**Headphone Measurements: Grado PS1000**

**Headphones**

**Impedance at 1 kHz:** 33 Ohms

**Power Needed for 90 dB SPL:** 1.09 mW

**Broadband Isolation in dB (100 Hz to 10 kHz):** -2 dBr

**Electrical Impedance and Phase**

Measured with 600 Ohm output impedance.

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

- **30 Hz Square Wave**
  - Left 90dB
  - Right 90dB

- **300 Hz Square Wave**
  - Left 100dB
  - Right 100dB

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

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

**Impulse Response**

Volts RMS required to reach 90dB SPL: 0.189 Vrms
Impedance @ 1kHz: 33 Ohms
Power Needed for 90dB SPL: 1.09 mW
Broadband Isolation in dB (100Hz to 10kHz): -2 dBr

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