Riverbank Acoustical Laboratories (RAL)™ / An Alion Science Technical Center (RALVer 10.1)

Laboratory Measurement of Airborne Sound Transmission Loss
of Building Partitions ASTM E 90-09/NVLAP 08/P06

TEST NUMBER: TL14-222 TEST DATE: JUNE 20, 2014

CLIENT: Echo Barrier USA
DESIGNATION: Echo H2 Acoustic Noise Barrier double layer (orange/mesh faces source)

DIMENSIONS: 48" wide x 77.5" high x 2.5" thick
AREA: 26.0 ft²
WEIGHT: 24 lbs AREA WEIGHT: 0.93 lbs/ft²
SPECIMEN DETAILS:

SOURCE ROOM: Room 2 Volume = 6297.6 ft³ Area = 2066.2 ft²
RECEIVE ROOM: Room 3 Volume = 4929.46 ft³ Area = 1690.3 ft²
FILE NAME: TL14_222_140620_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	**13**	0.60		800	**22**	0.22	
125	**11**	0.52		1k	**26**	0.18	
160	**11**	0.88		1.25k	**29**	0.20	
200	**09**	0.38		1.6k	**30**	0.14	
250	**09**	0.46	2	2k	**32**	0.12	
315	**09**	0.22	5	2.5k	**35**	0.10	
400	**09**	0.33	8	3.15k	**38**	0.05	
500	**13**	0.17	5	4k	**40**	0.09	
630	**17**	0.17	2	5k	**44**	0.06	

Sound Transmission Class (STC) = 18

Total Deficiencies = 22

Extended Frequency Data

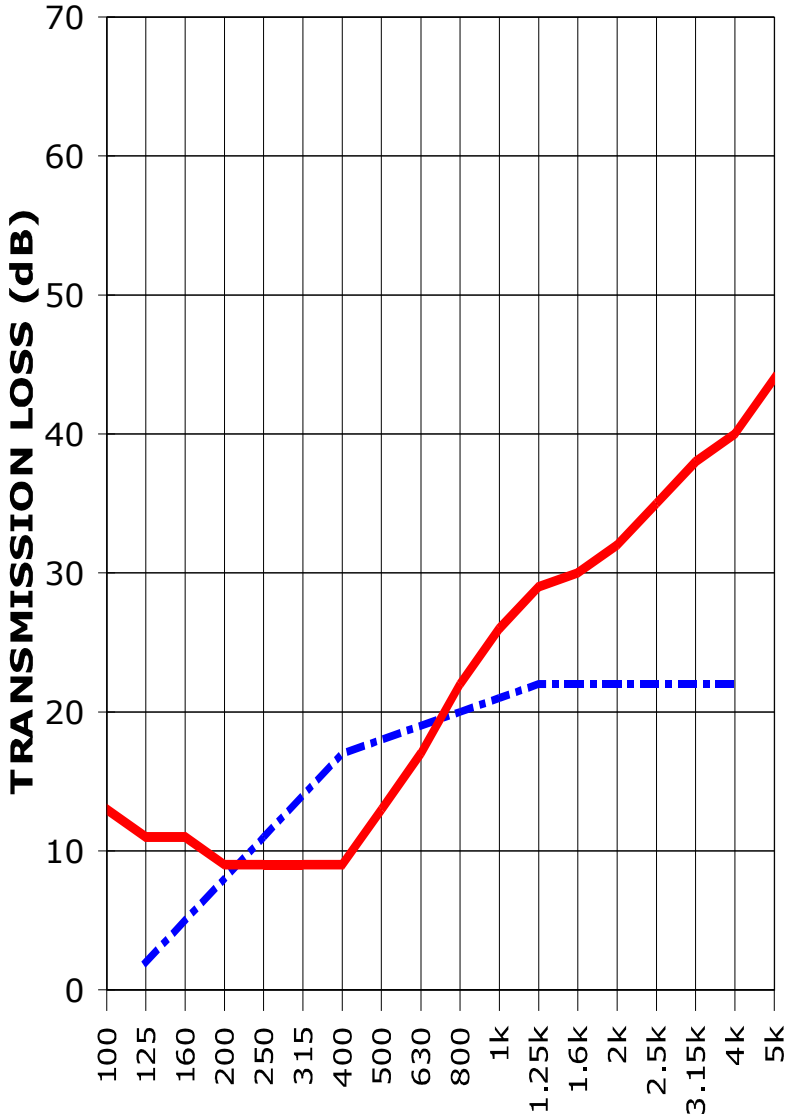
FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
40	**14**	0.60		6.3k	**47**	0.06	
50	**11**	0.77		8k	**48**	0.06	
63	**5**	0.69		10k	**51**	0.05	
80	**6**	1.03					

R: 19
OITC: 14

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 - TL14-222



STC = 18

TRANSMISSION LOSS
SOUND TRANSMISSION LOSS CONTOUR