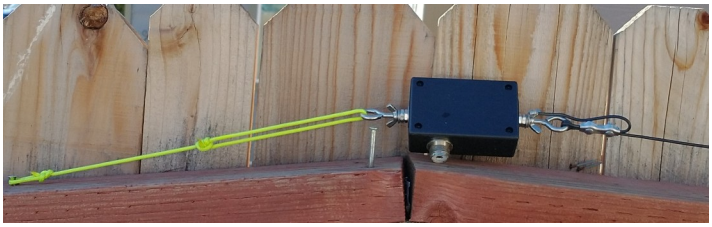
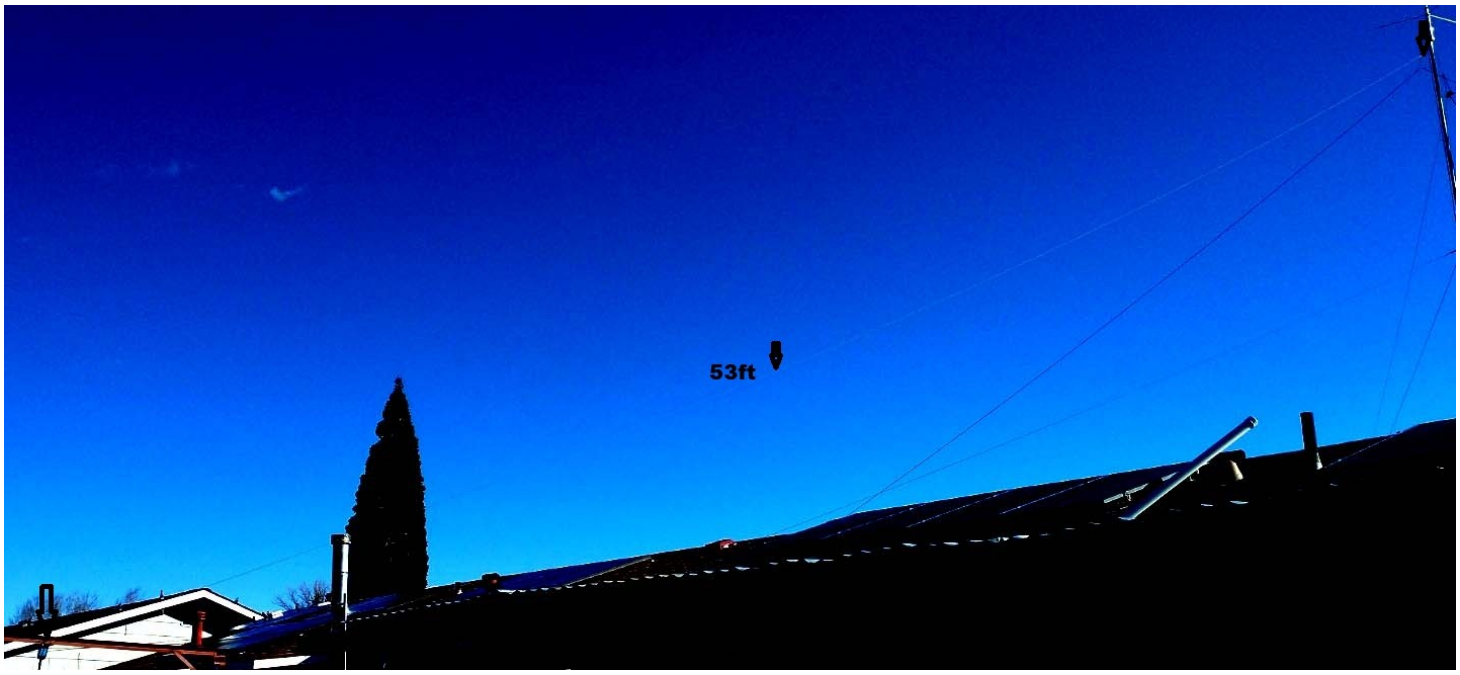
The 50 FT 9:1 EndFed Antenna With Tunner

This is strung along a fence for NVIS application.



Here are the two ends, a 9:1 Unun Matchbox and an insulator at the far end.



This is the same antenna attached to the top of a pole. This type of antenna can be deployed in many different configurations. I really like the flexibility for anywhere any time deployment. Another same type antenna of 73ft is also attached to this pole and goes down to the far peak of the roof. It starts near the ground, goes up to the roof and to near the top of the pole. From my shack it is the main antenna I use from 80M to 10M. The 50ft one works from 80M to 6M. I do not go above 80M even though the 73ft antenna is supposed to do it. I can tune all the bands between anytime I want.

I also have an Off Center Fed Dipole that does not tune all the in-between bands and does not do any better than the 73ft 9:1 EndFed on the ones it is made for.

For the price and flexability I will go with the 9:1 EndFed.

The tuner below my IC7300 is necessary for matching this antenna to your radio. One of these non-auto tuners is much cheaper for the capability than a comparable auto-tuner. I seldom ever use my IC7300 auto-tuner. I typically use up to 50W out because that is about the most this radio can put out digitally. It took some getting used to, to become proficient tuning this thing, but I do not even have to think about how to do it any longer. You will find this type of roller, variable inductor with the larger roller to be more robust in getting the power out for the money. I have two, one for the shack and one for travel and emergency deployment.

The up side of the EndFed is it's flexibility, but you cannot get by without a tuner. The right length to be usable on all of the bands throughout its range has to be determined. Charts for that exist. Efforts to avoid noise being carried back into the shack need to be evaluated. This can be alleviated with things like a longer coax, counter poise and ferrite beads.

These ferrites are on a 100ft coax with very high quality throughput. The other end is attached to the 53ft EndFed 9:1 Unun matchbox. The picture you can see above with extremely high contrast for possible visibility of the antenna.