

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



Client:

Date of test: 01/06/2023

Location:

Living room

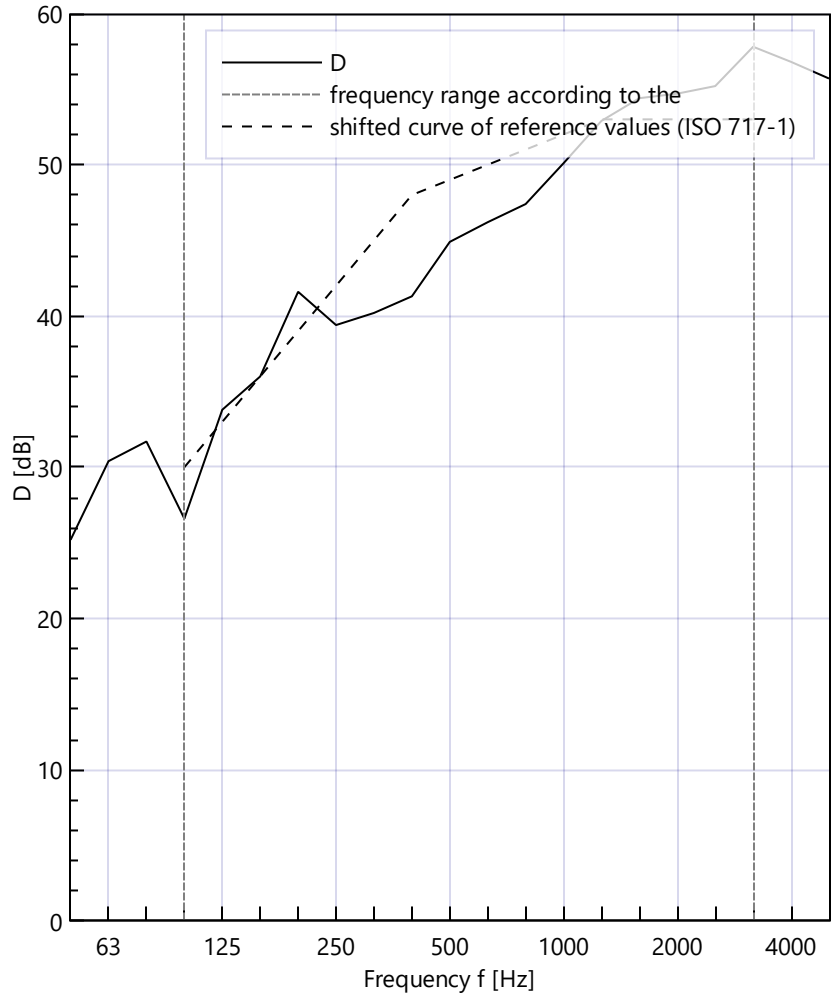
Sound Level Meter: A2A-20480-E0 (M2230: 10680)

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	25.2
63	30.4
80	31.7
100	26.6
125	33.8
160	36.0
200	41.6
250	39.4
315	40.2
400	41.3
500	44.9
630	46.2
800	47.4
1000	50.1
1250	52.9
1600	54.4
2000	54.7
2500	55.2
3150	57.8
4000	56.8
5000	55.7



Rating in accordance with ISO 717-1:

$D_w(C;C_{tr}) = 49 (-2; -6)$ dB

$C_{50-3150} = -2$ dB;

$C_{50-5000} = -1$ dB;

$C_{100-5000} = -1$ dB

$C_{tr,50-3150} = -8$ dB;

$C_{tr,50-5000} = -8$ dB;

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

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

Report No.:

Name:

Date:

Signature:

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



Client:

Date of test: 01/06/2023

Location:

Living room

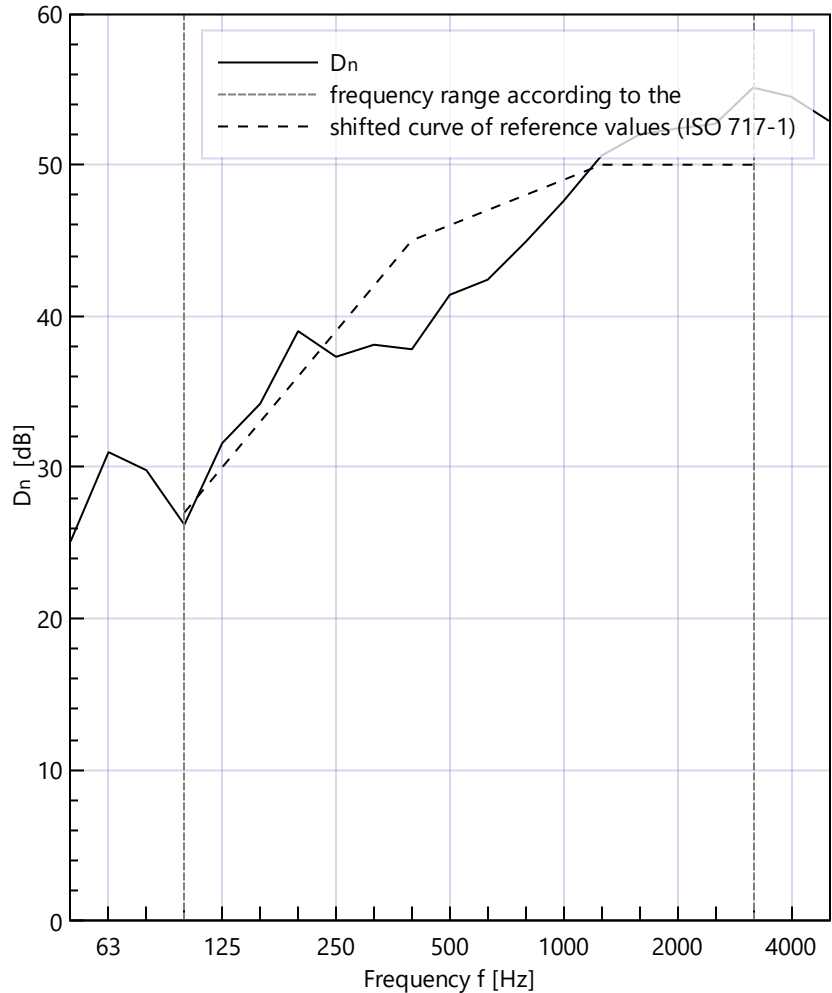
Sound Level Meter: A2A-20480-E0 (M2230: 10680)

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	25.1
63	31.0
80	29.8
100	26.2
125	31.6
160	34.2
200	39.0
250	37.3
315	38.1
400	37.8
500	41.4
630	42.4
800	44.9
1000	47.6
1250	50.6
1600	52.0
2000	52.4
2500	52.7
3150	55.1
4000	54.5
5000	52.9



Rating in accordance with ISO 717-1:

$D_{n,w}(C;C_{tr}) = 46 (-1; -5) \text{ dB}$

$C_{50-3150} = -1 \text{ dB};$

$C_{50-5000} = -1 \text{ dB};$

$C_{100-5000} = 0 \text{ dB}$

$C_{tr,50-3150} = -6 \text{ dB};$

$C_{tr,50-5000} = -6 \text{ dB};$

$C_{tr,100-5000} = -5 \text{ dB}$

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

Report No.:

Name:

Date:

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



Client:

Date of test: 01/06/2023

Location:

Living room

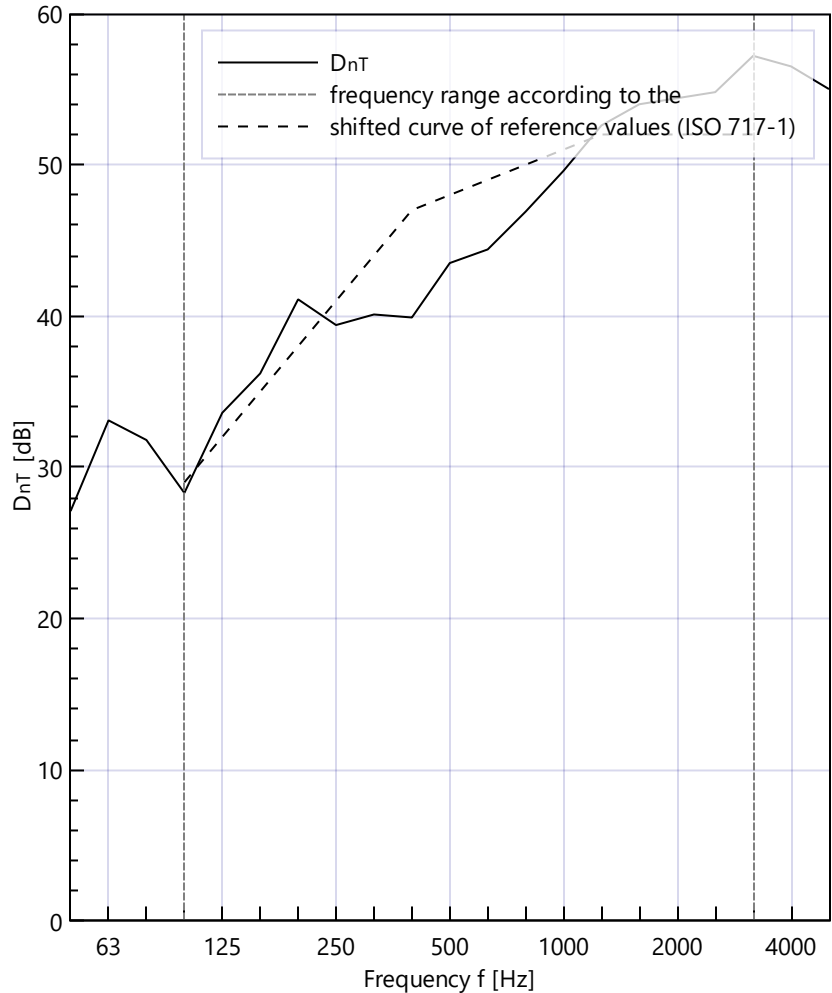
Sound Level Meter: A2A-20480-E0 (M2230: 10680)

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	27.1
63	33.1
80	31.8
100	28.3
125	33.6
160	36.2
200	41.1
250	39.4
315	40.1
400	39.9
500	43.5
630	44.4
800	46.9
1000	49.6
1250	52.6
1600	54.0
2000	54.4
2500	54.8
3150	57.2
4000	56.5
5000	55.0



Rating in accordance with ISO 717-1:

D_{nT,w}(C;C_{tr}) = 48 (-1; -5) dB

C₅₀₋₃₁₅₀ = -1 dB;

C₅₀₋₅₀₀₀ = 0 dB;

C₁₀₀₋₅₀₀₀ = 0 dB

C_{tr,50-3150} = -6 dB;

C_{tr,50-5000} = -6 dB;

C_{tr,100-5000} = -5 dB

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

Report No.:

Name:

Date:

Signature:

Apparent sound reduction index in accordance with ISO 16283-1
Field measurements of airborne sound insulation between rooms



Client:

Date of test: 01/06/2023

Location:

Living room

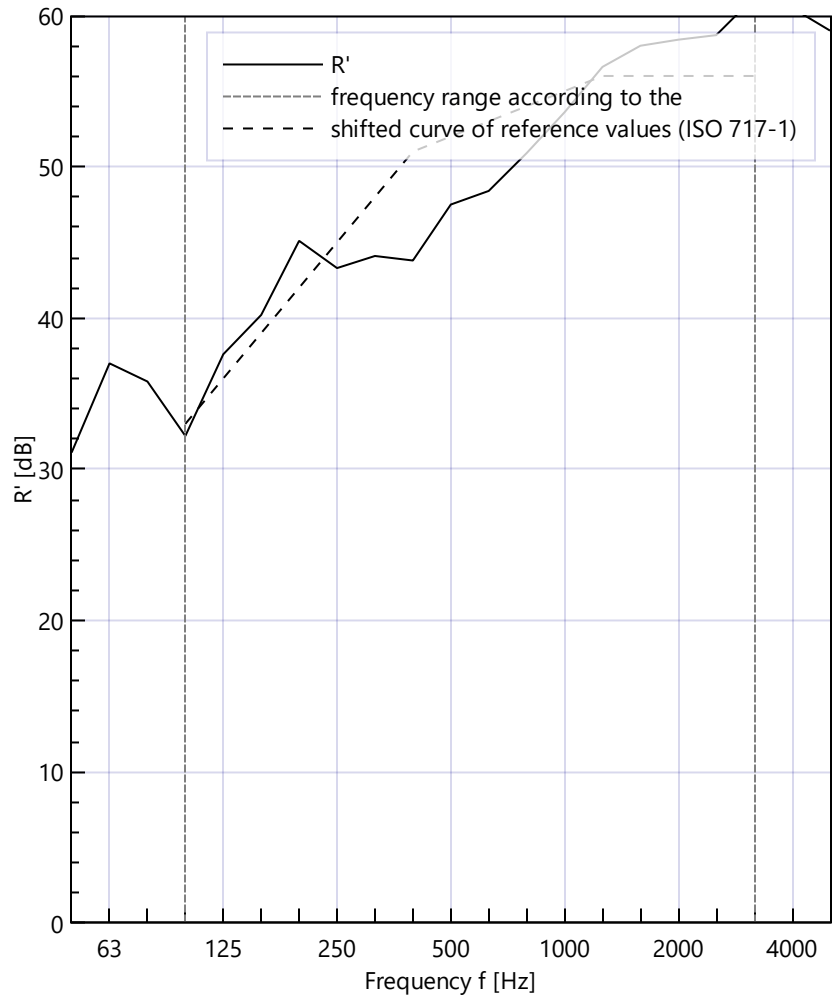
Sound Level Meter: A2A-20480-E0 (M2230: 10680)

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	31.1
63	37.0
80	35.8
100	32.2
125	37.6
160	40.2
200	45.1
250	43.3
315	44.1
400	43.8
500	47.5
630	48.4
800	50.9
1000	53.6
1250	56.6
1600	58.0
2000	58.4
2500	58.7
3150	61.2
4000	60.5
5000	59.0



Rating in accordance with ISO 717-1:

$R'_{w}(C;C_{tr}) = 52 (-1; -5) \text{ dB}$

$C_{50-3150} = -1 \text{ dB};$

$C_{50-5000} = -1 \text{ dB};$

$C_{100-5000} = 0 \text{ dB}$

$C_{tr,50-3150} = -6 \text{ dB};$

$C_{tr,50-5000} = -6 \text{ dB};$

$C_{tr,100-5000} = -5 \text{ dB}$

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

Report No.:

Name:

Date:

Signature: