

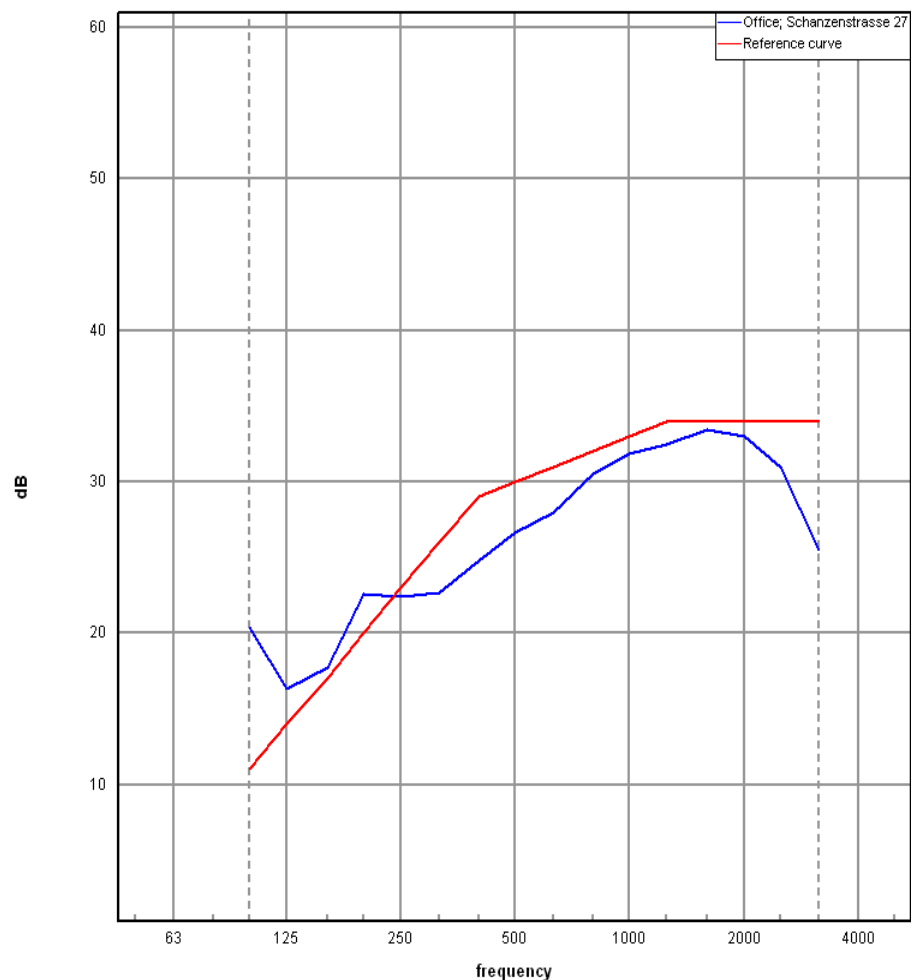
# Report Air sound insulation ISO 16283-1

## Information for room and setup

Room location and description	Office first floor; Schanzenstrasse 27; 01097 Dresden
Area of partition wall	10.0m <sup>2</sup>
Room capacity receiving room	100.0m <sup>3</sup>
Description wall and ceiling	Wallpapered with woodchip wallpaper
Description movable items	Curtains were open
Temperature and relative humidity	21°C 55%
Measurement equipment	AkuLap V2.3; Microphone MTG MV210; Interface ATD-2; Loudspeaker Fostex PA578
Sound signal	Sine-Sweep (Chirp 80Hz-12kHz)
Measurement points	3 measurement points. See attached layout map

## Building sound insulation R' in 1/3-octave bands

frequency [Hz]	R' [dB]
100	20.4
125	16.3
160	17.7
200	22.6
250	22.4
315	22.7
400	24.8
500	26.6
630	28.0
800	30.5
1000	31.8
1250	32.5
1600	33.4
2000	33.0
2500	31.0
3150	25.5



Sound insulation ISO 717-1 R'<sub>w</sub> (C;Ctr): 30 (-2;-3)dB