Wireless Automated Hearing Test System (WAHTS)

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Audiometer, Sound Booth and Earphones, All in One

- Wireless
- User interface is through mobile device (iOS or Android)
- Meets ANSI S3.6 Standard

High Ambient Noise Attenuation

- Measure normal (0 dB HL) thresholds in 55-60 dBA of ambient noise
- Meet OSHA requirements in 65-70 dBA of noise
Test Outside the Sound Booth

Use off-the-shelf sound level meter to monitor noise during a test
- Measure normal (0 dB HL) thresholds in 55-60 dBA of ambient noise
- Meet OSHA requirements in 65-70 dBA of noise

Validated in many settings

See Meinke et al (2017) for study in industrial setting
In use for research in the Military, health fairs, epidemiology studies, drug development studies for 2+ years

Capabilities

Device to be registered with the FDA as an audiometer
First FDA-qualified devices available Summer 2019
- Automated audiometry
- Manual audiometry
- Automated screening
- Manual screening
- Speech-in-noise
- Many other tests possible for research applications

Note: this is a device in transition from research to clinical application