



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

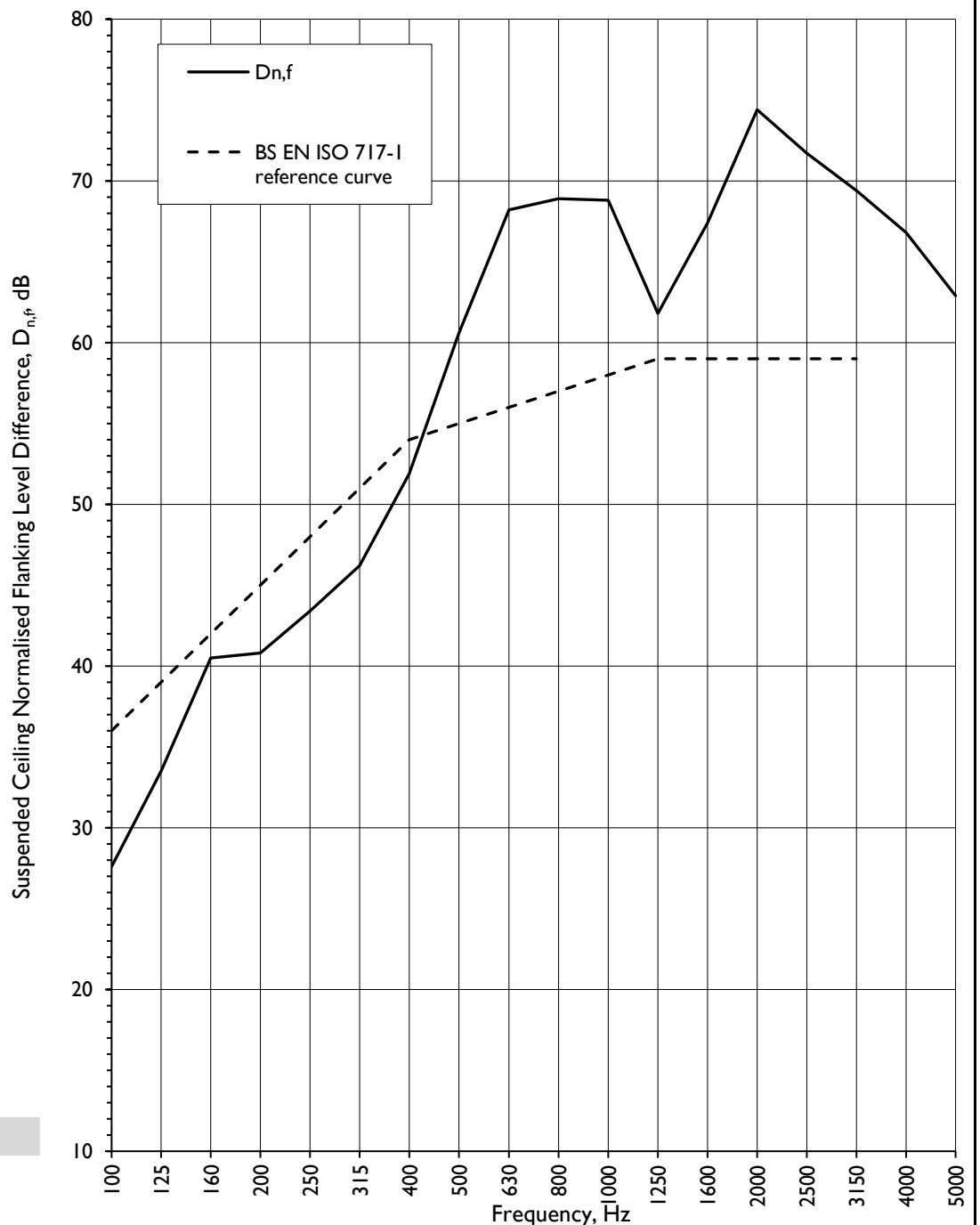
Laboratory Measurement of The Flanking Transmission of Airborne Sound Between Adjoining Rooms of a Suspended Ceiling to BS EN ISO 10848-2:2017

**Test Number:** 19 & 20  
**Client:** Saint-Gobain Ecophon AB  
**Test Date:** 15/05/2024

**Test Room:**  
**Air Temperature:** 18 & 18 °C  
**Air Humidity:** 60 & 60 %RH  
**Air Pressure:** 998 mbar

**Product Identification:** Tonga dB 43 A 1200x600x45mm with 1x80mm Acoustipan over partition wall

Frequency, Hz	Suspended Ceiling Normalised Flanking Level Difference, dB	
	1/3 Oct	Octave
50+	16.1	15.7
63+	12.7	
80+	26.4	
100	27.6	31.2
125	33.5	
160	40.5	
200	40.8	42.9
250	43.4	
315	46.2	
400	51.9	56.0
500	60.6	
630	68.2	
800	68.9	65.1
1000	68.8	
1250	61.8	
1600	67.4	70.2
2000	74.4 *	
2500	71.7 *	
3150	69.4 *	65.5
4000	66.8 *	
5000	62.9 *	
6300+	62.6 *	59.2
8000+	58.9 *	
10000+	57.5	
Average 100-3150	55.9	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

$D_{n,f,w}(C;C_{tr}) = 55 (-3;-10)$

*Kieron Farrow*

**Kieron Farrow**  
Tester

*Allen Smalls*

**Allen Smalls**  
Quality Manager