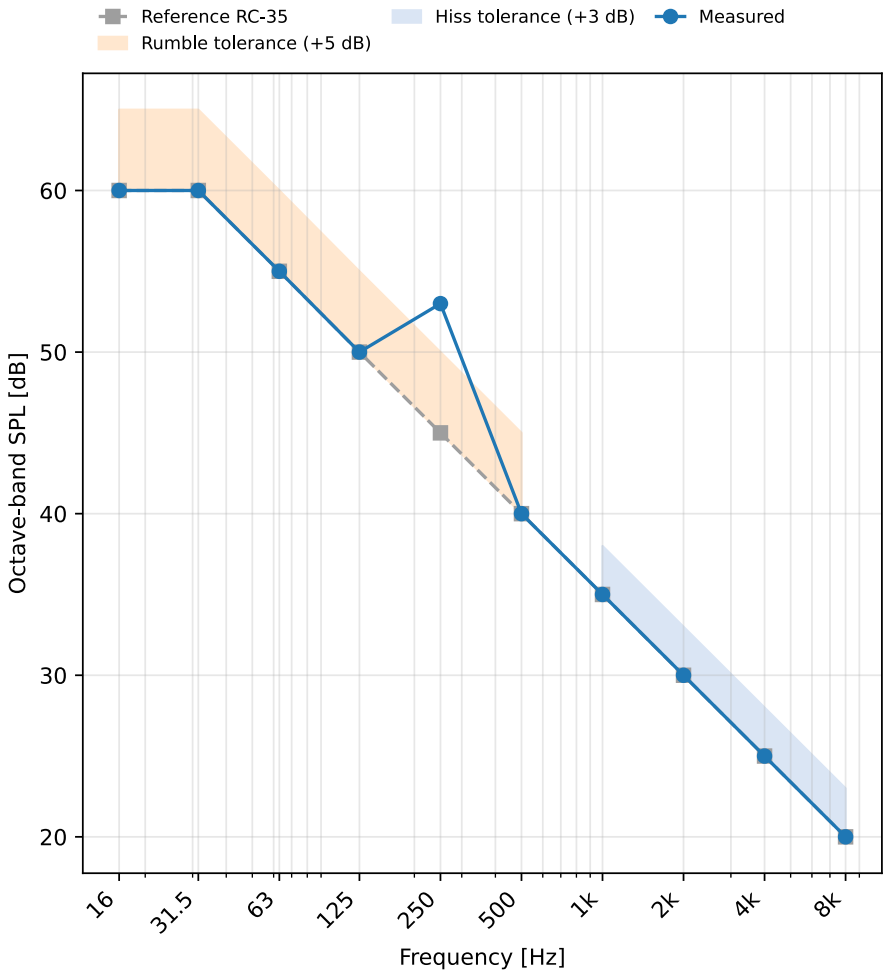
Room noise rating

ANSI/ASA S12.2 octave-band measurement of room noise. Room Criteria Mark II (RC) rating (ANSI/ASA S12.2-2019, Annex D).

Client:	Example client	Room:	Room B (example)
Description:	Conference room, variable-air-volume terminal	Room volume V [m³]:	140
Floor area S [m²]:	48	Instrumentation:	Class 1 sound level meter + octave filter set (example)
Temperature [°C]:	21.5	Relative humidity [%]:	44
Ambient pressure [kPa]:	101	Date of test:	2026-07-21

Octave-band sound pressure levels

Frequency f [Hz]	L_p [dB]
16	60.0
31.5	60.0
63	55.0
125	50.0
250	53.0
500	40.0
1000	35.0
2000	30.0
4000	25.0
8000	20.0



RC-**35**(R)

Mid-frequency average L_{MF} = 35.0 dB
Spectral quality: rumble

Result vs requirement: RC 35, required ≤ 40 → **PASS**

Laboratory: Phonometry reference example
Report no.: EXAMPLE-S122-RC
Date: 2026-07-21
Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.

Generated by phonometry.