

Riverbank Acoustical Laboratories (RAL)TM / An Alion Science Technical Center
 Laboratory Measurement of Airborne Sound Transmission Loss
 of Building Partitions ASTM E 90-04/NVLAP 08/P06

TEST NUMBER: TL07-021 TEST DATE: JANUARY 23, 2007

CLIENT: Quiet Solution, LLC
 DESIGNATION: ID 01: QuietRock 510 24"oc WS wall w/ R-13 fiberglass and 5/8 Type X

DIMENSIONS: 97" wide x 108" high x 4.75" thick
 AREA: 72.5 ft² (Filler: 53.5 ft² Comp: 126.0 ft²)
 WEIGHT: 387.25 lbs AREA WEIGHT: 5.32 lbs/ft²
 SPECIMEN DETAILS:

SOURCE ROOM: Room 2 Volume = 6297.6 ft³ Area = 2066.2 ft²
 RECEIVE ROOM: Room 1 Volume = 6254.5 ft³ Area = 2042 ft²
 FILE NAME: TL07_021_070123_A.doc

FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <CONT	FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <CONT
100	17	0.68		800	51	0.13	
125	27	0.47	6	1k	52	0.13	
160	33	0.58	3	1.25k	53	0.15	
200	35	0.66	4	1.6k	53	0.08	
250	40	0.28	2	2k	49	0.09	4
315	44	0.32	1	2.5k	50	0.09	3
400	45	0.31	3	3.15k	55	0.08	
500	48	0.20	1	4k	58	0.05	
630	49	0.21	1	5k	58	0.05	

Sound Transmission Class (STC) = 49

Total Deficiencies = 28

Extended Frequency Data

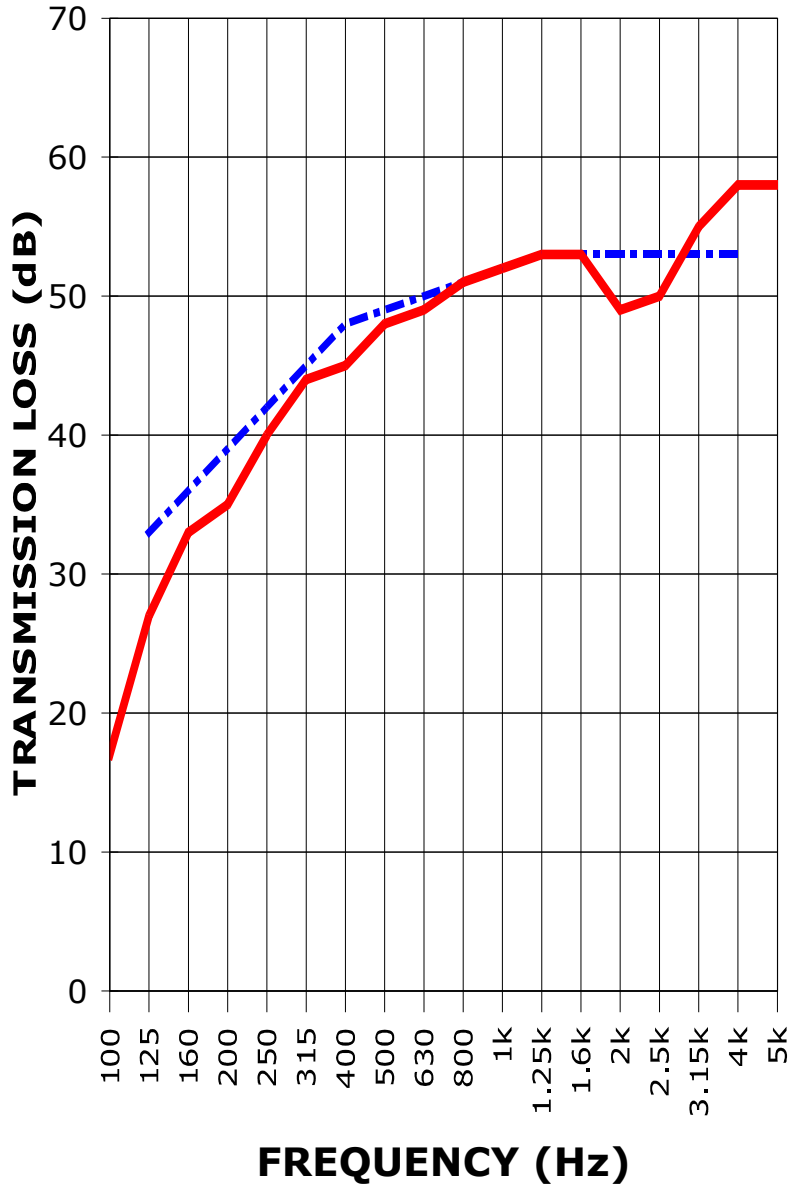
FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
40	24	0.72		6.3k	56	0.06	
50	15	0.64		8k	60	0.05	
63	18	0.89		10k	63	0.05	
80	19	0.65					

R: 48
 OITC: 32

Test Conducted by: Dean Victor

This single report page and accompanying graph contain the instantaneous raw data as provided to the client after testing of the specimen. This data, although accurate, is incomplete without the full specimen description, mounting details and signature pages. The full report referenced by the RAL test number above should be consulted for further information regarding these results.

SOUND TRANSMISSION REPORT
RAL - TL07-021



FREQUENCY (Hz)

STC = 49



TRANSMISSION LOSS
SOUND TRANSMISSION LOSS CONTOUR