

Industrial Sound and Vision, LLC
RT60 Reverberation Prediction
 Version 1.86

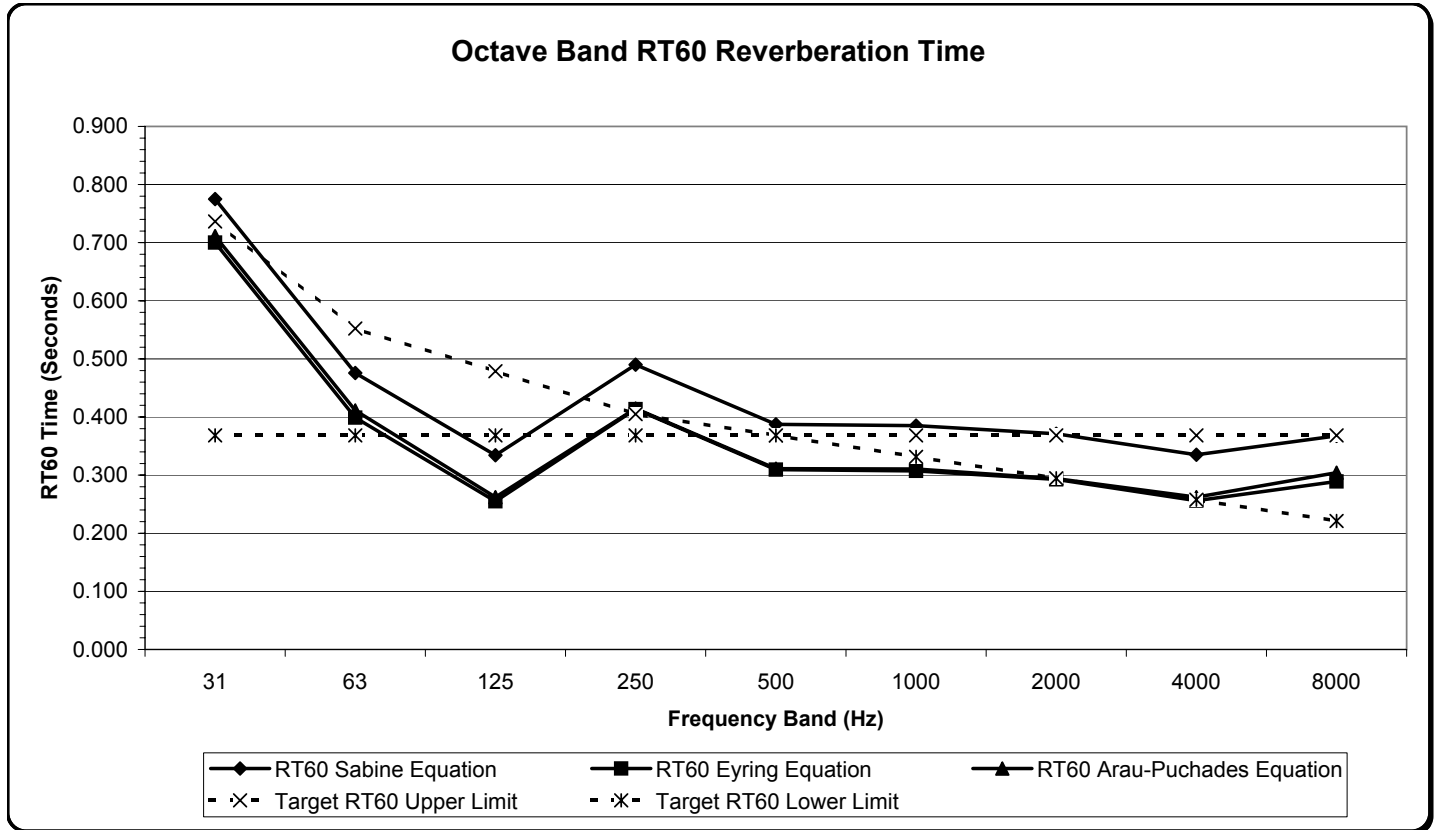
Client: H. Jones
Project: Jones Home Theater
Date: January 9, 2005

Project Status: PRELIMINARY

Room Length =	27.3125 ft
Room Width =	19.4583 ft
Room Height =	12.2917 ft
Room Floor Area =	531.46 ft ²
Room Volume =	6,532.48 ft ³
Room Surface Area =	2,212.69 ft ²

RT60 Target @ 500 Hz =	0.36825 Sec	+/- 15%
500 Hz Tolerance Range =	0.31301 To	0.42349 Sec

OCTAVE BAND RT60 REVERBERATION TIME (Seconds)											
	31	63	125	250	500	1000	2000	4000	8000	Average	Check
RT60 Sabine Equation	0.7749	0.4756	0.3341	0.4901	0.3873	0.3852	0.3710	0.3351	0.3675	0.4357	* Warning *
RT60 Eyring Equation	0.7001	0.3989	0.2550	0.4136	0.3093	0.3073	0.2928	0.2560	0.2892	0.3580	* O.K. *
RT60 Arau-Puchades Equation	0.7113	0.4114	0.2622	0.4145	0.3111	0.3107	0.2942	0.2622	0.3043	0.3646	* O.K. *
Target RT60 Upper Limit	0.7365	0.5524	0.4787	0.4051	0.3682	0.3682	0.3682	0.3682	0.3682	0.4460	
Target RT60 Lower Limit	0.3682	0.3682	0.3682	0.3682	0.3682	0.3314	0.2946	0.2578	0.2209	0.3273	



Surface Area Covering	Left	Front	Right	Rear	Ceiling	Floor	Total ft ²	Surface Area Weighting
GWB 1 LA 5/8" THK EA Side (3.5" A.S. w/Fuzz)	240	239	240	175	483		1377	0.6223
GWB 2 LA 5/8" THK EA Side (3.5" A.S. w/Fuzz)							0	0.0000
5/8" Sheetrock w/ 1" Cloudpanel					48		48	0.0217
5/8" Sheetrock w/ Cinepanel Wedge "Diffusor"	48		48	64			160	0.0723
5/8" Sheetrock w/ 2" PA Rockwool "Absorber"				18			18	0.0081
5/8" Sheetrock w/ Cinepanel Wedge "Absorber"	48		48	32			128	0.0578
40 oz. Carpet & Heavy Pad on Concrete						531	531	0.2400
Bass Absorber 60-130							0	0.0000
Bass Absorber 30-100							0	0.0000
Error Checking on Area	336	239	336	289	531	531	2,262	1.0223