

Confidential

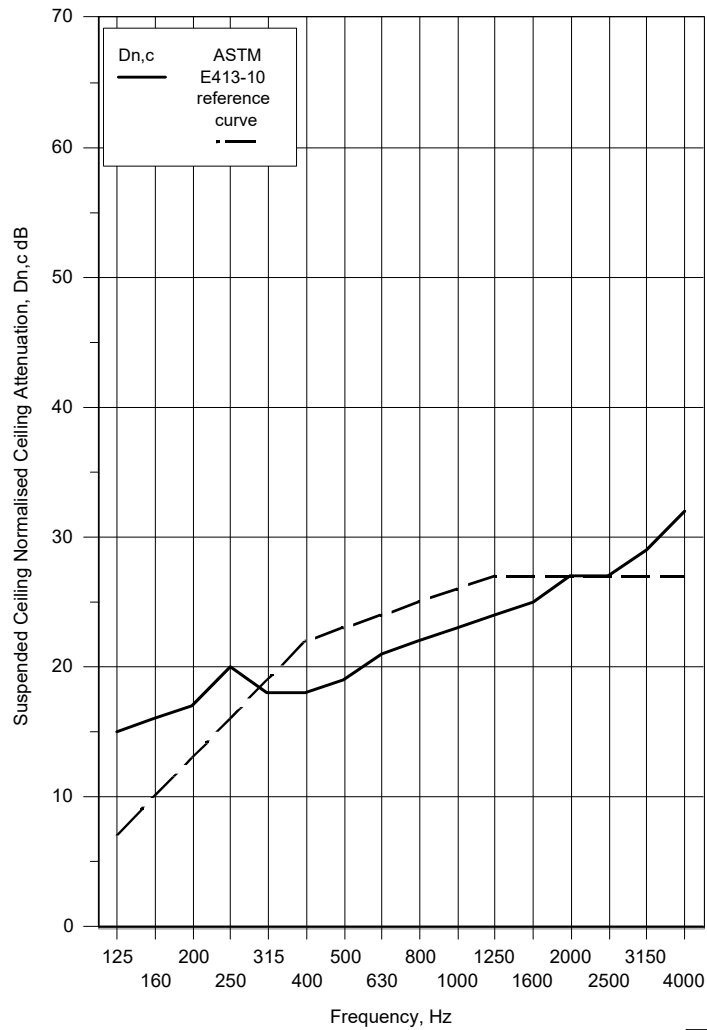
See SRL Report C/23619/T03 for full details

Laboratory Measurement of Airborne Sound Attenuation between Rooms sharing a Common Ceiling Plenum

Test Procedure to ISO 10848-2; Calculation of $D_{n,c}$ to ASTM E1414-11a

Test Numbers:	31 & 30	Air Temperature:	8.5 °C
Manufacturer:	USG Middle East Ltd	Air Humidity:	53 %
Client:	USG Middle East Ltd	Test Date:	27/01/2017
Sample mounted by:	USG Middle East Ltd		
Product identification:	Lay-in perforated with infill Halcyon 600x600x19mm		

Freq f Hz	Suspended Ceiling Normalised Ceiling Attenuation - dB
	1/3 Oct $D_{n,c}$
100	10
125	15
160	16
200	17
250	20
315	18
400	18
500	19
630	21
800	22
1000	23
1250	24
1600	25
2000	27
2500	27
3150	29
4000	32
5000	33



Rating according to ASTM E413-10
CAC = **23 dB**

Notes : * shows measurement corrected for background
shows CAC limited by maximum unfavourable deviation of 8dB

v2.0



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