**Headphone Measurements:**

**Radius HP-TWF31**

**Headphone Measurements:**

- **Volts RMS required to reach 90dB SPL:** 0.038 Vrms
- **Impedance @ 1kHz:** 36 Ohms
- **Power Needed for 90dB SPL:** 0.04 mW
- **Broadband Isolation in dB (10Hz to 10kHz):** -14 dB

**Isolation**

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

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**Graphs:**

- **Frequency Response**
  - Top: Compensated and Averaged
  - Bottom: Raw Measured Data
- **Impulse Response**
- **%THD+noise @ 90dB and 100dB**
  - Left 90dB
  - Right 90dB
  - Left 100dB
  - Right 100dB
- **30 Hz Square Wave**
- **300 Hz Square Wave**
- **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**

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