

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: TL07-092 TEST DATE: MARCH 28, 2007

CLIENT: Quiet Solution, LLC
 DESIGNATION: QR 525 #16, 18 gauge 6" steel stud wall 24"oc with R19 insulation sealed with Quiet Seal 350, QR 525 one side, 5/8" Gyp. other.

DIMENSIONS: 168" wide x 108" high x 7.25" thick
 AREA: 126.0 ft²
 WEIGHT: 817.25 lbs AREA WEIGHT: 6.49 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_092_070328_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	24	0.73		800	58	0.21	
125	34	0.47	5	1k	61	0.13	
160	38	0.72	4	1.25k	63	0.12	
200	42	0.96	3	1.6k	60	0.10	
250	46	0.40	2	2k	59	0.09	
315	48	0.34	3	2.5k	56	0.08	3
400	51	0.40	3	3.15k	58	0.07	1
500	54	0.21	1	4k	58	0.07	1
630	57	0.17		5k	59	0.06	

Sound Transmission Class (STC) = 55

Total Deficiencies = 26

Extended Frequency Data

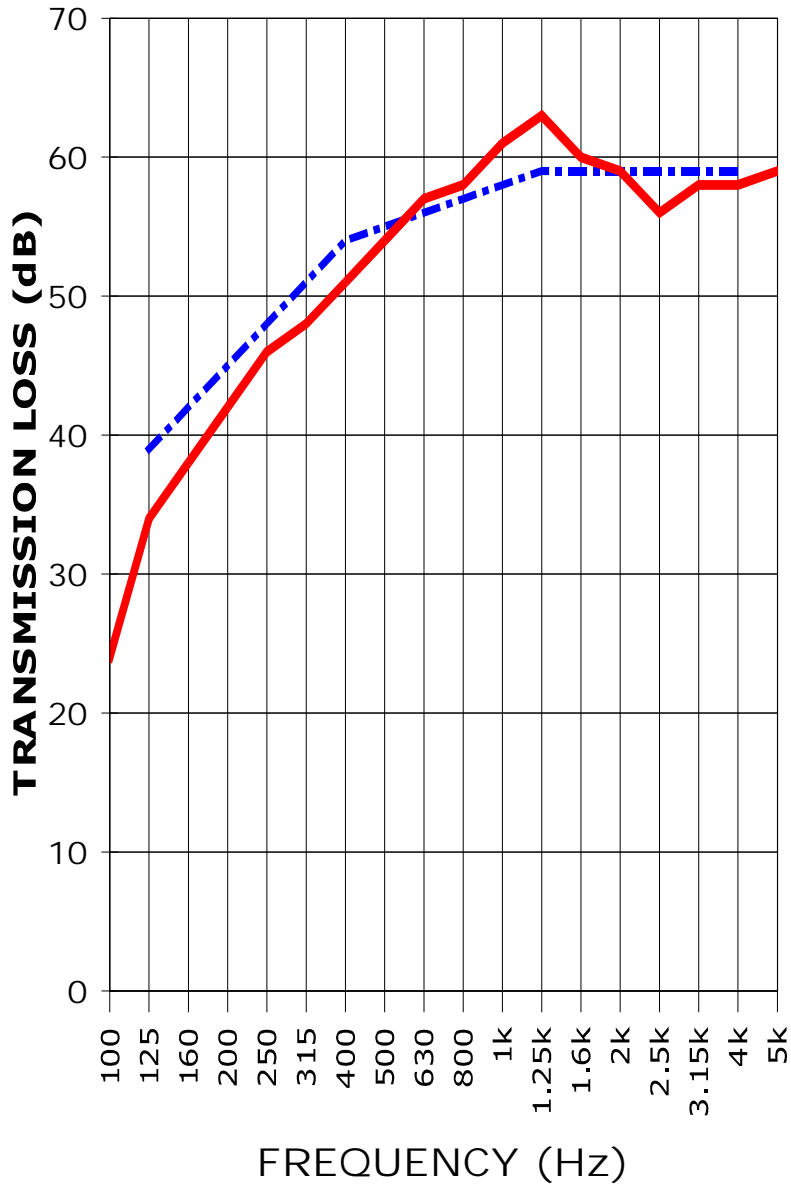
FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
40	20	0.52		6.3k	62	0.04	
50	17	1.32		8k	64	0.07	
63	14	1.17		10k	68	0.36	
80	20	0.68					

R: 54
 OITC: 37

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 - TL07-092



FREQUENCY (Hz)

STC = 55



TRANSMISSION LOSS
SOUND TRANSMISSION LOSS CONTOUR