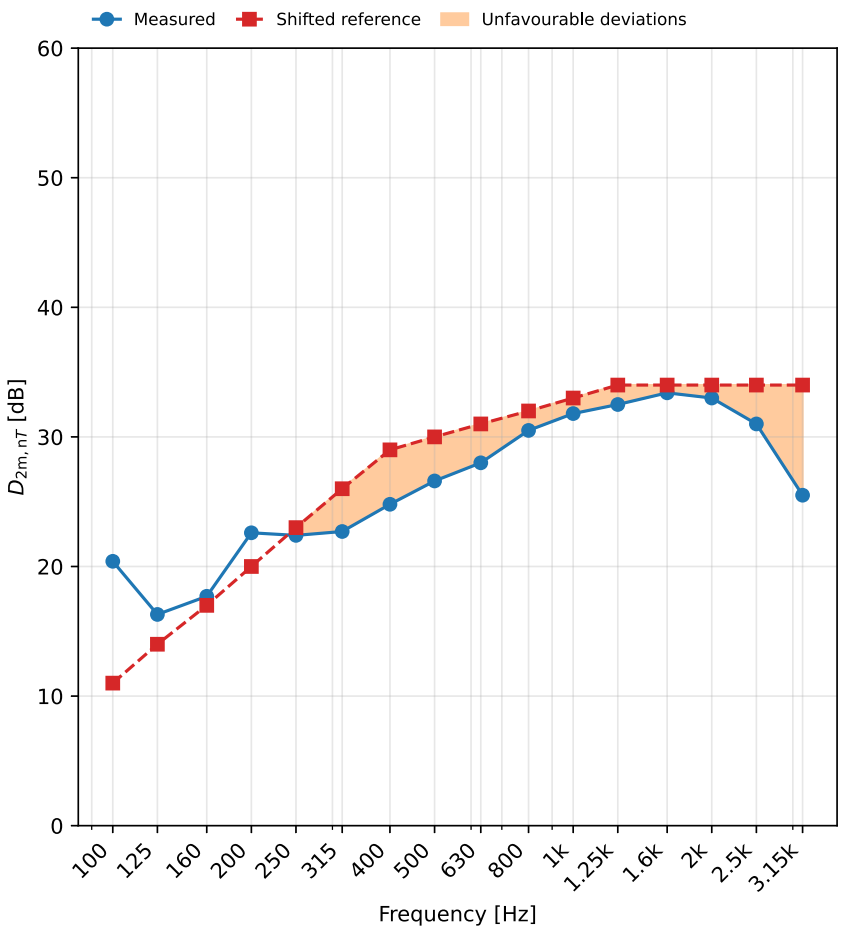
Field facade sound insulation

Standardized facade level difference $D_{2m,nT}$ measured in accordance with ISO 16283-3:2016 (field measurement). Rating per ISO 717-1:2020.

Client:	Example client	Description:	Dwelling facade, loudspeaker method
Test room:	Dwelling living room facing a main road	Date of test:	2026-07-22
Receiving room volume [m^3]:	62.5	Temperature [°C]:	19.8
Relative humidity [%]:	55		

One-third-octave $D_{2m,nT}$ [dB]

Frequency f [Hz]	$D_{2m,nT}$ [dB]
100	20.4
125	16.3
160	17.7
200	22.6
250	22.4
315	22.7
400	24.8
500	26.6
630	28.0
800	30.5
1000	31.8
1250	32.5
1600	33.4
2000	33.0
2500	31.0
3150	25.5



$D_{2m,nT,w}$ (C; C_{tr}) = **30 (-2; -3) dB**

Evaluation based on field measurement using results obtained by an engineering method.

Result vs requirement: $D_{2m,nT,w}$ = 30 dB, required ≥ 30 dB → **PASS**

Laboratory: Phonometry reference example
Report no.: EXAMPLE-16283-3
Date: 2026-07-22
Notes: Field facade sound insulation D2m,nT (ISO 16283-3:2016).
Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.

Generated by phonometry.