Headphone Measurements: Grado HF-1 Prototype

**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.

**%THD+noise @ 90dB and 100dB**

**Impulse Response**

Volts RMS required to reach 90dB SPL: 0.126 Vrms
Impedance @ 1kHz: 34 Ohms
Power Needed for 90dB SPL: 0.47 mW
Broadband Isolation in dB (100Hz to 10kHz): -1 dB