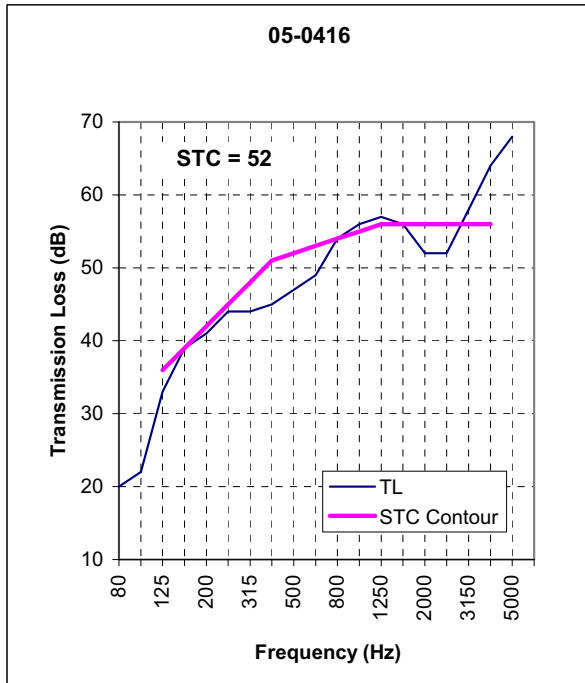




TEST RESULTS

Manufacturer: **Audio Alloy, L.L.C.**
 Specimen: **Interior wall assembly**
 Date Tested: **April 14, 2005**
 Method: **ASTM E 90, ASTM E 413**
 Test Number: **05-0416**



Frequency (Hz)	TL (dB)	Def.	*95% conf.
80	20	n/a	1.63
100	22	n/a	1.15
125	33	3	0.95
160	39	0	1.27
200	41	1	1.24
250	44	1	0.65
315	44	4	0.65
400	45	6	0.62
500	47	5	0.40
630	49	4	0.50
800	54	0	0.40
1000	56	0	0.25
1250	57	0	0.25
1600	56	0	0.32
2000	52	4	0.44
2500	52	4	0.35
3150	58	0	0.31
4000	64	0	0.49
5000	68	n/a	0.35
	32		

*from room qualification data



FOR THE SCOPE OF ACCREDITATION UNDER NVLAP LAB CODE 200248-0



SPECIMEN DESCRIPTION

Representatives of the client constructed and installed the specimen into the laboratory test opening. The specimen assembly consisted of the following:

Source Room Sheeting

2 layers 5/8 Type X gypsum mounted on 1/8" heavy putty
2 Tubes (58 fl. Oz.) Green Glue between layers
screw spacing 16" on center, seams sealed with caulk

Wall Structure

2x4 studs @ 24" OC
3 1/2" R13 fiberglass insulation

Recieve Room Sheeting

1 layer 5/8" Gypsum
screw spacing 16" on center, seams sealed with caulk

The whole specimen weighed approximately 500 lbs. and was 63 ft² in area.

TEST METHOD

The testing was conducted in accordance with ASTM Standard E90-02, "Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements". The calculation of the single-number STC rating was obtained in accordance with ASTM E413.

Test results pertain to this sample only.

Orfield Laboratories, Inc. has been accredited by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST) under their National Voluntary Laboratory Accreditation Program (NVLAP) for this test procedure. This report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

TEST CHAMBERS AND ENVIRONMENT

Source Room Volume: 4150 ft³
Receiver Room Volume: 8282 ft³

Data for test chamber flanking limits and reference specimen results are available upon request.



The following environmental conditions were present in the test chambers during testing:

Environmental Conditions

Date	April 14, 2005
Temperature	20° C
Relative humidity	50%

REMARKS

Representatives of the client demolished the test sample.

CONFIDENTIALITY

The client has full control over this information and any release of information will be only to the client. The specific testing results are deemed to be confidential exclusively for the client's use. Reproduction of this report, except in full, is prohibited.