Headphone Measurements: Ultimate Ear UE500

**Headphone Measurements:**

- **Volts RMS required to reach 90dB SPL:** 0.037 Vrms
- **Impedance @ 1kHz:** 16 Ohms
- **Power Needed for 90dB SPL:** 0.09 mW
- **Broadband Isolation in dB (100Hz to 10kHz):** -37 dB

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**Frequency Response**

- **Top:** Compensated and Averaged
- **Bottom:** Raw Measured Data

**Isolation**

- **Attenuation of External Sound vs. Frequency**

**Electrical Impedance and Phase**

- Measured with 600 Ohm output impedance.

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

**30 Hz Square Wave**

**300 Hz Square Wave**

**Impulse Response**

- Time in Seconds: 0.000 to 0.010
- Volts: -0.04 to 0.04

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