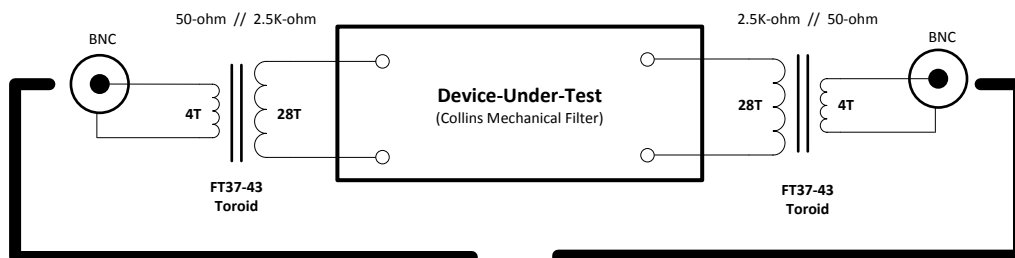
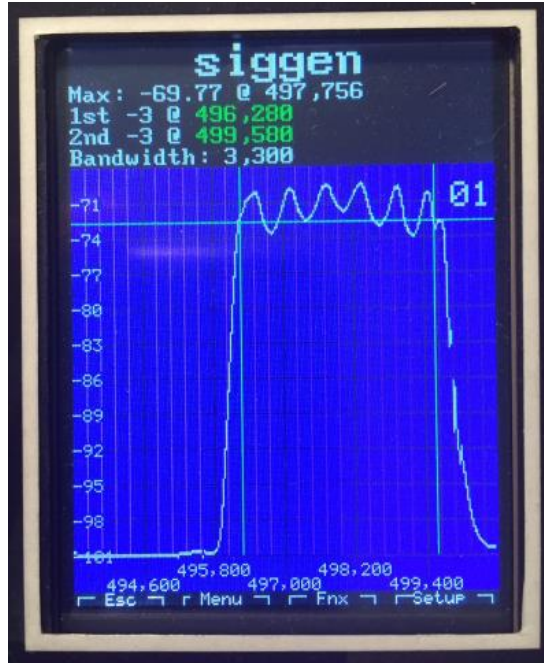


## Measuring a Collins Mechanical Filter

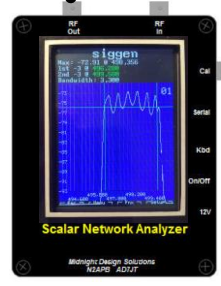
N2APB 12/2015



Impedance transformation:

$$\sqrt{\frac{2500 \text{ ohms}}{50 \text{ ohms}}} = 7.07$$

So turns ratio = 1:7 ...  
or 4:28 in order to fill up the toroid



**SNA Settings**

- Setup Menu (Scroll-Lock), <F4> ... Create F4 macro
- Freq ST: 12
- Center Freq: 497
- Op Mode: c
- Setup Menu (Scroll-Lock), <P>lot Format = 1
- Edit Menu (Scroll-Lock, >), <X> = 0
- <F4> to generate plot