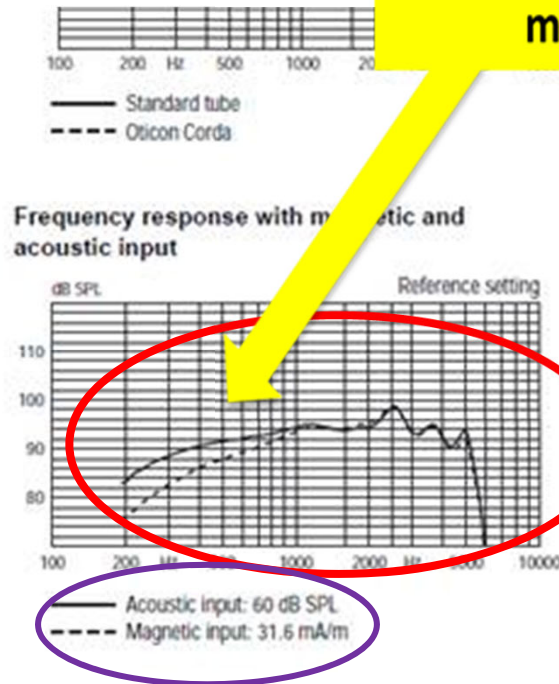


# How to read ANSI Specs: The SPLITS test (Coupler SPL for an Inductive Telephone Simulator)

- SPLITS = Reference Test Gain to a **magnetic signal input** (rather than acoustic input)
- Ideally, the RTG (to 60 dB acoustic input) and the SPLITS curve should match

Telecoil output, dB SPL		
87	1 mA/m field, 1600 Hz	80
107	10 mA/m field, 1600 Hz	100
	<b>SPLITS (ANSI) right/left ear</b>	94/93
Total harmonic distortion, %		
Reference setting. Input: 70 dB SPL		
IEC	Hz	ANSI
0.5	500, typical	0.5
0.5	800, typical	0.5
0.5	1600, typical	0.5
Equivalent input noise level, dB SPL (A)		
16	Typical/maximum, Omni (ANSI) 12/16	
23	Typical/maximum, Dir (ANSI) 20/24	
Battery consumption, mA		
1.1	Quiescent, typical/maximum 1.1/1.3	
1.1	IEC	1.1
	ANSI	1.1



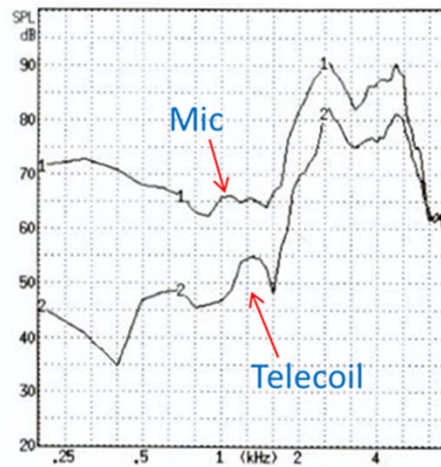
Note that the Mic and T-coil gains match above 300 Hz

# Why Verify Telecoils?

(Because ANSI SPECS don't tell whole story)

Some hearing aids do not perform in T-coil mode from what you see on your NOAH fitting screen in the MFR default setting

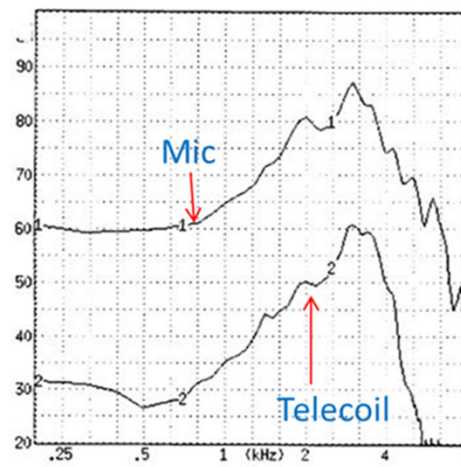
HEARING AID #4



At 1000, 16000 & 2500 Hz  
T-coil to Mic difference

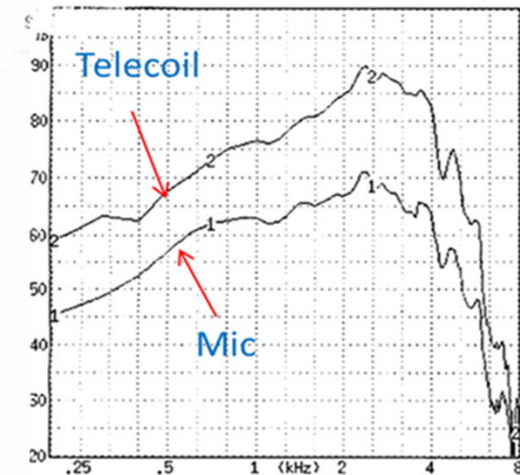
- 15dB

HEARING AID #5



- 28dB

HEARING AID #6



+ 17dB!