

*** * * FOR IMMEDIATE RELEASE * * ***

September 24, 2004

Audioscan's Dual-Source Directional Microphone Test Now Available As Real-Ear Measure

Audioscan of Dorchester, Ontario, manufacturer of the Verifit clinical hearing instrument verification system, has recently expanded the Verifit's unique "dual source" test-box directional microphone test to include real-ear measurement testing as well. Verifit owners equipped with the latest V2.2 operating software can purchase an accessory sound-field speaker mounted on its own tripod. When this auxiliary sound-field speaker is placed behind the patient's head, a real-ear measurement of directional microphone performance can be obtained.

Verifit's directional test produces a dual-trace frequency response curve using a patented simultaneous dual-noise input stimulus paradigm. Each speaker produces a broadband noise consisting of a series of 500 pure tones, each separated by sixteen hertz. Since the pure tones used to create each broadband noise are unique to each speaker, the output produced by each can be analyzed separately. The resulting analysis produces two simultaneous and distinct frequency response traces in real time, one representing the output of the hearing instrument to front speaker input, and one representing the output of the hearing instrument to rear speaker input.

Dual-source directional microphone testing allows directional measurements to be made on non-linear aids while in compression - something that is not possible with more conventional polar plot test procedures. In addition, dual source directional microphone measurements provide directional data across the entire frequency response rather than for a single frequency. The real-time nature of the test clearly verifies and demonstrates the operation of adaptive directional systems in reducing the output from unwanted noise sources.

For more information about the Verifit system or real-ear dual-source directional microphone test, contact Audioscan at 800-265-2093 or email them at info@audioscan.com.

#