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Noise Modelling Calculation Settings

Report: List of model properties
Model: Phase 3a - Production testing

Model property

Description	Phase 3a - Production testing
Responsible	LLloyd
Calculation method	#-1 Industrial noise ISO 9613
Created by	LLloyd on 14/09/2023
Last accessed by	JWard on 03/05/2024
Model created using	Predictor V2023
Day Period	07:00 - 19:00
Evening Period	19:00 - 23:00
Night Period	23:00 - 07:00
Compound period	Lden
Value	Avg(Day, Evening + 5, Night + 10)
Default terrain level	0
Contour calculation height	1.5
Detail level receiver results	Source results
Detail level grid results	Total results
Calculation optimization on	Yes
Fetching radius [m]	5000
Dynamic Error Margin	--
Remove inner walls	Yes
Terrain model	Use full DTM
Meteorological correction	No meteorological correction
Temperature [K]	293.15
Pressure [kPa]	101.325
Air humidity [%]	60.0
Air absorption [dB/km]	0.03 0.10 0.39 1.23 2.79 4.80 9.25 25.43 87.77
Ground attenuation	General method, ground factor = 0.7
Barrier/ground attenuation	According to ISO 9613, formula 12
IOA-GPG Valley correction	No
IOA-GPG Limit screening	No
Max. barrier att.	According to ISO 9613-1: 20 / 25
Barrier effect	Calculate barrier effect also for direct sight
Max.refl.distance	--
Max.refl.depth	1

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Comments