

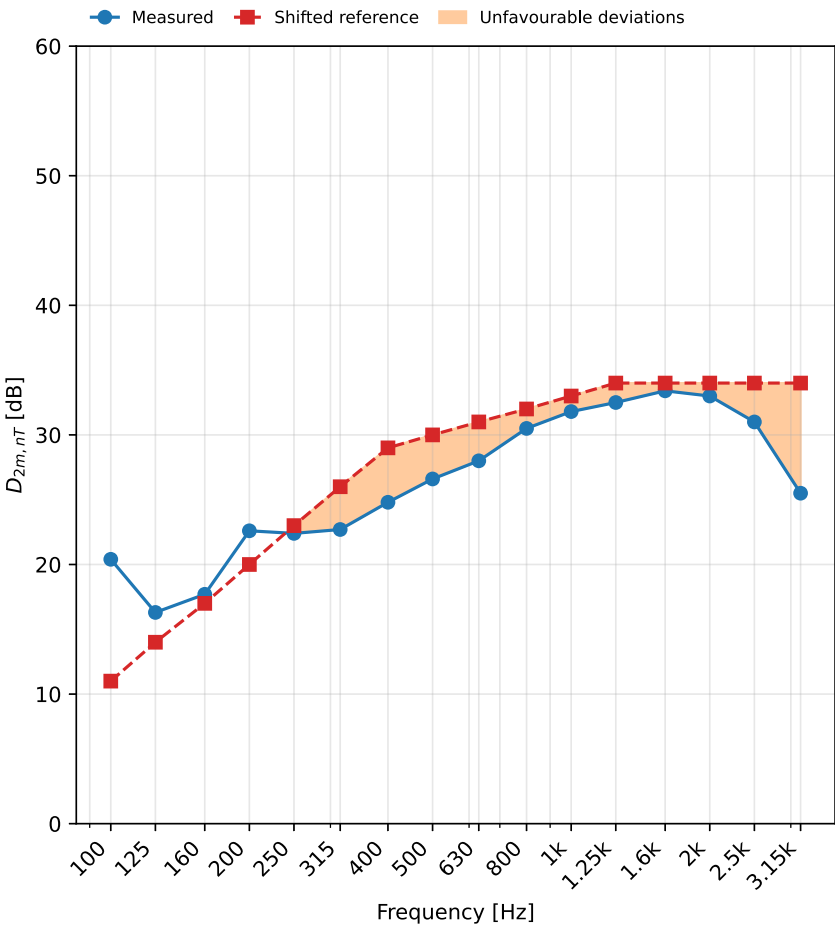
# Field facade sound insulation

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 [m³]: | 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             |



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

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

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

**Laboratory:** Phonometry reference example

**Report no.:** EXAMPLE-16283-3

**Date:** 2026-07-22

**Notes:** Field facade sound insulation  $D_{2m,nT}$  (ISO 16283-3:2016).

Operator: phonometry    Signature: \_\_\_\_\_

■ The results relate only to the tested specimen.

Generated by phonometry.