



Version 2026 MR 1 (64 Bit) (build: 215.5625)

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License Number: L42947

Product: City Professional X L

Expiration Date: none

Customer Number: 27433

Licensee:

Kajaja Acoustics OÜ, Tallinn, Estonia



OK

Configuration of Calculation

?

×

Reflection	Meteorology	Industry	Road	Railroad		
Standards	General	Partition	Ref. Time	Eval.Param.	DTM	Ground Abs.

Template:

-



Open Configuration...

Save Configuration...

Standards / Guidelines:

Industry:

CNOSSOS-EU

▼

Road:

NMPB-Routes-96

▼

Railroad:

SRM II

▼

Aircraft:

▼

OK

Cancel

Help

Reflection	Meteorology	Industry	Road	Railroad		
Standards	General	Partition	Ref. Time	Eval.Param.	DTM	Ground Abs.

Max. Error (dB): Grid Interpolation:

Max. Search Radius (m): Max. Diff. Corners (dB):

Min. Dist Source to Rcvr (m): Max. Diff. Center (dB):

☒ Extrapolate Grid 'under' Buildings ☐ Fast Screening

Propagation Coeff. Uncertainty:

☐ Angle Scan Method (exp!!!) ☐ Mithra Compatibility

Number of Angle Segments:

Reflection Depth:

OK Cancel Help

Configuration of Calculation?×

Reflection		Meteorology	Industry	Road	Railroad	
Standards	General	Partition	Ref. Time	Eval.Param.	DTM	Ground Abs.
Raster Factor:		0.50	Projection of: ☒ Line Sources			
Max. Length of Section (m):		1000.0	☒ Area Sources			
Min. Length of Section (m):		1.0	☐ Projection at Terrain Model			
Min. Length of Section (%):		0.0	Max Dist. Source-Rcvr (m):		2000.00	
☐ Partition acc. to RBLärm-92 Proc. 1			Search Radius Source (m):		100.00	
			Search Radius Receiver (m):		100.00	
			☒ Min. Lengths are considered by projection			

Configuration of Calculation

?

×

Reflection				Meteorology				Industry				Road				Railroad											
Standards				General				Partition				Ref. Time				Eval.Param.				DTM				Ground Abs.			

Allocation Hours - Periods Day, Evening, Night

00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	00
N	N	N	N	N	N	N	N	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	N

Daytime Penalty (dB):

0.0

Evening/Recr. Time Penalty (dB):

5.0

Night-time Penalty (dB):

10.0

☐ Recr. Time Penalty only for:

(ohne Nutzung)

KU Kurgebiet

WR reines Wohngebiet

WA allg. Wohngebiet

MI Mischgebiet

GE Gewerbegebiet

OK

Cancel

Help

Configuration of Calculation

? X

Reflection		Meteorology		Industry		Road		Railroad	
Standards	General	Partition	Ref. Time	Eval.Param.		DTM		Ground Abs.	

Evaluation Parameters:

	Type		Name		Unit	Expression	
1:	Ld	☒	Ld	☐			>>
2:	Le	☒	Le	☐			>>
3:	Ln	☒	Ln	☐			>>
4:	Lden	☒	Lden	☐			>>

DIN 4109 Version:

2018

OK

Cancel

Help

Configuration of Calculation?×

Reflection	Meteorology	Industry	Road	Railroad
Standards	General	Partition	Ref. Time	Eval.Param.
			DTM	Ground Abs.

Standard Height (m):

Model of Terrain:

☒ Triangulation

☐ Explicit Edges Only

☐ Obj with "Ground at every point" influence DTM

☐ Search Contour Lines (Average)

☐ Search Contour Lines (Local Inclined Plane)

Search Radius for Contour Lines (m):

☒ Lift 'Sources under Ground' to Ground-Niveau

☐ Area sources with constant relative height follow terrain

OK

Cancel

Help

Configuration of Calculation?×

Reflection	Meteorology	Industry	Road	Railroad
Standards	General	Partition	Ref. Time	Eval.Param.
			DTM	Ground Abs.

Default Ground Absorption G:

Use map of ground absorption

Resolution (m):

☒ Roads / Parking Lots are reflecting (G==0)

☐ Buildings are reflecting (G==0)

☐ Railways are absorbing (G==1)

OK

Cancel

Help

Configuration of Calculation?×

Standards	General	Partition	Ref. Time	Eval.Param.	DTM	Ground Abs.
Reflection	Meteorology	Industry	Road	Railroad		

max. Order of Reflection:

Conditions for Calculation of Reflection:

Search Radius Source (m):	100.00	Receiver:	100.00
Max. Distance Source - Receiver (m):	1000.00	Interpolate from:	1000.00
Min. Distance Receiver - Reflector (m):	1.00	Interpolate to:	1.00
Min. Distance Source - Reflector (m):	0.10		

Configuration of Calculation
?
X

Standards	General	Partition	Ref. Time	Eval.Param.	DTM	Ground Abs.
Reflection	Meteorology		Industry		Road	Railroad

Temperature (°C): 10

rel. Humidity (%): 70

Wind Speed for Dir. (m/s): 3.0

Meteorology...

Direction of North:

☒ Get from first North Arrow Symbol

☐ Angle (°): 0.0

OK Cancel Help

Configuration of Calculation
?
X

Standards	General	Partition	Ref. Time	Eval.Param.	DTM	Ground Abs.
Reflection	Meteorology		Industry		Road	Railroad

Temperature (°C): 10

rel. Humidity (%): 70

Meteorology
X

Country: France

Percentage of 'favorable conditions' (default)

	20°	40°	60°	80°	100°	120°	140°	160°	180°	200°	220°	240°	260°	280°	300°	320°	340°	360°
Day:	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Evening:	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Night:	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

☐ Evening Values = Day Values

OK Cancel Help

☒ Get from first North Arrow Symbol

☐ Angle (°): 0.0

OK Cancel Help

Configuration of Calculation?×

Standards	General	Partition	Ref. Time	Eval.Param.	DTM	Ground Abs.
Reflection	Meteorology	Industry	Road	Railroad		

Calculation acc. to:

2015/996 EU w/o 17534

▼

Lateral Diffraction:

none

▼

if Distance smaller (m):

1000

☒ Obstacles within Area Src do not shield

☐ Src. in Building/Cylinder do not shield

OK

Cancel

Help

Configuration of Calculation?×

Standards	General	Partition	Ref. Time	Eval.Param.	DTM	Ground Abs.
Reflection	Meteorology	Industry	Road	Railroad		

Calculation acc to NMPB

☐ Calc exactly one Reflection Order

☐ Use Multiple Reflection Correction

☒ Calc outer Lanes separately

Emission Calculation:

NMPB

Meteorology...

OK

Cancel

Help

Configuration of Calculation
?
X

Standards	General	Partition	Ref. Time	Eval.Param.	DTM	Ground Abs.
Reflection	Meteorology	Industry	Road	Railroad		

Calculation acc. to SRM II (Reken- en Meetvoorschriften Railverkeerslawaaai '96)

☐ All Emissions at 0.50 m above railhead

Railway Correction (dB):

☒ Use Non-Standard Reference Time D/E/N = 12/4/8 (see Ref.Time Tab)

☒ Air Absorption acc. to ISO 9613-1

☒ Meteorological Correction Cmet acc. to ISO 9613-2

Other Properties: See Industry.

OK
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Help

Receiver Grid
X

Receiver Spacing:

dx (m):

dy (m):

Receiver Height (m):

☐ Absolute

☒ Exclude Sound Sources

☒ Exclude Buildings

☐ Use Height of Buildings

☒ for all Variants

OK
Cancel
Help
Options >>