

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: TL07-029 TEST DATE: JANUARY 25, 2007

CLIENT: Quiet Solution, LLC
 DESIGNATION: ID 08: QuietRock 525 24"oc SS wall w/ R-13 fiberglass and QuietRock 525

DIMENSIONS: 97" wide x 108" high x 4.875" thick
 AREA: 72.5 ft² (Filler: 53.5 ft² Comp: 126.0 ft²)
 WEIGHT: 465.5 lbs AREA WEIGHT: 6.40 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_029_070125_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	26	0.94		800	59	0.22	
125	36	0.58	5	1k	59	0.13	1
160	40	0.62	4	1.25k	60	0.12	1
200	42	0.44	5	1.6k	61	0.14	
250	47	0.38	3	2k	62	0.10	
315	52	0.30	1	2.5k	63	0.09	
400	54	0.24	2	3.15k	64	0.09	
500	56	0.22	1	4k	61	0.06	
630	58	0.22		5k	63	0.08	

Sound Transmission Class (STC) = 57

Total Deficiencies = 23

Extended Frequency Data

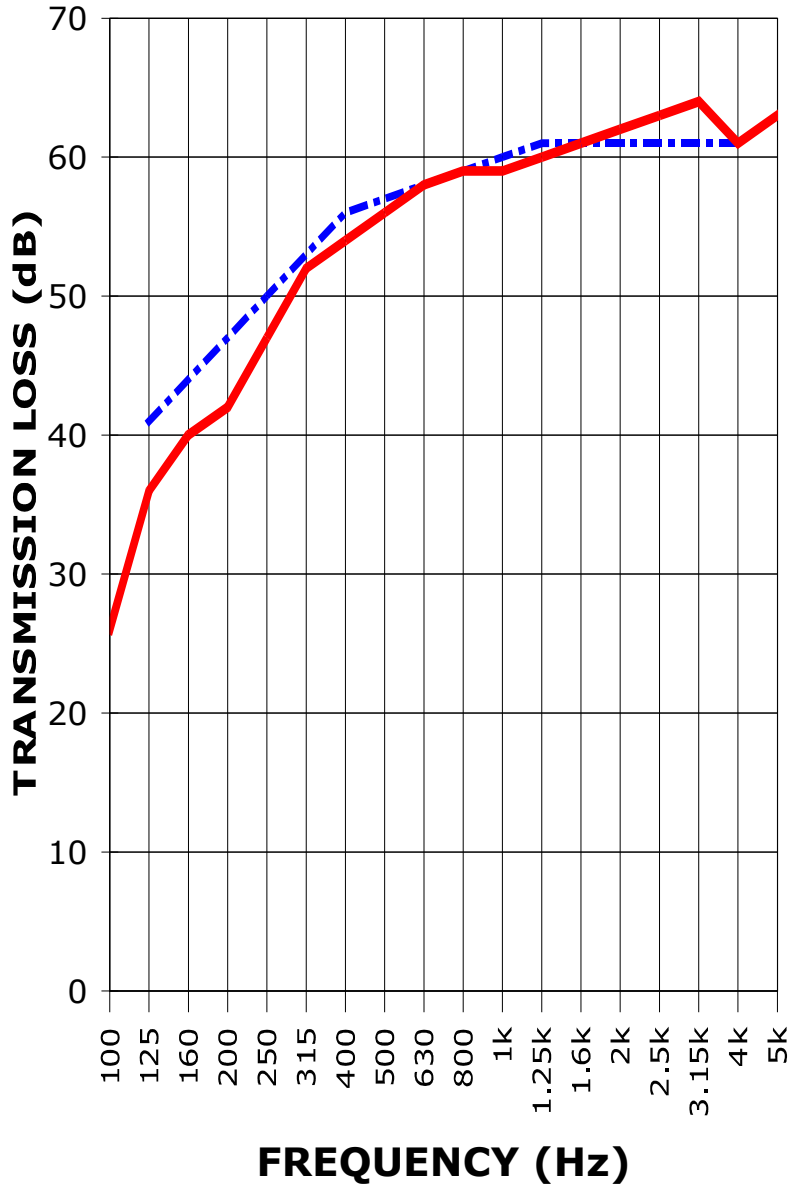
FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
40	23	0.60		6.3k	66	0.05	
50	14	0.94		8k	69	0.06	
63	15	0.79		10k	70	0.03	
80	24	0.78					

R: 56
 OITC: 40

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 - TL07-029



TRANSMISSION LOSS
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