

Standardized level difference measured in accordance with ISO 16283-1

Field measurements of airborne sound insulation between rooms

Client: Fairview Studio

Date of test: 9 Aug 2019

Site Name: Fairview Studio

Description:

Smart Studio Sound Insulation

Area of common partition:

12 m² Source Room Control Room

Source room volume

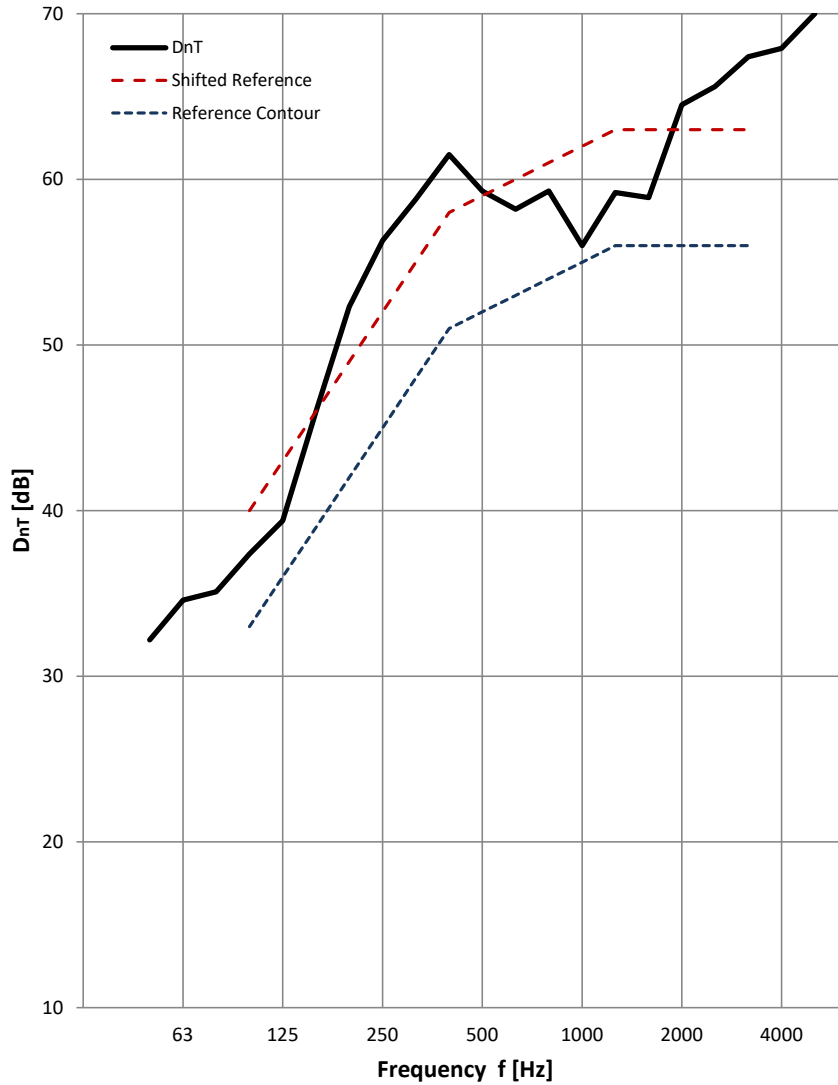
40 m³

Receiving room volume

80 m³ Receive Room Circulation Space



Frequency f Hz	D _{nT} one-third octave dB
50	32.2
63	34.6
80	35.1
100	37.4
125	39.4
160	46.0
200	52.3
250	56.3
315	58.8
400	61.5
500	59.3
630	58.2
800	59.3
1000	56.0
1250	59.2
1600	58.9
2000	64.5
2500	65.6
3150	67.4
4000	67.9
5000	70.0



Rating in accordance with ISO717-1:

D_{nT,w} = 59 dB

C₅₀₋₃₁₅₀ = -2 dB

C₅₀₋₅₀₀₀ = -1 dB

C₁₀₀₋₅₀₀₀ = -1 dB

Evaluation based on field measurement

C_{tr,50-3150} = -10 dB

C_{tr,50-5000} = -10 dB

C_{tr,100-5000} = -6 dB

using results obtained by an engineering method:

No. of test report: 1

Name of test institute: iAcoustics

Date: 14/11/2019

Signature: