

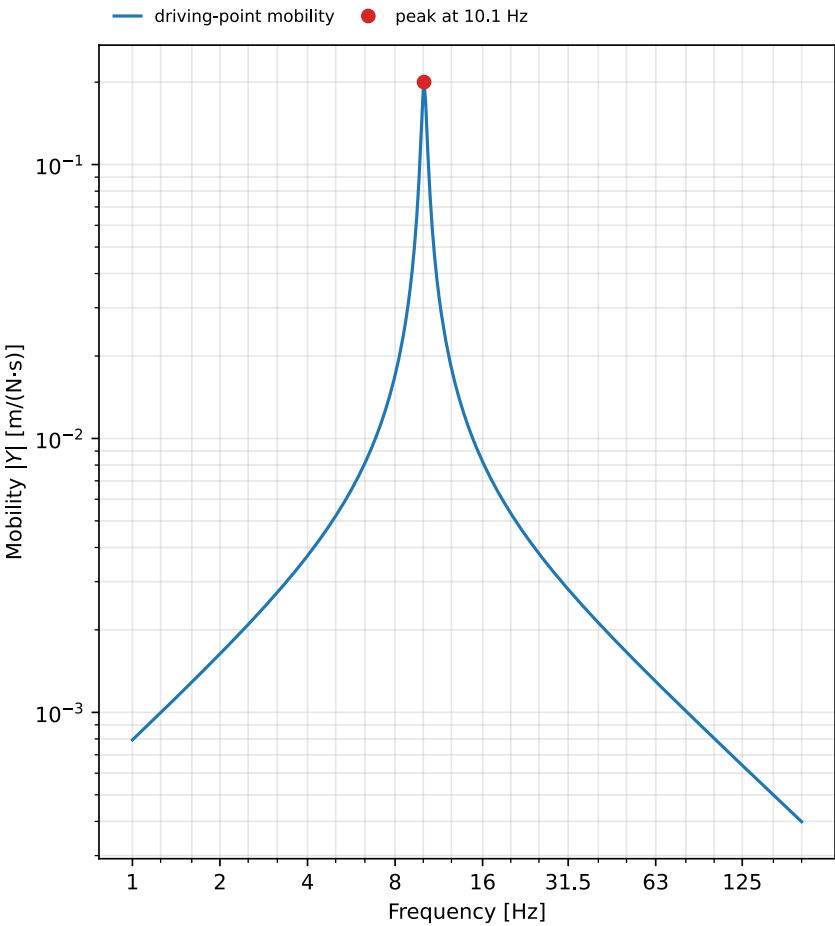
# Mechanical mobility measurement

Measurement of the driving-point mechanical mobility  $Y = v/F$  over frequency (ISO 7626-1:2011 frequency-response function; measurement per ISO 7626-2:2015).

|                   |                                                          |                |                              |
|-------------------|----------------------------------------------------------|----------------|------------------------------|
| Client:           | Example client                                           | Manufacturer:  | Example structures           |
| Description:      | Machine support bracket (driving point)                  | Test facility: | Modal-analysis rig (example) |
| Instrumentation:  | Impact hammer + accelerometer, H1 estimator (ISO 7626-2) | Date of test:  | 2026-07-22                   |
| Temperature [°C]: | 21                                                       |                |                              |

## Mobility FRF characteristics

|                               |               |
|-------------------------------|---------------|
| FRF type                      | driving-point |
| Frequency range $f$ [Hz]      | 1 to 200      |
| Peak frequency $f$ [Hz]       | 10.1          |
| Peak mobility $ Y $ [m/(N·s)] | 0.2           |
| Phase at peak [°]             | 0             |



Peak mobility  $|Y| = 0.2 \text{ m/(N·s)}$  at 10.1 Hz

FRF type: driving-point  
Frequency range: 1 to 200 Hz  
Phase at peak: 0°

**Laboratory:** Phonometry reference example

**Report no.:** EXAMPLE-7626

**Date:** 2026-07-22

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

■ The results relate only to the tested specimen.  
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