Headphone Measurements: Audio Technica ATH-MSR7NC
ANC Active

- **Volts RMS required to reach 90dB SPL:** 0.031 Vrms
- **Impedance @ 1kHz:** 149 Ohms
- **Power Needed for 90dB SPL:** 0.01 mW
- **Broadband Isolation in dB (100Hz to 10kHz):** -17 dB

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

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

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

**30 Hz Square Wave**

**300 Hz Square Wave**

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

**Impulse Response**