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MEASUREMENT OF SPEECH LEVEL REDUCTION

1 CLIENT

Narbutas International UAB, Vygantas Verbilis. Tender February 18, order March 4, 2025.

2 DESCRIPTION OF THE COMMISSION

Speech level reduction $D_{S,A}$ [dB] was measured for Sonus M according to ISO 23351-1:2020.

3 RESULTS

The speech level reduction $D_{S,A}$ was 27.5 dB. The results are presented in detail in Annex 1. The result corresponds to Class **B** according to ISO 23351-1 Annex D.

4 SIGNATURES

A blue ink signature of Valtteri Hongisto.

Valtteri Hongisto
Research Group Leader

A black ink signature of Johann Laukka.

Johann Laukka
Researcher

Turku University of Applied Sciences
Acoustics Laboratory

ANNEXES

1. Test results (1 page)
2. Structure drawings (1 page)
3. Mounting of specimen (1 page)
4. Measurement arrangements (2 pages)

Determination of speech level reduction according to ISO 23351-1:2020

Product: Sonus M with glass back wall
Operating condition: normal, ventilation on
Manufacturer: Narbutas International UAB, Vilnius, Lithuania
Test laboratory: Turku University of Applied Sciences, Acoustics Laboratory
//akustiikka.turkuamk.fi
Name of the operator: Johann Laukka (researcher)
Test date: 13.03.2025

f [Hz]	D [dB]
125	16.4
250	23.4
500	27.1
1000	30.5
2000	31.9
4000	39.6
8000	43.4

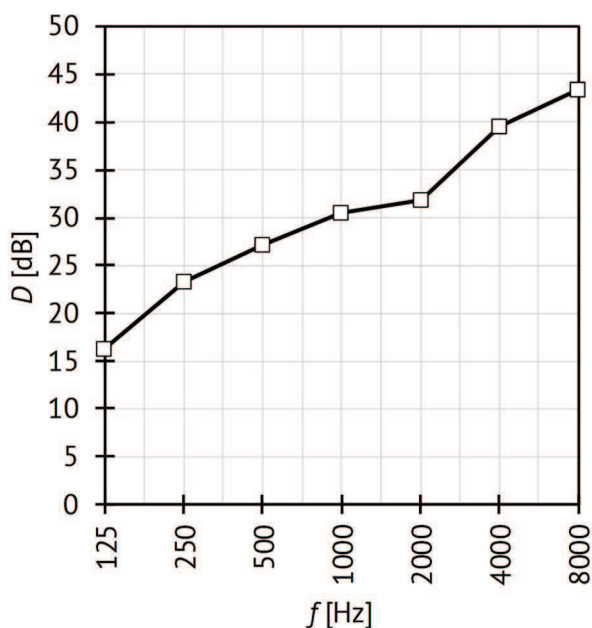
$D_{S,A}$ [dB] 27.5

Class B

f [Hz] is the 1/1-octave frequency band

D [dB] is the level reduction

$D_{S,A}$ [dB] is the speech level reduction



Class	A+	A	B	C	D	Unclassified
$D_{S,A}$ [dB]	>33	>30	>25	>20	>15	≤15