

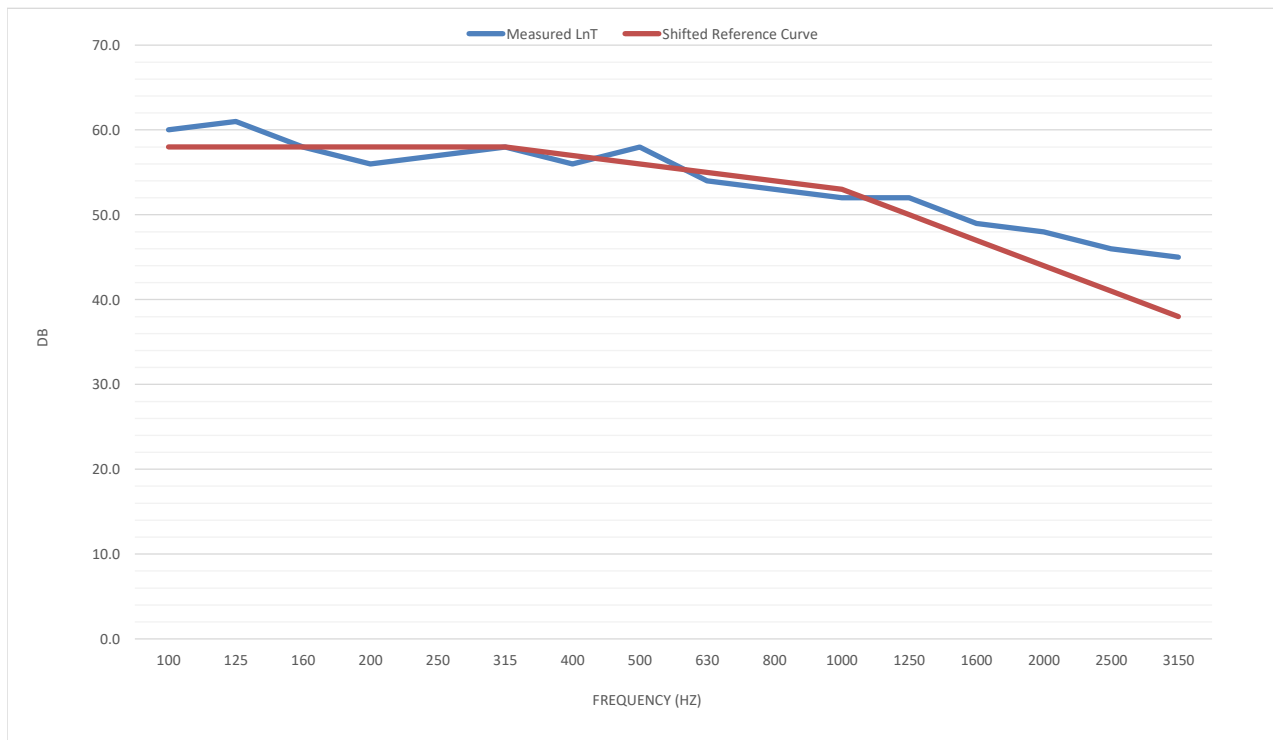
Location:- 130A Upper Street, Islington, London, N1 1QP
 Ref:-
 Date:- 12.5.2020
 RCS 28~
 TRM ~

Sheet Title:- Impact Sound Transmission From 1st Flr Flat Bedroom to No.129 Commercial Area.

Calculation of $L_{nT,w}$

Shifted
56

Frequency	Measured L_{nT}	Reference Curve	Shifted Reference Curve	Deviations	Adverse Deviations
(Hz)	dB	dB		dB	dB
100	60.0	62	58	-2.0	-2
125	61.0	62	58	-3.0	-3
160	58.0	62	58	0.0	0
200	56.0	62	58	2.0	0
250	57.0	62	58	1.0	0
315	58.0	62	58	0.0	0
400	56.0	61	57	1.0	0
500	58.0	60	56	-2.0	-2
630	54.0	59	55	1.0	0
800	53.0	58	54	1.0	0
1000	52.0	57	53	1.0	0
1250	52.0	54	50	-2.0	-2
1600	49.0	51	47	-2.0	-2
2000	48.0	48	44	-4.0	-4
2500	46.0	45	41	-5.0	-5
3150	45.0	42	38	-7.0	-7
Offset					
			4	dB	
Total adverse deviations			27	dB	
$L_{nT,w}$			56	dB	
Rating			56	PASS	



NOTE:- Building Regulation Requirements = $L_{nT,w}$ Must be less than or equal to 64 For "Material Change of Use"