

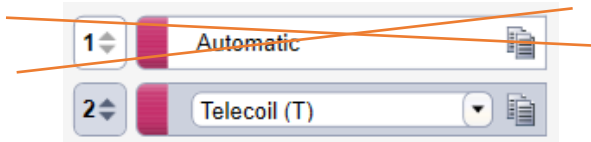


## Using the Verifit 1 to verify telecoil transparency in hearing aids

Juliëtte Sterkens, AuD  
[isterkens@hearingloss.org](mailto:isterkens@hearingloss.org)



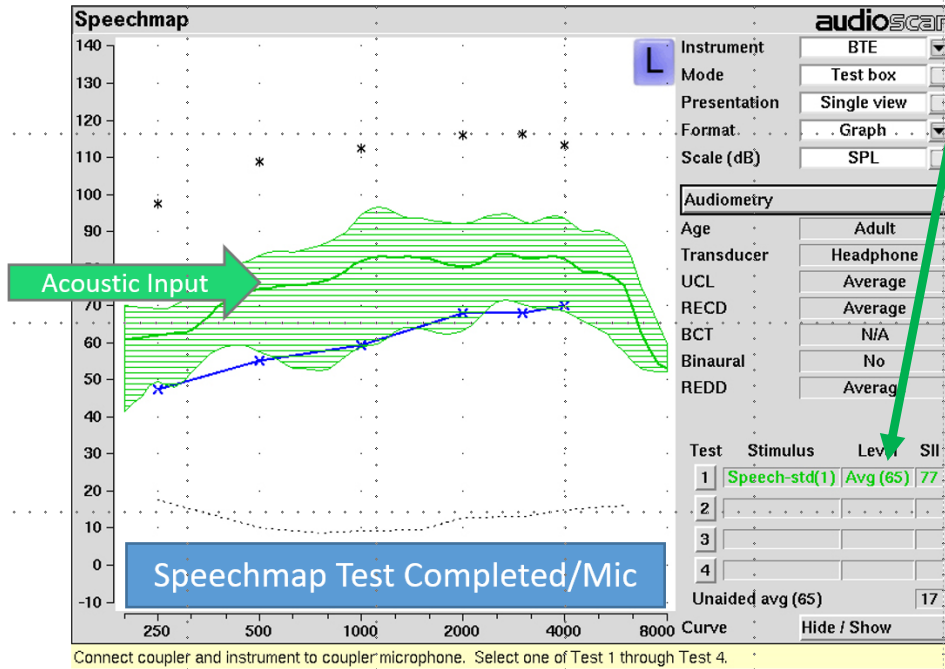
Program the hearing instrument with a separate telecoil/T-coil program. Know that an “autocoil” setting will not work for your client in a hearing loop or while using a neckloop. Be sure you are programming a “Public Loop” or “Public T” and not a Phone T.



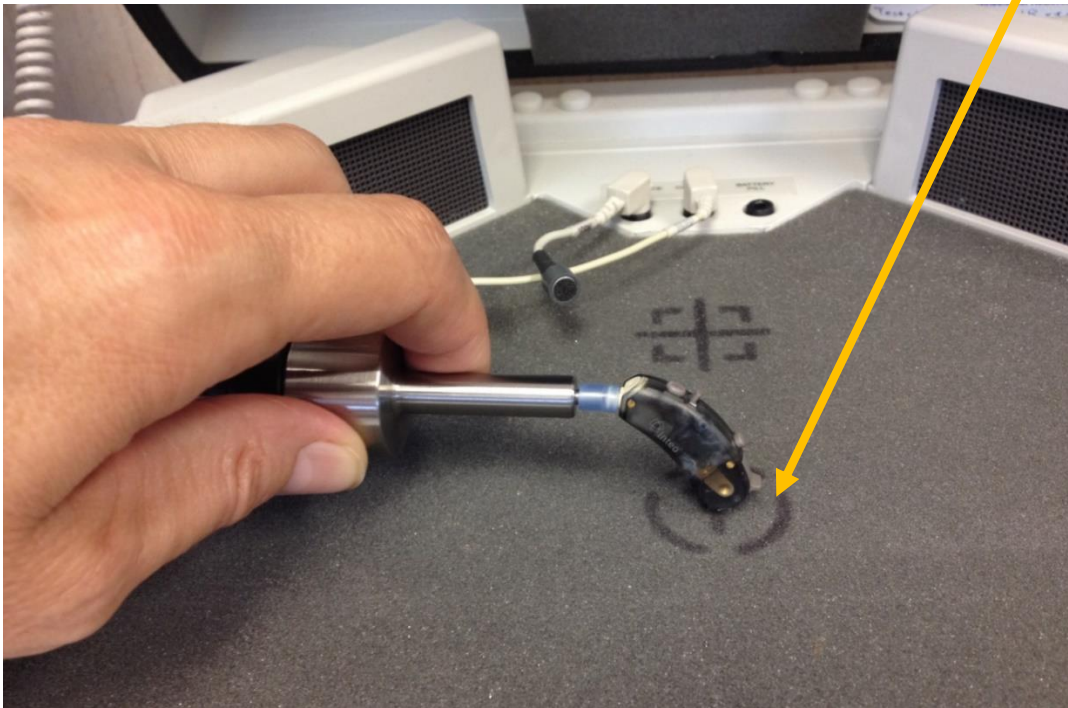
1. Test the telecoil **after** you are finished programming and you have verified that the acoustic settings are appropriate for your client. Remove the instrument from the client’s ear. Position the hearing aid in the test box for a Frequency Response Test. Know that this is NOT an ANSI test measure. You are simply going to measure if the Mic response to a 65dB acoustic speech input matches the response to a 65dB magnetic speech input. The goal is the compare the two responses and, if needed, reprogram the telecoil response so it matches the mic response as closely as possible. Close the lid.



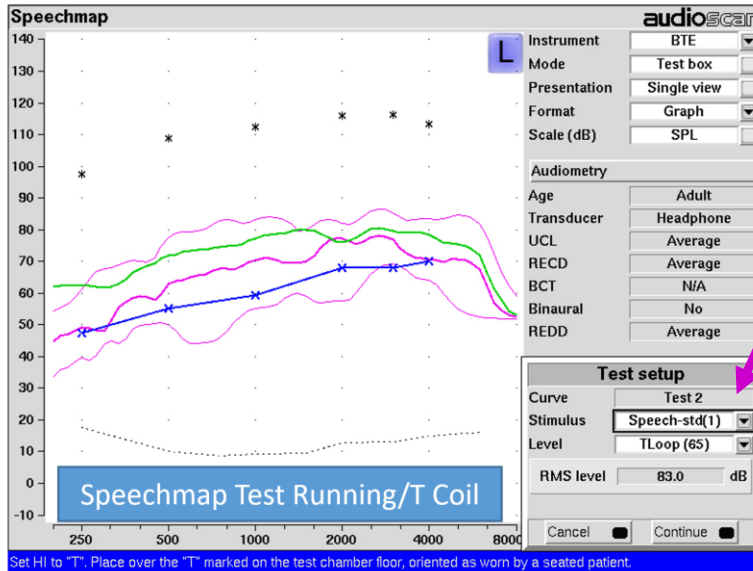
2. Make sure the instrument is set to Microphone – run the test using, in this case, 65dB speech input. **Run the test with the lid closed.**



3. Open the test box, set hearing aid to "T" or telecoil, position the instrument above the T marked area in the Verifit 1 - It is not necessary to close the lid for the telecoil test.



- Set input to TL (Test-Loop) level at same value as before – in this case shown as 65dB.  
**Run the TL test with the lid open** - this will allow you to hold the instrument in the vertical or the “as worn on the ear” position.



- Compare the green gain curve (acoustic input of 65dB) to the lavender curve (magnetic input of equal value/65dB) – if they match, which in this case they don't, YOU ARE DONE.
- Adjust the telecoil gain via the programming software and rerun the test. Remember to hold the hearing aid in a vertical position. It is not necessary to close the lid for the telecoil test. Retest. Note in the image below that the green (acoustic input) and lavender (magnetic input) curves overlap – save this for your client's records. You are done!

**Congrats. Now when your client switches to the T mode while in a hearing loop that meets the IEC 60118-4 standard, he or she will have a great listening experience.**

