

End Fed Half Wave Antenna Coupler

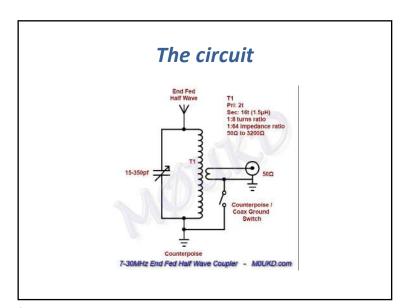
John MOUKD has a very informative web page https://mOukd.com

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Why I choose this design

- After several grey nomad trips away in the caravan I wanted an antenna I could put up in caravan parks where it is mostly not possible to use inverted V's, dipoles or large radial systems.
- I was inspired by Andy VK5LA with his use of a vertical with his ground mat system.
- A half wave came to mind as I have built and used a half wave inverted L antenna on 160m with a lot of success. Searching the net resulted in the MOUKD design.

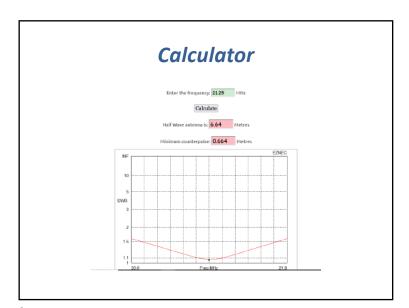




Multi band 40m - 10m

- I decided I wanted to be able to operate on all bands from 40m to 10m so the idea of a linked half wave radiating element was born.
- The next slide shows the on line calculator from MOUKD's web page. That gives you the radiating length and the counterpoise length.

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Tuning chart derived from calculator



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Counterpoise

Steve Yates AA5TB article on The End Fed Half Wave Antenna and Counterpoise can be found at, www.aa5tb.com

How I make my Links using irrigation tubing.



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Proto type build with 3.2K test resistor



Testing upper tuning value 30MHz



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Testing lower tuning value 6.5MHz







My finished coupling unit







Coupler Internal's







My portable station



Linked radiating element



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Where to next

 My next project is to wind a variable inductor to use with my coupler unit and a 5.5m telescopic whip so I am able to have a small foot print in areas of restricted space and still enjoy our great hobby of amateur radio.



