**Headphone Measurements:**

**Sennheiser HD 238**

- **Volts RMS required to reach 90dB SPL:** 0.119 Vrms
- **Impedance @ 1kHz:** 37 Ohms
- **Power Needed for 90d BSPL:** 0.38 mW
- **Broadband Isolation in dB (100Hz to 10kHz):** -1 dB

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**Frequency Response**

Top - Compensated and Averaged

Bottom - Raw Data for Five Headphone Positions

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**Electrical Impedance and Phase**

Measured with 600 Ohm output impedance.

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

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**30 Hz Square Wave**

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**300 Hz Square Wave**

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**Impulse Response**

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