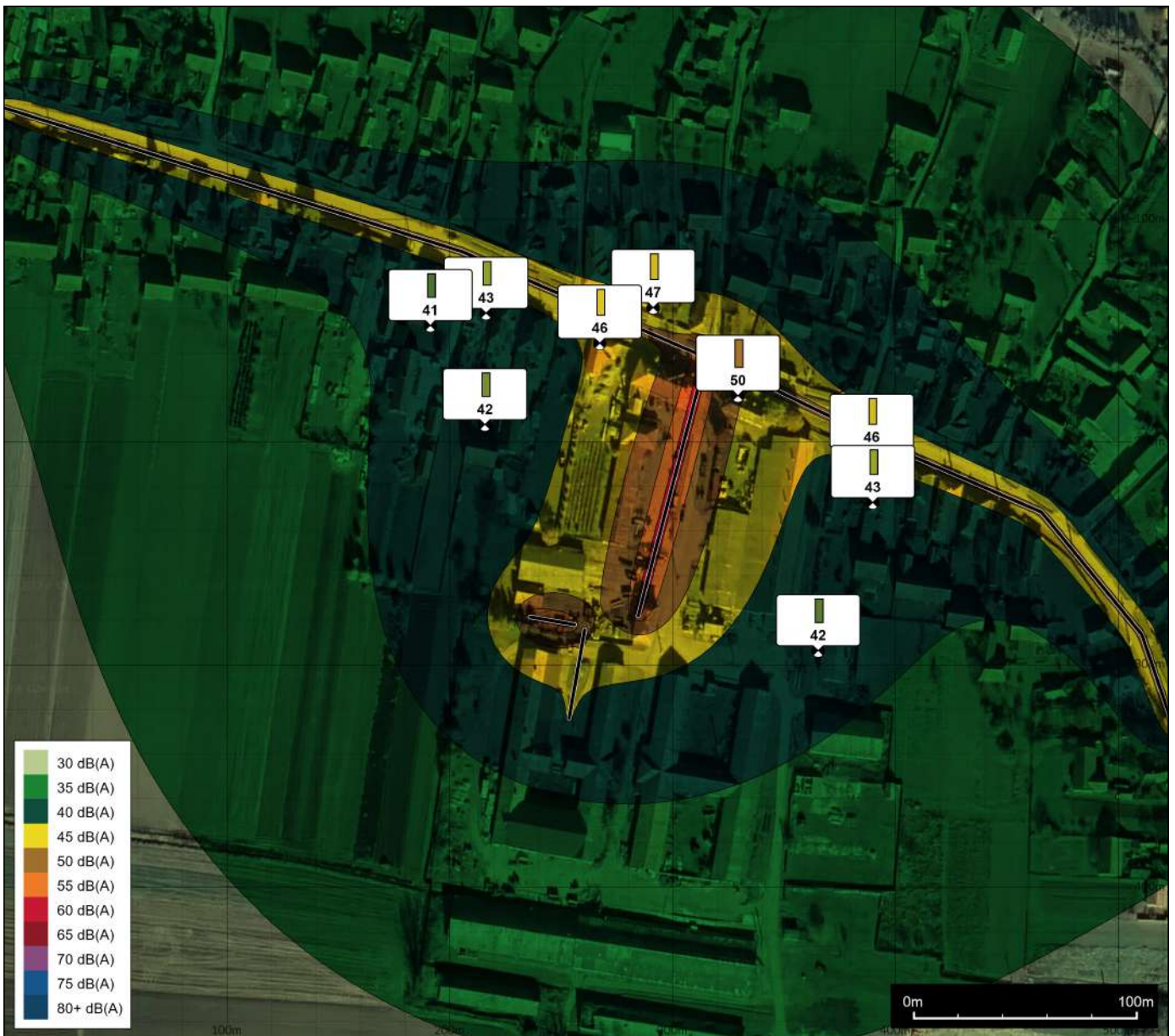


# Noise Mapping Results

## Report

7/6/2024

# Noise Map - Noise map height 1.5m (A-weighted)



## Model Overview



## Receiver Results - Summary

Receiver Name	Height (m)	Total dB(A)	31.5Hz	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Receiver	2	50					50				
Receiver-2	2	46					46				
Receiver-3	2	47					47				
Receiver-4	2	46					46				
Receiver-5	2	43					43				
Receiver-6	2	42					42				
Receiver-7	2	41					41				
Receiver-8	2	42					42				
Receiver-9	2	43					43				

## Sources

Source Name	Height (m)	Total dB	31.5Hz	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Adjust Level
Line	1	52					52					45%
Line-2	1	70					70					35%
Line-3	1	69					69					28%
Line-4	1	59					59					28%

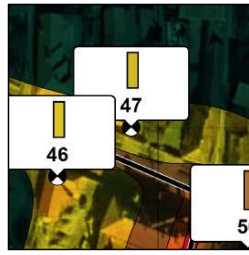
## Receiver Locations



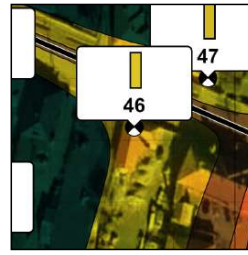
Receiver



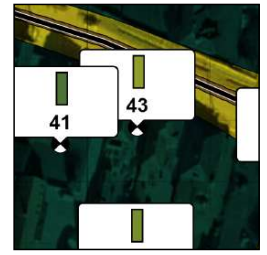
Receiver-2



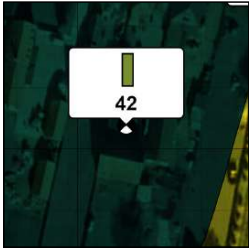
Receiver-3



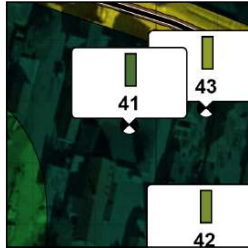
Receiver-4



Receiver-5



Receiver-6



Receiver-7



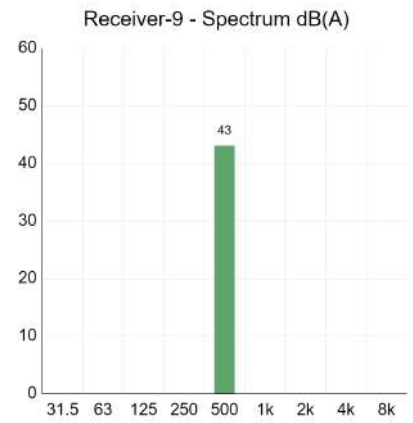
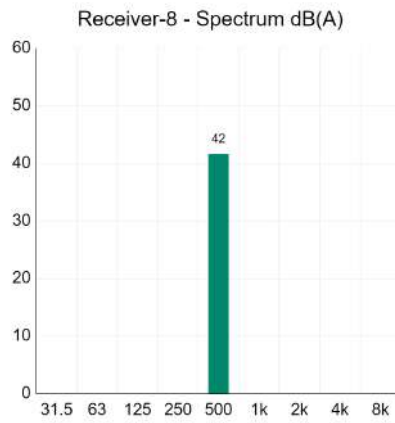
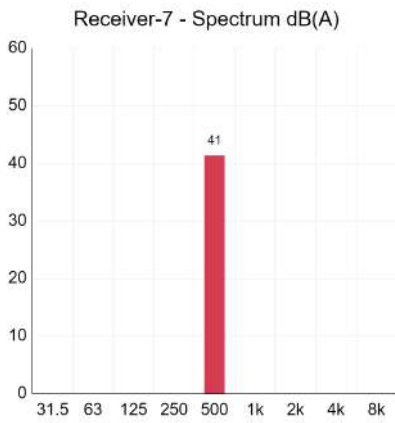
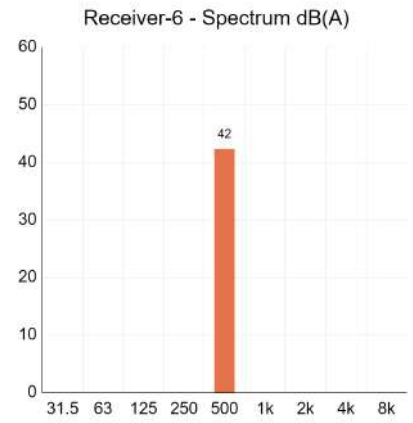
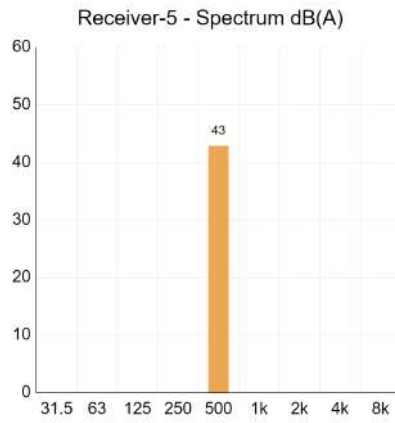
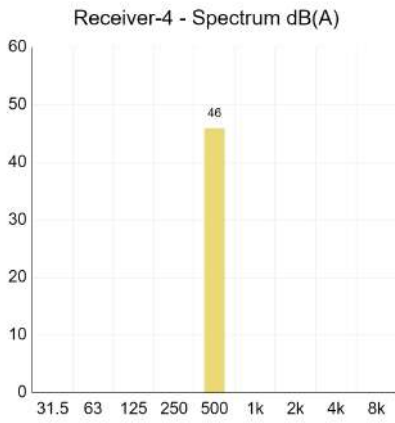
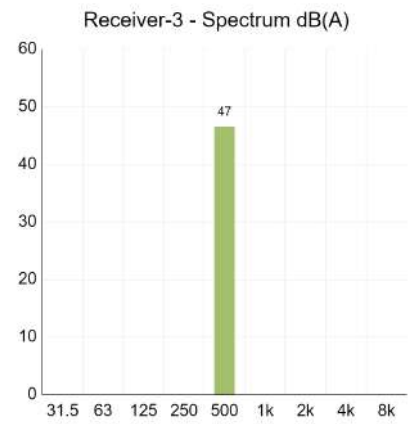
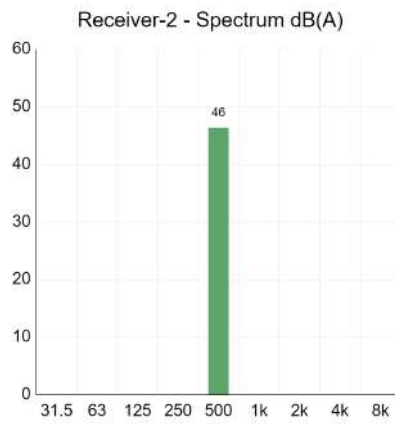
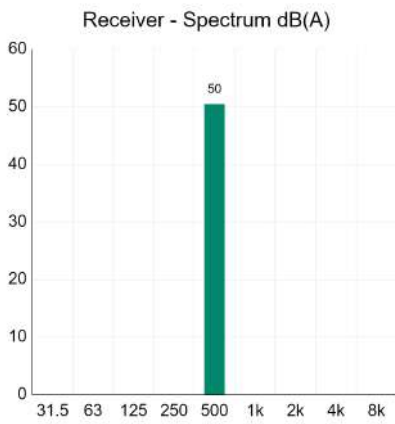
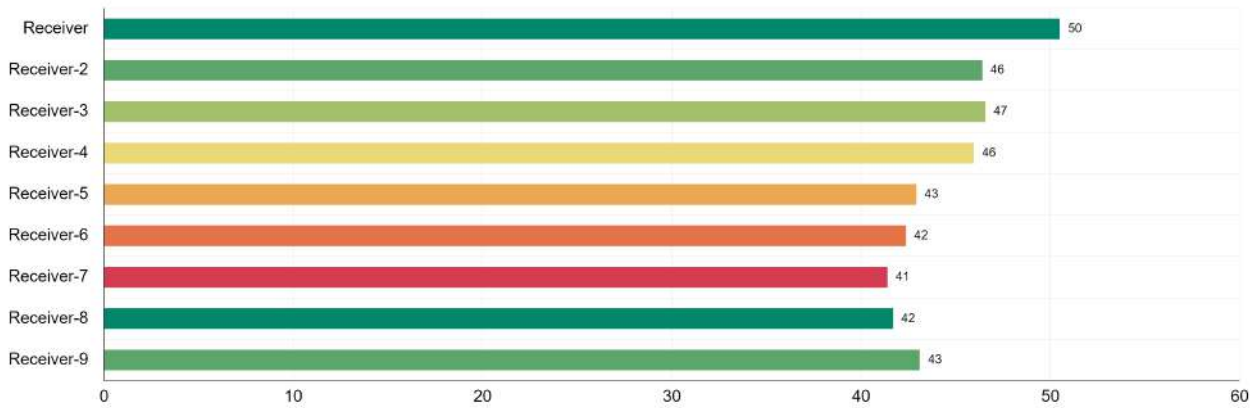
Receiver-8



Receiver-9

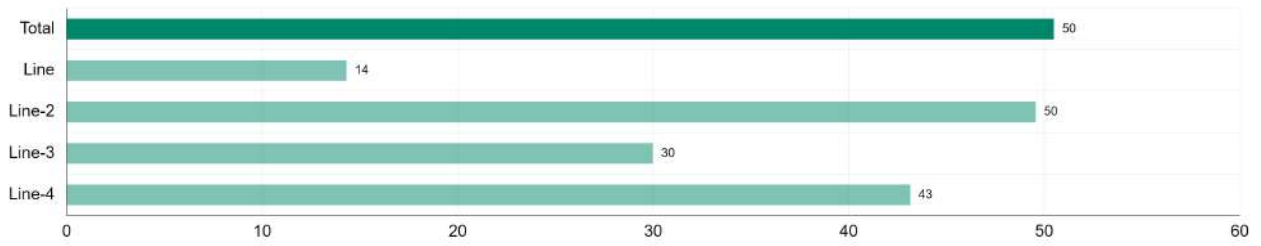
# Receiver Charts

Receiver Results Chart dB(A)

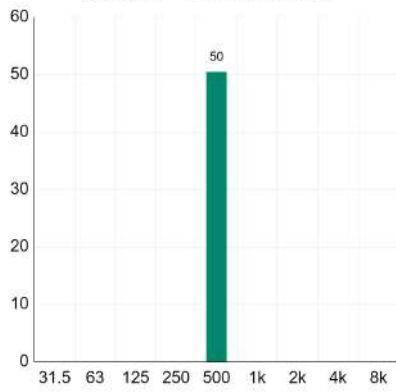


# Receiver

Receiver - Analysis of Sources Chart dB(A)



Receiver - Spectrum dB(A)

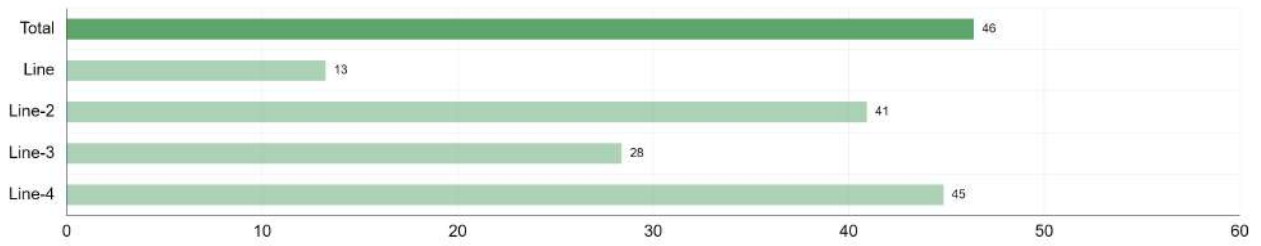


Location

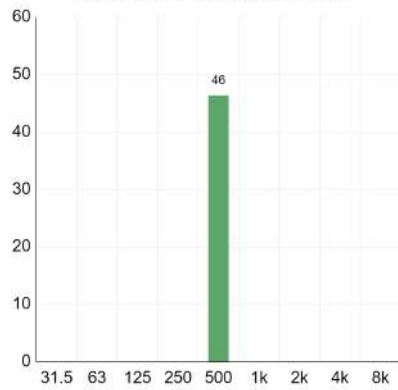


## Receiver-2

Receiver-2 - Analysis of Sources Chart dB(A)



Receiver-2 - Spectrum dB(A)



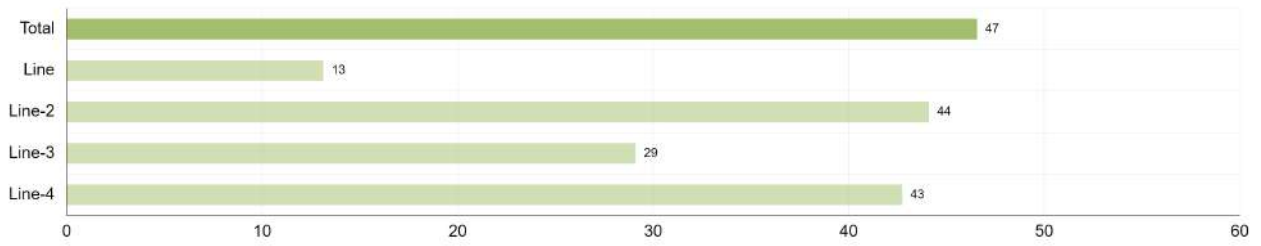
Location



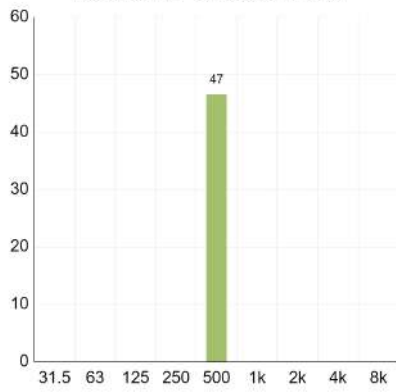


# Receiver-3

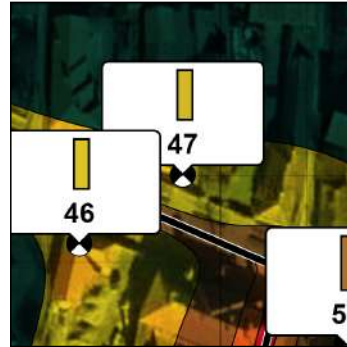
Receiver-3 - Analysis of Sources Chart dB(A)



Receiver-3 - Spectrum dB(A)

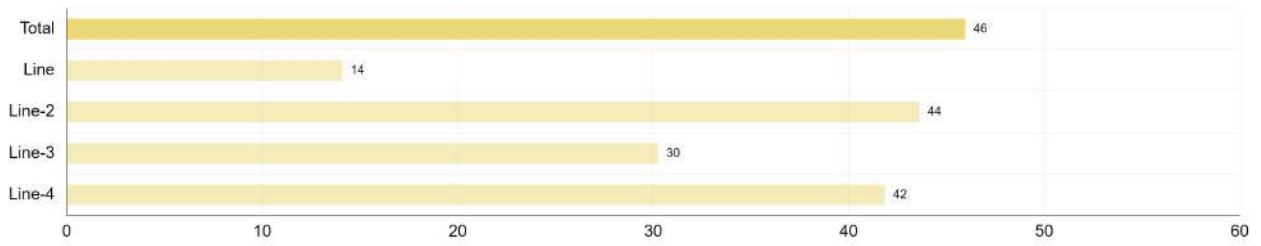


Location

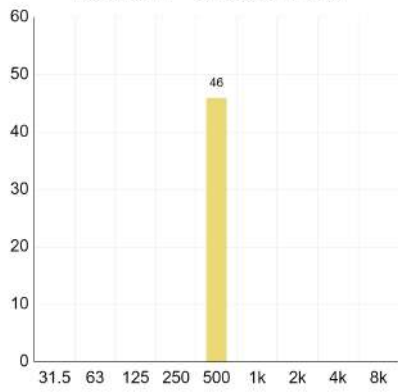


# Receiver-4

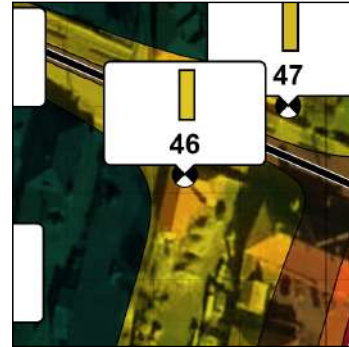
Receiver-4 - Analysis of Sources Chart dB(A)



Receiver-4 - Spectrum dB(A)

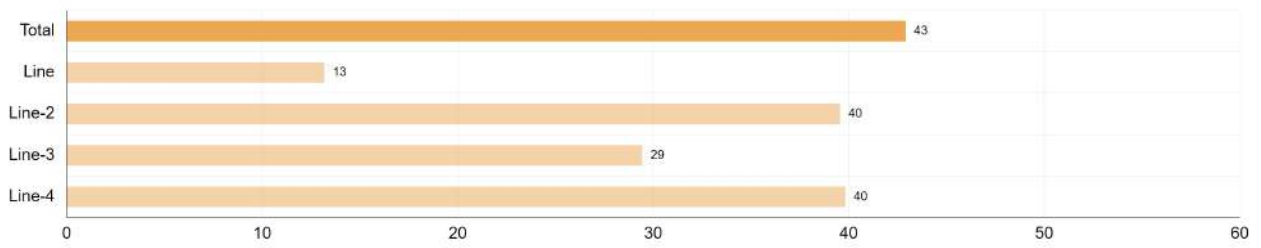


Location

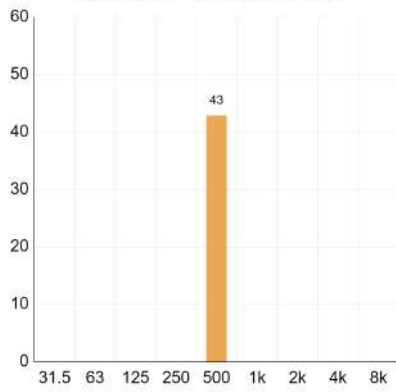


# Receiver-5

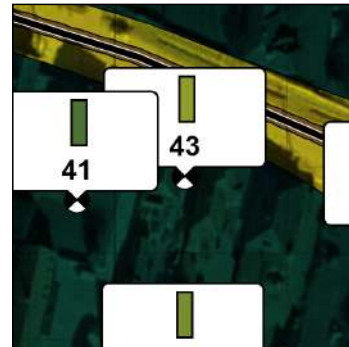
Receiver-5 - Analysis of Sources Chart dB(A)



Receiver-5 - Spectrum dB(A)

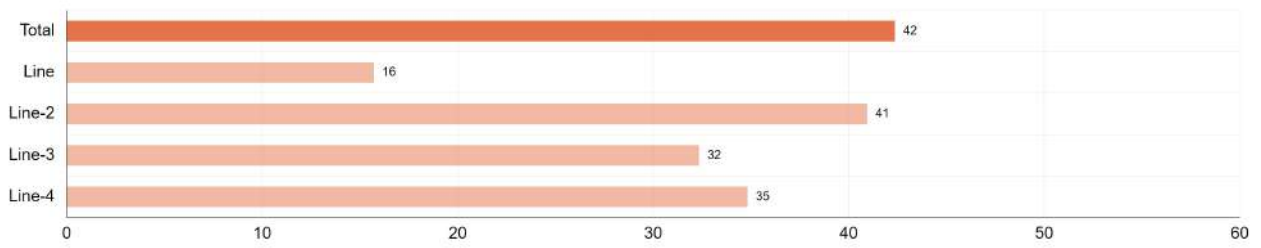


Location

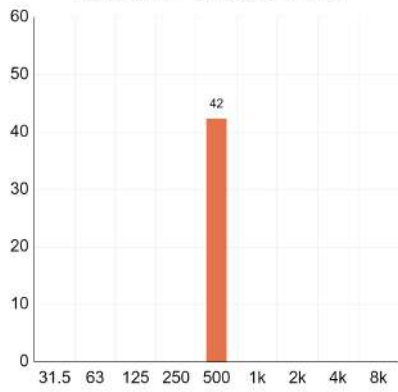


# Receiver-6

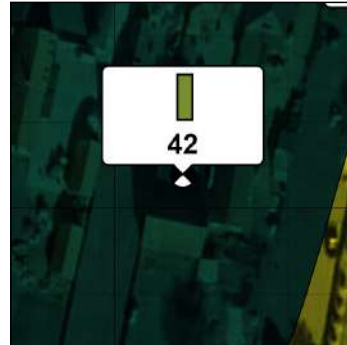
Receiver-6 - Analysis of Sources Chart dB(A)



Receiver-6 - Spectrum dB(A)

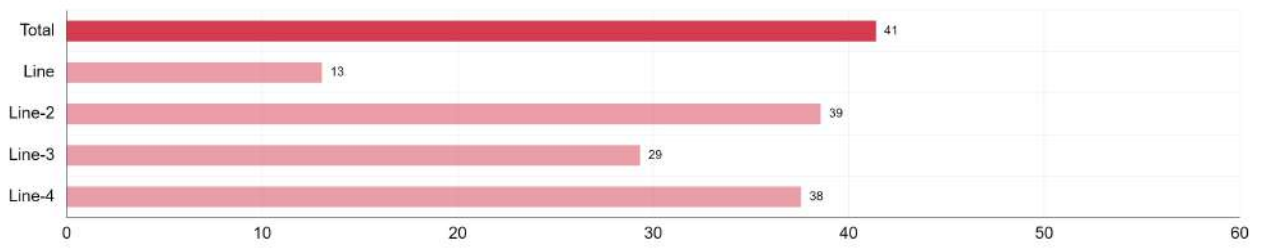


Location

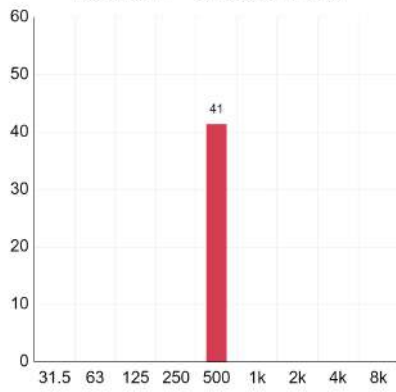


# Receiver-7

Receiver-7 - Analysis of Sources Chart dB(A)



Receiver-7 - Spectrum dB(A)

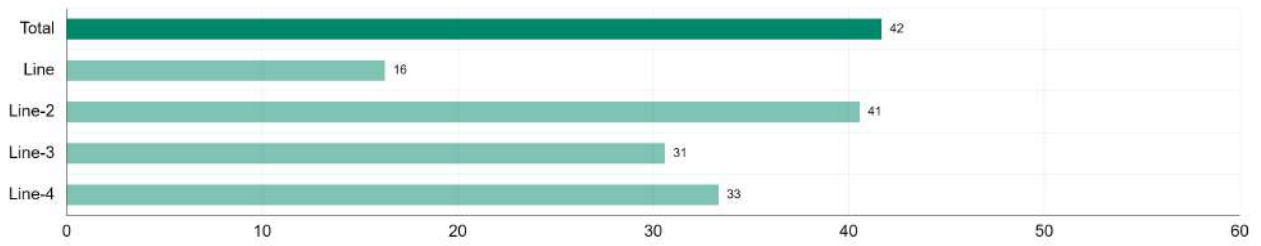


Location

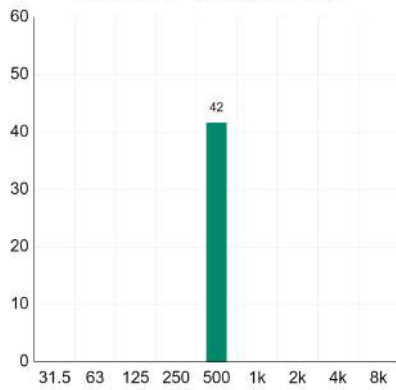


# Receiver-8

Receiver-8 - Analysis of Sources Chart dB(A)



Receiver-8 - Spectrum dB(A)

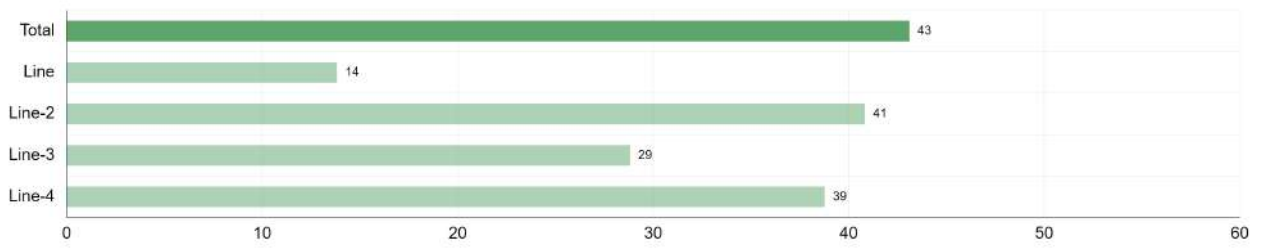


Location

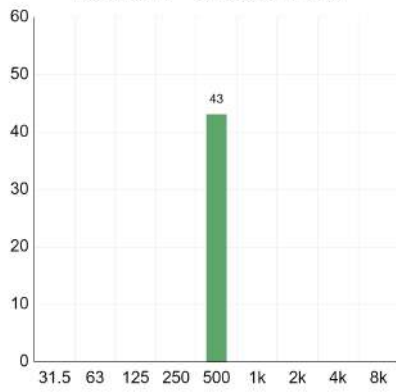


# Receiver-9

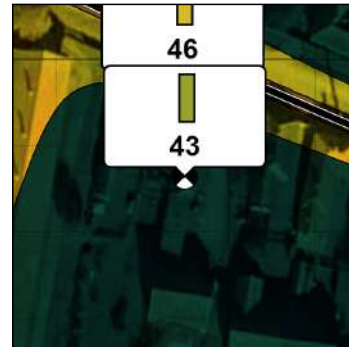
Receiver-9 - Analysis of Sources Chart dB(A)



Receiver-9 - Spectrum dB(A)



Location



## Configuration

Calculation Method ISO96132:2024 (New)

Hard Ground (Ground Factor = 0)

15.0°C Temperature

70% Humidity

Results are A-weighted

Results are rounded to 0 decimal places

Second order reflections are included

Reflections are only considered at a distance of 1m or greater from a reflector (facade level)

ISO9613-2 barrier attenuation limit (20/25dB) is enabled

Vertical edges (lateral paths) are included

Limited to convex paths

Following ISO17534-3 recommendation 5.2

Ground reflections are not screened (as recommended in ISO17534-3 5.3)

## References

ISO 9613-1:1993 — Attenuation of sound during propagation outdoors — Part 1: Calculation of the absorption of sound by the atmosphere

ISO 9613-2:2024 — Attenuation of sound during propagation outdoors — Part 2: Engineering method for the prediction of sound pressure levels outdoors

ISO/TR 17534-3:2015 — Acoustics — Software for the calculation of sound outdoors — Part 3: Recommendations for quality assured implementation of ISO 9613-2 in software according to ISO 17534-1. Quality Assurance and Test Cases:  
<https://dbmap.net/iso17534results>