



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

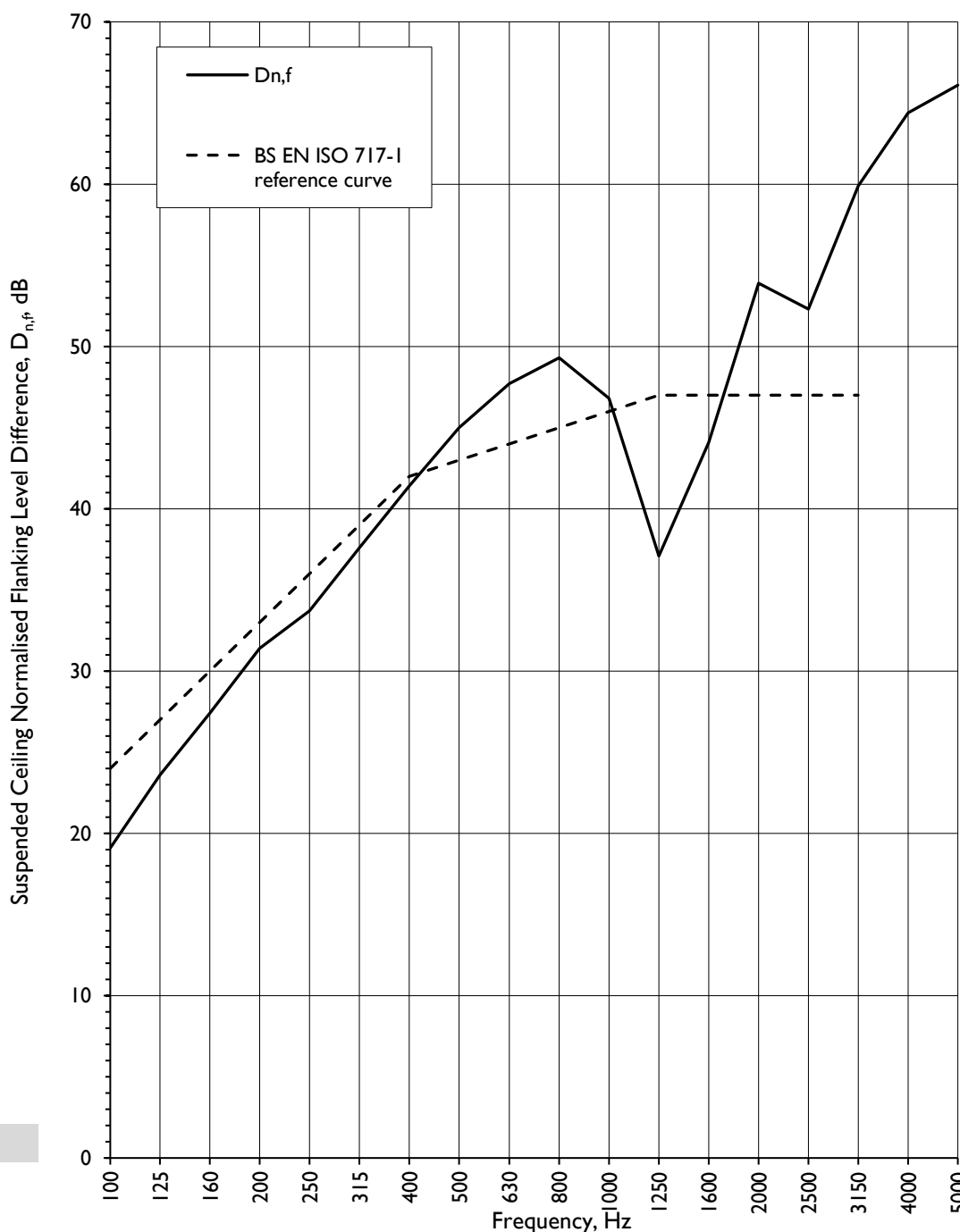
Laboratory Measurement of The Flanking Transmission of Airborne Sound Between Adjoining Rooms of a Suspended Ceiling to BS EN ISO 10848-2:2017

**Test Number:** 17 & 18  
**Client:** Saint-Gobain Ecophon AB  
**Test Date:** 15/05/2024

**Test Room:** **Source** **Receiving**  
**Air Temperature:** 18 & 18 °C 18 & 18 °C  
**Air Humidity:** 59 & 59 %RH 59 & 59 %RH  
**Air Pressure:** 998 mbar

**Product Identification:** Tonga dB 43 A 1200x600x45mm

Frequency, Hz	Suspended Ceiling Normalised Flanking Level Difference, dB	
	1/3 Oct	Octave
50+	16.2	14.9
63+	12.5	
80+	17.5	
100	19.1	22.1
125	23.6	
160	27.4	
200	31.4	33.5
250	33.7	
315	37.6	
400	41.4	43.9
500	45.0	
630	47.7	
800	49.3	41.2
1000	46.8	
1250	37.1	
1600	44.1	47.9
2000	53.9	
2500	52.3	
3150	59.9	62.6
4000	64.4	
5000	66.1	
6300+	68.9 *	59.3
8000+	60.8 *	
10000+	55.9	
Average 100-3150	40.6	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

$D_{n,f,w}(C;C_{tr}) = 43 (-2;-7)$

*Kieron Farrow*

**Kieron Farrow**  
Tester

*Allen Smalls*

**Allen Smalls**  
Quality Manager