

# Investigation: 80m EFHW Antenna Side By Side





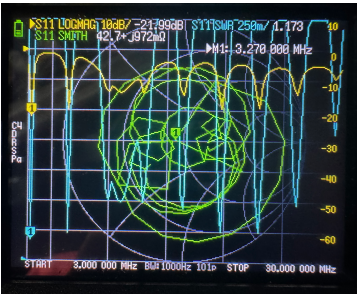


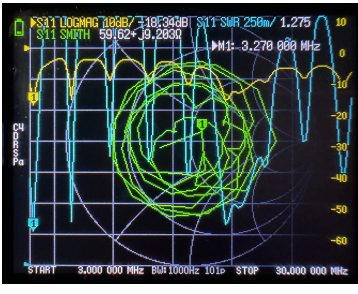
Author: Taylor Turner - AF0FR - [af0fr.radio@gmail.com](mailto:af0fr.radio@gmail.com) - [iftaylor.com/af0fr](http://iftaylor.com/af0fr) - [grz.com/db/AF0FR](http://grz.com/db/AF0FR)

Project: 80m End-Fed Half-Wave (EFHW) Antenna

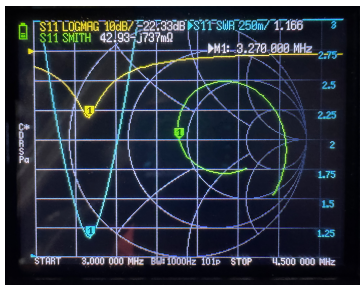
Investigation Focus: Side by side comparison of the testing configurations.

Date: 20260507

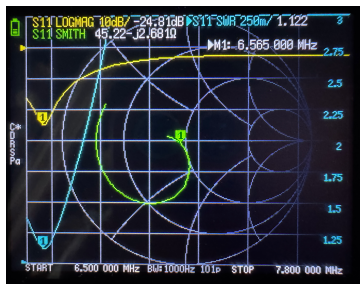
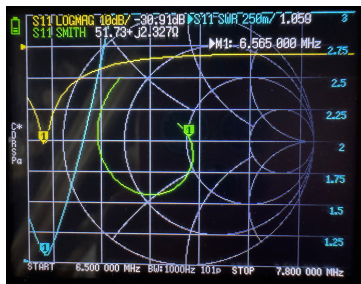
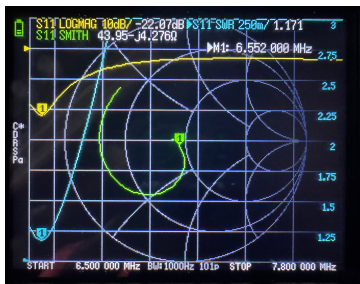
- The initial testing focused around an investigation around a comparison of the number of windings and toroid material type.
- Initial testing done at a 20m far-end to 2m feedline slope height. Deployed height is 20m far-end 25m feedline end.
- Initial testing was done with a compensation coil 78" away from the feedpoint. The coil was removed during deployment.
- The main element is 135', but the removal of the coil added 30".

Band	2 primary: 14 secondary, 31 type toroid	3 primary: 21 secondary, 43 type toroid	2 primary: 14 secondary, 43 type toroid	2 primary: 14 secondary, 43 type toroid, w/ choke & counterpoise
				
80-10				

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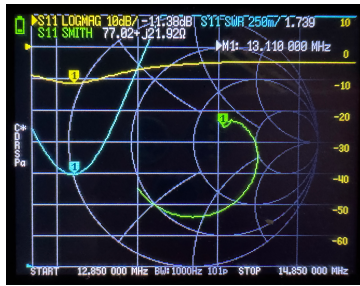
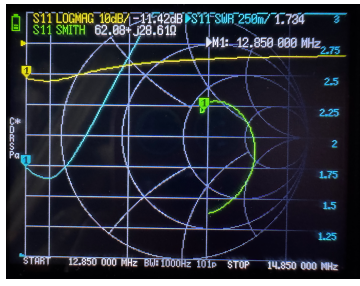
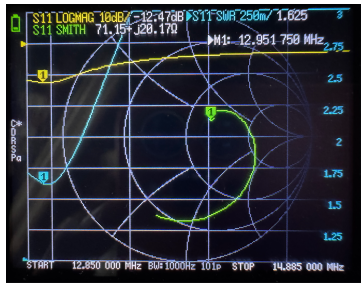
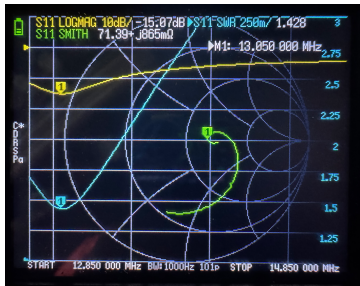


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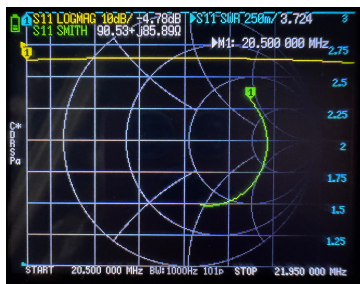
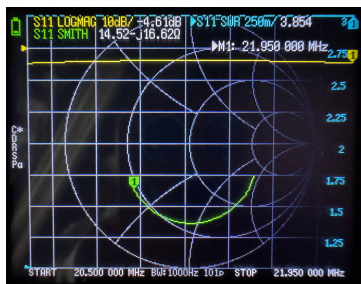
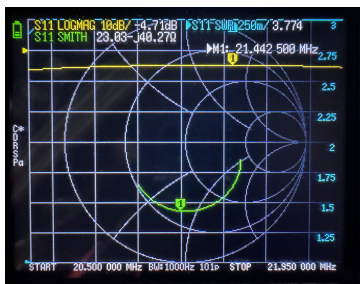


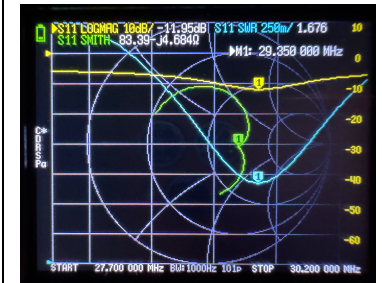
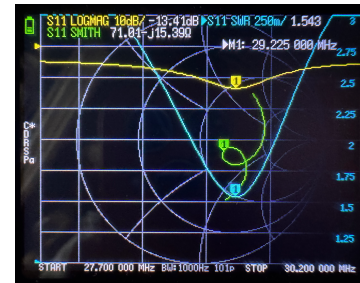
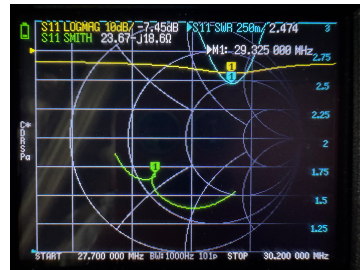
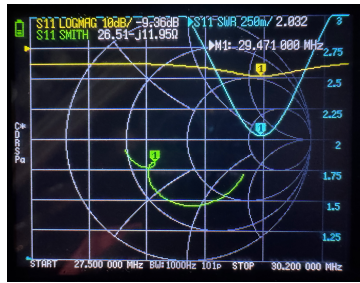
\* Starting freq is lowered

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### Additional Investigations:

[PDF Investigation - End-Fed-Half-Wave Antenna - 80 Meter Band.pdf](#)

[PDF Investigation Follow-up - End-Fed-Half-Wave Antenna - 2\\_14 Winding Ratio.pdf](#)