

Verification of ear-to-ear communication using AURICAL HIT

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Ear-to-ear communication is steadily increasing in today's hearing aid solutions. This technology is applied in CROS and BiCROS fittings as well as in advanced adaptive solutions where the hearing devices synchronize their behavior based on various analyses of the acoustical environment.

In all cases, there is a need for an easy approach to verifying the functionality of these solutions.

AURICAL HIT and the OnePosition method was designed with 3 coupler positions– internal BTE, internal ITE/RIC and external. The external coupler position when combined with the elevation plate addresses verification of FM and other assistive wireless systems. However, until now there was no solution for an easy way of verifying ear-to-ear technology (E2E).

In general, E2E is verified by presenting stimulus to the microphone of the transmitter device (severe/profound ear for CROS) and analyzing the sound recorded by the receiver device (better ear for CROS).



The E2E verification kit includes a passive coupler and 2 coupler adaptors allowing you to place the transmitter device inside AURICAL HIT just as a normal hearing instrument. The receiver device is attached to the regular coupler and placed in the external accessory module connected to AURICAL HIT.

This setup allows generic verification of ear-to-ear technology and does not require any additional settings in OTOSuite except for selecting 2cc mode in the PMM module

Please make sure that the external accessory module is placed close to AURICAL HIT as the operating range of ear-to-ear communication is limited.

Please note that the E2E verification kit is only available for sales professionals to demonstrate the ear-to-ear verification. The availability of this kit as an accessory is yet to be determined.

For more information, please contact Peter Kossek

