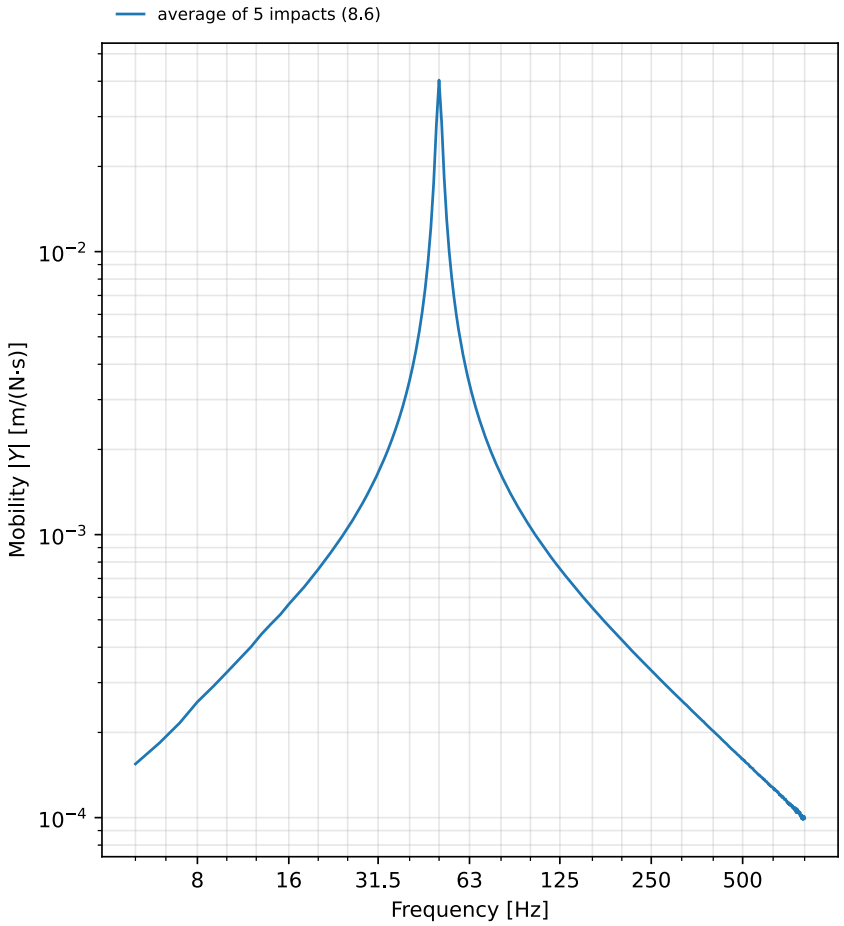
Mechanical mobility by impact excitation

Measurement of the driving-point mechanical mobility Y = v/F by impact excitation, averaged over 5 impacts (ISO 7626-5:2019, 8.6; frequency-response function of ISO 7626-1:2011).

Client:	Example client	Manufacturer:	Example structures
Description:	Machine support bracket (driving point)	Test facility:	Modal-analysis rig (example)
Instrumentation:	Impact hammer with force transducer + accelerometer, force and exponential windows	Date of test:	2026-09-26
Temperature [°C]:	21		

Mobility FRF characteristics

FRF type	driving-point
Frequency range f [Hz]	5 to 800
Peak frequency f [Hz]	50.0
Peak mobility |Y| [m/(N·s)]	0.0404
Phase at peak [°]	–1
Impacts averaged	5
Exponential window a [1/s]	4.6
Coherence at peak	1.000



Peak mobility |Y| = **0.0404 m/(N·s)** at 50.0 Hz

FRF type: driving-point
Frequency range: 5 to 800 Hz
Phase at peak: –1°
Exponential window a = 4.6 1/s: the peaks carry its damping (ISO 7626-5 Annex A)

Laboratory: Phonometry reference example
Report no.: EXAMPLE-7626-5
Date: 2026-09-26
Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.

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