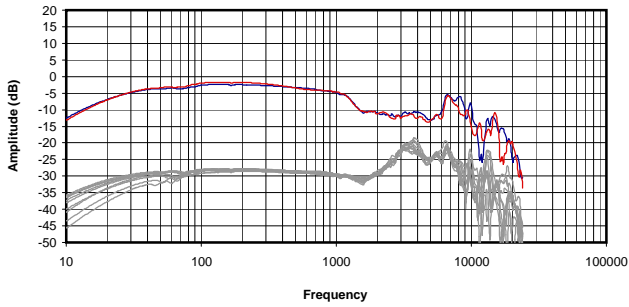
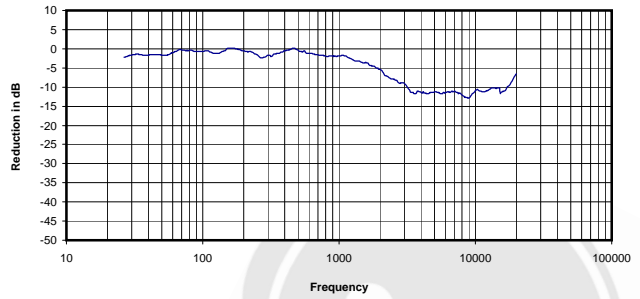


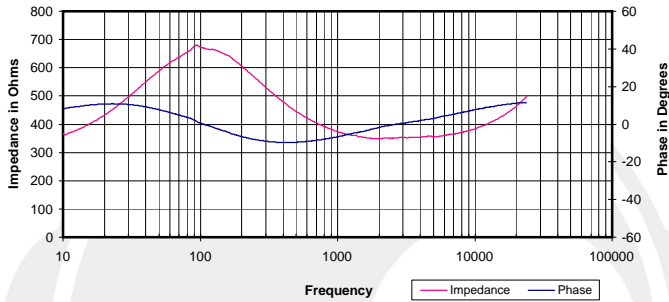
Frequency Response
 Top - Compensated and Averaged
 Bottom - Raw Data for Five Headphone Positions



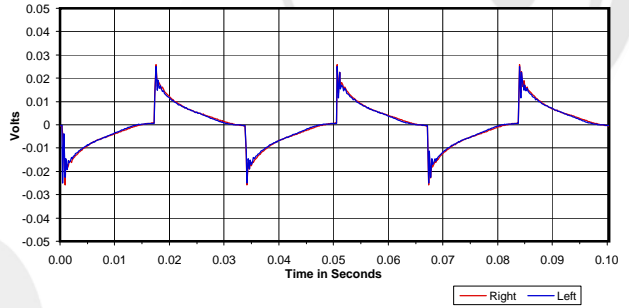
Isolation
 Attenuation of External Sound vs. Frequency



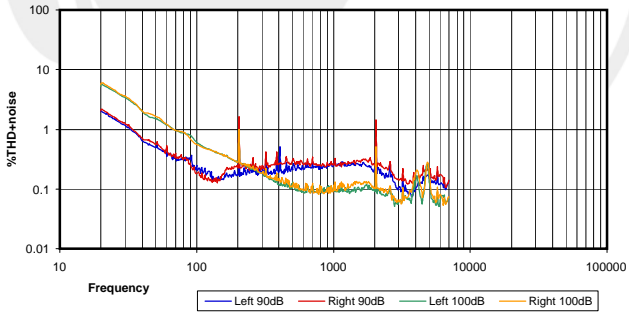
Electrical Impedance and Phase
 Measured with 600 Ohm output impedance.



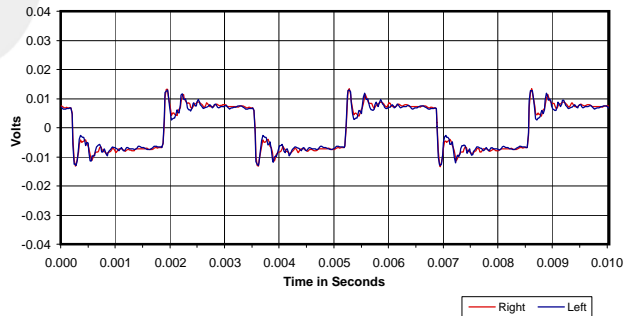
30 Hz Square Wave



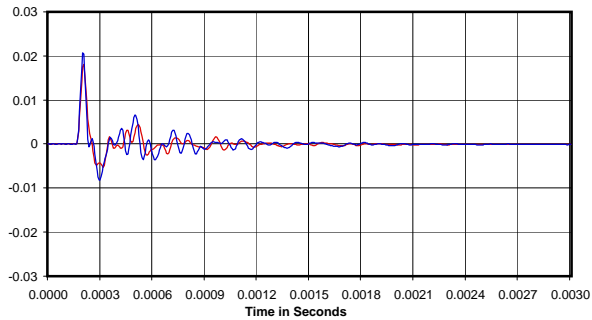
%THD+noise @ 90dB and 100dB



300 Hz Square Wave



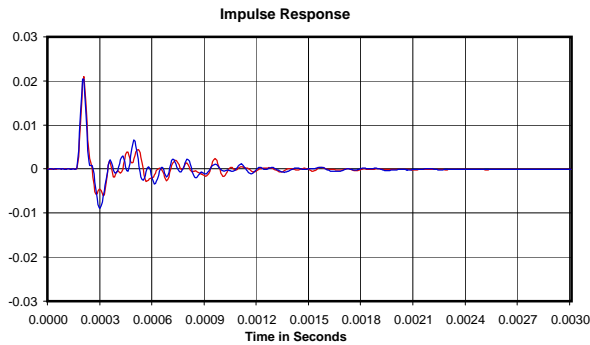
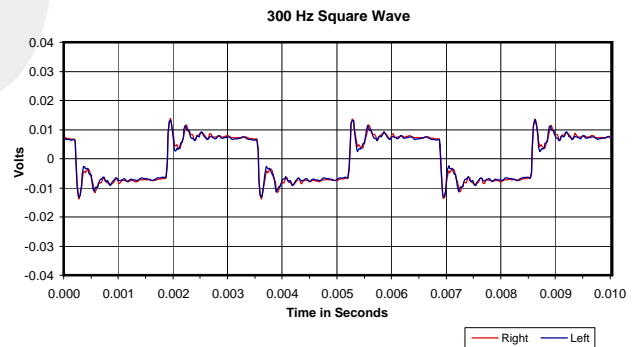
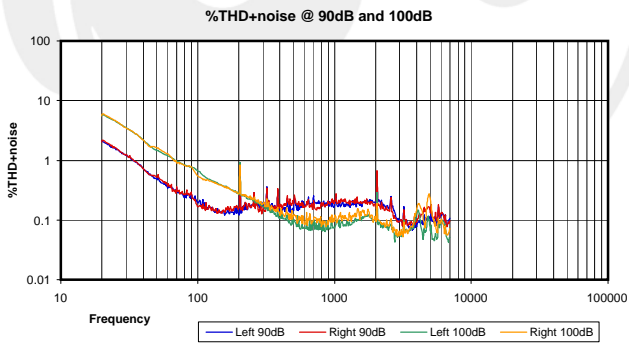
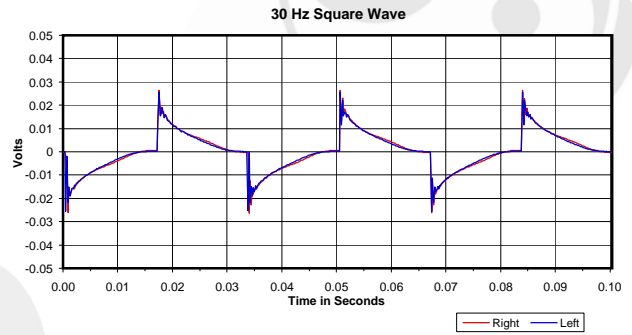
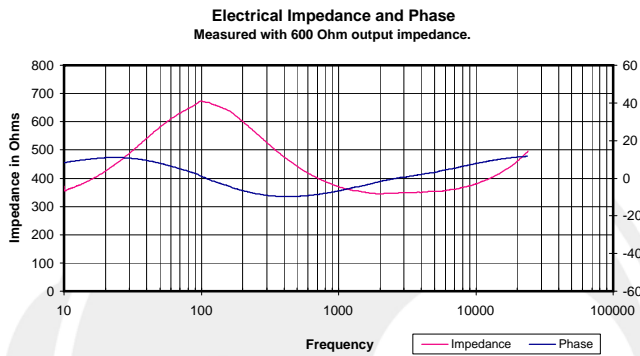
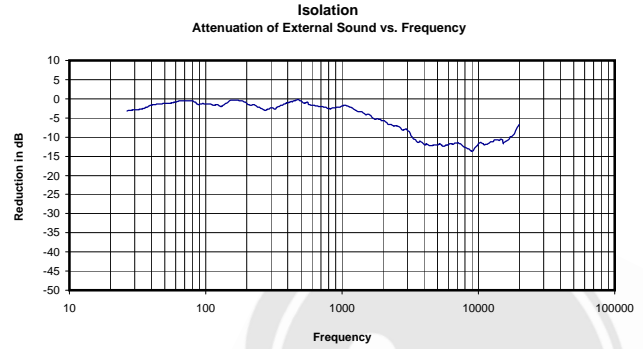
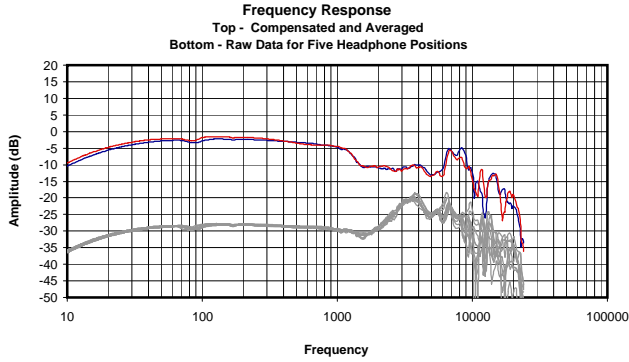
Impulse Response



Volts RMS required to reach 90dB SPL:
 Impedance @ 1kHz:
 Power Needed for 90d BSPL
 Broadband Isolation in dB (100Hz to 10kHz):

0.000 Vrms
 374 Ohms
 0.00 mW
 -5 dBr

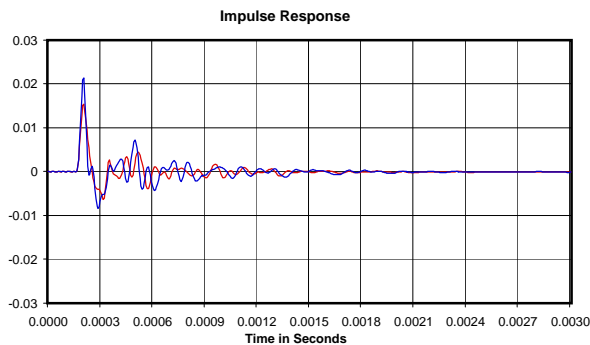
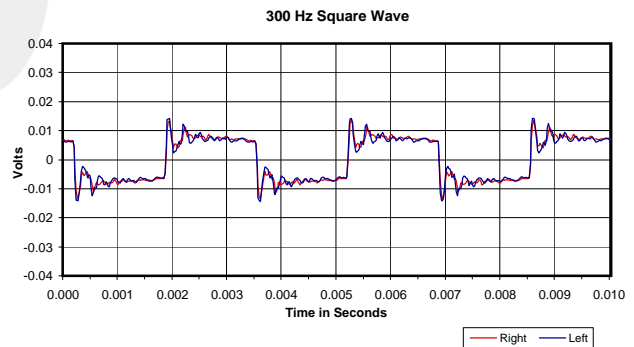
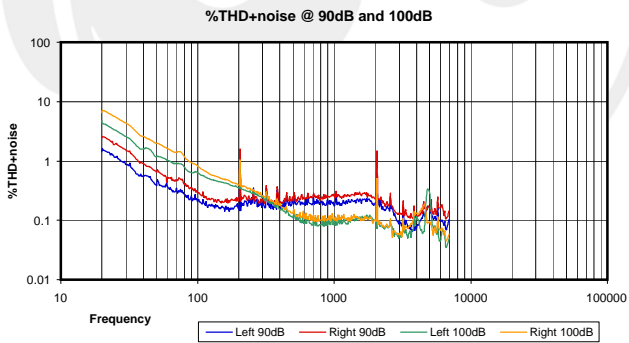
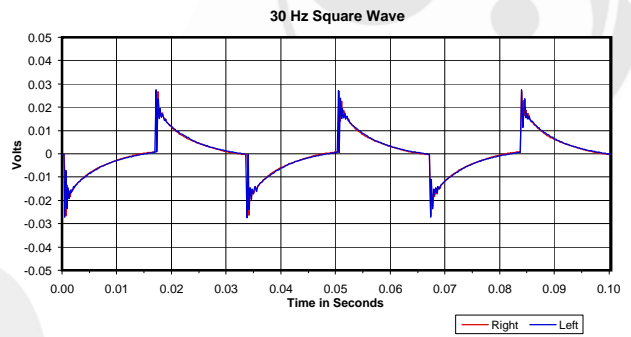
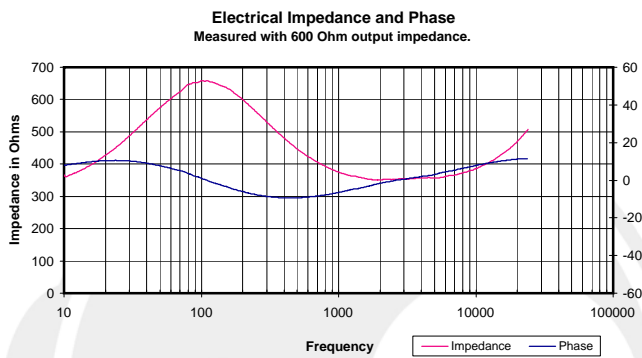
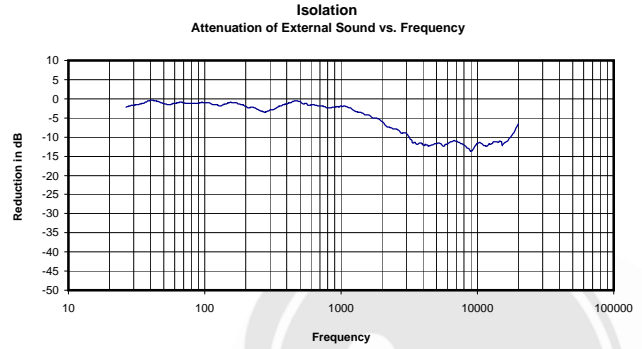
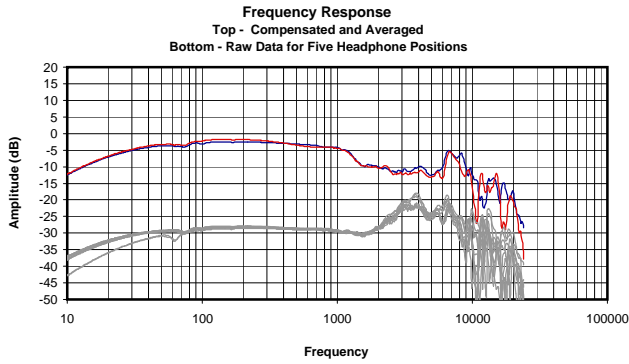




Volts RMS required to reach 90dB SPL:
Impedance @ 1kHz:
Power Needed for 90d BSPL
Broadband Isolation in dB (100Hz to 10kHz):

0.219 Vrms
370 Ohms
0.13 mW
-5 dBr

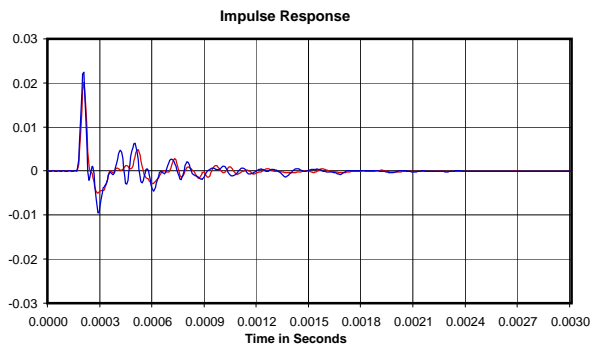
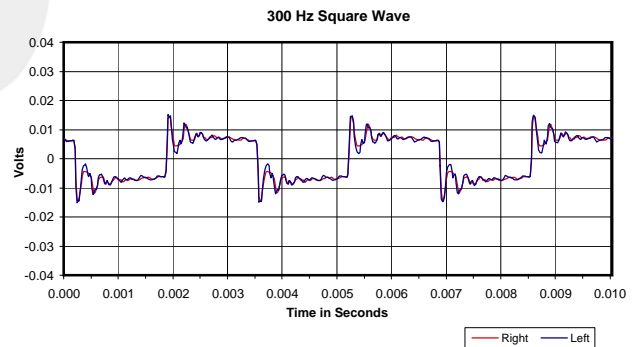
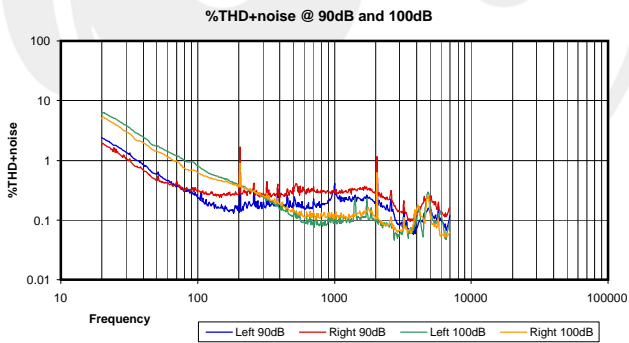
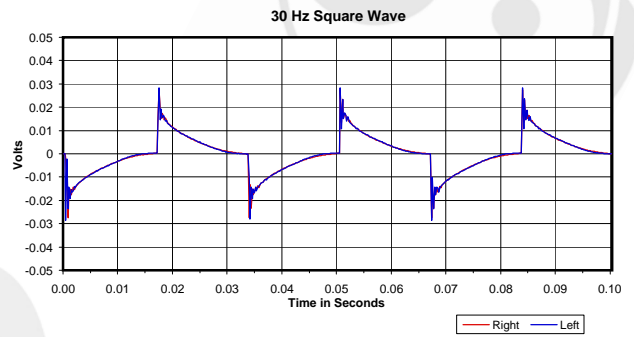
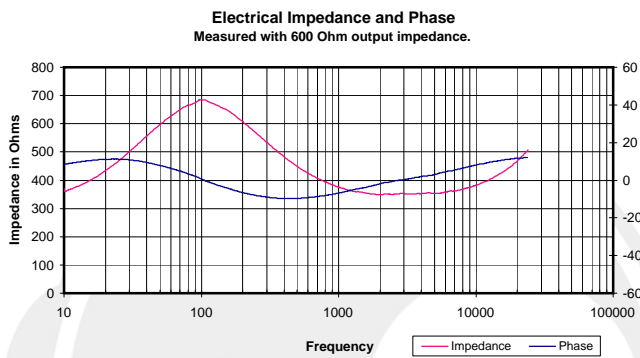
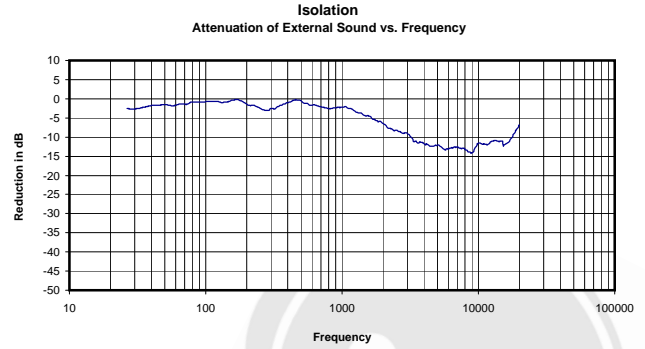
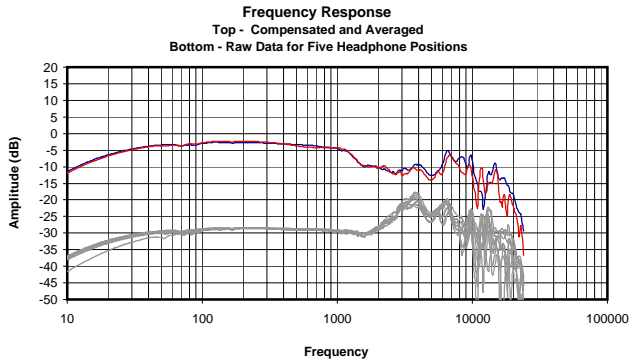




Volts RMS required to reach 90dB SPL:
Impedance @ 1kHz:
Power Needed for 90d BSPL
Broadband Isolation in dB (100Hz to 10kHz):

0.224 Vrms
375 Ohms
0.13 mW
-5 dBr

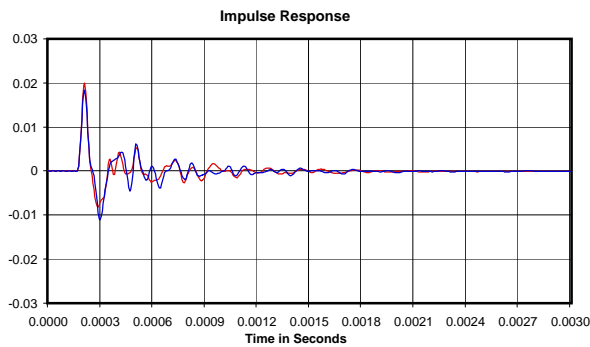
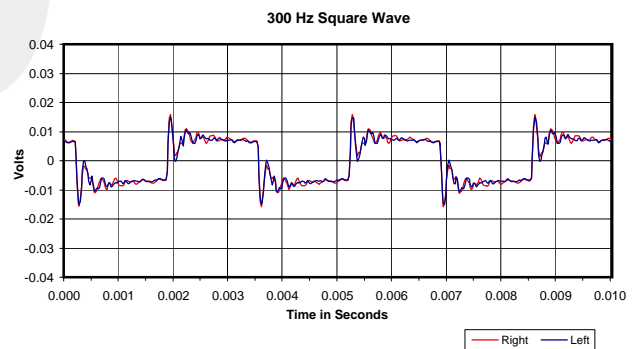
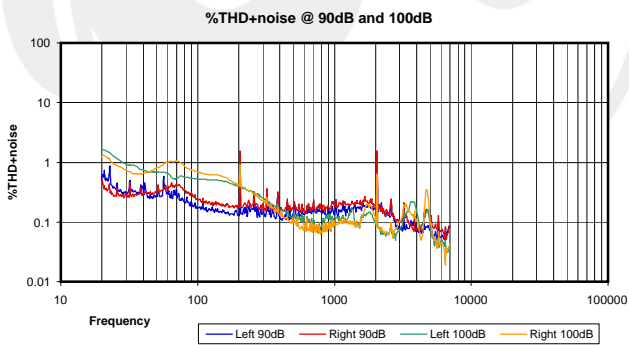
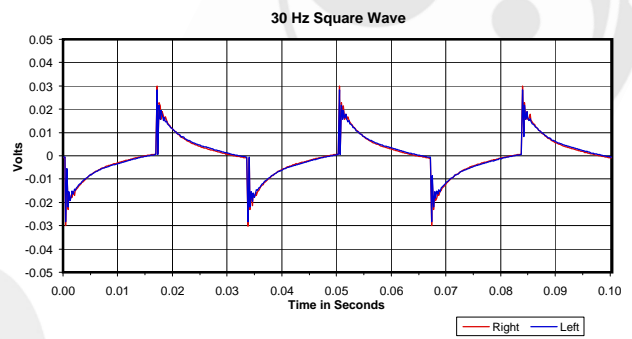
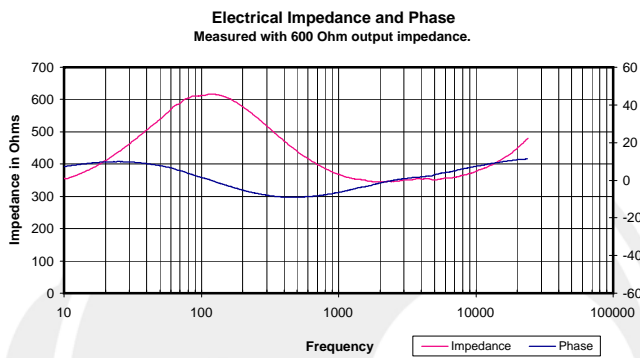
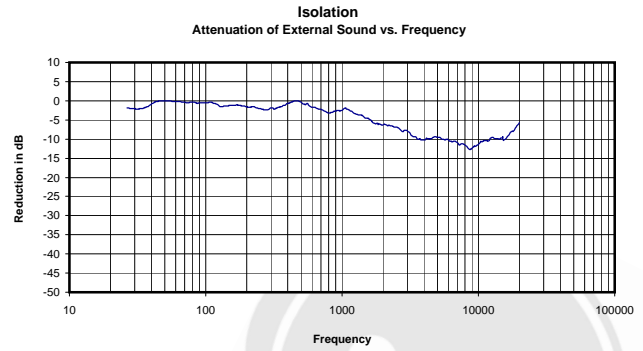
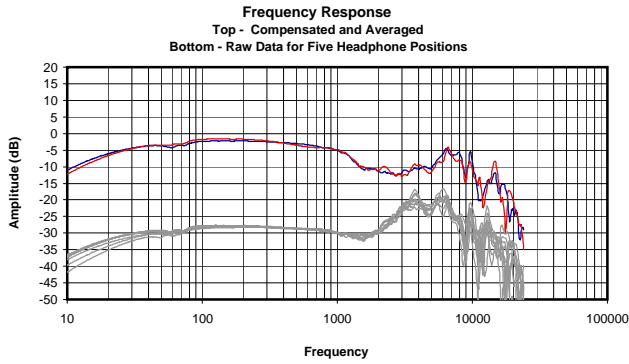




Volts RMS required to reach 90dB SPL:
Impedance @ 1kHz:
Power Needed for 90d BSPL
Broadband Isolation in dB (100Hz to 10kHz):

5.863 Vrms
376 Ohms
91.52 mW
-5 dBr

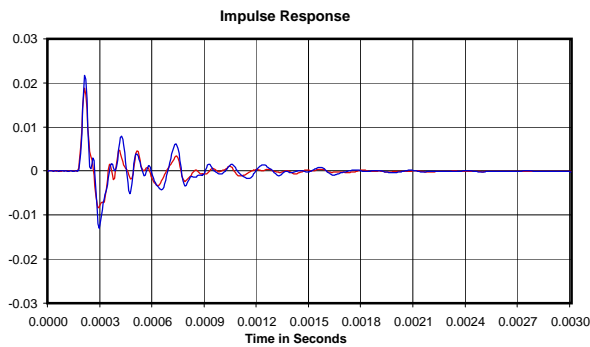
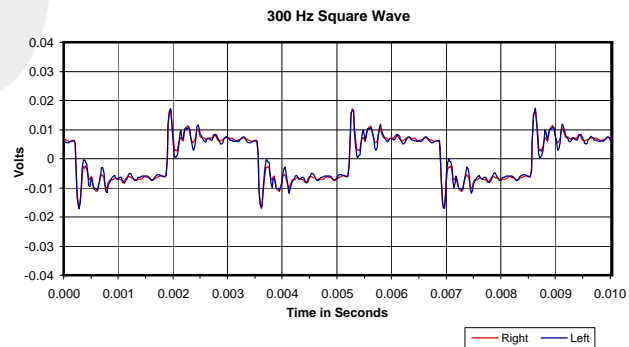
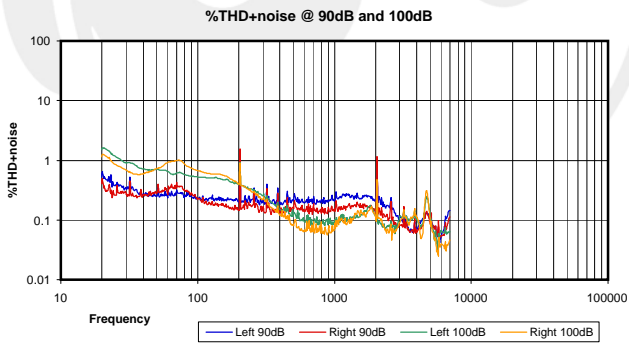
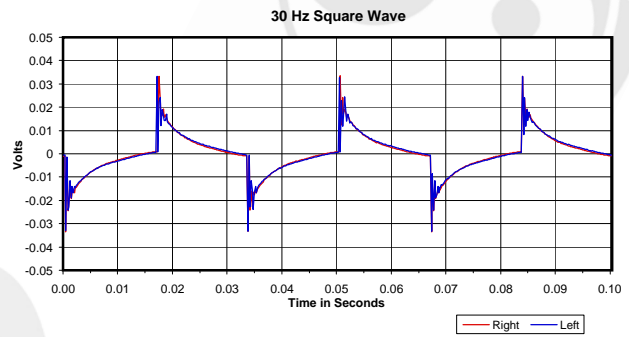
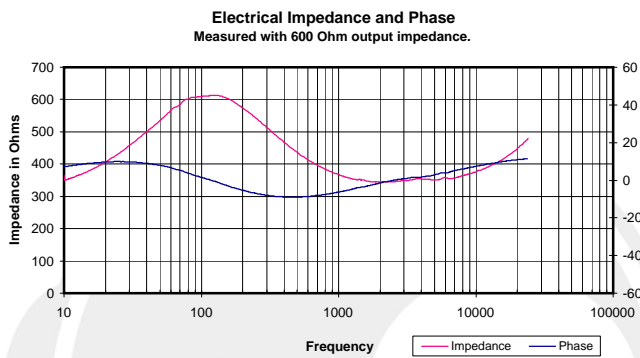
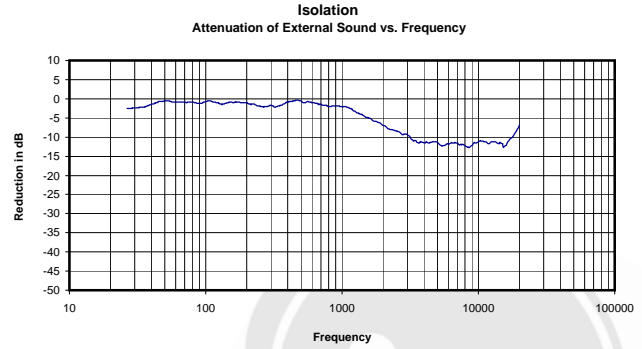
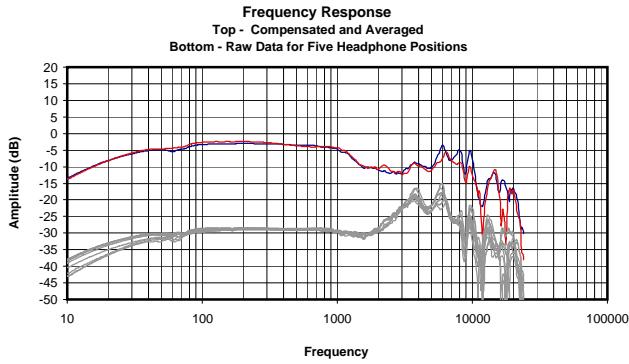




Volts RMS required to reach 90dB SPL:
Impedance @ 1kHz:
Power Needed for 90d BSPL
Broadband Isolation in dB (100Hz to 10kHz):

0.257 Vrms
368 Ohms
0.18 mW
-5 dBr

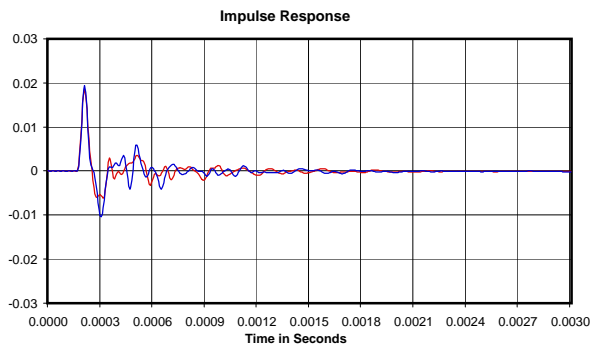
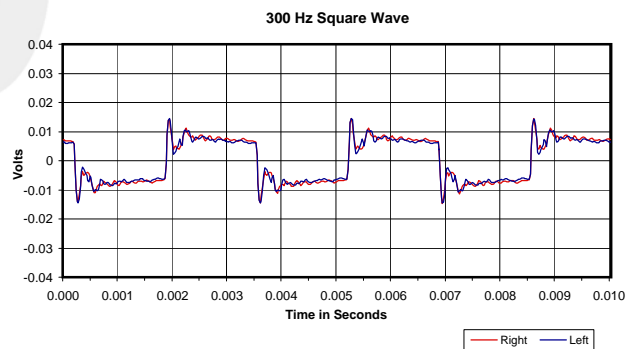
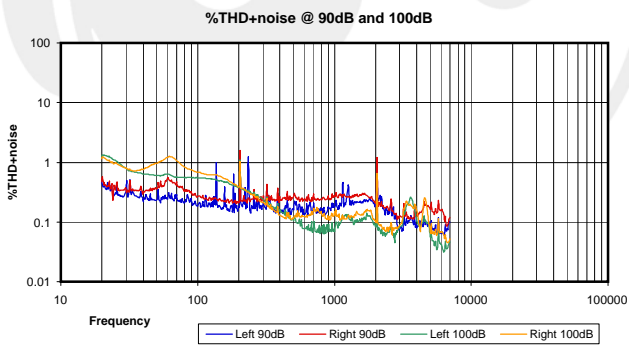
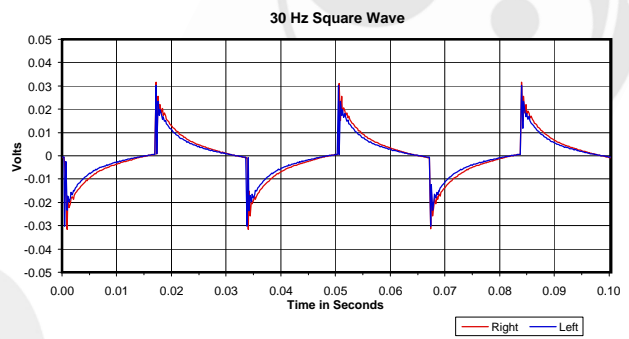
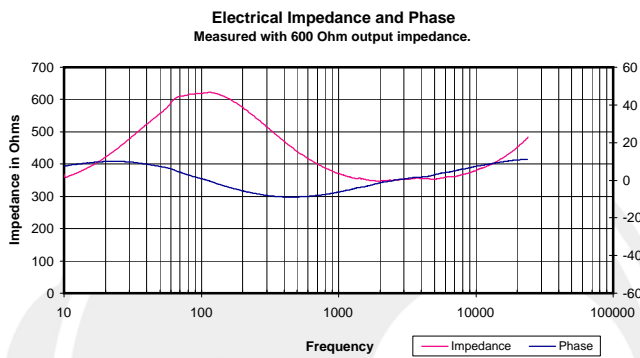
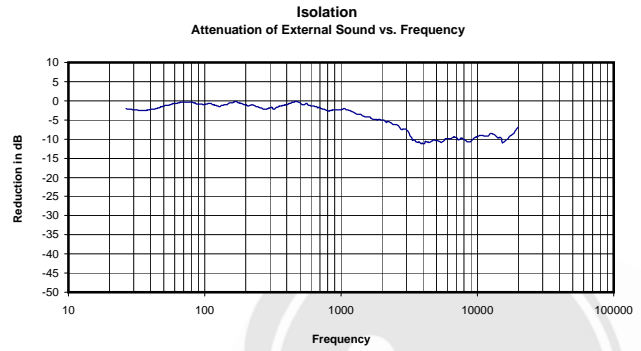
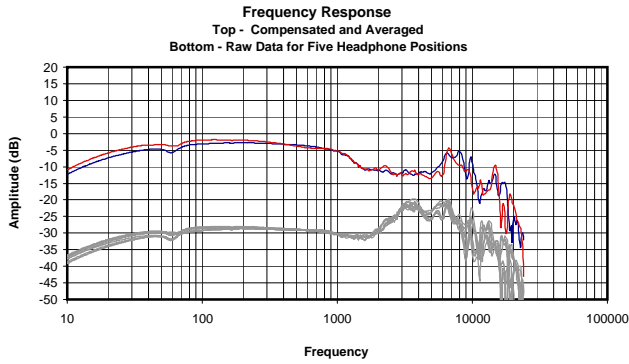




Volts RMS required to reach 90dB SPL:
Impedance @ 1kHz:
Power Needed for 90d BSPL
Broadband Isolation in dB (100Hz to 10kHz):

0.257 Vrms
367 Ohms
0.18 mW
-5 dBr

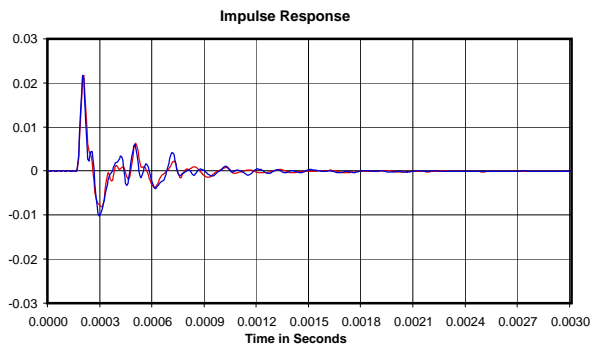
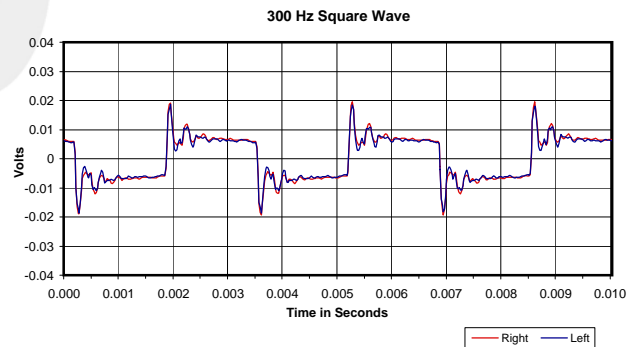
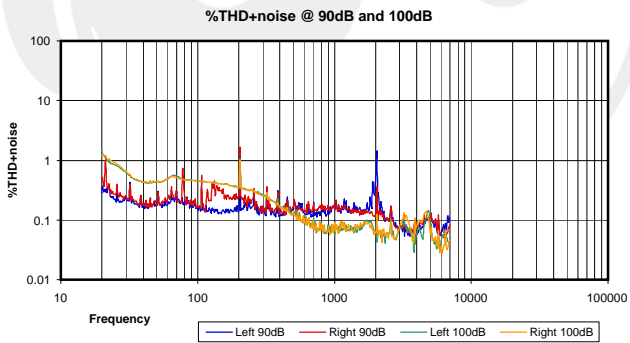
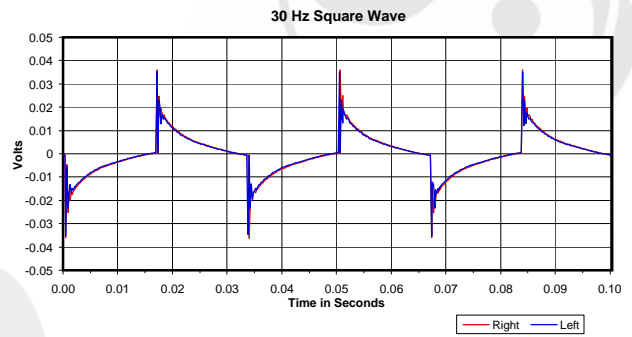
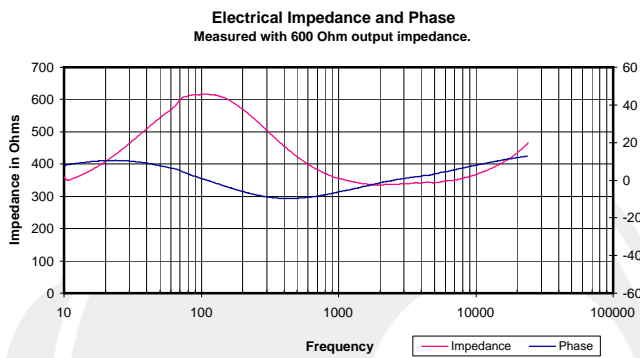
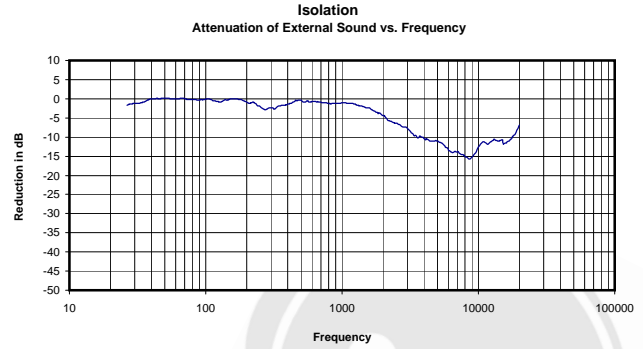
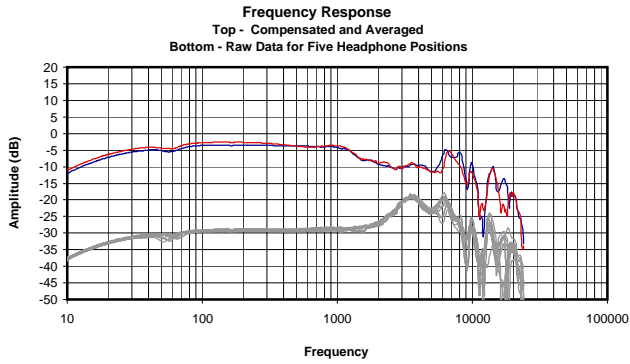




Volts RMS required to reach 90dB SPL:
Impedance @ 1kHz:
Power Needed for 90d BSPL
Broadband Isolation in dB (100Hz to 10kHz):

0.257 Vrms
370 Ohms
0.18 mW
-4 dBr



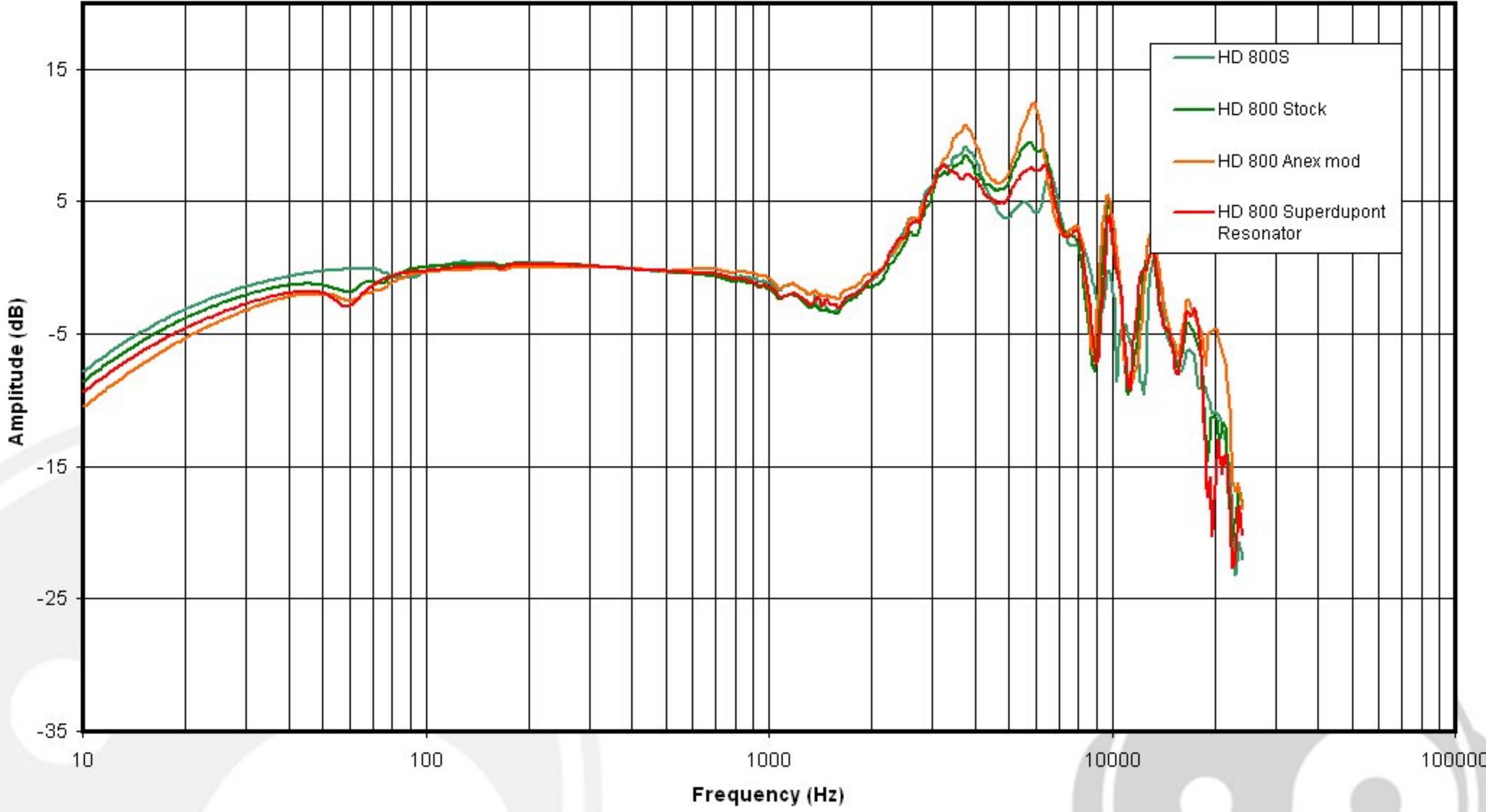


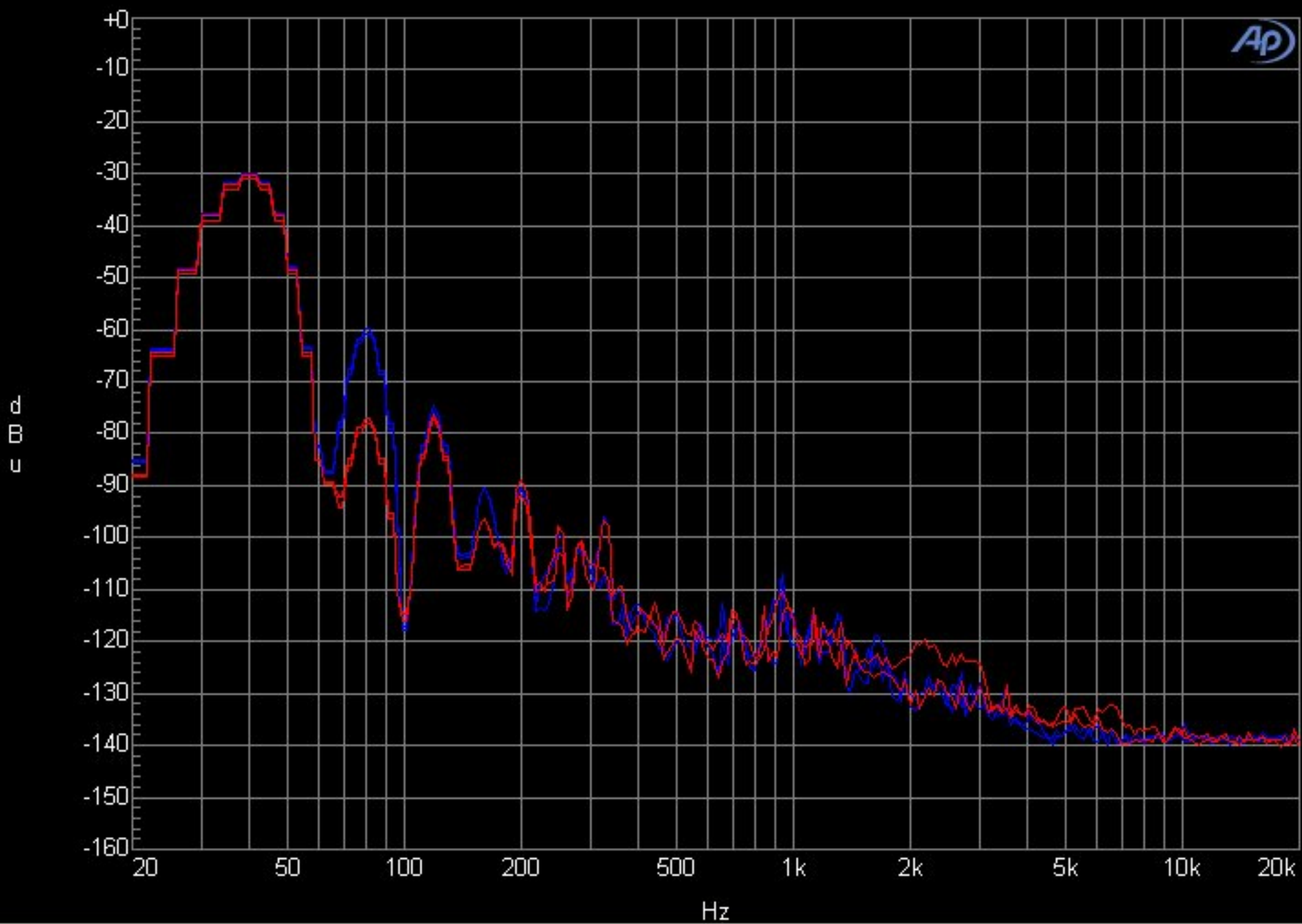
Volts RMS required to reach 90dB SPL:
Impedance @ 1kHz:
Power Needed for 90d BSPL
Broadband Isolation in dB (100Hz to 10kHz):

0.207 Vrms
356 Ohms
0.12 mW
-5 dBr



Frequency Response Comparison of the HD 800S and DIY Modified HD 800 Variants





	Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
<input checked="" type="checkbox"/>	1	1	Blue	Solid	1	Fft.Ch.1 Ampl	Left	HD 800S Left
<input checked="" type="checkbox"/>	1	2	Blue	Solid	1	Fft.Ch.2 Ampl	Left	HD 800S Right
<input checked="" type="checkbox"/>	2	1	Red	Solid	1	Fft.Ch.1 Ampl	Left	HD 800 DP Mod Left
<input checked="" type="checkbox"/>	2	2	Red	Solid	1	Fft.Ch.2 Ampl	Left	HD 800 DP Mod Right