Filter class compliance

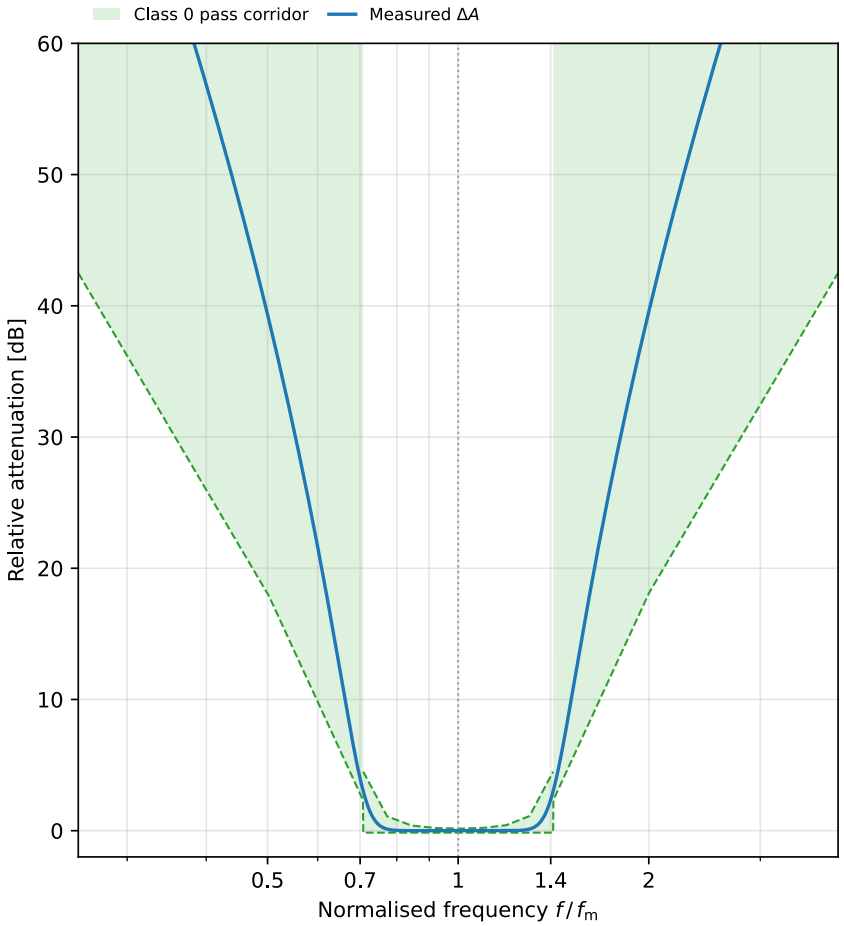
IEC 61260:1995 type test. Conformance to IEC 61260:1995 / ANSI S1.11-2004, Table 1, 4.5.3 and 4.9.

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 61260:1995, 3.14 Note, equation (8)).

Per-band classification

250 Hz	Class 0 (+0.10 dB)
500 Hz	Class 0 (+0.10 dB)
1 kHz	Class 0 (+0.10 dB)
2 kHz	Class 0 (+0.10 dB)
4 kHz	Class 0 (+0.10 dB)



Requirements of IEC 61260:1995, graded as its clause 5 tests them

Relative attenuation (4.4, Table 1)	Class 0 (+0.15 dB)
Filter integrated response (4.5.3)	Class 0 (+0.10 dB), +0.05 to +0.05 dB
Summation of output signals (4.9)	Class 0 (+0.84 dB), +0.00 to +0.16 dB

Class **0** - COMPLIES (margin +0.10 dB)

Stop-band limits verified up to half the sampling frequency, above which a digital filter has no frequency to respond at; the Table 1 limits there are not demonstrated, so the stated class attests the verified frequency range.

Result vs requirement: Achieved class 0, required class 0 → **PASS**

Laboratory: Phonometry reference example
Report no.: EXAMPLE-61260-1995
Date: 2026-07-20
Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.

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