



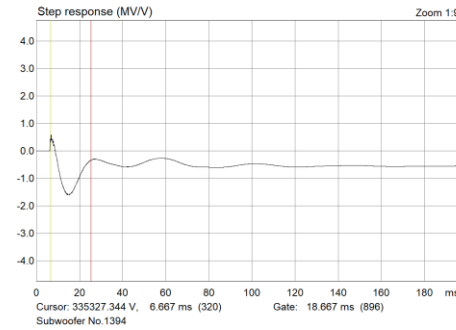
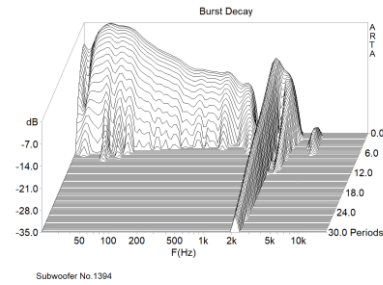
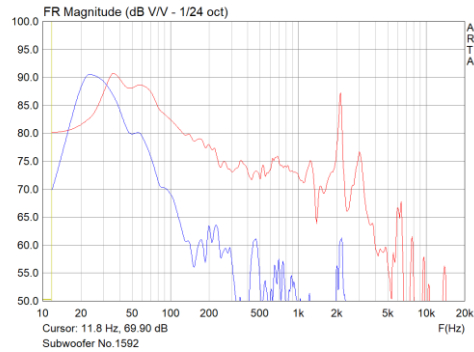
Prepared by: Troy J. Crowe

Device Under Test  
Subwoofer No. 1592 (Single subwoofer)



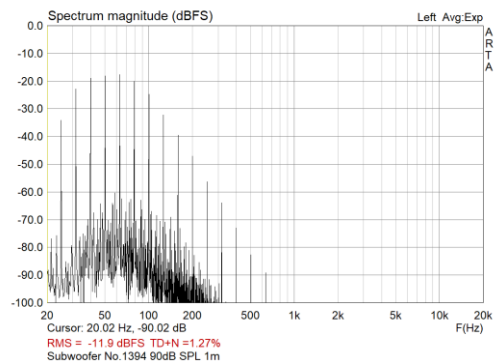
**Test Setup**  
Test Location: Indoors (Ground Plane)  
Amplifier: Hypex FA501  
DAC: Chord Mojo (ASIO output)  
Software: ARTA Labs, DATS V2  
Microphone: Dayton UMM6  
Microphone distance: 30cm  
Low pass filter 80Hz 4<sup>th</sup> order (IMD test only)

## Frequency & Time Domain Performance

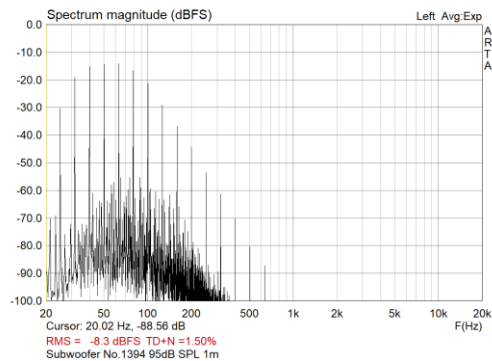


## Intermodulation Distortion

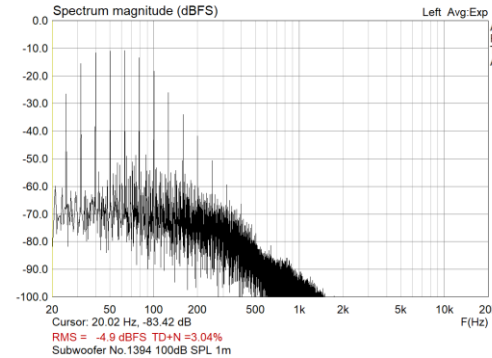
Test SPL **90dB @ 1m**  
IMD: **-45dB**



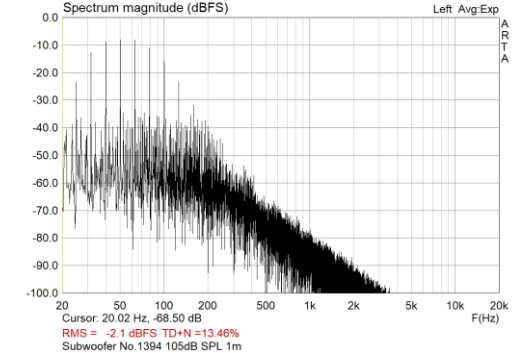
Test SPL **95dB @ 1m**  
IMD: **-40dB (@60Hz)**

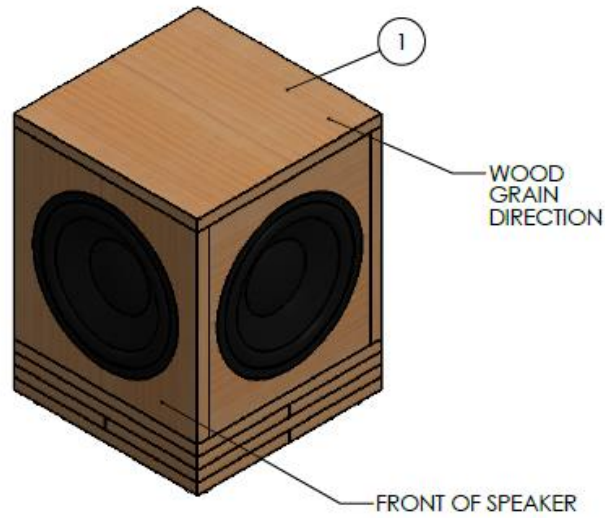
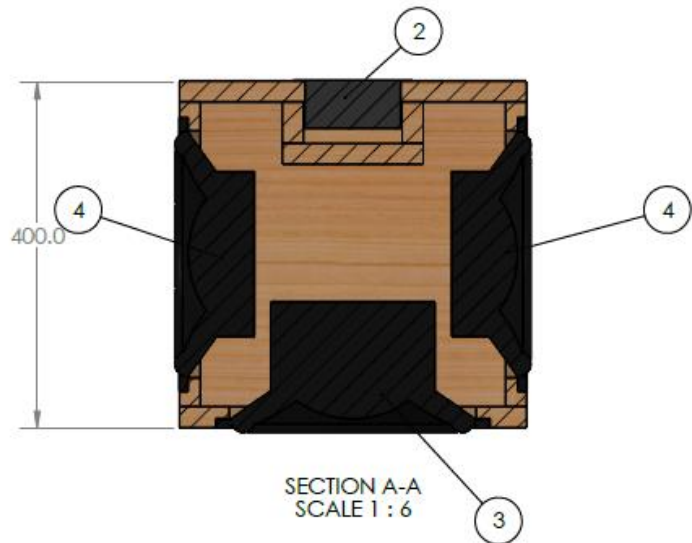


Test SPL **100dB @ 1m**  
IMD: **-35dB (@60Hz)**



Test SPL **105dB @ 1m**  
IMD: **-30dB (@60Hz)**





ITEM NO.	PART NUMBER	QTY.
1	1349-04-01 Cabinet	1
2	Hypex FA501 N-Core DSP Plate Amplifier Assembly	1
3	RSS315HO-4 12" Reference HO Subwoofer	1
4	RSS315-PR 12" Aluminum Cone Passive Radiator	2
5	9306K33 Heavy-Duty Unthreaded Bumper, Polyurethane Rubber, 2" OD, 3/4" High	4



1592 Subwoofer			
SHEET 1 OF 13			
PROPRIETARY	DWG. NO. 1592	DATE 12/4/2021	REV. 00
	MATERIAL ---		
	FINISH ---		
	DRAWN Joseph Crowe		
	SCALE:1:10	DRAWING SIZE ANSI B	