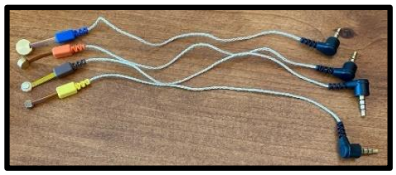
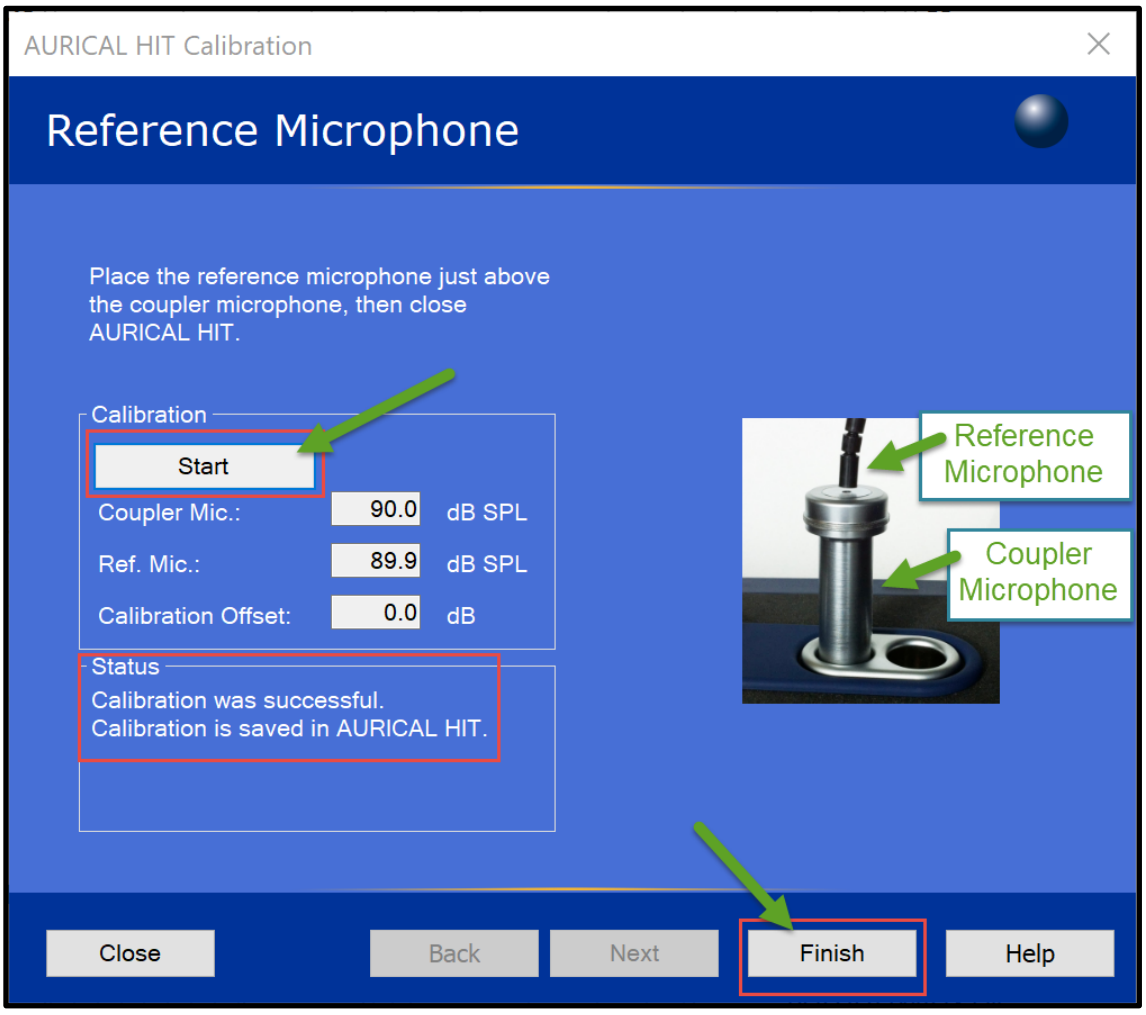
Aurical HIT Accessories

Reference Microphone		Accessory Box	
Coupler Microphone		HA-1 Adaptor	
Coupler Adaptor		HA-2 Adaptor with BTE tube	
Elevation Plate		Battery Pills	

Aurical HIT Reference Microphone Calibration:

Calibration is required if the unit is moved from the room or can be scheduled for reminder to update on a daily, weekly or monthly schedule and an automated window will prompt the user to perform the calibration. This can be set up via Tools -> Configuration Wizard -> HIT -> Configure -> Next -> Specify Calibration Frequency (Select Daily, Weekly, or Monthly) -> Finish

1. Detach the coupler adapter (if attached) from the coupler microphone
2. Place coupler microphone in the position furthest from the speaker
3. Adjust the reference (gooseneck) microphone directly above the coupler microphone without touching (as shown in photograph)
4. Close the lid and hit “Start”
5. Once complete, Status should be “Calibration was successful.” Select Finish (If status was unsuccessful, ensure lid was closed and check coupler and reference microphone connections)



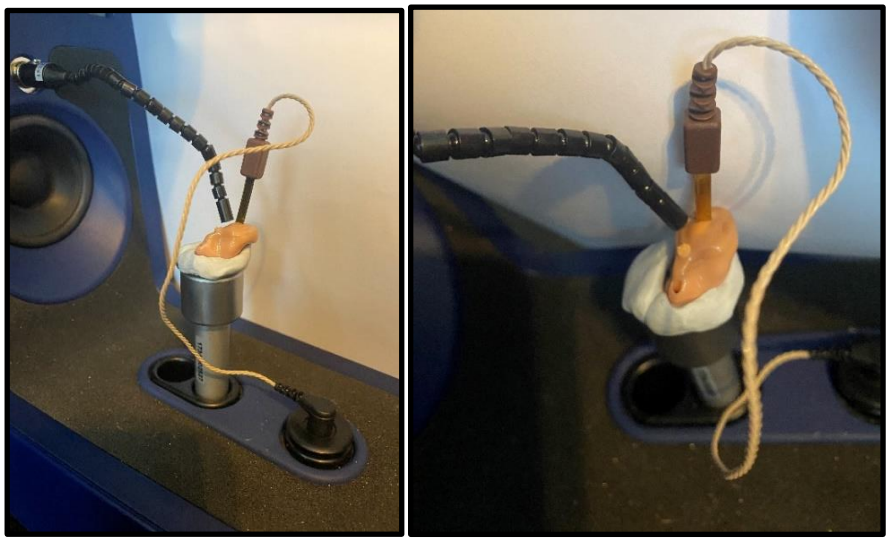
Hearing Aid Assembly with HA-1 and HA-2 Couplers and Battery Pill (if needed):

- Couplers connect to the coupler adaptor depending on the hearing aid being used with blue tack or the black tubing.The couplers used are the HA-1 (ITE, RITE/RIC) and HA-2 (BTE).
- Battery pills are used when running the ANSI test to measure the hearing aid's battery drain or can be used to provide power to the hearing aid without using a battery. Select the correct battery pill size (the color coordinates to the battery pack colors: 675-blue, 13-orange, 312-brown, 10-yellow). Open the hearing aid battery door, remove battery, place battery pill and close battery door.

1) HA-1 Assembly for ITE hearing aid

a. Clean HA and change wax guard prior to testing. Attach ITE, ITC, CIC or IIC hearing aid to HA-1 adaptor with Blu-Tack putty (Ensure receiver is not covered by putty; Ensure HA vent is occluded with putty from the top or bottom of HA)

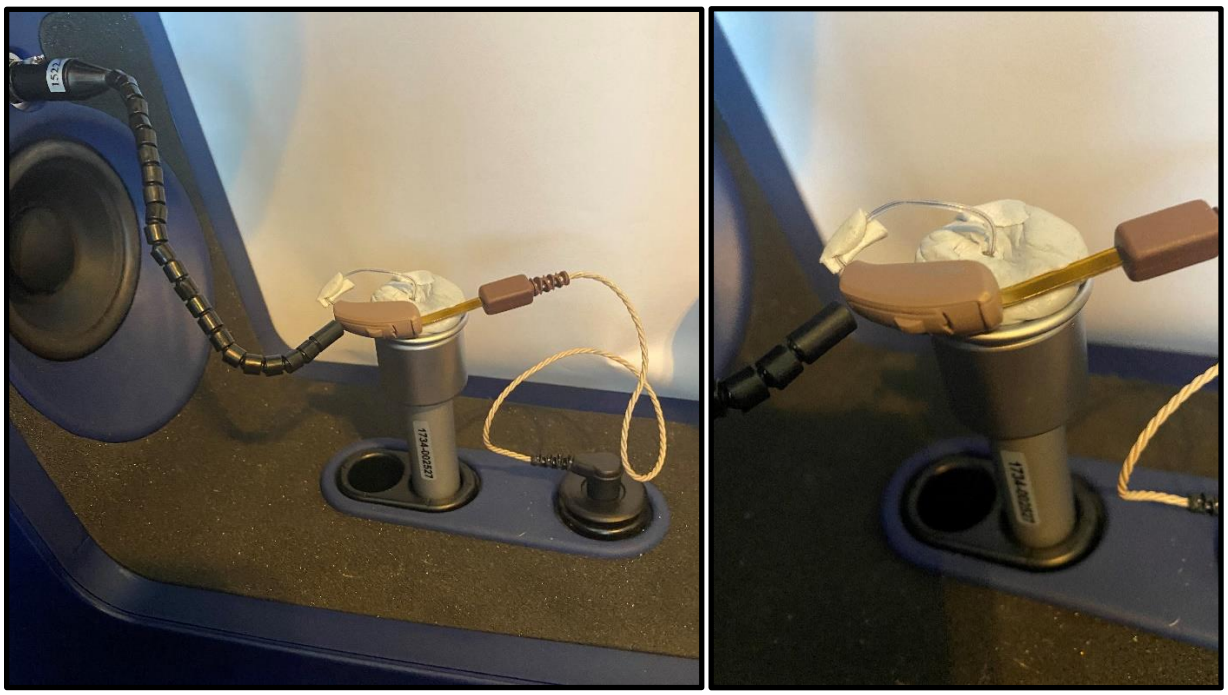
b. Attach HA-1 coupler with hearing aid to the coupler adaptor and snap onto coupler microphone. Place coupler microphone in position further from the speaker so that the front hearing aid microphone is in line with the HIT speaker. Adjust the reference (gooseneck) microphone directly above the front hearing aid microphone without touching. Insert fresh battery into HA or attach battery pill (if analyzing battery drain). Close the lid to begin testing.



2) HA-1 Assembly for RITE/RIC hearing aid

a. Remove hearing aid dome and change wax guard prior to testing. Attach RITE/RIC hearing aid to HA-1 adaptor with Blu-Tack putty (Ensure receiver is not covered by putty). Attach small piece of putty to receiver wire to prevent artifact.

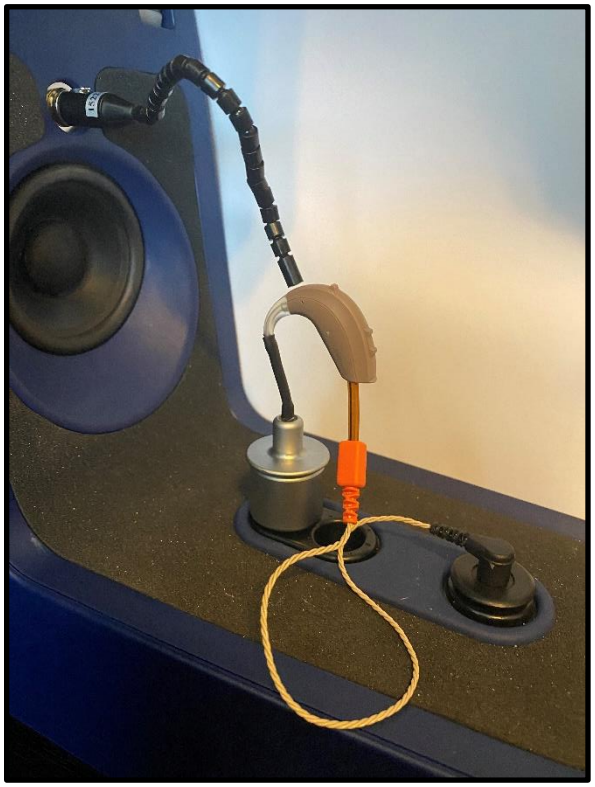
b. Attach HA-1 coupler with hearing aid to the coupler adaptor and snap onto coupler microphone. Place coupler microphone in position further from the speaker so that the front hearing aid microphone is in line with the HIT speaker. Adjust the reference (gooseneck) microphone directly above the front hearing aid microphone without touching. Insert fresh battery into HA or attach battery pill (if analyzing battery drain). Close the lid to begin testing.



3) HA-2 Assembly for BTE hearing aid

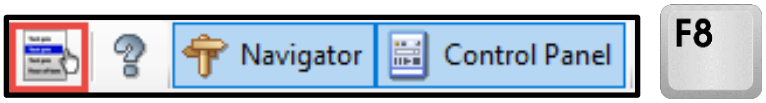
a. Remove earmold from hearing aid prior to testing. Attach BTE hearing aid to HA-2 via black tube adaptor.

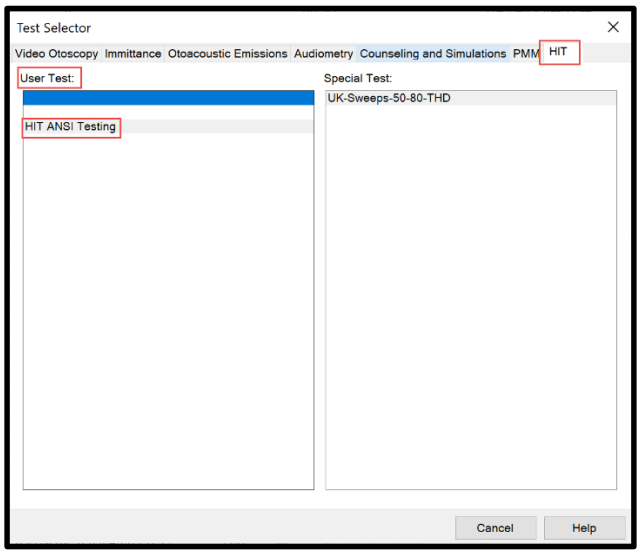
b. Attach HA-2 coupler with hearing aid to the coupler adaptor and snap onto coupler microphone. Place coupler microphone in position closest to the speaker so that the front hearing aid microphone is in line with the HIT speaker. Adjust the reference (gooseneck) microphone directly above the front hearing aid microphone without touching. Insert fresh battery into HA or attach battery pill (if analyzing battery drain). Close the lid to begin testing.

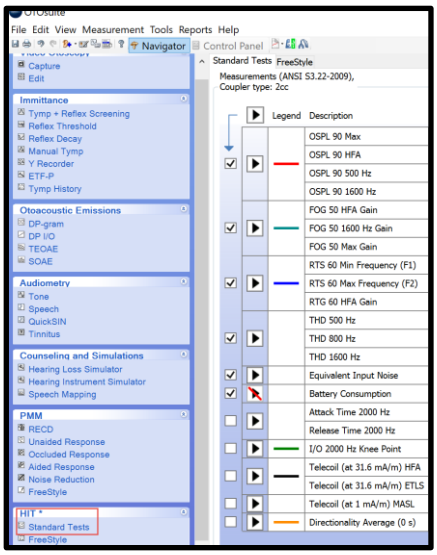


Aurical HIT Testing in Otosuite for ANSI Measurements: (Select via 1 of these 2 options)

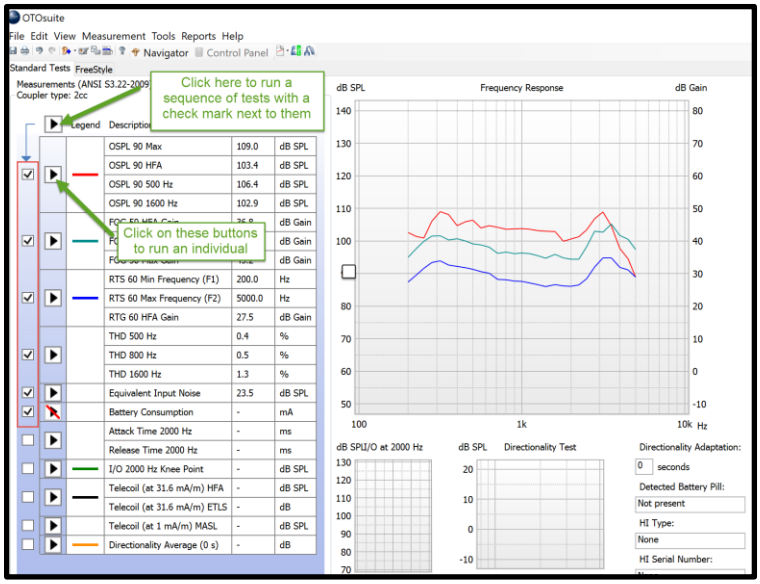
- Use Test Selector via shortcut icon on toolbar or F8 on keyboard to select saved User Test for HIT module for ANSI testing
- Use Navigator in Toolbar and Select "Standard Tests" under HIT in Control Panel

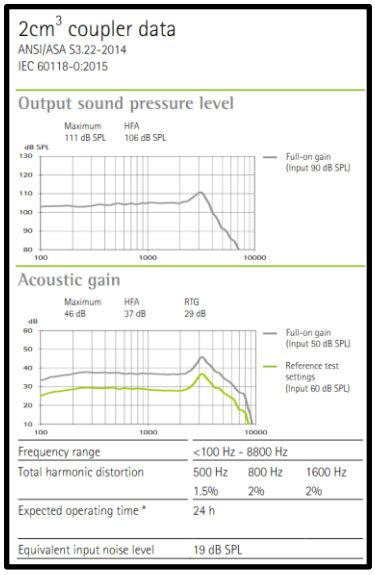






In Otosuite, run a sequence of tests that are selected or run a specific test by selecting arrow. To compare to manufacturer specifications, be sure to place HA in test mode in HA manufacturer software and then compare manufacturer specification sheet to ANSI results in Otosuite



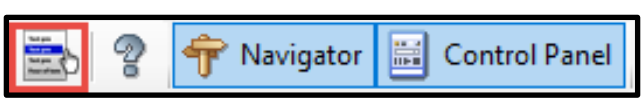


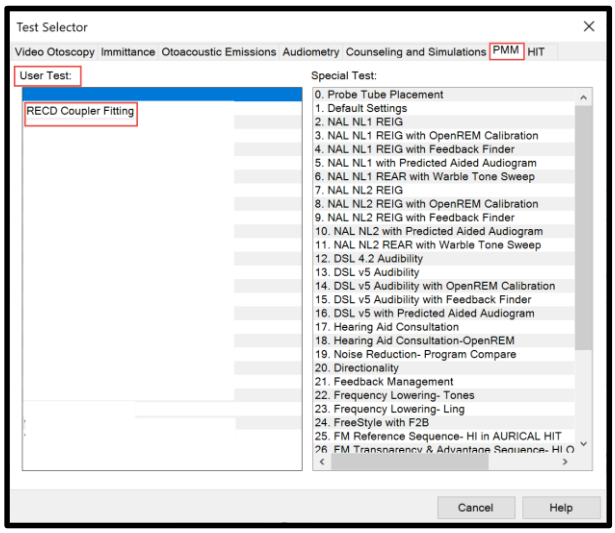
Max OSPL 90 +/- 3dB; HFA OSPL 90 +/- 4dB; HFA FOG +/- 5dB (Measure at FOG)
THD +3%; EIN +3dB; Battery Drain within 20% (Measure at RTS)

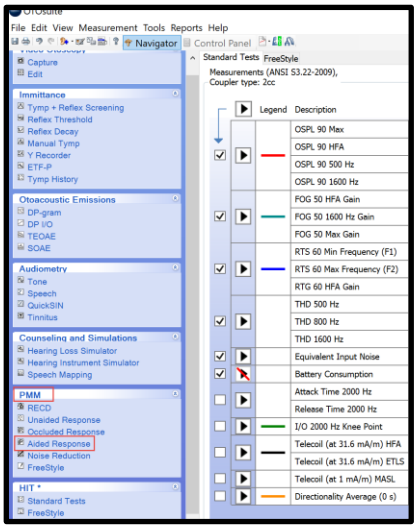
Fonix ANSI 2009 Workbook

Aurical HIT for RECD and Coupler Based Fitting in Otosuite: (Select via 1 of these 2 options)

- Use Test Selector via shortcut icon on toolbar or F8 on keyboard to select saved User Test for PMM module for Coupler Based Fitting
- Use Navigator in Toolbar and Select “RECD” or “Aided Response” under PMM in Control Panel







In Otosuite, switch from “Ear” icon to “Coupler” icon to complete Coupler Based Fitting on Aided Response Tab. Adjust Fitting Details as needed and complete fitting as needed in PMM module. To complete RECD measurements, refer to “Using RECD for Coupler-based Fitting with Aurical” Education Resource Document

Change from Real Ear  To Coupler