**Headphone Measurements:**

**Monster Beats by Dr Dre Solo HD**

- **Volts RMS required to reach 90dB SPL:** 0.030 Vrms
- **Impedance @ 1kHz:** 35 Ohms
- **Power Needed for 90d BSPL:** 0.03 mW
- **Broadband Isolation in dB (100Hz to 10kHz):** -17 dB

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**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: 0.030 Vrms
Impedance @ 1kHz: 35 Ohms
Power Needed for 90d BSPL: 0.03 mW
Broadband Isolation in dB (100Hz to 10kHz): -17 dB

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