

Noise Mapping Results

Report

January 16, 2025

Map data ©2025 Imagery ©2025 Airbus, CNES / Airbus, Maxar Technologies

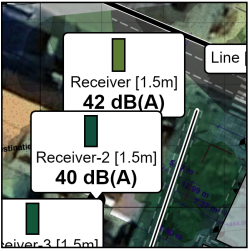
Receiver Results - Summary

Receiver Name	Height (m)	Total dB(A)	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Receiver	2	42				42				
Receiver-2	2	40				40				
Receiver-3	2	39				39				
Receiver-4	2	40				40				
Receiver-5	2	45				45				
Receiver-6	2	41				41				
Receiver-7	2	43				43				

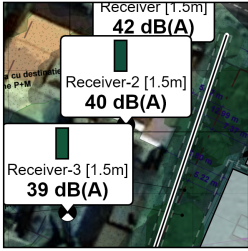
Sources

Source Name	Height (m)	Total dB	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
Line	1	60				60				
Line-2	1	60				60				
Line-3	1	60				60				
Line-4	1	60				60				

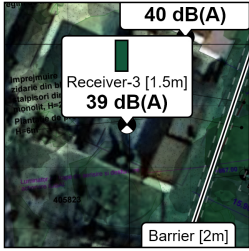
Receiver Locations



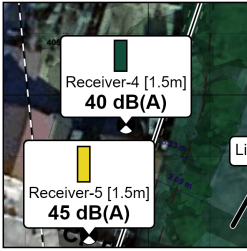
Receiver



Receiver-2



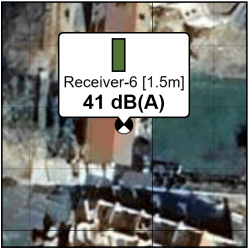
Receiver-3



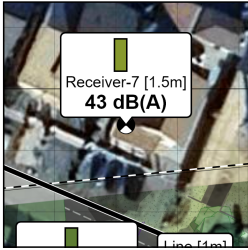
Receiver-4



Receiver-5

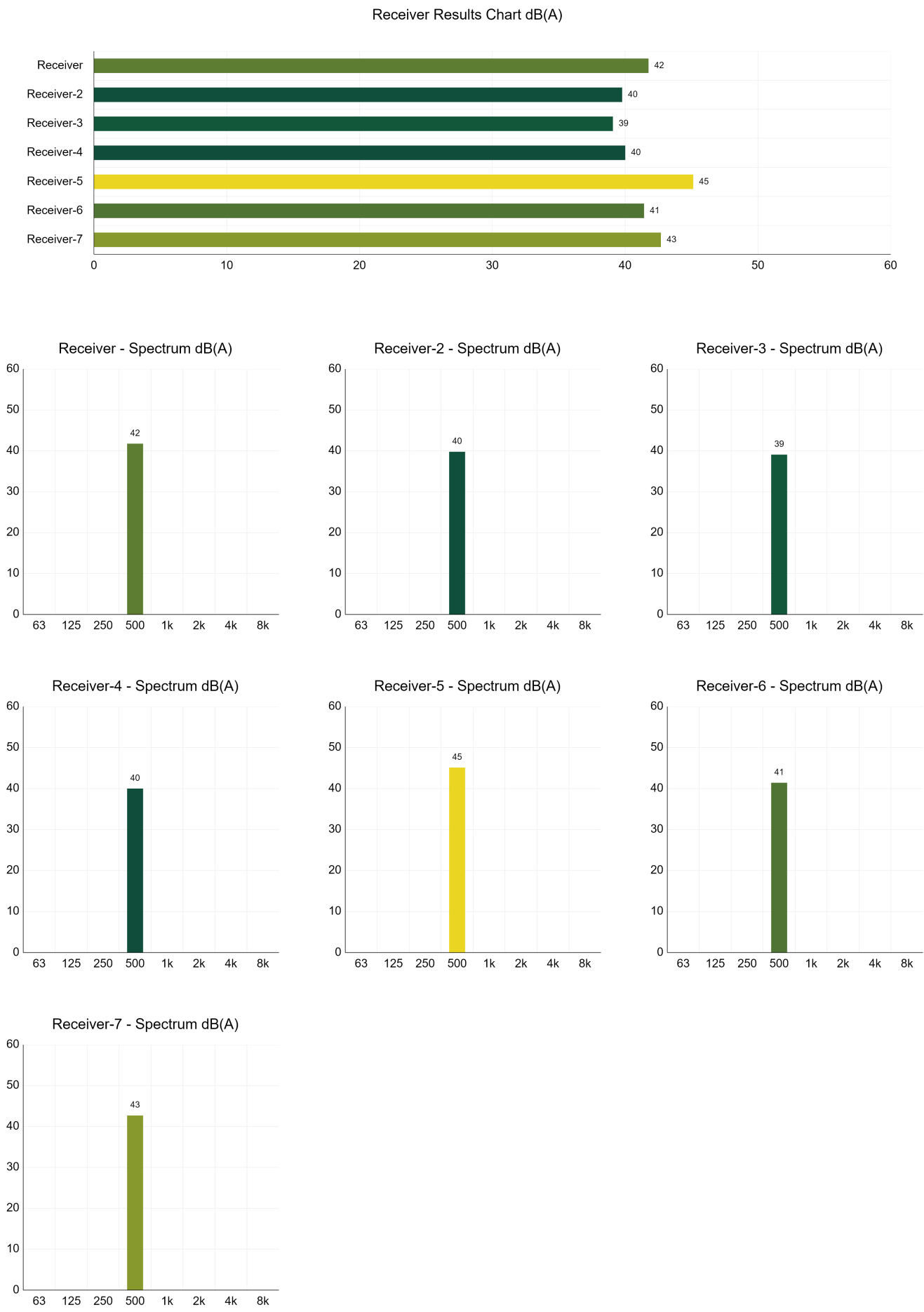


Receiver-6



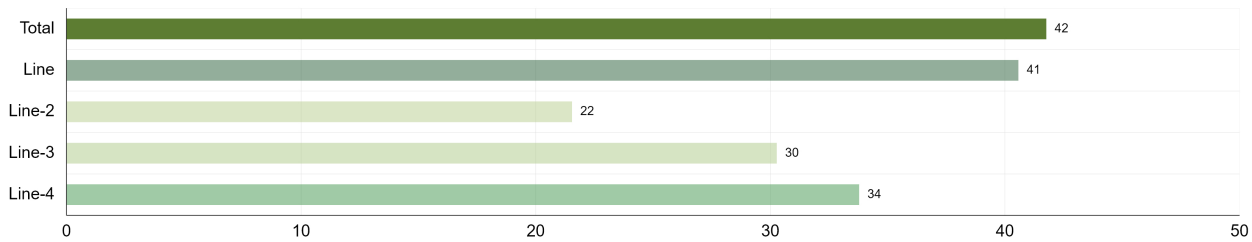
Receiver-7

Receiver Charts

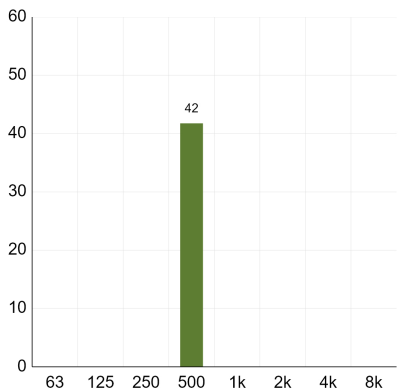


Receiver

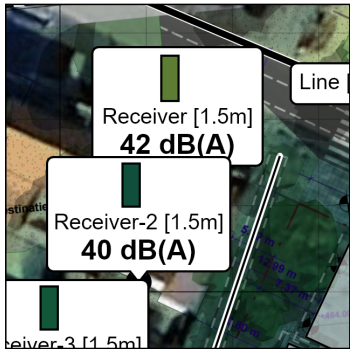
Receiver - Analysis of Sources Chart dB(A)



Receiver - Spectrum dB(A)

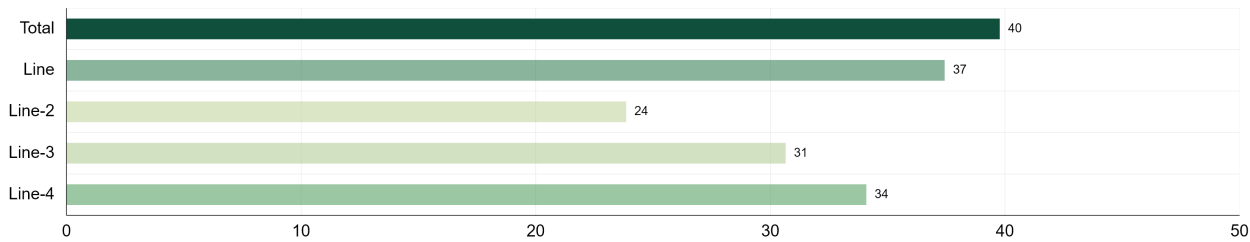


Location

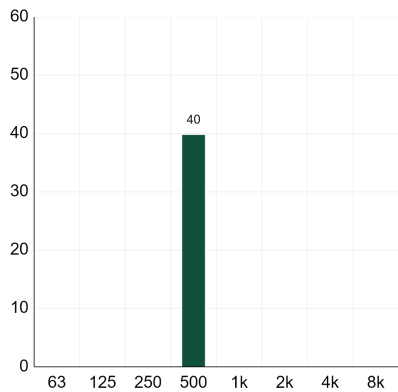


Receiver-2

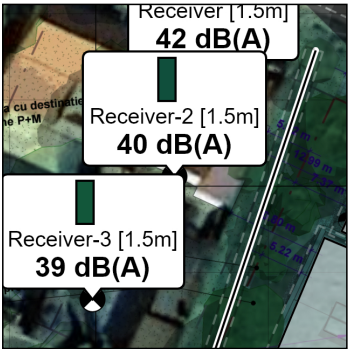
Receiver-2 - Analysis of Sources Chart dB(A)



Receiver-2 - Spectrum dB(A)

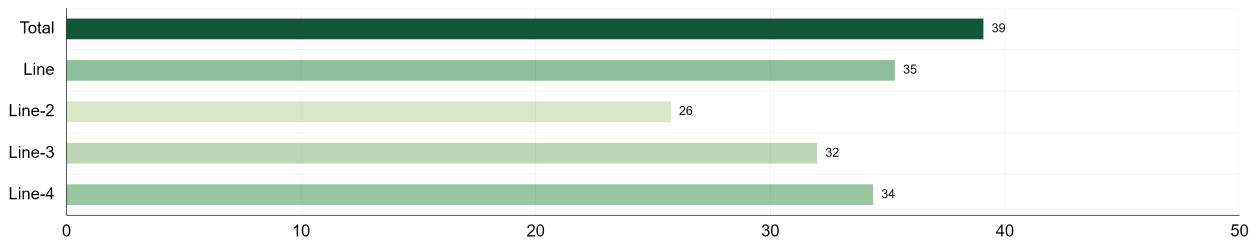


Location

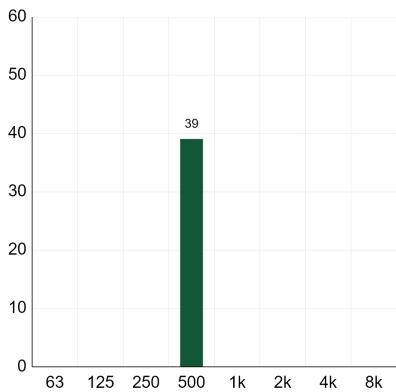


Receiver-3

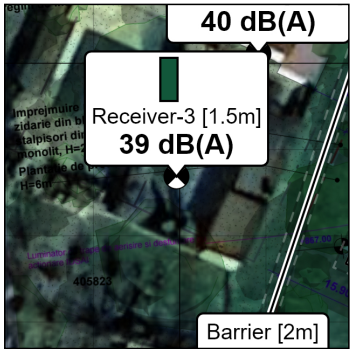
Receiver-3 - Analysis of Sources Chart dB(A)



Receiver-3 - Spectrum dB(A)

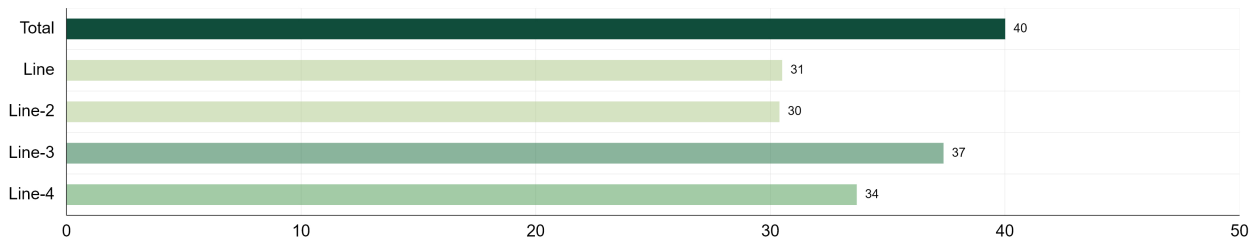


Location

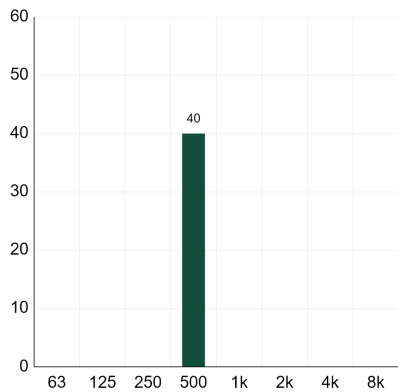


Receiver-4

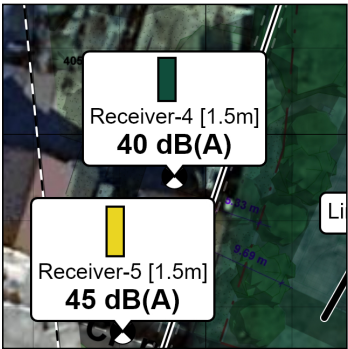
Receiver-4 - Analysis of Sources Chart dB(A)



Receiver-4 - Spectrum dB(A)

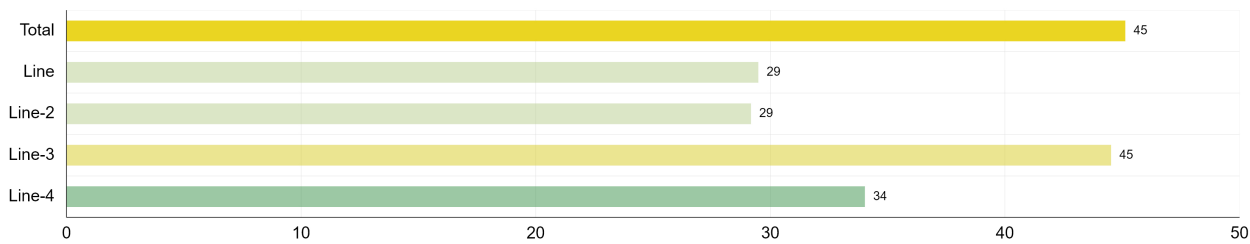


Location

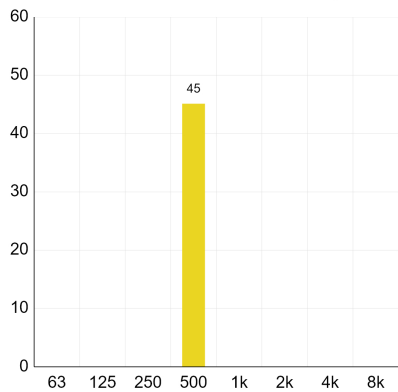


Receiver-5

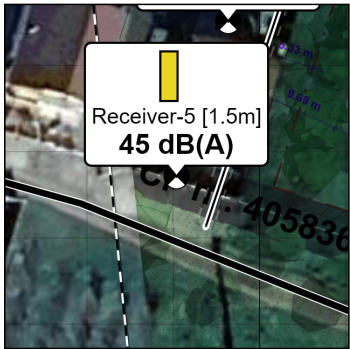
Receiver-5 - Analysis of Sources Chart dB(A)



Receiver-5 - Spectrum dB(A)

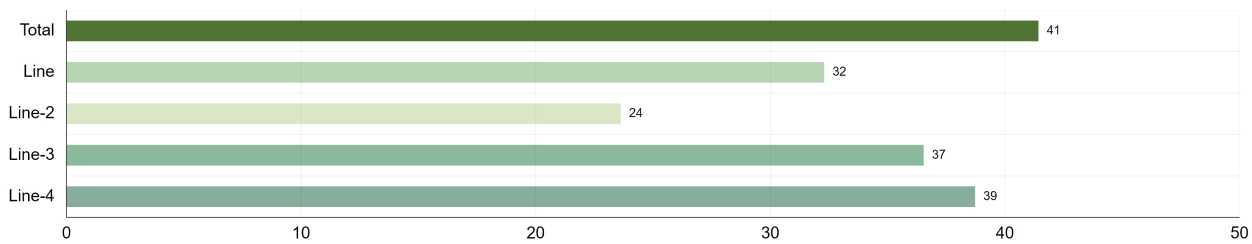


Location

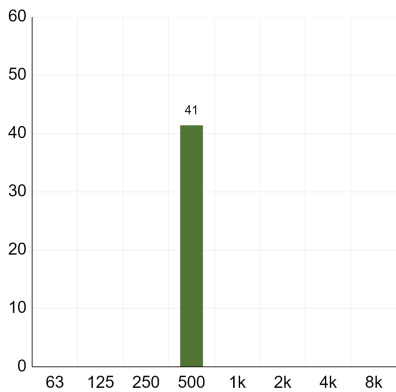


Receiver-6

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



Receiver-6 - Spectrum dB(A)

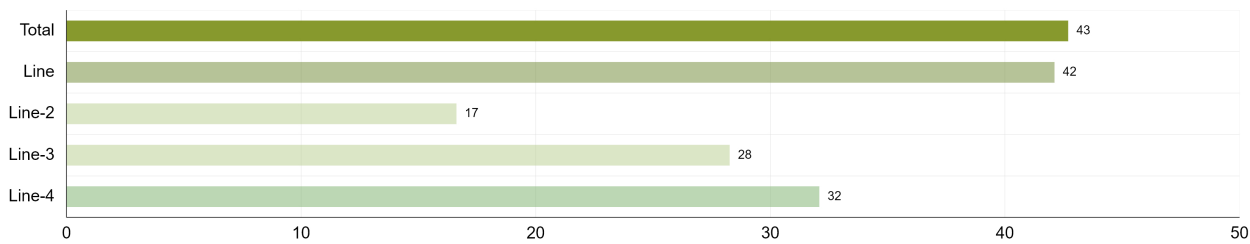


Location

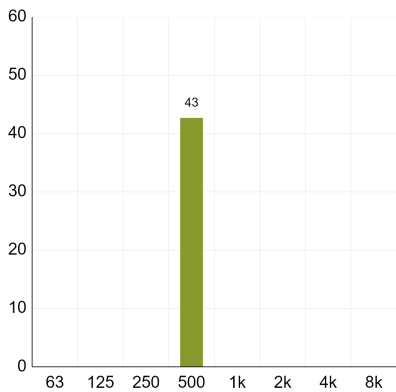


Receiver-7

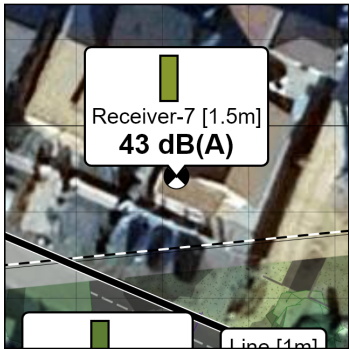
Receiver-7 - Analysis of Sources Chart dB(A)



Receiver-7 - Spectrum dB(A)



Location



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>