**Headphone Measurements:**

**Philips Fidelio X2**

- **Volts RMS required to reach 90dB SPL:** 0.089 Vrms
- **Impedance @ 1kHz:** 35 Ohms
- **Power Needed for 90d BSPL:** 0.23 mW
- **Broadband Isolation in dB (100Hz to 10kHz):** -9 dBr

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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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**Electrical Impedance and Phase**

*Measured with 600 Ohm output impedance.*

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

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**30 Hz Square Wave**

**300 Hz Square Wave**

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**Impulse Response**

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