**Headphone Measurements:**  
AKG K3003 Reference Filter

**Frequency Response**  
Top - Compensated and Averaged  
Bottom - Raw Measured Data

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

**Impulse Response**

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

**30 Hz Square Wave**

**300 Hz Square Wave**

**Electrical Impedance and Phase**  
Measured with 600 Ohm output impedance.

- **Amplitude (dB)**
- **Phase in Degrees**

**Volts RMS required to reach 90dB SPL: 0.023 Vrms**
- **Impedance @ 1kHz: 9 Ohms**
- **Power Needed for 90dB SPL: 0.06 mW**
- **Broadband Isolation in dB (100Hz to 10kHz): -16 dB**

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