

	1		2		3		4		5		6	
	S/B	N/B	S/B	N/B	S/B	N/B	S/B	N/B	S/B	N/B	S/B	N/B
Reference train noise Lmax	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)
Speed of reference source	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph
Distance of reference source	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m
Length of train (L)	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m
Lmax (ref) to SEL (ref)												
D = d/L	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10 log(L/V)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)
-10Log(4D/(4D ² +1)+2tan ⁻¹ (1/2D))+10.5	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)
SEL	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)
Input parameters:												
Horizontal distance (perpendicular distance)	92.8 m	104.8 m	64.3 m	75.5 m	40.3 m	53.8 m	26.8 m	37.3 m	18.5 m	22.5 m	18.5 m	22.5 m
Railway Head	23.3 mPD	23.2 mPD	21.6 mPD	21.9 mPD	20.9 mPD	21.2 mPD	20.3 mPD	20.4 mPD	20.0 mPD	20.1 mPD	20.1 mPD	20.1 mPD
Effective Source Height	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m
Source height	24.2 mPD	24.1 mPD	22.5 mPD	22.8 mPD	21.8 mPD	22.1 mPD	21.2 mPD	21.3 mPD	20.9 mPD	20.9 mPD	21.0 mPD	21.0 mPD
Receiver height	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD
Height difference between receiver and source	11.3 m	11.4 m	13.0 m	12.7 m	13.7 m	13.4 m	14.3 m	14.2 m	14.6 m	14.6 m	14.5 m	14.5 m
Slant distance between receiver and source, (d)	93.4 m	105.4 m	65.5 m	76.6 m	42.5 m	55.4 m	30.3 m	39.9 m	23.5 m	26.8 m	23.5 m	26.8 m
Angle of view (θ)	2.5 degree	2.5 degree	5.0 degree	5.0 degree	3.0 degree	3.0 degree	3.0 degree	3.0 degree	6.0 degree	6.0 degree	17.0 degree	17.0 degree
Train speed (V)	70.0 kph	70.0 kph	70.0 kph	70.0 kph	70.0 kph	70.0 kph	75.0 kph	70.0 kph	75.0 kph	70.0 kph	70.0 kph	75.0 kph
Distance correction	-5.7 dB(A)	-6.2 dB(A)	-4.2 dB(A)	-4.9 dB(A)	-2.3 dB(A)	-3.5 dB(A)	-0.8 dB(A)	-2.0 dB(A)	0.3 dB(A)	-0.3 dB(A)	0.3 dB(A)	-0.3 dB(A)
Angle-of-view correction	-18.6 dB(A)	-18.6 dB(A)	-15.6 dB(A)	-15.6 dB(A)	-17.8 dB(A)	-17.8 dB(A)	-17.8 dB(A)	-17.8 dB(A)	-14.8 dB(A)	-14.8 dB(A)	-10.2 dB(A)	-10.2 dB(A)
Speed correction	-1.2 dB(A)	-1.2 dB(A)	-1.2 dB(A)	-1.2 dB(A)	-1.2 dB(A)	-1.2 dB(A)	-0.6 dB(A)	-1.2 dB(A)	-0.6 dB(A)	-1.2 dB(A)	-0.6 dB(A)	-1.2 dB(A)
Points and crossing	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)
poor track	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)
Barrier correction	-5.3 dB(A)	-4.2 dB(A)	-4.5 dB(A)	-17.0 dB(A)	-4.0 dB(A)	-16.6 dB(A)	-0.4 dB(A)	-15.9 dB(A)	0.0 dB(A)	-14.5 dB(A)	0.0 dB(A)	-14.5 dB(A)
SEL (corrected)	55.6 dB(A)	56.1 dB(A)	60.9 dB(A)	47.7 dB(A)	61.0 dB(A)	47.3 dB(A)	66.7 dB(A)	49.4 dB(A)	71.2 dB(A)	55.5 dB(A)	75.1 dB(A)	60.6 dB(A)
SEL to Leq												
Number of trains on each track in 30 mins (N)	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
T = 1800s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s
Correction for Train Frequency	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)
Facade correction	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)
Re-radiated Noise	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)
Leq of each train direction	38.5 dB(A)	39.1 dB(A)	0.0 dB(A)	30.7 dB(A)	0.0 dB(A)	30.2 dB(A)	0.0 dB(A)	32.3 dB(A)	0.0 dB(A)	38.5 dB(A)	0.0 dB(A)	43.6 dB(A)
Leq of each segment	41.8 dB(A)		30.7 dB(A)		30.2 dB(A)		32.4 dB(A)		38.5 dB(A)		43.6 dB(A)	
Total Leq			54.5 dB(A)									
Lmax Calculation												
Actual Distance	245.8 m	253.3 m	202.3 m	215.8 m	166.3 m	182.8 m	133.3 m	151.3 m	92.8 m	112.3 m	50.8 m	62.8 m
Slant Distance	246.0 m	253.5 m	202.7 m	216.1 m	166.8 m	183.2 m	134.0 m	151.9 m	93.9 m	113.2 m	52.8 m	64.4 m
Distance correction	-19.9 dB(A)	-20.1 dB(A)	-18.2 dB(A)	-18.7 dB(A)	-16.5 dB(A)	-17.3 dB(A)	-14.6 dB(A)	-15.5 dB(A)	-11.5 dB(A)	-13.1 dB(A)	-3.2 dB(A)	-4.1 dB(A)
Speed correction	-1.7 dB(A)	-1.7 dB(A)	-1.7 dB(A)	-1.7 dB(A)	-1.7 dB(A)	-1.7 dB(A)	-0.8 dB(A)	-1.7 dB(A)	-0.8 dB(A)	-1.7 dB(A)	-1.7 dB(A)	-0.8 dB(A)
Points and crossing	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)
poor track	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)
Barrier correction	-5.3 dB(A)	-4.2 dB(A)	-4.5 dB(A)	-17.0 dB(A)	-4.0 dB(A)	-16.6 dB(A)	-0.4 dB(A)	-15.9 dB(A)	0.0 dB(A)	-14.5 dB(A)	0.0 dB(A)	-14.5 dB(A)
Facade correction	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)
Re-radiated Noise	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)
Lmax of each train direction	60.6 dB(A)	61.4 dB(A)	0.0 dB(A)	50.0 dB(A)	0.0 dB(A)	51.8 dB(A)	0.0 dB(A)	54.1 dB(A)	0.0 dB(A)	58.1 dB(A)	0.0 dB(A)	68.0 dB(A)
Lmax of S/B track			60.6 dB(A)									
Lmax of N/B track			70.8 dB(A)									
Lmax, combined (distance corrected)			71.2 dB(A)									
Horizontal distance from centreline to receiver	94.5 m	106.5 m	66.0 m	77.3 m	42.0 m	55.5 m	28.5 m	39.0 m	20.3 m	24.3 m	20.3 m	24.3 m
Parapet height	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m
Noise barrier height (above parapet)	0.0 m	0.0 m	0.0 m	3.9 m	0.0 m	3.9 m	0.0 m	3.9 m	0.0 m	3.9 m	0.0 m	3.9 m
Overall height (with barrier)	2.0 m	2.0 m	2.0 m	5.9 m	2.0 m	5.9 m	2.0 m	5.9 m	2.0 m	5.9 m	2.0 m	5.9 m
Source height	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m
Railway head height	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m
Railway head to parapet	2.05 m	5.80 m	2.05 m	1.13 m	2.05 m	1.13 m	2.05 m	1.13 m	2.05 m	1.13 m	2.05 m	1.13 m
Centreline to railway head	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m
Parapet to receiver	90.7 m	99.0 m	62.2 m	74.4 m	38.2 m	52.6 m	24.7 m	36.1 m	16.5 m	21.4 m	16.5 m	21.4 m
Height of effective barrier	0.5 m	0.5 m	0.5 m	4.5 m	0.5 m	4.5 m	0.5 m	4.5 m	0.5 m	4.5 m	0.5 m	4.5 m
Height of barrier (mPD)	24.7 m	24.7 m	23.1 m	27.3 m	22.4 m	26.5 m	21.7 m	25.7 m	21.5 m	25.3 m	21.6 m	25.4 m
a	2.1 m	5.8 m	2.1 m	4.6 m	2.1 m	4.6 m	2.1 m	4.6 m	2.1 m	4.6 m	2.1 m	4.6 m
b	92.3 m	100.5 m	64.4 m	75.8 m	41.3 m	54.4 m	29.2 m	38.4 m	22.4 m	24.6 m	22.3 m	24.5 m
c	94.4 m	106.4 m	66.5 m	77.5 m	43.5 m	56.4 m	31.2 m	40.8 m	24.3 m	27.7 m	24.3 m	27.6 m
Path difference (a+b-c)	0.020 m	0.001 m	0.004 m	2.869 m	0.004 m	2.589 m	0.054 m	2.170 m	0.168 m	1.493 m	0.166 m	1.505 m
Barrier correction (absolute)	5.3 dB(A)	4.2 dB(A)	4.5 dB(A)	17.0 dB(A)	4.0 dB(A)	16.6 dB(A)	0.4 dB(A)	15.9 dB(A)	0.0 dB(A)	14.5 dB(A)	0.0 dB(A)	14.5 dB(A)
Slope of a =	0.3	0.1	0.3	4.0	0.3	4.0	0.3	4.0	0.3	4.0	0.3	4.0
Slope of b =	0.1	0.1	0.2	0.1	0.3	0.2	0.6	0.3	0.9	0.5	0.8	0.5
Zone of the NSR	Shadow	Illuminated	Shadow	Shadow	Illuminated	Shadow	Illuminated	Shadow	Illuminated	Shadow	Illuminated	Shadow

	7		8		9		10			11			12	
	S/B	N/B	S/B	N/B	S/B	N/B	S/B	N/B	N/B	S/B	S/B	N/B	S/B	N/B
Reference train noise Lmax	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	78.0 dB(A)	0.0 dB(A)
Speed of reference source	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	80.0 kph	0.0 kph
Distance of reference source	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	25.0 m	0.0 m
Length of train (L)	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	68.0 m	0.0 m
Lmax (ref) to SEL (ref)														
D = d/L	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
10 log(L/V)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	-0.7 dB(A)	0.0 dB(A)
-10Log(4D/(4D ² +1)+2tan ⁻¹ (1/2D))+10.5	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	6.0 dB(A)	0.0 dB(A)
SEL	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	83.3 dB(A)	0.0 dB(A)
Input parameters:														
Horizontal distance (perpendicular distance)	18.5 m	22.5 m	18.5 m	22.5 m	17.8 m	20.8 m	10.3 m	23.3	23.3	23.3	23.3	13.3 m	13.3 m	0.0 m
Railway Head	20.2 mPD	20.2 mPD	20.4 mPD	20.4 mPD	20.5 mPD	20.6 mPD	20.9 mPD	20.9	20.9	20.7	20.7	21.0 mPD	21.1 mPD	0.0 mPD
Effective Source Height	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9	0.9	0.9	0.9	0.9 m	0.9 m	0.0 m
Source height	21.1 mPD	21.1 mPD	21.3 mPD	21.3 mPD	21.4 mPD	21.5 mPD	21.8 mPD	21.8	21.8	21.6	21.6	21.9 mPD	22.0 mPD	0.0 mPD
Receiver height	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5 mPD	35.5	35.5	35.5	35.5	35.5 mPD	35.5 mPD	0.0 mPD
Height difference between receiver and source	14.4 m	14.4 m	14.2 m	14.2 m	14.1 m	14.0 m	13.7 m	13.7	13.7	13.9	13.9	13.6 m	13.5 m	0.0 m
Slant distance between receiver and source, (d)	23.4 m	26.7 m	23.3 m	26.6 m	22.6 m	25.0 m	17.1 m	27.0	27.0	27.1	27.1	19.0 m	19.0 m	0.0 m
Angle of view (θ)	43.0 degree	43.0 degree	84.0 degree	84.0 degree	10.5 degree	10.5 degree	1.5 degree	0.3	1.0	0.3	1.0	0.5 degree	0.5 degree	0.0 degree
Train speed (V)	70.0 kph	70.0 kph	70.0 kph	75.0 kph	70.0 kph	75.0 kph	70.0 kph	70.0	70.0	70.0	70.0	70.0 kph	60.0 kph	70.0 kph
Distance correction	0.3 dB(A)	-0.3 dB(A)	0.3 dB(A)	-0.3 dB(A)	0.4 dB(A)	0.0 dB(A)	1.6 dB(A)	-0.3	-0.3	-0.3	-0.3	1.2 dB(A)	1.2 dB(A)	0.0 dB(A)
Angle-of-view correction	-6.2 dB(A)	-6.2 dB(A)	-3.3 dB(A)	-3.3 dB(A)	-12.3 dB(A)	-12.3 dB(A)	-20.8 dB(A)	-27.8	-22.6	-27.8	-22.6	-25.6 dB(A)	-25.6 dB(A)	0.0 dB(A)
Speed correction	-1.2 dB(A)	-0.6 dB(A)	-1.2 dB(A)	-0.6 dB(A)	-1.2 dB(A)	-0.6 dB(A)	-0.6 dB(A)	-1.2	-1.2	-1.2	-1.2	-1.2 dB(A)	-2.5 dB(A)	0.0 dB(A)
Points and crossing	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0	0.0	0.0	0.0	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)
poor track	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0	3.0	3.0	3.0	3.0 dB(A)	3.0 dB(A)	0.0 dB(A)
Barrier correction	0.0 dB(A)	-14.6 dB(A)	0.0 dB(A)	-14.6 dB(A)	0.0 dB(A)	-14.4 dB(A)	0.0 dB(A)	0.0	0.0	0.0	0.0	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)
SEL (corrected)	79.2 dB(A)	64.6 dB(A)	82.1 dB(A)	67.5 dB(A)	73.2 dB(A)	59.0 dB(A)	66.6 dB(A)	57.0	62.2	57.0	62.2	60.8 dB(A)	59.4 dB(A)	0.0 dB(A)
SEL to Leq														
Number of trains on each track in 30 mins (N)	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.0
T = 1800s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0 s	1800.0	1800.0	1800.0	1800.0	1800.0 s	1800.0 s	0.0 s
Correction for Train Frequency	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5 dB(A)	-23.5	-23.5	-23.5	-23.5	-23.5 dB(A)	-23.5 dB(A)	0.0 dB(A)
Facade correction	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5	2.5	2.5	2.5	2.5 dB(A)	2.5 dB(A)	0.0 dB(A)
Re-radiated Noise	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0	4.0	4.0	4.0	4.0 dB(A)	4.0 dB(A)	0.0 dB(A)
Leq of each train direction	0.0 dB(A)	47.6 dB(A)	0.0 dB(A)	50.5 dB(A)	0.0 dB(A)	42.0 dB(A)	0.0 dB(A)	40.0	45.2	0.0	0.0	43.7 dB(A)	0.0 dB(A)	0.0 dB(A)
Leq of each segment	47.6 dB(A)		50.5 dB(A)		42.0 dB(A)		43.3 dB(A)		43.3			43.7 dB(A)		0.0 dB(A)
Total Leq														
Lmax Calculation														
Actual Distance	26.0 m	30.5 m	28.3 m	34.3 m	86.8 m	103.3 m	133.3 m	163.3	211.3	223.3	275.8	238.3 m	253.3 m	0.0 m
Slant Distance	29.7 m	33.7 m	31.6 m	37.1 m	87.9 m	104.2 m	134.0 m	163.8	211.7	223.7	276.1	238.6 m	253.6 m	0.0 m
Distance correction	-0.7 dB(A)	-1.3 dB(A)	-1.0 dB(A)	-1.7 dB(A)	-10.9 dB(A)	-12.4 dB(A)	-14.6 dB(A)	-16.3	-18.6	-19.0	-20.9	-19.6 dB(A)	-20.1 dB(A)	0.0 dB(A)
Speed correction	-1.7 dB(A)	-0.8 dB(A)	-1.7 dB(A)	-0.8 dB(A)	-1.7 dB(A)	-0.8 dB(A)	-0.8 dB(A)	-1.7	-1.7	-1.7	-1.7	-1.7 dB(A)	-3.7 dB(A)	0.0 dB(A)
Points and crossing	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)	0.0	0.0	0.0	0.0	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)
poor track	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0 dB(A)	3.0	3.0	3.0	3.0	3.0 dB(A)	3.0 dB(A)	0.0 dB(A)
Barrier correction	0.0 dB(A)	-14.6 dB(A)	0.0 dB(A)	-14.6 dB(A)	0.0 dB(A)	-14.4 dB(A)	0.0 dB(A)	0.0	0.0	0.0	0.0	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)
Facade correction	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5 dB(A)	2.5	2.5	2.5	2.5	2.5 dB(A)	2.5 dB(A)	0.0 dB(A)
Re-radiated Noise	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0 dB(A)	4.0	4.0	4.0	4.0	4.0 dB(A)	4.0 dB(A)	0.0 dB(A)
Lmax of each train direction	0.0 dB(A)	70.8 dB(A)	0.0 dB(A)	70.3 dB(A)	0.0 dB(A)	59.9 dB(A)	0.0 dB(A)	69.4	67.2	0.0	0.0	66.2 dB(A)	0.0 dB(A)	0.0 dB(A)
Lmax of S/B track														
Lmax of N/B track														
Lmax, combined (distance corrected)														
Horizontal distance from centreline to receiver	20.3 m	24.3 m	20.3 m	24.3 m	19.5 m	22.5 m	12.0 m	25.0	25.0	25.0	25.0	15.0 m	15.0 m	0.0 m
Parapet height	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0 m	2.0	2.0	2.0	2.0	2.0 m	2.0 m	0.0 m
Noise barrier height (above parapet)	0.0 m	3.9 m	0.0 m	3.9 m	0.0 m	3.9 m	0.0 m	0.0	0.0	0.0	0.0	0.0 m	0.0 m	0.0 m
Overall height (with barrier)	2.0 m	5.9 m	2.0 m	5.9 m	2.0 m	5.9 m	2.0 m	2.0	2.0	2.0	2.0	2.0 m	2.0 m	0.0 m
Source height	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9 m	0.9	0.9	0.9	0.9	0.9 m	0.9 m	0.0 m
Railway head height	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56 m	0.56	0.56	0.56	0.56	0.56 m	0.56 m	0.00 m
Railway head to parapet	2.05 m	1.13 m	2.05 m	1.13 m	2.05 m	1.13 m	2.05 m	2.05	2.05	2.05	2.05	2.05 m	2.05 m	0.00 m
Centreline to railway head	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8 m	0.8	0.8	0.8	0.8	0.8 m	0.8 m	0.0 m
Parapet to receiver	16.5 m	21.4 m	16.5 m	21.4 m	15.7 m	19.6 m	8.2 m	21.2	21.2	21.2	21.2	11.2 m	11.2 m	0.0 m
Height of effective barrier	0.5 m	4.5 m	0.5 m	4.5 m	0.5 m	4.5 m	0.5 m	0.5	0.5	0.5	0.5	0.5 m	0.5 m	0.0 m
Height of barrier (mPD)	21.7 m	25.6 m	21.8 m	25.7 m	22.0 m	26.0 m	22.3 m	22.3	22.3	22.2	22.2	22.5 m	22.5 m	0.0 m
a	2.1 m	4.6 m	2.1 m	4.6 m	2.1 m	4.6 m	2.1 m	2.1	2.1	2.1	2.1	2.1 m	2.1 m	0.0 m
b	22.3 m	24.5 m	22.2 m	24.4 m	21.5 m	22.7 m	16.1 m	25.8	25.8	25.9	25.9	17.9 m	17.8 m	0.0 m
c	24.2 m	27.5 m	24.1 m	27.5 m	23.4 m	25.9 m	17.7 m	27.9	27.9	27.9	27.9	19.7 m	19.7 m	0.0 m
Path difference (a+b-c)	0.163 m	1.522 m	0.159 m	1.536 m	0.170 m	1.453 m	0.449 m	0.076	0.076	0.078	0.078	0.293 m	0.291 m	0.000 m
Barrier correction (absolute)	0.0 dB(A)	14.6 dB(A)	0.0 dB(A)	14.6 dB(A)	0.0 dB(A)	14.4 dB(A)	0.0 dB(A)	0.0	0.0	0.0	0.0	0.0 dB(A)	0.0 dB(A)	0.0 dB(A)
Slope of a =	0.3	4.0	0.3	4.0	0.3	4.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Slope of b =	0.8	0.5	0.8	0.5	0.9	0.5	1.6	0.6	0.6	0.6	0.6	1.2	1.2	0.0
Zone of the NSR	illuminated	Shadow	illuminated	Shadow	illuminated	Shadow	illuminated	illuminated	illuminated	illuminated	illuminated	illuminated	illuminated	N/A

Table with 9 columns (1-9) and multiple rows of data. Columns represent different locations (1-9). Rows represent various noise assessment parameters such as Reference train noise Lmax, Lmax (ref) to SEL (ref), Input parameters, SEL to Leq, Lmax Calculation, and Zone of the NSR. Values include distances, sound levels in dB(A), and sound power levels in mPD.