Headphone Measurements: Audio Technica ATH-M10

**Headphone Measurements:**

- Volts RMS required to reach 90dB SPL: 0.032 Vrms
- Impedance @ 1kHz: 46 Ohms
- Power Needed for 90dBSPL: 0.02 mW
- Broadband Isolation in dB (100Hz to 10kHz): -9 dB

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**Frequency Response**

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

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**Isolation**

- Attenuation of External Sound vs. Frequency

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**Impulse Response**

- Time in Seconds

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

- Frequency

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**30 Hz Square Wave**

- Time in Seconds

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**300 Hz Square Wave**

- Time in Seconds

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**Electrical Impedance and Phase**

- Measured with 600 Ohm output impedance.

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

- Frequency

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