**Headphone Measurements:**

Audio Technica ATH-ES55

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### Frequency Response

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

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### Impulse Response

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### Electrical Impedance and Phase

Measured with 600 Ohm output impedance.

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### Isolation

Attenuation of External Sound vs. Frequency

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### Volts RMS required to reach 90dB SPL

0.033 Vrms

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### Impedance @ 1kHz

40 Ohms

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### Power Needed for 90dB SPL

0.03 mW

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### Broadband Isolation in dB (100Hz to 10kHz)

-8 dB

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