

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: TL07-094 TEST DATE: MARCH 29, 2007

CLIENT: Quiet Solution, LLC
 DESIGNATION: QR 525 #18, 18 gauge 6" steel stud wall 24"oc with R19 insulation sealed with Quiet Seal 350, QR 525 one side, QR 525 / Gyp. other side

DIMENSIONS: 168" wide x 108" high x 7.875" thick
 AREA: 126.0 ft²
 WEIGHT: 1264.25 lbs AREA WEIGHT: 10.03 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_094_070329_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	32	0.79		800	61	0.16	2
125	40	0.83	5	1k	64	0.18	
160	43	0.53	5	1.25k	67	0.15	
200	48	0.47	3	1.6k	66	0.10	
250	51	0.34	3	2k	67	0.11	
315	52	0.40	5	2.5k	66	0.07	
400	56	0.27	4	3.15k	66	0.07	
500	59	0.16	2	4k	66	0.07	
630	60	0.24	2	5k	68	0.05	

Sound Transmission Class (STC) = 61

Total Deficiencies = 31

Extended Frequency Data

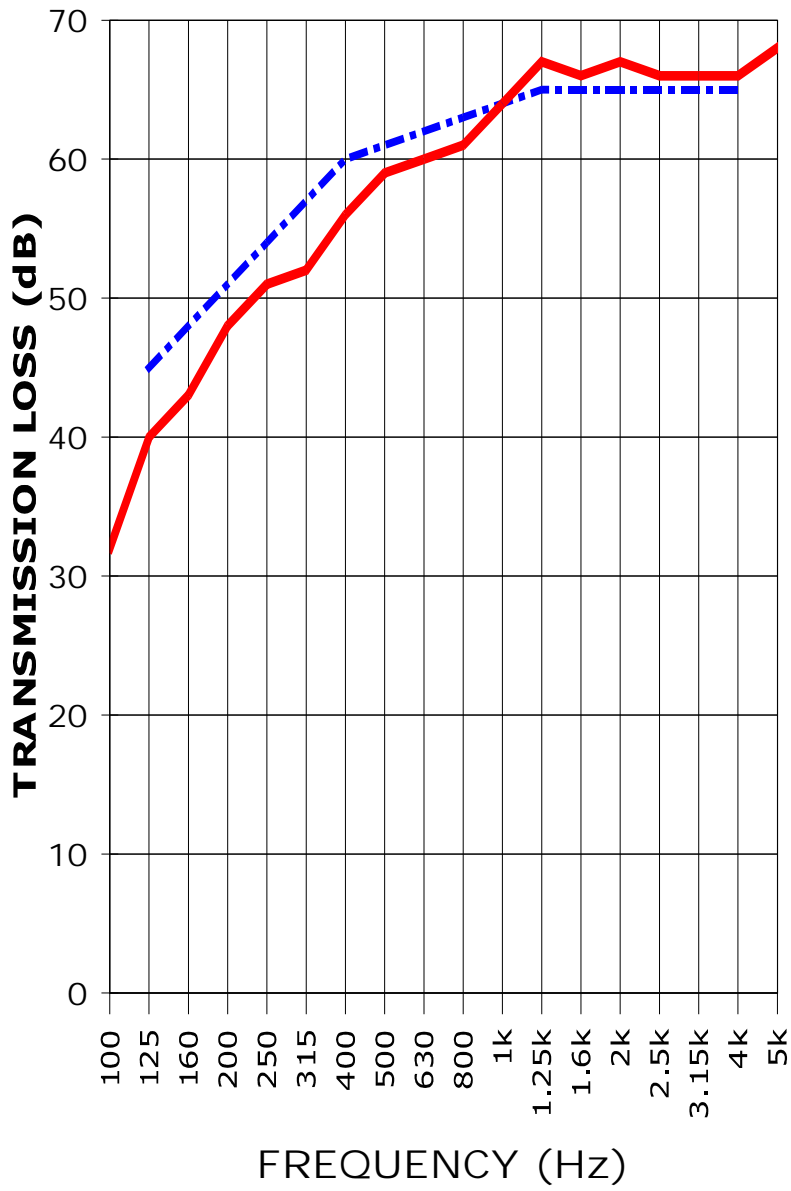
FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
40	21	0.64		6.3k	71	0.07	
50	16	0.55		8k	73	0.17	
63	19	0.95		10k	75	0.40	
80	29	0.52					

R: 60
 OITC: 45

Test Conducted by: Marc Sciaky

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 - TL07-094



FREQUENCY (Hz)

STC = 61



TRANSMISSION LOSS
SOUND TRANSMISSION LOSS CONTOUR