR05			200	-3.69	91.9	2.62	0.00	22.80
KAR06	3 271	3 276						
KAR06			20	31.09	63.9	0.00	5.60	7.60
KAR06			25	28.23	67.8	0.07	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			32	27.29	73.3	0.10	5.20	9.20
KAR06			40	24.73	76.9	0.16	5.00	10.30
KAR06			50	23.86	82.0	0.23	4.70	11.50
KAR06			63	19.13	83.3	0.36	4.30	13.00
KAR06			80	15.67	86.1	0.52	3.70	14.80
KAR06			100	13.97	90.8	0.82	3.00	16.80
KAR06			125	5.85	89.3	1.24	1.80	18.80
KAR06			160	-0.27	90.6	1.87	0.00	21.10
KAR06			200	-3.99	91.9	2.69	0.00	22.80
KAR07	3 585	3 590						
KAR07			20	30.30	63.9	0.00	5.60	7.60
KAR07			25	27.43	67.8	0.07	5.40	8.30
KAR07			32	26.49	73.3	0.11	5.20	9.20
KAR07			40	23.92	76.9	0.18	5.00	10.30
KAR07			50	23.05	82.0	0.25	4.70	11.50
KAR07			63	18.30	83.3	0.39	4.30	13.00
KAR07			80	14.82	86.1	0.57	3.70	14.80
KAR07			100	13.10	90.8	0.90	3.00	16.80
KAR07			125	4.94	89.3	1.36	1.80	18.80
KAR07			160	-1.25	90.6	2.05	0.00	21.10
KAR07			200	-5.04	91.9	2.94	0.00	22.80
KAR08	4 082	4 085						
KAR08			20	29.18	63.9	0.00	5.60	7.60
KAR08			25	26.29	67.8	0.08	5.40	8.30
KAR08			32	25.35	73.3	0.12	5.20	9.20
KAR08			40	22.77	76.9	0.20	5.00	10.30
KAR08			50	21.89	82.0	0.29	4.70	11.50
KAR08			63	17.13	83.3	0.45	4.30	13.00
KAR08			80	13.62	86.1	0.65	3.70	14.80
KAR08			100	11.85	90.8	1.02	3.00	16.80
KAR08			125	3.62	89.3	1.55	1.80	18.80
KAR08			160	-2.65	90.6	2.33	0.00	21.10
KAR08			200	-6.57	91.9	3.35	0.00	22.80
KAR09	3 770	3 775						
KAR09			20	29.86	63.9	0.00	5.60	7.60
KAR09			25	26.99	67.8	0.08	5.40	8.30
KAR09			32	26.05	73.3	0.11	5.20	9.20
KAR09			40	23.47	76.9	0.19	5.00	10.30
KAR09			50	22.60	82.0	0.26	4.70	11.50
KAR09			63	17.85	83.3	0.42	4.30	13.00
KAR09			80	14.36	86.1	0.60	3.70	14.80
KAR09			100	12.62	90.8	0.94	3.00	16.80
KAR09			125	4.43	89.3	1.43	1.80	18.80
KAR09			160	-1.79	90.6	2.15	0.00	21.10
KAR09			200	-5.63	91.9	3.10	0.00	22.80
KAR10	3 682	3 687						
KAR10			20	30.07	63.9	0.00	5.60	7.60
KAR10			25	27.19	67.8	0.07	5.40	8.30
KAR10			32	26.26	73.3	0.11	5.20	9.20
KAR10			40	23.68	76.9	0.18	5.00	10.30
KAR10			50	22.81	82.0	0.26	4.70	11.50
KAR10			63	18.06	83.3	0.41	4.30	13.00
KAR10			80	14.58	86.1	0.59	3.70	14.80
KAR10			100	12.85	90.8	0.92	3.00	16.80
KAR10			125	4.67	89.3	1.40	1.80	18.80
KAR10			160	-1.53	90.6	2.10	0.00	21.10
KAR10			200	-5.36	91.9	3.02	0.00	22.80
KAR11	3 992	3 996						
KAR11			20	29.37	63.9	0.00	5.60	7.60
KAR11			25	26.49	67.8	0.08	5.40	8.30
KAR11			32	25.55	73.3	0.12	5.20	9.20
KAR11			40	22.97	76.9	0.20	5.00	10.30
KAR11			50	22.09	82.0	0.28	4.70	11.50
KAR11			63	17.33	83.3	0.44	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			80	13.83	86.1	0.64	3.70	14.80
KAR11			100	12.07	90.8	1.00	3.00	16.80
KAR11			125	3.85	89.3	1.52	1.80	18.80
KAR11			160	-2.41	90.6	2.28	0.00	21.10
KAR11			200	-6.31	91.9	3.28	0.00	22.80
KAR12	4 350	4 354						
KAR12			20	28.62	63.9	0.00	5.60	7.60
KAR12			25	25.74	67.8	0.09	5.40	8.30
KAR12			32	24.79	73.3	0.13	5.20	9.20
KAR12			40	22.20	76.9	0.22	5.00	10.30
KAR12			50	21.32	82.0	0.30	4.70	11.50
KAR12			63	16.54	83.3	0.48	4.30	13.00
KAR12			80	13.03	86.1	0.70	3.70	14.80
KAR12			100	11.23	90.8	1.09	3.00	16.80
KAR12			125	2.97	89.3	1.65	1.80	18.80
KAR12			160	-3.36	90.6	2.48	0.00	21.10
KAR12			200	-7.35	91.9	3.57	0.00	22.80
KAR13	4 529	4 533						
KAR13			20	28.27	63.9	0.00	5.60	7.60
KAR13			25	25.38	67.8	0.09	5.40	8.30
KAR13			32	24.44	73.3	0.14	5.20	9.20
KAR13			40	21.85	76.9	0.23	5.00	10.30
KAR13			50	20.95	82.0	0.32	4.70	11.50
KAR13			63	16.17	83.3	0.50	4.30	13.00
KAR13			80	12.65	86.1	0.73	3.70	14.80
KAR13			100	10.84	90.8	1.13	3.00	16.80
KAR13			125	2.55	89.3	1.72	1.80	18.80
KAR13			160	-3.81	90.6	2.58	0.00	21.10
KAR13			200	-7.84	91.9	3.72	0.00	22.80
KAR14	4 561	4 565						
KAR14			20	28.21	63.9	0.00	5.60	7.60
KAR14			25	25.32	67.8	0.09	5.40	8.30
KAR14			32	24.37	73.3	0.14	5.20	9.20
KAR14			40	21.78	76.9	0.23	5.00	10.30
KAR14			50	20.89	82.0	0.32	4.70	11.50
KAR14			63	16.11	83.3	0.50	4.30	13.00
KAR14			80	12.58	86.1	0.73	3.70	14.80
KAR14			100	10.77	90.8	1.14	3.00	16.80
KAR14			125	2.48	89.3	1.73	1.80	18.80
KAR14			160	-3.89	90.6	2.60	0.00	21.10
KAR14			200	-7.93	91.9	3.74	0.00	22.80
KAR15	4 811	4 814						
KAR15			20	27.75	63.9	0.00	5.60	7.60
KAR15			25	24.85	67.8	0.10	5.40	8.30
KAR15			32	23.90	73.3	0.14	5.20	9.20
KAR15			40	21.31	76.9	0.24	5.00	10.30
KAR15			50	20.41	82.0	0.34	4.70	11.50
KAR15			63	15.62	83.3	0.53	4.30	13.00
KAR15			80	12.08	86.1	0.77	3.70	14.80
KAR15			100	10.25	90.8	1.20	3.00	16.80
KAR15			125	1.92	89.3	1.83	1.80	18.80
KAR15			160	-4.49	90.6	2.74	0.00	21.10
KAR15			200	-8.60	91.9	3.95	0.00	22.80
KAR16	5 042	5 046						
KAR16			20	27.34	63.9	0.00	5.60	7.60
KAR16			25	24.44	67.8	0.10	5.40	8.30
KAR16			32	23.49	73.3	0.15	5.20	9.20
KAR16			40	20.89	76.9	0.25	5.00	10.30
KAR16			50	19.99	82.0	0.35	4.70	11.50
KAR16			63	15.19	83.3	0.56	4.30	13.00
KAR16			80	11.63	86.1	0.81	3.70	14.80
KAR16			100	9.78	90.8	1.26	3.00	16.80
KAR16			125	1.42	89.3	1.92	1.80	18.80
KAR16			160	-5.03	90.6	2.88	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			200	-9.20	91.9	4.14	0.00	22.80
KAR17	5 185	5 188						
KAR17			20	27.10	63.9	0.00	5.60	7.60
KAR17			25	24.20	67.8	0.10	5.40	8.30
KAR17			32	23.24	73.3	0.16	5.20	9.20
KAR17			40	20.64	76.9	0.26	5.00	10.30
KAR17			50	19.74	82.0	0.36	4.70	11.50
KAR17			63	14.93	83.3	0.57	4.30	13.00
KAR17			80	11.37	86.1	0.83	3.70	14.80
KAR17			100	9.50	90.8	1.30	3.00	16.80
KAR17			125	1.13	89.3	1.97	1.80	18.80
KAR17			160	-5.36	90.6	2.96	0.00	21.10
KAR17			200	-9.55	91.9	4.25	0.00	22.80
KAR18	5 286	5 290						
KAR18			20	26.93	63.9	0.00	5.60	7.60
KAR18			25	24.03	67.8	0.11	5.40	8.30
KAR18			32	23.07	73.3	0.16	5.20	9.20
KAR18			40	20.47	76.9	0.26	5.00	10.30
KAR18			50	19.56	82.0	0.37	4.70	11.50
KAR18			63	14.75	83.3	0.58	4.30	13.00
KAR18			80	11.18	86.1	0.85	3.70	14.80
KAR18			100	9.31	90.8	1.32	3.00	16.80
KAR18			125	0.92	89.3	2.01	1.80	18.80
KAR18			160	-5.58	90.6	3.02	0.00	21.10
KAR18			200	-9.81	91.9	4.34	0.00	22.80
KAR19	5 606	5 609						
KAR19			20	26.42	63.9	0.00	5.60	7.60
KAR19			25	23.51	67.8	0.11	5.40	8.30
KAR19			32	22.55	73.3	0.17	5.20	9.20
KAR19			40	19.94	76.9	0.28	5.00	10.30
KAR19			50	19.03	82.0	0.39	4.70	11.50
KAR19			63	14.21	83.3	0.62	4.30	13.00
KAR19			80	10.63	86.1	0.90	3.70	14.80
KAR19			100	8.72	90.8	1.40	3.00	16.80
KAR19			125	0.29	89.3	2.13	1.80	18.80
KAR19			160	-6.27	90.6	3.20	0.00	21.10
KAR19			200	-10.58	91.9	4.60	0.00	22.80
KAR20	5 687	5 690						
KAR20			20	26.30	63.9	0.00	5.60	7.60
KAR20			25	23.38	67.8	0.11	5.40	8.30
KAR20			32	22.43	73.3	0.17	5.20	9.20
KAR20			40	19.81	76.9	0.28	5.00	10.30
KAR20			50	18.90	82.0	0.40	4.70	11.50
KAR20			63	14.07	83.3	0.63	4.30	13.00
KAR20			80	10.49	86.1	0.91	3.70	14.80
KAR20			100	8.57	90.8	1.42	3.00	16.80
KAR20			125	0.13	89.3	2.16	1.80	18.80
KAR20			160	-6.45	90.6	3.24	0.00	21.10
KAR20			200	-10.77	91.9	4.67	0.00	22.80
KAR21	5 766	5 769						
KAR21			20	26.18	63.9	0.00	5.60	7.60
KAR21			25	23.26	67.8	0.12	5.40	8.30
KAR21			32	22.31	73.3	0.17	5.20	9.20
KAR21			40	19.69	76.9	0.29	5.00	10.30
KAR21			50	18.77	82.0	0.40	4.70	11.50
KAR21			63	13.94	83.3	0.63	4.30	13.00
KAR21			80	10.36	86.1	0.92	3.70	14.80
KAR21			100	8.44	90.8	1.44	3.00	16.80
KAR21			125	-0.01	89.3	2.19	1.80	18.80
KAR21			160	-6.61	90.6	3.29	0.00	21.10
KAR21			200	-10.95	91.9	4.73	0.00	22.80
KAR22	6 035	6 038						
KAR22			20	25.78	63.9	0.00	5.60	7.60
KAR22			25	22.86	67.8	0.12	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			32	21.90	73.3	0.18	5.20	9.20
KAR22			40	19.28	76.9	0.30	5.00	10.30
KAR22			50	18.36	82.0	0.42	4.70	11.50
KAR22			63	13.52	83.3	0.66	4.30	13.00
KAR22			80	9.92	86.1	0.97	3.70	14.80
KAR22			100	7.97	90.8	1.51	3.00	16.80
KAR22			125	-0.51	89.3	2.29	1.80	18.80
KAR22			160	-7.16	90.6	3.44	0.00	21.10
KAR22			200	-11.57	91.9	4.95	0.00	22.80
KAR23	6 485	6 488						
KAR23			20	25.16	63.9	0.00	5.60	7.60
KAR23			25	22.23	67.8	0.13	5.40	8.30
KAR23			32	21.26	73.3	0.19	5.20	9.20
KAR23			40	18.63	76.9	0.32	5.00	10.30
KAR23			50	17.70	82.0	0.45	4.70	11.50
KAR23			63	12.84	83.3	0.71	4.30	13.00
KAR23			80	9.22	86.1	1.04	3.70	14.80
KAR23			100	7.24	90.8	1.62	3.00	16.80
KAR23			125	-1.31	89.3	2.47	1.80	18.80
KAR23			160	-8.04	90.6	3.70	0.00	21.10
KAR23			200	-12.56	91.9	5.32	0.00	22.80
KAR24	2 024	2 031						
KAR24			20	35.24	63.9	0.00	5.60	7.60
KAR24			25	32.40	67.8	0.04	5.40	8.30
KAR24			32	31.48	73.3	0.06	5.20	9.20
KAR24			40	28.94	76.9	0.10	5.00	10.30
KAR24			50	28.10	82.0	0.14	4.70	11.50
KAR24			63	23.42	83.3	0.22	4.30	13.00
KAR24			80	20.02	86.1	0.33	3.70	14.80
KAR24			100	18.44	90.8	0.51	3.00	16.80
KAR24			125	10.47	89.3	0.77	1.80	18.80
KAR24			160	4.59	90.6	1.16	0.00	21.10
KAR24			200	1.18	91.9	1.67	0.00	22.80
KAR25	2 036	2 044						
KAR25			20	35.19	63.9	0.00	5.60	7.60
KAR25			25	32.35	67.8	0.04	5.40	8.30
KAR25			32	31.43	73.3	0.06	5.20	9.20
KAR25			40	28.89	76.9	0.10	5.00	10.30
KAR25			50	28.05	82.0	0.14	4.70	11.50
KAR25			63	23.37	83.3	0.22	4.30	13.00
KAR25			80	19.96	86.1	0.33	3.70	14.80
KAR25			100	18.38	90.8	0.51	3.00	16.80
KAR25			125	10.41	89.3	0.78	1.80	18.80
KAR25			160	4.53	90.6	1.16	0.00	21.10
KAR25			200	1.12	91.9	1.68	0.00	22.80
MAA01	3 919	3 921						
MAA01			20	29.53	63.9	0.00	5.60	7.60
MAA01			25	26.65	67.8	0.08	5.40	8.30
MAA01			32	25.71	73.3	0.12	5.20	9.20
MAA01			40	23.14	76.9	0.20	5.00	10.30
MAA01			50	22.26	82.0	0.27	4.70	11.50
MAA01			63	17.50	83.3	0.43	4.30	13.00
MAA01			80	14.00	86.1	0.63	3.70	14.80
MAA01			100	12.25	90.8	0.98	3.00	16.80
MAA01			125	4.04	89.3	1.49	1.80	18.80
MAA01			160	-2.20	90.6	2.24	0.00	21.10
MAA01			200	-6.08	91.9	3.22	0.00	22.80
MAA03	4 480	4 482						
MAA03			20	28.37	63.9	0.00	5.60	7.60
MAA03			25	25.48	67.8	0.09	5.40	8.30
MAA03			32	24.54	73.3	0.13	5.20	9.20
MAA03			40	21.95	76.9	0.22	5.00	10.30
MAA03			50	21.06	82.0	0.31	4.70	11.50
MAA03			63	16.28	83.3	0.49	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			80	12.75	86.1	0.72	3.70	14.80
MAA03			100	10.95	90.8	1.12	3.00	16.80
MAA03			125	2.67	89.3	1.70	1.80	18.80
MAA03			160	-3.68	90.6	2.55	0.00	21.10
MAA03			200	-7.70	91.9	3.68	0.00	22.80
MAA04	4 321	4 323						
MAA04			20	28.68	63.9	0.00	5.60	7.60
MAA04			25	25.80	67.8	0.09	5.40	8.30
MAA04			32	24.85	73.3	0.13	5.20	9.20
MAA04			40	22.27	76.9	0.22	5.00	10.30
MAA04			50	21.38	82.0	0.30	4.70	11.50
MAA04			63	16.61	83.3	0.48	4.30	13.00
MAA04			80	13.09	86.1	0.69	3.70	14.80
MAA04			100	11.30	90.8	1.08	3.00	16.80
MAA04			125	3.04	89.3	1.64	1.80	18.80
MAA04			160	-3.28	90.6	2.46	0.00	21.10
MAA04			200	-7.26	91.9	3.54	0.00	22.80
MAA05	4 994	4 996						
MAA05			20	27.43	63.9	0.00	5.60	7.60
MAA05			25	24.53	67.8	0.10	5.40	8.30
MAA05			32	23.58	73.3	0.15	5.20	9.20
MAA05			40	20.98	76.9	0.25	5.00	10.30
MAA05			50	20.08	82.0	0.35	4.70	11.50
MAA05			63	15.28	83.3	0.55	4.30	13.00
MAA05			80	11.73	86.1	0.80	3.70	14.80
MAA05			100	9.88	90.8	1.25	3.00	16.80
MAA05			125	1.53	89.3	1.90	1.80	18.80
MAA05			160	-4.92	90.6	2.85	0.00	21.10
MAA05			200	-9.07	91.9	4.10	0.00	22.80
MAA06	5 751	5 752						
MAA06			20	26.20	63.9	0.00	5.60	7.60
MAA06			25	23.29	67.8	0.12	5.40	8.30
MAA06			32	22.33	73.3	0.17	5.20	9.20
MAA06			40	19.72	76.9	0.29	5.00	10.30
MAA06			50	18.80	82.0	0.40	4.70	11.50
MAA06			63	13.97	83.3	0.63	4.30	13.00
MAA06			80	10.38	86.1	0.92	3.70	14.80
MAA06			100	8.47	90.8	1.44	3.00	16.80
MAA06			125	0.02	89.3	2.19	1.80	18.80
MAA06			160	-6.57	90.6	3.28	0.00	21.10
MAA06			200	-10.91	91.9	4.72	0.00	22.80
MAA07	5 967	5 968						
MAA07			20	25.88	63.9	0.00	5.60	7.60
MAA07			25	22.96	67.8	0.12	5.40	8.30
MAA07			32	22.00	73.3	0.18	5.20	9.20
MAA07			40	19.38	76.9	0.30	5.00	10.30
MAA07			50	18.46	82.0	0.42	4.70	11.50
MAA07			63	13.63	83.3	0.66	4.30	13.00
MAA07			80	10.03	86.1	0.95	3.70	14.80
MAA07			100	8.09	90.8	1.49	3.00	16.80
MAA07			125	-0.39	89.3	2.27	1.80	18.80
MAA07			160	-7.02	90.6	3.40	0.00	21.10
MAA07			200	-11.41	91.9	4.89	0.00	22.80
MAA08	6 111	6 112						
MAA08			20	25.68	63.9	0.00	5.60	7.60
MAA08			25	22.75	67.8	0.12	5.40	8.30
MAA08			32	21.79	73.3	0.18	5.20	9.20
MAA08			40	19.17	76.9	0.31	5.00	10.30
MAA08			50	18.25	82.0	0.43	4.70	11.50
MAA08			63	13.40	83.3	0.67	4.30	13.00
MAA08			80	9.80	86.1	0.98	3.70	14.80
MAA08			100	7.85	90.8	1.53	3.00	16.80
MAA08			125	-0.65	89.3	2.32	1.80	18.80
MAA08			160	-7.31	90.6	3.48	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			200	-11.74	91.9	5.01	0.00	22.80
RAH01	5 029	5 031						
RAH01			20	25.52	62.0	0.00	5.60	7.60
RAH01			25	23.92	67.2	0.10	5.40	8.30
RAH01			32	22.26	72.0	0.15	5.20	9.20
RAH01			40	20.84	76.8	0.25	5.00	10.30
RAH01			50	19.24	81.2	0.35	4.70	11.50
RAH01			63	16.94	85.0	0.55	4.30	13.00
RAH01			80	13.89	88.3	0.80	3.70	14.80
RAH01			100	10.11	91.1	1.26	3.00	16.80
RAH01			125	5.46	93.3	1.91	1.80	18.80
RAH01			160	-0.62	95.0	2.87	0.00	21.10
RAH01			200	-4.96	96.1	4.13	0.00	22.80
RAH02	5 414	5 415						
RAH02			20	24.88	62.0	0.00	5.60	7.60
RAH02			25	23.27	67.2	0.11	5.40	8.30
RAH02			32	21.61	72.0	0.16	5.20	9.20
RAH02			40	20.18	76.8	0.27	5.00	10.30
RAH02			50	18.57	81.2	0.38	4.70	11.50
RAH02			63	16.26	85.0	0.60	4.30	13.00
RAH02			80	13.18	88.3	0.87	3.70	14.80
RAH02			100	9.37	91.1	1.35	3.00	16.80
RAH02			125	4.67	93.3	2.06	1.80	18.80
RAH02			160	-1.48	95.0	3.09	0.00	21.10
RAH02			200	-5.91	96.1	4.44	0.00	22.80
RAH03	4 615	4 618						
RAH03			20	26.26	62.0	0.00	5.60	7.60
RAH03			25	24.67	67.2	0.09	5.40	8.30
RAH03			32	23.02	72.0	0.14	5.20	9.20
RAH03			40	21.60	76.8	0.23	5.00	10.30
RAH03			50	20.01	81.2	0.32	4.70	11.50
RAH03			63	17.73	85.0	0.51	4.30	13.00
RAH03			80	14.70	88.3	0.74	3.70	14.80
RAH03			100	10.96	91.1	1.15	3.00	16.80
RAH03			125	6.36	93.3	1.75	1.80	18.80
RAH03			160	0.35	95.0	2.63	0.00	21.10
RAH03			200	-3.88	96.1	3.79	0.00	22.80
RAH04	5 681	5 682						
RAH04			20	24.46	62.0	0.00	5.60	7.60
RAH04			25	22.84	67.2	0.11	5.40	8.30
RAH04			32	21.19	72.0	0.17	5.20	9.20
RAH04			40	19.75	76.8	0.28	5.00	10.30
RAH04			50	18.14	81.2	0.40	4.70	11.50
RAH04			63	15.81	85.0	0.63	4.30	13.00
RAH04			80	12.72	88.3	0.91	3.70	14.80
RAH04			100	8.89	91.1	1.42	3.00	16.80
RAH04			125	4.15	93.3	2.16	1.80	18.80
RAH04			160	-2.05	95.0	3.24	0.00	21.10
RAH04			200	-6.55	96.1	4.66	0.00	22.80
RAH05	4 916	4 918						
RAH05			20	25.71	62.0	0.00	5.60	7.60
RAH05			25	24.11	67.2	0.10	5.40	8.30
RAH05			32	22.46	72.0	0.15	5.20	9.20
RAH05			40	21.04	76.8	0.25	5.00	10.30
RAH05			50	19.44	81.2	0.34	4.70	11.50
RAH05			63	17.15	85.0	0.54	4.30	13.00
RAH05			80	14.10	88.3	0.79	3.70	14.80
RAH05			100	10.33	91.1	1.23	3.00	16.80
RAH05			125	5.70	93.3	1.87	1.80	18.80
RAH05			160	-0.36	95.0	2.80	0.00	21.10
RAH05			200	-4.67	96.1	4.03	0.00	22.80
RAH06	5 405	5 407						
RAH06			20	24.89	62.0	0.00	5.60	7.60
RAH06			25	23.28	67.2	0.11	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			32	21.63	72.0	0.16	5.20	9.20
RAH06			40	20.20	76.8	0.27	5.00	10.30
RAH06			50	18.59	81.2	0.38	4.70	11.50
RAH06			63	16.27	85.0	0.59	4.30	13.00
RAH06			80	13.20	88.3	0.87	3.70	14.80
RAH06			100	9.39	91.1	1.35	3.00	16.80
RAH06			125	4.69	93.3	2.05	1.80	18.80
RAH06			160	-1.46	95.0	3.08	0.00	21.10
RAH06			200	-5.89	96.1	4.43	0.00	22.80
RAH07	7 079	7 080						
RAH07			20	22.55	62.0	0.00	5.60	7.60
RAH07			25	20.91	67.2	0.14	5.40	8.30
RAH07			32	19.23	72.0	0.21	5.20	9.20
RAH07			40	17.77	76.8	0.35	5.00	10.30
RAH07			50	16.13	81.2	0.50	4.70	11.50
RAH07			63	13.74	85.0	0.78	4.30	13.00
RAH07			80	10.59	88.3	1.13	3.70	14.80
RAH07			100	6.63	91.1	1.77	3.00	16.80
RAH07			125	1.71	93.3	2.69	1.80	18.80
RAH07			160	-4.76	95.0	4.04	0.00	21.10
RAH07			200	-9.61	96.1	5.81	0.00	22.80
RAH08	7 055	7 056						
RAH08			20	22.58	62.0	0.00	5.60	7.60
RAH08			25	20.94	67.2	0.14	5.40	8.30
RAH08			32	19.27	72.0	0.21	5.20	9.20
RAH08			40	17.80	76.8	0.35	5.00	10.30
RAH08			50	16.16	81.2	0.49	4.70	11.50
RAH08			63	13.78	85.0	0.78	4.30	13.00
RAH08			80	10.62	88.3	1.13	3.70	14.80
RAH08			100	6.66	91.1	1.76	3.00	16.80
RAH08			125	1.75	93.3	2.68	1.80	18.80
RAH08			160	-4.72	95.0	4.02	0.00	21.10
RAH08			200	-9.56	96.1	5.79	0.00	22.80
RAH09	6 316	6 318						
RAH09			20	23.54	62.0	0.00	5.60	7.60
RAH09			25	21.91	67.2	0.13	5.40	8.30
RAH09			32	20.25	72.0	0.19	5.20	9.20
RAH09			40	18.80	76.8	0.32	5.00	10.30
RAH09			50	17.17	81.2	0.44	4.70	11.50
RAH09			63	14.82	85.0	0.69	4.30	13.00
RAH09			80	11.70	88.3	1.01	3.70	14.80
RAH09			100	7.81	91.1	1.58	3.00	16.80
RAH09			125	2.99	93.3	2.40	1.80	18.80
RAH09			160	-3.34	95.0	3.60	0.00	21.10
RAH09			200	-7.99	96.1	5.18	0.00	22.80
RAH10	6 527	6 528						
RAH10			20	23.25	62.0	0.00	5.60	7.60
RAH10			25	21.62	67.2	0.13	5.40	8.30
RAH10			32	19.96	72.0	0.20	5.20	9.20
RAH10			40	18.50	76.8	0.33	5.00	10.30
RAH10			50	16.87	81.2	0.46	4.70	11.50
RAH10			63	14.51	85.0	0.72	4.30	13.00
RAH10			80	11.38	88.3	1.04	3.70	14.80
RAH10			100	7.47	91.1	1.63	3.00	16.80
RAH10			125	2.62	93.3	2.48	1.80	18.80
RAH10			160	-3.74	95.0	3.72	0.00	21.10
RAH10			200	-8.45	96.1	5.35	0.00	22.80
RAH11	4 268	4 270						
RAH11			20	26.94	62.0	0.00	5.60	7.60
RAH11			25	25.35	67.2	0.09	5.40	8.30
RAH11			32	23.71	72.0	0.13	5.20	9.20
RAH11			40	22.30	76.8	0.21	5.00	10.30
RAH11			50	20.72	81.2	0.30	4.70	11.50
RAH11			63	18.45	85.0	0.47	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			80	15.43	88.3	0.68	3.70	14.80
RAH11			100	11.72	91.1	1.07	3.00	16.80
RAH11			125	7.17	93.3	1.62	1.80	18.80
RAH11			160	1.23	95.0	2.43	0.00	21.10
RAH11			200	-2.91	96.1	3.50	0.00	22.80
RAH12	4 805	4 807						
RAH12			20	25.91	62.0	0.00	5.60	7.60
RAH12			25	24.31	67.2	0.10	5.40	8.30
RAH12			32	22.67	72.0	0.14	5.20	9.20
RAH12			40	21.25	76.8	0.24	5.00	10.30
RAH12			50	19.65	81.2	0.34	4.70	11.50
RAH12			63	17.36	85.0	0.53	4.30	13.00
RAH12			80	14.32	88.3	0.77	3.70	14.80
RAH12			100	10.56	91.1	1.20	3.00	16.80
RAH12			125	5.94	93.3	1.83	1.80	18.80
RAH12			160	-0.10	95.0	2.74	0.00	21.10
RAH12			200	-4.38	96.1	3.94	0.00	22.80
RAH13	4 228	4 230						
RAH13			20	27.02	62.0	0.00	5.60	7.60
RAH13			25	25.44	67.2	0.08	5.40	8.30
RAH13			32	23.79	72.0	0.13	5.20	9.20
RAH13			40	22.39	76.8	0.21	5.00	10.30
RAH13			50	20.80	81.2	0.30	4.70	11.50
RAH13			63	18.53	85.0	0.47	4.30	13.00
RAH13			80	15.52	88.3	0.68	3.70	14.80
RAH13			100	11.81	91.1	1.06	3.00	16.80
RAH13			125	7.27	93.3	1.61	1.80	18.80
RAH13			160	1.34	95.0	2.41	0.00	21.10
RAH13			200	-2.80	96.1	3.47	0.00	22.80
RAH14	3 672	3 675						
RAH14			20	28.24	62.0	0.00	5.60	7.60
RAH14			25	26.67	67.2	0.07	5.40	8.30
RAH14			32	25.03	72.0	0.11	5.20	9.20
RAH14			40	23.64	76.8	0.18	5.00	10.30
RAH14			50	22.06	81.2	0.26	4.70	11.50
RAH14			63	19.82	85.0	0.40	4.30	13.00
RAH14			80	16.83	88.3	0.59	3.70	14.80
RAH14			100	13.18	91.1	0.92	3.00	16.80
RAH14			125	8.70	93.3	1.40	1.80	18.80
RAH14			160	2.88	95.0	2.09	0.00	21.10
RAH14			200	-1.12	96.1	3.01	0.00	22.80
RAH15	3 735	3 738						
RAH15			20	28.10	62.0	0.00	5.60	7.60
RAH15			25	26.52	67.2	0.07	5.40	8.30
RAH15			32	24.88	72.0	0.11	5.20	9.20
RAH15			40	23.48	76.8	0.19	5.00	10.30
RAH15			50	21.91	81.2	0.26	4.70	11.50
RAH15			63	19.66	85.0	0.41	4.30	13.00
RAH15			80	16.67	88.3	0.60	3.70	14.80
RAH15			100	13.01	91.1	0.93	3.00	16.80
RAH15			125	8.53	93.3	1.42	1.80	18.80
RAH15			160	2.69	95.0	2.13	0.00	21.10
RAH15			200	-1.32	96.1	3.07	0.00	22.80
RAH16	4 640	4 642						
RAH16			20	26.21	62.0	0.00	5.60	7.60
RAH16			25	24.62	67.2	0.09	5.40	8.30
RAH16			32	22.97	72.0	0.14	5.20	9.20
RAH16			40	21.56	76.8	0.23	5.00	10.30
RAH16			50	19.96	81.2	0.32	4.70	11.50
RAH16			63	17.68	85.0	0.51	4.30	13.00
RAH16			80	14.65	88.3	0.74	3.70	14.80
RAH16			100	10.90	91.1	1.16	3.00	16.80
RAH16			125	6.30	93.3	1.76	1.80	18.80
RAH16			160	0.30	95.0	2.65	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			200	-3.94	96.1	3.81	0.00	22.80
RAH17	2 332	2 338						
RAH17			20	32.17	62.0	0.00	5.60	7.60
RAH17			25	30.63	67.2	0.05	5.40	8.30
RAH17			32	29.00	72.0	0.07	5.20	9.20
RAH17			40	27.63	76.8	0.12	5.00	10.30
RAH17			50	26.08	81.2	0.16	4.70	11.50
RAH17			63	23.89	85.0	0.26	4.30	13.00
RAH17			80	20.97	88.3	0.37	3.70	14.80
RAH17			100	17.44	91.1	0.58	3.00	16.80
RAH17			125	13.13	93.3	0.89	1.80	18.80
RAH17			160	7.57	95.0	1.33	0.00	21.10
RAH17			200	3.91	96.1	1.92	0.00	22.80
RAH18	2 994	2 999						
RAH18			20	30.01	62.0	0.00	5.60	7.60
RAH18			25	28.45	67.2	0.06	5.40	8.30
RAH18			32	26.82	72.0	0.09	5.20	9.20
RAH18			40	25.43	76.8	0.15	5.00	10.30
RAH18			50	23.87	81.2	0.21	4.70	11.50
RAH18			63	21.65	85.0	0.33	4.30	13.00
RAH18			80	18.70	88.3	0.48	3.70	14.80
RAH18			100	15.11	91.1	0.75	3.00	16.80
RAH18			125	10.72	93.3	1.14	1.80	18.80
RAH18			160	5.03	95.0	1.71	0.00	21.10
RAH18			200	1.20	96.1	2.46	0.00	22.80
RAH19	2 338	2 344						
RAH19			20	32.15	62.0	0.00	5.60	7.60
RAH19			25	30.60	67.2	0.05	5.40	8.30
RAH19			32	28.98	72.0	0.07	5.20	9.20
RAH19			40	27.61	76.8	0.12	5.00	10.30
RAH19			50	26.06	81.2	0.16	4.70	11.50
RAH19			63	23.87	85.0	0.26	4.30	13.00
RAH19			80	20.95	88.3	0.38	3.70	14.80
RAH19			100	17.42	91.1	0.59	3.00	16.80
RAH19			125	13.11	93.3	0.89	1.80	18.80
RAH19			160	7.54	95.0	1.34	0.00	21.10
RAH19			200	3.88	96.1	1.92	0.00	22.80
SIL01	7 922	7 924						
SIL01			20	22.84	63.3	0.00	5.60	7.60
SIL01			25	21.08	68.4	0.16	5.40	8.30
SIL01			32	15.11	68.9	0.24	5.20	9.20
SIL01			40	12.05	72.1	0.40	5.00	10.30
SIL01			50	10.69	76.8	0.55	4.70	11.50
SIL01			63	7.46	79.8	0.87	4.30	13.00
SIL01			80	3.76	82.6	1.27	3.70	14.80
SIL01			100	0.37	86.0	1.98	3.00	16.80
SIL01			125	-3.60	89.3	3.01	1.80	18.80
SIL01			160	-13.01	88.2	4.52	0.00	21.10
SIL01			200	-17.39	90.0	6.50	0.00	22.80
SIL02	7 288	7 289						
SIL02			20	23.57	63.3	0.00	5.60	7.60
SIL02			25	21.82	68.4	0.15	5.40	8.30
SIL02			32	15.86	68.9	0.22	5.20	9.20
SIL02			40	12.81	72.1	0.36	5.00	10.30
SIL02			50	11.46	76.8	0.51	4.70	11.50
SIL02			63	8.25	79.8	0.80	4.30	13.00
SIL02			80	4.59	82.6	1.17	3.70	14.80
SIL02			100	1.25	86.0	1.82	3.00	16.80
SIL02			125	-2.64	89.3	2.77	1.80	18.80
SIL02			160	-11.93	88.2	4.15	0.00	21.10
SIL02			200	-16.14	90.0	5.98	0.00	22.80
SIL03	6 563	6 565						
SIL03			20	24.48	63.3	0.00	5.60	7.60
SIL03			25	22.74	68.4	0.13	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			32	16.79	68.9	0.20	5.20	9.20
SIL03			40	13.75	72.1	0.33	5.00	10.30
SIL03			50	12.42	76.8	0.46	4.70	11.50
SIL03			63	9.24	79.8	0.72	4.30	13.00
SIL03			80	5.62	82.6	1.05	3.70	14.80
SIL03			100	2.34	86.0	1.64	3.00	16.80
SIL03			125	-1.45	89.3	2.49	1.80	18.80
SIL03			160	-10.60	88.2	3.74	0.00	21.10
SIL03			200	-14.64	90.0	5.38	0.00	22.80
SIL04	6 706	6 708						
SIL04			20	24.29	63.3	0.00	5.60	7.60
SIL04			25	22.55	68.4	0.13	5.40	8.30
SIL04			32	16.60	68.9	0.20	5.20	9.20
SIL04			40	13.56	72.1	0.34	5.00	10.30
SIL04			50	12.22	76.8	0.47	4.70	11.50
SIL04			63	9.04	79.8	0.74	4.30	13.00
SIL04			80	5.41	82.6	1.07	3.70	14.80
SIL04			100	2.12	86.0	1.68	3.00	16.80
SIL04			125	-1.69	89.3	2.55	1.80	18.80
SIL04			160	-10.87	88.2	3.82	0.00	21.10
SIL04			200	-14.94	90.0	5.50	0.00	22.80
SIL05	7 808	7 809						
SIL05			20	22.97	63.3	0.00	5.60	7.60
SIL05			25	21.21	68.4	0.16	5.40	8.30
SIL05			32	15.24	68.9	0.23	5.20	9.20
SIL05			40	12.18	72.1	0.39	5.00	10.30
SIL05			50	10.82	76.8	0.55	4.70	11.50
SIL05			63	7.59	79.8	0.86	4.30	13.00
SIL05			80	3.91	82.6	1.25	3.70	14.80
SIL05			100	0.52	86.0	1.95	3.00	16.80
SIL05			125	-3.43	89.3	2.97	1.80	18.80
SIL05			160	-12.82	88.2	4.45	0.00	21.10
SIL05			200	-17.17	90.0	6.40	0.00	22.80
SIL06	7 319	7 320						
SIL06			20	23.53	63.3	0.00	5.60	7.60
SIL06			25	21.78	68.4	0.15	5.40	8.30
SIL06			32	15.82	68.9	0.22	5.20	9.20
SIL06			40	12.77	72.1	0.37	5.00	10.30
SIL06			50	11.42	76.8	0.51	4.70	11.50
SIL06			63	8.21	79.8	0.81	4.30	13.00
SIL06			80	4.55	82.6	1.17	3.70	14.80
SIL06			100	1.21	86.0	1.83	3.00	16.80
SIL06			125	-2.68	89.3	2.78	1.80	18.80
SIL06			160	-11.98	88.2	4.17	0.00	21.10
SIL06			200	-16.21	90.0	6.00	0.00	22.80
SIL07	6 816	6 818						
SIL07			20	24.15	63.3	0.00	5.60	7.60
SIL07			25	22.41	68.4	0.14	5.40	8.30
SIL07			32	16.45	68.9	0.20	5.20	9.20
SIL07			40	13.41	72.1	0.34	5.00	10.30
SIL07			50	12.07	76.8	0.48	4.70	11.50
SIL07			63	8.88	79.8	0.75	4.30	13.00
SIL07			80	5.25	82.6	1.09	3.70	14.80
SIL07			100	1.95	86.0	1.70	3.00	16.80
SIL07			125	-1.88	89.3	2.59	1.80	18.80
SIL07			160	-11.08	88.2	3.89	0.00	21.10
SIL07			200	-15.17	90.0	5.59	0.00	22.80
SIL08	7 300	7 302						
SIL08			20	23.55	63.3	0.00	5.60	7.60
SIL08			25	21.80	68.4	0.15	5.40	8.30
SIL08			32	15.84	68.9	0.22	5.20	9.20
SIL08			40	12.79	72.1	0.37	5.00	10.30
SIL08			50	11.44	76.8	0.51	4.70	11.50
SIL08			63	8.23	79.8	0.80	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			80	4.57	82.6	1.17	3.70	14.80
SIL08			100	1.24	86.0	1.83	3.00	16.80
SIL08			125	-2.65	89.3	2.77	1.80	18.80
SIL08			160	-11.95	88.2	4.16	0.00	21.10
SIL08			200	-16.17	90.0	5.99	0.00	22.80
Sum								
Sum			20	46.59				
Sum			25	44.09				
Sum			32	42.82				
Sum			40	40.57				
Sum			50	39.49				
Sum			63	35.62				
Sum			80	32.35				
Sum			100	29.89				
Sum			125	23.36				
Sum			160	17.36				
Sum			200	13.52				

Noise sensitive area: AK Noise sensitive point: Finnish normal frequency - User defined (9)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	6 596	6 599						
KAR01			20	25.01	63.9	0.00	5.60	7.60
KAR01			25	22.08	67.8	0.13	5.40	8.30
KAR01			32	21.11	73.3	0.20	5.20	9.20
KAR01			40	18.48	76.9	0.33	5.00	10.30
KAR01			50	17.55	82.0	0.46	4.70	11.50
KAR01			63	12.68	83.3	0.73	4.30	13.00
KAR01			80	9.05	86.1	1.06	3.70	14.80
KAR01			100	7.06	90.8	1.65	3.00	16.80
KAR01			125	-1.50	89.3	2.51	1.80	18.80
KAR01			160	-8.25	90.6	3.76	0.00	21.10
KAR01			200	-12.80	91.9	5.41	0.00	22.80
KAR02	5 743	5 746						
KAR02			20	26.21	63.9	0.00	5.60	7.60
KAR02			25	23.30	67.8	0.11	5.40	8.30
KAR02			32	22.34	73.3	0.17	5.20	9.20
KAR02			40	19.73	76.9	0.29	5.00	10.30
KAR02			50	18.81	82.0	0.40	4.70	11.50
KAR02			63	13.98	83.3	0.63	4.30	13.00
KAR02			80	10.39	86.1	0.92	3.70	14.80
KAR02			100	8.48	90.8	1.44	3.00	16.80
KAR02			125	0.03	89.3	2.18	1.80	18.80
KAR02			160	-6.56	90.6	3.28	0.00	21.10
KAR02			200	-10.90	91.9	4.71	0.00	22.80
KAR03	6 392	6 395						
KAR03			20	25.28	63.9	0.00	5.60	7.60
KAR03			25	22.36	67.8	0.13	5.40	8.30
KAR03			32	21.39	73.3	0.19	5.20	9.20
KAR03			40	18.76	76.9	0.32	5.00	10.30
KAR03			50	17.84	82.0	0.45	4.70	11.50
KAR03			63	12.98	83.3	0.70	4.30	13.00
KAR03			80	9.36	86.1	1.02	3.70	14.80
KAR03			100	7.39	90.8	1.60	3.00	16.80
KAR03			125	-1.15	89.3	2.43	1.80	18.80
KAR03			160	-7.86	90.6	3.64	0.00	21.10
KAR03			200	-12.36	91.9	5.24	0.00	22.80
KAR04	7 111	7 114						
KAR04			20	24.36	63.9	0.00	5.60	7.60
KAR04			25	21.42	67.8	0.14	5.40	8.30
KAR04			32	20.44	73.3	0.21	5.20	9.20
KAR04			40	17.80	76.9	0.36	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			50	16.86	82.0	0.50	4.70	11.50
KAR04			63	11.97	83.3	0.78	4.30	13.00
KAR04			80	8.32	86.1	1.14	3.70	14.80
KAR04			100	6.28	90.8	1.78	3.00	16.80
KAR04			125	-2.35	89.3	2.70	1.80	18.80
KAR04			160	-9.20	90.6	4.06	0.00	21.10
KAR04			200	-13.88	91.9	5.83	0.00	22.80
KAR05	7 821	7 824						
KAR05			20	23.53	63.9	0.00	5.60	7.60
KAR05			25	20.58	67.8	0.16	5.40	8.30
KAR05			32	19.60	73.3	0.23	5.20	9.20
KAR05			40	16.94	76.9	0.39	5.00	10.30
KAR05			50	15.98	82.0	0.55	4.70	11.50
KAR05			63	11.07	83.3	0.86	4.30	13.00
KAR05			80	7.38	86.1	1.25	3.70	14.80
KAR05			100	5.28	90.8	1.96	3.00	16.80
KAR05			125	-3.44	89.3	2.97	1.80	18.80
KAR05			160	-10.43	90.6	4.46	0.00	21.10
KAR05			200	-15.28	91.9	6.42	0.00	22.80
KAR06	6 532	6 535						
KAR06			20	25.10	63.9	0.00	5.60	7.60
KAR06			25	22.17	67.8	0.13	5.40	8.30
KAR06			32	21.20	73.3	0.20	5.20	9.20
KAR06			40	18.57	76.9	0.33	5.00	10.30
KAR06			50	17.64	82.0	0.46	4.70	11.50
KAR06			63	12.78	83.3	0.72	4.30	13.00
KAR06			80	9.15	86.1	1.05	3.70	14.80
KAR06			100	7.16	90.8	1.63	3.00	16.80
KAR06			125	-1.39	89.3	2.48	1.80	18.80
KAR06			160	-8.13	90.6	3.72	0.00	21.10
KAR06			200	-12.66	91.9	5.36	0.00	22.80
KAR07	5 891	5 893						
KAR07			20	25.99	63.9	0.00	5.60	7.60
KAR07			25	23.07	67.8	0.12	5.40	8.30
KAR07			32	22.12	73.3	0.18	5.20	9.20
KAR07			40	19.50	76.9	0.29	5.00	10.30
KAR07			50	18.58	82.0	0.41	4.70	11.50
KAR07			63	13.74	83.3	0.65	4.30	13.00
KAR07			80	10.15	86.1	0.94	3.70	14.80
KAR07			100	8.22	90.8	1.47	3.00	16.80
KAR07			125	-0.25	89.3	2.24	1.80	18.80
KAR07			160	-6.87	90.6	3.36	0.00	21.10
KAR07			200	-11.24	91.9	4.83	0.00	22.80
KAR08	5 343	5 347						
KAR08			20	26.84	63.9	0.00	5.60	7.60
KAR08			25	23.93	67.8	0.11	5.40	8.30
KAR08			32	22.98	73.3	0.16	5.20	9.20
KAR08			40	20.37	76.9	0.27	5.00	10.30
KAR08			50	19.46	82.0	0.37	4.70	11.50
KAR08			63	14.65	83.3	0.59	4.30	13.00
KAR08			80	11.08	86.1	0.86	3.70	14.80
KAR08			100	9.20	90.8	1.34	3.00	16.80
KAR08			125	0.81	89.3	2.03	1.80	18.80
KAR08			160	-5.71	90.6	3.05	0.00	21.10
KAR08			200	-9.95	91.9	4.38	0.00	22.80
KAR09	8 012	8 015						
KAR09			20	23.32	63.9	0.00	5.60	7.60
KAR09			25	20.36	67.8	0.16	5.40	8.30
KAR09			32	19.38	73.3	0.24	5.20	9.20
KAR09			40	16.72	76.9	0.40	5.00	10.30
KAR09			50	15.76	82.0	0.56	4.70	11.50
KAR09			63	10.84	83.3	0.88	4.30	13.00
KAR09			80	7.14	86.1	1.28	3.70	14.80
KAR09			100	5.02	90.8	2.00	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			125	-3.72	89.3	3.05	1.80	18.80
KAR09			160	-10.75	90.6	4.57	0.00	21.10
KAR09			200	-15.65	91.9	6.57	0.00	22.80
KAR10	7 424	7 427						
KAR10			20	23.98	63.9	0.00	5.60	7.60
KAR10			25	21.04	67.8	0.15	5.40	8.30
KAR10			32	20.06	73.3	0.22	5.20	9.20
KAR10			40	17.41	76.9	0.37	5.00	10.30
KAR10			50	16.46	82.0	0.52	4.70	11.50
KAR10			63	11.57	83.3	0.82	4.30	13.00
KAR10			80	7.90	86.1	1.19	3.70	14.80
KAR10			100	5.83	90.8	1.86	3.00	16.80
KAR10			125	-2.84	89.3	2.82	1.80	18.80
KAR10			160	-9.75	90.6	4.23	0.00	21.10
KAR10			200	-14.51	91.9	6.09	0.00	22.80
KAR11	6 591	6 594						
KAR11			20	25.02	63.9	0.00	5.60	7.60
KAR11			25	22.09	67.8	0.13	5.40	8.30
KAR11			32	21.12	73.3	0.20	5.20	9.20
KAR11			40	18.49	76.9	0.33	5.00	10.30
KAR11			50	17.56	82.0	0.46	4.70	11.50
KAR11			63	12.69	83.3	0.73	4.30	13.00
KAR11			80	9.06	86.1	1.05	3.70	14.80
KAR11			100	7.07	90.8	1.65	3.00	16.80
KAR11			125	-1.49	89.3	2.51	1.80	18.80
KAR11			160	-8.24	90.6	3.76	0.00	21.10
KAR11			200	-12.79	91.9	5.41	0.00	22.80
KAR12	7 572	7 575						
KAR12			20	23.81	63.9	0.00	5.60	7.60
KAR12			25	20.86	67.8	0.15	5.40	8.30
KAR12			32	19.89	73.3	0.23	5.20	9.20
KAR12			40	17.23	76.9	0.38	5.00	10.30
KAR12			50	16.28	82.0	0.53	4.70	11.50
KAR12			63	11.38	83.3	0.83	4.30	13.00
KAR12			80	7.70	86.1	1.21	3.70	14.80
KAR12			100	5.62	90.8	1.89	3.00	16.80
KAR12			125	-3.07	89.3	2.88	1.80	18.80
KAR12			160	-10.00	90.6	4.32	0.00	21.10
KAR12			200	-14.80	91.9	6.21	0.00	22.80
KAR13	6 621	6 624						
KAR13			20	24.98	63.9	0.00	5.60	7.60
KAR13			25	22.04	67.8	0.13	5.40	8.30
KAR13			32	21.08	73.3	0.20	5.20	9.20
KAR13			40	18.45	76.9	0.33	5.00	10.30
KAR13			50	17.51	82.0	0.46	4.70	11.50
KAR13			63	12.65	83.3	0.73	4.30	13.00
KAR13			80	9.02	86.1	1.06	3.70	14.80
KAR13			100	7.02	90.8	1.66	3.00	16.80
KAR13			125	-1.54	89.3	2.52	1.80	18.80
KAR13			160	-8.30	90.6	3.78	0.00	21.10
KAR13			200	-12.85	91.9	5.43	0.00	22.80
KAR14	8 166	8 168						
KAR14			20	23.16	63.9	0.00	5.60	7.60
KAR14			25	20.19	67.8	0.16	5.40	8.30
KAR14			32	19.21	73.3	0.25	5.20	9.20
KAR14			40	16.55	76.9	0.41	5.00	10.30
KAR14			50	15.59	82.0	0.57	4.70	11.50
KAR14			63	10.66	83.3	0.90	4.30	13.00
KAR14			80	6.95	86.1	1.31	3.70	14.80
KAR14			100	4.82	90.8	2.04	3.00	16.80
KAR14			125	-3.95	89.3	3.10	1.80	18.80
KAR14			160	-11.00	90.6	4.66	0.00	21.10
KAR14			200	-15.94	91.9	6.70	0.00	22.80
KAR15	6 202	6 205						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			20	25.55	63.9	0.00	5.60	7.60
KAR15			25	22.62	67.8	0.12	5.40	8.30
KAR15			32	21.66	73.3	0.19	5.20	9.20
KAR15			40	19.04	76.9	0.31	5.00	10.30
KAR15			50	18.11	82.0	0.43	4.70	11.50
KAR15			63	13.26	83.3	0.68	4.30	13.00
KAR15			80	9.65	86.1	0.99	3.70	14.80
KAR15			100	7.69	90.8	1.55	3.00	16.80
KAR15			125	-0.81	89.3	2.36	1.80	18.80
KAR15			160	-7.49	90.6	3.54	0.00	21.10
KAR15			200	-11.94	91.9	5.09	0.00	22.80
KAR16	8 080	8 082						
KAR16			20	23.25	63.9	0.00	5.60	7.60
KAR16			25	20.29	67.8	0.16	5.40	8.30
KAR16			32	19.31	73.3	0.24	5.20	9.20
KAR16			40	16.65	76.9	0.40	5.00	10.30
KAR16			50	15.68	82.0	0.57	4.70	11.50
KAR16			63	10.76	83.3	0.89	4.30	13.00
KAR16			80	7.06	86.1	1.29	3.70	14.80
KAR16			100	4.93	90.8	2.02	3.00	16.80
KAR16			125	-3.82	89.3	3.07	1.80	18.80
KAR16			160	-10.86	90.6	4.61	0.00	21.10
KAR16			200	-15.78	91.9	6.63	0.00	22.80
KAR17	7 625	7 627						
KAR17			20	23.75	63.9	0.00	5.60	7.60
KAR17			25	20.80	67.8	0.15	5.40	8.30
KAR17			32	19.82	73.3	0.23	5.20	9.20
KAR17			40	17.17	76.9	0.38	5.00	10.30
KAR17			50	16.22	82.0	0.53	4.70	11.50
KAR17			63	11.31	83.3	0.84	4.30	13.00
KAR17			80	7.63	86.1	1.22	3.70	14.80
KAR17			100	5.55	90.8	1.91	3.00	16.80
KAR17			125	-3.15	89.3	2.90	1.80	18.80
KAR17			160	-10.10	90.6	4.35	0.00	21.10
KAR17			200	-14.90	91.9	6.25	0.00	22.80
KAR18	8 761	8 764						
KAR18			20	22.55	63.9	0.00	5.60	7.60
KAR18			25	19.57	67.8	0.18	5.40	8.30
KAR18			32	18.58	73.3	0.26	5.20	9.20
KAR18			40	15.91	76.9	0.44	5.00	10.30
KAR18			50	14.93	82.0	0.61	4.70	11.50
KAR18			63	9.98	83.3	0.96	4.30	13.00
KAR18			80	6.24	86.1	1.40	3.70	14.80
KAR18			100	4.06	90.8	2.19	3.00	16.80
KAR18			125	-4.78	89.3	3.33	1.80	18.80
KAR18			160	-11.95	90.6	5.00	0.00	21.10
KAR18			200	-17.04	91.9	7.19	0.00	22.80
KAR19	6 617	6 620						
KAR19			20	24.98	63.9	0.00	5.60	7.60
KAR19			25	22.05	67.8	0.13	5.40	8.30
KAR19			32	21.08	73.3	0.20	5.20	9.20
KAR19			40	18.45	76.9	0.33	5.00	10.30
KAR19			50	17.52	82.0	0.46	4.70	11.50
KAR19			63	12.65	83.3	0.73	4.30	13.00
KAR19			80	9.02	86.1	1.06	3.70	14.80
KAR19			100	7.03	90.8	1.66	3.00	16.80
KAR19			125	-1.53	89.3	2.52	1.80	18.80
KAR19			160	-8.29	90.6	3.77	0.00	21.10
KAR19			200	-12.85	91.9	5.43	0.00	22.80
KAR20	8 305	8 307						
KAR20			20	23.01	63.9	0.00	5.60	7.60
KAR20			25	20.04	67.8	0.17	5.40	8.30
KAR20			32	19.06	73.3	0.25	5.20	9.20
KAR20			40	16.40	76.9	0.42	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			50	15.43	82.0	0.58	4.70	11.50
KAR20			63	10.50	83.3	0.91	4.30	13.00
KAR20			80	6.78	86.1	1.33	3.70	14.80
KAR20			100	4.63	90.8	2.08	3.00	16.80
KAR20			125	-4.15	89.3	3.16	1.80	18.80
KAR20			160	-11.22	90.6	4.74	0.00	21.10
KAR20			200	-16.20	91.9	6.81	0.00	22.80
KAR21	7 712	7 714						
KAR21			20	23.65	63.9	0.00	5.60	7.60
KAR21			25	20.70	67.8	0.15	5.40	8.30
KAR21			32	19.72	73.3	0.23	5.20	9.20
KAR21			40	17.07	76.9	0.39	5.00	10.30
KAR21			50	16.11	82.0	0.54	4.70	11.50
KAR21			63	11.21	83.3	0.85	4.30	13.00
KAR21			80	7.52	86.1	1.23	3.70	14.80
KAR21			100	5.43	90.8	1.93	3.00	16.80
KAR21			125	-3.28	89.3	2.93	1.80	18.80
KAR21			160	-10.24	90.6	4.40	0.00	21.10
KAR21			200	-15.07	91.9	6.33	0.00	22.80
KAR22	7 442	7 444						
KAR22			20	23.96	63.9	0.00	5.60	7.60
KAR22			25	21.01	67.8	0.15	5.40	8.30
KAR22			32	20.04	73.3	0.22	5.20	9.20
KAR22			40	17.39	76.9	0.37	5.00	10.30
KAR22			50	16.44	82.0	0.52	4.70	11.50
KAR22			63	11.54	83.3	0.82	4.30	13.00
KAR22			80	7.87	86.1	1.19	3.70	14.80
KAR22			100	5.80	90.8	1.86	3.00	16.80
KAR22			125	-2.87	89.3	2.83	1.80	18.80
KAR22			160	-9.78	90.6	4.24	0.00	21.10
KAR22			200	-14.54	91.9	6.10	0.00	22.80
KAR23	8 039	8 041						
KAR23			20	23.29	63.9	0.00	5.60	7.60
KAR23			25	20.33	67.8	0.16	5.40	8.30
KAR23			32	19.35	73.3	0.24	5.20	9.20
KAR23			40	16.69	76.9	0.40	5.00	10.30
KAR23			50	15.73	82.0	0.56	4.70	11.50
KAR23			63	10.81	83.3	0.88	4.30	13.00
KAR23			80	7.11	86.1	1.29	3.70	14.80
KAR23			100	4.98	90.8	2.01	3.00	16.80
KAR23			125	-3.76	89.3	3.06	1.80	18.80
KAR23			160	-10.79	90.6	4.58	0.00	21.10
KAR23			200	-15.70	91.9	6.59	0.00	22.80
KAR24	7 186	7 189						
KAR24			20	24.27	63.9	0.00	5.60	7.60
KAR24			25	21.32	67.8	0.14	5.40	8.30
KAR24			32	20.35	73.3	0.22	5.20	9.20
KAR24			40	17.71	76.9	0.36	5.00	10.30
KAR24			50	16.76	82.0	0.50	4.70	11.50
KAR24			63	11.88	83.3	0.79	4.30	13.00
KAR24			80	8.22	86.1	1.15	3.70	14.80
KAR24			100	6.17	90.8	1.80	3.00	16.80
KAR24			125	-2.46	89.3	2.73	1.80	18.80
KAR24			160	-9.33	90.6	4.10	0.00	21.10
KAR24			200	-14.03	91.9	5.89	0.00	22.80
KAR25	5 754	5 757						
KAR25			20	26.20	63.9	0.00	5.60	7.60
KAR25			25	23.28	67.8	0.12	5.40	8.30
KAR25			32	22.32	73.3	0.17	5.20	9.20
KAR25			40	19.71	76.9	0.29	5.00	10.30
KAR25			50	18.79	82.0	0.40	4.70	11.50
KAR25			63	13.96	83.3	0.63	4.30	13.00
KAR25			80	10.38	86.1	0.92	3.70	14.80
KAR25			100	8.46	90.8	1.44	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			125	0.01	89.3	2.19	1.80	18.80
KAR25			160	-6.59	90.6	3.28	0.00	21.10
KAR25			200	-10.92	91.9	4.72	0.00	22.80
MAA01	4 373	4 376						
MAA01			20	28.58	63.9	0.00	5.60	7.60
MAA01			25	25.69	67.8	0.09	5.40	8.30
MAA01			32	24.75	73.3	0.13	5.20	9.20
MAA01			40	22.16	76.9	0.22	5.00	10.30
MAA01			50	21.27	82.0	0.31	4.70	11.50
MAA01			63	16.50	83.3	0.48	4.30	13.00
MAA01			80	12.98	86.1	0.70	3.70	14.80
MAA01			100	11.19	90.8	1.09	3.00	16.80
MAA01			125	2.92	89.3	1.66	1.80	18.80
MAA01			160	-3.41	90.6	2.49	0.00	21.10
MAA01			200	-7.41	91.9	3.59	0.00	22.80
MAA03	3 797	3 800						
MAA03			20	29.80	63.9	0.00	5.60	7.60
MAA03			25	26.93	67.8	0.08	5.40	8.30
MAA03			32	25.99	73.3	0.11	5.20	9.20
MAA03			40	23.41	76.9	0.19	5.00	10.30
MAA03			50	22.54	82.0	0.27	4.70	11.50
MAA03			63	17.79	83.3	0.42	4.30	13.00
MAA03			80	14.30	86.1	0.61	3.70	14.80
MAA03			100	12.55	90.8	0.95	3.00	16.80
MAA03			125	4.36	89.3	1.44	1.80	18.80
MAA03			160	-1.86	90.6	2.17	0.00	21.10
MAA03			200	-5.71	91.9	3.12	0.00	22.80
MAA04	2 677	2 681						
MAA04			20	32.83	63.9	0.00	5.60	7.60
MAA04			25	29.98	67.8	0.05	5.40	8.30
MAA04			32	29.05	73.3	0.08	5.20	9.20
MAA04			40	26.50	76.9	0.13	5.00	10.30
MAA04			50	25.65	82.0	0.19	4.70	11.50
MAA04			63	20.94	83.3	0.29	4.30	13.00
MAA04			80	17.50	86.1	0.43	3.70	14.80
MAA04			100	15.86	90.8	0.67	3.00	16.80
MAA04			125	7.81	89.3	1.02	1.80	18.80
MAA04			160	1.81	90.6	1.53	0.00	21.10
MAA04			200	-1.76	91.9	2.20	0.00	22.80
MAA05	3 231	3 235						
MAA05			20	31.20	63.9	0.00	5.60	7.60
MAA05			25	28.34	67.8	0.06	5.40	8.30
MAA05			32	27.41	73.3	0.10	5.20	9.20
MAA05			40	24.84	76.9	0.16	5.00	10.30
MAA05			50	23.98	82.0	0.23	4.70	11.50
MAA05			63	19.25	83.3	0.36	4.30	13.00
MAA05			80	15.79	86.1	0.52	3.70	14.80
MAA05			100	14.10	90.8	0.81	3.00	16.80
MAA05			125	5.97	89.3	1.23	1.80	18.80
MAA05			160	-0.14	90.6	1.84	0.00	21.10
MAA05			200	-3.85	91.9	2.65	0.00	22.80
MAA06	2 231	2 235						
MAA06			20	34.41	63.9	0.00	5.60	7.60
MAA06			25	31.57	67.8	0.04	5.40	8.30
MAA06			32	30.65	73.3	0.07	5.20	9.20
MAA06			40	28.10	76.9	0.11	5.00	10.30
MAA06			50	27.26	82.0	0.16	4.70	11.50
MAA06			63	22.57	83.3	0.25	4.30	13.00
MAA06			80	19.16	86.1	0.36	3.70	14.80
MAA06			100	17.56	90.8	0.56	3.00	16.80
MAA06			125	9.56	89.3	0.85	1.80	18.80
MAA06			160	3.64	90.6	1.27	0.00	21.10
MAA06			200	0.18	91.9	1.83	0.00	22.80
MAA07	1 564	1 571						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			20	37.48	63.9	0.00	5.60	7.60
MAA07			25	34.65	67.8	0.03	5.40	8.30
MAA07			32	33.73	73.3	0.05	5.20	9.20
MAA07			40	31.20	76.9	0.08	5.00	10.30
MAA07			50	30.37	82.0	0.11	4.70	11.50
MAA07			63	25.71	83.3	0.17	4.30	13.00
MAA07			80	22.33	86.1	0.25	3.70	14.80
MAA07			100	20.79	90.8	0.39	3.00	16.80
MAA07			125	12.88	89.3	0.60	1.80	18.80
MAA07			160	7.08	90.6	0.90	0.00	21.10
MAA07			200	3.79	91.9	1.29	0.00	22.80
MAA08	1 053	1 064						
MAA08			20	40.86	63.9	0.00	5.60	7.60
MAA08			25	38.04	67.8	0.02	5.40	8.30
MAA08			32	37.13	73.3	0.03	5.20	9.20
MAA08			40	34.61	76.9	0.05	5.00	10.30
MAA08			50	33.79	82.0	0.07	4.70	11.50
MAA08			63	29.15	83.3	0.12	4.30	13.00
MAA08			80	25.79	86.1	0.17	3.70	14.80
MAA08			100	24.30	90.8	0.27	3.00	16.80
MAA08			125	16.46	89.3	0.40	1.80	18.80
MAA08			160	10.76	90.6	0.61	0.00	21.10
MAA08			200	7.59	91.9	0.87	0.00	22.80
RAH01	5 866	5 868						
RAH01			20	24.18	62.0	0.00	5.60	7.60
RAH01			25	22.56	67.2	0.12	5.40	8.30
RAH01			32	20.90	72.0	0.18	5.20	9.20
RAH01			40	19.46	76.8	0.29	5.00	10.30
RAH01			50	17.84	81.2	0.41	4.70	11.50
RAH01			63	15.51	85.0	0.65	4.30	13.00
RAH01			80	12.42	88.3	0.94	3.70	14.80
RAH01			100	8.56	91.1	1.47	3.00	16.80
RAH01			125	3.80	93.3	2.23	1.80	18.80
RAH01			160	-2.44	95.0	3.34	0.00	21.10
RAH01			200	-6.98	96.1	4.81	0.00	22.80
RAH02	5 290	5 292						
RAH02			20	25.08	62.0	0.00	5.60	7.60
RAH02			25	23.47	67.2	0.11	5.40	8.30
RAH02			32	21.82	72.0	0.16	5.20	9.20
RAH02			40	20.39	76.8	0.26	5.00	10.30
RAH02			50	18.78	81.2	0.37	4.70	11.50
RAH02			63	16.47	85.0	0.58	4.30	13.00
RAH02			80	13.41	88.3	0.85	3.70	14.80
RAH02			100	9.60	91.1	1.32	3.00	16.80
RAH02			125	4.92	93.3	2.01	1.80	18.80
RAH02			160	-1.21	95.0	3.02	0.00	21.10
RAH02			200	-5.61	96.1	4.34	0.00	22.80
RAH03	5 213	5 216						
RAH03			20	25.20	62.0	0.00	5.60	7.60
RAH03			25	23.60	67.2	0.10	5.40	8.30
RAH03			32	21.95	72.0	0.16	5.20	9.20
RAH03			40	20.52	76.8	0.26	5.00	10.30
RAH03			50	18.91	81.2	0.37	4.70	11.50
RAH03			63	16.60	85.0	0.57	4.30	13.00
RAH03			80	13.54	88.3	0.83	3.70	14.80
RAH03			100	9.75	91.1	1.30	3.00	16.80
RAH03			125	5.07	93.3	1.98	1.80	18.80
RAH03			160	-1.04	95.0	2.97	0.00	21.10
RAH03			200	-5.42	96.1	4.28	0.00	22.80
RAH04	4 767	4 769						
RAH04			20	25.98	62.0	0.00	5.60	7.60
RAH04			25	24.38	67.2	0.10	5.40	8.30
RAH04			32	22.74	72.0	0.14	5.20	9.20
RAH04			40	21.32	76.8	0.24	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			50	19.72	81.2	0.33	4.70	11.50
RAH04			63	17.43	85.0	0.52	4.30	13.00
RAH04			80	14.39	88.3	0.76	3.70	14.80
RAH04			100	10.64	91.1	1.19	3.00	16.80
RAH04			125	6.02	93.3	1.81	1.80	18.80
RAH04			160	-0.01	95.0	2.72	0.00	21.10
RAH04			200	-4.28	96.1	3.91	0.00	22.80
RAH05	4 343	4 346						
RAH05			20	26.79	62.0	0.00	5.60	7.60
RAH05			25	25.20	67.2	0.09	5.40	8.30
RAH05			32	23.56	72.0	0.13	5.20	9.20
RAH05			40	22.14	76.8	0.22	5.00	10.30
RAH05			50	20.56	81.2	0.30	4.70	11.50
RAH05			63	18.28	85.0	0.48	4.30	13.00
RAH05			80	15.27	88.3	0.70	3.70	14.80
RAH05			100	11.55	91.1	1.09	3.00	16.80
RAH05			125	6.99	93.3	1.65	1.80	18.80
RAH05			160	1.04	95.0	2.48	0.00	21.10
RAH05			200	-3.13	96.1	3.56	0.00	22.80
RAH06	3 841	3 844						
RAH06			20	27.85	62.0	0.00	5.60	7.60
RAH06			25	26.28	67.2	0.08	5.40	8.30
RAH06			32	24.64	72.0	0.12	5.20	9.20
RAH06			40	23.24	76.8	0.19	5.00	10.30
RAH06			50	21.66	81.2	0.27	4.70	11.50
RAH06			63	19.41	85.0	0.42	4.30	13.00
RAH06			80	16.41	88.3	0.62	3.70	14.80
RAH06			100	12.74	91.1	0.96	3.00	16.80
RAH06			125	8.24	93.3	1.46	1.80	18.80
RAH06			160	2.39	95.0	2.19	0.00	21.10
RAH06			200	-1.65	96.1	3.15	0.00	22.80
RAH07	4 170	4 173						
RAH07			20	27.14	62.0	0.00	5.60	7.60
RAH07			25	25.56	67.2	0.08	5.40	8.30
RAH07			32	23.91	72.0	0.13	5.20	9.20
RAH07			40	22.51	76.8	0.21	5.00	10.30
RAH07			50	20.92	81.2	0.29	4.70	11.50
RAH07			63	18.66	85.0	0.46	4.30	13.00
RAH07			80	15.65	88.3	0.67	3.70	14.80
RAH07			100	11.95	91.1	1.04	3.00	16.80
RAH07			125	7.41	93.3	1.59	1.80	18.80
RAH07			160	1.49	95.0	2.38	0.00	21.10
RAH07			200	-2.63	96.1	3.42	0.00	22.80
RAH08	4 816	4 819						
RAH08			20	25.89	62.0	0.00	5.60	7.60
RAH08			25	24.29	67.2	0.10	5.40	8.30
RAH08			32	22.65	72.0	0.14	5.20	9.20
RAH08			40	21.22	76.8	0.24	5.00	10.30
RAH08			50	19.63	81.2	0.34	4.70	11.50
RAH08			63	17.34	85.0	0.53	4.30	13.00
RAH08			80	14.29	88.3	0.77	3.70	14.80
RAH08			100	10.54	91.1	1.20	3.00	16.80
RAH08			125	5.91	93.3	1.83	1.80	18.80
RAH08			160	-0.13	95.0	2.75	0.00	21.10
RAH08			200	-4.41	96.1	3.95	0.00	22.80
RAH09	4 213	4 216						
RAH09			20	27.05	62.0	0.00	5.60	7.60
RAH09			25	25.47	67.2	0.08	5.40	8.30
RAH09			32	23.82	72.0	0.13	5.20	9.20
RAH09			40	22.42	76.8	0.21	5.00	10.30
RAH09			50	20.83	81.2	0.30	4.70	11.50
RAH09			63	18.56	85.0	0.46	4.30	13.00
RAH09			80	15.55	88.3	0.67	3.70	14.80
RAH09			100	11.85	91.1	1.05	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			125	7.30	93.3	1.60	1.80	18.80
RAH09			160	1.38	95.0	2.40	0.00	21.10
RAH09			200	-2.75	96.1	3.46	0.00	22.80
RAH10	5 047	5 049						
RAH10			20	25.48	62.0	0.00	5.60	7.60
RAH10			25	23.88	67.2	0.10	5.40	8.30
RAH10			32	22.23	72.0	0.15	5.20	9.20
RAH10			40	20.81	76.8	0.25	5.00	10.30
RAH10			50	19.21	81.2	0.35	4.70	11.50
RAH10			63	16.90	85.0	0.56	4.30	13.00
RAH10			80	13.85	88.3	0.81	3.70	14.80
RAH10			100	10.07	91.1	1.26	3.00	16.80
RAH10			125	5.42	93.3	1.92	1.80	18.80
RAH10			160	-0.67	95.0	2.88	0.00	21.10
RAH10			200	-5.01	96.1	4.14	0.00	22.80
RAH11	6 123	6 125						
RAH11			20	23.81	62.0	0.00	5.60	7.60
RAH11			25	22.18	67.2	0.12	5.40	8.30
RAH11			32	20.52	72.0	0.18	5.20	9.20
RAH11			40	19.08	76.8	0.31	5.00	10.30
RAH11			50	17.45	81.2	0.43	4.70	11.50
RAH11			63	15.11	85.0	0.67	4.30	13.00
RAH11			80	12.00	88.3	0.98	3.70	14.80
RAH11			100	8.13	91.1	1.53	3.00	16.80
RAH11			125	3.33	93.3	2.33	1.80	18.80
RAH11			160	-2.96	95.0	3.49	0.00	21.10
RAH11			200	-7.56	96.1	5.02	0.00	22.80
RAH12	6 795	6 797						
RAH12			20	22.90	62.0	0.00	5.60	7.60
RAH12			25	21.27	67.2	0.14	5.40	8.30
RAH12			32	19.60	72.0	0.20	5.20	9.20
RAH12			40	18.14	76.8	0.34	5.00	10.30
RAH12			50	16.50	81.2	0.48	4.70	11.50
RAH12			63	14.13	85.0	0.75	4.30	13.00
RAH12			80	10.99	88.3	1.09	3.70	14.80
RAH12			100	7.05	91.1	1.70	3.00	16.80
RAH12			125	2.17	93.3	2.58	1.80	18.80
RAH12			160	-4.24	95.0	3.87	0.00	21.10
RAH12			200	-9.02	96.1	5.57	0.00	22.80
RAH13	7 109	7 111						
RAH13			20	22.51	62.0	0.00	5.60	7.60
RAH13			25	20.87	67.2	0.14	5.40	8.30
RAH13			32	19.20	72.0	0.21	5.20	9.20
RAH13			40	17.73	76.8	0.36	5.00	10.30
RAH13			50	16.09	81.2	0.50	4.70	11.50
RAH13			63	13.70	85.0	0.78	4.30	13.00
RAH13			80	10.55	88.3	1.14	3.70	14.80
RAH13			100	6.58	91.1	1.78	3.00	16.80
RAH13			125	1.66	93.3	2.70	1.80	18.80
RAH13			160	-4.82	95.0	4.05	0.00	21.10
RAH13			200	-9.67	96.1	5.83	0.00	22.80
RAH14	6 551	6 553						
RAH14			20	23.22	62.0	0.00	5.60	7.60
RAH14			25	21.59	67.2	0.13	5.40	8.30
RAH14			32	19.92	72.0	0.20	5.20	9.20
RAH14			40	18.47	76.8	0.33	5.00	10.30
RAH14			50	16.84	81.2	0.46	4.70	11.50
RAH14			63	14.48	85.0	0.72	4.30	13.00
RAH14			80	11.35	88.3	1.05	3.70	14.80
RAH14			100	7.43	91.1	1.64	3.00	16.80
RAH14			125	2.58	93.3	2.49	1.80	18.80
RAH14			160	-3.79	95.0	3.73	0.00	21.10
RAH14			200	-8.50	96.1	5.37	0.00	22.80
RAH15	7 654	7 656						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			20	21.87	62.0	0.00	5.60	7.60
RAH15			25	20.22	67.2	0.15	5.40	8.30
RAH15			32	18.54	72.0	0.23	5.20	9.20
RAH15			40	17.06	76.8	0.38	5.00	10.30
RAH15			50	15.41	81.2	0.54	4.70	11.50
RAH15			63	13.00	85.0	0.84	4.30	13.00
RAH15			80	9.82	88.3	1.22	3.70	14.80
RAH15			100	5.81	91.1	1.91	3.00	16.80
RAH15			125	0.81	93.3	2.91	1.80	18.80
RAH15			160	-5.77	95.0	4.36	0.00	21.10
RAH15			200	-10.76	96.1	6.28	0.00	22.80
RAH16	8 038	8 040						
RAH16			20	21.44	62.0	0.00	5.60	7.60
RAH16			25	19.78	67.2	0.16	5.40	8.30
RAH16			32	18.10	72.0	0.24	5.20	9.20
RAH16			40	16.62	76.8	0.40	5.00	10.30
RAH16			50	14.96	81.2	0.56	4.70	11.50
RAH16			63	12.54	85.0	0.88	4.30	13.00
RAH16			80	9.33	88.3	1.29	3.70	14.80
RAH16			100	5.29	91.1	2.01	3.00	16.80
RAH16			125	0.24	93.3	3.06	1.80	18.80
RAH16			160	-6.41	95.0	4.58	0.00	21.10
RAH16			200	-11.50	96.1	6.59	0.00	22.80
RAH17	6 969	6 971						
RAH17			20	22.68	62.0	0.00	5.60	7.60
RAH17			25	21.04	67.2	0.14	5.40	8.30
RAH17			32	19.37	72.0	0.21	5.20	9.20
RAH17			40	17.91	76.8	0.35	5.00	10.30
RAH17			50	16.27	81.2	0.49	4.70	11.50
RAH17			63	13.89	85.0	0.77	4.30	13.00
RAH17			80	10.74	88.3	1.12	3.70	14.80
RAH17			100	6.79	91.1	1.74	3.00	16.80
RAH17			125	1.89	93.3	2.65	1.80	18.80
RAH17			160	-4.56	95.0	3.97	0.00	21.10
RAH17			200	-9.38	96.1	5.72	0.00	22.80
RAH18	7 511	7 513						
RAH18			20	22.03	62.0	0.00	5.60	7.60
RAH18			25	20.38	67.2	0.15	5.40	8.30
RAH18			32	18.71	72.0	0.23	5.20	9.20
RAH18			40	17.23	76.8	0.38	5.00	10.30
RAH18			50	15.58	81.2	0.53	4.70	11.50
RAH18			63	13.18	85.0	0.83	4.30	13.00
RAH18			80	10.01	88.3	1.20	3.70	14.80
RAH18			100	6.01	91.1	1.88	3.00	16.80
RAH18			125	1.03	93.3	2.85	1.80	18.80
RAH18			160	-5.52	95.0	4.28	0.00	21.10
RAH18			200	-10.48	96.1	6.16	0.00	22.80
RAH19	7 650	7 652						
RAH19			20	21.87	62.0	0.00	5.60	7.60
RAH19			25	20.22	67.2	0.15	5.40	8.30
RAH19			32	18.54	72.0	0.23	5.20	9.20
RAH19			40	17.07	76.8	0.38	5.00	10.30
RAH19			50	15.41	81.2	0.54	4.70	11.50
RAH19			63	13.01	85.0	0.84	4.30	13.00
RAH19			80	9.82	88.3	1.22	3.70	14.80
RAH19			100	5.81	91.1	1.91	3.00	16.80
RAH19			125	0.82	93.3	2.91	1.80	18.80
RAH19			160	-5.76	95.0	4.36	0.00	21.10
RAH19			200	-10.75	96.1	6.27	0.00	22.80
SIL01	13 557	13 558						
SIL01			20	18.18	63.3	0.00	5.60	7.60
SIL01			25	16.30	68.4	0.27	5.40	8.30
SIL01			32	10.28	68.9	0.41	5.20	9.20
SIL01			40	7.10	72.1	0.68	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			50	5.63	76.8	0.95	4.70	11.50
SIL01			63	2.17	79.8	1.49	4.30	13.00
SIL01			80	-1.80	82.6	2.17	3.70	14.80
SIL01			100	-5.70	86.0	3.39	3.00	16.80
SIL01			125	-10.41	89.3	5.15	1.80	18.80
SIL01			160	-20.89	88.2	7.73	0.00	21.10
SIL01			200	-26.67	90.0	11.12	0.00	22.80
SIL02	13 071	13 072						
SIL02			20	18.50	63.3	0.00	5.60	7.60
SIL02			25	16.63	68.4	0.26	5.40	8.30
SIL02			32	10.61	68.9	0.39	5.20	9.20
SIL02			40	7.44	72.1	0.65	5.00	10.30
SIL02			50	5.98	76.8	0.92	4.70	11.50
SIL02			63	2.54	79.8	1.44	4.30	13.00
SIL02			80	-1.41	82.6	2.09	3.70	14.80
SIL02			100	-5.27	86.0	3.27	3.00	16.80
SIL02			125	-9.91	89.3	4.97	1.80	18.80
SIL02			160	-20.30	88.2	7.45	0.00	21.10
SIL02			200	-25.96	90.0	10.72	0.00	22.80
SIL03	12 440	12 441						
SIL03			20	18.93	63.3	0.00	5.60	7.60
SIL03			25	17.07	68.4	0.25	5.40	8.30
SIL03			32	11.06	68.9	0.37	5.20	9.20
SIL03			40	7.90	72.1	0.62	5.00	10.30
SIL03			50	6.46	76.8	0.87	4.70	11.50
SIL03			63	3.04	79.8	1.37	4.30	13.00
SIL03			80	-0.88	82.6	1.99	3.70	14.80
SIL03			100	-4.68	86.0	3.11	3.00	16.80
SIL03			125	-9.24	89.3	4.73	1.80	18.80
SIL03			160	-19.51	88.2	7.09	0.00	21.10
SIL03			200	-25.01	90.0	10.20	0.00	22.80
SIL04	12 437	12 438						
SIL04			20	18.93	63.3	0.00	5.60	7.60
SIL04			25	17.07	68.4	0.25	5.40	8.30
SIL04			32	11.06	68.9	0.37	5.20	9.20
SIL04			40	7.91	72.1	0.62	5.00	10.30
SIL04			50	6.46	76.8	0.87	4.70	11.50
SIL04			63	3.04	79.8	1.37	4.30	13.00
SIL04			80	-0.87	82.6	1.99	3.70	14.80
SIL04			100	-4.68	86.0	3.11	3.00	16.80
SIL04			125	-9.23	89.3	4.73	1.80	18.80
SIL04			160	-19.50	88.2	7.09	0.00	21.10
SIL04			200	-25.01	90.0	10.20	0.00	22.80
SIL05	13 276	13 277						
SIL05			20	18.36	63.3	0.00	5.60	7.60
SIL05			25	16.49	68.4	0.27	5.40	8.30
SIL05			32	10.47	68.9	0.40	5.20	9.20
SIL05			40	7.30	72.1	0.66	5.00	10.30
SIL05			50	5.83	76.8	0.93	4.70	11.50
SIL05			63	2.38	79.8	1.46	4.30	13.00
SIL05			80	-1.57	82.6	2.12	3.70	14.80
SIL05			100	-5.45	86.0	3.32	3.00	16.80
SIL05			125	-10.12	89.3	5.05	1.80	18.80
SIL05			160	-20.55	88.2	7.57	0.00	21.10
SIL05			200	-26.26	90.0	10.89	0.00	22.80
SIL06	12 922	12 923						
SIL06			20	18.60	63.3	0.00	5.60	7.60
SIL06			25	16.73	68.4	0.26	5.40	8.30
SIL06			32	10.71	68.9	0.39	5.20	9.20
SIL06			40	7.55	72.1	0.65	5.00	10.30
SIL06			50	6.09	76.8	0.90	4.70	11.50
SIL06			63	2.66	79.8	1.42	4.30	13.00
SIL06			80	-1.28	82.6	2.07	3.70	14.80
SIL06			100	-5.13	86.0	3.23	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			125	-9.75	89.3	4.91	1.80	18.80
SIL06			160	-20.11	88.2	7.37	0.00	21.10
SIL06			200	-25.74	90.0	10.60	0.00	22.80
SIL07	12 355	12 356						
SIL07			20	18.99	63.3	0.00	5.60	7.60
SIL07			25	17.13	68.4	0.25	5.40	8.30
SIL07			32	11.12	68.9	0.37	5.20	9.20
SIL07			40	7.97	72.1	0.62	5.00	10.30
SIL07			50	6.52	76.8	0.86	4.70	11.50
SIL07			63	3.11	79.8	1.36	4.30	13.00
SIL07			80	-0.80	82.6	1.98	3.70	14.80
SIL07			100	-4.60	86.0	3.09	3.00	16.80
SIL07			125	-9.14	89.3	4.70	1.80	18.80
SIL07			160	-19.40	88.2	7.04	0.00	21.10
SIL07			200	-24.88	90.0	10.13	0.00	22.80
SIL08	12 680	12 681						
SIL08			20	18.76	63.3	0.00	5.60	7.60
SIL08			25	16.90	68.4	0.25	5.40	8.30
SIL08			32	10.89	68.9	0.38	5.20	9.20
SIL08			40	7.73	72.1	0.63	5.00	10.30
SIL08			50	6.27	76.8	0.89	4.70	11.50
SIL08			63	2.85	79.8	1.39	4.30	13.00
SIL08			80	-1.08	82.6	2.03	3.70	14.80
SIL08			100	-4.90	86.0	3.17	3.00	16.80
SIL08			125	-9.49	89.3	4.82	1.80	18.80
SIL08			160	-19.81	88.2	7.23	0.00	21.10
SIL08			200	-25.37	90.0	10.40	0.00	22.80
Sum								
Sum			20	45.92				
Sum			25	43.28				
Sum			32	42.17				
Sum			40	39.82				
Sum			50	38.82				
Sum			63	34.65				
Sum			80	31.32				
Sum			100	29.15				
Sum			125	22.04				
Sum			160	16.03				
Sum			200	12.29				

Noise sensitive area: AL Noise sensitive point: Finnish normal frequency - User defined (33)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 381	3 385						
KAR01			20	30.81	63.9	0.00	5.60	7.60
KAR01			25	27.94	67.8	0.07	5.40	8.30
KAR01			32	27.01	73.3	0.10	5.20	9.20
KAR01			40	24.44	76.9	0.17	5.00	10.30
KAR01			50	23.57	82.0	0.24	4.70	11.50
KAR01			63	18.84	83.3	0.37	4.30	13.00
KAR01			80	15.37	86.1	0.54	3.70	14.80
KAR01			100	13.66	90.8	0.85	3.00	16.80
KAR01			125	5.52	89.3	1.29	1.80	18.80
KAR01			160	-0.62	90.6	1.93	0.00	21.10
KAR01			200	-4.37	91.9	2.78	0.00	22.80
KAR02	4 545	4 548						
KAR02			20	28.24	63.9	0.00	5.60	7.60
KAR02			25	25.35	67.8	0.09	5.40	8.30
KAR02			32	24.41	73.3	0.14	5.20	9.20
KAR02			40	21.82	76.9	0.23	5.00	10.30
KAR02			50	20.93	82.0	0.32	4.70	11.50
KAR02			63	16.14	83.3	0.50	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR02			80	12.62	86.1	0.73	3.70	14.80
KAR02			100	10.81	90.8	1.14	3.00	16.80
KAR02			125	2.52	89.3	1.73	1.80	18.80
KAR02			160	-3.85	90.6	2.59	0.00	21.10
KAR02			200	-7.89	91.9	3.73	0.00	22.80
KAR03	4 003	4 006						
KAR03			20	29.35	63.9	0.00	5.60	7.60
KAR03			25	26.47	67.8	0.08	5.40	8.30
KAR03			32	25.53	73.3	0.12	5.20	9.20
KAR03			40	22.95	76.9	0.20	5.00	10.30
KAR03			50	22.07	82.0	0.28	4.70	11.50
KAR03			63	17.31	83.3	0.44	4.30	13.00
KAR03			80	13.80	86.1	0.64	3.70	14.80
KAR03			100	12.04	90.8	1.00	3.00	16.80
KAR03			125	3.82	89.3	1.52	1.80	18.80
KAR03			160	-2.44	90.6	2.28	0.00	21.10
KAR03			200	-6.34	91.9	3.28	0.00	22.80
KAR04	3 584	3 588						
KAR04			20	30.30	63.9	0.00	5.60	7.60
KAR04			25	27.43	67.8	0.07	5.40	8.30
KAR04			32	26.50	73.3	0.11	5.20	9.20
KAR04			40	23.92	76.9	0.18	5.00	10.30
KAR04			50	23.05	82.0	0.25	4.70	11.50
KAR04			63	18.31	83.3	0.39	4.30	13.00
KAR04			80	14.83	86.1	0.57	3.70	14.80
KAR04			100	13.11	90.8	0.90	3.00	16.80
KAR04			125	4.94	89.3	1.36	1.80	18.80
KAR04			160	-1.24	90.6	2.04	0.00	21.10
KAR04			200	-5.04	91.9	2.94	0.00	22.80
KAR05	3 215	3 219						
KAR05			20	31.24	63.9	0.00	5.60	7.60
KAR05			25	28.38	67.8	0.06	5.40	8.30
KAR05			32	27.45	73.3	0.10	5.20	9.20
KAR05			40	24.88	76.9	0.16	5.00	10.30
KAR05			50	24.02	82.0	0.23	4.70	11.50
KAR05			63	19.29	83.3	0.35	4.30	13.00
KAR05			80	15.83	86.1	0.52	3.70	14.80
KAR05			100	14.14	90.8	0.80	3.00	16.80
KAR05			125	6.02	89.3	1.22	1.80	18.80
KAR05			160	-0.09	90.6	1.84	0.00	21.10
KAR05			200	-3.80	91.9	2.64	0.00	22.80
KAR06	4 524	4 527						
KAR06			20	28.28	63.9	0.00	5.60	7.60
KAR06			25	25.39	67.8	0.09	5.40	8.30
KAR06			32	24.45	73.3	0.14	5.20	9.20
KAR06			40	21.86	76.9	0.23	5.00	10.30
KAR06			50	20.97	82.0	0.32	4.70	11.50
KAR06			63	16.19	83.3	0.50	4.30	13.00
KAR06			80	12.66	86.1	0.72	3.70	14.80
KAR06			100	10.85	90.8	1.13	3.00	16.80
KAR06			125	2.56	89.3	1.72	1.80	18.80
KAR06			160	-3.80	90.6	2.58	0.00	21.10
KAR06			200	-7.83	91.9	3.71	0.00	22.80
KAR07	5 265	5 267						
KAR07			20	26.97	63.9	0.00	5.60	7.60
KAR07			25	24.06	67.8	0.11	5.40	8.30
KAR07			32	23.11	73.3	0.16	5.20	9.20
KAR07			40	20.51	76.9	0.26	5.00	10.30
KAR07			50	19.60	82.0	0.37	4.70	11.50
KAR07			63	14.79	83.3	0.58	4.30	13.00
KAR07			80	11.23	86.1	0.84	3.70	14.80
KAR07			100	9.35	90.8	1.32	3.00	16.80
KAR07			125	0.97	89.3	2.00	1.80	18.80
KAR07			160	-5.53	90.6	3.00	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			200	-9.75	91.9	4.32	0.00	22.80
KAR08	6 039	6 041						
KAR08			20	25.78	63.9	0.00	5.60	7.60
KAR08			25	22.86	67.8	0.12	5.40	8.30
KAR08			32	21.90	73.3	0.18	5.20	9.20
KAR08			40	19.28	76.9	0.30	5.00	10.30
KAR08			50	18.35	82.0	0.42	4.70	11.50
KAR08			63	13.51	83.3	0.66	4.30	13.00
KAR08			80	9.91	86.1	0.97	3.70	14.80
KAR08			100	7.97	90.8	1.51	3.00	16.80
KAR08			125	-0.52	89.3	2.30	1.80	18.80
KAR08			160	-7.17	90.6	3.44	0.00	21.10
KAR08			200	-11.58	91.9	4.95	0.00	22.80
KAR09	3 767	3 770						
KAR09			20	29.87	63.9	0.00	5.60	7.60
KAR09			25	27.00	67.8	0.08	5.40	8.30
KAR09			32	26.06	73.3	0.11	5.20	9.20
KAR09			40	23.48	76.9	0.19	5.00	10.30
KAR09			50	22.61	82.0	0.26	4.70	11.50
KAR09			63	17.86	83.3	0.41	4.30	13.00
KAR09			80	14.37	86.1	0.60	3.70	14.80
KAR09			100	12.63	90.8	0.94	3.00	16.80
KAR09			125	4.44	89.3	1.43	1.80	18.80
KAR09			160	-1.78	90.6	2.15	0.00	21.10
KAR09			200	-5.62	91.9	3.09	0.00	22.80
KAR10	4 224	4 227						
KAR10			20	28.88	63.9	0.00	5.60	7.60
KAR10			25	25.99	67.8	0.08	5.40	8.30
KAR10			32	25.05	73.3	0.13	5.20	9.20
KAR10			40	22.47	76.9	0.21	5.00	10.30
KAR10			50	21.58	82.0	0.30	4.70	11.50
KAR10			63	16.81	83.3	0.47	4.30	13.00
KAR10			80	13.30	86.1	0.68	3.70	14.80
KAR10			100	11.52	90.8	1.06	3.00	16.80
KAR10			125	3.27	89.3	1.61	1.80	18.80
KAR10			160	-3.03	90.6	2.41	0.00	21.10
KAR10			200	-6.99	91.9	3.47	0.00	22.80
KAR11	5 215	5 218						
KAR11			20	27.05	63.9	0.00	5.60	7.60
KAR11			25	24.15	67.8	0.10	5.40	8.30
KAR11			32	23.19	73.3	0.16	5.20	9.20
KAR11			40	20.59	76.9	0.26	5.00	10.30
KAR11			50	19.69	82.0	0.37	4.70	11.50
KAR11			63	14.88	83.3	0.57	4.30	13.00
KAR11			80	11.32	86.1	0.83	3.70	14.80
KAR11			100	9.45	90.8	1.30	3.00	16.80
KAR11			125	1.07	89.3	1.98	1.80	18.80
KAR11			160	-5.42	90.6	2.97	0.00	21.10
KAR11			200	-9.63	91.9	4.28	0.00	22.80
KAR12	4 901	4 904						
KAR12			20	27.59	63.9	0.00	5.60	7.60
KAR12			25	24.69	67.8	0.10	5.40	8.30
KAR12			32	23.74	73.3	0.15	5.20	9.20
KAR12			40	21.14	76.9	0.25	5.00	10.30
KAR12			50	20.25	82.0	0.34	4.70	11.50
KAR12			63	15.45	83.3	0.54	4.30	13.00
KAR12			80	11.90	86.1	0.78	3.70	14.80
KAR12			100	10.06	90.8	1.23	3.00	16.80
KAR12			125	1.73	89.3	1.86	1.80	18.80
KAR12			160	-4.71	90.6	2.80	0.00	21.10
KAR12			200	-8.83	91.9	4.02	0.00	22.80
KAR13	5 777	5 779						
KAR13			20	26.16	63.9	0.00	5.60	7.60
KAR13			25	23.25	67.8	0.12	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			32	22.29	73.3	0.17	5.20	9.20
KAR13			40	19.67	76.9	0.29	5.00	10.30
KAR13			50	18.76	82.0	0.40	4.70	11.50
KAR13			63	13.93	83.3	0.64	4.30	13.00
KAR13			80	10.34	86.1	0.92	3.70	14.80
KAR13			100	8.42	90.8	1.44	3.00	16.80
KAR13			125	-0.03	89.3	2.20	1.80	18.80
KAR13			160	-6.63	90.6	3.29	0.00	21.10
KAR13			200	-10.98	91.9	4.74	0.00	22.80
KAR14	4 674	4 677						
KAR14			20	28.00	63.9	0.00	5.60	7.60
KAR14			25	25.11	67.8	0.09	5.40	8.30
KAR14			32	24.16	73.3	0.14	5.20	9.20
KAR14			40	21.57	76.9	0.23	5.00	10.30
KAR14			50	20.67	82.0	0.33	4.70	11.50
KAR14			63	15.89	83.3	0.51	4.30	13.00
KAR14			80	12.35	86.1	0.75	3.70	14.80
KAR14			100	10.53	90.8	1.17	3.00	16.80
KAR14			125	2.22	89.3	1.78	1.80	18.80
KAR14			160	-4.17	90.6	2.67	0.00	21.10
KAR14			200	-8.24	91.9	3.84	0.00	22.80
KAR15	6 328	6 330						
KAR15			20	25.37	63.9	0.00	5.60	7.60
KAR15			25	22.45	67.8	0.13	5.40	8.30
KAR15			32	21.48	73.3	0.19	5.20	9.20
KAR15			40	18.86	76.9	0.32	5.00	10.30
KAR15			50	17.93	82.0	0.44	4.70	11.50
KAR15			63	13.08	83.3	0.70	4.30	13.00
KAR15			80	9.46	86.1	1.01	3.70	14.80
KAR15			100	7.49	90.8	1.58	3.00	16.80
KAR15			125	-1.03	89.3	2.41	1.80	18.80
KAR15			160	-7.74	90.6	3.61	0.00	21.10
KAR15			200	-12.22	91.9	5.19	0.00	22.80
KAR16	5 380	5 383						
KAR16			20	26.78	63.9	0.00	5.60	7.60
KAR16			25	23.87	67.8	0.11	5.40	8.30
KAR16			32	22.92	73.3	0.16	5.20	9.20
KAR16			40	20.31	76.9	0.27	5.00	10.30
KAR16			50	19.40	82.0	0.38	4.70	11.50
KAR16			63	14.59	83.3	0.59	4.30	13.00
KAR16			80	11.02	86.1	0.86	3.70	14.80
KAR16			100	9.13	90.8	1.35	3.00	16.80
KAR16			125	0.73	89.3	2.05	1.80	18.80
KAR16			160	-5.79	90.6	3.07	0.00	21.10
KAR16			200	-10.03	91.9	4.41	0.00	22.80
KAR17	5 891	5 893						
KAR17			20	25.99	63.9	0.00	5.60	7.60
KAR17			25	23.07	67.8	0.12	5.40	8.30
KAR17			32	22.12	73.3	0.18	5.20	9.20
KAR17			40	19.50	76.9	0.29	5.00	10.30
KAR17			50	18.58	82.0	0.41	4.70	11.50
KAR17			63	13.74	83.3	0.65	4.30	13.00
KAR17			80	10.15	86.1	0.94	3.70	14.80
KAR17			100	8.22	90.8	1.47	3.00	16.80
KAR17			125	-0.25	89.3	2.24	1.80	18.80
KAR17			160	-6.87	90.6	3.36	0.00	21.10
KAR17			200	-11.24	91.9	4.83	0.00	22.80
KAR18	5 161	5 164						
KAR18			20	27.14	63.9	0.00	5.60	7.60
KAR18			25	24.24	67.8	0.10	5.40	8.30
KAR18			32	23.29	73.3	0.15	5.20	9.20
KAR18			40	20.68	76.9	0.26	5.00	10.30
KAR18			50	19.78	82.0	0.36	4.70	11.50
KAR18			63	14.97	83.3	0.57	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR18			80	11.41	86.1	0.83	3.70	14.80
KAR18			100	9.55	90.8	1.29	3.00	16.80
KAR18			125	1.18	89.3	1.96	1.80	18.80
KAR18			160	-5.30	90.6	2.94	0.00	21.10
KAR18			200	-9.49	91.9	4.23	0.00	22.80
KAR19	6 995	6 997						
KAR19			20	24.50	63.9	0.00	5.60	7.60
KAR19			25	21.56	67.8	0.14	5.40	8.30
KAR19			32	20.59	73.3	0.21	5.20	9.20
KAR19			40	17.95	76.9	0.35	5.00	10.30
KAR19			50	17.01	82.0	0.49	4.70	11.50
KAR19			63	12.13	83.3	0.77	4.30	13.00
KAR19			80	8.48	86.1	1.12	3.70	14.80
KAR19			100	6.45	90.8	1.75	3.00	16.80
KAR19			125	-2.16	89.3	2.66	1.80	18.80
KAR19			160	-8.99	90.6	3.99	0.00	21.10
KAR19			200	-13.64	91.9	5.74	0.00	22.80
KAR20	6 063	6 065						
KAR20			20	25.74	63.9	0.00	5.60	7.60
KAR20			25	22.82	67.8	0.12	5.40	8.30
KAR20			32	21.86	73.3	0.18	5.20	9.20
KAR20			40	19.24	76.9	0.30	5.00	10.30
KAR20			50	18.32	82.0	0.42	4.70	11.50
KAR20			63	13.48	83.3	0.67	4.30	13.00
KAR20			80	9.87	86.1	0.97	3.70	14.80
KAR20			100	7.93	90.8	1.52	3.00	16.80
KAR20			125	-0.56	89.3	2.30	1.80	18.80
KAR20			160	-7.21	90.6	3.46	0.00	21.10
KAR20			200	-11.63	91.9	4.97	0.00	22.80
KAR21	6 559	6 561						
KAR21			20	25.06	63.9	0.00	5.60	7.60
KAR21			25	22.13	67.8	0.13	5.40	8.30
KAR21			32	21.16	73.3	0.20	5.20	9.20
KAR21			40	18.53	76.9	0.33	5.00	10.30
KAR21			50	17.60	82.0	0.46	4.70	11.50
KAR21			63	12.74	83.3	0.72	4.30	13.00
KAR21			80	9.11	86.1	1.05	3.70	14.80
KAR21			100	7.12	90.8	1.64	3.00	16.80
KAR21			125	-1.43	89.3	2.49	1.80	18.80
KAR21			160	-8.18	90.6	3.74	0.00	21.10
KAR21			200	-12.72	91.9	5.38	0.00	22.80
KAR22	7 055	7 057						
KAR22			20	24.43	63.9	0.00	5.60	7.60
KAR22			25	21.49	67.8	0.14	5.40	8.30
KAR22			32	20.52	73.3	0.21	5.20	9.20
KAR22			40	17.87	76.9	0.35	5.00	10.30
KAR22			50	16.93	82.0	0.49	4.70	11.50
KAR22			63	12.05	83.3	0.78	4.30	13.00
KAR22			80	8.40	86.1	1.13	3.70	14.80
KAR22			100	6.36	90.8	1.76	3.00	16.80
KAR22			125	-2.25	89.3	2.68	1.80	18.80
KAR22			160	-9.10	90.6	4.02	0.00	21.10
KAR22			200	-13.76	91.9	5.79	0.00	22.80
KAR23	7 274	7 276						
KAR23			20	24.16	63.9	0.00	5.60	7.60
KAR23			25	21.22	67.8	0.15	5.40	8.30
KAR23			32	20.24	73.3	0.22	5.20	9.20
KAR23			40	17.60	76.9	0.36	5.00	10.30
KAR23			50	16.65	82.0	0.51	4.70	11.50
KAR23			63	11.76	83.3	0.80	4.30	13.00
KAR23			80	8.10	86.1	1.16	3.70	14.80
KAR23			100	6.04	90.8	1.82	3.00	16.80
KAR23			125	-2.60	89.3	2.76	1.80	18.80
KAR23			160	-9.48	90.6	4.15	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			200	-14.20	91.9	5.97	0.00	22.80
KAR24	2 731	2 735						
KAR24			20	32.66	63.9	0.00	5.60	7.60
KAR24			25	29.81	67.8	0.05	5.40	8.30
KAR24			32	28.88	73.3	0.08	5.20	9.20
KAR24			40	26.32	76.9	0.14	5.00	10.30
KAR24			50	25.47	82.0	0.19	4.70	11.50
KAR24			63	20.76	83.3	0.30	4.30	13.00
KAR24			80	17.32	86.1	0.44	3.70	14.80
KAR24			100	15.68	90.8	0.68	3.00	16.80
KAR24			125	7.62	89.3	1.04	1.80	18.80
KAR24			160	1.60	90.6	1.56	0.00	21.10
KAR24			200	-1.98	91.9	2.24	0.00	22.80
KAR25	4 131	4 134						
KAR25			20	29.07	63.9	0.00	5.60	7.60
KAR25			25	26.19	67.8	0.08	5.40	8.30
KAR25			32	25.25	73.3	0.12	5.20	9.20
KAR25			40	22.67	76.9	0.21	5.00	10.30
KAR25			50	21.78	82.0	0.29	4.70	11.50
KAR25			63	17.02	83.3	0.45	4.30	13.00
KAR25			80	13.51	86.1	0.66	3.70	14.80
KAR25			100	11.74	90.8	1.03	3.00	16.80
KAR25			125	3.50	89.3	1.57	1.80	18.80
KAR25			160	-2.78	90.6	2.36	0.00	21.10
KAR25			200	-6.72	91.9	3.39	0.00	22.80
MAA01	6 846	6 847						
MAA01			20	24.69	63.9	0.00	5.60	7.60
MAA01			25	21.75	67.8	0.14	5.40	8.30
MAA01			32	20.79	73.3	0.21	5.20	9.20
MAA01			40	18.15	76.9	0.34	5.00	10.30
MAA01			50	17.21	82.0	0.48	4.70	11.50
MAA01			63	12.34	83.3	0.75	4.30	13.00
MAA01			80	8.69	86.1	1.10	3.70	14.80
MAA01			100	6.68	90.8	1.71	3.00	16.80
MAA01			125	-1.91	89.3	2.60	1.80	18.80
MAA01			160	-8.71	90.6	3.90	0.00	21.10
MAA01			200	-13.32	91.9	5.61	0.00	22.80
MAA03	7 511	7 511						
MAA03			20	23.89	63.9	0.00	5.60	7.60
MAA03			25	20.94	67.8	0.15	5.40	8.30
MAA03			32	19.96	73.3	0.23	5.20	9.20
MAA03			40	17.31	76.9	0.38	5.00	10.30
MAA03			50	16.36	82.0	0.53	4.70	11.50
MAA03			63	11.46	83.3	0.83	4.30	13.00
MAA03			80	7.78	86.1	1.20	3.70	14.80
MAA03			100	5.71	90.8	1.88	3.00	16.80
MAA03			125	-2.97	89.3	2.85	1.80	18.80
MAA03			160	-9.90	90.6	4.28	0.00	21.10
MAA03			200	-14.67	91.9	6.16	0.00	22.80
MAA04	7 526	7 527						
MAA04			20	23.87	63.9	0.00	5.60	7.60
MAA04			25	20.92	67.8	0.15	5.40	8.30
MAA04			32	19.94	73.3	0.23	5.20	9.20
MAA04			40	17.29	76.9	0.38	5.00	10.30
MAA04			50	16.34	82.0	0.53	4.70	11.50
MAA04			63	11.44	83.3	0.83	4.30	13.00
MAA04			80	7.76	86.1	1.20	3.70	14.80
MAA04			100	5.69	90.8	1.88	3.00	16.80
MAA04			125	-2.99	89.3	2.86	1.80	18.80
MAA04			160	-9.92	90.6	4.29	0.00	21.10
MAA04			200	-14.71	91.9	6.17	0.00	22.80
MAA05	8 104	8 105						
MAA05			20	23.22	63.9	0.00	5.60	7.60
MAA05			25	20.26	67.8	0.16	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			32	19.28	73.3	0.24	5.20	9.20
MAA05			40	16.62	76.9	0.41	5.00	10.30
MAA05			50	15.66	82.0	0.57	4.70	11.50
MAA05			63	10.73	83.3	0.89	4.30	13.00
MAA05			80	7.03	86.1	1.30	3.70	14.80
MAA05			100	4.90	90.8	2.03	3.00	16.80
MAA05			125	-3.86	89.3	3.08	1.80	18.80
MAA05			160	-10.90	90.6	4.62	0.00	21.10
MAA05			200	-15.82	91.9	6.65	0.00	22.80
MAA06	8 955	8 955						
MAA06			20	22.36	63.9	0.00	5.60	7.60
MAA06			25	19.38	67.8	0.18	5.40	8.30
MAA06			32	18.39	73.3	0.27	5.20	9.20
MAA06			40	15.71	76.9	0.45	5.00	10.30
MAA06			50	14.73	82.0	0.63	4.70	11.50
MAA06			63	9.77	83.3	0.99	4.30	13.00
MAA06			80	6.03	86.1	1.43	3.70	14.80
MAA06			100	3.82	90.8	2.24	3.00	16.80
MAA06			125	-5.04	89.3	3.40	1.80	18.80
MAA06			160	-12.25	90.6	5.10	0.00	21.10
MAA06			200	-17.39	91.9	7.34	0.00	22.80
MAA07	9 201	9 202						
MAA07			20	22.12	63.9	0.00	5.60	7.60
MAA07			25	19.14	67.8	0.18	5.40	8.30
MAA07			32	18.15	73.3	0.28	5.20	9.20
MAA07			40	15.46	76.9	0.46	5.00	10.30
MAA07			50	14.48	82.0	0.64	4.70	11.50
MAA07			63	9.51	83.3	1.01	4.30	13.00
MAA07			80	5.75	86.1	1.47	3.70	14.80
MAA07			100	3.52	90.8	2.30	3.00	16.80
MAA07			125	-5.37	89.3	3.50	1.80	18.80
MAA07			160	-12.62	90.6	5.24	0.00	21.10
MAA07			200	-17.82	91.9	7.55	0.00	22.80
MAA08	9 350	9 350						
MAA08			20	21.98	63.9	0.00	5.60	7.60
MAA08			25	19.00	67.8	0.19	5.40	8.30
MAA08			32	18.00	73.3	0.28	5.20	9.20
MAA08			40	15.32	76.9	0.47	5.00	10.30
MAA08			50	14.33	82.0	0.65	4.70	11.50
MAA08			63	9.35	83.3	1.03	4.30	13.00
MAA08			80	5.59	86.1	1.50	3.70	14.80
MAA08			100	3.35	90.8	2.34	3.00	16.80
MAA08			125	-5.57	89.3	3.55	1.80	18.80
MAA08			160	-12.85	90.6	5.33	0.00	21.10
MAA08			200	-18.08	91.9	7.67	0.00	22.80
RAH01	7 487	7 488						
RAH01			20	22.06	62.0	0.00	5.60	7.60
RAH01			25	20.41	67.2	0.15	5.40	8.30
RAH01			32	18.74	72.0	0.22	5.20	9.20
RAH01			40	17.26	76.8	0.37	5.00	10.30
RAH01			50	15.61	81.2	0.52	4.70	11.50
RAH01			63	13.21	85.0	0.82	4.30	13.00
RAH01			80	10.04	88.3	1.20	3.70	14.80
RAH01			100	6.04	91.1	1.87	3.00	16.80
RAH01			125	1.07	93.3	2.85	1.80	18.80
RAH01			160	-5.48	95.0	4.27	0.00	21.10
RAH01			200	-10.43	96.1	6.14	0.00	22.80
RAH02	8 086	8 086						
RAH02			20	21.39	62.0	0.00	5.60	7.60
RAH02			25	19.73	67.2	0.16	5.40	8.30
RAH02			32	18.05	72.0	0.24	5.20	9.20
RAH02			40	16.56	76.8	0.40	5.00	10.30
RAH02			50	14.90	81.2	0.57	4.70	11.50
RAH02			63	12.48	85.0	0.89	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH02			80	9.28	88.3	1.29	3.70	14.80
RAH02			100	5.22	91.1	2.02	3.00	16.80
RAH02			125	0.17	93.3	3.07	1.80	18.80
RAH02			160	-6.49	95.0	4.61	0.00	21.10
RAH02			200	-11.59	96.1	6.63	0.00	22.80
RAH03	7 279	7 280						
RAH03			20	22.31	62.0	0.00	5.60	7.60
RAH03			25	20.66	67.2	0.15	5.40	8.30
RAH03			32	18.99	72.0	0.22	5.20	9.20
RAH03			40	17.52	76.8	0.36	5.00	10.30
RAH03			50	15.87	81.2	0.51	4.70	11.50
RAH03			63	13.48	85.0	0.80	4.30	13.00
RAH03			80	10.32	88.3	1.16	3.70	14.80
RAH03			100	6.34	91.1	1.82	3.00	16.80
RAH03			125	1.39	93.3	2.77	1.80	18.80
RAH03			160	-5.12	95.0	4.15	0.00	21.10
RAH03			200	-10.01	96.1	5.97	0.00	22.80
RAH04	8 505	8 506						
RAH04			20	20.95	62.0	0.00	5.60	7.60
RAH04			25	19.28	67.2	0.17	5.40	8.30
RAH04			32	17.60	72.0	0.26	5.20	9.20
RAH04			40	16.10	76.8	0.43	5.00	10.30
RAH04			50	14.43	81.2	0.60	4.70	11.50
RAH04			63	11.99	85.0	0.94	4.30	13.00
RAH04			80	8.77	88.3	1.36	3.70	14.80
RAH04			100	4.68	91.1	2.13	3.00	16.80
RAH04			125	-0.43	93.3	3.23	1.80	18.80
RAH04			160	-7.17	95.0	4.85	0.00	21.10
RAH04			200	-12.37	96.1	6.97	0.00	22.80
RAH05	7 821	7 822						
RAH05			20	21.68	62.0	0.00	5.60	7.60
RAH05			25	20.03	67.2	0.16	5.40	8.30
RAH05			32	18.35	72.0	0.23	5.20	9.20
RAH05			40	16.87	76.8	0.39	5.00	10.30
RAH05			50	15.21	81.2	0.55	4.70	11.50
RAH05			63	12.80	85.0	0.86	4.30	13.00
RAH05			80	9.61	88.3	1.25	3.70	14.80
RAH05			100	5.58	91.1	1.96	3.00	16.80
RAH05			125	0.56	93.3	2.97	1.80	18.80
RAH05			160	-6.05	95.0	4.46	0.00	21.10
RAH05			200	-11.08	96.1	6.41	0.00	22.80
RAH06	8 414	8 415						
RAH06			20	21.05	62.0	0.00	5.60	7.60
RAH06			25	19.38	67.2	0.17	5.40	8.30
RAH06			32	17.69	72.0	0.25	5.20	9.20
RAH06			40	16.20	76.8	0.42	5.00	10.30
RAH06			50	14.53	81.2	0.59	4.70	11.50
RAH06			63	12.10	85.0	0.93	4.30	13.00
RAH06			80	8.88	88.3	1.35	3.70	14.80
RAH06			100	4.79	91.1	2.10	3.00	16.80
RAH06			125	-0.30	93.3	3.20	1.80	18.80
RAH06			160	-7.02	95.0	4.80	0.00	21.10
RAH06			200	-12.20	96.1	6.90	0.00	22.80
RAH07	10 105	10 105						
RAH07			20	19.46	62.0	0.00	5.60	7.60
RAH07			25	17.76	67.2	0.20	5.40	8.30
RAH07			32	16.05	72.0	0.30	5.20	9.20
RAH07			40	14.53	76.8	0.51	5.00	10.30
RAH07			50	12.83	81.2	0.71	4.70	11.50
RAH07			63	10.32	85.0	1.11	4.30	13.00
RAH07			80	7.02	88.3	1.62	3.70	14.80
RAH07			100	2.78	91.1	2.53	3.00	16.80
RAH07			125	-2.53	93.3	3.84	1.80	18.80
RAH07			160	-9.58	95.0	5.76	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			200	-15.18	96.1	8.29	0.00	22.80
RAH08	9 964	9 965						
RAH08			20	19.58	62.0	0.00	5.60	7.60
RAH08			25	17.88	67.2	0.20	5.40	8.30
RAH08			32	16.18	72.0	0.30	5.20	9.20
RAH08			40	14.66	76.8	0.50	5.00	10.30
RAH08			50	12.96	81.2	0.70	4.70	11.50
RAH08			63	10.46	85.0	1.10	4.30	13.00
RAH08			80	7.16	88.3	1.59	3.70	14.80
RAH08			100	2.94	91.1	2.49	3.00	16.80
RAH08			125	-2.36	93.3	3.79	1.80	18.80
RAH08			160	-9.37	95.0	5.68	0.00	21.10
RAH08			200	-14.94	96.1	8.17	0.00	22.80
RAH09	9 288	9 289						
RAH09			20	20.19	62.0	0.00	5.60	7.60
RAH09			25	18.50	67.2	0.19	5.40	8.30
RAH09			32	16.81	72.0	0.28	5.20	9.20
RAH09			40	15.30	76.8	0.46	5.00	10.30
RAH09			50	13.61	81.2	0.65	4.70	11.50
RAH09			63	11.14	85.0	1.02	4.30	13.00
RAH09			80	7.88	88.3	1.49	3.70	14.80
RAH09			100	3.72	91.1	2.32	3.00	16.80
RAH09			125	-1.49	93.3	3.53	1.80	18.80
RAH09			160	-8.38	95.0	5.29	0.00	21.10
RAH09			200	-13.78	96.1	7.62	0.00	22.80
RAH10	9 342	9 343						
RAH10			20	20.14	62.0	0.00	5.60	7.60
RAH10			25	18.45	67.2	0.19	5.40	8.30
RAH10			32	16.76	72.0	0.28	5.20	9.20
RAH10			40	15.25	76.8	0.47	5.00	10.30
RAH10			50	13.56	81.2	0.65	4.70	11.50
RAH10			63	11.09	85.0	1.03	4.30	13.00
RAH10			80	7.82	88.3	1.49	3.70	14.80
RAH10			100	3.65	91.1	2.34	3.00	16.80
RAH10			125	-1.56	93.3	3.55	1.80	18.80
RAH10			160	-8.46	95.0	5.33	0.00	21.10
RAH10			200	-13.87	96.1	7.66	0.00	22.80
RAH11	6 572	6 573						
RAH11			20	23.19	62.0	0.00	5.60	7.60
RAH11			25	21.56	67.2	0.13	5.40	8.30
RAH11			32	19.90	72.0	0.20	5.20	9.20
RAH11			40	18.44	76.8	0.33	5.00	10.30
RAH11			50	16.81	81.2	0.46	4.70	11.50
RAH11			63	14.45	85.0	0.72	4.30	13.00
RAH11			80	11.32	88.3	1.05	3.70	14.80
RAH11			100	7.40	91.1	1.64	3.00	16.80
RAH11			125	2.55	93.3	2.50	1.80	18.80
RAH11			160	-3.83	95.0	3.75	0.00	21.10
RAH11			200	-8.55	96.1	5.39	0.00	22.80
RAH12	6 848	6 849						
RAH12			20	22.84	62.0	0.00	5.60	7.60
RAH12			25	21.20	67.2	0.14	5.40	8.30
RAH12			32	19.53	72.0	0.21	5.20	9.20
RAH12			40	18.07	76.8	0.34	5.00	10.30
RAH12			50	16.43	81.2	0.48	4.70	11.50
RAH12			63	14.06	85.0	0.75	4.30	13.00
RAH12			80	10.92	88.3	1.10	3.70	14.80
RAH12			100	6.98	91.1	1.71	3.00	16.80
RAH12			125	2.08	93.3	2.60	1.80	18.80
RAH12			160	-4.34	95.0	3.90	0.00	21.10
RAH12			200	-9.13	96.1	5.62	0.00	22.80
RAH13	6 018	6 019						
RAH13			20	23.96	62.0	0.00	5.60	7.60
RAH13			25	22.34	67.2	0.12	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			32	20.68	72.0	0.18	5.20	9.20
RAH13			40	19.23	76.8	0.30	5.00	10.30
RAH13			50	17.61	81.2	0.42	4.70	11.50
RAH13			63	15.27	85.0	0.66	4.30	13.00
RAH13			80	12.17	88.3	0.96	3.70	14.80
RAH13			100	8.30	91.1	1.50	3.00	16.80
RAH13			125	3.52	93.3	2.29	1.80	18.80
RAH13			160	-2.75	95.0	3.43	0.00	21.10
RAH13			200	-7.33	96.1	4.94	0.00	22.80
RAH14	5 724	5 725						
RAH14			20	24.39	62.0	0.00	5.60	7.60
RAH14			25	22.78	67.2	0.11	5.40	8.30
RAH14			32	21.12	72.0	0.17	5.20	9.20
RAH14			40	19.68	76.8	0.29	5.00	10.30
RAH14			50	18.07	81.2	0.40	4.70	11.50
RAH14			63	15.74	85.0	0.63	4.30	13.00
RAH14			80	12.65	88.3	0.92	3.70	14.80
RAH14			100	8.81	91.1	1.43	3.00	16.80
RAH14			125	4.07	93.3	2.18	1.80	18.80
RAH14			160	-2.14	95.0	3.26	0.00	21.10
RAH14			200	-6.65	96.1	4.69	0.00	22.80
RAH15	5 050	5 052						
RAH15			20	25.48	62.0	0.00	5.60	7.60
RAH15			25	23.88	67.2	0.10	5.40	8.30
RAH15			32	22.23	72.0	0.15	5.20	9.20
RAH15			40	20.80	76.8	0.25	5.00	10.30
RAH15			50	19.20	81.2	0.35	4.70	11.50
RAH15			63	16.90	85.0	0.56	4.30	13.00
RAH15			80	13.85	88.3	0.81	3.70	14.80
RAH15			100	10.07	91.1	1.26	3.00	16.80
RAH15			125	5.41	93.3	1.92	1.80	18.80
RAH15			160	-0.67	95.0	2.88	0.00	21.10
RAH15			200	-5.01	96.1	4.14	0.00	22.80
RAH16	5 916	5 917						
RAH16			20	24.11	62.0	0.00	5.60	7.60
RAH16			25	22.49	67.2	0.12	5.40	8.30
RAH16			32	20.83	72.0	0.18	5.20	9.20
RAH16			40	19.39	76.8	0.30	5.00	10.30
RAH16			50	17.77	81.2	0.41	4.70	11.50
RAH16			63	15.43	85.0	0.65	4.30	13.00
RAH16			80	12.34	88.3	0.95	3.70	14.80
RAH16			100	8.48	91.1	1.48	3.00	16.80
RAH16			125	3.71	93.3	2.25	1.80	18.80
RAH16			160	-2.54	95.0	3.37	0.00	21.10
RAH16			200	-7.09	96.1	4.85	0.00	22.80
RAH17	4 011	4 013						
RAH17			20	27.48	62.0	0.00	5.60	7.60
RAH17			25	25.90	67.2	0.08	5.40	8.30
RAH17			32	24.26	72.0	0.12	5.20	9.20
RAH17			40	22.85	76.8	0.20	5.00	10.30
RAH17			50	21.27	81.2	0.28	4.70	11.50
RAH17			63	19.01	85.0	0.44	4.30	13.00
RAH17			80	16.01	88.3	0.64	3.70	14.80
RAH17			100	12.33	91.1	1.00	3.00	16.80
RAH17			125	7.80	93.3	1.53	1.80	18.80
RAH17			160	1.92	95.0	2.29	0.00	21.10
RAH17			200	-2.16	96.1	3.29	0.00	22.80
RAH18	4 255	4 258						
RAH18			20	26.96	62.0	0.00	5.60	7.60
RAH18			25	25.38	67.2	0.09	5.40	8.30
RAH18			32	23.74	72.0	0.13	5.20	9.20
RAH18			40	22.33	76.8	0.21	5.00	10.30
RAH18			50	20.74	81.2	0.30	4.70	11.50
RAH18			63	18.47	85.0	0.47	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH18			80	15.46	88.3	0.68	3.70	14.80
RAH18			100	11.75	91.1	1.06	3.00	16.80
RAH18			125	7.20	93.3	1.62	1.80	18.80
RAH18			160	1.26	95.0	2.43	0.00	21.10
RAH18			200	-2.88	96.1	3.49	0.00	22.80
RAH19	3 261	3 264						
RAH19			20	29.27	62.0	0.00	5.60	7.60
RAH19			25	27.71	67.2	0.07	5.40	8.30
RAH19			32	26.07	72.0	0.10	5.20	9.20
RAH19			40	24.69	76.8	0.16	5.00	10.30
RAH19			50	23.12	81.2	0.23	4.70	11.50
RAH19			63	20.89	85.0	0.36	4.30	13.00
RAH19			80	17.93	88.3	0.52	3.70	14.80
RAH19			100	14.31	91.1	0.82	3.00	16.80
RAH19			125	9.88	93.3	1.24	1.80	18.80
RAH19			160	4.14	95.0	1.86	0.00	21.10
RAH19			200	0.25	96.1	2.68	0.00	22.80
SIL01	5 959	5 961						
SIL01			20	25.32	63.3	0.00	5.60	7.60
SIL01			25	23.59	68.4	0.12	5.40	8.30
SIL01			32	17.64	68.9	0.18	5.20	9.20
SIL01			40	14.62	72.1	0.30	5.00	10.30
SIL01			50	13.30	76.8	0.42	4.70	11.50
SIL01			63	10.14	79.8	0.66	4.30	13.00
SIL01			80	6.55	82.6	0.95	3.70	14.80
SIL01			100	3.33	86.0	1.49	3.00	16.80
SIL01			125	-0.38	89.3	2.27	1.80	18.80
SIL01			160	-9.42	88.2	3.40	0.00	21.10
SIL01			200	-13.31	90.0	4.89	0.00	22.80
SIL02	5 156	5 158						
SIL02			20	26.57	63.3	0.00	5.60	7.60
SIL02			25	24.86	68.4	0.10	5.40	8.30
SIL02			32	18.92	68.9	0.15	5.20	9.20
SIL02			40	15.92	72.1	0.26	5.00	10.30
SIL02			50	14.61	76.8	0.36	4.70	11.50
SIL02			63	11.49	79.8	0.57	4.30	13.00
SIL02			80	7.94	82.6	0.83	3.70	14.80
SIL02			100	4.79	86.0	1.29	3.00	16.80
SIL02			125	1.18	89.3	1.96	1.80	18.80
SIL02			160	-7.71	88.2	2.94	0.00	21.10
SIL02			200	-11.39	90.0	4.23	0.00	22.80
SIL03	4 348	4 350						
SIL03			20	28.05	63.3	0.00	5.60	7.60
SIL03			25	26.36	68.4	0.09	5.40	8.30
SIL03			32	20.43	68.9	0.13	5.20	9.20
SIL03			40	17.44	72.1	0.22	5.00	10.30
SIL03			50	16.15	76.8	0.30	4.70	11.50
SIL03			63	13.06	79.8	0.48	4.30	13.00
SIL03			80	9.55	82.6	0.70	3.70	14.80
SIL03			100	6.47	86.0	1.09	3.00	16.80
SIL03			125	2.96	89.3	1.65	1.80	18.80
SIL03			160	-5.77	88.2	2.48	0.00	21.10
SIL03			200	-9.25	90.0	3.57	0.00	22.80
SIL04	4 749	4 751						
SIL04			20	27.29	63.3	0.00	5.60	7.60
SIL04			25	25.59	68.4	0.10	5.40	8.30
SIL04			32	19.65	68.9	0.14	5.20	9.20
SIL04			40	16.65	72.1	0.24	5.00	10.30
SIL04			50	15.36	76.8	0.33	4.70	11.50
SIL04			63	12.25	79.8	0.52	4.30	13.00
SIL04			80	8.72	82.6	0.76	3.70	14.80
SIL04			100	5.61	86.0	1.19	3.00	16.80
SIL04			125	2.05	89.3	1.81	1.80	18.80
SIL04			160	-6.76	88.2	2.71	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			200	-10.34	90.0	3.90	0.00	22.80
SIL05	6 103	6 104						
SIL05			20	25.11	63.3	0.00	5.60	7.60
SIL05			25	23.38	68.4	0.12	5.40	8.30
SIL05			32	17.43	68.9	0.18	5.20	9.20
SIL05			40	14.41	72.1	0.31	5.00	10.30
SIL05			50	13.08	76.8	0.43	4.70	11.50
SIL05			63	9.92	79.8	0.67	4.30	13.00
SIL05			80	6.32	82.6	0.98	3.70	14.80
SIL05			100	3.09	86.0	1.53	3.00	16.80
SIL05			125	-0.64	89.3	2.32	1.80	18.80
SIL05			160	-9.71	88.2	3.48	0.00	21.10
SIL05			200	-13.63	90.0	5.01	0.00	22.80
SIL06	5 483	5 484						
SIL06			20	26.04	63.3	0.00	5.60	7.60
SIL06			25	24.33	68.4	0.11	5.40	8.30
SIL06			32	18.38	68.9	0.16	5.20	9.20
SIL06			40	15.37	72.1	0.27	5.00	10.30
SIL06			50	14.06	76.8	0.38	4.70	11.50
SIL06			63	10.92	79.8	0.60	4.30	13.00
SIL06			80	7.35	82.6	0.88	3.70	14.80
SIL06			100	4.18	86.0	1.37	3.00	16.80
SIL06			125	0.52	89.3	2.08	1.80	18.80
SIL06			160	-8.43	88.2	3.13	0.00	21.10
SIL06			200	-12.19	90.0	4.50	0.00	22.80
SIL07	5 161	5 162						
SIL07			20	26.57	63.3	0.00	5.60	7.60
SIL07			25	24.86	68.4	0.10	5.40	8.30
SIL07			32	18.92	68.9	0.15	5.20	9.20
SIL07			40	15.91	72.1	0.26	5.00	10.30
SIL07			50	14.61	76.8	0.36	4.70	11.50
SIL07			63	11.48	79.8	0.57	4.30	13.00
SIL07			80	7.93	82.6	0.83	3.70	14.80
SIL07			100	4.78	86.0	1.29	3.00	16.80
SIL07			125	1.17	89.3	1.96	1.80	18.80
SIL07			160	-7.72	88.2	2.94	0.00	21.10
SIL07			200	-11.40	90.0	4.23	0.00	22.80
SIL08	5 795	5 796						
SIL08			20	25.56	63.3	0.00	5.60	7.60
SIL08			25	23.84	68.4	0.12	5.40	8.30
SIL08			32	17.89	68.9	0.17	5.20	9.20
SIL08			40	14.87	72.1	0.29	5.00	10.30
SIL08			50	13.55	76.8	0.41	4.70	11.50
SIL08			63	10.40	79.8	0.64	4.30	13.00
SIL08			80	6.82	82.6	0.93	3.70	14.80
SIL08			100	3.62	86.0	1.45	3.00	16.80
SIL08			125	-0.08	89.3	2.20	1.80	18.80
SIL08			160	-9.08	88.2	3.30	0.00	21.10
SIL08			200	-12.93	90.0	4.75	0.00	22.80
Sum								
Sum			20	44.17				
Sum			25	41.71				
Sum			32	40.10				
Sum			40	37.76				
Sum			50	36.66				
Sum			63	32.68				
Sum			80	29.31				
Sum			100	26.78				
Sum			125	20.09				
Sum			160	13.65				
Sum			200	9.50				

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Noise sensitive area: AM Noise sensitive point: Finnish normal frequency - User defined (32)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	2 259	2 264						
KAR01			20	34.30	63.9	0.00	5.60	7.60
KAR01			25	31.46	67.8	0.05	5.40	8.30
KAR01			32	30.53	73.3	0.07	5.20	9.20
KAR01			40	27.99	76.9	0.11	5.00	10.30
KAR01			50	27.14	82.0	0.16	4.70	11.50
KAR01			63	22.45	83.3	0.25	4.30	13.00
KAR01			80	19.04	86.1	0.36	3.70	14.80
KAR01			100	17.43	90.8	0.57	3.00	16.80
KAR01			125	9.44	89.3	0.86	1.80	18.80
KAR01			160	3.51	90.6	1.29	0.00	21.10
KAR01			200	0.04	91.9	1.86	0.00	22.80
KAR02	3 421	3 424						
KAR02			20	30.71	63.9	0.00	5.60	7.60
KAR02			25	27.84	67.8	0.07	5.40	8.30
KAR02			32	26.91	73.3	0.10	5.20	9.20
KAR02			40	24.34	76.9	0.17	5.00	10.30
KAR02			50	23.47	82.0	0.24	4.70	11.50
KAR02			63	18.73	83.3	0.38	4.30	13.00
KAR02			80	15.26	86.1	0.55	3.70	14.80
KAR02			100	13.55	90.8	0.86	3.00	16.80
KAR02			125	5.41	89.3	1.30	1.80	18.80
KAR02			160	-0.74	90.6	1.95	0.00	21.10
KAR02			200	-4.50	91.9	2.81	0.00	22.80
KAR03	2 842	2 847						
KAR03			20	32.31	63.9	0.00	5.60	7.60
KAR03			25	29.46	67.8	0.06	5.40	8.30
KAR03			32	28.53	73.3	0.09	5.20	9.20
KAR03			40	25.97	76.9	0.14	5.00	10.30
KAR03			50	25.11	82.0	0.20	4.70	11.50
KAR03			63	20.40	83.3	0.31	4.30	13.00
KAR03			80	16.96	86.1	0.46	3.70	14.80
KAR03			100	15.30	90.8	0.71	3.00	16.80
KAR03			125	7.23	89.3	1.08	1.80	18.80
KAR03			160	1.19	90.6	1.62	0.00	21.10
KAR03			200	-2.42	91.9	2.33	0.00	22.80
KAR04	2 388	2 393						
KAR04			20	33.82	63.9	0.00	5.60	7.60
KAR04			25	30.97	67.8	0.05	5.40	8.30
KAR04			32	30.05	73.3	0.07	5.20	9.20
KAR04			40	27.50	76.9	0.12	5.00	10.30
KAR04			50	26.65	82.0	0.17	4.70	11.50
KAR04			63	21.96	83.3	0.26	4.30	13.00
KAR04			80	18.54	86.1	0.38	3.70	14.80
KAR04			100	16.92	90.8	0.60	3.00	16.80
KAR04			125	8.91	89.3	0.91	1.80	18.80
KAR04			160	2.96	90.6	1.36	0.00	21.10
KAR04			200	-0.54	91.9	1.96	0.00	22.80
KAR05	2 031	2 037						
KAR05			20	35.22	63.9	0.00	5.60	7.60
KAR05			25	32.38	67.8	0.04	5.40	8.30
KAR05			32	31.46	73.3	0.06	5.20	9.20
KAR05			40	28.92	76.9	0.10	5.00	10.30
KAR05			50	28.08	82.0	0.14	4.70	11.50
KAR05			63	23.40	83.3	0.22	4.30	13.00
KAR05			80	19.99	86.1	0.33	3.70	14.80
KAR05			100	18.41	90.8	0.51	3.00	16.80
KAR05			125	10.45	89.3	0.77	1.80	18.80
KAR05			160	4.56	90.6	1.16	0.00	21.10
KAR05			200	1.15	91.9	1.67	0.00	22.80
KAR06	3 333	3 337						
KAR06			20	30.93	63.9	0.00	5.60	7.60
KAR06			25	28.07	67.8	0.07	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			32	27.13	73.3	0.10	5.20	9.20
KAR06			40	24.57	76.9	0.17	5.00	10.30
KAR06			50	23.70	82.0	0.23	4.70	11.50
KAR06			63	18.97	83.3	0.37	4.30	13.00
KAR06			80	15.50	86.1	0.53	3.70	14.80
KAR06			100	13.80	90.8	0.83	3.00	16.80
KAR06			125	5.66	89.3	1.27	1.80	18.80
KAR06			160	-0.47	90.6	1.90	0.00	21.10
KAR06			200	-4.20	91.9	2.74	0.00	22.80
KAR07	4 090	4 092						
KAR07			20	29.16	63.9	0.00	5.60	7.60
KAR07			25	26.28	67.8	0.08	5.40	8.30
KAR07			32	25.34	73.3	0.12	5.20	9.20
KAR07			40	22.76	76.9	0.20	5.00	10.30
KAR07			50	21.87	82.0	0.29	4.70	11.50
KAR07			63	17.11	83.3	0.45	4.30	13.00
KAR07			80	13.61	86.1	0.65	3.70	14.80
KAR07			100	11.84	90.8	1.02	3.00	16.80
KAR07			125	3.61	89.3	1.56	1.80	18.80
KAR07			160	-2.67	90.6	2.33	0.00	21.10
KAR07			200	-6.60	91.9	3.36	0.00	22.80
KAR08	4 878	4 880						
KAR08			20	27.63	63.9	0.00	5.60	7.60
KAR08			25	24.73	67.8	0.10	5.40	8.30
KAR08			32	23.79	73.3	0.15	5.20	9.20
KAR08			40	21.19	76.9	0.24	5.00	10.30
KAR08			50	20.29	82.0	0.34	4.70	11.50
KAR08			63	15.49	83.3	0.54	4.30	13.00
KAR08			80	11.95	86.1	0.78	3.70	14.80
KAR08			100	10.11	90.8	1.22	3.00	16.80
KAR08			125	1.78	89.3	1.85	1.80	18.80
KAR08			160	-4.65	90.6	2.78	0.00	21.10
KAR08			200	-8.77	91.9	4.00	0.00	22.80
KAR09	2 610	2 615						
KAR09			20	33.05	63.9	0.00	5.60	7.60
KAR09			25	30.20	67.8	0.05	5.40	8.30
KAR09			32	29.27	73.3	0.08	5.20	9.20
KAR09			40	26.72	76.9	0.13	5.00	10.30
KAR09			50	25.87	82.0	0.18	4.70	11.50
KAR09			63	21.16	83.3	0.29	4.30	13.00
KAR09			80	17.73	86.1	0.42	3.70	14.80
KAR09			100	16.10	90.8	0.65	3.00	16.80
KAR09			125	8.06	89.3	0.99	1.80	18.80
KAR09			160	2.06	90.6	1.49	0.00	21.10
KAR09			200	-1.49	91.9	2.14	0.00	22.80
KAR10	3 032	3 037						
KAR10			20	31.75	63.9	0.00	5.60	7.60
KAR10			25	28.89	67.8	0.06	5.40	8.30
KAR10			32	27.96	73.3	0.09	5.20	9.20
KAR10			40	25.40	76.9	0.15	5.00	10.30
KAR10			50	24.54	82.0	0.21	4.70	11.50
KAR10			63	19.82	83.3	0.33	4.30	13.00
KAR10			80	16.37	86.1	0.49	3.70	14.80
KAR10			100	14.69	90.8	0.76	3.00	16.80
KAR10			125	6.60	89.3	1.15	1.80	18.80
KAR10			160	0.52	90.6	1.73	0.00	21.10
KAR10			200	-3.14	91.9	2.49	0.00	22.80
KAR11	4 018	4 021						
KAR11			20	29.31	63.9	0.00	5.60	7.60
KAR11			25	26.43	67.8	0.08	5.40	8.30
KAR11			32	25.49	73.3	0.12	5.20	9.20
KAR11			40	22.91	76.9	0.20	5.00	10.30
KAR11			50	22.03	82.0	0.28	4.70	11.50
KAR11			63	17.27	83.3	0.44	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			80	13.77	86.1	0.64	3.70	14.80
KAR11			100	12.01	90.8	1.01	3.00	16.80
KAR11			125	3.79	89.3	1.53	1.80	18.80
KAR11			160	-2.48	90.6	2.29	0.00	21.10
KAR11			200	-6.38	91.9	3.30	0.00	22.80
KAR12	3 720	3 723						
KAR12			20	29.98	63.9	0.00	5.60	7.60
KAR12			25	27.11	67.8	0.07	5.40	8.30
KAR12			32	26.17	73.3	0.11	5.20	9.20
KAR12			40	23.59	76.9	0.19	5.00	10.30
KAR12			50	22.72	82.0	0.26	4.70	11.50
KAR12			63	17.97	83.3	0.41	4.30	13.00
KAR12			80	14.49	86.1	0.60	3.70	14.80
KAR12			100	12.75	90.8	0.93	3.00	16.80
KAR12			125	4.57	89.3	1.41	1.80	18.80
KAR12			160	-1.64	90.6	2.12	0.00	21.10
KAR12			200	-5.47	91.9	3.05	0.00	22.80
KAR13	4 578	4 581						
KAR13			20	28.18	63.9	0.00	5.60	7.60
KAR13			25	25.29	67.8	0.09	5.40	8.30
KAR13			32	24.34	73.3	0.14	5.20	9.20
KAR13			40	21.75	76.9	0.23	5.00	10.30
KAR13			50	20.86	82.0	0.32	4.70	11.50
KAR13			63	16.08	83.3	0.50	4.30	13.00
KAR13			80	12.55	86.1	0.73	3.70	14.80
KAR13			100	10.74	90.8	1.15	3.00	16.80
KAR13			125	2.44	89.3	1.74	1.80	18.80
KAR13			160	-3.93	90.6	2.61	0.00	21.10
KAR13			200	-7.98	91.9	3.76	0.00	22.80
KAR14	3 534	3 538						
KAR14			20	30.42	63.9	0.00	5.60	7.60
KAR14			25	27.55	67.8	0.07	5.40	8.30
KAR14			32	26.62	73.3	0.11	5.20	9.20
KAR14			40	24.05	76.9	0.18	5.00	10.30
KAR14			50	23.18	82.0	0.25	4.70	11.50
KAR14			63	18.44	83.3	0.39	4.30	13.00
KAR14			80	14.96	86.1	0.57	3.70	14.80
KAR14			100	13.24	90.8	0.88	3.00	16.80
KAR14			125	5.08	89.3	1.34	1.80	18.80
KAR14			160	-1.09	90.6	2.02	0.00	21.10
KAR14			200	-4.88	91.9	2.90	0.00	22.80
KAR15	5 133	5 135						
KAR15			20	27.19	63.9	0.00	5.60	7.60
KAR15			25	24.29	67.8	0.10	5.40	8.30
KAR15			32	23.34	73.3	0.15	5.20	9.20
KAR15			40	20.73	76.9	0.26	5.00	10.30
KAR15			50	19.83	82.0	0.36	4.70	11.50
KAR15			63	15.02	83.3	0.56	4.30	13.00
KAR15			80	11.47	86.1	0.82	3.70	14.80
KAR15			100	9.61	90.8	1.28	3.00	16.80
KAR15			125	1.24	89.3	1.95	1.80	18.80
KAR15			160	-5.24	90.6	2.93	0.00	21.10
KAR15			200	-9.42	91.9	4.21	0.00	22.80
KAR16	4 229	4 232						
KAR16			20	28.87	63.9	0.00	5.60	7.60
KAR16			25	25.99	67.8	0.08	5.40	8.30
KAR16			32	25.04	73.3	0.13	5.20	9.20
KAR16			40	22.46	76.9	0.21	5.00	10.30
KAR16			50	21.57	82.0	0.30	4.70	11.50
KAR16			63	16.80	83.3	0.47	4.30	13.00
KAR16			80	13.29	86.1	0.68	3.70	14.80
KAR16			100	11.51	90.8	1.06	3.00	16.80
KAR16			125	3.26	89.3	1.61	1.80	18.80
KAR16			160	-3.04	90.6	2.41	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			200	-7.00	91.9	3.47	0.00	22.80
KAR17	4 712	4 715						
KAR17			20	27.93	63.9	0.00	5.60	7.60
KAR17			25	25.04	67.8	0.09	5.40	8.30
KAR17			32	24.09	73.3	0.14	5.20	9.20
KAR17			40	21.50	76.9	0.24	5.00	10.30
KAR17			50	20.60	82.0	0.33	4.70	11.50
KAR17			63	15.81	83.3	0.52	4.30	13.00
KAR17			80	12.28	86.1	0.75	3.70	14.80
KAR17			100	10.45	90.8	1.18	3.00	16.80
KAR17			125	2.14	89.3	1.79	1.80	18.80
KAR17			160	-4.26	90.6	2.69	0.00	21.10
KAR17			200	-8.34	91.9	3.87	0.00	22.80
KAR18	4 075	4 078						
KAR18			20	29.19	63.9	0.00	5.60	7.60
KAR18			25	26.31	67.8	0.08	5.40	8.30
KAR18			32	25.37	73.3	0.12	5.20	9.20
KAR18			40	22.79	76.9	0.20	5.00	10.30
KAR18			50	21.91	82.0	0.29	4.70	11.50
KAR18			63	17.14	83.3	0.45	4.30	13.00
KAR18			80	13.64	86.1	0.65	3.70	14.80
KAR18			100	11.87	90.8	1.02	3.00	16.80
KAR18			125	3.64	89.3	1.55	1.80	18.80
KAR18			160	-2.63	90.6	2.32	0.00	21.10
KAR18			200	-6.55	91.9	3.34	0.00	22.80
KAR19	5 796	5 798						
KAR19			20	26.13	63.9	0.00	5.60	7.60
KAR19			25	23.22	67.8	0.12	5.40	8.30
KAR19			32	22.26	73.3	0.17	5.20	9.20
KAR19			40	19.64	76.9	0.29	5.00	10.30
KAR19			50	18.73	82.0	0.41	4.70	11.50
KAR19			63	13.90	83.3	0.64	4.30	13.00
KAR19			80	10.31	86.1	0.93	3.70	14.80
KAR19			100	8.38	90.8	1.45	3.00	16.80
KAR19			125	-0.07	89.3	2.20	1.80	18.80
KAR19			160	-6.67	90.6	3.31	0.00	21.10
KAR19			200	-11.02	91.9	4.75	0.00	22.80
KAR20	4 919	4 922						
KAR20			20	27.56	63.9	0.00	5.60	7.60
KAR20			25	24.66	67.8	0.10	5.40	8.30
KAR20			32	23.71	73.3	0.15	5.20	9.20
KAR20			40	21.11	76.9	0.25	5.00	10.30
KAR20			50	20.21	82.0	0.34	4.70	11.50
KAR20			63	15.42	83.3	0.54	4.30	13.00
KAR20			80	11.87	86.1	0.79	3.70	14.80
KAR20			100	10.03	90.8	1.23	3.00	16.80
KAR20			125	1.69	89.3	1.87	1.80	18.80
KAR20			160	-4.75	90.6	2.81	0.00	21.10
KAR20			200	-8.88	91.9	4.04	0.00	22.80
KAR21	5 381	5 383						
KAR21			20	26.78	63.9	0.00	5.60	7.60
KAR21			25	23.87	67.8	0.11	5.40	8.30
KAR21			32	22.92	73.3	0.16	5.20	9.20
KAR21			40	20.31	76.9	0.27	5.00	10.30
KAR21			50	19.40	82.0	0.38	4.70	11.50
KAR21			63	14.59	83.3	0.59	4.30	13.00
KAR21			80	11.02	86.1	0.86	3.70	14.80
KAR21			100	9.13	90.8	1.35	3.00	16.80
KAR21			125	0.73	89.3	2.05	1.80	18.80
KAR21			160	-5.79	90.6	3.07	0.00	21.10
KAR21			200	-10.03	91.9	4.41	0.00	22.80
KAR22	5 866	5 868						
KAR22			20	26.03	63.9	0.00	5.60	7.60
KAR22			25	23.11	67.8	0.12	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			32	22.15	73.3	0.18	5.20	9.20
KAR22			40	19.54	76.9	0.29	5.00	10.30
KAR22			50	18.62	82.0	0.41	4.70	11.50
KAR22			63	13.78	83.3	0.65	4.30	13.00
KAR22			80	10.19	86.1	0.94	3.70	14.80
KAR22			100	8.26	90.8	1.47	3.00	16.80
KAR22			125	-0.20	89.3	2.23	1.80	18.80
KAR22			160	-6.81	90.6	3.34	0.00	21.10
KAR22			200	-11.18	91.9	4.81	0.00	22.80
KAR23	6 101	6 104						
KAR23			20	25.69	63.9	0.00	5.60	7.60
KAR23			25	22.77	67.8	0.12	5.40	8.30
KAR23			32	21.80	73.3	0.18	5.20	9.20
KAR23			40	19.18	76.9	0.31	5.00	10.30
KAR23			50	18.26	82.0	0.43	4.70	11.50
KAR23			63	13.42	83.3	0.67	4.30	13.00
KAR23			80	9.81	86.1	0.98	3.70	14.80
KAR23			100	7.86	90.8	1.53	3.00	16.80
KAR23			125	-0.63	89.3	2.32	1.80	18.80
KAR23			160	-7.29	90.6	3.48	0.00	21.10
KAR23			200	-11.72	91.9	5.01	0.00	22.80
KAR24	1 591	1 598						
KAR24			20	37.33	63.9	0.00	5.60	7.60
KAR24			25	34.50	67.8	0.03	5.40	8.30
KAR24			32	33.58	73.3	0.05	5.20	9.20
KAR24			40	31.05	76.9	0.08	5.00	10.30
KAR24			50	30.22	82.0	0.11	4.70	11.50
KAR24			63	25.55	83.3	0.18	4.30	13.00
KAR24			80	22.17	86.1	0.26	3.70	14.80
KAR24			100	20.63	90.8	0.40	3.00	16.80
KAR24			125	12.72	89.3	0.61	1.80	18.80
KAR24			160	6.92	90.6	0.91	0.00	21.10
KAR24			200	3.62	91.9	1.31	0.00	22.80
KAR25	3 064	3 068						
KAR25			20	31.66	63.9	0.00	5.60	7.60
KAR25			25	28.80	67.8	0.06	5.40	8.30
KAR25			32	27.87	73.3	0.09	5.20	9.20
KAR25			40	25.31	76.9	0.15	5.00	10.30
KAR25			50	24.45	82.0	0.21	4.70	11.50
KAR25			63	19.73	83.3	0.34	4.30	13.00
KAR25			80	16.27	86.1	0.49	3.70	14.80
KAR25			100	14.60	90.8	0.77	3.00	16.80
KAR25			125	6.50	89.3	1.17	1.80	18.80
KAR25			160	0.41	90.6	1.75	0.00	21.10
KAR25			200	-3.25	91.9	2.52	0.00	22.80
MAA01	6 550	6 551						
MAA01			20	25.07	63.9	0.00	5.60	7.60
MAA01			25	22.14	67.8	0.13	5.40	8.30
MAA01			32	21.18	73.3	0.20	5.20	9.20
MAA01			40	18.55	76.9	0.33	5.00	10.30
MAA01			50	17.62	82.0	0.46	4.70	11.50
MAA01			63	12.75	83.3	0.72	4.30	13.00
MAA01			80	9.13	86.1	1.05	3.70	14.80
MAA01			100	7.14	90.8	1.64	3.00	16.80
MAA01			125	-1.41	89.3	2.49	1.80	18.80
MAA01			160	-8.16	90.6	3.73	0.00	21.10
MAA01			200	-12.70	91.9	5.37	0.00	22.80
MAA03	7 144	7 145						
MAA03			20	24.32	63.9	0.00	5.60	7.60
MAA03			25	21.38	67.8	0.14	5.40	8.30
MAA03			32	20.41	73.3	0.21	5.20	9.20
MAA03			40	17.76	76.9	0.36	5.00	10.30
MAA03			50	16.82	82.0	0.50	4.70	11.50
MAA03			63	11.93	83.3	0.79	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			80	8.28	86.1	1.14	3.70	14.80
MAA03			100	6.23	90.8	1.79	3.00	16.80
MAA03			125	-2.40	89.3	2.72	1.80	18.80
MAA03			160	-9.25	90.6	4.07	0.00	21.10
MAA03			200	-13.94	91.9	5.86	0.00	22.80
MAA04	6 971	6 972						
MAA04			20	24.53	63.9	0.00	5.60	7.60
MAA04			25	21.59	67.8	0.14	5.40	8.30
MAA04			32	20.62	73.3	0.21	5.20	9.20
MAA04			40	17.98	76.9	0.35	5.00	10.30
MAA04			50	17.04	82.0	0.49	4.70	11.50
MAA04			63	12.17	83.3	0.77	4.30	13.00
MAA04			80	8.52	86.1	1.12	3.70	14.80
MAA04			100	6.49	90.8	1.74	3.00	16.80
MAA04			125	-2.12	89.3	2.65	1.80	18.80
MAA04			160	-8.94	90.6	3.97	0.00	21.10
MAA04			200	-13.58	91.9	5.72	0.00	22.80
MAA05	7 668	7 669						
MAA05			20	23.71	63.9	0.00	5.60	7.60
MAA05			25	20.75	67.8	0.15	5.40	8.30
MAA05			32	19.77	73.3	0.23	5.20	9.20
MAA05			40	17.12	76.9	0.38	5.00	10.30
MAA05			50	16.17	82.0	0.54	4.70	11.50
MAA05			63	11.26	83.3	0.84	4.30	13.00
MAA05			80	7.58	86.1	1.23	3.70	14.80
MAA05			100	5.49	90.8	1.92	3.00	16.80
MAA05			125	-3.21	89.3	2.91	1.80	18.80
MAA05			160	-10.17	90.6	4.37	0.00	21.10
MAA05			200	-14.98	91.9	6.29	0.00	22.80
MAA06	8 396	8 397						
MAA06			20	22.92	63.9	0.00	5.60	7.60
MAA06			25	19.95	67.8	0.17	5.40	8.30
MAA06			32	18.97	73.3	0.25	5.20	9.20
MAA06			40	16.30	76.9	0.42	5.00	10.30
MAA06			50	15.33	82.0	0.59	4.70	11.50
MAA06			63	10.39	83.3	0.92	4.30	13.00
MAA06			80	6.67	86.1	1.34	3.70	14.80
MAA06			100	4.52	90.8	2.10	3.00	16.80
MAA06			125	-4.27	89.3	3.19	1.80	18.80
MAA06			160	-11.37	90.6	4.79	0.00	21.10
MAA06			200	-16.37	91.9	6.89	0.00	22.80
MAA07	8 563	8 564						
MAA07			20	22.75	63.9	0.00	5.60	7.60
MAA07			25	19.78	67.8	0.17	5.40	8.30
MAA07			32	18.79	73.3	0.26	5.20	9.20
MAA07			40	16.12	76.9	0.43	5.00	10.30
MAA07			50	15.15	82.0	0.60	4.70	11.50
MAA07			63	10.20	83.3	0.94	4.30	13.00
MAA07			80	6.48	86.1	1.37	3.70	14.80
MAA07			100	4.31	90.8	2.14	3.00	16.80
MAA07			125	-4.51	89.3	3.25	1.80	18.80
MAA07			160	-11.63	90.6	4.88	0.00	21.10
MAA07			200	-16.68	91.9	7.02	0.00	22.80
MAA08	8 654	8 655						
MAA08			20	22.65	63.9	0.00	5.60	7.60
MAA08			25	19.68	67.8	0.17	5.40	8.30
MAA08			32	18.69	73.3	0.26	5.20	9.20
MAA08			40	16.02	76.9	0.43	5.00	10.30
MAA08			50	15.05	82.0	0.61	4.70	11.50
MAA08			63	10.10	83.3	0.95	4.30	13.00
MAA08			80	6.37	86.1	1.38	3.70	14.80
MAA08			100	4.19	90.8	2.16	3.00	16.80
MAA08			125	-4.63	89.3	3.29	1.80	18.80
MAA08			160	-11.78	90.6	4.93	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			200	-16.84	91.9	7.10	0.00	22.80
RAH01	7 453	7 454						
RAH01			20	22.10	62.0	0.00	5.60	7.60
RAH01			25	20.45	67.2	0.15	5.40	8.30
RAH01			32	18.78	72.0	0.22	5.20	9.20
RAH01			40	17.30	76.8	0.37	5.00	10.30
RAH01			50	15.66	81.2	0.52	4.70	11.50
RAH01			63	13.26	85.0	0.82	4.30	13.00
RAH01			80	10.08	88.3	1.19	3.70	14.80
RAH01			100	6.09	91.1	1.86	3.00	16.80
RAH01			125	1.12	93.3	2.83	1.80	18.80
RAH01			160	-5.42	95.0	4.25	0.00	21.10
RAH01			200	-10.36	96.1	6.11	0.00	22.80
RAH02	7 951	7 952						
RAH02			20	21.54	62.0	0.00	5.60	7.60
RAH02			25	19.88	67.2	0.16	5.40	8.30
RAH02			32	18.20	72.0	0.24	5.20	9.20
RAH02			40	16.72	76.8	0.40	5.00	10.30
RAH02			50	15.06	81.2	0.56	4.70	11.50
RAH02			63	12.64	85.0	0.87	4.30	13.00
RAH02			80	9.44	88.3	1.27	3.70	14.80
RAH02			100	5.40	91.1	1.99	3.00	16.80
RAH02			125	0.37	93.3	3.02	1.80	18.80
RAH02			160	-6.27	95.0	4.53	0.00	21.10
RAH02			200	-11.33	96.1	6.52	0.00	22.80
RAH03	7 140	7 141						
RAH03			20	22.47	62.0	0.00	5.60	7.60
RAH03			25	20.83	67.2	0.14	5.40	8.30
RAH03			32	19.16	72.0	0.21	5.20	9.20
RAH03			40	17.69	76.8	0.36	5.00	10.30
RAH03			50	16.05	81.2	0.50	4.70	11.50
RAH03			63	13.66	85.0	0.79	4.30	13.00
RAH03			80	10.51	88.3	1.14	3.70	14.80
RAH03			100	6.54	91.1	1.79	3.00	16.80
RAH03			125	1.61	93.3	2.71	1.80	18.80
RAH03			160	-4.87	95.0	4.07	0.00	21.10
RAH03			200	-9.73	96.1	5.86	0.00	22.80
RAH04	8 286	8 287						
RAH04			20	21.18	62.0	0.00	5.60	7.60
RAH04			25	19.52	67.2	0.17	5.40	8.30
RAH04			32	17.83	72.0	0.25	5.20	9.20
RAH04			40	16.34	76.8	0.41	5.00	10.30
RAH04			50	14.68	81.2	0.58	4.70	11.50
RAH04			63	12.25	85.0	0.91	4.30	13.00
RAH04			80	9.03	88.3	1.33	3.70	14.80
RAH04			100	4.96	91.1	2.07	3.00	16.80
RAH04			125	-0.12	93.3	3.15	1.80	18.80
RAH04			160	-6.82	95.0	4.72	0.00	21.10
RAH04			200	-11.96	96.1	6.80	0.00	22.80
RAH05	7 546	7 547						
RAH05			20	21.99	62.0	0.00	5.60	7.60
RAH05			25	20.34	67.2	0.15	5.40	8.30
RAH05			32	18.67	72.0	0.23	5.20	9.20
RAH05			40	17.19	76.8	0.38	5.00	10.30
RAH05			50	15.54	81.2	0.53	4.70	11.50
RAH05			63	13.14	85.0	0.83	4.30	13.00
RAH05			80	9.96	88.3	1.21	3.70	14.80
RAH05			100	5.96	91.1	1.89	3.00	16.80
RAH05			125	0.98	93.3	2.87	1.80	18.80
RAH05			160	-5.58	95.0	4.30	0.00	21.10
RAH05			200	-10.54	96.1	6.19	0.00	22.80
RAH06	8 067	8 068						
RAH06			20	21.41	62.0	0.00	5.60	7.60
RAH06			25	19.75	67.2	0.16	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			32	18.07	72.0	0.24	5.20	9.20
RAH06			40	16.59	76.8	0.40	5.00	10.30
RAH06			50	14.92	81.2	0.56	4.70	11.50
RAH06			63	12.50	85.0	0.89	4.30	13.00
RAH06			80	9.30	88.3	1.29	3.70	14.80
RAH06			100	5.25	91.1	2.02	3.00	16.80
RAH06			125	0.20	93.3	3.07	1.80	18.80
RAH06			160	-6.46	95.0	4.60	0.00	21.10
RAH06			200	-11.55	96.1	6.62	0.00	22.80
RAH07	9 747	9 748						
RAH07			20	19.77	62.0	0.00	5.60	7.60
RAH07			25	18.07	67.2	0.19	5.40	8.30
RAH07			32	16.38	72.0	0.29	5.20	9.20
RAH07			40	14.86	76.8	0.49	5.00	10.30
RAH07			50	13.16	81.2	0.68	4.70	11.50
RAH07			63	10.67	85.0	1.07	4.30	13.00
RAH07			80	7.39	88.3	1.56	3.70	14.80
RAH07			100	3.18	91.1	2.44	3.00	16.80
RAH07			125	-2.08	93.3	3.70	1.80	18.80
RAH07			160	-9.06	95.0	5.56	0.00	21.10
RAH07			200	-14.57	96.1	7.99	0.00	22.80
RAH08	9 696	9 696						
RAH08			20	19.82	62.0	0.00	5.60	7.60
RAH08			25	18.12	67.2	0.19	5.40	8.30
RAH08			32	16.43	72.0	0.29	5.20	9.20
RAH08			40	14.91	76.8	0.48	5.00	10.30
RAH08			50	13.21	81.2	0.68	4.70	11.50
RAH08			63	10.73	85.0	1.07	4.30	13.00
RAH08			80	7.44	88.3	1.55	3.70	14.80
RAH08			100	3.24	91.1	2.42	3.00	16.80
RAH08			125	-2.02	93.3	3.68	1.80	18.80
RAH08			160	-8.98	95.0	5.53	0.00	21.10
RAH08			200	-14.48	96.1	7.95	0.00	22.80
RAH09	8 972	8 973						
RAH09			20	20.49	62.0	0.00	5.60	7.60
RAH09			25	18.81	67.2	0.18	5.40	8.30
RAH09			32	17.12	72.0	0.27	5.20	9.20
RAH09			40	15.62	76.8	0.45	5.00	10.30
RAH09			50	13.94	81.2	0.63	4.70	11.50
RAH09			63	11.48	85.0	0.99	4.30	13.00
RAH09			80	8.23	88.3	1.44	3.70	14.80
RAH09			100	4.10	91.1	2.24	3.00	16.80
RAH09			125	-1.07	93.3	3.41	1.80	18.80
RAH09			160	-7.90	95.0	5.11	0.00	21.10
RAH09			200	-13.22	96.1	7.36	0.00	22.80
RAH10	9 133	9 134						
RAH10			20	20.33	62.0	0.00	5.60	7.60
RAH10			25	18.65	67.2	0.18	5.40	8.30
RAH10			32	16.96	72.0	0.27	5.20	9.20
RAH10			40	15.45	76.8	0.46	5.00	10.30
RAH10			50	13.77	81.2	0.64	4.70	11.50
RAH10			63	11.31	85.0	1.00	4.30	13.00
RAH10			80	8.05	88.3	1.46	3.70	14.80
RAH10			100	3.90	91.1	2.28	3.00	16.80
RAH10			125	-1.28	93.3	3.47	1.80	18.80
RAH10			160	-8.14	95.0	5.21	0.00	21.10
RAH10			200	-13.50	96.1	7.49	0.00	22.80
RAH11	6 590	6 591						
RAH11			20	23.17	62.0	0.00	5.60	7.60
RAH11			25	21.54	67.2	0.13	5.40	8.30
RAH11			32	19.87	72.0	0.20	5.20	9.20
RAH11			40	18.42	76.8	0.33	5.00	10.30
RAH11			50	16.78	81.2	0.46	4.70	11.50
RAH11			63	14.42	85.0	0.73	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			80	11.29	88.3	1.05	3.70	14.80
RAH11			100	7.37	91.1	1.65	3.00	16.80
RAH11			125	2.52	93.3	2.50	1.80	18.80
RAH11			160	-3.86	95.0	3.76	0.00	21.10
RAH11			200	-8.58	96.1	5.40	0.00	22.80
RAH12	6 981	6 982						
RAH12			20	22.67	62.0	0.00	5.60	7.60
RAH12			25	21.03	67.2	0.14	5.40	8.30
RAH12			32	19.36	72.0	0.21	5.20	9.20
RAH12			40	17.90	76.8	0.35	5.00	10.30
RAH12			50	16.26	81.2	0.49	4.70	11.50
RAH12			63	13.88	85.0	0.77	4.30	13.00
RAH12			80	10.73	88.3	1.12	3.70	14.80
RAH12			100	6.77	91.1	1.75	3.00	16.80
RAH12			125	1.87	93.3	2.65	1.80	18.80
RAH12			160	-4.58	95.0	3.98	0.00	21.10
RAH12			200	-9.41	96.1	5.73	0.00	22.80
RAH13	6 225	6 226						
RAH13			20	23.66	62.0	0.00	5.60	7.60
RAH13			25	22.04	67.2	0.12	5.40	8.30
RAH13			32	20.38	72.0	0.19	5.20	9.20
RAH13			40	18.93	76.8	0.31	5.00	10.30
RAH13			50	17.30	81.2	0.44	4.70	11.50
RAH13			63	14.96	85.0	0.68	4.30	13.00
RAH13			80	11.84	88.3	1.00	3.70	14.80
RAH13			100	7.96	91.1	1.56	3.00	16.80
RAH13			125	3.15	93.3	2.37	1.80	18.80
RAH13			160	-3.16	95.0	3.55	0.00	21.10
RAH13			200	-7.79	96.1	5.11	0.00	22.80
RAH14	5 820	5 821						
RAH14			20	24.25	62.0	0.00	5.60	7.60
RAH14			25	22.63	67.2	0.12	5.40	8.30
RAH14			32	20.97	72.0	0.17	5.20	9.20
RAH14			40	19.53	76.8	0.29	5.00	10.30
RAH14			50	17.92	81.2	0.41	4.70	11.50
RAH14			63	15.58	85.0	0.64	4.30	13.00
RAH14			80	12.49	88.3	0.93	3.70	14.80
RAH14			100	8.64	91.1	1.46	3.00	16.80
RAH14			125	3.89	93.3	2.21	1.80	18.80
RAH14			160	-2.34	95.0	3.32	0.00	21.10
RAH14			200	-6.87	96.1	4.77	0.00	22.80
RAH15	5 383	5 384						
RAH15			20	24.93	62.0	0.00	5.60	7.60
RAH15			25	23.32	67.2	0.11	5.40	8.30
RAH15			32	21.66	72.0	0.16	5.20	9.20
RAH15			40	20.23	76.8	0.27	5.00	10.30
RAH15			50	18.62	81.2	0.38	4.70	11.50
RAH15			63	16.31	85.0	0.59	4.30	13.00
RAH15			80	13.24	88.3	0.86	3.70	14.80
RAH15			100	9.43	91.1	1.35	3.00	16.80
RAH15			125	4.73	93.3	2.05	1.80	18.80
RAH15			160	-1.42	95.0	3.07	0.00	21.10
RAH15			200	-5.84	96.1	4.42	0.00	22.80
RAH16	6 301	6 303						
RAH16			20	23.56	62.0	0.00	5.60	7.60
RAH16			25	21.93	67.2	0.13	5.40	8.30
RAH16			32	20.27	72.0	0.19	5.20	9.20
RAH16			40	18.82	76.8	0.32	5.00	10.30
RAH16			50	17.19	81.2	0.44	4.70	11.50
RAH16			63	14.84	85.0	0.69	4.30	13.00
RAH16			80	11.73	88.3	1.01	3.70	14.80
RAH16			100	7.83	91.1	1.58	3.00	16.80
RAH16			125	3.01	93.3	2.39	1.80	18.80
RAH16			160	-3.31	95.0	3.59	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			200	-7.96	96.1	5.17	0.00	22.80
RAH17	4 138	4 140						
RAH17			20	27.21	62.0	0.00	5.60	7.60
RAH17			25	25.63	67.2	0.08	5.40	8.30
RAH17			32	23.98	72.0	0.12	5.20	9.20
RAH17			40	22.58	76.8	0.21	5.00	10.30
RAH17			50	20.99	81.2	0.29	4.70	11.50
RAH17			63	18.73	85.0	0.46	4.30	13.00
RAH17			80	15.72	88.3	0.66	3.70	14.80
RAH17			100	12.02	91.1	1.04	3.00	16.80
RAH17			125	7.49	93.3	1.57	1.80	18.80
RAH17			160	1.58	95.0	2.36	0.00	21.10
RAH17			200	-2.54	96.1	3.39	0.00	22.80
RAH18	4 552	4 555						
RAH18			20	26.38	62.0	0.00	5.60	7.60
RAH18			25	24.79	67.2	0.09	5.40	8.30
RAH18			32	23.14	72.0	0.14	5.20	9.20
RAH18			40	21.73	76.8	0.23	5.00	10.30
RAH18			50	20.14	81.2	0.32	4.70	11.50
RAH18			63	17.85	85.0	0.50	4.30	13.00
RAH18			80	14.83	88.3	0.73	3.70	14.80
RAH18			100	11.09	91.1	1.14	3.00	16.80
RAH18			125	6.50	93.3	1.73	1.80	18.80
RAH18			160	0.51	95.0	2.60	0.00	21.10
RAH18			200	-3.70	96.1	3.73	0.00	22.80
RAH19	3 556	3 559						
RAH19			20	28.52	62.0	0.00	5.60	7.60
RAH19			25	26.95	67.2	0.07	5.40	8.30
RAH19			32	25.32	72.0	0.11	5.20	9.20
RAH19			40	23.92	76.8	0.18	5.00	10.30
RAH19			50	22.35	81.2	0.25	4.70	11.50
RAH19			63	20.11	85.0	0.39	4.30	13.00
RAH19			80	17.13	88.3	0.57	3.70	14.80
RAH19			100	13.48	91.1	0.89	3.00	16.80
RAH19			125	9.02	93.3	1.35	1.80	18.80
RAH19			160	3.22	95.0	2.03	0.00	21.10
RAH19			200	-0.74	96.1	2.92	0.00	22.80
SIL01	7 135	7 137						
SIL01			20	23.75	63.3	0.00	5.60	7.60
SIL01			25	22.00	68.4	0.14	5.40	8.30
SIL01			32	16.05	68.9	0.21	5.20	9.20
SIL01			40	13.00	72.1	0.36	5.00	10.30
SIL01			50	11.65	76.8	0.50	4.70	11.50
SIL01			63	8.45	79.8	0.79	4.30	13.00
SIL01			80	4.80	82.6	1.14	3.70	14.80
SIL01			100	1.48	86.0	1.78	3.00	16.80
SIL01			125	-2.39	89.3	2.71	1.80	18.80
SIL01			160	-11.66	88.2	4.07	0.00	21.10
SIL01			200	-15.83	90.0	5.85	0.00	22.80
SIL02	6 342	6 344						
SIL02			20	24.78	63.3	0.00	5.60	7.60
SIL02			25	23.04	68.4	0.13	5.40	8.30
SIL02			32	17.09	68.9	0.19	5.20	9.20
SIL02			40	14.06	72.1	0.32	5.00	10.30
SIL02			50	12.73	76.8	0.44	4.70	11.50
SIL02			63	9.56	79.8	0.70	4.30	13.00
SIL02			80	5.95	82.6	1.01	3.70	14.80
SIL02			100	2.70	86.0	1.59	3.00	16.80
SIL02			125	-1.07	89.3	2.41	1.80	18.80
SIL02			160	-10.18	88.2	3.62	0.00	21.10
SIL02			200	-14.16	90.0	5.20	0.00	22.80
SIL03	5 536	5 537						
SIL03			20	25.96	63.3	0.00	5.60	7.60
SIL03			25	24.24	68.4	0.11	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			32	18.30	68.9	0.17	5.20	9.20
SIL03			40	15.28	72.1	0.28	5.00	10.30
SIL03			50	13.97	76.8	0.39	4.70	11.50
SIL03			63	10.83	79.8	0.61	4.30	13.00
SIL03			80	7.26	82.6	0.89	3.70	14.80
SIL03			100	4.08	86.0	1.38	3.00	16.80
SIL03			125	0.42	89.3	2.10	1.80	18.80
SIL03			160	-8.54	88.2	3.16	0.00	21.10
SIL03			200	-12.32	90.0	4.54	0.00	22.80
SIL04	5 914	5 916						
SIL04			20	25.38	63.3	0.00	5.60	7.60
SIL04			25	23.66	68.4	0.12	5.40	8.30
SIL04			32	17.71	68.9	0.18	5.20	9.20
SIL04			40	14.69	72.1	0.30	5.00	10.30
SIL04			50	13.37	76.8	0.41	4.70	11.50
SIL04			63	10.21	79.8	0.65	4.30	13.00
SIL04			80	6.62	82.6	0.95	3.70	14.80
SIL04			100	3.41	86.0	1.48	3.00	16.80
SIL04			125	-0.30	89.3	2.25	1.80	18.80
SIL04			160	-9.33	88.2	3.37	0.00	21.10
SIL04			200	-13.20	90.0	4.85	0.00	22.80
SIL05	7 250	7 251						
SIL05			20	23.62	63.3	0.00	5.60	7.60
SIL05			25	21.86	68.4	0.15	5.40	8.30
SIL05			32	15.90	68.9	0.22	5.20	9.20
SIL05			40	12.85	72.1	0.36	5.00	10.30
SIL05			50	11.51	76.8	0.51	4.70	11.50
SIL05			63	8.30	79.8	0.80	4.30	13.00
SIL05			80	4.64	82.6	1.16	3.70	14.80
SIL05			100	1.31	86.0	1.81	3.00	16.80
SIL05			125	-2.57	89.3	2.76	1.80	18.80
SIL05			160	-11.86	88.2	4.13	0.00	21.10
SIL05			200	-16.07	90.0	5.95	0.00	22.80
SIL06	6 641	6 642						
SIL06			20	24.38	63.3	0.00	5.60	7.60
SIL06			25	22.64	68.4	0.13	5.40	8.30
SIL06			32	16.68	68.9	0.20	5.20	9.20
SIL06			40	13.65	72.1	0.33	5.00	10.30
SIL06			50	12.31	76.8	0.46	4.70	11.50
SIL06			63	9.13	79.8	0.73	4.30	13.00
SIL06			80	5.50	82.6	1.06	3.70	14.80
SIL06			100	2.22	86.0	1.66	3.00	16.80
SIL06			125	-1.58	89.3	2.52	1.80	18.80
SIL06			160	-10.75	88.2	3.79	0.00	21.10
SIL06			200	-14.80	90.0	5.45	0.00	22.80
SIL07	6 290	6 291						
SIL07			20	24.85	63.3	0.00	5.60	7.60
SIL07			25	23.12	68.4	0.13	5.40	8.30
SIL07			32	17.17	68.9	0.19	5.20	9.20
SIL07			40	14.13	72.1	0.31	5.00	10.30
SIL07			50	12.81	76.8	0.44	4.70	11.50
SIL07			63	9.64	79.8	0.69	4.30	13.00
SIL07			80	6.03	82.6	1.01	3.70	14.80
SIL07			100	2.78	86.0	1.57	3.00	16.80
SIL07			125	-0.98	89.3	2.39	1.80	18.80
SIL07			160	-10.08	88.2	3.59	0.00	21.10
SIL07			200	-14.04	90.0	5.16	0.00	22.80
SIL08	6 909	6 910						
SIL08			20	24.03	63.3	0.00	5.60	7.60
SIL08			25	22.29	68.4	0.14	5.40	8.30
SIL08			32	16.33	68.9	0.21	5.20	9.20
SIL08			40	13.29	72.1	0.35	5.00	10.30
SIL08			50	11.95	76.8	0.48	4.70	11.50
SIL08			63	8.76	79.8	0.76	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			80	5.12	82.6	1.11	3.70	14.80
SIL08			100	1.81	86.0	1.73	3.00	16.80
SIL08			125	-2.03	89.3	2.63	1.80	18.80
SIL08			160	-11.25	88.2	3.94	0.00	21.10
SIL08			200	-15.37	90.0	5.67	0.00	22.80
Sum								
Sum			20	46.17				
Sum			25	43.52				
Sum			32	42.28				
Sum			40	39.86				
Sum			50	38.88				
Sum			63	34.59				
Sum			80	31.21				
Sum			100	29.09				
Sum			125	21.80				
Sum			160	15.61				
Sum			200	11.77				

Noise sensitive area: AN Noise sensitive point: Finnish normal frequency - User defined (30)

Wind speed: 8.0 m/s

WTG

No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	3 993	3 997						
KAR01			20	29.37	63.9	0.00	5.60	7.60
KAR01			25	26.49	67.8	0.08	5.40	8.30
KAR01			32	25.55	73.3	0.12	5.20	9.20
KAR01			40	22.97	76.9	0.20	5.00	10.30
KAR01			50	22.09	82.0	0.28	4.70	11.50
KAR01			63	17.33	83.3	0.44	4.30	13.00
KAR01			80	13.83	86.1	0.64	3.70	14.80
KAR01			100	12.07	90.8	1.00	3.00	16.80
KAR01			125	3.85	89.3	1.52	1.80	18.80
KAR01			160	-2.41	90.6	2.28	0.00	21.10
KAR01			200	-6.31	91.9	3.28	0.00	22.80
KAR02	3 042	3 047						
KAR02			20	31.72	63.9	0.00	5.60	7.60
KAR02			25	28.86	67.8	0.06	5.40	8.30
KAR02			32	27.93	73.3	0.09	5.20	9.20
KAR02			40	25.37	76.9	0.15	5.00	10.30
KAR02			50	24.51	82.0	0.21	4.70	11.50
KAR02			63	19.79	83.3	0.34	4.30	13.00
KAR02			80	16.34	86.1	0.49	3.70	14.80
KAR02			100	14.66	90.8	0.76	3.00	16.80
KAR02			125	6.56	89.3	1.16	1.80	18.80
KAR02			160	0.49	90.6	1.74	0.00	21.10
KAR02			200	-3.18	91.9	2.50	0.00	22.80
KAR03	3 705	3 709						
KAR03			20	30.01	63.9	0.00	5.60	7.60
KAR03			25	27.14	67.8	0.07	5.40	8.30
KAR03			32	26.20	73.3	0.11	5.20	9.20
KAR03			40	23.63	76.9	0.19	5.00	10.30
KAR03			50	22.76	82.0	0.26	4.70	11.50
KAR03			63	18.01	83.3	0.41	4.30	13.00
KAR03			80	14.52	86.1	0.59	3.70	14.80
KAR03			100	12.79	90.8	0.93	3.00	16.80
KAR03			125	4.61	89.3	1.41	1.80	18.80
KAR03			160	-1.60	90.6	2.11	0.00	21.10
KAR03			200	-5.43	91.9	3.04	0.00	22.80
KAR04	4 424	4 428						
KAR04			20	28.48	63.9	0.00	5.60	7.60
KAR04			25	25.59	67.8	0.09	5.40	8.30
KAR04			32	24.64	73.3	0.13	5.20	9.20
KAR04			40	22.05	76.9	0.22	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			50	21.17	82.0	0.31	4.70	11.50
KAR04			63	16.39	83.3	0.49	4.30	13.00
KAR04			80	12.87	86.1	0.71	3.70	14.80
KAR04			100	11.07	90.8	1.11	3.00	16.80
KAR04			125	2.79	89.3	1.68	1.80	18.80
KAR04			160	-3.55	90.6	2.52	0.00	21.10
KAR04			200	-7.56	91.9	3.63	0.00	22.80
KAR05	5 139	5 142						
KAR05			20	27.18	63.9	0.00	5.60	7.60
KAR05			25	24.27	67.8	0.10	5.40	8.30
KAR05			32	23.32	73.3	0.15	5.20	9.20
KAR05			40	20.72	76.9	0.26	5.00	10.30
KAR05			50	19.82	82.0	0.36	4.70	11.50
KAR05			63	15.01	83.3	0.57	4.30	13.00
KAR05			80	11.45	86.1	0.82	3.70	14.80
KAR05			100	9.59	90.8	1.29	3.00	16.80
KAR05			125	1.22	89.3	1.95	1.80	18.80
KAR05			160	-5.25	90.6	2.93	0.00	21.10
KAR05			200	-9.44	91.9	4.22	0.00	22.80
KAR06	3 803	3 807						
KAR06			20	29.79	63.9	0.00	5.60	7.60
KAR06			25	26.91	67.8	0.08	5.40	8.30
KAR06			32	25.97	73.3	0.11	5.20	9.20
KAR06			40	23.40	76.9	0.19	5.00	10.30
KAR06			50	22.52	82.0	0.27	4.70	11.50
KAR06			63	17.77	83.3	0.42	4.30	13.00
KAR06			80	14.28	86.1	0.61	3.70	14.80
KAR06			100	12.54	90.8	0.95	3.00	16.80
KAR06			125	4.34	89.3	1.45	1.80	18.80
KAR06			160	-1.88	90.6	2.17	0.00	21.10
KAR06			200	-5.73	91.9	3.12	0.00	22.80
KAR07	3 168	3 172						
KAR07			20	31.37	63.9	0.00	5.60	7.60
KAR07			25	28.51	67.8	0.06	5.40	8.30
KAR07			32	27.58	73.3	0.10	5.20	9.20
KAR07			40	25.01	76.9	0.16	5.00	10.30
KAR07			50	24.15	82.0	0.22	4.70	11.50
KAR07			63	19.42	83.3	0.35	4.30	13.00
KAR07			80	15.96	86.1	0.51	3.70	14.80
KAR07			100	14.28	90.8	0.79	3.00	16.80
KAR07			125	6.17	89.3	1.21	1.80	18.80
KAR07			160	0.06	90.6	1.81	0.00	21.10
KAR07			200	-3.63	91.9	2.60	0.00	22.80
KAR08	2 687	2 693						
KAR08			20	32.80	63.9	0.00	5.60	7.60
KAR08			25	29.94	67.8	0.05	5.40	8.30
KAR08			32	29.02	73.3	0.08	5.20	9.20
KAR08			40	26.46	76.9	0.13	5.00	10.30
KAR08			50	25.61	82.0	0.19	4.70	11.50
KAR08			63	20.90	83.3	0.30	4.30	13.00
KAR08			80	17.47	86.1	0.43	3.70	14.80
KAR08			100	15.82	90.8	0.67	3.00	16.80
KAR08			125	7.77	89.3	1.02	1.80	18.80
KAR08			160	1.76	90.6	1.53	0.00	21.10
KAR08			200	-1.81	91.9	2.21	0.00	22.80
KAR09	5 293	5 296						
KAR09			20	26.92	63.9	0.00	5.60	7.60
KAR09			25	24.01	67.8	0.11	5.40	8.30
KAR09			32	23.06	73.3	0.16	5.20	9.20
KAR09			40	20.46	76.9	0.26	5.00	10.30
KAR09			50	19.55	82.0	0.37	4.70	11.50
KAR09			63	14.74	83.3	0.58	4.30	13.00
KAR09			80	11.17	86.1	0.85	3.70	14.80
KAR09			100	9.30	90.8	1.32	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			125	0.91	89.3	2.01	1.80	18.80
KAR09			160	-5.60	90.6	3.02	0.00	21.10
KAR09			200	-9.82	91.9	4.34	0.00	22.80
KAR10	4 696	4 699						
KAR10			20	27.96	63.9	0.00	5.60	7.60
KAR10			25	25.07	67.8	0.09	5.40	8.30
KAR10			32	24.12	73.3	0.14	5.20	9.20
KAR10			40	21.52	76.9	0.23	5.00	10.30
KAR10			50	20.63	82.0	0.33	4.70	11.50
KAR10			63	15.84	83.3	0.52	4.30	13.00
KAR10			80	12.31	86.1	0.75	3.70	14.80
KAR10			100	10.48	90.8	1.17	3.00	16.80
KAR10			125	2.17	89.3	1.79	1.80	18.80
KAR10			160	-4.22	90.6	2.68	0.00	21.10
KAR10			200	-8.29	91.9	3.85	0.00	22.80
KAR11	3 878	3 882						
KAR11			20	29.62	63.9	0.00	5.60	7.60
KAR11			25	26.74	67.8	0.08	5.40	8.30
KAR11			32	25.80	73.3	0.12	5.20	9.20
KAR11			40	23.23	76.9	0.19	5.00	10.30
KAR11			50	22.35	82.0	0.27	4.70	11.50
KAR11			63	17.59	83.3	0.43	4.30	13.00
KAR11			80	14.10	86.1	0.62	3.70	14.80
KAR11			100	12.35	90.8	0.97	3.00	16.80
KAR11			125	4.14	89.3	1.48	1.80	18.80
KAR11			160	-2.09	90.6	2.21	0.00	21.10
KAR11			200	-5.96	91.9	3.18	0.00	22.80
KAR12	4 851	4 854						
KAR12			20	27.68	63.9	0.00	5.60	7.60
KAR12			25	24.78	67.8	0.10	5.40	8.30
KAR12			32	23.83	73.3	0.15	5.20	9.20
KAR12			40	21.24	76.9	0.24	5.00	10.30
KAR12			50	20.34	82.0	0.34	4.70	11.50
KAR12			63	15.54	83.3	0.53	4.30	13.00
KAR12			80	12.00	86.1	0.78	3.70	14.80
KAR12			100	10.16	90.8	1.21	3.00	16.80
KAR12			125	1.83	89.3	1.84	1.80	18.80
KAR12			160	-4.59	90.6	2.77	0.00	21.10
KAR12			200	-8.70	91.9	3.98	0.00	22.80
KAR13	3 960	3 965						
KAR13			20	29.44	63.9	0.00	5.60	7.60
KAR13			25	26.56	67.8	0.08	5.40	8.30
KAR13			32	25.62	73.3	0.12	5.20	9.20
KAR13			40	23.04	76.9	0.20	5.00	10.30
KAR13			50	22.16	82.0	0.28	4.70	11.50
KAR13			63	17.40	83.3	0.44	4.30	13.00
KAR13			80	13.90	86.1	0.63	3.70	14.80
KAR13			100	12.15	90.8	0.99	3.00	16.80
KAR13			125	3.93	89.3	1.51	1.80	18.80
KAR13			160	-2.32	90.6	2.26	0.00	21.10
KAR13			200	-6.21	91.9	3.25	0.00	22.80
KAR14	5 438	5 442						
KAR14			20	26.69	63.9	0.00	5.60	7.60
KAR14			25	23.78	67.8	0.11	5.40	8.30
KAR14			32	22.82	73.3	0.16	5.20	9.20
KAR14			40	20.21	76.9	0.27	5.00	10.30
KAR14			50	19.30	82.0	0.38	4.70	11.50
KAR14			63	14.49	83.3	0.60	4.30	13.00
KAR14			80	10.91	86.1	0.87	3.70	14.80
KAR14			100	9.02	90.8	1.36	3.00	16.80
KAR14			125	0.62	89.3	2.07	1.80	18.80
KAR14			160	-5.92	90.6	3.10	0.00	21.10
KAR14			200	-10.18	91.9	4.46	0.00	22.80
KAR15	3 623	3 627						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			20	30.21	63.9	0.00	5.60	7.60
KAR15			25	27.34	67.8	0.07	5.40	8.30
KAR15			32	26.40	73.3	0.11	5.20	9.20
KAR15			40	23.83	76.9	0.18	5.00	10.30
KAR15			50	22.96	82.0	0.25	4.70	11.50
KAR15			63	18.21	83.3	0.40	4.30	13.00
KAR15			80	14.73	86.1	0.58	3.70	14.80
KAR15			100	13.00	90.8	0.91	3.00	16.80
KAR15			125	4.83	89.3	1.38	1.80	18.80
KAR15			160	-1.36	90.6	2.07	0.00	21.10
KAR15			200	-5.16	91.9	2.97	0.00	22.80
KAR16	5 383	5 386						
KAR16			20	26.78	63.9	0.00	5.60	7.60
KAR16			25	23.87	67.8	0.11	5.40	8.30
KAR16			32	22.91	73.3	0.16	5.20	9.20
KAR16			40	20.31	76.9	0.27	5.00	10.30
KAR16			50	19.40	82.0	0.38	4.70	11.50
KAR16			63	14.58	83.3	0.59	4.30	13.00
KAR16			80	11.01	86.1	0.86	3.70	14.80
KAR16			100	9.13	90.8	1.35	3.00	16.80
KAR16			125	0.73	89.3	2.05	1.80	18.80
KAR16			160	-5.79	90.6	3.07	0.00	21.10
KAR16			200	-10.04	91.9	4.42	0.00	22.80
KAR17	4 975	4 979						
KAR17			20	27.46	63.9	0.00	5.60	7.60
KAR17			25	24.56	67.8	0.10	5.40	8.30
KAR17			32	23.61	73.3	0.15	5.20	9.20
KAR17			40	21.01	76.9	0.25	5.00	10.30
KAR17			50	20.11	82.0	0.35	4.70	11.50
KAR17			63	15.31	83.3	0.55	4.30	13.00
KAR17			80	11.76	86.1	0.80	3.70	14.80
KAR17			100	9.91	90.8	1.24	3.00	16.80
KAR17			125	1.57	89.3	1.89	1.80	18.80
KAR17			160	-4.88	90.6	2.84	0.00	21.10
KAR17			200	-9.02	91.9	4.08	0.00	22.80
KAR18	6 047	6 050						
KAR18			20	25.76	63.9	0.00	5.60	7.60
KAR18			25	22.84	67.8	0.12	5.40	8.30
KAR18			32	21.88	73.3	0.18	5.20	9.20
KAR18			40	19.26	76.9	0.30	5.00	10.30
KAR18			50	18.34	82.0	0.42	4.70	11.50
KAR18			63	13.50	83.3	0.67	4.30	13.00
KAR18			80	9.90	86.1	0.97	3.70	14.80
KAR18			100	7.95	90.8	1.51	3.00	16.80
KAR18			125	-0.53	89.3	2.30	1.80	18.80
KAR18			160	-7.18	90.6	3.45	0.00	21.10
KAR18			200	-11.60	91.9	4.96	0.00	22.80
KAR19	4 172	4 176						
KAR19			20	28.98	63.9	0.00	5.60	7.60
KAR19			25	26.10	67.8	0.08	5.40	8.30
KAR19			32	25.16	73.3	0.13	5.20	9.20
KAR19			40	22.58	76.9	0.21	5.00	10.30
KAR19			50	21.69	82.0	0.29	4.70	11.50
KAR19			63	16.93	83.3	0.46	4.30	13.00
KAR19			80	13.42	86.1	0.67	3.70	14.80
KAR19			100	11.64	90.8	1.04	3.00	16.80
KAR19			125	3.40	89.3	1.59	1.80	18.80
KAR19			160	-2.90	90.6	2.38	0.00	21.10
KAR19			200	-6.84	91.9	3.42	0.00	22.80
KAR20	5 661	5 664						
KAR20			20	26.34	63.9	0.00	5.60	7.60
KAR20			25	23.42	67.8	0.11	5.40	8.30
KAR20			32	22.47	73.3	0.17	5.20	9.20
KAR20			40	19.85	76.9	0.28	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			50	18.94	82.0	0.40	4.70	11.50
KAR20			63	14.11	83.3	0.62	4.30	13.00
KAR20			80	10.53	86.1	0.91	3.70	14.80
KAR20			100	8.62	90.8	1.42	3.00	16.80
KAR20			125	0.19	89.3	2.15	1.80	18.80
KAR20			160	-6.39	90.6	3.23	0.00	21.10
KAR20			200	-10.71	91.9	4.64	0.00	22.80
KAR21	5 146	5 149						
KAR21			20	27.17	63.9	0.00	5.60	7.60
KAR21			25	24.26	67.8	0.10	5.40	8.30
KAR21			32	23.31	73.3	0.15	5.20	9.20
KAR21			40	20.71	76.9	0.26	5.00	10.30
KAR21			50	19.80	82.0	0.36	4.70	11.50
KAR21			63	15.00	83.3	0.57	4.30	13.00
KAR21			80	11.44	86.1	0.82	3.70	14.80
KAR21			100	9.58	90.8	1.29	3.00	16.80
KAR21			125	1.21	89.3	1.96	1.80	18.80
KAR21			160	-5.27	90.6	2.94	0.00	21.10
KAR21			200	-9.46	91.9	4.22	0.00	22.80
KAR22	4 972	4 975						
KAR22			20	27.46	63.9	0.00	5.60	7.60
KAR22			25	24.56	67.8	0.10	5.40	8.30
KAR22			32	23.61	73.3	0.15	5.20	9.20
KAR22			40	21.01	76.9	0.25	5.00	10.30
KAR22			50	20.12	82.0	0.35	4.70	11.50
KAR22			63	15.32	83.3	0.55	4.30	13.00
KAR22			80	11.77	86.1	0.80	3.70	14.80
KAR22			100	9.92	90.8	1.24	3.00	16.80
KAR22			125	1.57	89.3	1.89	1.80	18.80
KAR22			160	-4.87	90.6	2.84	0.00	21.10
KAR22			200	-9.02	91.9	4.08	0.00	22.80
KAR23	5 576	5 579						
KAR23			20	26.47	63.9	0.00	5.60	7.60
KAR23			25	23.56	67.8	0.11	5.40	8.30
KAR23			32	22.60	73.3	0.17	5.20	9.20
KAR23			40	19.99	76.9	0.28	5.00	10.30
KAR23			50	19.08	82.0	0.39	4.70	11.50
KAR23			63	14.25	83.3	0.61	4.30	13.00
KAR23			80	10.68	86.1	0.89	3.70	14.80
KAR23			100	8.77	90.8	1.39	3.00	16.80
KAR23			125	0.35	89.3	2.12	1.80	18.80
KAR23			160	-6.21	90.6	3.18	0.00	21.10
KAR23			200	-10.51	91.9	4.58	0.00	22.80
KAR24	4 627	4 630						
KAR24			20	28.09	63.9	0.00	5.60	7.60
KAR24			25	25.20	67.8	0.09	5.40	8.30
KAR24			32	24.25	73.3	0.14	5.20	9.20
KAR24			40	21.66	76.9	0.23	5.00	10.30
KAR24			50	20.76	82.0	0.32	4.70	11.50
KAR24			63	15.98	83.3	0.51	4.30	13.00
KAR24			80	12.45	86.1	0.74	3.70	14.80
KAR24			100	10.63	90.8	1.16	3.00	16.80
KAR24			125	2.33	89.3	1.76	1.80	18.80
KAR24			160	-4.05	90.6	2.64	0.00	21.10
KAR24			200	-8.11	91.9	3.80	0.00	22.80
KAR25	3 136	3 141						
KAR25			20	31.46	63.9	0.00	5.60	7.60
KAR25			25	28.60	67.8	0.06	5.40	8.30
KAR25			32	27.67	73.3	0.09	5.20	9.20
KAR25			40	25.10	76.9	0.16	5.00	10.30
KAR25			50	24.24	82.0	0.22	4.70	11.50
KAR25			63	19.51	83.3	0.35	4.30	13.00
KAR25			80	16.06	86.1	0.50	3.70	14.80
KAR25			100	14.37	90.8	0.79	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			125	6.27	89.3	1.19	1.80	18.80
KAR25			160	0.17	90.6	1.79	0.00	21.10
KAR25			200	-3.52	91.9	2.58	0.00	22.80
MAA01	4 313	4 314						
MAA01			20	28.70	63.9	0.00	5.60	7.60
MAA01			25	25.82	67.8	0.09	5.40	8.30
MAA01			32	24.87	73.3	0.13	5.20	9.20
MAA01			40	22.29	76.9	0.22	5.00	10.30
MAA01			50	21.40	82.0	0.30	4.70	11.50
MAA01			63	16.63	83.3	0.47	4.30	13.00
MAA01			80	13.11	86.1	0.69	3.70	14.80
MAA01			100	11.32	90.8	1.08	3.00	16.80
MAA01			125	3.06	89.3	1.64	1.80	18.80
MAA01			160	-3.26	90.6	2.46	0.00	21.10
MAA01			200	-7.24	91.9	3.54	0.00	22.80
MAA03	4 170	4 172						
MAA03			20	28.99	63.9	0.00	5.60	7.60
MAA03			25	26.11	67.8	0.08	5.40	8.30
MAA03			32	25.17	73.3	0.13	5.20	9.20
MAA03			40	22.58	76.9	0.21	5.00	10.30
MAA03			50	21.70	82.0	0.29	4.70	11.50
MAA03			63	16.93	83.3	0.46	4.30	13.00
MAA03			80	13.42	86.1	0.67	3.70	14.80
MAA03			100	11.65	90.8	1.04	3.00	16.80
MAA03			125	3.41	89.3	1.59	1.80	18.80
MAA03			160	-2.89	90.6	2.38	0.00	21.10
MAA03			200	-6.83	91.9	3.42	0.00	22.80
MAA04	3 015	3 018						
MAA04			20	31.81	63.9	0.00	5.60	7.60
MAA04			25	28.95	67.8	0.06	5.40	8.30
MAA04			32	28.02	73.3	0.09	5.20	9.20
MAA04			40	25.46	76.9	0.15	5.00	10.30
MAA04			50	24.60	82.0	0.21	4.70	11.50
MAA04			63	19.87	83.3	0.33	4.30	13.00
MAA04			80	16.42	86.1	0.48	3.70	14.80
MAA04			100	14.75	90.8	0.75	3.00	16.80
MAA04			125	6.66	89.3	1.15	1.80	18.80
MAA04			160	0.59	90.6	1.72	0.00	21.10
MAA04			200	-3.07	91.9	2.47	0.00	22.80
MAA05	4 047	4 049						
MAA05			20	29.25	63.9	0.00	5.60	7.60
MAA05			25	26.37	67.8	0.08	5.40	8.30
MAA05			32	25.43	73.3	0.12	5.20	9.20
MAA05			40	22.85	76.9	0.20	5.00	10.30
MAA05			50	21.97	82.0	0.28	4.70	11.50
MAA05			63	17.21	83.3	0.45	4.30	13.00
MAA05			80	13.71	86.1	0.65	3.70	14.80
MAA05			100	11.94	90.8	1.01	3.00	16.80
MAA05			125	3.71	89.3	1.54	1.80	18.80
MAA05			160	-2.55	90.6	2.31	0.00	21.10
MAA05			200	-6.47	91.9	3.32	0.00	22.80
MAA06	3 815	3 817						
MAA06			20	29.77	63.9	0.00	5.60	7.60
MAA06			25	26.89	67.8	0.08	5.40	8.30
MAA06			32	25.95	73.3	0.11	5.20	9.20
MAA06			40	23.37	76.9	0.19	5.00	10.30
MAA06			50	22.50	82.0	0.27	4.70	11.50
MAA06			63	17.75	83.3	0.42	4.30	13.00
MAA06			80	14.25	86.1	0.61	3.70	14.80
MAA06			100	12.51	90.8	0.95	3.00	16.80
MAA06			125	4.31	89.3	1.45	1.80	18.80
MAA06			160	-1.91	90.6	2.18	0.00	21.10
MAA06			200	-5.76	91.9	3.13	0.00	22.80
MAA07	3 512	3 514						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			20	30.48	63.9	0.00	5.60	7.60
MAA07			25	27.61	67.8	0.07	5.40	8.30
MAA07			32	26.68	73.3	0.11	5.20	9.20
MAA07			40	24.11	76.9	0.18	5.00	10.30
MAA07			50	23.24	82.0	0.25	4.70	11.50
MAA07			63	18.50	83.3	0.39	4.30	13.00
MAA07			80	15.02	86.1	0.56	3.70	14.80
MAA07			100	13.31	90.8	0.88	3.00	16.80
MAA07			125	5.15	89.3	1.34	1.80	18.80
MAA07			160	-1.02	90.6	2.00	0.00	21.10
MAA07			200	-4.80	91.9	2.88	0.00	22.80
MAA08	3 290	3 293						
MAA08			20	31.05	63.9	0.00	5.60	7.60
MAA08			25	28.18	67.8	0.07	5.40	8.30
MAA08			32	27.25	73.3	0.10	5.20	9.20
MAA08			40	24.68	76.9	0.16	5.00	10.30
MAA08			50	23.82	82.0	0.23	4.70	11.50
MAA08			63	19.09	83.3	0.36	4.30	13.00
MAA08			80	15.62	86.1	0.53	3.70	14.80
MAA08			100	13.93	90.8	0.82	3.00	16.80
MAA08			125	5.80	89.3	1.25	1.80	18.80
MAA08			160	-0.33	90.6	1.88	0.00	21.10
MAA08			200	-4.05	91.9	2.70	0.00	22.80
RAH01	6 053	6 055						
RAH01			20	23.91	62.0	0.00	5.60	7.60
RAH01			25	22.28	67.2	0.12	5.40	8.30
RAH01			32	20.62	72.0	0.18	5.20	9.20
RAH01			40	19.18	76.8	0.30	5.00	10.30
RAH01			50	17.56	81.2	0.42	4.70	11.50
RAH01			63	15.22	85.0	0.67	4.30	13.00
RAH01			80	12.11	88.3	0.97	3.70	14.80
RAH01			100	8.24	91.1	1.51	3.00	16.80
RAH01			125	3.46	93.3	2.30	1.80	18.80
RAH01			160	-2.82	95.0	3.45	0.00	21.10
RAH01			200	-7.41	96.1	4.97	0.00	22.80
RAH02	5 826	5 828						
RAH02			20	24.24	62.0	0.00	5.60	7.60
RAH02			25	22.62	67.2	0.12	5.40	8.30
RAH02			32	20.96	72.0	0.17	5.20	9.20
RAH02			40	19.52	76.8	0.29	5.00	10.30
RAH02			50	17.91	81.2	0.41	4.70	11.50
RAH02			63	15.57	85.0	0.64	4.30	13.00
RAH02			80	12.48	88.3	0.93	3.70	14.80
RAH02			100	8.63	91.1	1.46	3.00	16.80
RAH02			125	3.87	93.3	2.21	1.80	18.80
RAH02			160	-2.36	95.0	3.32	0.00	21.10
RAH02			200	-6.89	96.1	4.78	0.00	22.80
RAH03	5 369	5 370						
RAH03			20	24.95	62.0	0.00	5.60	7.60
RAH03			25	23.34	67.2	0.11	5.40	8.30
RAH03			32	21.69	72.0	0.16	5.20	9.20
RAH03			40	20.26	76.8	0.27	5.00	10.30
RAH03			50	18.65	81.2	0.38	4.70	11.50
RAH03			63	16.33	85.0	0.59	4.30	13.00
RAH03			80	13.26	88.3	0.86	3.70	14.80
RAH03			100	9.46	91.1	1.34	3.00	16.80
RAH03			125	4.76	93.3	2.04	1.80	18.80
RAH03			160	-1.39	95.0	3.06	0.00	21.10
RAH03			200	-5.80	96.1	4.40	0.00	22.80
RAH04	5 587	5 589						
RAH04			20	24.60	62.0	0.00	5.60	7.60
RAH04			25	22.99	67.2	0.11	5.40	8.30
RAH04			32	21.33	72.0	0.17	5.20	9.20
RAH04			40	19.90	76.8	0.28	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			50	18.29	81.2	0.39	4.70	11.50
RAH04			63	15.96	85.0	0.61	4.30	13.00
RAH04			80	12.88	88.3	0.89	3.70	14.80
RAH04			100	9.06	91.1	1.40	3.00	16.80
RAH04			125	4.33	93.3	2.12	1.80	18.80
RAH04			160	-1.86	95.0	3.19	0.00	21.10
RAH04			200	-6.33	96.1	4.58	0.00	22.80
RAH05	4 866	4 868						
RAH05			20	25.80	62.0	0.00	5.60	7.60
RAH05			25	24.20	67.2	0.10	5.40	8.30
RAH05			32	22.55	72.0	0.15	5.20	9.20
RAH05			40	21.13	76.8	0.24	5.00	10.30
RAH05			50	19.54	81.2	0.34	4.70	11.50
RAH05			63	17.24	85.0	0.54	4.30	13.00
RAH05			80	14.20	88.3	0.78	3.70	14.80
RAH05			100	10.44	91.1	1.22	3.00	16.80
RAH05			125	5.80	93.3	1.85	1.80	18.80
RAH05			160	-0.25	95.0	2.78	0.00	21.10
RAH05			200	-4.54	96.1	3.99	0.00	22.80
RAH06	4 767	4 770						
RAH06			20	25.98	62.0	0.00	5.60	7.60
RAH06			25	24.38	67.2	0.10	5.40	8.30
RAH06			32	22.74	72.0	0.14	5.20	9.20
RAH06			40	21.32	76.8	0.24	5.00	10.30
RAH06			50	19.72	81.2	0.33	4.70	11.50
RAH06			63	17.43	85.0	0.52	4.30	13.00
RAH06			80	14.39	88.3	0.76	3.70	14.80
RAH06			100	10.64	91.1	1.19	3.00	16.80
RAH06			125	6.02	93.3	1.81	1.80	18.80
RAH06			160	-0.01	95.0	2.72	0.00	21.10
RAH06			200	-4.28	96.1	3.91	0.00	22.80
RAH07	5 881	5 883						
RAH07			20	24.16	62.0	0.00	5.60	7.60
RAH07			25	22.54	67.2	0.12	5.40	8.30
RAH07			32	20.88	72.0	0.18	5.20	9.20
RAH07			40	19.44	76.8	0.29	5.00	10.30
RAH07			50	17.82	81.2	0.41	4.70	11.50
RAH07			63	15.49	85.0	0.65	4.30	13.00
RAH07			80	12.39	88.3	0.94	3.70	14.80
RAH07			100	8.54	91.1	1.47	3.00	16.80
RAH07			125	3.77	93.3	2.24	1.80	18.80
RAH07			160	-2.47	95.0	3.35	0.00	21.10
RAH07			200	-7.02	96.1	4.82	0.00	22.80
RAH08	6 302	6 303						
RAH08			20	23.56	62.0	0.00	5.60	7.60
RAH08			25	21.93	67.2	0.13	5.40	8.30
RAH08			32	20.27	72.0	0.19	5.20	9.20
RAH08			40	18.82	76.8	0.32	5.00	10.30
RAH08			50	17.19	81.2	0.44	4.70	11.50
RAH08			63	14.84	85.0	0.69	4.30	13.00
RAH08			80	11.72	88.3	1.01	3.70	14.80
RAH08			100	7.83	91.1	1.58	3.00	16.80
RAH08			125	3.01	93.3	2.40	1.80	18.80
RAH08			160	-3.31	95.0	3.59	0.00	21.10
RAH08			200	-7.96	96.1	5.17	0.00	22.80
RAH09	5 528	5 530						
RAH09			20	24.69	62.0	0.00	5.60	7.60
RAH09			25	23.08	67.2	0.11	5.40	8.30
RAH09			32	21.43	72.0	0.17	5.20	9.20
RAH09			40	19.99	76.8	0.28	5.00	10.30
RAH09			50	18.38	81.2	0.39	4.70	11.50
RAH09			63	16.06	85.0	0.61	4.30	13.00
RAH09			80	12.99	88.3	0.88	3.70	14.80
RAH09			100	9.16	91.1	1.38	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			125	4.44	93.3	2.10	1.80	18.80
RAH09			160	-1.73	95.0	3.15	0.00	21.10
RAH09			200	-6.19	96.1	4.53	0.00	22.80
RAH10	6 204	6 206						
RAH10			20	23.69	62.0	0.00	5.60	7.60
RAH10			25	22.07	67.2	0.12	5.40	8.30
RAH10			32	20.41	72.0	0.19	5.20	9.20
RAH10			40	18.96	76.8	0.31	5.00	10.30
RAH10			50	17.33	81.2	0.43	4.70	11.50
RAH10			63	14.99	85.0	0.68	4.30	13.00
RAH10			80	11.87	88.3	0.99	3.70	14.80
RAH10			100	7.99	91.1	1.55	3.00	16.80
RAH10			125	3.19	93.3	2.36	1.80	18.80
RAH10			160	-3.12	95.0	3.54	0.00	21.10
RAH10			200	-7.75	96.1	5.09	0.00	22.80
RAH11	5 880	5 882						
RAH11			20	24.16	62.0	0.00	5.60	7.60
RAH11			25	22.54	67.2	0.12	5.40	8.30
RAH11			32	20.88	72.0	0.18	5.20	9.20
RAH11			40	19.44	76.8	0.29	5.00	10.30
RAH11			50	17.82	81.2	0.41	4.70	11.50
RAH11			63	15.49	85.0	0.65	4.30	13.00
RAH11			80	12.39	88.3	0.94	3.70	14.80
RAH11			100	8.54	91.1	1.47	3.00	16.80
RAH11			125	3.77	93.3	2.24	1.80	18.80
RAH11			160	-2.47	95.0	3.35	0.00	21.10
RAH11			200	-7.01	96.1	4.82	0.00	22.80
RAH12	6 610	6 612						
RAH12			20	23.14	62.0	0.00	5.60	7.60
RAH12			25	21.51	67.2	0.13	5.40	8.30
RAH12			32	19.84	72.0	0.20	5.20	9.20
RAH12			40	18.39	76.8	0.33	5.00	10.30
RAH12			50	16.75	81.2	0.46	4.70	11.50
RAH12			63	14.39	85.0	0.73	4.30	13.00
RAH12			80	11.26	88.3	1.06	3.70	14.80
RAH12			100	7.34	91.1	1.65	3.00	16.80
RAH12			125	2.48	93.3	2.51	1.80	18.80
RAH12			160	-3.90	95.0	3.77	0.00	21.10
RAH12			200	-8.63	96.1	5.42	0.00	22.80
RAH13	6 571	6 573						
RAH13			20	23.19	62.0	0.00	5.60	7.60
RAH13			25	21.56	67.2	0.13	5.40	8.30
RAH13			32	19.90	72.0	0.20	5.20	9.20
RAH13			40	18.44	76.8	0.33	5.00	10.30
RAH13			50	16.81	81.2	0.46	4.70	11.50
RAH13			63	14.45	85.0	0.72	4.30	13.00
RAH13			80	11.32	88.3	1.05	3.70	14.80
RAH13			100	7.40	91.1	1.64	3.00	16.80
RAH13			125	2.55	93.3	2.50	1.80	18.80
RAH13			160	-3.83	95.0	3.75	0.00	21.10
RAH13			200	-8.54	96.1	5.39	0.00	22.80
RAH14	5 922	5 924						
RAH14			20	24.10	62.0	0.00	5.60	7.60
RAH14			25	22.48	67.2	0.12	5.40	8.30
RAH14			32	20.82	72.0	0.18	5.20	9.20
RAH14			40	19.38	76.8	0.30	5.00	10.30
RAH14			50	17.76	81.2	0.41	4.70	11.50
RAH14			63	15.42	85.0	0.65	4.30	13.00
RAH14			80	12.32	88.3	0.95	3.70	14.80
RAH14			100	8.47	91.1	1.48	3.00	16.80
RAH14			125	3.70	93.3	2.25	1.80	18.80
RAH14			160	-2.55	95.0	3.38	0.00	21.10
RAH14			200	-7.11	96.1	4.86	0.00	22.80
RAH15	6 727	6 729						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			20	22.99	62.0	0.00	5.60	7.60
RAH15			25	21.35	67.2	0.13	5.40	8.30
RAH15			32	19.69	72.0	0.20	5.20	9.20
RAH15			40	18.23	76.8	0.34	5.00	10.30
RAH15			50	16.59	81.2	0.47	4.70	11.50
RAH15			63	14.22	85.0	0.74	4.30	13.00
RAH15			80	11.09	88.3	1.08	3.70	14.80
RAH15			100	7.16	91.1	1.68	3.00	16.80
RAH15			125	2.28	93.3	2.56	1.80	18.80
RAH15			160	-4.12	95.0	3.84	0.00	21.10
RAH15			200	-8.88	96.1	5.52	0.00	22.80
RAH16	7 383	7 384						
RAH16			20	22.18	62.0	0.00	5.60	7.60
RAH16			25	20.53	67.2	0.15	5.40	8.30
RAH16			32	18.86	72.0	0.22	5.20	9.20
RAH16			40	17.39	76.8	0.37	5.00	10.30
RAH16			50	15.74	81.2	0.52	4.70	11.50
RAH16			63	13.35	85.0	0.81	4.30	13.00
RAH16			80	10.18	88.3	1.18	3.70	14.80
RAH16			100	6.19	91.1	1.85	3.00	16.80
RAH16			125	1.23	93.3	2.81	1.80	18.80
RAH16			160	-5.30	95.0	4.21	0.00	21.10
RAH16			200	-10.22	96.1	6.05	0.00	22.80
RAH17	5 642	5 645						
RAH17			20	24.52	62.0	0.00	5.60	7.60
RAH17			25	22.90	67.2	0.11	5.40	8.30
RAH17			32	21.25	72.0	0.17	5.20	9.20
RAH17			40	19.81	76.8	0.28	5.00	10.30
RAH17			50	18.20	81.2	0.40	4.70	11.50
RAH17			63	15.87	85.0	0.62	4.30	13.00
RAH17			80	12.79	88.3	0.90	3.70	14.80
RAH17			100	8.96	91.1	1.41	3.00	16.80
RAH17			125	4.22	93.3	2.14	1.80	18.80
RAH17			160	-1.97	95.0	3.22	0.00	21.10
RAH17			200	-6.46	96.1	4.63	0.00	22.80
RAH18	6 305	6 307						
RAH18			20	23.55	62.0	0.00	5.60	7.60
RAH18			25	21.93	67.2	0.13	5.40	8.30
RAH18			32	20.26	72.0	0.19	5.20	9.20
RAH18			40	18.81	76.8	0.32	5.00	10.30
RAH18			50	17.19	81.2	0.44	4.70	11.50
RAH18			63	14.83	85.0	0.69	4.30	13.00
RAH18			80	11.72	88.3	1.01	3.70	14.80
RAH18			100	7.83	91.1	1.58	3.00	16.80
RAH18			125	3.01	93.3	2.40	1.80	18.80
RAH18			160	-3.32	95.0	3.60	0.00	21.10
RAH18			200	-7.97	96.1	5.17	0.00	22.80
RAH19	6 099	6 101						
RAH19			20	23.84	62.0	0.00	5.60	7.60
RAH19			25	22.22	67.2	0.12	5.40	8.30
RAH19			32	20.56	72.0	0.18	5.20	9.20
RAH19			40	19.11	76.8	0.31	5.00	10.30
RAH19			50	17.49	81.2	0.43	4.70	11.50
RAH19			63	15.15	85.0	0.67	4.30	13.00
RAH19			80	12.04	88.3	0.98	3.70	14.80
RAH19			100	8.17	91.1	1.53	3.00	16.80
RAH19			125	3.37	93.3	2.32	1.80	18.80
RAH19			160	-2.91	95.0	3.48	0.00	21.10
RAH19			200	-7.51	96.1	5.00	0.00	22.80
SIL01	11 958	11 959						
SIL01			20	19.27	63.3	0.00	5.60	7.60
SIL01			25	17.42	68.4	0.24	5.40	8.30
SIL01			32	11.42	68.9	0.36	5.20	9.20
SIL01			40	8.27	72.1	0.60	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			50	6.83	76.8	0.84	4.70	11.50
SIL01			63	3.44	79.8	1.32	4.30	13.00
SIL01			80	-0.46	82.6	1.91	3.70	14.80
SIL01			100	-4.21	86.0	2.99	3.00	16.80
SIL01			125	-8.71	89.3	4.54	1.80	18.80
SIL01			160	-18.89	88.2	6.82	0.00	21.10
SIL01			200	-24.27	90.0	9.81	0.00	22.80
SIL02	11 358	11 359						
SIL02			20	19.72	63.3	0.00	5.60	7.60
SIL02			25	17.88	68.4	0.23	5.40	8.30
SIL02			32	11.88	68.9	0.34	5.20	9.20
SIL02			40	8.75	72.1	0.57	5.00	10.30
SIL02			50	7.32	76.8	0.80	4.70	11.50
SIL02			63	3.95	79.8	1.25	4.30	13.00
SIL02			80	0.09	82.6	1.82	3.70	14.80
SIL02			100	-3.62	86.0	2.84	3.00	16.80
SIL02			125	-8.03	89.3	4.32	1.80	18.80
SIL02			160	-18.10	88.2	6.47	0.00	21.10
SIL02			200	-23.33	90.0	9.31	0.00	22.80
SIL03	10 648	10 649						
SIL03			20	20.28	63.3	0.00	5.60	7.60
SIL03			25	18.46	68.4	0.21	5.40	8.30
SIL03			32	12.46	68.9	0.32	5.20	9.20
SIL03			40	9.34	72.1	0.53	5.00	10.30
SIL03			50	7.93	76.8	0.75	4.70	11.50
SIL03			63	4.59	79.8	1.17	4.30	13.00
SIL03			80	0.76	82.6	1.70	3.70	14.80
SIL03			100	-2.88	86.0	2.66	3.00	16.80
SIL03			125	-7.20	89.3	4.05	1.80	18.80
SIL03			160	-17.13	88.2	6.07	0.00	21.10
SIL03			200	-22.19	90.0	8.73	0.00	22.80
SIL04	10 761	10 762						
SIL04			20	20.19	63.3	0.00	5.60	7.60
SIL04			25	18.36	68.4	0.22	5.40	8.30
SIL04			32	12.37	68.9	0.32	5.20	9.20
SIL04			40	9.25	72.1	0.54	5.00	10.30
SIL04			50	7.83	76.8	0.75	4.70	11.50
SIL04			63	4.48	79.8	1.18	4.30	13.00
SIL04			80	0.65	82.6	1.72	3.70	14.80
SIL04			100	-3.00	86.0	2.69	3.00	16.80
SIL04			125	-7.34	89.3	4.09	1.80	18.80
SIL04			160	-17.29	88.2	6.13	0.00	21.10
SIL04			200	-22.37	90.0	8.82	0.00	22.80
SIL05	11 789	11 790						
SIL05			20	19.39	63.3	0.00	5.60	7.60
SIL05			25	17.55	68.4	0.24	5.40	8.30
SIL05			32	11.55	68.9	0.35	5.20	9.20
SIL05			40	8.40	72.1	0.59	5.00	10.30
SIL05			50	6.97	76.8	0.83	4.70	11.50
SIL05			63	3.58	79.8	1.30	4.30	13.00
SIL05			80	-0.31	82.6	1.89	3.70	14.80
SIL05			100	-4.05	86.0	2.95	3.00	16.80
SIL05			125	-8.52	89.3	4.48	1.80	18.80
SIL05			160	-18.67	88.2	6.72	0.00	21.10
SIL05			200	-24.01	90.0	9.67	0.00	22.80
SIL06	11 341	11 342						
SIL06			20	19.73	63.3	0.00	5.60	7.60
SIL06			25	17.90	68.4	0.23	5.40	8.30
SIL06			32	11.90	68.9	0.34	5.20	9.20
SIL06			40	8.76	72.1	0.57	5.00	10.30
SIL06			50	7.34	76.8	0.79	4.70	11.50
SIL06			63	3.96	79.8	1.25	4.30	13.00
SIL06			80	0.10	82.6	1.81	3.70	14.80
SIL06			100	-3.60	86.0	2.84	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			125	-8.02	89.3	4.31	1.80	18.80
SIL06			160	-18.08	88.2	6.47	0.00	21.10
SIL06			200	-23.31	90.0	9.30	0.00	22.80
SIL07	10 813	10 814						
SIL07			20	20.14	63.3	0.00	5.60	7.60
SIL07			25	18.32	68.4	0.22	5.40	8.30
SIL07			32	12.33	68.9	0.32	5.20	9.20
SIL07			40	9.20	72.1	0.54	5.00	10.30
SIL07			50	7.79	76.8	0.76	4.70	11.50
SIL07			63	4.44	79.8	1.19	4.30	13.00
SIL07			80	0.60	82.6	1.73	3.70	14.80
SIL07			100	-3.05	86.0	2.70	3.00	16.80
SIL07			125	-7.40	89.3	4.11	1.80	18.80
SIL07			160	-17.36	88.2	6.16	0.00	21.10
SIL07			200	-22.46	90.0	8.87	0.00	22.80
SIL08	11 243	11 244						
SIL08			20	19.80	63.3	0.00	5.60	7.60
SIL08			25	17.97	68.4	0.22	5.40	8.30
SIL08			32	11.97	68.9	0.34	5.20	9.20
SIL08			40	8.84	72.1	0.56	5.00	10.30
SIL08			50	7.42	76.8	0.79	4.70	11.50
SIL08			63	4.05	79.8	1.24	4.30	13.00
SIL08			80	0.19	82.6	1.80	3.70	14.80
SIL08			100	-3.50	86.0	2.81	3.00	16.80
SIL08			125	-7.90	89.3	4.27	1.80	18.80
SIL08			160	-17.95	88.2	6.41	0.00	21.10
SIL08			200	-23.15	90.0	9.22	0.00	22.80
Sum								
Sum			20	45.18				
Sum			25	42.54				
Sum			32	41.39				
Sum			40	39.02				
Sum			50	37.99				
Sum			63	33.80				
Sum			80	30.42				
Sum			100	28.13				
Sum			125	20.93				
Sum			160	14.67				
Sum			200	10.58				

Noise sensitive area: AO Noise sensitive point: Finnish normal frequency - User defined (7)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	2 949	2 954						
KAR01			20	31.99	63.9	0.00	5.60	7.60
KAR01			25	29.13	67.8	0.06	5.40	8.30
KAR01			32	28.20	73.3	0.09	5.20	9.20
KAR01			40	25.64	76.9	0.15	5.00	10.30
KAR01			50	24.78	82.0	0.21	4.70	11.50
KAR01			63	20.07	83.3	0.32	4.30	13.00
KAR01			80	16.62	86.1	0.47	3.70	14.80
KAR01			100	14.95	90.8	0.74	3.00	16.80
KAR01			125	6.87	89.3	1.12	1.80	18.80
KAR01			160	0.81	90.6	1.68	0.00	21.10
KAR01			200	-2.83	91.9	2.42	0.00	22.80
KAR02	2 028	2 035						
KAR02			20	35.23	63.9	0.00	5.60	7.60
KAR02			25	32.39	67.8	0.04	5.40	8.30
KAR02			32	31.47	73.3	0.06	5.20	9.20
KAR02			40	28.93	76.9	0.10	5.00	10.30
KAR02			50	28.09	82.0	0.14	4.70	11.50
KAR02			63	23.40	83.3	0.22	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR02			80	20.00	86.1	0.33	3.70	14.80
KAR02			100	18.42	90.8	0.51	3.00	16.80
KAR02			125	10.45	89.3	0.77	1.80	18.80
KAR02			160	4.57	90.6	1.16	0.00	21.10
KAR02			200	1.16	91.9	1.67	0.00	22.80
KAR03	2 680	2 686						
KAR03			20	32.82	63.9	0.00	5.60	7.60
KAR03			25	29.96	67.8	0.05	5.40	8.30
KAR03			32	29.04	73.3	0.08	5.20	9.20
KAR03			40	26.48	76.9	0.13	5.00	10.30
KAR03			50	25.63	82.0	0.19	4.70	11.50
KAR03			63	20.92	83.3	0.30	4.30	13.00
KAR03			80	17.49	86.1	0.43	3.70	14.80
KAR03			100	15.85	90.8	0.67	3.00	16.80
KAR03			125	7.80	89.3	1.02	1.80	18.80
KAR03			160	1.79	90.6	1.53	0.00	21.10
KAR03			200	-1.78	91.9	2.20	0.00	22.80
KAR04	3 400	3 405						
KAR04			20	30.76	63.9	0.00	5.60	7.60
KAR04			25	27.89	67.8	0.07	5.40	8.30
KAR04			32	26.96	73.3	0.10	5.20	9.20
KAR04			40	24.39	76.9	0.17	5.00	10.30
KAR04			50	23.52	82.0	0.24	4.70	11.50
KAR04			63	18.78	83.3	0.37	4.30	13.00
KAR04			80	15.31	86.1	0.54	3.70	14.80
KAR04			100	13.61	90.8	0.85	3.00	16.80
KAR04			125	5.46	89.3	1.29	1.80	18.80
KAR04			160	-0.68	90.6	1.94	0.00	21.10
KAR04			200	-4.43	91.9	2.79	0.00	22.80
KAR05	4 113	4 117						
KAR05			20	29.11	63.9	0.00	5.60	7.60
KAR05			25	26.23	67.8	0.08	5.40	8.30
KAR05			32	25.29	73.3	0.12	5.20	9.20
KAR05			40	22.70	76.9	0.21	5.00	10.30
KAR05			50	21.82	82.0	0.29	4.70	11.50
KAR05			63	17.06	83.3	0.45	4.30	13.00
KAR05			80	13.55	86.1	0.66	3.70	14.80
KAR05			100	11.78	90.8	1.03	3.00	16.80
KAR05			125	3.54	89.3	1.56	1.80	18.80
KAR05			160	-2.74	90.6	2.35	0.00	21.10
KAR05			200	-6.67	91.9	3.38	0.00	22.80
KAR06	2 845	2 850						
KAR06			20	32.30	63.9	0.00	5.60	7.60
KAR06			25	29.44	67.8	0.06	5.40	8.30
KAR06			32	28.52	73.3	0.09	5.20	9.20
KAR06			40	25.96	76.9	0.14	5.00	10.30
KAR06			50	25.10	82.0	0.20	4.70	11.50
KAR06			63	20.39	83.3	0.31	4.30	13.00
KAR06			80	16.95	86.1	0.46	3.70	14.80
KAR06			100	15.29	90.8	0.71	3.00	16.80
KAR06			125	7.22	89.3	1.08	1.80	18.80
KAR06			160	1.18	90.6	1.62	0.00	21.10
KAR06			200	-2.44	91.9	2.34	0.00	22.80
KAR07	2 308	2 314						
KAR07			20	34.11	63.9	0.00	5.60	7.60
KAR07			25	31.26	67.8	0.05	5.40	8.30
KAR07			32	30.34	73.3	0.07	5.20	9.20
KAR07			40	27.80	76.9	0.12	5.00	10.30
KAR07			50	26.95	82.0	0.16	4.70	11.50
KAR07			63	22.26	83.3	0.25	4.30	13.00
KAR07			80	18.84	86.1	0.37	3.70	14.80
KAR07			100	17.23	90.8	0.58	3.00	16.80
KAR07			125	9.23	89.3	0.88	1.80	18.80
KAR07			160	3.29	90.6	1.32	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR07			200	-0.19	91.9	1.90	0.00	22.80
KAR08	2 033	2 040						
KAR08			20	35.21	63.9	0.00	5.60	7.60
KAR08			25	32.37	67.8	0.04	5.40	8.30
KAR08			32	31.45	73.3	0.06	5.20	9.20
KAR08			40	28.91	76.9	0.10	5.00	10.30
KAR08			50	28.06	82.0	0.14	4.70	11.50
KAR08			63	23.38	83.3	0.22	4.30	13.00
KAR08			80	19.98	86.1	0.33	3.70	14.80
KAR08			100	18.40	90.8	0.51	3.00	16.80
KAR08			125	10.43	89.3	0.78	1.80	18.80
KAR08			160	4.54	90.6	1.16	0.00	21.10
KAR08			200	1.13	91.9	1.67	0.00	22.80
KAR09	4 302	4 306						
KAR09			20	28.72	63.9	0.00	5.60	7.60
KAR09			25	25.83	67.8	0.09	5.40	8.30
KAR09			32	24.89	73.3	0.13	5.20	9.20
KAR09			40	22.30	76.9	0.22	5.00	10.30
KAR09			50	21.42	82.0	0.30	4.70	11.50
KAR09			63	16.65	83.3	0.47	4.30	13.00
KAR09			80	13.13	86.1	0.69	3.70	14.80
KAR09			100	11.34	90.8	1.08	3.00	16.80
KAR09			125	3.08	89.3	1.64	1.80	18.80
KAR09			160	-3.23	90.6	2.45	0.00	21.10
KAR09			200	-7.21	91.9	3.53	0.00	22.80
KAR10	3 733	3 738						
KAR10			20	29.95	63.9	0.00	5.60	7.60
KAR10			25	27.07	67.8	0.07	5.40	8.30
KAR10			32	26.14	73.3	0.11	5.20	9.20
KAR10			40	23.56	76.9	0.19	5.00	10.30
KAR10			50	22.69	82.0	0.26	4.70	11.50
KAR10			63	17.94	83.3	0.41	4.30	13.00
KAR10			80	14.45	86.1	0.60	3.70	14.80
KAR10			100	12.71	90.8	0.93	3.00	16.80
KAR10			125	4.53	89.3	1.42	1.80	18.80
KAR10			160	-1.68	90.6	2.13	0.00	21.10
KAR10			200	-5.52	91.9	3.07	0.00	22.80
KAR11	3 034	3 040						
KAR11			20	31.74	63.9	0.00	5.60	7.60
KAR11			25	28.88	67.8	0.06	5.40	8.30
KAR11			32	27.95	73.3	0.09	5.20	9.20
KAR11			40	25.39	76.9	0.15	5.00	10.30
KAR11			50	24.53	82.0	0.21	4.70	11.50
KAR11			63	19.81	83.3	0.33	4.30	13.00
KAR11			80	16.36	86.1	0.49	3.70	14.80
KAR11			100	14.68	90.8	0.76	3.00	16.80
KAR11			125	6.59	89.3	1.16	1.80	18.80
KAR11			160	0.51	90.6	1.73	0.00	21.10
KAR11			200	-3.15	91.9	2.49	0.00	22.80
KAR12	3 967	3 971						
KAR12			20	29.42	63.9	0.00	5.60	7.60
KAR12			25	26.54	67.8	0.08	5.40	8.30
KAR12			32	25.60	73.3	0.12	5.20	9.20
KAR12			40	23.02	76.9	0.20	5.00	10.30
KAR12			50	22.14	82.0	0.28	4.70	11.50
KAR12			63	17.39	83.3	0.44	4.30	13.00
KAR12			80	13.89	86.1	0.64	3.70	14.80
KAR12			100	12.13	90.8	0.99	3.00	16.80
KAR12			125	3.91	89.3	1.51	1.80	18.80
KAR12			160	-2.34	90.6	2.26	0.00	21.10
KAR12			200	-6.23	91.9	3.26	0.00	22.80
KAR13	3 227	3 232						
KAR13			20	31.21	63.9	0.00	5.60	7.60
KAR13			25	28.35	67.8	0.06	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR13			32	27.41	73.3	0.10	5.20	9.20
KAR13			40	24.85	76.9	0.16	5.00	10.30
KAR13			50	23.98	82.0	0.23	4.70	11.50
KAR13			63	19.26	83.3	0.36	4.30	13.00
KAR13			80	15.79	86.1	0.52	3.70	14.80
KAR13			100	14.10	90.8	0.81	3.00	16.80
KAR13			125	5.98	89.3	1.23	1.80	18.80
KAR13			160	-0.13	90.6	1.84	0.00	21.10
KAR13			200	-3.84	91.9	2.65	0.00	22.80
KAR14	4 526	4 530						
KAR14			20	28.28	63.9	0.00	5.60	7.60
KAR14			25	25.39	67.8	0.09	5.40	8.30
KAR14			32	24.44	73.3	0.14	5.20	9.20
KAR14			40	21.85	76.9	0.23	5.00	10.30
KAR14			50	20.96	82.0	0.32	4.70	11.50
KAR14			63	16.18	83.3	0.50	4.30	13.00
KAR14			80	12.65	86.1	0.72	3.70	14.80
KAR14			100	10.85	90.8	1.13	3.00	16.80
KAR14			125	2.56	89.3	1.72	1.80	18.80
KAR14			160	-3.80	90.6	2.58	0.00	21.10
KAR14			200	-7.84	91.9	3.71	0.00	22.80
KAR15	3 028	3 033						
KAR15			20	31.76	63.9	0.00	5.60	7.60
KAR15			25	28.90	67.8	0.06	5.40	8.30
KAR15			32	27.97	73.3	0.09	5.20	9.20
KAR15			40	25.41	76.9	0.15	5.00	10.30
KAR15			50	24.55	82.0	0.21	4.70	11.50
KAR15			63	19.83	83.3	0.33	4.30	13.00
KAR15			80	16.38	86.1	0.49	3.70	14.80
KAR15			100	14.70	90.8	0.76	3.00	16.80
KAR15			125	6.61	89.3	1.15	1.80	18.80
KAR15			160	0.53	90.6	1.73	0.00	21.10
KAR15			200	-3.12	91.9	2.49	0.00	22.80
KAR16	4 552	4 556						
KAR16			20	28.23	63.9	0.00	5.60	7.60
KAR16			25	25.34	67.8	0.09	5.40	8.30
KAR16			32	24.39	73.3	0.14	5.20	9.20
KAR16			40	21.80	76.9	0.23	5.00	10.30
KAR16			50	20.91	82.0	0.32	4.70	11.50
KAR16			63	16.13	83.3	0.50	4.30	13.00
KAR16			80	12.60	86.1	0.73	3.70	14.80
KAR16			100	10.79	90.8	1.14	3.00	16.80
KAR16			125	2.50	89.3	1.73	1.80	18.80
KAR16			160	-3.87	90.6	2.60	0.00	21.10
KAR16			200	-7.91	91.9	3.74	0.00	22.80
KAR17	4 232	4 236						
KAR17			20	28.86	63.9	0.00	5.60	7.60
KAR17			25	25.98	67.8	0.08	5.40	8.30
KAR17			32	25.03	73.3	0.13	5.20	9.20
KAR17			40	22.45	76.9	0.21	5.00	10.30
KAR17			50	21.56	82.0	0.30	4.70	11.50
KAR17			63	16.79	83.3	0.47	4.30	13.00
KAR17			80	13.28	86.1	0.68	3.70	14.80
KAR17			100	11.50	90.8	1.06	3.00	16.80
KAR17			125	3.25	89.3	1.61	1.80	18.80
KAR17			160	-3.05	90.6	2.41	0.00	21.10
KAR17			200	-7.01	91.9	3.47	0.00	22.80
KAR18	5 174	5 177						
KAR18			20	27.12	63.9	0.00	5.60	7.60
KAR18			25	24.21	67.8	0.10	5.40	8.30
KAR18			32	23.26	73.3	0.16	5.20	9.20
KAR18			40	20.66	76.9	0.26	5.00	10.30
KAR18			50	19.76	82.0	0.36	4.70	11.50
KAR18			63	14.95	83.3	0.57	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR18			80	11.39	86.1	0.83	3.70	14.80
KAR18			100	9.52	90.8	1.29	3.00	16.80
KAR18			125	1.15	89.3	1.97	1.80	18.80
KAR18			160	-5.33	90.6	2.95	0.00	21.10
KAR18			200	-9.53	91.9	4.25	0.00	22.80
KAR19	3 703	3 707						
KAR19			20	30.02	63.9	0.00	5.60	7.60
KAR19			25	27.14	67.8	0.07	5.40	8.30
KAR19			32	26.21	73.3	0.11	5.20	9.20
KAR19			40	23.63	76.9	0.19	5.00	10.30
KAR19			50	22.76	82.0	0.26	4.70	11.50
KAR19			63	18.01	83.3	0.41	4.30	13.00
KAR19			80	14.53	86.1	0.59	3.70	14.80
KAR19			100	12.79	90.8	0.93	3.00	16.80
KAR19			125	4.61	89.3	1.41	1.80	18.80
KAR19			160	-1.59	90.6	2.11	0.00	21.10
KAR19			200	-5.42	91.9	3.04	0.00	22.80
KAR20	4 913	4 917						
KAR20			20	27.57	63.9	0.00	5.60	7.60
KAR20			25	24.67	67.8	0.10	5.40	8.30
KAR20			32	23.72	73.3	0.15	5.20	9.20
KAR20			40	21.12	76.9	0.25	5.00	10.30
KAR20			50	20.22	82.0	0.34	4.70	11.50
KAR20			63	15.42	83.3	0.54	4.30	13.00
KAR20			80	11.88	86.1	0.79	3.70	14.80
KAR20			100	10.04	90.8	1.23	3.00	16.80
KAR20			125	1.70	89.3	1.87	1.80	18.80
KAR20			160	-4.74	90.6	2.80	0.00	21.10
KAR20			200	-8.87	91.9	4.03	0.00	22.80
KAR21	4 508	4 511						
KAR21			20	28.31	63.9	0.00	5.60	7.60
KAR21			25	25.42	67.8	0.09	5.40	8.30
KAR21			32	24.48	73.3	0.14	5.20	9.20
KAR21			40	21.89	76.9	0.23	5.00	10.30
KAR21			50	21.00	82.0	0.32	4.70	11.50
KAR21			63	16.22	83.3	0.50	4.30	13.00
KAR21			80	12.69	86.1	0.72	3.70	14.80
KAR21			100	10.89	90.8	1.13	3.00	16.80
KAR21			125	2.60	89.3	1.71	1.80	18.80
KAR21			160	-3.76	90.6	2.57	0.00	21.10
KAR21			200	-7.79	91.9	3.70	0.00	22.80
KAR22	4 442	4 446						
KAR22			20	28.44	63.9	0.00	5.60	7.60
KAR22			25	25.55	67.8	0.09	5.40	8.30
KAR22			32	24.61	73.3	0.13	5.20	9.20
KAR22			40	22.02	76.9	0.22	5.00	10.30
KAR22			50	21.13	82.0	0.31	4.70	11.50
KAR22			63	16.35	83.3	0.49	4.30	13.00
KAR22			80	12.83	86.1	0.71	3.70	14.80
KAR22			100	11.03	90.8	1.11	3.00	16.80
KAR22			125	2.75	89.3	1.69	1.80	18.80
KAR22			160	-3.59	90.6	2.53	0.00	21.10
KAR22			200	-7.60	91.9	3.65	0.00	22.80
KAR23	5 034	5 037						
KAR23			20	27.36	63.9	0.00	5.60	7.60
KAR23			25	24.46	67.8	0.10	5.40	8.30
KAR23			32	23.51	73.3	0.15	5.20	9.20
KAR23			40	20.90	76.9	0.25	5.00	10.30
KAR23			50	20.00	82.0	0.35	4.70	11.50
KAR23			63	15.20	83.3	0.55	4.30	13.00
KAR23			80	11.65	86.1	0.81	3.70	14.80
KAR23			100	9.80	90.8	1.26	3.00	16.80
KAR23			125	1.44	89.3	1.91	1.80	18.80
KAR23			160	-5.01	90.6	2.87	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR23			200	-9.17	91.9	4.13	0.00	22.80
KAR24	3 584	3 589						
KAR24			20	30.30	63.9	0.00	5.60	7.60
KAR24			25	27.43	67.8	0.07	5.40	8.30
KAR24			32	26.49	73.3	0.11	5.20	9.20
KAR24			40	23.92	76.9	0.18	5.00	10.30
KAR24			50	23.05	82.0	0.25	4.70	11.50
KAR24			63	18.31	83.3	0.39	4.30	13.00
KAR24			80	14.83	86.1	0.57	3.70	14.80
KAR24			100	13.10	90.8	0.90	3.00	16.80
KAR24			125	4.94	89.3	1.36	1.80	18.80
KAR24			160	-1.24	90.6	2.05	0.00	21.10
KAR24			200	-5.04	91.9	2.94	0.00	22.80
KAR25	2 091	2 099						
KAR25			20	34.96	63.9	0.00	5.60	7.60
KAR25			25	32.12	67.8	0.04	5.40	8.30
KAR25			32	31.20	73.3	0.06	5.20	9.20
KAR25			40	28.66	76.9	0.10	5.00	10.30
KAR25			50	27.81	82.0	0.15	4.70	11.50
KAR25			63	23.13	83.3	0.23	4.30	13.00
KAR25			80	19.72	86.1	0.34	3.70	14.80
KAR25			100	18.14	90.8	0.52	3.00	16.80
KAR25			125	10.16	89.3	0.80	1.80	18.80
KAR25			160	4.26	90.6	1.20	0.00	21.10
KAR25			200	0.84	91.9	1.72	0.00	22.80
MAA01	4 334	4 336						
MAA01			20	28.66	63.9	0.00	5.60	7.60
MAA01			25	25.77	67.8	0.09	5.40	8.30
MAA01			32	24.83	73.3	0.13	5.20	9.20
MAA01			40	22.24	76.9	0.22	5.00	10.30
MAA01			50	21.35	82.0	0.30	4.70	11.50
MAA01			63	16.58	83.3	0.48	4.30	13.00
MAA01			80	13.06	86.1	0.69	3.70	14.80
MAA01			100	11.27	90.8	1.08	3.00	16.80
MAA01			125	3.01	89.3	1.65	1.80	18.80
MAA01			160	-3.31	90.6	2.47	0.00	21.10
MAA01			200	-7.30	91.9	3.56	0.00	22.80
MAA03	4 376	4 378						
MAA03			20	28.57	63.9	0.00	5.60	7.60
MAA03			25	25.69	67.8	0.09	5.40	8.30
MAA03			32	24.74	73.3	0.13	5.20	9.20
MAA03			40	22.16	76.9	0.22	5.00	10.30
MAA03			50	21.27	82.0	0.31	4.70	11.50
MAA03			63	16.49	83.3	0.48	4.30	13.00
MAA03			80	12.97	86.1	0.70	3.70	14.80
MAA03			100	11.18	90.8	1.09	3.00	16.80
MAA03			125	2.91	89.3	1.66	1.80	18.80
MAA03			160	-3.42	90.6	2.50	0.00	21.10
MAA03			200	-7.42	91.9	3.59	0.00	22.80
MAA04	3 387	3 390						
MAA04			20	30.80	63.9	0.00	5.60	7.60
MAA04			25	27.93	67.8	0.07	5.40	8.30
MAA04			32	26.99	73.3	0.10	5.20	9.20
MAA04			40	24.43	76.9	0.17	5.00	10.30
MAA04			50	23.56	82.0	0.24	4.70	11.50
MAA04			63	18.82	83.3	0.37	4.30	13.00
MAA04			80	15.35	86.1	0.54	3.70	14.80
MAA04			100	13.65	90.8	0.85	3.00	16.80
MAA04			125	5.51	89.3	1.29	1.80	18.80
MAA04			160	-0.64	90.6	1.93	0.00	21.10
MAA04			200	-4.38	91.9	2.78	0.00	22.80
MAA05	4 424	4 426						
MAA05			20	28.48	63.9	0.00	5.60	7.60
MAA05			25	25.59	67.8	0.09	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA05			32	24.65	73.3	0.13	5.20	9.20
MAA05			40	22.06	76.9	0.22	5.00	10.30
MAA05			50	21.17	82.0	0.31	4.70	11.50
MAA05			63	16.39	83.3	0.49	4.30	13.00
MAA05			80	12.87	86.1	0.71	3.70	14.80
MAA05			100	11.07	90.8	1.11	3.00	16.80
MAA05			125	2.80	89.3	1.68	1.80	18.80
MAA05			160	-3.54	90.6	2.52	0.00	21.10
MAA05			200	-7.55	91.9	3.63	0.00	22.80
MAA06	4 457	4 459						
MAA06			20	28.42	63.9	0.00	5.60	7.60
MAA06			25	25.53	67.8	0.09	5.40	8.30
MAA06			32	24.58	73.3	0.13	5.20	9.20
MAA06			40	21.99	76.9	0.22	5.00	10.30
MAA06			50	21.10	82.0	0.31	4.70	11.50
MAA06			63	16.32	83.3	0.49	4.30	13.00
MAA06			80	12.80	86.1	0.71	3.70	14.80
MAA06			100	11.00	90.8	1.11	3.00	16.80
MAA06			125	2.72	89.3	1.69	1.80	18.80
MAA06			160	-3.63	90.6	2.54	0.00	21.10
MAA06			200	-7.64	91.9	3.66	0.00	22.80
MAA07	4 280	4 282						
MAA07			20	28.77	63.9	0.00	5.60	7.60
MAA07			25	25.88	67.8	0.09	5.40	8.30
MAA07			32	24.94	73.3	0.13	5.20	9.20
MAA07			40	22.35	76.9	0.21	5.00	10.30
MAA07			50	21.47	82.0	0.30	4.70	11.50
MAA07			63	16.70	83.3	0.47	4.30	13.00
MAA07			80	13.18	86.1	0.69	3.70	14.80
MAA07			100	11.40	90.8	1.07	3.00	16.80
MAA07			125	3.14	89.3	1.63	1.80	18.80
MAA07			160	-3.17	90.6	2.44	0.00	21.10
MAA07			200	-7.14	91.9	3.51	0.00	22.80
MAA08	4 145	4 147						
MAA08			20	29.04	63.9	0.00	5.60	7.60
MAA08			25	26.16	67.8	0.08	5.40	8.30
MAA08			32	25.22	73.3	0.12	5.20	9.20
MAA08			40	22.64	76.9	0.21	5.00	10.30
MAA08			50	21.75	82.0	0.29	4.70	11.50
MAA08			63	16.99	83.3	0.46	4.30	13.00
MAA08			80	13.48	86.1	0.66	3.70	14.80
MAA08			100	11.71	90.8	1.04	3.00	16.80
MAA08			125	3.47	89.3	1.58	1.80	18.80
MAA08			160	-2.82	90.6	2.36	0.00	21.10
MAA08			200	-6.76	91.9	3.40	0.00	22.80
RAH01	6 038	6 039						
RAH01			20	23.93	62.0	0.00	5.60	7.60
RAH01			25	22.31	67.2	0.12	5.40	8.30
RAH01			32	20.65	72.0	0.18	5.20	9.20
RAH01			40	19.20	76.8	0.30	5.00	10.30
RAH01			50	17.58	81.2	0.42	4.70	11.50
RAH01			63	15.24	85.0	0.66	4.30	13.00
RAH01			80	12.14	88.3	0.97	3.70	14.80
RAH01			100	8.27	91.1	1.51	3.00	16.80
RAH01			125	3.49	93.3	2.29	1.80	18.80
RAH01			160	-2.79	95.0	3.44	0.00	21.10
RAH01			200	-7.37	96.1	4.95	0.00	22.80
RAH02	5 957	5 958						
RAH02			20	24.05	62.0	0.00	5.60	7.60
RAH02			25	22.43	67.2	0.12	5.40	8.30
RAH02			32	20.77	72.0	0.18	5.20	9.20
RAH02			40	19.32	76.8	0.30	5.00	10.30
RAH02			50	17.70	81.2	0.42	4.70	11.50
RAH02			63	15.37	85.0	0.66	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH02			80	12.27	88.3	0.95	3.70	14.80
RAH02			100	8.41	91.1	1.49	3.00	16.80
RAH02			125	3.63	93.3	2.26	1.80	18.80
RAH02			160	-2.62	95.0	3.40	0.00	21.10
RAH02			200	-7.19	96.1	4.89	0.00	22.80
RAH03	5 383	5 385						
RAH03			20	24.92	62.0	0.00	5.60	7.60
RAH03			25	23.32	67.2	0.11	5.40	8.30
RAH03			32	21.66	72.0	0.16	5.20	9.20
RAH03			40	20.23	76.8	0.27	5.00	10.30
RAH03			50	18.62	81.2	0.38	4.70	11.50
RAH03			63	16.31	85.0	0.59	4.30	13.00
RAH03			80	13.24	88.3	0.86	3.70	14.80
RAH03			100	9.43	91.1	1.35	3.00	16.80
RAH03			125	4.73	93.3	2.05	1.80	18.80
RAH03			160	-1.42	95.0	3.07	0.00	21.10
RAH03			200	-5.84	96.1	4.42	0.00	22.80
RAH04	5 837	5 838						
RAH04			20	24.22	62.0	0.00	5.60	7.60
RAH04			25	22.61	67.2	0.12	5.40	8.30
RAH04			32	20.95	72.0	0.18	5.20	9.20
RAH04			40	19.51	76.8	0.29	5.00	10.30
RAH04			50	17.89	81.2	0.41	4.70	11.50
RAH04			63	15.56	85.0	0.64	4.30	13.00
RAH04			80	12.46	88.3	0.93	3.70	14.80
RAH04			100	8.61	91.1	1.46	3.00	16.80
RAH04			125	3.86	93.3	2.22	1.80	18.80
RAH04			160	-2.38	95.0	3.33	0.00	21.10
RAH04			200	-6.91	96.1	4.79	0.00	22.80
RAH05	5 059	5 061						
RAH05			20	25.46	62.0	0.00	5.60	7.60
RAH05			25	23.86	67.2	0.10	5.40	8.30
RAH05			32	22.21	72.0	0.15	5.20	9.20
RAH05			40	20.79	76.8	0.25	5.00	10.30
RAH05			50	19.18	81.2	0.35	4.70	11.50
RAH05			63	16.88	85.0	0.56	4.30	13.00
RAH05			80	13.83	88.3	0.81	3.70	14.80
RAH05			100	10.05	91.1	1.27	3.00	16.80
RAH05			125	5.39	93.3	1.92	1.80	18.80
RAH05			160	-0.69	95.0	2.88	0.00	21.10
RAH05			200	-5.04	96.1	4.15	0.00	22.80
RAH06	5 113	5 115						
RAH06			20	25.37	62.0	0.00	5.60	7.60
RAH06			25	23.77	67.2	0.10	5.40	8.30
RAH06			32	22.12	72.0	0.15	5.20	9.20
RAH06			40	20.69	76.8	0.26	5.00	10.30
RAH06			50	19.09	81.2	0.36	4.70	11.50
RAH06			63	16.78	85.0	0.56	4.30	13.00
RAH06			80	13.73	88.3	0.82	3.70	14.80
RAH06			100	9.94	91.1	1.28	3.00	16.80
RAH06			125	5.28	93.3	1.94	1.80	18.80
RAH06			160	-0.82	95.0	2.92	0.00	21.10
RAH06			200	-5.17	96.1	4.19	0.00	22.80
RAH07	6 427	6 429						
RAH07			20	23.39	62.0	0.00	5.60	7.60
RAH07			25	21.76	67.2	0.13	5.40	8.30
RAH07			32	20.09	72.0	0.19	5.20	9.20
RAH07			40	18.64	76.8	0.32	5.00	10.30
RAH07			50	17.01	81.2	0.45	4.70	11.50
RAH07			63	14.65	85.0	0.71	4.30	13.00
RAH07			80	11.53	88.3	1.03	3.70	14.80
RAH07			100	7.63	91.1	1.61	3.00	16.80
RAH07			125	2.79	93.3	2.44	1.80	18.80
RAH07			160	-3.55	95.0	3.66	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH07			200	-8.23	96.1	5.27	0.00	22.80
RAH08	6 751	6 753						
RAH08			20	22.96	62.0	0.00	5.60	7.60
RAH08			25	21.32	67.2	0.14	5.40	8.30
RAH08			32	19.66	72.0	0.20	5.20	9.20
RAH08			40	18.20	76.8	0.34	5.00	10.30
RAH08			50	16.56	81.2	0.47	4.70	11.50
RAH08			63	14.19	85.0	0.74	4.30	13.00
RAH08			80	11.05	88.3	1.08	3.70	14.80
RAH08			100	7.12	91.1	1.69	3.00	16.80
RAH08			125	2.24	93.3	2.57	1.80	18.80
RAH08			160	-4.16	95.0	3.85	0.00	21.10
RAH08			200	-8.93	96.1	5.54	0.00	22.80
RAH09	5 955	5 957						
RAH09			20	24.05	62.0	0.00	5.60	7.60
RAH09			25	22.43	67.2	0.12	5.40	8.30
RAH09			32	20.77	72.0	0.18	5.20	9.20
RAH09			40	19.33	76.8	0.30	5.00	10.30
RAH09			50	17.71	81.2	0.42	4.70	11.50
RAH09			63	15.37	85.0	0.66	4.30	13.00
RAH09			80	12.27	88.3	0.95	3.70	14.80
RAH09			100	8.41	91.1	1.49	3.00	16.80
RAH09			125	3.64	93.3	2.26	1.80	18.80
RAH09			160	-2.62	95.0	3.40	0.00	21.10
RAH09			200	-7.19	96.1	4.88	0.00	22.80
RAH10	6 541	6 543						
RAH10			20	23.23	62.0	0.00	5.60	7.60
RAH10			25	21.60	67.2	0.13	5.40	8.30
RAH10			32	19.94	72.0	0.20	5.20	9.20
RAH10			40	18.48	76.8	0.33	5.00	10.30
RAH10			50	16.85	81.2	0.46	4.70	11.50
RAH10			63	14.49	85.0	0.72	4.30	13.00
RAH10			80	11.36	88.3	1.05	3.70	14.80
RAH10			100	7.45	91.1	1.64	3.00	16.80
RAH10			125	2.60	93.3	2.49	1.80	18.80
RAH10			160	-3.77	95.0	3.73	0.00	21.10
RAH10			200	-8.48	96.1	5.37	0.00	22.80
RAH11	5 704	5 706						
RAH11			20	24.42	62.0	0.00	5.60	7.60
RAH11			25	22.81	67.2	0.11	5.40	8.30
RAH11			32	21.15	72.0	0.17	5.20	9.20
RAH11			40	19.71	76.8	0.29	5.00	10.30
RAH11			50	18.10	81.2	0.40	4.70	11.50
RAH11			63	15.77	85.0	0.63	4.30	13.00
RAH11			80	12.68	88.3	0.91	3.70	14.80
RAH11			100	8.85	91.1	1.43	3.00	16.80
RAH11			125	4.10	93.3	2.17	1.80	18.80
RAH11			160	-2.10	95.0	3.25	0.00	21.10
RAH11			200	-6.61	96.1	4.68	0.00	22.80
RAH12	6 421	6 423						
RAH12			20	23.39	62.0	0.00	5.60	7.60
RAH12			25	21.77	67.2	0.13	5.40	8.30
RAH12			32	20.10	72.0	0.19	5.20	9.20
RAH12			40	18.65	76.8	0.32	5.00	10.30
RAH12			50	17.02	81.2	0.45	4.70	11.50
RAH12			63	14.66	85.0	0.71	4.30	13.00
RAH12			80	11.54	88.3	1.03	3.70	14.80
RAH12			100	7.64	91.1	1.61	3.00	16.80
RAH12			125	2.81	93.3	2.44	1.80	18.80
RAH12			160	-3.54	95.0	3.66	0.00	21.10
RAH12			200	-8.22	96.1	5.27	0.00	22.80
RAH13	6 243	6 245						
RAH13			20	23.64	62.0	0.00	5.60	7.60
RAH13			25	22.01	67.2	0.12	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH13			32	20.35	72.0	0.19	5.20	9.20
RAH13			40	18.90	76.8	0.31	5.00	10.30
RAH13			50	17.28	81.2	0.44	4.70	11.50
RAH13			63	14.93	85.0	0.69	4.30	13.00
RAH13			80	11.81	88.3	1.00	3.70	14.80
RAH13			100	7.93	91.1	1.56	3.00	16.80
RAH13			125	3.12	93.3	2.37	1.80	18.80
RAH13			160	-3.19	95.0	3.56	0.00	21.10
RAH13			200	-7.83	96.1	5.12	0.00	22.80
RAH14	5 588	5 590						
RAH14			20	24.60	62.0	0.00	5.60	7.60
RAH14			25	22.99	67.2	0.11	5.40	8.30
RAH14			32	21.33	72.0	0.17	5.20	9.20
RAH14			40	19.90	76.8	0.28	5.00	10.30
RAH14			50	18.29	81.2	0.39	4.70	11.50
RAH14			63	15.96	85.0	0.61	4.30	13.00
RAH14			80	12.88	88.3	0.89	3.70	14.80
RAH14			100	9.05	91.1	1.40	3.00	16.80
RAH14			125	4.33	93.3	2.12	1.80	18.80
RAH14			160	-1.86	95.0	3.19	0.00	21.10
RAH14			200	-6.33	96.1	4.58	0.00	22.80
RAH15	6 236	6 238						
RAH15			20	23.65	62.0	0.00	5.60	7.60
RAH15			25	22.02	67.2	0.12	5.40	8.30
RAH15			32	20.36	72.0	0.19	5.20	9.20
RAH15			40	18.91	76.8	0.31	5.00	10.30
RAH15			50	17.29	81.2	0.44	4.70	11.50
RAH15			63	14.94	85.0	0.69	4.30	13.00
RAH15			80	11.83	88.3	1.00	3.70	14.80
RAH15			100	7.94	91.1	1.56	3.00	16.80
RAH15			125	3.13	93.3	2.37	1.80	18.80
RAH15			160	-3.18	95.0	3.56	0.00	21.10
RAH15			200	-7.82	96.1	5.12	0.00	22.80
RAH16	6 977	6 979						
RAH16			20	22.67	62.0	0.00	5.60	7.60
RAH16			25	21.03	67.2	0.14	5.40	8.30
RAH16			32	19.36	72.0	0.21	5.20	9.20
RAH16			40	17.90	76.8	0.35	5.00	10.30
RAH16			50	16.26	81.2	0.49	4.70	11.50
RAH16			63	13.88	85.0	0.77	4.30	13.00
RAH16			80	10.73	88.3	1.12	3.70	14.80
RAH16			100	6.78	91.1	1.74	3.00	16.80
RAH16			125	1.87	93.3	2.65	1.80	18.80
RAH16			160	-4.58	95.0	3.98	0.00	21.10
RAH16			200	-9.40	96.1	5.72	0.00	22.80
RAH17	5 029	5 032						
RAH17			20	25.51	62.0	0.00	5.60	7.60
RAH17			25	23.91	67.2	0.10	5.40	8.30
RAH17			32	22.26	72.0	0.15	5.20	9.20
RAH17			40	20.84	76.8	0.25	5.00	10.30
RAH17			50	19.24	81.2	0.35	4.70	11.50
RAH17			63	16.94	85.0	0.55	4.30	13.00
RAH17			80	13.88	88.3	0.81	3.70	14.80
RAH17			100	10.11	91.1	1.26	3.00	16.80
RAH17			125	5.45	93.3	1.91	1.80	18.80
RAH17			160	-0.63	95.0	2.87	0.00	21.10
RAH17			200	-4.96	96.1	4.13	0.00	22.80
RAH18	5 716	5 718						
RAH18			20	24.40	62.0	0.00	5.60	7.60
RAH18			25	22.79	67.2	0.11	5.40	8.30
RAH18			32	21.13	72.0	0.17	5.20	9.20
RAH18			40	19.69	76.8	0.29	5.00	10.30
RAH18			50	18.08	81.2	0.40	4.70	11.50
RAH18			63	15.75	85.0	0.63	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH18			80	12.66	88.3	0.91	3.70	14.80
RAH18			100	8.82	91.1	1.43	3.00	16.80
RAH18			125	4.08	93.3	2.17	1.80	18.80
RAH18			160	-2.13	95.0	3.26	0.00	21.10
RAH18			200	-6.63	96.1	4.69	0.00	22.80
RAH19	5 375	5 378						
RAH19			20	24.94	62.0	0.00	5.60	7.60
RAH19			25	23.33	67.2	0.11	5.40	8.30
RAH19			32	21.67	72.0	0.16	5.20	9.20
RAH19			40	20.24	76.8	0.27	5.00	10.30
RAH19			50	18.64	81.2	0.38	4.70	11.50
RAH19			63	16.32	85.0	0.59	4.30	13.00
RAH19			80	13.25	88.3	0.86	3.70	14.80
RAH19			100	9.44	91.1	1.34	3.00	16.80
RAH19			125	4.74	93.3	2.04	1.80	18.80
RAH19			160	-1.40	95.0	3.07	0.00	21.10
RAH19			200	-5.82	96.1	4.41	0.00	22.80
SIL01	11 136	11 137						
SIL01			20	19.89	63.3	0.00	5.60	7.60
SIL01			25	18.06	68.4	0.22	5.40	8.30
SIL01			32	12.06	68.9	0.33	5.20	9.20
SIL01			40	8.93	72.1	0.56	5.00	10.30
SIL01			50	7.51	76.8	0.78	4.70	11.50
SIL01			63	4.15	79.8	1.23	4.30	13.00
SIL01			80	0.29	82.6	1.78	3.70	14.80
SIL01			100	-3.39	86.0	2.78	3.00	16.80
SIL01			125	-7.78	89.3	4.23	1.80	18.80
SIL01			160	-17.80	88.2	6.35	0.00	21.10
SIL01			200	-22.98	90.0	9.13	0.00	22.80
SIL02	10 503	10 504						
SIL02			20	20.40	63.3	0.00	5.60	7.60
SIL02			25	18.58	68.4	0.21	5.40	8.30
SIL02			32	12.59	68.9	0.32	5.20	9.20
SIL02			40	9.47	72.1	0.53	5.00	10.30
SIL02			50	8.06	76.8	0.74	4.70	11.50
SIL02			63	4.72	79.8	1.16	4.30	13.00
SIL02			80	0.90	82.6	1.68	3.70	14.80
SIL02			100	-2.72	86.0	2.63	3.00	16.80
SIL02			125	-7.03	89.3	3.99	1.80	18.80
SIL02			160	-16.93	88.2	5.99	0.00	21.10
SIL02			200	-21.95	90.0	8.61	0.00	22.80
SIL03	9 772	9 773						
SIL03			20	21.02	63.3	0.00	5.60	7.60
SIL03			25	19.22	68.4	0.20	5.40	8.30
SIL03			32	13.24	68.9	0.29	5.20	9.20
SIL03			40	10.13	72.1	0.49	5.00	10.30
SIL03			50	8.74	76.8	0.68	4.70	11.50
SIL03			63	5.43	79.8	1.08	4.30	13.00
SIL03			80	1.65	82.6	1.56	3.70	14.80
SIL03			100	-1.91	86.0	2.44	3.00	16.80
SIL03			125	-6.13	89.3	3.71	1.80	18.80
SIL03			160	-15.89	88.2	5.57	0.00	21.10
SIL03			200	-20.73	90.0	8.01	0.00	22.80
SIL04	9 921	9 923						
SIL04			20	20.89	63.3	0.00	5.60	7.60
SIL04			25	19.09	68.4	0.20	5.40	8.30
SIL04			32	13.10	68.9	0.30	5.20	9.20
SIL04			40	9.99	72.1	0.50	5.00	10.30
SIL04			50	8.60	76.8	0.69	4.70	11.50
SIL04			63	5.28	79.8	1.09	4.30	13.00
SIL04			80	1.49	82.6	1.59	3.70	14.80
SIL04			100	-2.08	86.0	2.48	3.00	16.80
SIL04			125	-6.31	89.3	3.77	1.80	18.80
SIL04			160	-16.11	88.2	5.66	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL04			200	-20.98	90.0	8.14	0.00	22.80
SIL05	11 004	11 005						
SIL05			20	19.99	63.3	0.00	5.60	7.60
SIL05			25	18.17	68.4	0.22	5.40	8.30
SIL05			32	12.17	68.9	0.33	5.20	9.20
SIL05			40	9.04	72.1	0.55	5.00	10.30
SIL05			50	7.62	76.8	0.77	4.70	11.50
SIL05			63	4.26	79.8	1.21	4.30	13.00
SIL05			80	0.42	82.6	1.76	3.70	14.80
SIL05			100	-3.25	86.0	2.75	3.00	16.80
SIL05			125	-7.63	89.3	4.18	1.80	18.80
SIL05			160	-17.62	88.2	6.27	0.00	21.10
SIL05			200	-22.77	90.0	9.02	0.00	22.80
SIL06	10 528	10 529						
SIL06			20	20.38	63.3	0.00	5.60	7.60
SIL06			25	18.56	68.4	0.21	5.40	8.30
SIL06			32	12.57	68.9	0.32	5.20	9.20
SIL06			40	9.45	72.1	0.53	5.00	10.30
SIL06			50	8.04	76.8	0.74	4.70	11.50
SIL06			63	4.70	79.8	1.16	4.30	13.00
SIL06			80	0.88	82.6	1.68	3.70	14.80
SIL06			100	-2.75	86.0	2.63	3.00	16.80
SIL06			125	-7.06	89.3	4.00	1.80	18.80
SIL06			160	-16.97	88.2	6.00	0.00	21.10
SIL06			200	-21.99	90.0	8.63	0.00	22.80
SIL07	10 017	10 018						
SIL07			20	20.81	63.3	0.00	5.60	7.60
SIL07			25	19.00	68.4	0.20	5.40	8.30
SIL07			32	13.01	68.9	0.30	5.20	9.20
SIL07			40	9.91	72.1	0.50	5.00	10.30
SIL07			50	8.51	76.8	0.70	4.70	11.50
SIL07			63	5.19	79.8	1.10	4.30	13.00
SIL07			80	1.39	82.6	1.60	3.70	14.80
SIL07			100	-2.19	86.0	2.50	3.00	16.80
SIL07			125	-6.43	89.3	3.81	1.80	18.80
SIL07			160	-16.24	88.2	5.71	0.00	21.10
SIL07			200	-21.14	90.0	8.21	0.00	22.80
SIL08	10 480	10 481						
SIL08			20	20.42	63.3	0.00	5.60	7.60
SIL08			25	18.60	68.4	0.21	5.40	8.30
SIL08			32	12.61	68.9	0.31	5.20	9.20
SIL08			40	9.49	72.1	0.52	5.00	10.30
SIL08			50	8.08	76.8	0.73	4.70	11.50
SIL08			63	4.75	79.8	1.15	4.30	13.00
SIL08			80	0.93	82.6	1.68	3.70	14.80
SIL08			100	-2.70	86.0	2.62	3.00	16.80
SIL08			125	-7.00	89.3	3.98	1.80	18.80
SIL08			160	-16.90	88.2	5.97	0.00	21.10
SIL08			200	-21.91	90.0	8.59	0.00	22.80
Sum								
Sum			20	46.55				
Sum			25	43.87				
Sum			32	42.77				
Sum			40	40.35				
Sum			50	39.38				
Sum			63	35.07				
Sum			80	31.69				
Sum			100	29.59				
Sum			125	22.21				
Sum			160	16.06				
Sum			200	12.17				

DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Noise sensitive area: AP Noise sensitive point: Finnish normal frequency - User defined (8)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 067	4 071						
KAR01			20	29.20	63.9	0.00	5.60	7.60
KAR01			25	26.32	67.8	0.08	5.40	8.30
KAR01			32	25.38	73.3	0.12	5.20	9.20
KAR01			40	22.80	76.9	0.20	5.00	10.30
KAR01			50	21.92	82.0	0.29	4.70	11.50
KAR01			63	17.16	83.3	0.45	4.30	13.00
KAR01			80	13.65	86.1	0.65	3.70	14.80
KAR01			100	11.89	90.8	1.02	3.00	16.80
KAR01			125	3.66	89.3	1.55	1.80	18.80
KAR01			160	-2.62	90.6	2.32	0.00	21.10
KAR01			200	-6.53	91.9	3.34	0.00	22.80
KAR02	2 991	2 997						
KAR02			20	31.87	63.9	0.00	5.60	7.60
KAR02			25	29.01	67.8	0.06	5.40	8.30
KAR02			32	28.08	73.3	0.09	5.20	9.20
KAR02			40	25.52	76.9	0.15	5.00	10.30
KAR02			50	24.66	82.0	0.21	4.70	11.50
KAR02			63	19.94	83.3	0.33	4.30	13.00
KAR02			80	16.49	86.1	0.48	3.70	14.80
KAR02			100	14.82	90.8	0.75	3.00	16.80
KAR02			125	6.73	89.3	1.14	1.80	18.80
KAR02			160	0.66	90.6	1.71	0.00	21.10
KAR02			200	-2.99	91.9	2.46	0.00	22.80
KAR03	3 660	3 665						
KAR03			20	30.12	63.9	0.00	5.60	7.60
KAR03			25	27.24	67.8	0.07	5.40	8.30
KAR03			32	26.31	73.3	0.11	5.20	9.20
KAR03			40	23.73	76.9	0.18	5.00	10.30
KAR03			50	22.86	82.0	0.26	4.70	11.50
KAR03			63	18.12	83.3	0.40	4.30	13.00
KAR03			80	14.63	86.1	0.59	3.70	14.80
KAR03			100	12.90	90.8	0.92	3.00	16.80
KAR03			125	4.73	89.3	1.39	1.80	18.80
KAR03			160	-1.47	90.6	2.09	0.00	21.10
KAR03			200	-5.29	91.9	3.01	0.00	22.80
KAR04	4 360	4 364						
KAR04			20	28.60	63.9	0.00	5.60	7.60
KAR04			25	25.71	67.8	0.09	5.40	8.30
KAR04			32	24.77	73.3	0.13	5.20	9.20
KAR04			40	22.18	76.9	0.22	5.00	10.30
KAR04			50	21.30	82.0	0.31	4.70	11.50
KAR04			63	16.52	83.3	0.48	4.30	13.00
KAR04			80	13.00	86.1	0.70	3.70	14.80
KAR04			100	11.21	90.8	1.09	3.00	16.80
KAR04			125	2.94	89.3	1.66	1.80	18.80
KAR04			160	-3.39	90.6	2.49	0.00	21.10
KAR04			200	-7.38	91.9	3.58	0.00	22.80
KAR05	5 070	5 073						
KAR05			20	27.29	63.9	0.00	5.60	7.60
KAR05			25	24.39	67.8	0.10	5.40	8.30
KAR05			32	23.44	73.3	0.15	5.20	9.20
KAR05			40	20.84	76.9	0.25	5.00	10.30
KAR05			50	19.94	82.0	0.36	4.70	11.50
KAR05			63	15.14	83.3	0.56	4.30	13.00
KAR05			80	11.58	86.1	0.81	3.70	14.80
KAR05			100	9.73	90.8	1.27	3.00	16.80
KAR05			125	1.37	89.3	1.93	1.80	18.80
KAR05			160	-5.10	90.6	2.89	0.00	21.10
KAR05			200	-9.27	91.9	4.16	0.00	22.80
KAR06	3 613	3 618						
KAR06			20	30.23	63.9	0.00	5.60	7.60
KAR06			25	27.36	67.8	0.07	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR06			32	26.42	73.3	0.11	5.20	9.20
KAR06			40	23.85	76.9	0.18	5.00	10.30
KAR06			50	22.98	82.0	0.25	4.70	11.50
KAR06			63	18.23	83.3	0.40	4.30	13.00
KAR06			80	14.75	86.1	0.58	3.70	14.80
KAR06			100	13.03	90.8	0.90	3.00	16.80
KAR06			125	4.86	89.3	1.37	1.80	18.80
KAR06			160	-1.33	90.6	2.06	0.00	21.10
KAR06			200	-5.14	91.9	2.97	0.00	22.80
KAR07	2 878	2 884						
KAR07			20	32.20	63.9	0.00	5.60	7.60
KAR07			25	29.34	67.8	0.06	5.40	8.30
KAR07			32	28.41	73.3	0.09	5.20	9.20
KAR07			40	25.86	76.9	0.14	5.00	10.30
KAR07			50	25.00	82.0	0.20	4.70	11.50
KAR07			63	20.28	83.3	0.32	4.30	13.00
KAR07			80	16.84	86.1	0.46	3.70	14.80
KAR07			100	15.18	90.8	0.72	3.00	16.80
KAR07			125	7.11	89.3	1.10	1.80	18.80
KAR07			160	1.06	90.6	1.64	0.00	21.10
KAR07			200	-2.56	91.9	2.36	0.00	22.80
KAR08	2 248	2 255						
KAR08			20	34.34	63.9	0.00	5.60	7.60
KAR08			25	31.49	67.8	0.05	5.40	8.30
KAR08			32	30.57	73.3	0.07	5.20	9.20
KAR08			40	28.02	76.9	0.11	5.00	10.30
KAR08			50	27.18	82.0	0.16	4.70	11.50
KAR08			63	22.49	83.3	0.25	4.30	13.00
KAR08			80	19.08	86.1	0.36	3.70	14.80
KAR08			100	17.47	90.8	0.56	3.00	16.80
KAR08			125	9.48	89.3	0.86	1.80	18.80
KAR08			160	3.55	90.6	1.29	0.00	21.10
KAR08			200	0.09	91.9	1.85	0.00	22.80
KAR09	5 130	5 134						
KAR09			20	27.19	63.9	0.00	5.60	7.60
KAR09			25	24.29	67.8	0.10	5.40	8.30
KAR09			32	23.34	73.3	0.15	5.20	9.20
KAR09			40	20.73	76.9	0.26	5.00	10.30
KAR09			50	19.83	82.0	0.36	4.70	11.50
KAR09			63	15.03	83.3	0.56	4.30	13.00
KAR09			80	11.47	86.1	0.82	3.70	14.80
KAR09			100	9.61	90.8	1.28	3.00	16.80
KAR09			125	1.24	89.3	1.95	1.80	18.80
KAR09			160	-5.23	90.6	2.93	0.00	21.10
KAR09			200	-9.42	91.9	4.21	0.00	22.80
KAR10	4 489	4 493						
KAR10			20	28.35	63.9	0.00	5.60	7.60
KAR10			25	25.46	67.8	0.09	5.40	8.30
KAR10			32	24.51	73.3	0.13	5.20	9.20
KAR10			40	21.92	76.9	0.22	5.00	10.30
KAR10			50	21.03	82.0	0.31	4.70	11.50
KAR10			63	16.25	83.3	0.49	4.30	13.00
KAR10			80	12.73	86.1	0.72	3.70	14.80
KAR10			100	10.93	90.8	1.12	3.00	16.80
KAR10			125	2.64	89.3	1.71	1.80	18.80
KAR10			160	-3.71	90.6	2.56	0.00	21.10
KAR10			200	-7.74	91.9	3.68	0.00	22.80
KAR11	3 540	3 545						
KAR11			20	30.41	63.9	0.00	5.60	7.60
KAR11			25	27.54	67.8	0.07	5.40	8.30
KAR11			32	26.60	73.3	0.11	5.20	9.20
KAR11			40	24.03	76.9	0.18	5.00	10.30
KAR11			50	23.16	82.0	0.25	4.70	11.50
KAR11			63	18.42	83.3	0.39	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR11			80	14.94	86.1	0.57	3.70	14.80
KAR11			100	13.22	90.8	0.89	3.00	16.80
KAR11			125	5.06	89.3	1.35	1.80	18.80
KAR11			160	-1.11	90.6	2.02	0.00	21.10
KAR11			200	-4.90	91.9	2.91	0.00	22.80
KAR12	4 532	4 536						
KAR12			20	28.27	63.9	0.00	5.60	7.60
KAR12			25	25.38	67.8	0.09	5.40	8.30
KAR12			32	24.43	73.3	0.14	5.20	9.20
KAR12			40	21.84	76.9	0.23	5.00	10.30
KAR12			50	20.95	82.0	0.32	4.70	11.50
KAR12			63	16.17	83.3	0.50	4.30	13.00
KAR12			80	12.64	86.1	0.73	3.70	14.80
KAR12			100	10.83	90.8	1.13	3.00	16.80
KAR12			125	2.54	89.3	1.72	1.80	18.80
KAR12			160	-3.82	90.6	2.59	0.00	21.10
KAR12			200	-7.85	91.9	3.72	0.00	22.80
KAR13	3 519	3 524						
KAR13			20	30.46	63.9	0.00	5.60	7.60
KAR13			25	27.59	67.8	0.07	5.40	8.30
KAR13			32	26.65	73.3	0.11	5.20	9.20
KAR13			40	24.08	76.9	0.18	5.00	10.30
KAR13			50	23.21	82.0	0.25	4.70	11.50
KAR13			63	18.47	83.3	0.39	4.30	13.00
KAR13			80	15.00	86.1	0.56	3.70	14.80
KAR13			100	13.28	90.8	0.88	3.00	16.80
KAR13			125	5.12	89.3	1.34	1.80	18.80
KAR13			160	-1.05	90.6	2.01	0.00	21.10
KAR13			200	-4.83	91.9	2.89	0.00	22.80
KAR14	5 145	5 148						
KAR14			20	27.17	63.9	0.00	5.60	7.60
KAR14			25	24.26	67.8	0.10	5.40	8.30
KAR14			32	23.31	73.3	0.15	5.20	9.20
KAR14			40	20.71	76.9	0.26	5.00	10.30
KAR14			50	19.81	82.0	0.36	4.70	11.50
KAR14			63	15.00	83.3	0.57	4.30	13.00
KAR14			80	11.44	86.1	0.82	3.70	14.80
KAR14			100	9.58	90.8	1.29	3.00	16.80
KAR14			125	1.21	89.3	1.96	1.80	18.80
KAR14			160	-5.27	90.6	2.93	0.00	21.10
KAR14			200	-9.46	91.9	4.22	0.00	22.80
KAR15	3 092	3 097						
KAR15			20	31.58	63.9	0.00	5.60	7.60
KAR15			25	28.72	67.8	0.06	5.40	8.30
KAR15			32	27.79	73.3	0.09	5.20	9.20
KAR15			40	25.23	76.9	0.15	5.00	10.30
KAR15			50	24.36	82.0	0.22	4.70	11.50
KAR15			63	19.64	83.3	0.34	4.30	13.00
KAR15			80	16.19	86.1	0.50	3.70	14.80
KAR15			100	14.51	90.8	0.77	3.00	16.80
KAR15			125	6.40	89.3	1.18	1.80	18.80
KAR15			160	0.32	90.6	1.77	0.00	21.10
KAR15			200	-3.36	91.9	2.54	0.00	22.80
KAR16	4 995	4 999						
KAR16			20	27.42	63.9	0.00	5.60	7.60
KAR16			25	24.52	67.8	0.10	5.40	8.30
KAR16			32	23.57	73.3	0.15	5.20	9.20
KAR16			40	20.97	76.9	0.25	5.00	10.30
KAR16			50	20.07	82.0	0.35	4.70	11.50
KAR16			63	15.27	83.3	0.55	4.30	13.00
KAR16			80	11.72	86.1	0.80	3.70	14.80
KAR16			100	9.87	90.8	1.25	3.00	16.80
KAR16			125	1.52	89.3	1.90	1.80	18.80
KAR16			160	-4.93	90.6	2.85	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR16			200	-9.08	91.9	4.10	0.00	22.80
KAR17	4 516	4 520						
KAR17			20	28.30	63.9	0.00	5.60	7.60
KAR17			25	25.41	67.8	0.09	5.40	8.30
KAR17			32	24.46	73.3	0.14	5.20	9.20
KAR17			40	21.87	76.9	0.23	5.00	10.30
KAR17			50	20.98	82.0	0.32	4.70	11.50
KAR17			63	16.20	83.3	0.50	4.30	13.00
KAR17			80	12.67	86.1	0.72	3.70	14.80
KAR17			100	10.87	90.8	1.13	3.00	16.80
KAR17			125	2.58	89.3	1.72	1.80	18.80
KAR17			160	-3.78	90.6	2.58	0.00	21.10
KAR17			200	-7.81	91.9	3.71	0.00	22.80
KAR18	5 697	5 700						
KAR18			20	26.28	63.9	0.00	5.60	7.60
KAR18			25	23.37	67.8	0.11	5.40	8.30
KAR18			32	22.41	73.3	0.17	5.20	9.20
KAR18			40	19.80	76.9	0.28	5.00	10.30
KAR18			50	18.88	82.0	0.40	4.70	11.50
KAR18			63	14.06	83.3	0.63	4.30	13.00
KAR18			80	10.47	86.1	0.91	3.70	14.80
KAR18			100	8.56	90.8	1.42	3.00	16.80
KAR18			125	0.12	89.3	2.17	1.80	18.80
KAR18			160	-6.47	90.6	3.25	0.00	21.10
KAR18			200	-10.79	91.9	4.67	0.00	22.80
KAR19	3 553	3 558						
KAR19			20	30.38	63.9	0.00	5.60	7.60
KAR19			25	27.50	67.8	0.07	5.40	8.30
KAR19			32	26.57	73.3	0.11	5.20	9.20
KAR19			40	24.00	76.9	0.18	5.00	10.30
KAR19			50	23.13	82.0	0.25	4.70	11.50
KAR19			63	18.38	83.3	0.39	4.30	13.00
KAR19			80	14.91	86.1	0.57	3.70	14.80
KAR19			100	13.19	90.8	0.89	3.00	16.80
KAR19			125	5.02	89.3	1.35	1.80	18.80
KAR19			160	-1.15	90.6	2.03	0.00	21.10
KAR19			200	-4.94	91.9	2.92	0.00	22.80
KAR20	5 194	5 198						
KAR20			20	27.08	63.9	0.00	5.60	7.60
KAR20			25	24.18	67.8	0.10	5.40	8.30
KAR20			32	23.23	73.3	0.16	5.20	9.20
KAR20			40	20.62	76.9	0.26	5.00	10.30
KAR20			50	19.72	82.0	0.36	4.70	11.50
KAR20			63	14.91	83.3	0.57	4.30	13.00
KAR20			80	11.35	86.1	0.83	3.70	14.80
KAR20			100	9.48	90.8	1.30	3.00	16.80
KAR20			125	1.11	89.3	1.98	1.80	18.80
KAR20			160	-5.38	90.6	2.96	0.00	21.10
KAR20			200	-9.58	91.9	4.26	0.00	22.80
KAR21	4 607	4 611						
KAR21			20	28.12	63.9	0.00	5.60	7.60
KAR21			25	25.23	67.8	0.09	5.40	8.30
KAR21			32	24.29	73.3	0.14	5.20	9.20
KAR21			40	21.69	76.9	0.23	5.00	10.30
KAR21			50	20.80	82.0	0.32	4.70	11.50
KAR21			63	16.02	83.3	0.51	4.30	13.00
KAR21			80	12.49	86.1	0.74	3.70	14.80
KAR21			100	10.67	90.8	1.15	3.00	16.80
KAR21			125	2.37	89.3	1.75	1.80	18.80
KAR21			160	-4.00	90.6	2.63	0.00	21.10
KAR21			200	-8.06	91.9	3.78	0.00	22.80
KAR22	4 371	4 375						
KAR22			20	28.58	63.9	0.00	5.60	7.60
KAR22			25	25.69	67.8	0.09	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR22			32	24.75	73.3	0.13	5.20	9.20
KAR22			40	22.16	76.9	0.22	5.00	10.30
KAR22			50	21.28	82.0	0.31	4.70	11.50
KAR22			63	16.50	83.3	0.48	4.30	13.00
KAR22			80	12.98	86.1	0.70	3.70	14.80
KAR22			100	11.19	90.8	1.09	3.00	16.80
KAR22			125	2.92	89.3	1.66	1.80	18.80
KAR22			160	-3.41	90.6	2.49	0.00	21.10
KAR22			200	-7.41	91.9	3.59	0.00	22.80
KAR23	4 974	4 977						
KAR23			20	27.46	63.9	0.00	5.60	7.60
KAR23			25	24.56	67.8	0.10	5.40	8.30
KAR23			32	23.61	73.3	0.15	5.20	9.20
KAR23			40	21.01	76.9	0.25	5.00	10.30
KAR23			50	20.11	82.0	0.35	4.70	11.50
KAR23			63	15.31	83.3	0.55	4.30	13.00
KAR23			80	11.76	86.1	0.80	3.70	14.80
KAR23			100	9.92	90.8	1.24	3.00	16.80
KAR23			125	1.57	89.3	1.89	1.80	18.80
KAR23			160	-4.88	90.6	2.84	0.00	21.10
KAR23			200	-9.02	91.9	4.08	0.00	22.80
KAR24	4 730	4 733						
KAR24			20	27.90	63.9	0.00	5.60	7.60
KAR24			25	25.00	67.8	0.09	5.40	8.30
KAR24			32	24.06	73.3	0.14	5.20	9.20
KAR24			40	21.46	76.9	0.24	5.00	10.30
KAR24			50	20.57	82.0	0.33	4.70	11.50
KAR24			63	15.78	83.3	0.52	4.30	13.00
KAR24			80	12.24	86.1	0.76	3.70	14.80
KAR24			100	10.41	90.8	1.18	3.00	16.80
KAR24			125	2.10	89.3	1.80	1.80	18.80
KAR24			160	-4.30	90.6	2.70	0.00	21.10
KAR24			200	-8.38	91.9	3.88	0.00	22.80
KAR25	3 227	3 231						
KAR25			20	31.21	63.9	0.00	5.60	7.60
KAR25			25	28.35	67.8	0.06	5.40	8.30
KAR25			32	27.42	73.3	0.10	5.20	9.20
KAR25			40	24.85	76.9	0.16	5.00	10.30
KAR25			50	23.99	82.0	0.23	4.70	11.50
KAR25			63	19.26	83.3	0.36	4.30	13.00
KAR25			80	15.79	86.1	0.52	3.70	14.80
KAR25			100	14.10	90.8	0.81	3.00	16.80
KAR25			125	5.98	89.3	1.23	1.80	18.80
KAR25			160	-0.13	90.6	1.84	0.00	21.10
KAR25			200	-3.84	91.9	2.65	0.00	22.80
MAA01	5 081	5 083						
MAA01			20	27.28	63.9	0.00	5.60	7.60
MAA01			25	24.38	67.8	0.10	5.40	8.30
MAA01			32	23.42	73.3	0.15	5.20	9.20
MAA01			40	20.82	76.9	0.25	5.00	10.30
MAA01			50	19.92	82.0	0.36	4.70	11.50
MAA01			63	15.12	83.3	0.56	4.30	13.00
MAA01			80	11.56	86.1	0.81	3.70	14.80
MAA01			100	9.71	90.8	1.27	3.00	16.80
MAA01			125	1.35	89.3	1.93	1.80	18.80
MAA01			160	-5.12	90.6	2.90	0.00	21.10
MAA01			200	-9.29	91.9	4.17	0.00	22.80
MAA03	4 940	4 942						
MAA03			20	27.52	63.9	0.00	5.60	7.60
MAA03			25	24.62	67.8	0.10	5.40	8.30
MAA03			32	23.67	73.3	0.15	5.20	9.20
MAA03			40	21.07	76.9	0.25	5.00	10.30
MAA03			50	20.18	82.0	0.35	4.70	11.50
MAA03			63	15.38	83.3	0.54	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA03			80	11.83	86.1	0.79	3.70	14.80
MAA03			100	9.99	90.8	1.24	3.00	16.80
MAA03			125	1.64	89.3	1.88	1.80	18.80
MAA03			160	-4.80	90.6	2.82	0.00	21.10
MAA03			200	-8.93	91.9	4.05	0.00	22.80
MAA04	3 773	3 776						
MAA04			20	29.86	63.9	0.00	5.60	7.60
MAA04			25	26.98	67.8	0.08	5.40	8.30
MAA04			32	26.05	73.3	0.11	5.20	9.20
MAA04			40	23.47	76.9	0.19	5.00	10.30
MAA04			50	22.60	82.0	0.26	4.70	11.50
MAA04			63	17.84	83.3	0.42	4.30	13.00
MAA04			80	14.36	86.1	0.60	3.70	14.80
MAA04			100	12.62	90.8	0.94	3.00	16.80
MAA04			125	4.42	89.3	1.43	1.80	18.80
MAA04			160	-1.79	90.6	2.15	0.00	21.10
MAA04			200	-5.64	91.9	3.10	0.00	22.80
MAA05	4 798	4 800						
MAA05			20	27.78	63.9	0.00	5.60	7.60
MAA05			25	24.88	67.8	0.10	5.40	8.30
MAA05			32	23.93	73.3	0.14	5.20	9.20
MAA05			40	21.34	76.9	0.24	5.00	10.30
MAA05			50	20.44	82.0	0.34	4.70	11.50
MAA05			63	15.65	83.3	0.53	4.30	13.00
MAA05			80	12.11	86.1	0.77	3.70	14.80
MAA05			100	10.28	90.8	1.20	3.00	16.80
MAA05			125	1.95	89.3	1.82	1.80	18.80
MAA05			160	-4.46	90.6	2.74	0.00	21.10
MAA05			200	-8.56	91.9	3.94	0.00	22.80
MAA06	4 488	4 490						
MAA06			20	28.36	63.9	0.00	5.60	7.60
MAA06			25	25.47	67.8	0.09	5.40	8.30
MAA06			32	24.52	73.3	0.13	5.20	9.20
MAA06			40	21.93	76.9	0.22	5.00	10.30
MAA06			50	21.04	82.0	0.31	4.70	11.50
MAA06			63	16.26	83.3	0.49	4.30	13.00
MAA06			80	12.74	86.1	0.72	3.70	14.80
MAA06			100	10.93	90.8	1.12	3.00	16.80
MAA06			125	2.65	89.3	1.71	1.80	18.80
MAA06			160	-3.70	90.6	2.56	0.00	21.10
MAA06			200	-7.73	91.9	3.68	0.00	22.80
MAA07	4 118	4 120						
MAA07			20	29.10	63.9	0.00	5.60	7.60
MAA07			25	26.22	67.8	0.08	5.40	8.30
MAA07			32	25.28	73.3	0.12	5.20	9.20
MAA07			40	22.70	76.9	0.21	5.00	10.30
MAA07			50	21.81	82.0	0.29	4.70	11.50
MAA07			63	17.05	83.3	0.45	4.30	13.00
MAA07			80	13.54	86.1	0.66	3.70	14.80
MAA07			100	11.77	90.8	1.03	3.00	16.80
MAA07			125	3.54	89.3	1.57	1.80	18.80
MAA07			160	-2.75	90.6	2.35	0.00	21.10
MAA07			200	-6.68	91.9	3.38	0.00	22.80
MAA08	3 831	3 834						
MAA08			20	29.73	63.9	0.00	5.60	7.60
MAA08			25	26.85	67.8	0.08	5.40	8.30
MAA08			32	25.91	73.3	0.12	5.20	9.20
MAA08			40	23.34	76.9	0.19	5.00	10.30
MAA08			50	22.46	82.0	0.27	4.70	11.50
MAA08			63	17.71	83.3	0.42	4.30	13.00
MAA08			80	14.21	86.1	0.61	3.70	14.80
MAA08			100	12.47	90.8	0.96	3.00	16.80
MAA08			125	4.27	89.3	1.46	1.80	18.80
MAA08			160	-1.96	90.6	2.19	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA08			200	-5.82	91.9	3.14	0.00	22.80
RAH01	6 822	6 824						
RAH01			20	22.87	62.0	0.00	5.60	7.60
RAH01			25	21.23	67.2	0.14	5.40	8.30
RAH01			32	19.56	72.0	0.20	5.20	9.20
RAH01			40	18.10	76.8	0.34	5.00	10.30
RAH01			50	16.47	81.2	0.48	4.70	11.50
RAH01			63	14.09	85.0	0.75	4.30	13.00
RAH01			80	10.95	88.3	1.09	3.70	14.80
RAH01			100	7.01	91.1	1.71	3.00	16.80
RAH01			125	2.13	93.3	2.59	1.80	18.80
RAH01			160	-4.29	95.0	3.89	0.00	21.10
RAH01			200	-9.08	96.1	5.60	0.00	22.80
RAH02	6 598	6 600						
RAH02			20	23.16	62.0	0.00	5.60	7.60
RAH02			25	21.53	67.2	0.13	5.40	8.30
RAH02			32	19.86	72.0	0.20	5.20	9.20
RAH02			40	18.40	76.8	0.33	5.00	10.30
RAH02			50	16.77	81.2	0.46	4.70	11.50
RAH02			63	14.41	85.0	0.73	4.30	13.00
RAH02			80	11.28	88.3	1.06	3.70	14.80
RAH02			100	7.36	91.1	1.65	3.00	16.80
RAH02			125	2.50	93.3	2.51	1.80	18.80
RAH02			160	-3.88	95.0	3.76	0.00	21.10
RAH02			200	-8.60	96.1	5.41	0.00	22.80
RAH03	6 138	6 140						
RAH03			20	23.78	62.0	0.00	5.60	7.60
RAH03			25	22.16	67.2	0.12	5.40	8.30
RAH03			32	20.50	72.0	0.18	5.20	9.20
RAH03			40	19.05	76.8	0.31	5.00	10.30
RAH03			50	17.43	81.2	0.43	4.70	11.50
RAH03			63	15.09	85.0	0.68	4.30	13.00
RAH03			80	11.98	88.3	0.98	3.70	14.80
RAH03			100	8.10	91.1	1.54	3.00	16.80
RAH03			125	3.30	93.3	2.33	1.80	18.80
RAH03			160	-2.99	95.0	3.50	0.00	21.10
RAH03			200	-7.60	96.1	5.03	0.00	22.80
RAH04	6 351	6 353						
RAH04			20	23.49	62.0	0.00	5.60	7.60
RAH04			25	21.86	67.2	0.13	5.40	8.30
RAH04			32	20.20	72.0	0.19	5.20	9.20
RAH04			40	18.75	76.8	0.32	5.00	10.30
RAH04			50	17.12	81.2	0.44	4.70	11.50
RAH04			63	14.77	85.0	0.70	4.30	13.00
RAH04			80	11.65	88.3	1.02	3.70	14.80
RAH04			100	7.75	91.1	1.59	3.00	16.80
RAH04			125	2.93	93.3	2.41	1.80	18.80
RAH04			160	-3.41	95.0	3.62	0.00	21.10
RAH04			200	-8.07	96.1	5.21	0.00	22.80
RAH05	5 636	5 638						
RAH05			20	24.53	62.0	0.00	5.60	7.60
RAH05			25	22.91	67.2	0.11	5.40	8.30
RAH05			32	21.26	72.0	0.17	5.20	9.20
RAH05			40	19.82	76.8	0.28	5.00	10.30
RAH05			50	18.21	81.2	0.39	4.70	11.50
RAH05			63	15.88	85.0	0.62	4.30	13.00
RAH05			80	12.80	88.3	0.90	3.70	14.80
RAH05			100	8.97	91.1	1.41	3.00	16.80
RAH05			125	4.23	93.3	2.14	1.80	18.80
RAH05			160	-1.96	95.0	3.21	0.00	21.10
RAH05			200	-6.45	96.1	4.62	0.00	22.80
RAH06	5 521	5 523						
RAH06			20	24.71	62.0	0.00	5.60	7.60
RAH06			25	23.09	67.2	0.11	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH06			32	21.44	72.0	0.17	5.20	9.20
RAH06			40	20.00	76.8	0.28	5.00	10.30
RAH06			50	18.39	81.2	0.39	4.70	11.50
RAH06			63	16.07	85.0	0.61	4.30	13.00
RAH06			80	13.00	88.3	0.88	3.70	14.80
RAH06			100	9.18	91.1	1.38	3.00	16.80
RAH06			125	4.46	93.3	2.10	1.80	18.80
RAH06			160	-1.72	95.0	3.15	0.00	21.10
RAH06			200	-6.17	96.1	4.53	0.00	22.80
RAH07	6 576	6 578						
RAH07			20	23.19	62.0	0.00	5.60	7.60
RAH07			25	21.56	67.2	0.13	5.40	8.30
RAH07			32	19.89	72.0	0.20	5.20	9.20
RAH07			40	18.43	76.8	0.33	5.00	10.30
RAH07			50	16.80	81.2	0.46	4.70	11.50
RAH07			63	14.44	85.0	0.72	4.30	13.00
RAH07			80	11.31	88.3	1.05	3.70	14.80
RAH07			100	7.39	91.1	1.64	3.00	16.80
RAH07			125	2.54	93.3	2.50	1.80	18.80
RAH07			160	-3.84	95.0	3.75	0.00	21.10
RAH07			200	-8.56	96.1	5.39	0.00	22.80
RAH08	7 026	7 028						
RAH08			20	22.61	62.0	0.00	5.60	7.60
RAH08			25	20.97	67.2	0.14	5.40	8.30
RAH08			32	19.30	72.0	0.21	5.20	9.20
RAH08			40	17.84	76.8	0.35	5.00	10.30
RAH08			50	16.20	81.2	0.49	4.70	11.50
RAH08			63	13.81	85.0	0.77	4.30	13.00
RAH08			80	10.66	88.3	1.12	3.70	14.80
RAH08			100	6.71	91.1	1.76	3.00	16.80
RAH08			125	1.79	93.3	2.67	1.80	18.80
RAH08			160	-4.67	95.0	4.01	0.00	21.10
RAH08			200	-9.50	96.1	5.76	0.00	22.80
RAH09	6 261	6 263						
RAH09			20	23.61	62.0	0.00	5.60	7.60
RAH09			25	21.99	67.2	0.13	5.40	8.30
RAH09			32	20.32	72.0	0.19	5.20	9.20
RAH09			40	18.88	76.8	0.31	5.00	10.30
RAH09			50	17.25	81.2	0.44	4.70	11.50
RAH09			63	14.90	85.0	0.69	4.30	13.00
RAH09			80	11.79	88.3	1.00	3.70	14.80
RAH09			100	7.90	91.1	1.57	3.00	16.80
RAH09			125	3.08	93.3	2.38	1.80	18.80
RAH09			160	-3.23	95.0	3.57	0.00	21.10
RAH09			200	-7.87	96.1	5.14	0.00	22.80
RAH10	6 955	6 956						
RAH10			20	22.70	62.0	0.00	5.60	7.60
RAH10			25	21.06	67.2	0.14	5.40	8.30
RAH10			32	19.39	72.0	0.21	5.20	9.20
RAH10			40	17.93	76.8	0.35	5.00	10.30
RAH10			50	16.29	81.2	0.49	4.70	11.50
RAH10			63	13.91	85.0	0.77	4.30	13.00
RAH10			80	10.76	88.3	1.11	3.70	14.80
RAH10			100	6.81	91.1	1.74	3.00	16.80
RAH10			125	1.91	93.3	2.64	1.80	18.80
RAH10			160	-4.54	95.0	3.97	0.00	21.10
RAH10			200	-9.35	96.1	5.70	0.00	22.80
RAH11	6 630	6 632						
RAH11			20	23.12	62.0	0.00	5.60	7.60
RAH11			25	21.48	67.2	0.13	5.40	8.30
RAH11			32	19.82	72.0	0.20	5.20	9.20
RAH11			40	18.36	76.8	0.33	5.00	10.30
RAH11			50	16.73	81.2	0.46	4.70	11.50
RAH11			63	14.36	85.0	0.73	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH11			80	11.23	88.3	1.06	3.70	14.80
RAH11			100	7.31	91.1	1.66	3.00	16.80
RAH11			125	2.45	93.3	2.52	1.80	18.80
RAH11			160	-3.94	95.0	3.78	0.00	21.10
RAH11			200	-8.67	96.1	5.44	0.00	22.80
RAH12	7 359	7 361						
RAH12			20	22.21	62.0	0.00	5.60	7.60
RAH12			25	20.56	67.2	0.15	5.40	8.30
RAH12			32	18.89	72.0	0.22	5.20	9.20
RAH12			40	17.42	76.8	0.37	5.00	10.30
RAH12			50	15.77	81.2	0.52	4.70	11.50
RAH12			63	13.38	85.0	0.81	4.30	13.00
RAH12			80	10.21	88.3	1.18	3.70	14.80
RAH12			100	6.22	91.1	1.84	3.00	16.80
RAH12			125	1.26	93.3	2.80	1.80	18.80
RAH12			160	-5.26	95.0	4.20	0.00	21.10
RAH12			200	-10.17	96.1	6.04	0.00	22.80
RAH13	7 290	7 292						
RAH13			20	22.29	62.0	0.00	5.60	7.60
RAH13			25	20.65	67.2	0.15	5.40	8.30
RAH13			32	18.97	72.0	0.22	5.20	9.20
RAH13			40	17.50	76.8	0.36	5.00	10.30
RAH13			50	15.86	81.2	0.51	4.70	11.50
RAH13			63	13.47	85.0	0.80	4.30	13.00
RAH13			80	10.30	88.3	1.17	3.70	14.80
RAH13			100	6.32	91.1	1.82	3.00	16.80
RAH13			125	1.37	93.3	2.77	1.80	18.80
RAH13			160	-5.14	95.0	4.16	0.00	21.10
RAH13			200	-10.04	96.1	5.98	0.00	22.80
RAH14	6 638	6 639						
RAH14			20	23.11	62.0	0.00	5.60	7.60
RAH14			25	21.47	67.2	0.13	5.40	8.30
RAH14			32	19.81	72.0	0.20	5.20	9.20
RAH14			40	18.35	76.8	0.33	5.00	10.30
RAH14			50	16.72	81.2	0.46	4.70	11.50
RAH14			63	14.35	85.0	0.73	4.30	13.00
RAH14			80	11.22	88.3	1.06	3.70	14.80
RAH14			100	7.30	91.1	1.66	3.00	16.80
RAH14			125	2.43	93.3	2.52	1.80	18.80
RAH14			160	-3.95	95.0	3.78	0.00	21.10
RAH14			200	-8.69	96.1	5.44	0.00	22.80
RAH15	7 394	7 395						
RAH15			20	22.17	62.0	0.00	5.60	7.60
RAH15			25	20.52	67.2	0.15	5.40	8.30
RAH15			32	18.85	72.0	0.22	5.20	9.20
RAH15			40	17.38	76.8	0.37	5.00	10.30
RAH15			50	15.73	81.2	0.52	4.70	11.50
RAH15			63	13.33	85.0	0.81	4.30	13.00
RAH15			80	10.16	88.3	1.18	3.70	14.80
RAH15			100	6.17	91.1	1.85	3.00	16.80
RAH15			125	1.21	93.3	2.81	1.80	18.80
RAH15			160	-5.32	95.0	4.22	0.00	21.10
RAH15			200	-10.24	96.1	6.06	0.00	22.80
RAH16	8 081	8 082						
RAH16			20	21.40	62.0	0.00	5.60	7.60
RAH16			25	19.74	67.2	0.16	5.40	8.30
RAH16			32	18.06	72.0	0.24	5.20	9.20
RAH16			40	16.57	76.8	0.40	5.00	10.30
RAH16			50	14.91	81.2	0.57	4.70	11.50
RAH16			63	12.48	85.0	0.89	4.30	13.00
RAH16			80	9.28	88.3	1.29	3.70	14.80
RAH16			100	5.23	91.1	2.02	3.00	16.80
RAH16			125	0.18	93.3	3.07	1.80	18.80
RAH16			160	-6.48	95.0	4.61	0.00	21.10

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH16			200	-11.58	96.1	6.63	0.00	22.80
RAH17	6 251	6 254						
RAH17			20	23.63	62.0	0.00	5.60	7.60
RAH17			25	22.00	67.2	0.13	5.40	8.30
RAH17			32	20.34	72.0	0.19	5.20	9.20
RAH17			40	18.89	76.8	0.31	5.00	10.30
RAH17			50	17.26	81.2	0.44	4.70	11.50
RAH17			63	14.91	85.0	0.69	4.30	13.00
RAH17			80	11.80	88.3	1.00	3.70	14.80
RAH17			100	7.91	91.1	1.56	3.00	16.80
RAH17			125	3.10	93.3	2.38	1.80	18.80
RAH17			160	-3.21	95.0	3.56	0.00	21.10
RAH17			200	-7.85	96.1	5.13	0.00	22.80
RAH18	6 928	6 930						
RAH18			20	22.73	62.0	0.00	5.60	7.60
RAH18			25	21.10	67.2	0.14	5.40	8.30
RAH18			32	19.43	72.0	0.21	5.20	9.20
RAH18			40	17.96	76.8	0.35	5.00	10.30
RAH18			50	16.32	81.2	0.49	4.70	11.50
RAH18			63	13.95	85.0	0.76	4.30	13.00
RAH18			80	10.80	88.3	1.11	3.70	14.80
RAH18			100	6.85	91.1	1.73	3.00	16.80
RAH18			125	1.95	93.3	2.63	1.80	18.80
RAH18			160	-4.49	95.0	3.95	0.00	21.10
RAH18			200	-9.30	96.1	5.68	0.00	22.80
RAH19	6 646	6 648						
RAH19			20	23.09	62.0	0.00	5.60	7.60
RAH19			25	21.46	67.2	0.13	5.40	8.30
RAH19			32	19.79	72.0	0.20	5.20	9.20
RAH19			40	18.34	76.8	0.33	5.00	10.30
RAH19			50	16.70	81.2	0.47	4.70	11.50
RAH19			63	14.34	85.0	0.73	4.30	13.00
RAH19			80	11.21	88.3	1.06	3.70	14.80
RAH19			100	7.28	91.1	1.66	3.00	16.80
RAH19			125	2.42	93.3	2.53	1.80	18.80
RAH19			160	-3.97	95.0	3.79	0.00	21.10
RAH19			200	-8.71	96.1	5.45	0.00	22.80
SIL01	12 434	12 435						
SIL01			20	18.93	63.3	0.00	5.60	7.60
SIL01			25	17.08	68.4	0.25	5.40	8.30
SIL01			32	11.06	68.9	0.37	5.20	9.20
SIL01			40	7.91	72.1	0.62	5.00	10.30
SIL01			50	6.46	76.8	0.87	4.70	11.50
SIL01			63	3.05	79.8	1.37	4.30	13.00
SIL01			80	-0.87	82.6	1.99	3.70	14.80
SIL01			100	-4.67	86.0	3.11	3.00	16.80
SIL01			125	-9.23	89.3	4.73	1.80	18.80
SIL01			160	-19.50	88.2	7.09	0.00	21.10
SIL01			200	-25.00	90.0	10.20	0.00	22.80
SIL02	11 803	11 804						
SIL02			20	19.38	63.3	0.00	5.60	7.60
SIL02			25	17.54	68.4	0.24	5.40	8.30
SIL02			32	11.53	68.9	0.35	5.20	9.20
SIL02			40	8.39	72.1	0.59	5.00	10.30
SIL02			50	6.96	76.8	0.83	4.70	11.50
SIL02			63	3.57	79.8	1.30	4.30	13.00
SIL02			80	-0.32	82.6	1.89	3.70	14.80
SIL02			100	-4.06	86.0	2.95	3.00	16.80
SIL02			125	-8.54	89.3	4.49	1.80	18.80
SIL02			160	-18.69	88.2	6.73	0.00	21.10
SIL02			200	-24.03	90.0	9.68	0.00	22.80
SIL03	11 071	11 072						
SIL03			20	19.94	63.3	0.00	5.60	7.60
SIL03			25	18.11	68.4	0.22	5.40	8.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL03			32	12.11	68.9	0.33	5.20	9.20
SIL03			40	8.98	72.1	0.55	5.00	10.30
SIL03			50	7.56	76.8	0.78	4.70	11.50
SIL03			63	4.20	79.8	1.22	4.30	13.00
SIL03			80	0.36	82.6	1.77	3.70	14.80
SIL03			100	-3.32	86.0	2.77	3.00	16.80
SIL03			125	-7.70	89.3	4.21	1.80	18.80
SIL03			160	-17.71	88.2	6.31	0.00	21.10
SIL03			200	-22.88	90.0	9.08	0.00	22.80
SIL04	11 221	11 222						
SIL04			20	19.82	63.3	0.00	5.60	7.60
SIL04			25	17.99	68.4	0.22	5.40	8.30
SIL04			32	11.99	68.9	0.34	5.20	9.20
SIL04			40	8.86	72.1	0.56	5.00	10.30
SIL04			50	7.44	76.8	0.79	4.70	11.50
SIL04			63	4.07	79.8	1.23	4.30	13.00
SIL04			80	0.21	82.6	1.80	3.70	14.80
SIL04			100	-3.48	86.0	2.81	3.00	16.80
SIL04			125	-7.88	89.3	4.26	1.80	18.80
SIL04			160	-17.92	88.2	6.40	0.00	21.10
SIL04			200	-23.11	90.0	9.20	0.00	22.80
SIL05	12 296	12 297						
SIL05			20	19.03	63.3	0.00	5.60	7.60
SIL05			25	17.18	68.4	0.25	5.40	8.30
SIL05			32	11.16	68.9	0.37	5.20	9.20
SIL05			40	8.01	72.1	0.61	5.00	10.30
SIL05			50	6.57	76.8	0.86	4.70	11.50
SIL05			63	3.16	79.8	1.35	4.30	13.00
SIL05			80	-0.75	82.6	1.97	3.70	14.80
SIL05			100	-4.54	86.0	3.07	3.00	16.80
SIL05			125	-9.08	89.3	4.67	1.80	18.80
SIL05			160	-19.32	88.2	7.01	0.00	21.10
SIL05			200	-24.79	90.0	10.08	0.00	22.80
SIL06	11 825	11 826						
SIL06			20	19.37	63.3	0.00	5.60	7.60
SIL06			25	17.52	68.4	0.24	5.40	8.30
SIL06			32	11.52	68.9	0.35	5.20	9.20
SIL06			40	8.38	72.1	0.59	5.00	10.30
SIL06			50	6.94	76.8	0.83	4.70	11.50
SIL06			63	3.55	79.8	1.30	4.30	13.00
SIL06			80	-0.34	82.6	1.89	3.70	14.80
SIL06			100	-4.08	86.0	2.96	3.00	16.80
SIL06			125	-8.56	89.3	4.49	1.80	18.80
SIL06			160	-18.72	88.2	6.74	0.00	21.10
SIL06			200	-24.07	90.0	9.70	0.00	22.80
SIL07	11 311	11 312						
SIL07			20	19.75	63.3	0.00	5.60	7.60
SIL07			25	17.92	68.4	0.23	5.40	8.30
SIL07			32	11.92	68.9	0.34	5.20	9.20
SIL07			40	8.79	72.1	0.57	5.00	10.30
SIL07			50	7.36	76.8	0.79	4.70	11.50
SIL07			63	3.99	79.8	1.24	4.30	13.00
SIL07			80	0.13	82.6	1.81	3.70	14.80
SIL07			100	-3.57	86.0	2.83	3.00	16.80
SIL07			125	-7.98	89.3	4.30	1.80	18.80
SIL07			160	-18.04	88.2	6.45	0.00	21.10
SIL07			200	-23.26	90.0	9.28	0.00	22.80
SIL08	11 767	11 768						
SIL08			20	19.41	63.3	0.00	5.60	7.60
SIL08			25	17.57	68.4	0.24	5.40	8.30
SIL08			32	11.56	68.9	0.35	5.20	9.20
SIL08			40	8.42	72.1	0.59	5.00	10.30
SIL08			50	6.99	76.8	0.82	4.70	11.50
SIL08			63	3.60	79.8	1.29	4.30	13.00

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL08			80	-0.29	82.6	1.88	3.70	14.80
SIL08			100	-4.03	86.0	2.94	3.00	16.80
SIL08			125	-8.50	89.3	4.47	1.80	18.80
SIL08			160	-18.64	88.2	6.71	0.00	21.10
SIL08			200	-23.98	90.0	9.65	0.00	22.80
Sum								
Sum			20	45.18				
Sum			25	42.50				
Sum			32	41.38				
Sum			40	38.96				
Sum			50	37.97				
Sum			63	33.66				
Sum			80	30.25				
Sum			100	28.06				
Sum			125	20.64				
Sum			160	14.35				
Sum			200	10.28				

Noise sensitive area: AQ Noise sensitive point: Finnish normal frequency - User defined (14)

Wind speed: 8.0 m/s

WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR01	4 641	4 644						
KAR01			20	28.06	63.9	0.00	5.60	7.60
KAR01			25	25.17	67.8	0.09	5.40	8.30
KAR01			32	24.22	73.3	0.14	5.20	9.20
KAR01			40	21.63	76.9	0.23	5.00	10.30
KAR01			50	20.74	82.0	0.33	4.70	11.50
KAR01			63	15.95	83.3	0.51	4.30	13.00
KAR01			80	12.42	86.1	0.74	3.70	14.80
KAR01			100	10.60	90.8	1.16	3.00	16.80
KAR01			125	2.30	89.3	1.76	1.80	18.80
KAR01			160	-4.09	90.6	2.65	0.00	21.10
KAR01			200	-8.15	91.9	3.81	0.00	22.80
KAR02	3 480	3 485						
KAR02			20	30.56	63.9	0.00	5.60	7.60
KAR02			25	27.69	67.8	0.07	5.40	8.30
KAR02			32	26.75	73.3	0.10	5.20	9.20
KAR02			40	24.18	76.9	0.17	5.00	10.30
KAR02			50	23.31	82.0	0.24	4.70	11.50
KAR02			63	18.57	83.3	0.38	4.30	13.00
KAR02			80	15.10	86.1	0.56	3.70	14.80
KAR02			100	13.39	90.8	0.87	3.00	16.80
KAR02			125	5.23	89.3	1.32	1.80	18.80
KAR02			160	-0.93	90.6	1.99	0.00	21.10
KAR02			200	-4.70	91.9	2.86	0.00	22.80
KAR03	4 033	4 037						
KAR03			20	29.28	63.9	0.00	5.60	7.60
KAR03			25	26.40	67.8	0.08	5.40	8.30
KAR03			32	25.46	73.3	0.12	5.20	9.20
KAR03			40	22.88	76.9	0.20	5.00	10.30
KAR03			50	22.00	82.0	0.28	4.70	11.50
KAR03			63	17.23	83.3	0.44	4.30	13.00
KAR03			80	13.73	86.1	0.65	3.70	14.80
KAR03			100	11.97	90.8	1.01	3.00	16.80
KAR03			125	3.74	89.3	1.53	1.80	18.80
KAR03			160	-2.52	90.6	2.30	0.00	21.10
KAR03			200	-6.43	91.9	3.31	0.00	22.80
KAR04	4 586	4 590						
KAR04			20	28.16	63.9	0.00	5.60	7.60
KAR04			25	25.27	67.8	0.09	5.40	8.30
KAR04			32	24.33	73.3	0.14	5.20	9.20
KAR04			40	21.74	76.9	0.23	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR04			50	20.84	82.0	0.32	4.70	11.50
KAR04			63	16.06	83.3	0.50	4.30	13.00
KAR04			80	12.53	86.1	0.73	3.70	14.80
KAR04			100	10.72	90.8	1.15	3.00	16.80
KAR04			125	2.42	89.3	1.74	1.80	18.80
KAR04			160	-3.95	90.6	2.62	0.00	21.10
KAR04			200	-8.00	91.9	3.76	0.00	22.80
KAR05	5 207	5 210						
KAR05			20	27.06	63.9	0.00	5.60	7.60
KAR05			25	24.16	67.8	0.10	5.40	8.30
KAR05			32	23.21	73.3	0.16	5.20	9.20
KAR05			40	20.60	76.9	0.26	5.00	10.30
KAR05			50	19.70	82.0	0.36	4.70	11.50
KAR05			63	14.89	83.3	0.57	4.30	13.00
KAR05			80	11.33	86.1	0.83	3.70	14.80
KAR05			100	9.46	90.8	1.30	3.00	16.80
KAR05			125	1.08	89.3	1.98	1.80	18.80
KAR05			160	-5.41	90.6	2.97	0.00	21.10
KAR05			200	-9.61	91.9	4.27	0.00	22.80
KAR06	3 649	3 654						
KAR06			20	30.15	63.9	0.00	5.60	7.60
KAR06			25	27.27	67.8	0.07	5.40	8.30
KAR06			32	26.34	73.3	0.11	5.20	9.20
KAR06			40	23.76	76.9	0.18	5.00	10.30
KAR06			50	22.89	82.0	0.26	4.70	11.50
KAR06			63	18.14	83.3	0.40	4.30	13.00
KAR06			80	14.66	86.1	0.58	3.70	14.80
KAR06			100	12.93	90.8	0.91	3.00	16.80
KAR06			125	4.76	89.3	1.39	1.80	18.80
KAR06			160	-1.44	90.6	2.08	0.00	21.10
KAR06			200	-5.25	91.9	3.00	0.00	22.80
KAR07	2 829	2 834						
KAR07			20	32.35	63.9	0.00	5.60	7.60
KAR07			25	29.49	67.8	0.06	5.40	8.30
KAR07			32	28.57	73.3	0.09	5.20	9.20
KAR07			40	26.01	76.9	0.14	5.00	10.30
KAR07			50	25.15	82.0	0.20	4.70	11.50
KAR07			63	20.44	83.3	0.31	4.30	13.00
KAR07			80	17.00	86.1	0.45	3.70	14.80
KAR07			100	15.34	90.8	0.71	3.00	16.80
KAR07			125	7.27	89.3	1.08	1.80	18.80
KAR07			160	1.24	90.6	1.62	0.00	21.10
KAR07			200	-2.37	91.9	2.32	0.00	22.80
KAR08	2 012	2 019						
KAR08			20	35.30	63.9	0.00	5.60	7.60
KAR08			25	32.46	67.8	0.04	5.40	8.30
KAR08			32	31.53	73.3	0.06	5.20	9.20
KAR08			40	28.99	76.9	0.10	5.00	10.30
KAR08			50	28.15	82.0	0.14	4.70	11.50
KAR08			63	23.47	83.3	0.22	4.30	13.00
KAR08			80	20.07	86.1	0.32	3.70	14.80
KAR08			100	18.49	90.8	0.50	3.00	16.80
KAR08			125	10.53	89.3	0.77	1.80	18.80
KAR08			160	4.64	90.6	1.15	0.00	21.10
KAR08			200	1.24	91.9	1.66	0.00	22.80
KAR09	5 029	5 033						
KAR09			20	27.36	63.9	0.00	5.60	7.60
KAR09			25	24.46	67.8	0.10	5.40	8.30
KAR09			32	23.51	73.3	0.15	5.20	9.20
KAR09			40	20.91	76.9	0.25	5.00	10.30
KAR09			50	20.01	82.0	0.35	4.70	11.50
KAR09			63	15.21	83.3	0.55	4.30	13.00
KAR09			80	11.66	86.1	0.81	3.70	14.80
KAR09			100	9.81	90.8	1.26	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR09			125	1.45	89.3	1.91	1.80	18.80
KAR09			160	-5.01	90.6	2.87	0.00	21.10
KAR09			200	-9.16	91.9	4.13	0.00	22.80
KAR10	4 347	4 352						
KAR10			20	28.63	63.9	0.00	5.60	7.60
KAR10			25	25.74	67.8	0.09	5.40	8.30
KAR10			32	24.80	73.3	0.13	5.20	9.20
KAR10			40	22.21	76.9	0.22	5.00	10.30
KAR10			50	21.32	82.0	0.30	4.70	11.50
KAR10			63	16.55	83.3	0.48	4.30	13.00
KAR10			80	13.03	86.1	0.70	3.70	14.80
KAR10			100	11.24	90.8	1.09	3.00	16.80
KAR10			125	2.97	89.3	1.65	1.80	18.80
KAR10			160	-3.35	90.6	2.48	0.00	21.10
KAR10			200	-7.34	91.9	3.57	0.00	22.80
KAR11	3 194	3 200						
KAR11			20	31.30	63.9	0.00	5.60	7.60
KAR11			25	28.43	67.8	0.06	5.40	8.30
KAR11			32	27.50	73.3	0.10	5.20	9.20
KAR11			40	24.94	76.9	0.16	5.00	10.30
KAR11			50	24.07	82.0	0.22	4.70	11.50
KAR11			63	19.35	83.3	0.35	4.30	13.00
KAR11			80	15.89	86.1	0.51	3.70	14.80
KAR11			100	14.20	90.8	0.80	3.00	16.80
KAR11			125	6.08	89.3	1.22	1.80	18.80
KAR11			160	-0.03	90.6	1.82	0.00	21.10
KAR11			200	-3.73	91.9	2.62	0.00	22.80
KAR12	4 083	4 087						
KAR12			20	29.17	63.9	0.00	5.60	7.60
KAR12			25	26.29	67.8	0.08	5.40	8.30
KAR12			32	25.35	73.3	0.12	5.20	9.20
KAR12			40	22.77	76.9	0.20	5.00	10.30
KAR12			50	21.89	82.0	0.29	4.70	11.50
KAR12			63	17.12	83.3	0.45	4.30	13.00
KAR12			80	13.62	86.1	0.65	3.70	14.80
KAR12			100	11.85	90.8	1.02	3.00	16.80
KAR12			125	3.62	89.3	1.55	1.80	18.80
KAR12			160	-2.66	90.6	2.33	0.00	21.10
KAR12			200	-6.58	91.9	3.35	0.00	22.80
KAR13	2 866	2 872						
KAR13			20	32.24	63.9	0.00	5.60	7.60
KAR13			25	29.38	67.8	0.06	5.40	8.30
KAR13			32	28.45	73.3	0.09	5.20	9.20
KAR13			40	25.89	76.9	0.14	5.00	10.30
KAR13			50	25.04	82.0	0.20	4.70	11.50
KAR13			63	20.32	83.3	0.32	4.30	13.00
KAR13			80	16.88	86.1	0.46	3.70	14.80
KAR13			100	15.22	90.8	0.72	3.00	16.80
KAR13			125	7.14	89.3	1.09	1.80	18.80
KAR13			160	1.10	90.6	1.64	0.00	21.10
KAR13			200	-2.52	91.9	2.36	0.00	22.80
KAR14	4 699	4 703						
KAR14			20	27.95	63.9	0.00	5.60	7.60
KAR14			25	25.06	67.8	0.09	5.40	8.30
KAR14			32	24.11	73.3	0.14	5.20	9.20
KAR14			40	21.52	76.9	0.24	5.00	10.30
KAR14			50	20.62	82.0	0.33	4.70	11.50
KAR14			63	15.84	83.3	0.52	4.30	13.00
KAR14			80	12.30	86.1	0.75	3.70	14.80
KAR14			100	10.48	90.8	1.18	3.00	16.80
KAR14			125	2.17	89.3	1.79	1.80	18.80
KAR14			160	-4.23	90.6	2.68	0.00	21.10
KAR14			200	-8.30	91.9	3.86	0.00	22.80
KAR15	2 233	2 240						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR15			20	34.39	63.9	0.00	5.60	7.60
KAR15			25	31.55	67.8	0.04	5.40	8.30
KAR15			32	30.63	73.3	0.07	5.20	9.20
KAR15			40	28.08	76.9	0.11	5.00	10.30
KAR15			50	27.24	82.0	0.16	4.70	11.50
KAR15			63	22.55	83.3	0.25	4.30	13.00
KAR15			80	19.14	86.1	0.36	3.70	14.80
KAR15			100	17.53	90.8	0.56	3.00	16.80
KAR15			125	9.54	89.3	0.85	1.80	18.80
KAR15			160	3.62	90.6	1.28	0.00	21.10
KAR15			200	0.16	91.9	1.84	0.00	22.80
KAR16	4 301	4 305						
KAR16			20	28.72	63.9	0.00	5.60	7.60
KAR16			25	25.84	67.8	0.09	5.40	8.30
KAR16			32	24.89	73.3	0.13	5.20	9.20
KAR16			40	22.31	76.9	0.22	5.00	10.30
KAR16			50	21.42	82.0	0.30	4.70	11.50
KAR16			63	16.65	83.3	0.47	4.30	13.00
KAR16			80	13.13	86.1	0.69	3.70	14.80
KAR16			100	11.35	90.8	1.08	3.00	16.80
KAR16			125	3.09	89.3	1.64	1.80	18.80
KAR16			160	-3.23	90.6	2.45	0.00	21.10
KAR16			200	-7.21	91.9	3.53	0.00	22.80
KAR17	3 657	3 662						
KAR17			20	30.13	63.9	0.00	5.60	7.60
KAR17			25	27.25	67.8	0.07	5.40	8.30
KAR17			32	26.32	73.3	0.11	5.20	9.20
KAR17			40	23.74	76.9	0.18	5.00	10.30
KAR17			50	22.87	82.0	0.26	4.70	11.50
KAR17			63	18.12	83.3	0.40	4.30	13.00
KAR17			80	14.64	86.1	0.59	3.70	14.80
KAR17			100	12.91	90.8	0.92	3.00	16.80
KAR17			125	4.73	89.3	1.39	1.80	18.80
KAR17			160	-1.46	90.6	2.09	0.00	21.10
KAR17			200	-5.28	91.9	3.00	0.00	22.80
KAR18	5 047	5 051						
KAR18			20	27.33	63.9	0.00	5.60	7.60
KAR18			25	24.43	67.8	0.10	5.40	8.30
KAR18			32	23.48	73.3	0.15	5.20	9.20
KAR18			40	20.88	76.9	0.25	5.00	10.30
KAR18			50	19.98	82.0	0.35	4.70	11.50
KAR18			63	15.18	83.3	0.56	4.30	13.00
KAR18			80	11.63	86.1	0.81	3.70	14.80
KAR18			100	9.77	90.8	1.26	3.00	16.80
KAR18			125	1.41	89.3	1.92	1.80	18.80
KAR18			160	-5.05	90.6	2.88	0.00	21.10
KAR18			200	-9.21	91.9	4.14	0.00	22.80
KAR19	2 265	2 273						
KAR19			20	34.27	63.9	0.00	5.60	7.60
KAR19			25	31.42	67.8	0.05	5.40	8.30
KAR19			32	30.50	73.3	0.07	5.20	9.20
KAR19			40	27.96	76.9	0.11	5.00	10.30
KAR19			50	27.11	82.0	0.16	4.70	11.50
KAR19			63	22.42	83.3	0.25	4.30	13.00
KAR19			80	19.01	86.1	0.36	3.70	14.80
KAR19			100	17.40	90.8	0.57	3.00	16.80
KAR19			125	9.41	89.3	0.86	1.80	18.80
KAR19			160	3.47	90.6	1.30	0.00	21.10
KAR19			200	0.01	91.9	1.86	0.00	22.80
KAR20	4 246	4 251						
KAR20			20	28.83	63.9	0.00	5.60	7.60
KAR20			25	25.95	67.8	0.09	5.40	8.30
KAR20			32	25.00	73.3	0.13	5.20	9.20
KAR20			40	22.42	76.9	0.21	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR20			50	21.53	82.0	0.30	4.70	11.50
KAR20			63	16.76	83.3	0.47	4.30	13.00
KAR20			80	13.25	86.1	0.68	3.70	14.80
KAR20			100	11.47	90.8	1.06	3.00	16.80
KAR20			125	3.22	89.3	1.62	1.80	18.80
KAR20			160	-3.09	90.6	2.42	0.00	21.10
KAR20			200	-7.05	91.9	3.49	0.00	22.80
KAR21	3 481	3 486						
KAR21			20	30.55	63.9	0.00	5.60	7.60
KAR21			25	27.68	67.8	0.07	5.40	8.30
KAR21			32	26.75	73.3	0.10	5.20	9.20
KAR21			40	24.18	76.9	0.17	5.00	10.30
KAR21			50	23.31	82.0	0.24	4.70	11.50
KAR21			63	18.57	83.3	0.38	4.30	13.00
KAR21			80	15.10	86.1	0.56	3.70	14.80
KAR21			100	13.38	90.8	0.87	3.00	16.80
KAR21			125	5.23	89.3	1.32	1.80	18.80
KAR21			160	-0.93	90.6	1.99	0.00	21.10
KAR21			200	-4.71	91.9	2.86	0.00	22.80
KAR22	3 054	3 060						
KAR22			20	31.69	63.9	0.00	5.60	7.60
KAR22			25	28.83	67.8	0.06	5.40	8.30
KAR22			32	27.89	73.3	0.09	5.20	9.20
KAR22			40	25.33	76.9	0.15	5.00	10.30
KAR22			50	24.47	82.0	0.21	4.70	11.50
KAR22			63	19.75	83.3	0.34	4.30	13.00
KAR22			80	16.30	86.1	0.49	3.70	14.80
KAR22			100	14.62	90.8	0.76	3.00	16.80
KAR22			125	6.52	89.3	1.16	1.80	18.80
KAR22			160	0.44	90.6	1.74	0.00	21.10
KAR22			200	-3.22	91.9	2.51	0.00	22.80
KAR23	3 608	3 613						
KAR23			20	30.24	63.9	0.00	5.60	7.60
KAR23			25	27.37	67.8	0.07	5.40	8.30
KAR23			32	26.43	73.3	0.11	5.20	9.20
KAR23			40	23.86	76.9	0.18	5.00	10.30
KAR23			50	22.99	82.0	0.25	4.70	11.50
KAR23			63	18.25	83.3	0.40	4.30	13.00
KAR23			80	14.77	86.1	0.58	3.70	14.80
KAR23			100	13.04	90.8	0.90	3.00	16.80
KAR23			125	4.87	89.3	1.37	1.80	18.80
KAR23			160	-1.32	90.6	2.06	0.00	21.10
KAR23			200	-5.12	91.9	2.96	0.00	22.80
KAR24	5 292	5 295						
KAR24			20	26.92	63.9	0.00	5.60	7.60
KAR24			25	24.02	67.8	0.11	5.40	8.30
KAR24			32	23.06	73.3	0.16	5.20	9.20
KAR24			40	20.46	76.9	0.26	5.00	10.30
KAR24			50	19.55	82.0	0.37	4.70	11.50
KAR24			63	14.74	83.3	0.58	4.30	13.00
KAR24			80	11.17	86.1	0.85	3.70	14.80
KAR24			100	9.30	90.8	1.32	3.00	16.80
KAR24			125	0.91	89.3	2.01	1.80	18.80
KAR24			160	-5.60	90.6	3.02	0.00	21.10
KAR24			200	-9.82	91.9	4.34	0.00	22.80
KAR25	3 959	3 963						
KAR25			20	29.44	63.9	0.00	5.60	7.60
KAR25			25	26.56	67.8	0.08	5.40	8.30
KAR25			32	25.62	73.3	0.12	5.20	9.20
KAR25			40	23.04	76.9	0.20	5.00	10.30
KAR25			50	22.16	82.0	0.28	4.70	11.50
KAR25			63	17.40	83.3	0.44	4.30	13.00
KAR25			80	13.90	86.1	0.63	3.70	14.80
KAR25			100	12.15	90.8	0.99	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
KAR25			125	3.93	89.3	1.51	1.80	18.80
KAR25			160	-2.32	90.6	2.26	0.00	21.10
KAR25			200	-6.21	91.9	3.25	0.00	22.80
MAA01	6 952	6 953						
MAA01			20	24.56	63.9	0.00	5.60	7.60
MAA01			25	21.62	67.8	0.14	5.40	8.30
MAA01			32	20.65	73.3	0.21	5.20	9.20
MAA01			40	18.01	76.9	0.35	5.00	10.30
MAA01			50	17.07	82.0	0.49	4.70	11.50
MAA01			63	12.19	83.3	0.76	4.30	13.00
MAA01			80	8.54	86.1	1.11	3.70	14.80
MAA01			100	6.52	90.8	1.74	3.00	16.80
MAA01			125	-2.09	89.3	2.64	1.80	18.80
MAA01			160	-8.91	90.6	3.96	0.00	21.10
MAA01			200	-13.55	91.9	5.70	0.00	22.80
MAA03	6 834	6 835						
MAA03			20	24.71	63.9	0.00	5.60	7.60
MAA03			25	21.77	67.8	0.14	5.40	8.30
MAA03			32	20.80	73.3	0.21	5.20	9.20
MAA03			40	18.16	76.9	0.34	5.00	10.30
MAA03			50	17.23	82.0	0.48	4.70	11.50
MAA03			63	12.35	83.3	0.75	4.30	13.00
MAA03			80	8.71	86.1	1.09	3.70	14.80
MAA03			100	6.70	90.8	1.71	3.00	16.80
MAA03			125	-1.89	89.3	2.60	1.80	18.80
MAA03			160	-8.69	90.6	3.90	0.00	21.10
MAA03			200	-13.30	91.9	5.60	0.00	22.80
MAA04	5 664	5 666						
MAA04			20	26.33	63.9	0.00	5.60	7.60
MAA04			25	23.42	67.8	0.11	5.40	8.30
MAA04			32	22.46	73.3	0.17	5.20	9.20
MAA04			40	19.85	76.9	0.28	5.00	10.30
MAA04			50	18.94	82.0	0.40	4.70	11.50
MAA04			63	14.11	83.3	0.62	4.30	13.00
MAA04			80	10.53	86.1	0.91	3.70	14.80
MAA04			100	8.62	90.8	1.42	3.00	16.80
MAA04			125	0.18	89.3	2.15	1.80	18.80
MAA04			160	-6.40	90.6	3.23	0.00	21.10
MAA04			200	-10.71	91.9	4.65	0.00	22.80
MAA05	6 683	6 685						
MAA05			20	24.90	63.9	0.00	5.60	7.60
MAA05			25	21.96	67.8	0.13	5.40	8.30
MAA05			32	21.00	73.3	0.20	5.20	9.20
MAA05			40	18.36	76.9	0.33	5.00	10.30
MAA05			50	17.43	82.0	0.47	4.70	11.50
MAA05			63	12.56	83.3	0.74	4.30	13.00
MAA05			80	8.93	86.1	1.07	3.70	14.80
MAA05			100	6.93	90.8	1.67	3.00	16.80
MAA05			125	-1.64	89.3	2.54	1.80	18.80
MAA05			160	-8.41	90.6	3.81	0.00	21.10
MAA05			200	-12.98	91.9	5.48	0.00	22.80
MAA06	6 292	6 293						
MAA06			20	25.42	63.9	0.00	5.60	7.60
MAA06			25	22.50	67.8	0.13	5.40	8.30
MAA06			32	21.53	73.3	0.19	5.20	9.20
MAA06			40	18.91	76.9	0.31	5.00	10.30
MAA06			50	17.98	82.0	0.44	4.70	11.50
MAA06			63	13.13	83.3	0.69	4.30	13.00
MAA06			80	9.52	86.1	1.01	3.70	14.80
MAA06			100	7.55	90.8	1.57	3.00	16.80
MAA06			125	-0.97	89.3	2.39	1.80	18.80
MAA06			160	-7.66	90.6	3.59	0.00	21.10
MAA06			200	-12.14	91.9	5.16	0.00	22.80
MAA07	5 846	5 848						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
MAA07			20	26.06	63.9	0.00	5.60	7.60
MAA07			25	23.14	67.8	0.12	5.40	8.30
MAA07			32	22.18	73.3	0.18	5.20	9.20
MAA07			40	19.57	76.9	0.29	5.00	10.30
MAA07			50	18.65	82.0	0.41	4.70	11.50
MAA07			63	13.82	83.3	0.64	4.30	13.00
MAA07			80	10.22	86.1	0.94	3.70	14.80
MAA07			100	8.30	90.8	1.46	3.00	16.80
MAA07			125	-0.16	89.3	2.22	1.80	18.80
MAA07			160	-6.77	90.6	3.33	0.00	21.10
MAA07			200	-11.14	91.9	4.80	0.00	22.80
MAA08	5 485	5 486						
MAA08			20	26.61	63.9	0.00	5.60	7.60
MAA08			25	23.70	67.8	0.11	5.40	8.30
MAA08			32	22.75	73.3	0.16	5.20	9.20
MAA08			40	20.14	76.9	0.27	5.00	10.30
MAA08			50	19.23	82.0	0.38	4.70	11.50
MAA08			63	14.41	83.3	0.60	4.30	13.00
MAA08			80	10.84	86.1	0.88	3.70	14.80
MAA08			100	8.94	90.8	1.37	3.00	16.80
MAA08			125	0.53	89.3	2.08	1.80	18.80
MAA08			160	-6.01	90.6	3.13	0.00	21.10
MAA08			200	-10.28	91.9	4.50	0.00	22.80
RAH01	8 690	8 691						
RAH01			20	20.77	62.0	0.00	5.60	7.60
RAH01			25	19.09	67.2	0.17	5.40	8.30
RAH01			32	17.41	72.0	0.26	5.20	9.20
RAH01			40	15.91	76.8	0.43	5.00	10.30
RAH01			50	14.23	81.2	0.61	4.70	11.50
RAH01			63	11.79	85.0	0.96	4.30	13.00
RAH01			80	8.55	88.3	1.39	3.70	14.80
RAH01			100	4.45	91.1	2.17	3.00	16.80
RAH01			125	-0.68	93.3	3.30	1.80	18.80
RAH01			160	-7.46	95.0	4.95	0.00	21.10
RAH01			200	-12.71	96.1	7.13	0.00	22.80
RAH02	8 489	8 490						
RAH02			20	20.97	62.0	0.00	5.60	7.60
RAH02			25	19.30	67.2	0.17	5.40	8.30
RAH02			32	17.62	72.0	0.25	5.20	9.20
RAH02			40	16.12	76.8	0.42	5.00	10.30
RAH02			50	14.45	81.2	0.59	4.70	11.50
RAH02			63	12.01	85.0	0.93	4.30	13.00
RAH02			80	8.79	88.3	1.36	3.70	14.80
RAH02			100	4.70	91.1	2.12	3.00	16.80
RAH02			125	-0.40	93.3	3.23	1.80	18.80
RAH02			160	-7.14	95.0	4.84	0.00	21.10
RAH02			200	-12.34	96.1	6.96	0.00	22.80
RAH03	8 011	8 012						
RAH03			20	21.47	62.0	0.00	5.60	7.60
RAH03			25	19.81	67.2	0.16	5.40	8.30
RAH03			32	18.13	72.0	0.24	5.20	9.20
RAH03			40	16.65	76.8	0.40	5.00	10.30
RAH03			50	14.99	81.2	0.56	4.70	11.50
RAH03			63	12.57	85.0	0.88	4.30	13.00
RAH03			80	9.37	88.3	1.28	3.70	14.80
RAH03			100	5.32	91.1	2.00	3.00	16.80
RAH03			125	0.28	93.3	3.04	1.80	18.80
RAH03			160	-6.37	95.0	4.57	0.00	21.10
RAH03			200	-11.45	96.1	6.57	0.00	22.80
RAH04	8 245	8 246						
RAH04			20	21.22	62.0	0.00	5.60	7.60
RAH04			25	19.56	67.2	0.16	5.40	8.30
RAH04			32	17.88	72.0	0.25	5.20	9.20
RAH04			40	16.39	76.8	0.41	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH04			50	14.72	81.2	0.58	4.70	11.50
RAH04			63	12.29	85.0	0.91	4.30	13.00
RAH04			80	9.08	88.3	1.32	3.70	14.80
RAH04			100	5.01	91.1	2.06	3.00	16.80
RAH04			125	-0.06	93.3	3.13	1.80	18.80
RAH04			160	-6.75	95.0	4.70	0.00	21.10
RAH04			200	-11.89	96.1	6.76	0.00	22.80
RAH05	7 529	7 531						
RAH05			20	22.01	62.0	0.00	5.60	7.60
RAH05			25	20.36	67.2	0.15	5.40	8.30
RAH05			32	18.69	72.0	0.23	5.20	9.20
RAH05			40	17.21	76.8	0.38	5.00	10.30
RAH05			50	15.56	81.2	0.53	4.70	11.50
RAH05			63	13.16	85.0	0.83	4.30	13.00
RAH05			80	9.98	88.3	1.20	3.70	14.80
RAH05			100	5.98	91.1	1.88	3.00	16.80
RAH05			125	1.00	93.3	2.86	1.80	18.80
RAH05			160	-5.55	95.0	4.29	0.00	21.10
RAH05			200	-10.51	96.1	6.18	0.00	22.80
RAH06	7 407	7 408						
RAH06			20	22.15	62.0	0.00	5.60	7.60
RAH06			25	20.51	67.2	0.15	5.40	8.30
RAH06			32	18.83	72.0	0.22	5.20	9.20
RAH06			40	17.36	76.8	0.37	5.00	10.30
RAH06			50	15.71	81.2	0.52	4.70	11.50
RAH06			63	13.31	85.0	0.81	4.30	13.00
RAH06			80	10.14	88.3	1.19	3.70	14.80
RAH06			100	6.15	91.1	1.85	3.00	16.80
RAH06			125	1.19	93.3	2.82	1.80	18.80
RAH06			160	-5.34	95.0	4.22	0.00	21.10
RAH06			200	-10.27	96.1	6.07	0.00	22.80
RAH07	8 393	8 394						
RAH07			20	21.07	62.0	0.00	5.60	7.60
RAH07			25	19.40	67.2	0.17	5.40	8.30
RAH07			32	17.72	72.0	0.25	5.20	9.20
RAH07			40	16.22	76.8	0.42	5.00	10.30
RAH07			50	14.56	81.2	0.59	4.70	11.50
RAH07			63	12.12	85.0	0.92	4.30	13.00
RAH07			80	8.90	88.3	1.34	3.70	14.80
RAH07			100	4.82	91.1	2.10	3.00	16.80
RAH07			125	-0.27	93.3	3.19	1.80	18.80
RAH07			160	-6.99	95.0	4.78	0.00	21.10
RAH07			200	-12.16	96.1	6.88	0.00	22.80
RAH08	8 879	8 881						
RAH08			20	20.58	62.0	0.00	5.60	7.60
RAH08			25	18.90	67.2	0.18	5.40	8.30
RAH08			32	17.21	72.0	0.27	5.20	9.20
RAH08			40	15.71	76.8	0.44	5.00	10.30
RAH08			50	14.03	81.2	0.62	4.70	11.50
RAH08			63	11.58	85.0	0.98	4.30	13.00
RAH08			80	8.33	88.3	1.42	3.70	14.80
RAH08			100	4.21	91.1	2.22	3.00	16.80
RAH08			125	-0.94	93.3	3.37	1.80	18.80
RAH08			160	-7.76	95.0	5.06	0.00	21.10
RAH08			200	-13.05	96.1	7.28	0.00	22.80
RAH09	8 127	8 128						
RAH09			20	21.35	62.0	0.00	5.60	7.60
RAH09			25	19.69	67.2	0.16	5.40	8.30
RAH09			32	18.00	72.0	0.24	5.20	9.20
RAH09			40	16.52	76.8	0.41	5.00	10.30
RAH09			50	14.86	81.2	0.57	4.70	11.50
RAH09			63	12.43	85.0	0.89	4.30	13.00
RAH09			80	9.22	88.3	1.30	3.70	14.80
RAH09			100	5.17	91.1	2.03	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH09			125	0.11	93.3	3.09	1.80	18.80
RAH09			160	-6.56	95.0	4.63	0.00	21.10
RAH09			200	-11.66	96.1	6.67	0.00	22.80
RAH10	8 837	8 838						
RAH10			20	20.62	62.0	0.00	5.60	7.60
RAH10			25	18.94	67.2	0.18	5.40	8.30
RAH10			32	17.26	72.0	0.27	5.20	9.20
RAH10			40	15.75	76.8	0.44	5.00	10.30
RAH10			50	14.08	81.2	0.62	4.70	11.50
RAH10			63	11.62	85.0	0.97	4.30	13.00
RAH10			80	8.38	88.3	1.41	3.70	14.80
RAH10			100	4.26	91.1	2.21	3.00	16.80
RAH10			125	-0.89	93.3	3.36	1.80	18.80
RAH10			160	-7.69	95.0	5.04	0.00	21.10
RAH10			200	-12.98	96.1	7.25	0.00	22.80
RAH11	8 446	8 447						
RAH11			20	21.01	62.0	0.00	5.60	7.60
RAH11			25	19.35	67.2	0.17	5.40	8.30
RAH11			32	17.66	72.0	0.25	5.20	9.20
RAH11			40	16.17	76.8	0.42	5.00	10.30
RAH11			50	14.50	81.2	0.59	4.70	11.50
RAH11			63	12.06	85.0	0.93	4.30	13.00
RAH11			80	8.84	88.3	1.35	3.70	14.80
RAH11			100	4.75	91.1	2.11	3.00	16.80
RAH11			125	-0.34	93.3	3.21	1.80	18.80
RAH11			160	-7.07	95.0	4.81	0.00	21.10
RAH11			200	-12.26	96.1	6.93	0.00	22.80
RAH12	9 171	9 172						
RAH12			20	20.30	62.0	0.00	5.60	7.60
RAH12			25	18.62	67.2	0.18	5.40	8.30
RAH12			32	16.92	72.0	0.28	5.20	9.20
RAH12			40	15.42	76.8	0.46	5.00	10.30
RAH12			50	13.73	81.2	0.64	4.70	11.50
RAH12			63	11.27	85.0	1.01	4.30	13.00
RAH12			80	8.01	88.3	1.47	3.70	14.80
RAH12			100	3.86	91.1	2.29	3.00	16.80
RAH12			125	-1.33	93.3	3.49	1.80	18.80
RAH12			160	-8.20	95.0	5.23	0.00	21.10
RAH12			200	-13.57	96.1	7.52	0.00	22.80
RAH13	9 031	9 032						
RAH13			20	20.43	62.0	0.00	5.60	7.60
RAH13			25	18.75	67.2	0.18	5.40	8.30
RAH13			32	17.06	72.0	0.27	5.20	9.20
RAH13			40	15.56	76.8	0.45	5.00	10.30
RAH13			50	13.88	81.2	0.63	4.70	11.50
RAH13			63	11.42	85.0	0.99	4.30	13.00
RAH13			80	8.16	88.3	1.45	3.70	14.80
RAH13			100	4.03	91.1	2.26	3.00	16.80
RAH13			125	-1.15	93.3	3.43	1.80	18.80
RAH13			160	-7.99	95.0	5.15	0.00	21.10
RAH13			200	-13.32	96.1	7.41	0.00	22.80
RAH14	8 375	8 377						
RAH14			20	21.09	62.0	0.00	5.60	7.60
RAH14			25	19.42	67.2	0.17	5.40	8.30
RAH14			32	17.74	72.0	0.25	5.20	9.20
RAH14			40	16.24	76.8	0.42	5.00	10.30
RAH14			50	14.58	81.2	0.59	4.70	11.50
RAH14			63	12.14	85.0	0.92	4.30	13.00
RAH14			80	8.92	88.3	1.34	3.70	14.80
RAH14			100	4.84	91.1	2.09	3.00	16.80
RAH14			125	-0.24	93.3	3.18	1.80	18.80
RAH14			160	-6.96	95.0	4.77	0.00	21.10
RAH14			200	-12.13	96.1	6.87	0.00	22.80
RAH15	9 019	9 020						

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
RAH15			20	20.44	62.0	0.00	5.60	7.60
RAH15			25	18.76	67.2	0.18	5.40	8.30
RAH15			32	17.07	72.0	0.27	5.20	9.20
RAH15			40	15.57	76.8	0.45	5.00	10.30
RAH15			50	13.89	81.2	0.63	4.70	11.50
RAH15			63	11.43	85.0	0.99	4.30	13.00
RAH15			80	8.18	88.3	1.44	3.70	14.80
RAH15			100	4.04	91.1	2.25	3.00	16.80
RAH15			125	-1.13	93.3	3.43	1.80	18.80
RAH15			160	-7.97	95.0	5.14	0.00	21.10
RAH15			200	-13.30	96.1	7.40	0.00	22.80
RAH16	9 770	9 771						
RAH16			20	19.75	62.0	0.00	5.60	7.60
RAH16			25	18.05	67.2	0.20	5.40	8.30
RAH16			32	16.36	72.0	0.29	5.20	9.20
RAH16			40	14.84	76.8	0.49	5.00	10.30
RAH16			50	13.14	81.2	0.68	4.70	11.50
RAH16			63	10.65	85.0	1.07	4.30	13.00
RAH16			80	7.36	88.3	1.56	3.70	14.80
RAH16			100	3.16	91.1	2.44	3.00	16.80
RAH16			125	-2.11	93.3	3.71	1.80	18.80
RAH16			160	-9.09	95.0	5.57	0.00	21.10
RAH16			200	-14.61	96.1	8.01	0.00	22.80
RAH17	7 773	7 775						
RAH17			20	21.73	62.0	0.00	5.60	7.60
RAH17			25	20.08	67.2	0.16	5.40	8.30
RAH17			32	18.40	72.0	0.23	5.20	9.20
RAH17			40	16.92	76.8	0.39	5.00	10.30
RAH17			50	15.27	81.2	0.54	4.70	11.50
RAH17			63	12.85	85.0	0.86	4.30	13.00
RAH17			80	9.67	88.3	1.24	3.70	14.80
RAH17			100	5.64	91.1	1.94	3.00	16.80
RAH17			125	0.63	93.3	2.95	1.80	18.80
RAH17			160	-5.97	95.0	4.43	0.00	21.10
RAH17			200	-10.99	96.1	6.38	0.00	22.80
RAH18	8 466	8 468						
RAH18			20	20.99	62.0	0.00	5.60	7.60
RAH18			25	19.32	67.2	0.17	5.40	8.30
RAH18			32	17.64	72.0	0.25	5.20	9.20
RAH18			40	16.15	76.8	0.42	5.00	10.30
RAH18			50	14.48	81.2	0.59	4.70	11.50
RAH18			63	12.04	85.0	0.93	4.30	13.00
RAH18			80	8.81	88.3	1.35	3.70	14.80
RAH18			100	4.73	91.1	2.12	3.00	16.80
RAH18			125	-0.37	93.3	3.22	1.80	18.80
RAH18			160	-7.11	95.0	4.83	0.00	21.10
RAH18			200	-12.30	96.1	6.94	0.00	22.80
RAH19	8 034	8 035						
RAH19			20	21.45	62.0	0.00	5.60	7.60
RAH19			25	19.79	67.2	0.16	5.40	8.30
RAH19			32	18.11	72.0	0.24	5.20	9.20
RAH19			40	16.62	76.8	0.40	5.00	10.30
RAH19			50	14.96	81.2	0.56	4.70	11.50
RAH19			63	12.54	85.0	0.88	4.30	13.00
RAH19			80	9.34	88.3	1.29	3.70	14.80
RAH19			100	5.29	91.1	2.01	3.00	16.80
RAH19			125	0.25	93.3	3.05	1.80	18.80
RAH19			160	-6.40	95.0	4.58	0.00	21.10
RAH19			200	-11.49	96.1	6.59	0.00	22.80
SIL01	13 576	13 577						
SIL01			20	18.17	63.3	0.00	5.60	7.60
SIL01			25	16.29	68.4	0.27	5.40	8.30
SIL01			32	10.27	68.9	0.41	5.20	9.20
SIL01			40	7.09	72.1	0.68	5.00	10.30

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL01			50	5.62	76.8	0.95	4.70	11.50
SIL01			63	2.16	79.8	1.49	4.30	13.00
SIL01			80	-1.82	82.6	2.17	3.70	14.80
SIL01			100	-5.72	86.0	3.39	3.00	16.80
SIL01			125	-10.43	89.3	5.16	1.80	18.80
SIL01			160	-20.91	88.2	7.74	0.00	21.10
SIL01			200	-26.70	90.0	11.13	0.00	22.80
SIL02	12 880	12 881						
SIL02			20	18.62	63.3	0.00	5.60	7.60
SIL02			25	16.76	68.4	0.26	5.40	8.30
SIL02			32	10.74	68.9	0.39	5.20	9.20
SIL02			40	7.58	72.1	0.64	5.00	10.30
SIL02			50	6.12	76.8	0.90	4.70	11.50
SIL02			63	2.69	79.8	1.42	4.30	13.00
SIL02			80	-1.25	82.6	2.06	3.70	14.80
SIL02			100	-5.09	86.0	3.22	3.00	16.80
SIL02			125	-9.71	89.3	4.89	1.80	18.80
SIL02			160	-20.06	88.2	7.34	0.00	21.10
SIL02			200	-25.67	90.0	10.56	0.00	22.80
SIL03	12 110	12 111						
SIL03			20	19.16	63.3	0.00	5.60	7.60
SIL03			25	17.31	68.4	0.24	5.40	8.30
SIL03			32	11.30	68.9	0.36	5.20	9.20
SIL03			40	8.15	72.1	0.61	5.00	10.30
SIL03			50	6.71	76.8	0.85	4.70	11.50
SIL03			63	3.31	79.8	1.33	4.30	13.00
SIL03			80	-0.59	82.6	1.94	3.70	14.80
SIL03			100	-4.36	86.0	3.03	3.00	16.80
SIL03			125	-8.88	89.3	4.60	1.80	18.80
SIL03			160	-19.08	88.2	6.90	0.00	21.10
SIL03			200	-24.51	90.0	9.93	0.00	22.80
SIL04	12 341	12 341						
SIL04			20	19.00	63.3	0.00	5.60	7.60
SIL04			25	17.14	68.4	0.25	5.40	8.30
SIL04			32	11.13	68.9	0.37	5.20	9.20
SIL04			40	7.98	72.1	0.62	5.00	10.30
SIL04			50	6.53	76.8	0.86	4.70	11.50
SIL04			63	3.12	79.8	1.36	4.30	13.00
SIL04			80	-0.79	82.6	1.97	3.70	14.80
SIL04			100	-4.58	86.0	3.09	3.00	16.80
SIL04			125	-9.13	89.3	4.69	1.80	18.80
SIL04			160	-19.38	88.2	7.03	0.00	21.10
SIL04			200	-24.86	90.0	10.12	0.00	22.80
SIL05	13 514	13 515						
SIL05			20	18.21	63.3	0.00	5.60	7.60
SIL05			25	16.33	68.4	0.27	5.40	8.30
SIL05			32	10.31	68.9	0.41	5.20	9.20
SIL05			40	7.13	72.1	0.68	5.00	10.30
SIL05			50	5.66	76.8	0.95	4.70	11.50
SIL05			63	2.20	79.8	1.49	4.30	13.00
SIL05			80	-1.77	82.6	2.16	3.70	14.80
SIL05			100	-5.67	86.0	3.38	3.00	16.80
SIL05			125	-10.36	89.3	5.14	1.80	18.80
SIL05			160	-20.84	88.2	7.70	0.00	21.10
SIL05			200	-26.61	90.0	11.08	0.00	22.80
SIL06	12 994	12 995						
SIL06			20	18.55	63.3	0.00	5.60	7.60
SIL06			25	16.68	68.4	0.26	5.40	8.30
SIL06			32	10.66	68.9	0.39	5.20	9.20
SIL06			40	7.50	72.1	0.65	5.00	10.30
SIL06			50	6.04	76.8	0.91	4.70	11.50
SIL06			63	2.60	79.8	1.43	4.30	13.00
SIL06			80	-1.34	82.6	2.08	3.70	14.80
SIL06			100	-5.19	86.0	3.25	3.00	16.80

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DECIBEL - Detailed results

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

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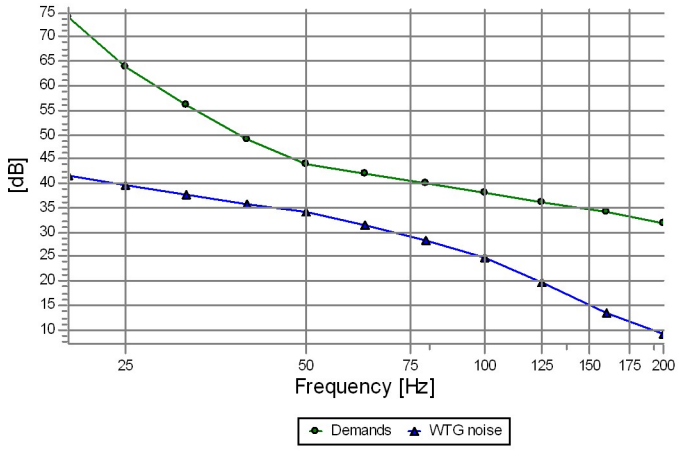
WTG No.	Distance [m]	Sound distance [m]	Frequency [Hz]	Calculated [dB]	LwA,ref [dB(A)]	Aatm [dB]	Agr [dB]	Lsigma [dB]
SIL06			125	-9.83	89.3	4.94	1.80	18.80
SIL06			160	-20.20	88.2	7.41	0.00	21.10
SIL06			200	-25.84	90.0	10.66	0.00	22.80
SIL07	12 518	12 518						
SIL07			20	18.87	63.3	0.00	5.60	7.60
SIL07			25	17.02	68.4	0.25	5.40	8.30
SIL07			32	11.00	68.9	0.38	5.20	9.20
SIL07			40	7.85	72.1	0.63	5.00	10.30
SIL07			50	6.40	76.8	0.88	4.70	11.50
SIL07			63	2.98	79.8	1.38	4.30	13.00
SIL07			80	-0.94	82.6	2.00	3.70	14.80
SIL07			100	-4.75	86.0	3.13	3.00	16.80
SIL07			125	-9.32	89.3	4.76	1.80	18.80
SIL07			160	-19.60	88.2	7.14	0.00	21.10
SIL07			200	-25.13	90.0	10.27	0.00	22.80
SIL08	13 027	13 028						
SIL08			20	18.53	63.3	0.00	5.60	7.60
SIL08			25	16.66	68.4	0.26	5.40	8.30
SIL08			32	10.64	68.9	0.39	5.20	9.20
SIL08			40	7.47	72.1	0.65	5.00	10.30
SIL08			50	6.01	76.8	0.91	4.70	11.50
SIL08			63	2.58	79.8	1.43	4.30	13.00
SIL08			80	-1.37	82.6	2.08	3.70	14.80
SIL08			100	-5.23	86.0	3.26	3.00	16.80
SIL08			125	-9.86	89.3	4.95	1.80	18.80
SIL08			160	-20.24	88.2	7.43	0.00	21.10
SIL08			200	-25.89	90.0	10.68	0.00	22.80
Sum								
Sum			20	45.41				
Sum			25	42.65				
Sum			32	41.59				
Sum			40	39.11				
Sum			50	38.17				
Sum			63	33.68				
Sum			80	30.24				
Sum			100	28.25				
Sum			125	20.49				
Sum			160	14.25				
Sum			200	10.34				

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

A Noise sensitive point: Finnish normal frequency - User defined (23)

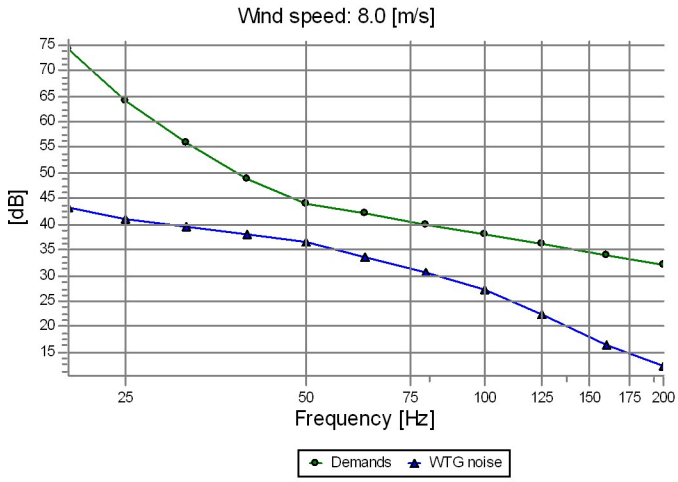
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	41.7	Yes
25.0	64.0	39.7	Yes
31.5	56.0	37.6	Yes
40.0	49.0	35.7	Yes
50.0	44.0	34.3	Yes
63.0	42.0	31.4	Yes
80.0	40.0	28.2	Yes
100.0	38.0	24.8	Yes
125.0	36.0	19.7	Yes
160.0	34.0	13.4	Yes
200.0	32.0	9.2	Yes

B Noise sensitive point: Finnish normal frequency - User defined (2)

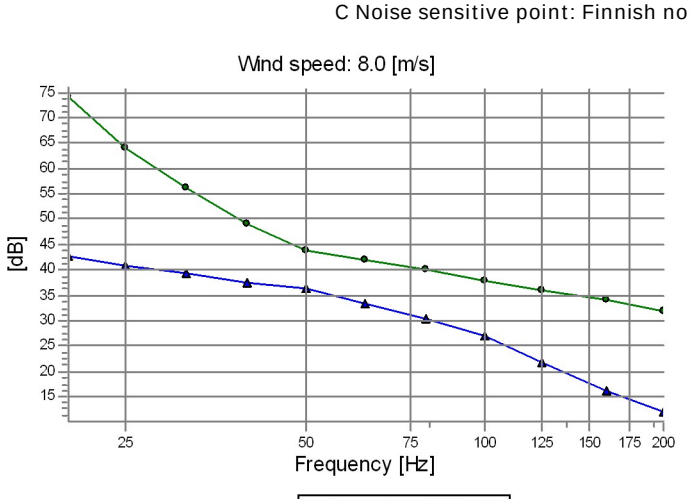
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	43.1	Yes
25.0	64.0	41.1	Yes
31.5	56.0	39.6	Yes
40.0	49.0	37.8	Yes
50.0	44.0	36.4	Yes
63.0	42.0	33.6	Yes
80.0	40.0	30.5	Yes
100.0	38.0	27.2	Yes
125.0	36.0	22.2	Yes
160.0	34.0	16.4	Yes
200.0	32.0	12.5	Yes

C Noise sensitive point: Finnish normal frequency - User defined (5)

Wind speed: 8.0 [m/s]

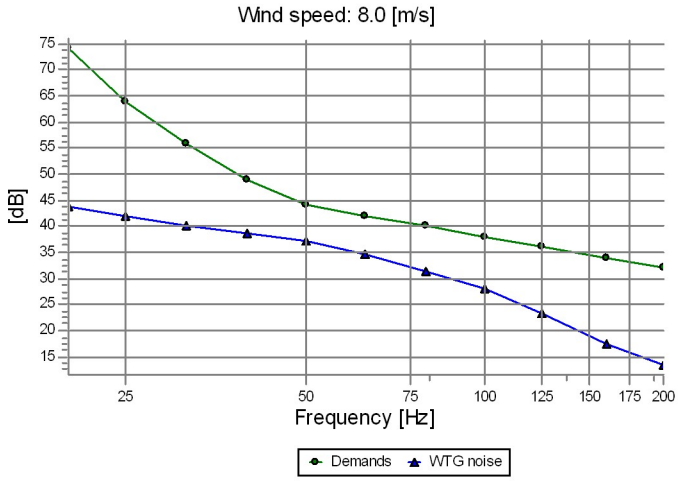


Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	42.9	Yes
25.0	64.0	40.9	Yes
31.5	56.0	39.3	Yes
40.0	49.0	37.6	Yes
50.0	44.0	36.2	Yes
63.0	42.0	33.3	Yes
80.0	40.0	30.2	Yes
100.0	38.0	26.9	Yes
125.0	36.0	21.9	Yes
160.0	34.0	16.0	Yes
200.0	32.0	12.1	Yes

DECIBEL - Detailed results, graphic

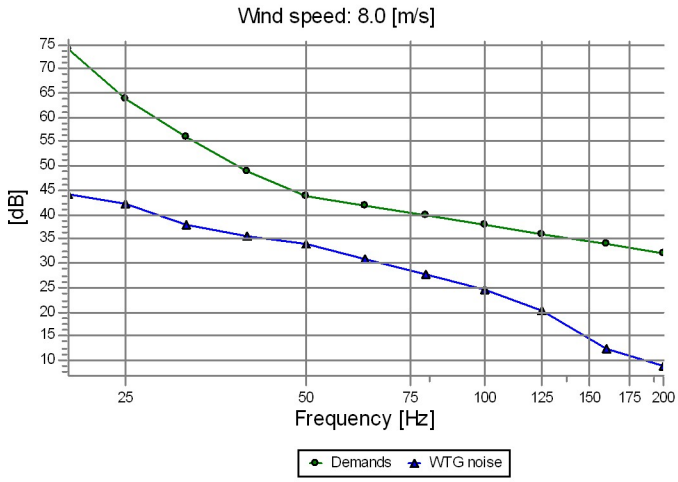
Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

D Noise sensitive point: Finnish normal frequency - User defined (24)



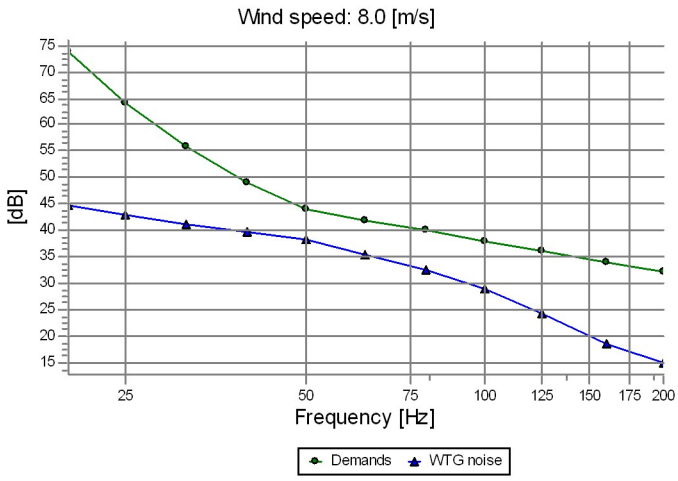
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	43.9	Yes
25.0	64.0	42.0	Yes
31.5	56.0	40.3	Yes
40.0	49.0	38.6	Yes
50.0	44.0	37.1	Yes
63.0	42.0	34.5	Yes
80.0	40.0	31.4	Yes
100.0	38.0	28.0	Yes
125.0	36.0	23.2	Yes
160.0	34.0	17.4	Yes
200.0	32.0	13.6	Yes

E Noise sensitive point: Finnish normal frequency - User defined (35)



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	44.2	Yes
25.0	64.0	42.4	Yes
31.5	56.0	38.0	Yes
40.0	49.0	35.4	Yes
50.0	44.0	34.1	Yes
63.0	42.0	31.0	Yes
80.0	40.0	27.6	Yes
100.0	38.0	24.4	Yes
125.0	36.0	20.2	Yes
160.0	34.0	12.5	Yes
200.0	32.0	8.9	Yes

F Noise sensitive point: Finnish normal frequency - User defined (1)

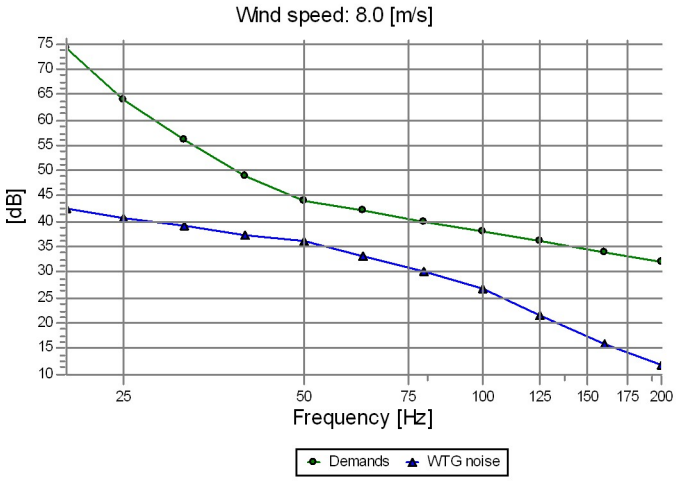


Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	44.7	Yes
25.0	64.0	42.8	Yes
31.5	56.0	41.2	Yes
40.0	49.0	39.5	Yes
50.0	44.0	38.1	Yes
63.0	42.0	35.4	Yes
80.0	40.0	32.4	Yes
100.0	38.0	29.0	Yes
125.0	36.0	24.2	Yes
160.0	34.0	18.5	Yes
200.0	32.0	14.7	Yes

DECIBEL - Detailed results, graphic

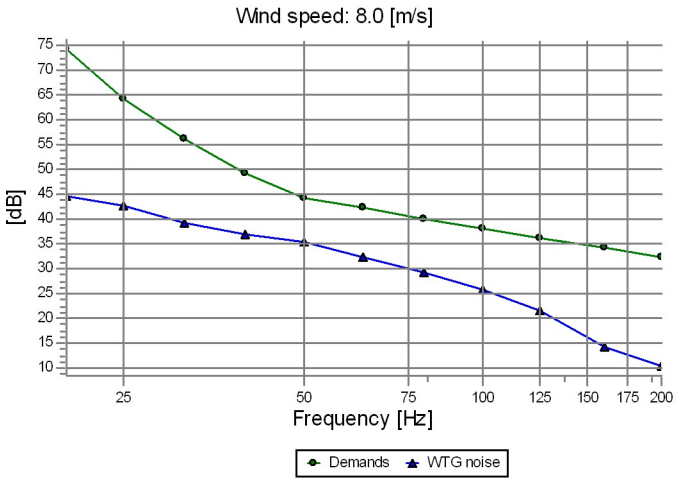
Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

G Noise sensitive point: Finnish normal frequency - User defined (4)



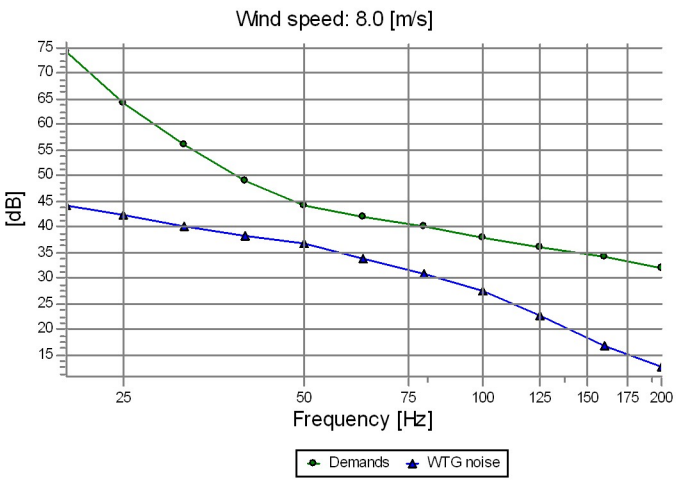
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	42.7	Yes
25.0	64.0	40.7	Yes
31.5	56.0	39.2	Yes
40.0	49.0	37.4	Yes
50.0	44.0	36.0	Yes
63.0	42.0	33.1	Yes
80.0	40.0	30.0	Yes
100.0	38.0	26.7	Yes
125.0	36.0	21.6	Yes
160.0	34.0	15.8	Yes
200.0	32.0	11.9	Yes

H Noise sensitive point: Finnish normal frequency - User defined (22)



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	44.5	Yes
25.0	64.0	42.7	Yes
31.5	56.0	38.9	Yes
40.0	49.0	36.7	Yes
50.0	44.0	35.3	Yes
63.0	42.0	32.2	Yes
80.0	40.0	29.0	Yes
100.0	38.0	25.7	Yes
125.0	36.0	21.2	Yes
160.0	34.0	14.1	Yes
200.0	32.0	10.3	Yes

I Noise sensitive point: Finnish normal frequency - User defined (20)



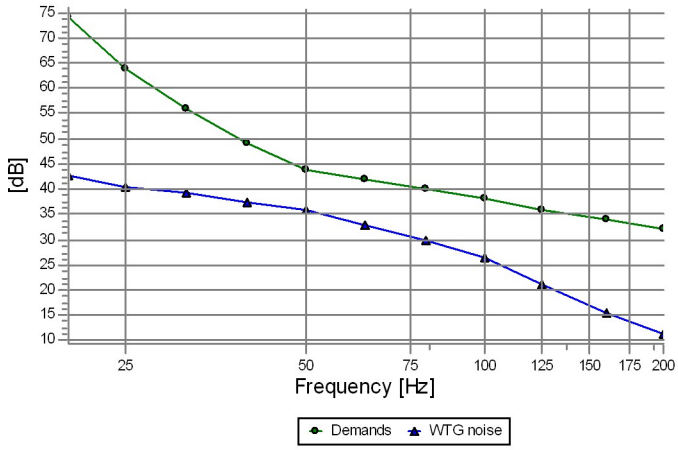
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	44.2	Yes
25.0	64.0	42.3	Yes
31.5	56.0	40.0	Yes
40.0	49.0	38.2	Yes
50.0	44.0	36.8	Yes
63.0	42.0	33.9	Yes
80.0	40.0	30.8	Yes
100.0	38.0	27.5	Yes
125.0	36.0	22.7	Yes
160.0	34.0	16.7	Yes
200.0	32.0	12.8	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

J Noise sensitive point: Finnish normal frequency - User defined (3)

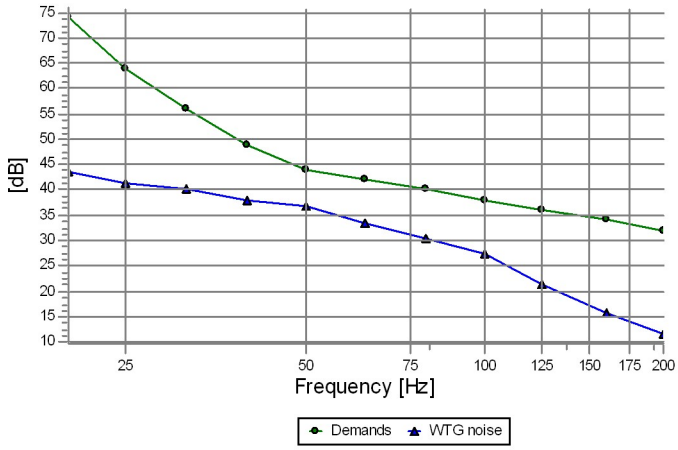
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	42.7	Yes
25.0	64.0	40.6	Yes
31.5	56.0	39.1	Yes
40.0	49.0	37.3	Yes
50.0	44.0	35.9	Yes
63.0	42.0	32.9	Yes
80.0	40.0	29.7	Yes
100.0	38.0	26.5	Yes
125.0	36.0	21.2	Yes
160.0	34.0	15.3	Yes
200.0	32.0	11.4	Yes

K Noise sensitive point: Finnish normal frequency - User defined (13)

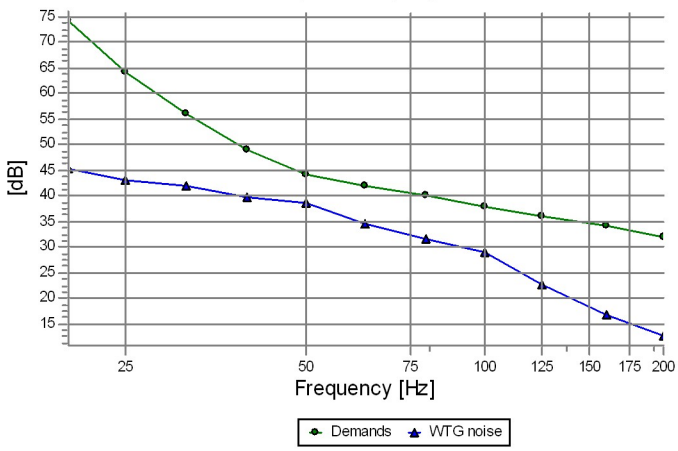
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	43.7	Yes
25.0	64.0	41.4	Yes
31.5	56.0	40.1	Yes
40.0	49.0	38.0	Yes
50.0	44.0	36.8	Yes
63.0	42.0	33.4	Yes
80.0	40.0	30.2	Yes
100.0	38.0	27.3	Yes
125.0	36.0	21.5	Yes
160.0	34.0	15.5	Yes
200.0	32.0	11.6	Yes

L Noise sensitive point: Finnish normal frequency - User defined (12)

Wind speed: 8.0 [m/s]



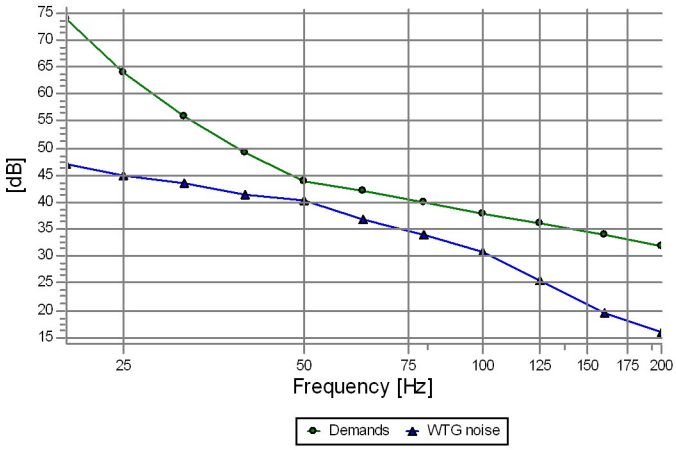
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	45.4	Yes
25.0	64.0	43.0	Yes
31.5	56.0	41.8	Yes
40.0	49.0	39.6	Yes
50.0	44.0	38.5	Yes
63.0	42.0	34.7	Yes
80.0	40.0	31.4	Yes
100.0	38.0	28.9	Yes
125.0	36.0	22.5	Yes
160.0	34.0	16.6	Yes
200.0	32.0	12.8	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

M Noise sensitive point: Finnish normal frequency - User defined (42)

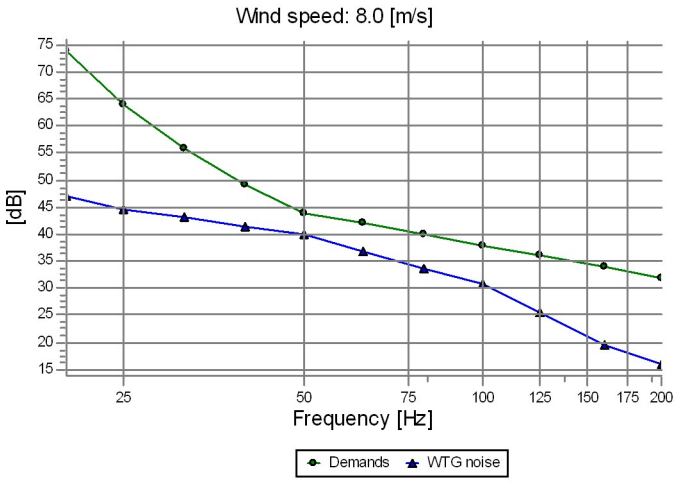
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	47.0	Yes
25.0	64.0	44.8	Yes
31.5	56.0	43.4	Yes
40.0	49.0	41.4	Yes
50.0	44.0	40.2	Yes
63.0	42.0	36.9	Yes
80.0	40.0	33.8	Yes
100.0	38.0	30.9	Yes
125.0	36.0	25.4	Yes
160.0	34.0	19.6	Yes
200.0	32.0	15.9	Yes

N Noise sensitive point: Finnish normal frequency - User defined (40)

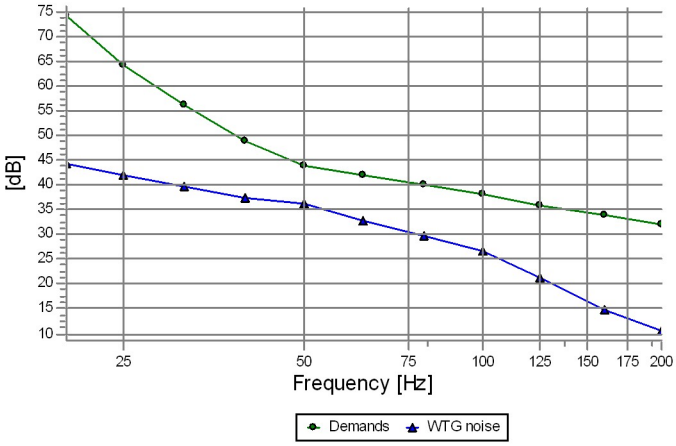
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.9	Yes
25.0	64.0	44.7	Yes
31.5	56.0	43.3	Yes
40.0	49.0	41.4	Yes
50.0	44.0	40.1	Yes
63.0	42.0	36.9	Yes
80.0	40.0	33.8	Yes
100.0	38.0	30.8	Yes
125.0	36.0	25.3	Yes
160.0	34.0	19.6	Yes
200.0	32.0	15.8	Yes

O Noise sensitive point: Finnish normal frequency - User defined (34)

Wind speed: 8.0 [m/s]

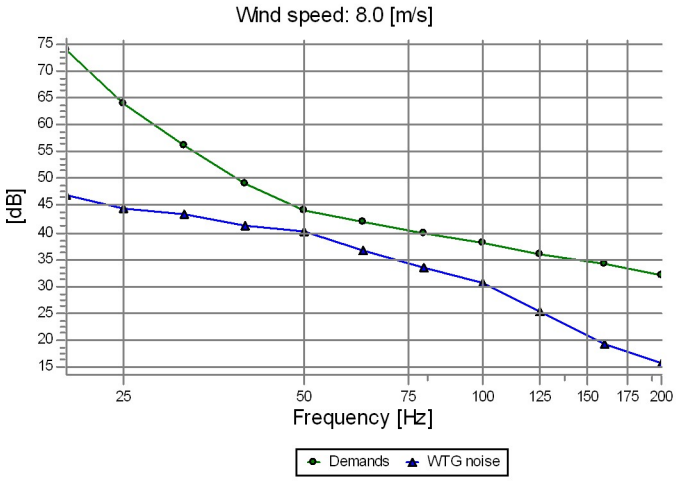


Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	44.1	Yes
25.0	64.0	42.0	Yes
31.5	56.0	39.6	Yes
40.0	49.0	37.4	Yes
50.0	44.0	36.1	Yes
63.0	42.0	32.8	Yes
80.0	40.0	29.6	Yes
100.0	38.0	26.5	Yes
125.0	36.0	21.1	Yes
160.0	34.0	14.7	Yes
200.0	32.0	10.7	Yes

DECIBEL - Detailed results, graphic

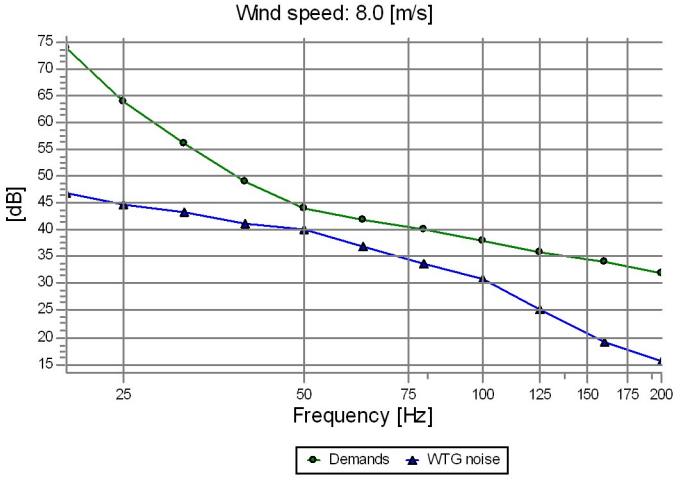
Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

P Noise sensitive point: Finnish normal frequency - User defined (41)



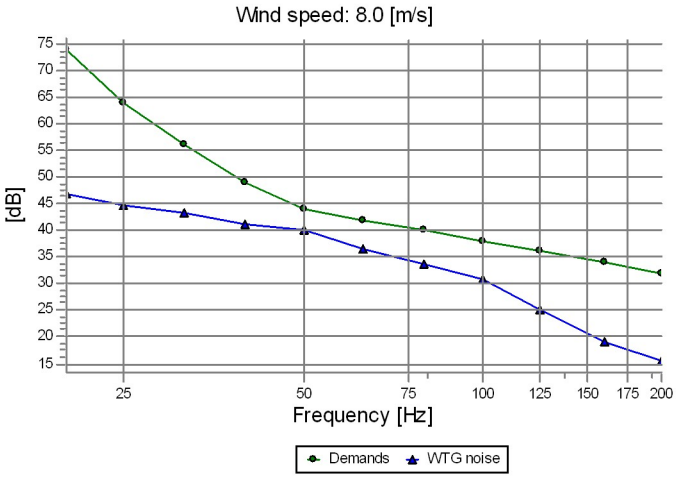
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.8	Yes
25.0	64.0	44.6	Yes
31.5	56.0	43.2	Yes
40.0	49.0	41.2	Yes
50.0	44.0	40.0	Yes
63.0	42.0	36.7	Yes
80.0	40.0	33.6	Yes
100.0	38.0	30.7	Yes
125.0	36.0	25.1	Yes
160.0	34.0	19.3	Yes
200.0	32.0	15.6	Yes

Q Noise sensitive point: Finnish normal frequency - User defined (44)



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	47.0	Yes
25.0	64.0	44.7	Yes
31.5	56.0	43.4	Yes
40.0	49.0	41.3	Yes
50.0	44.0	40.1	Yes
63.0	42.0	36.7	Yes
80.0	40.0	33.6	Yes
100.0	38.0	30.8	Yes
125.0	36.0	25.0	Yes
160.0	34.0	19.2	Yes
200.0	32.0	15.4	Yes

R Noise sensitive point: Finnish normal frequency - User defined (43)



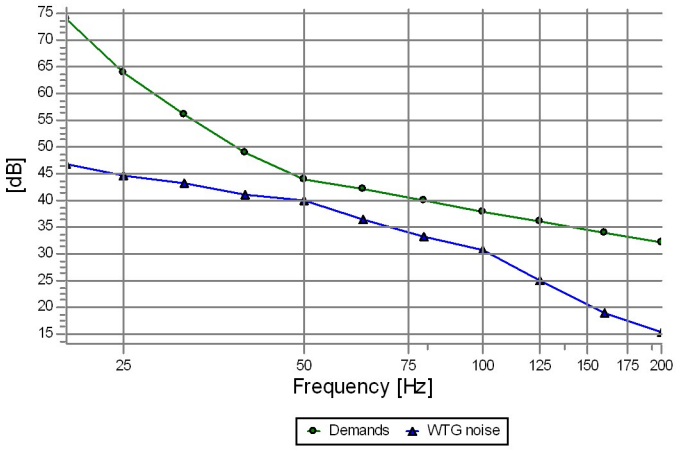
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	47.0	Yes
25.0	64.0	44.7	Yes
31.5	56.0	43.3	Yes
40.0	49.0	41.3	Yes
50.0	44.0	40.1	Yes
63.0	42.0	36.7	Yes
80.0	40.0	33.6	Yes
100.0	38.0	30.8	Yes
125.0	36.0	25.0	Yes
160.0	34.0	19.2	Yes
200.0	32.0	15.4	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

S Noise sensitive point: Finnish normal frequency - User defined (49)

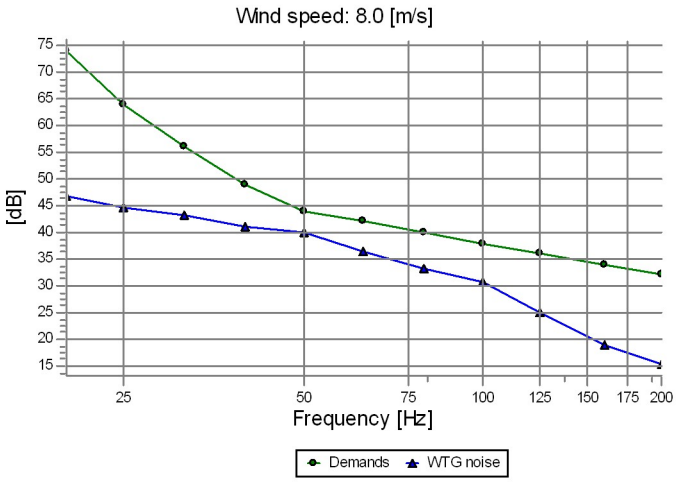
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.8	Yes
25.0	64.0	44.5	Yes
31.5	56.0	43.1	Yes
40.0	49.0	41.1	Yes
50.0	44.0	39.9	Yes
63.0	42.0	36.5	Yes
80.0	40.0	33.4	Yes
100.0	38.0	30.6	Yes
125.0	36.0	24.9	Yes
160.0	34.0	19.0	Yes
200.0	32.0	15.3	Yes

T Noise sensitive point: Finnish normal frequency - User defined (36)

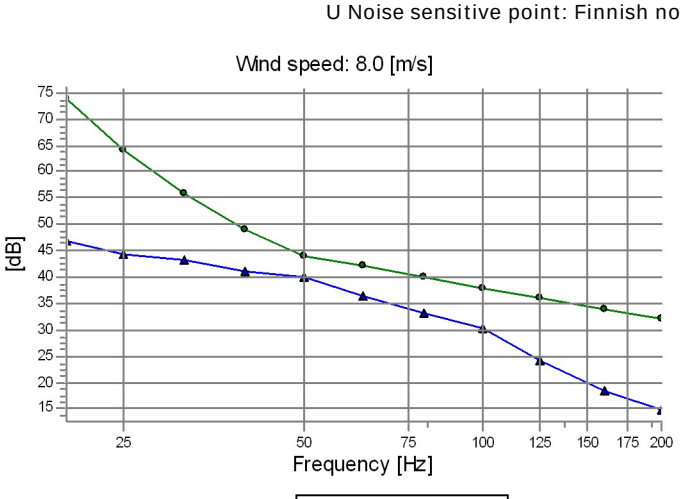
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.8	Yes
25.0	64.0	44.5	Yes
31.5	56.0	43.1	Yes
40.0	49.0	41.1	Yes
50.0	44.0	39.9	Yes
63.0	42.0	36.5	Yes
80.0	40.0	33.4	Yes
100.0	38.0	30.6	Yes
125.0	36.0	24.9	Yes
160.0	34.0	19.0	Yes
200.0	32.0	15.3	Yes

U Noise sensitive point: Finnish normal frequency - User defined (50)

Wind speed: 8.0 [m/s]



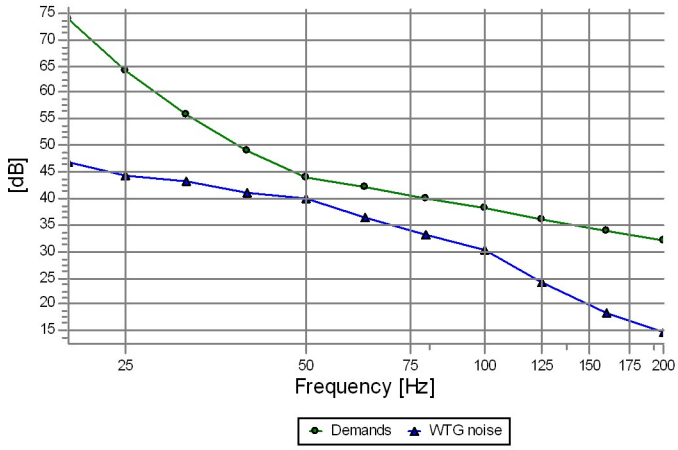
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.8	Yes
25.0	64.0	44.4	Yes
31.5	56.0	43.1	Yes
40.0	49.0	41.0	Yes
50.0	44.0	39.9	Yes
63.0	42.0	36.3	Yes
80.0	40.0	33.1	Yes
100.0	38.0	30.4	Yes
125.0	36.0	24.3	Yes
160.0	34.0	18.4	Yes
200.0	32.0	14.6	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

V Noise sensitive point: Finnish normal frequency - User defined (38)

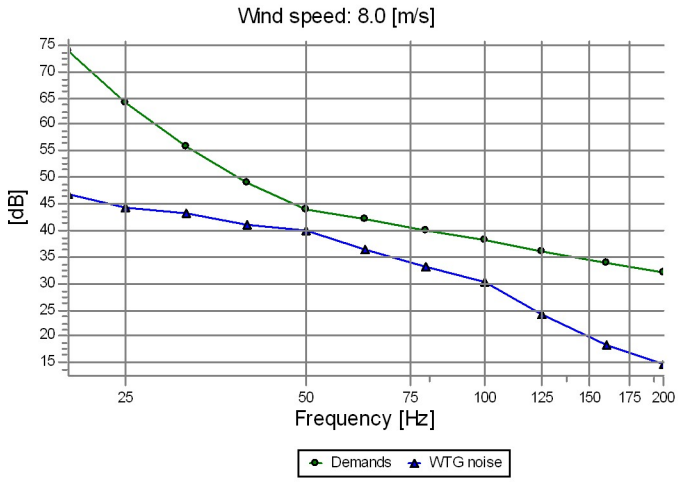
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.8	Yes
25.0	64.0	44.4	Yes
31.5	56.0	43.1	Yes
40.0	49.0	41.0	Yes
50.0	44.0	39.9	Yes
63.0	42.0	36.2	Yes
80.0	40.0	33.0	Yes
100.0	38.0	30.4	Yes
125.0	36.0	24.3	Yes
160.0	34.0	18.4	Yes
200.0	32.0	14.6	Yes

W Noise sensitive point: Finnish normal frequency - User defined (6)

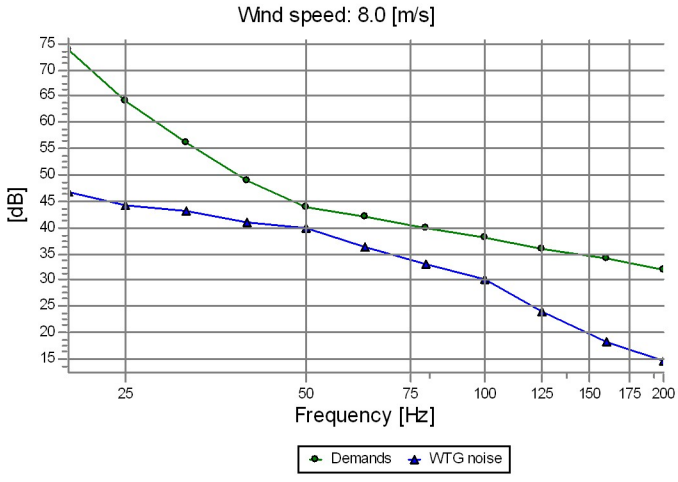
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.8	Yes
25.0	64.0	44.4	Yes
31.5	56.0	43.1	Yes
40.0	49.0	41.0	Yes
50.0	44.0	39.9	Yes
63.0	42.0	36.2	Yes
80.0	40.0	33.0	Yes
100.0	38.0	30.4	Yes
125.0	36.0	24.3	Yes
160.0	34.0	18.4	Yes
200.0	32.0	14.6	Yes

X Noise sensitive point: Finnish normal frequency - User defined (51)

Wind speed: 8.0 [m/s]



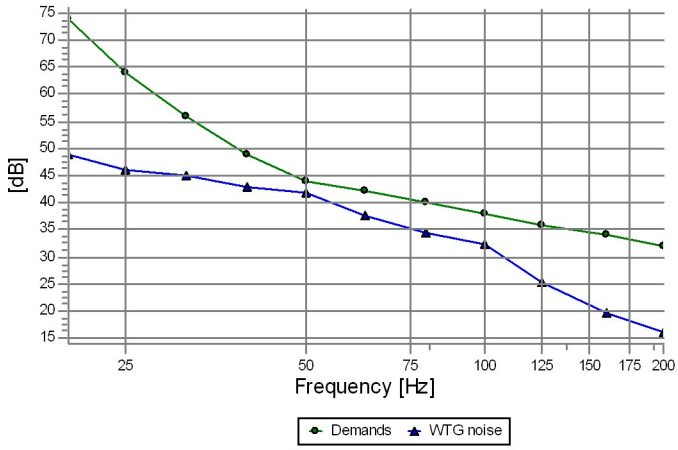
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.7	Yes
25.0	64.0	44.3	Yes
31.5	56.0	43.1	Yes
40.0	49.0	40.9	Yes
50.0	44.0	39.8	Yes
63.0	42.0	36.2	Yes
80.0	40.0	33.0	Yes
100.0	38.0	30.3	Yes
125.0	36.0	24.2	Yes
160.0	34.0	18.3	Yes
200.0	32.0	14.5	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

Y Noise sensitive point: Finnish normal frequency - User defined (10)

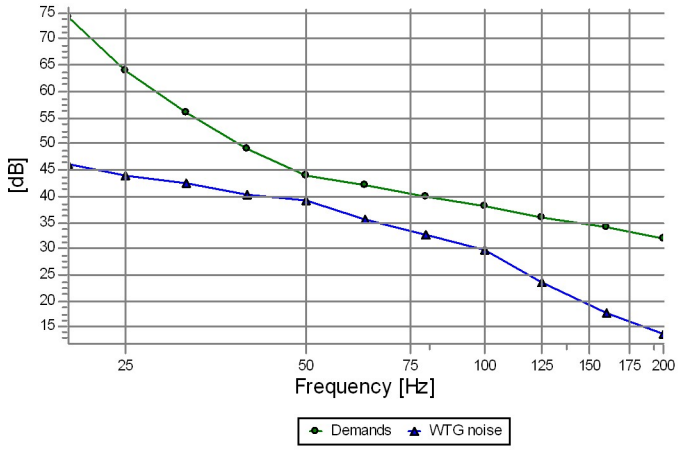
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	48.7	Yes
25.0	64.0	46.1	Yes
31.5	56.0	45.1	Yes
40.0	49.0	42.7	Yes
50.0	44.0	41.7	Yes
63.0	42.0	37.6	Yes
80.0	40.0	34.4	Yes
100.0	38.0	32.3	Yes
125.0	36.0	25.3	Yes
160.0	34.0	19.5	Yes
200.0	32.0	16.0	Yes

Z Noise sensitive point: Finnish normal frequency - User defined (37)

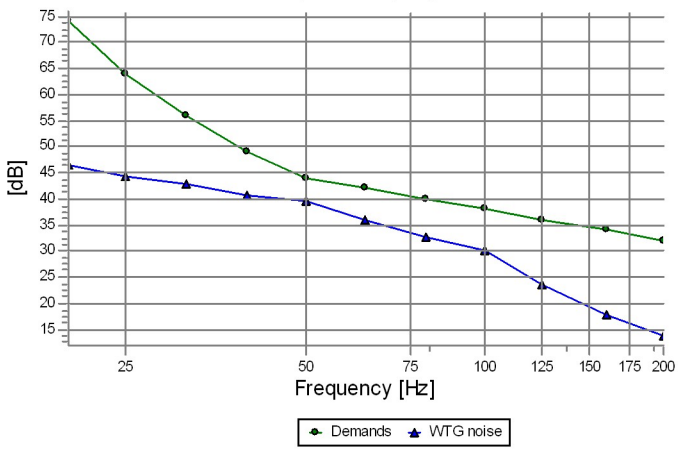
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.3	Yes
25.0	64.0	43.9	Yes
31.5	56.0	42.6	Yes
40.0	49.0	40.5	Yes
50.0	44.0	39.3	Yes
63.0	42.0	35.7	Yes
80.0	40.0	32.5	Yes
100.0	38.0	29.8	Yes
125.0	36.0	23.7	Yes
160.0	34.0	17.8	Yes
200.0	32.0	13.9	Yes

AA Noise sensitive point: Finnish normal frequency - User defined (48)

Wind speed: 8.0 [m/s]



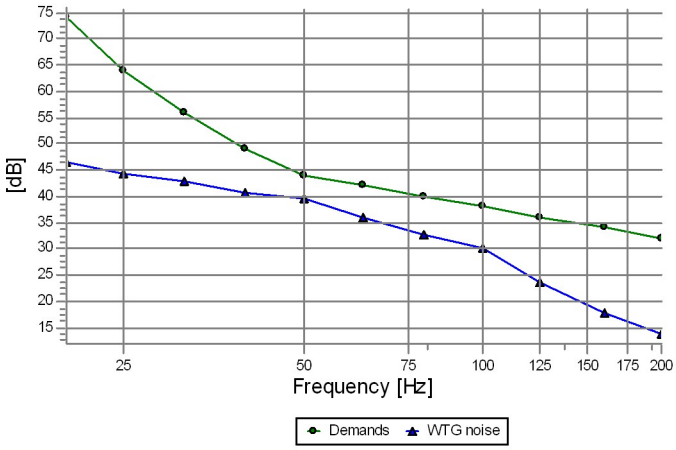
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.7	Yes
25.0	64.0	44.2	Yes
31.5	56.0	43.0	Yes
40.0	49.0	40.8	Yes
50.0	44.0	39.7	Yes
63.0	42.0	35.9	Yes
80.0	40.0	32.7	Yes
100.0	38.0	30.2	Yes
125.0	36.0	23.8	Yes
160.0	34.0	17.8	Yes
200.0	32.0	14.0	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

AB Noise sensitive point: Finnish normal frequency - User defined (29)

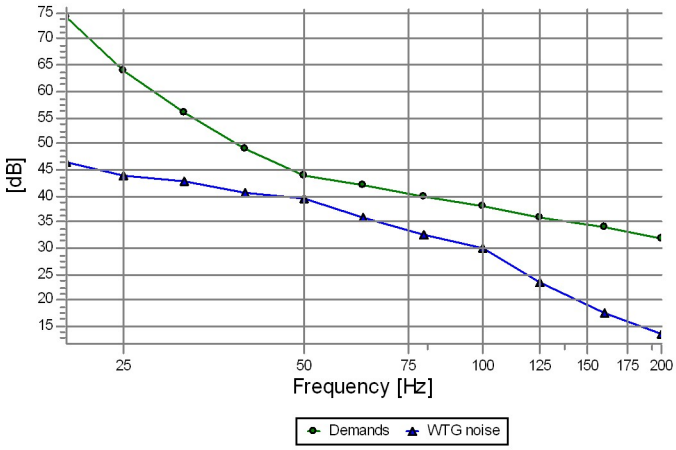
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.7	Yes
25.0	64.0	44.2	Yes
31.5	56.0	43.0	Yes
40.0	49.0	40.8	Yes
50.0	44.0	39.7	Yes
63.0	42.0	35.9	Yes
80.0	40.0	32.7	Yes
100.0	38.0	30.2	Yes
125.0	36.0	23.8	Yes
160.0	34.0	17.8	Yes
200.0	32.0	14.0	Yes

AC Noise sensitive point: Finnish normal frequency - User defined (47)

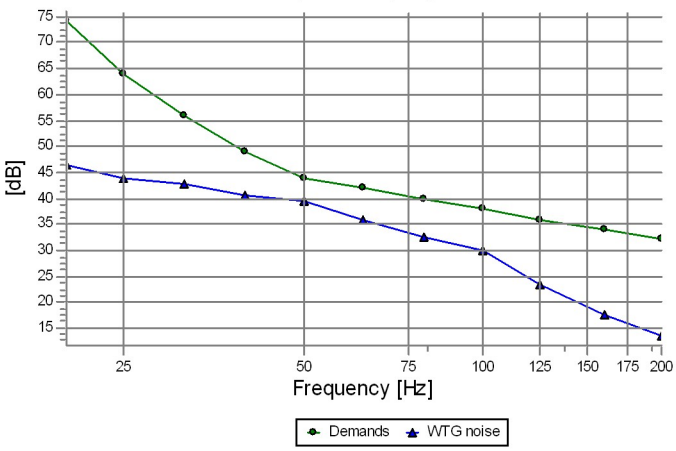
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.5	Yes
25.0	64.0	44.1	Yes
31.5	56.0	42.8	Yes
40.0	49.0	40.6	Yes
50.0	44.0	39.5	Yes
63.0	42.0	35.8	Yes
80.0	40.0	32.5	Yes
100.0	38.0	30.0	Yes
125.0	36.0	23.6	Yes
160.0	34.0	17.6	Yes
200.0	32.0	13.8	Yes

AD Noise sensitive point: Finnish normal frequency - User defined (45)

Wind speed: 8.0 [m/s]



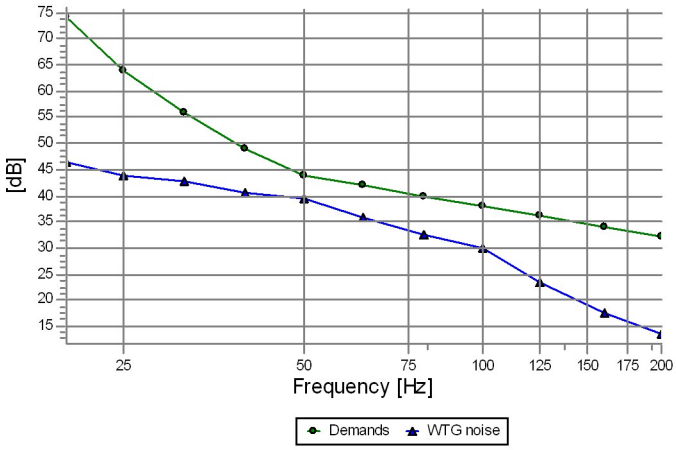
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.5	Yes
25.0	64.0	44.0	Yes
31.5	56.0	42.8	Yes
40.0	49.0	40.6	Yes
50.0	44.0	39.5	Yes
63.0	42.0	35.7	Yes
80.0	40.0	32.5	Yes
100.0	38.0	29.9	Yes
125.0	36.0	23.6	Yes
160.0	34.0	17.6	Yes
200.0	32.0	13.7	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

AE Noise sensitive point: Finnish normal frequency - User defined (46)

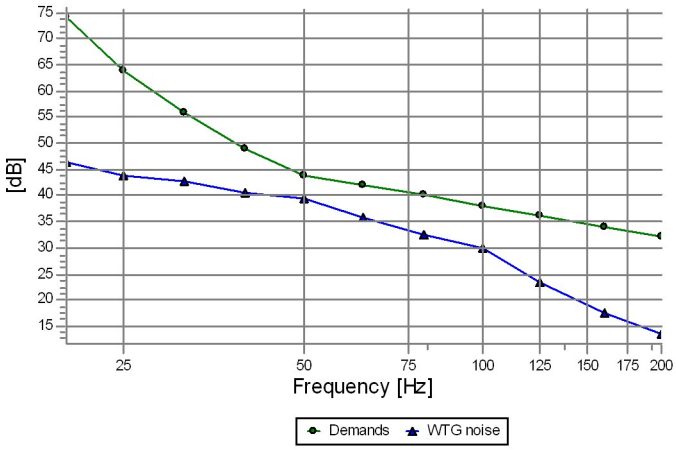
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.5	Yes
25.0	64.0	44.0	Yes
31.5	56.0	42.8	Yes
40.0	49.0	40.6	Yes
50.0	44.0	39.4	Yes
63.0	42.0	35.7	Yes
80.0	40.0	32.5	Yes
100.0	38.0	29.9	Yes
125.0	36.0	23.5	Yes
160.0	34.0	17.6	Yes
200.0	32.0	13.7	Yes

AF Noise sensitive point: Finnish normal frequency - User defined (39)

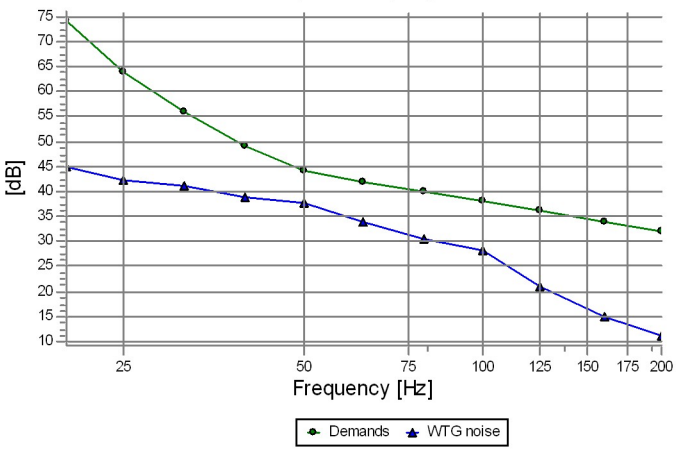
Wind speed: 8.0 [m/s]



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.5	Yes
25.0	64.0	44.0	Yes
31.5	56.0	42.8	Yes
40.0	49.0	40.6	Yes
50.0	44.0	39.5	Yes
63.0	42.0	35.7	Yes
80.0	40.0	32.4	Yes
100.0	38.0	29.9	Yes
125.0	36.0	23.5	Yes
160.0	34.0	17.5	Yes
200.0	32.0	13.7	Yes

AG Noise sensitive point: Finnish normal frequency - User defined (11)

Wind speed: 8.0 [m/s]



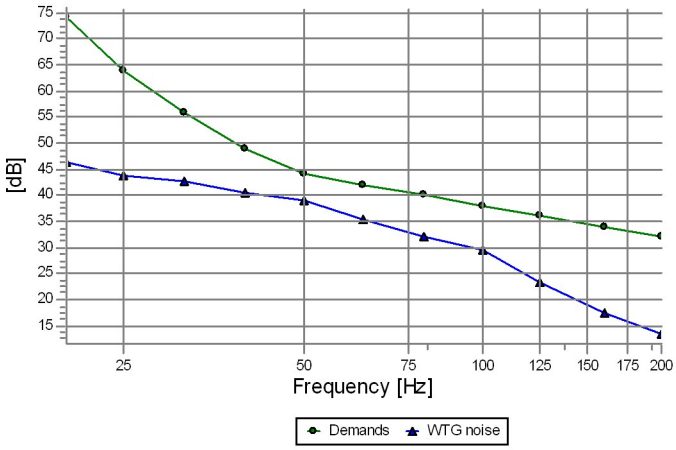
Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	44.9	Yes
25.0	64.0	42.3	Yes
31.5	56.0	41.1	Yes
40.0	49.0	38.8	Yes
50.0	44.0	37.8	Yes
63.0	42.0	33.7	Yes
80.0	40.0	30.4	Yes
100.0	38.0	28.1	Yes
125.0	36.0	21.1	Yes
160.0	34.0	15.1	Yes
200.0	32.0	11.2	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

AH Noise sensitive point: Finnish normal frequency - User defined (18)

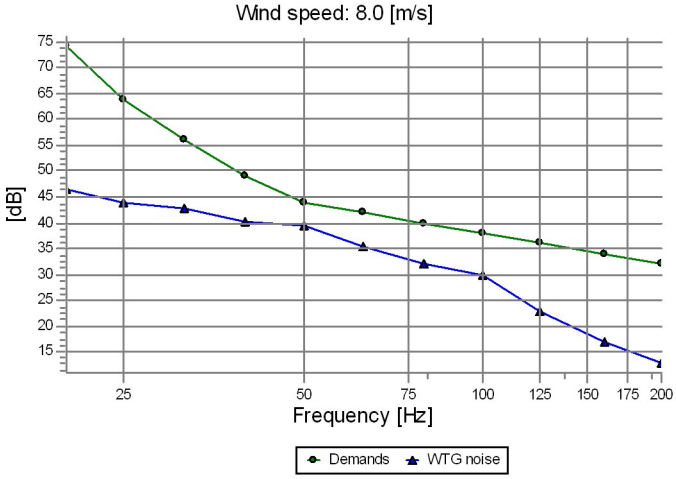
Wind speed: 8.0 [m/s]



Frequency [Hz]	Demands [dB]	Sound level WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.3	Yes
25.0	64.0	43.9	Yes
31.5	56.0	42.6	Yes
40.0	49.0	40.4	Yes
50.0	44.0	39.2	Yes
63.0	42.0	35.5	Yes
80.0	40.0	32.3	Yes
100.0	38.0	29.7	Yes
125.0	36.0	23.4	Yes
160.0	34.0	17.5	Yes
200.0	32.0	13.6	Yes

AI Noise sensitive point: Finnish normal frequency - User defined (52)

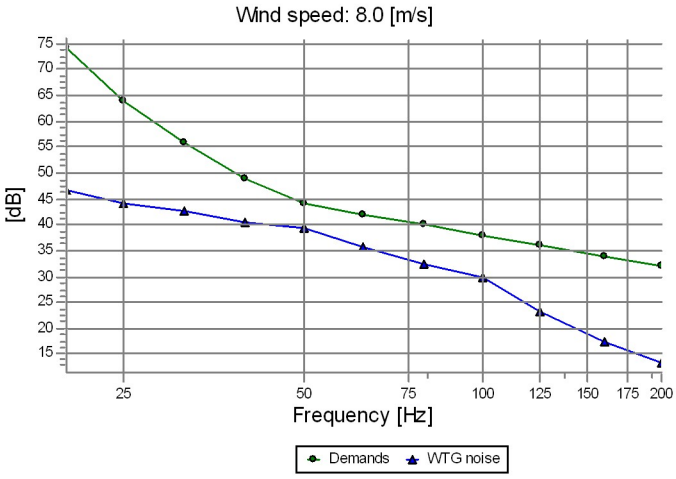
Wind speed: 8.0 [m/s]



Frequency [Hz]	Demands [dB]	Sound level WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.4	Yes
25.0	64.0	43.8	Yes
31.5	56.0	42.7	Yes
40.0	49.0	40.4	Yes
50.0	44.0	39.4	Yes
63.0	42.0	35.3	Yes
80.0	40.0	32.0	Yes
100.0	38.0	29.7	Yes
125.0	36.0	22.9	Yes
160.0	34.0	16.9	Yes
200.0	32.0	13.1	Yes

AJ Noise sensitive point: Finnish normal frequency - User defined (19)

Wind speed: 8.0 [m/s]



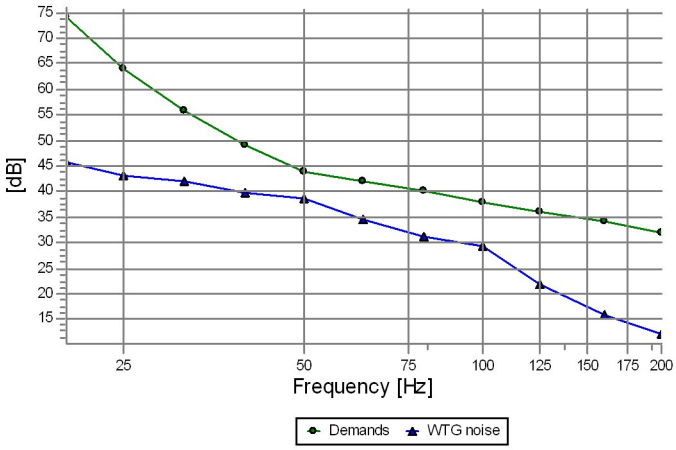
Frequency [Hz]	Demands [dB]	Sound level WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.6	Yes
25.0	64.0	44.1	Yes
31.5	56.0	42.8	Yes
40.0	49.0	40.6	Yes
50.0	44.0	39.5	Yes
63.0	42.0	35.6	Yes
80.0	40.0	32.3	Yes
100.0	38.0	29.9	Yes
125.0	36.0	23.4	Yes
160.0	34.0	17.4	Yes
200.0	32.0	13.5	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

AK Noise sensitive point: Finnish normal frequency - User defined (9)

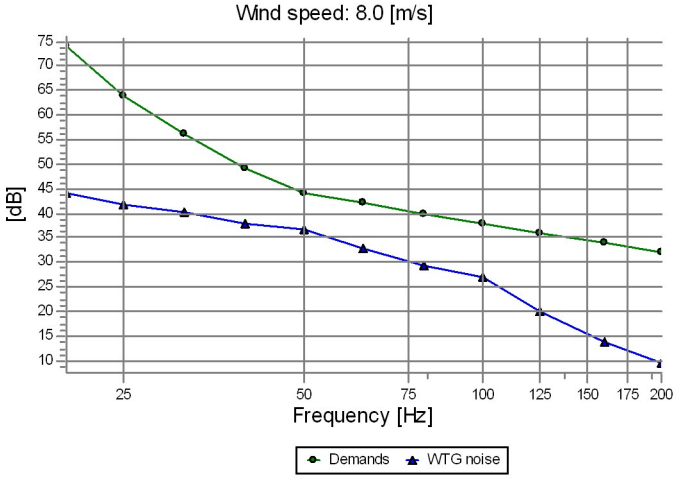
Wind speed: 8.0 [m/s]



Frequency [Hz]	Demands [dB]	Sound level WTG noise [dB]	Demands fulfilled ?
20.0	74.0	45.9	Yes
25.0	64.0	43.3	Yes
31.5	56.0	42.2	Yes
40.0	49.0	39.8	Yes
50.0	44.0	38.8	Yes
63.0	42.0	34.7	Yes
80.0	40.0	31.3	Yes
100.0	38.0	29.1	Yes
125.0	36.0	22.0	Yes
160.0	34.0	16.0	Yes
200.0	32.0	12.3	Yes

AL Noise sensitive point: Finnish normal frequency - User defined (33)

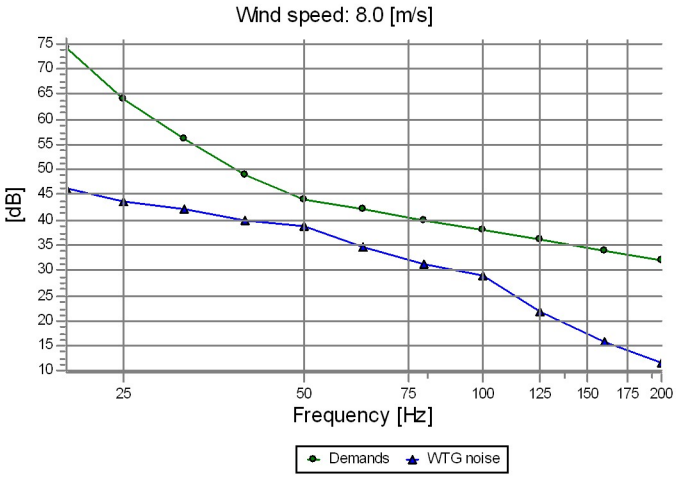
Wind speed: 8.0 [m/s]



Frequency [Hz]	Demands [dB]	Sound level WTG noise [dB]	Demands fulfilled ?
20.0	74.0	44.2	Yes
25.0	64.0	41.7	Yes
31.5	56.0	40.1	Yes
40.0	49.0	37.8	Yes
50.0	44.0	36.7	Yes
63.0	42.0	32.7	Yes
80.0	40.0	29.3	Yes
100.0	38.0	26.8	Yes
125.0	36.0	20.1	Yes
160.0	34.0	13.6	Yes
200.0	32.0	9.5	Yes

AM Noise sensitive point: Finnish normal frequency - User defined (32)

Wind speed: 8.0 [m/s]



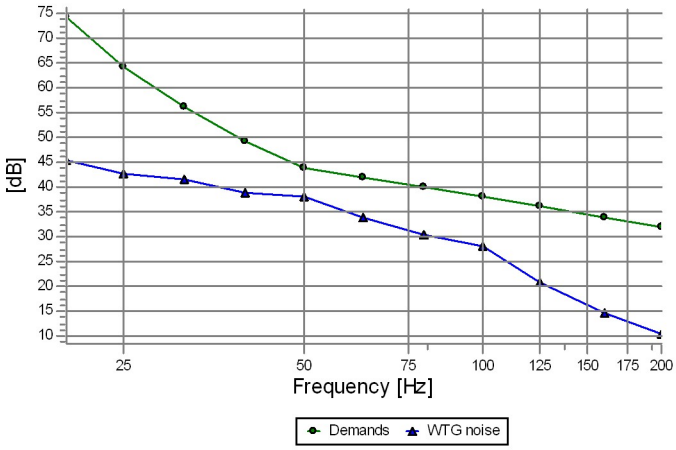
Frequency [Hz]	Demands [dB]	Sound level WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.2	Yes
25.0	64.0	43.5	Yes
31.5	56.0	42.3	Yes
40.0	49.0	39.9	Yes
50.0	44.0	38.9	Yes
63.0	42.0	34.6	Yes
80.0	40.0	31.2	Yes
100.0	38.0	29.1	Yes
125.0	36.0	21.8	Yes
160.0	34.0	15.6	Yes
200.0	32.0	11.8	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

AN Noise sensitive point: Finnish normal frequency - User defined (30)

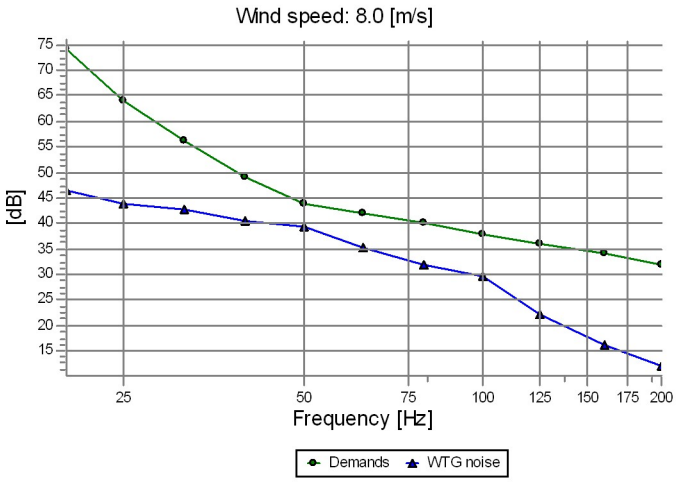
Wind speed: 8.0 [m/s]



Frequency [Hz]	Demands [dB]	Sound level WTG noise [dB]	Demands fulfilled ?
20.0	74.0	45.2	Yes
25.0	64.0	42.5	Yes
31.5	56.0	41.4	Yes
40.0	49.0	39.0	Yes
50.0	44.0	38.0	Yes
63.0	42.0	33.8	Yes
80.0	40.0	30.4	Yes
100.0	38.0	28.1	Yes
125.0	36.0	20.9	Yes
160.0	34.0	14.7	Yes
200.0	32.0	10.6	Yes

AO Noise sensitive point: Finnish normal frequency - User defined (7)

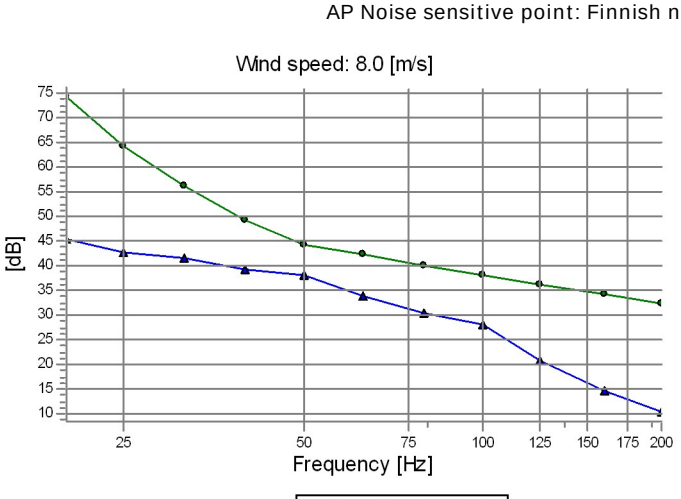
Wind speed: 8.0 [m/s]



Frequency [Hz]	Demands [dB]	Sound level WTG noise [dB]	Demands fulfilled ?
20.0	74.0	46.6	Yes
25.0	64.0	43.9	Yes
31.5	56.0	42.8	Yes
40.0	49.0	40.4	Yes
50.0	44.0	39.4	Yes
63.0	42.0	35.1	Yes
80.0	40.0	31.7	Yes
100.0	38.0	29.6	Yes
125.0	36.0	22.2	Yes
160.0	34.0	16.1	Yes
200.0	32.0	12.2	Yes

AP Noise sensitive point: Finnish normal frequency - User defined (8)

Wind speed: 8.0 [m/s]

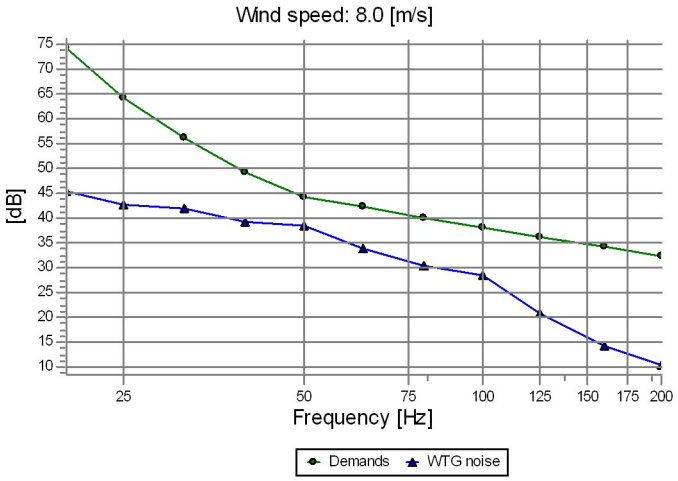


Frequency [Hz]	Demands [dB]	Sound level WTG noise [dB]	Demands fulfilled ?
20.0	74.0	45.2	Yes
25.0	64.0	42.5	Yes
31.5	56.0	41.4	Yes
40.0	49.0	39.0	Yes
50.0	44.0	38.0	Yes
63.0	42.0	33.7	Yes
80.0	40.0	30.2	Yes
100.0	38.0	28.1	Yes
125.0	36.0	20.6	Yes
160.0	34.0	14.4	Yes
200.0	32.0	10.3	Yes

DECIBEL - Detailed results, graphic

Calculation: Low freq Rahkakuru VE1 Noise calculation model: Finland Low frequency 8.0 m/s

AQ Noise sensitive point: Finnish normal frequency - User defined (14)



Frequency [Hz]	Sound level Demands [dB]	WTG noise [dB]	Demands fulfilled ?
20.0	74.0	45.4	Yes
25.0	64.0	42.7	Yes
31.5	56.0	41.6	Yes
40.0	49.0	39.1	Yes
50.0	44.0	38.2	Yes
63.0	42.0	33.7	Yes
80.0	40.0	30.2	Yes
100.0	38.0	28.3	Yes
125.0	36.0	20.5	Yes
160.0	34.0	14.2	Yes
200.0	32.0	10.3	Yes

DECIBEL - Assumptions for noise calculation

Calculation: Low freq Rahkakuru VE1

Noise calculation model:
Finland Low frequency
Wind speed (at 10 m height):
8.0 m/s
Spectral distribution:
From 20.0 Hz to 200.0 Hz
Meteorological coefficient, C0:
Selected option: Fixed value: 0.0 dB
Type of demand in calculation:
1: WTG noise is compared to demand (DK, DE, SE, NL etc.)
Noise values in calculation:
All noise values are mean values (Lwa) (Normal)
Pure tones:
Pure tone penalty is subtracted from demand
Model: 5.0 dB(A)
Height above ground level, when no value in NSA object:
4.0 m; Don't allow override of model height with height from NSA object
Uncertainty margin:
0.0 dB; Uncertainty margin in NSA has priority
Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:
0.0 dB(A)
Low frequency calculation
dLsigma

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
7.6	8.3	9.2	10.3	11.5	13.0	14.8	16.8	18.8	21.1	22.8

All coordinates are in
Finish TM ETRS-TM35FIN-ETRS89

WTG: VESTAS V172-7.2 7200 172.0 !O!
Noise: Third octave noise emission EnVentus™ V172-7.2MW 50/60 Hz

Source	Source/Date	Creator	Edited
0128-4336_V00 - Enventus V172-7.2MW Third Octaves.pdf	2024-10-18	USER	2024-10-22 9.42

Received from client 2024-10-17

Status	Hub height	Wind speed	LwA,ref	20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
	[m]	[m/s]	[dB(A)]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From Windcat	166.0	8.0	100.7	62.0	67.2	72.0	76.8	81.2	85.0	88.3	91.1	93.3	95.0	96.1

WTG: VESTAS V126-3.3 GridStreame 3300 126.0 !O!
Noise: V126-3.3/3.45MW Third Octaves according to General Specification

Source	Source/Date	Creator	Edited
0048-2151_V03 - V126-3_3&3_45MW-Third Octaves according to General Specification - 20150827.pdf	2024-10-21	USER	2024-10-29 8.01

Received from client in 2024-10-17

Status	Hub height	Wind speed	LwA,ref	20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
	[m]	[m/s]	[dB(A)]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From Windcat	147.0	8.0	95.1	63.3	68.4	68.9	72.1	76.8	79.8	82.6	86.0	89.3	88.2	90.0

WTG: NORDEX N163/5.X 5900 163.0 !O!
Noise: Third octave sound power levels Nordex N163/5.X

Source	Source/Date	Creator	Edited
13.03b_2014460EN_11_pdf_F008_276a_A17_EN_R11_Third-octave-sound-power-levels_VPC.pdf	2024-12-10	USER	2024-12-10 8.09

Received from client 2024-12-09

Status	Hub height	Wind speed	LwA,ref	20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
	[m]	[m/s]	[dB(A)]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From Windcat	168.0	8.0	97.5	63.9	67.8	73.3	76.9	82.0	83.3	86.1	90.8	89.3	90.6	91.9

DECIBEL - Assumptions for noise calculation

Calculation: Low freq Rahkakuru VE1

WTG: NORDEX N163/5.X 5900 163.0 !O!
Noise: Third octave sound power levels Nordex N163/5.X

Source	Source/Date	Creator	Edited
13.03b_2014460EN_11_pdf_F008_276a_A17_EN_R11_Third-octave-sound-power-levels_VPC.pdf	2024-12-10	USER	2024-12-10 8.11

Received from client 2024-12-09

Status	Hub height	Wind speed	LwA,ref	20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
	[m]	[m/s]	[dB(A)]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From Windcat	148.0	8.0	97.5	63.9	67.8	73.3	76.9	82.0	83.3	86.1	90.8	89.3	90.6	91.9

Noise sensitive area: A Noise sensitive point: Finnish normal frequency - User defined (23)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: B Noise sensitive point: Finnish normal frequency - User defined (2)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: C Noise sensitive point: Finnish normal frequency - User defined (5)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: D Noise sensitive point: Finnish normal frequency - User defined (24)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: E Noise sensitive point: Finnish normal frequency - User defined (35)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

DECIBEL - Assumptions for noise calculation

Calculation: Low freq Rahkakuru VE1

Noise sensitive area: F Noise sensitive point: Finnish normal frequency - User defined (1)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: G Noise sensitive point: Finnish normal frequency - User defined (4)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: H Noise sensitive point: Finnish normal frequency - User defined (22)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: I Noise sensitive point: Finnish normal frequency - User defined (20)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: J Noise sensitive point: Finnish normal frequency - User defined (3)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: K Noise sensitive point: Finnish normal frequency - User defined (13)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

DECIBEL - Assumptions for noise calculation

Calculation: Low freq Rahkakuru VE1

Noise sensitive area: L Noise sensitive point: Finnish normal frequency - User defined (12)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: M Noise sensitive point: Finnish normal frequency - User defined (42)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: N Noise sensitive point: Finnish normal frequency - User defined (40)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: O Noise sensitive point: Finnish normal frequency - User defined (34)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: P Noise sensitive point: Finnish normal frequency - User defined (41)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: Q Noise sensitive point: Finnish normal frequency - User defined (44)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

DECIBEL - Assumptions for noise calculation

Calculation: Low freq Rahkakuru VE1

Noise sensitive area: R Noise sensitive point: Finnish normal frequency - User defined (43)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: S Noise sensitive point: Finnish normal frequency - User defined (49)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: T Noise sensitive point: Finnish normal frequency - User defined (36)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: U Noise sensitive point: Finnish normal frequency - User defined (50)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: V Noise sensitive point: Finnish normal frequency - User defined (38)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: W Noise sensitive point: Finnish normal frequency - User defined (6)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

DECIBEL - Assumptions for noise calculation

Calculation: Low freq Rahkakuru VE1

Noise sensitive area: X Noise sensitive point: Finnish normal frequency - User defined (51)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: Y Noise sensitive point: Finnish normal frequency - User defined (10)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: Z Noise sensitive point: Finnish normal frequency - User defined (37)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AA Noise sensitive point: Finnish normal frequency - User defined (48)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AB Noise sensitive point: Finnish normal frequency - User defined (29)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AC Noise sensitive point: Finnish normal frequency - User defined (47)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

DECIBEL - Assumptions for noise calculation

Calculation: Low freq Rahkakuru VE1

Noise sensitive area: AD Noise sensitive point: Finnish normal frequency - User defined (45)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AE Noise sensitive point: Finnish normal frequency - User defined (46)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AF Noise sensitive point: Finnish normal frequency - User defined (39)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AG Noise sensitive point: Finnish normal frequency - User defined (11)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AH Noise sensitive point: Finnish normal frequency - User defined (18)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AI Noise sensitive point: Finnish normal frequency - User defined (52)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

DECIBEL - Assumptions for noise calculation

Calculation: Low freq Rahkakuru VE1

Noise sensitive area: AJ Noise sensitive point: Finnish normal frequency - User defined (19)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AK Noise sensitive point: Finnish normal frequency - User defined (9)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AL Noise sensitive point: Finnish normal frequency - User defined (33)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AM Noise sensitive point: Finnish normal frequency - User defined (32)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AN Noise sensitive point: Finnish normal frequency - User defined (30)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AO Noise sensitive point: Finnish normal frequency - User defined (7)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

DECIBEL - Assumptions for noise calculation

Calculation: Low freq Rahkakuru VE1

Noise sensitive area: AP Noise sensitive point: Finnish normal frequency - User defined (8)

Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

Noise sensitive area: AQ Noise sensitive point: Finnish normal frequency - User defined (14)

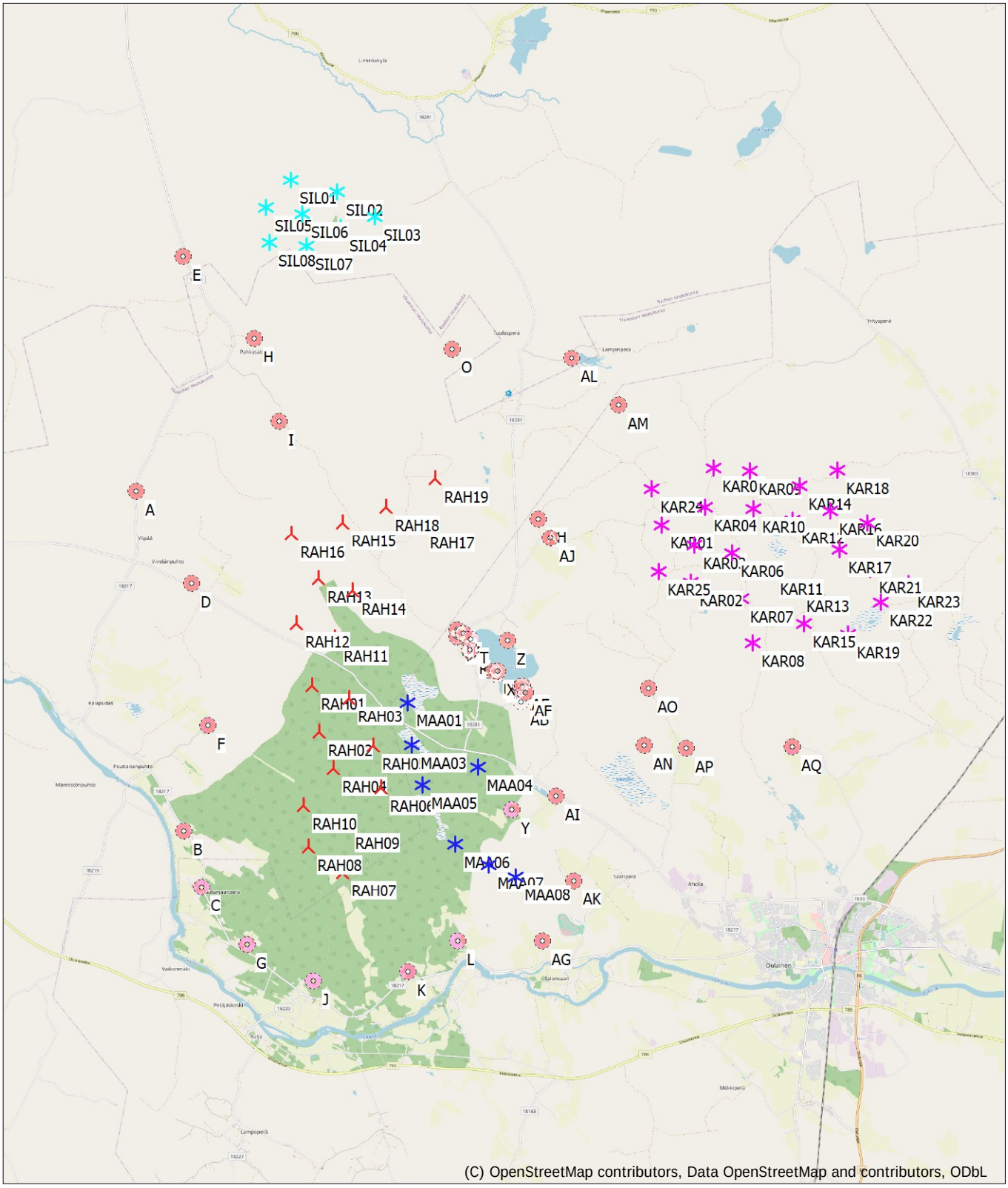
Predefined calculation standard: Residential health guide 2003, indoor - night
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Noise demand:

20.0 Hz	25.0 Hz	31.5 Hz	40.0 Hz	50.0 Hz	63.0 Hz	80.0 Hz	100.0 Hz	125.0 Hz	160.0 Hz	200.0 Hz
74.0 dB	64.0 dB	56.0 dB	49.0 dB	44.0 dB	42.0 dB	40.0 dB	38.0 dB	36.0 dB	34.0 dB	32.0 dB

No distance demand

DECIBEL - Map

Calculation: Low freq Rahkakuru VE1



Map: EMD OpenStreetMap , Print scale 1:100 000, Map center Finish TM ETRS-TM35FIN-ETRS89 East: 389 118 North: 7 135 792

New WTG Existing WTG Noise sensitive area