



See SRL Report 81973-SRL-RP-XT-002-P2 for full details

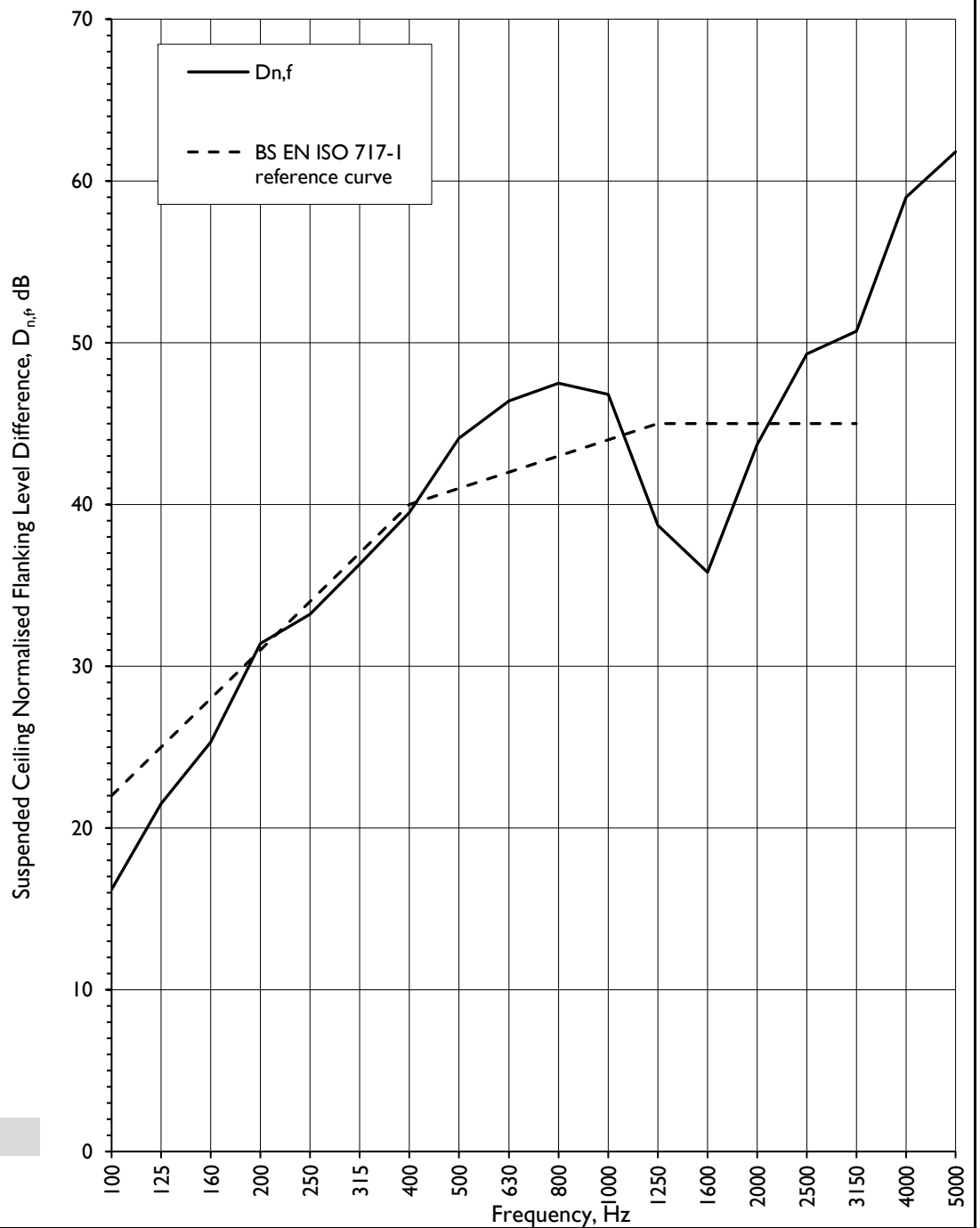
Laboratory Measurement of The Flanking Transmission of Airborne Sound Between Adjoining Rooms of a Suspended Ceiling to BS EN ISO 10848-2:2017

Test Number: 29 & 30
Client: Saint-Gobain Ecophon AB
Test Date: 16/05/2024

Test Room:
Air Temperature: 18.2 & 18.2 °C
Air Humidity: 64 & 61 %RH
Air Pressure: 997.5 mbar

Product Identification: Tonga dB 41 E 1200x600x40mm

Frequency, Hz	Suspended Ceiling Normalised Flanking Level Difference, dB	
	1/3 Oct	Octave
50+	15.7	14.3
63+	12.4	
80+	15.7	
100	16.2	19.5
125	21.5	
160	25.3	
200	31.4	33.2
250	33.2	
315	36.3	
400	39.5	42.4
500	44.1	
630	46.4	
800	47.5	42.4
1000	46.8	
1250	38.7	
1600	35.8	39.8
2000	43.7	
2500	49.3	
3150	50.7	54.6
4000	59.0	
5000	61.8	
6300+	64.5 *	56.6
8000+	57.2	
10000+	53.7	
Average 100-3150	37.9	SRL Version v3



* shows measurement corrected for background
 > shows measurement limited by background
 + shows Frequency beyond standard and not UKAS accredited

Rating according to BS EN ISO 717-1:2020

$D_{n,f,w}(C;C_{tr}) = 41 (-3;-8)$

Kieron Farrow

Kieron Farrow
Tester

Allen Smalls

Allen Smalls
Quality Manager