**Headphone Measurements: Apple iPod Ear Bud sample B**

**Impulse Response**

Volts RMS required to reach 90dB SPL: 0.077 Vrms  
Impedance @ 1kHz: 34 Ohms  
Power Needed for 90dB SPL: 0.17 mW  
Broadband Isolation in dB (100Hz to 10kHz): 0 dB

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**Impedance and Phase**

Measured with 600 Ohm output impedance.

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**Isolation**

Attenuation of External Sound vs. Frequency

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**Frequency Response**

Top - Compensated and Averaged  
Bottom - Raw Data for Five Headphone Positions

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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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