Level difference in accordance with ISO 16283-1
Field measurements of airborne sound insulation between rooms

.iNTi

Client: Date of test: 01/06/2023
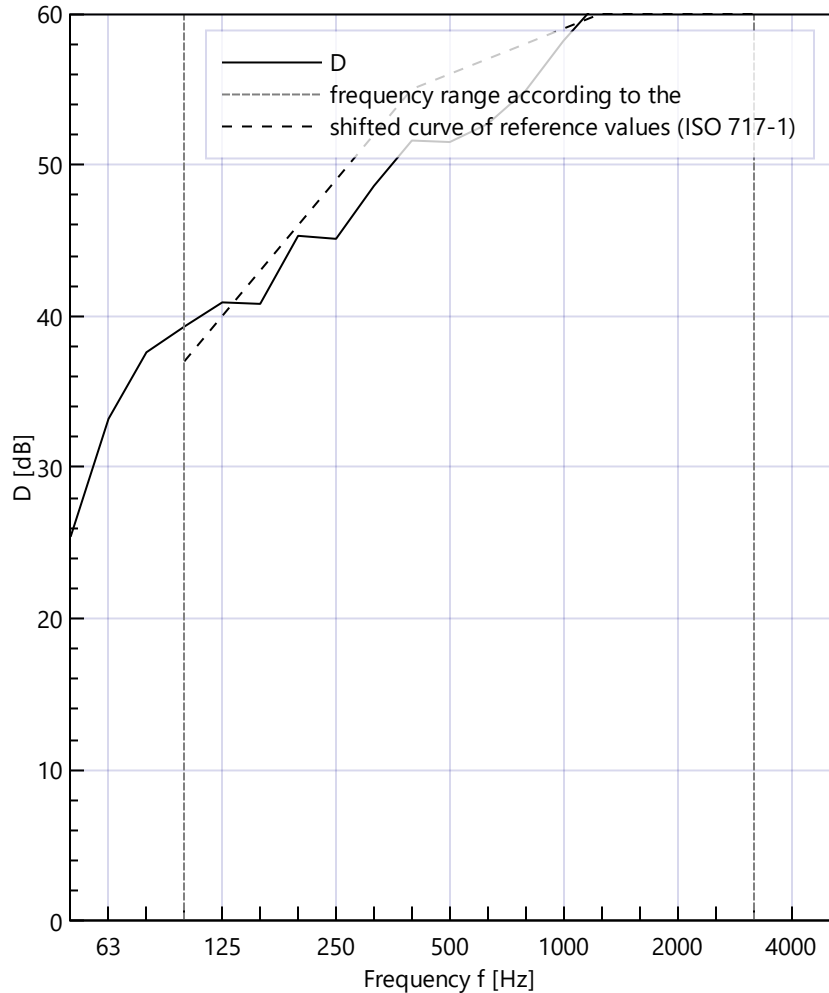
Location:

Bedroom

Sound Level Meter: A2A-20480-E0 (M2230: 10680)

Area of common partition: 40.00 m²

Source room volume: 50.00 m³

Receiving room volume: 50.00 m³

Frequency f Hz	D 1/3 octave dB
50	25.4
63	≥ 33.2
80	37.6
100	39.3
125	40.9
160	40.8
200	45.3
250	45.1
315	48.6
400	51.6
500	51.5
630	52.7
800	54.9
1000	58.2
1250	61.0
1600	62.0
2000	63.3
2500	62.2
3150	63.4
4000	≥ 63.6
5000	≥ 66.1

≥: 1.3 dB correction applied,
value at the limit of measurement

Legend:
— D
······ frequency range according to the
– – – shifted curve of reference values (ISO 717-1)

Axes: D [dB] vs Frequency f [Hz]

Rating in accordance with ISO 717-1:

$D_w(C;C_{tr}) = 56 \ (-1; -5)$ dB

$C_{50-3150} = -2$ dB; $C_{50-5000} = -1$ dB; $C_{100-5000} = 0$ dB

$C_{tr,50-3150} = -9$ dB; $C_{tr,50-5000} = -9$ dB; $C_{tr,100-5000} = -5$ dB

Evaluation based on field measurement using results obtained by an engineering method.

Report No.:   Name:

Date: Signature:

.iNTi

Client:
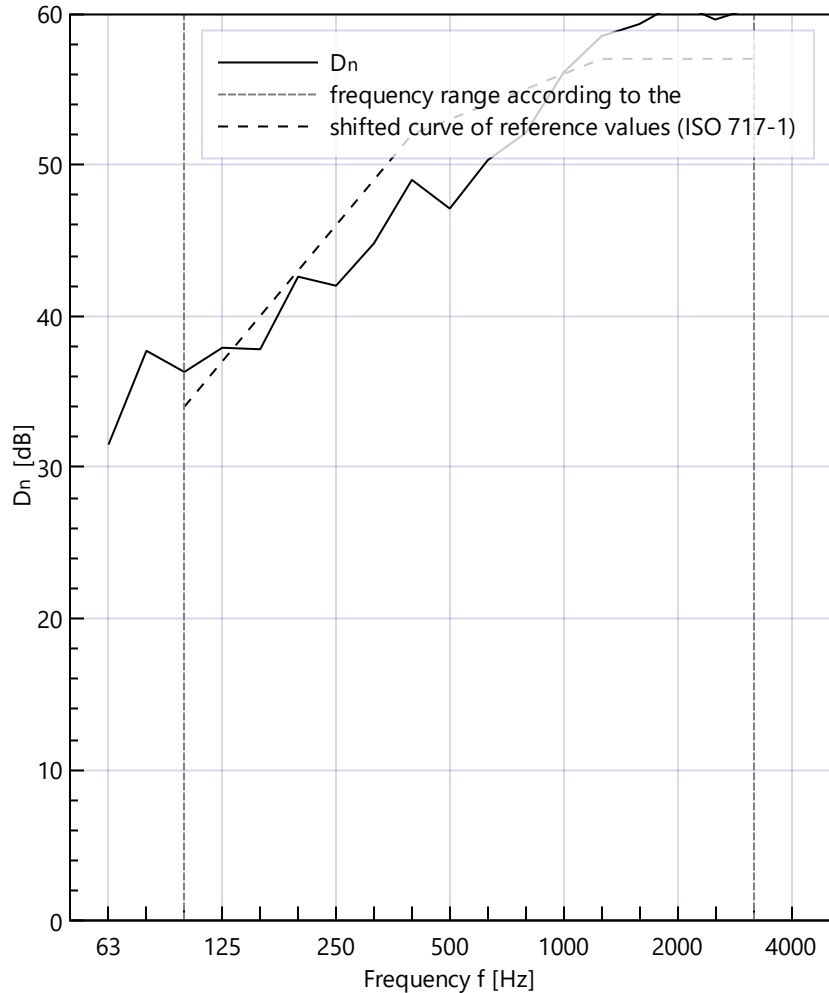
Location:

Bedroom

Date of test: 01/06/2023

Sound Level Meter: A2A-20480-E0 (M2230: 10680)
Area of common partition: 40.00 m²
Source room volume: 50.00 m³
Receiving room volume: 50.00 m³

Frequency f Hz	D_n 1/3 octave dB
50	---
63	≥ 31.5
80	37.7
100	36.3
125	37.9
160	37.8
200	42.6
250	42.0
315	44.8
400	49.0
500	47.1
630	50.3
800	52.1
1000	56.1
1250	58.5
1600	59.3
2000	60.7
2500	59.6
3150	60.4
4000	≥ 60.5
5000	≥ 62.9

≥: 1.3 dB correction applied,
value at the limit of measurement

Rating in accordance with ISO 717-1:

$D_{n,w}(C;C_{tr})$ = 53 (-1; -5) dB

$C_{50-3150}$ = --- dB; $C_{50-5000}$ = --- dB; $C_{100-5000}$ = 0 dB

$C_{tr,50-3150}$ = --- dB; $C_{tr,50-5000}$ = --- dB; $C_{tr,100-5000}$ = -5 dB

Evaluation based on field measurement using results obtained by an engineering method.

Report No.: Name:

Date: Signature:

Standardized level difference in accordance with ISO 16283-1
Field measurements of airborne sound insulation between rooms

.iNTi

Client: Date of test: 01/06/2023
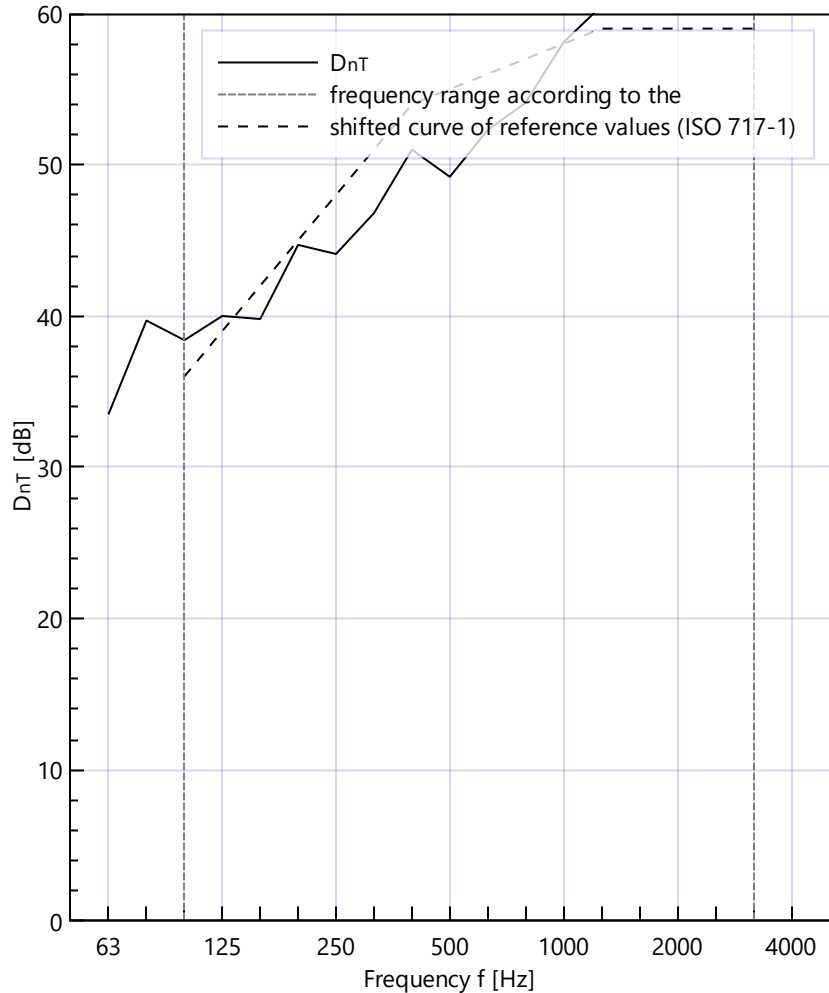
Location:

Bedroom

Sound Level Meter: A2A-20480-E0 (M2230: 10680)

Area of common partition: 40.00 m²

Source room volume: 50.00 m³

Receiving room volume: 50.00 m³

Frequency f Hz	D_{nT} 1/3 octave dB	
50	---	
63	≥	33.5
80		39.7
100		38.4
125		40.0
160		39.8
200		44.7
250		44.1
315		46.8
400		51.0
500		49.2
630		52.3
800		54.1
1000		58.1
1250		60.5
1600		61.3
2000		62.7
2500		61.6
3150		62.4
4000	≥	62.6
5000	≥	64.9

≥: 1.3 dB correction applied,
value at the limit of measurement

Legend:
— D_{nT}
···· frequency range according to the
- - - shifted curve of reference values (ISO 717-1)

Rating in accordance with ISO 717-1:

$D_{nT,w}(C;C_{tr}) = 55\ (-1;\ -5)$ dB

$C_{50-3150} = ---$ dB; $C_{50-5000} = ---$ dB; $C_{100-5000} = 0$ dB

$C_{tr,50-3150} = ---$ dB; $C_{tr,50-5000} = ---$ dB; $C_{tr,100-5000} = -5$ dB

Evaluation based on field measurement using results obtained by an engineering method.

Report No.:   Name:

Date: Signature:

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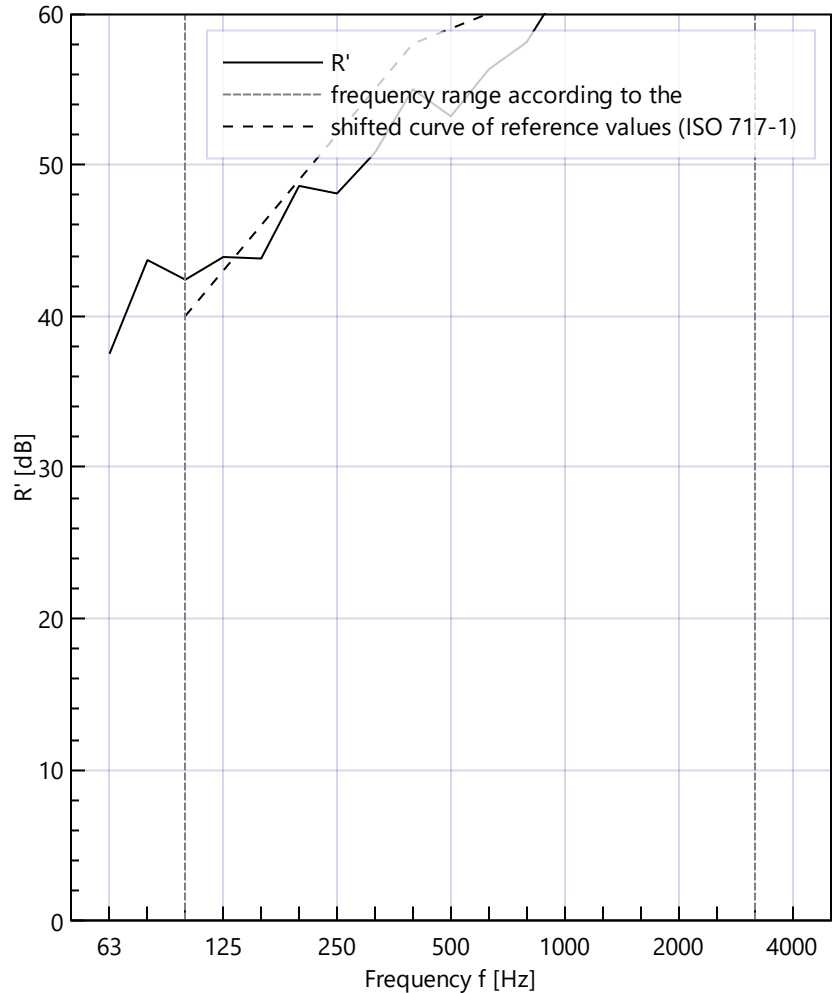
Client: Date of test: 01/06/2023

Location:

Bedroom

Sound Level Meter: A2A-20480-E0 (M2230: 10680)

Area of common partition: 40.00 m²

Source room volume: 50.00 m³

Receiving room volume: 50.00 m³

Frequency f Hz	R' 1/3 octave dB
50	---
63	≥ 37.5
80	43.7
100	42.4
125	43.9
160	43.8
200	48.6
250	48.1
315	50.8
400	55.0
500	53.2
630	56.3
800	58.1
1000	62.1
1250	64.5
1600	65.3
2000	66.7
2500	65.6
3150	66.4
4000	≥ 66.5
5000	≥ 68.9

≥: 1.3 dB correction applied,
value at the limit of measurement

Rating in accordance with ISO 717-1:

$R'_w(C;C_{tr})$ = 59 (-1; -5) dB

$C_{50-3150}$ = --- dB; $C_{50-5000}$ = --- dB; $C_{100-5000}$ = 0 dB

$C_{tr,50-3150}$ = --- dB; $C_{tr,50-5000}$ = --- dB; $C_{tr,100-5000}$ = -5 dB

Evaluation based on field measurement using results obtained by an engineering method.

Report No.: Name:

Date: Signature: