

Filter class compliance

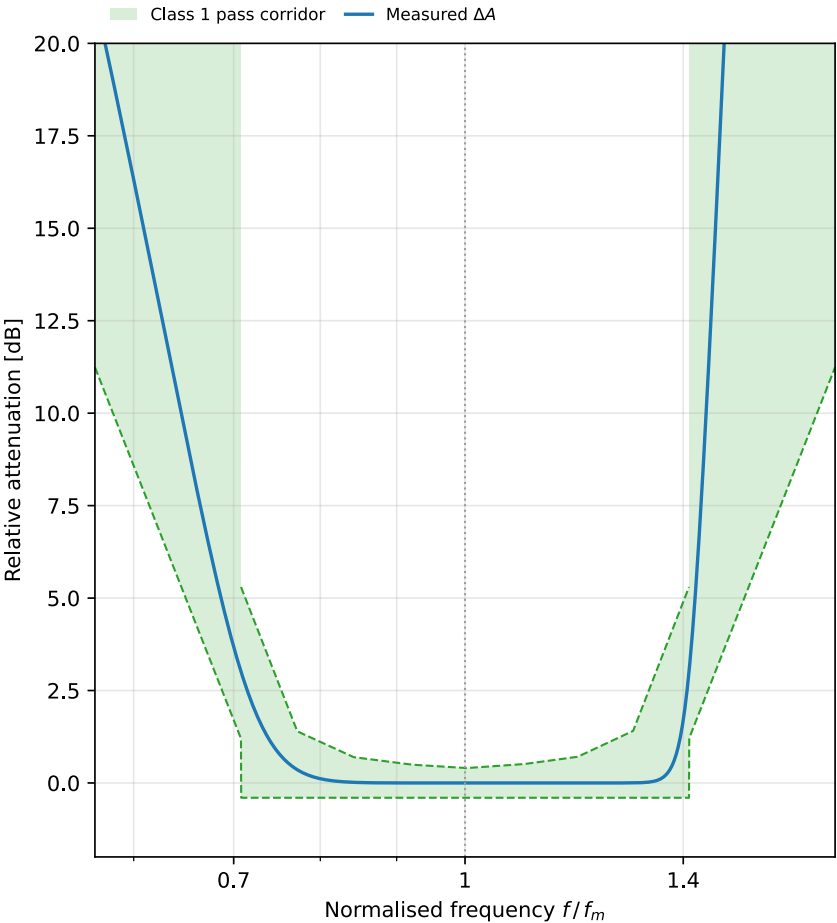
IEC 61260-1:2014 type test. Conformance to IEC 61260-1:2014, Table 1.

Client:	Example client	Filter / instrument:	1/1-octave filter bank
Manufacturer:	Example instruments	Test facility:	Electroacoustics laboratory (example)
Date of test:	2026-07-20		

1/1-octave bank, sampling rate $f_s = 48000$ Hz; relative attenuation referenced to the mid-band level (IEC 61260-1 Formula 8).

Per-band classification

125 Hz	Class 1 (+0.40 dB)
250 Hz	Class 1 (+0.40 dB)
500 Hz	Class 1 (+0.40 dB)
1 kHz	Class 1 (+0.40 dB)
2 kHz	Class 1 (+0.40 dB)
4 kHz	Class 1 (+0.40 dB)



Class 1 - COMPLIES (margin +0.40 dB)

Stop-band limits verified up to each band's processing Nyquist frequency; the multirate anti-aliasing leaves no signal energy beyond it, but the Table 1 limits there are not demonstrated, so the stated class attests the verified frequency range.

Result vs requirement: Achieved class 1, required class 1 → **PASS**

Laboratory: Phonometry reference example

Report no.: EXAMPLE-61260

Date: 2026-07-20

Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.
Generated by phonometry.