ACOUSTIC SOLUTIONS

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Calculation of Standardised Level Difference

Field Measurements of airborne Insulation between Rooms

Test Report Number: AS21-16/T1

Client: Hotel Snooze **Test Date:** 26 March 2021.

Address: C/o Balbir Panesar, 19 Peckover Street, Bradford, West Yorkshire BD1 5BD

Details: Ceiling at 41 Kirkgate, Huddersfield, West Yorkshire HD1 1QT between:

Source Room: Ground floor, ex commercial space

Receiver Room: First floor residential (undergoing construction)

Ceiling Construction (nominal)

22mm tongue and groove floorboards, existing timber joists, 15mm gypsum plank soundboard, 12.5mm plasterboard, 100mm Isowool APR 1200, 5mm skim.

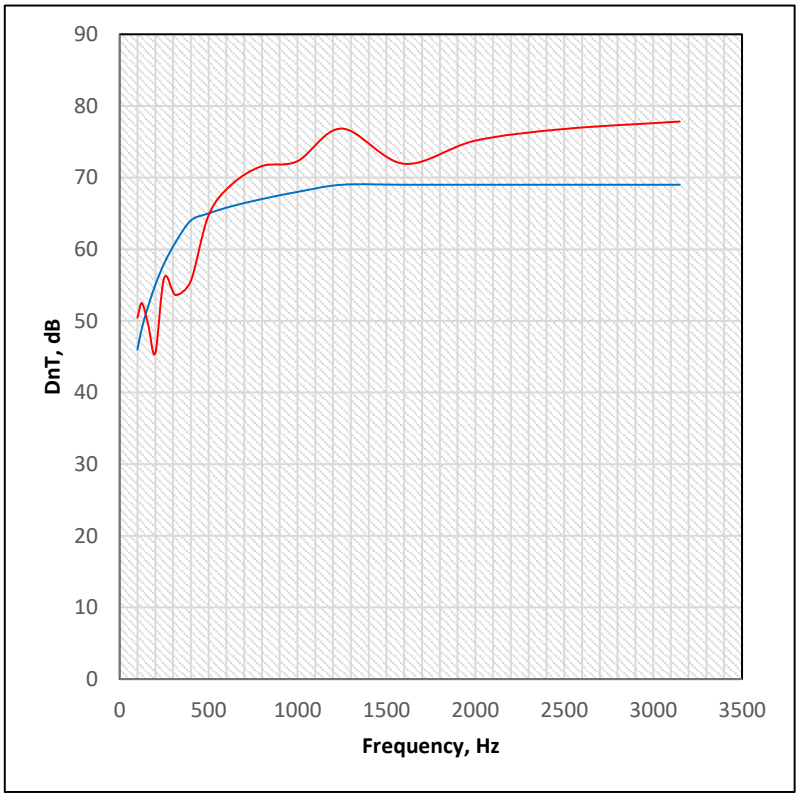
.

Source Vol: 270

Rec Vol: 32.4

Hz	DnT (dB)
50	
63	
80	
100	50.44317695
125	52.47901269
160	49.54462516
200	45.47338182
250	55.97932919
315	53.60083282
400	55.57027452
500	64.73327512
630	69.03734507
800	71.604761
1000	72.28924933
1250	76.8375152
1600	71.92221256
2000	75.15599257
2500	76.78275624
3150	77.82012614
4000	
5000	

Shifted Reference Curve / Measured DnT



Rating According to ISO 717-1

DnT,w + Ctr = **55.23909** **(DnT,w: C, Ctr) =** **65** **-23.6332286** **-9.760913**

Evaluation based on field measurement results obtained by an engineering method

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Report Date: 26 March 2021. **Signature:** …