

Specification

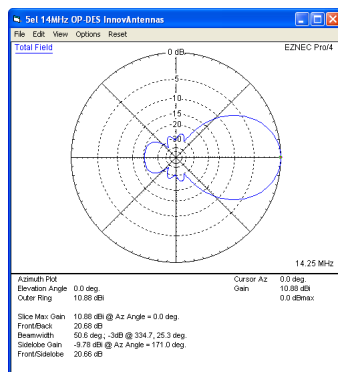
This antenna is made with 7/8 inch (22.23mm) tube tapering to 3/4 inch (19.05mm) tube followed by 5/8 inch (15.88mm) and 1/2 inch (12.7mm) outer elements with the OP-DES end sections 3/8 inch (9.525mm). The antenna has fully insulated elements which will ensure continuous, high performance for many years to come. Boom to mast brackets are included with all antennas which will support 3 inch (76.2mm) masts. **Boom 3 inch square 10SWG (3.2mm wall)** aluminum with Kevlar boom guys and stainless steel turnbuckles for guy adjustment.

OTHER TAPER SCHEDULES ARE AVAILABLE IN THIS ANTENNA, CALL OR EMAIL FOR DETAILS

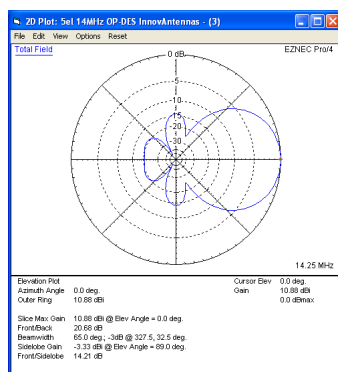
Our antennas are constructed with the best quality materials in order that the best mechanical construction can be achieved, not the cheapest and most profitable! Even a digital caliper is used for VHF/UHF (with an accuracy of .01mm) to measure the elements during production to ensure they are within 0.2mm of what they should be, this ensures they work as well as our software model predicts (VHF).

Note: Much development time has gone into our antennas, not just on basic electromagnetic design, we are able to model the effect of insulators, booms and other objects to ensure the make up of our antennas have least effect on performance and pattern degradation. More information can be found [here](#)

- Marine grade Stainless Steel Fittings*
- Original Stauff Insulation clamps
- Mill finished boom and elements for highest levels of accuracy

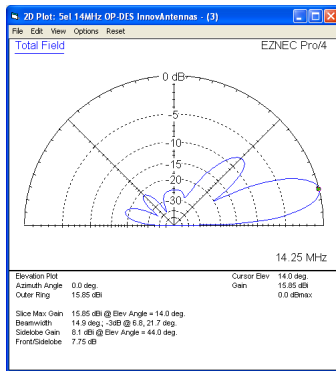


Azimuth Plot

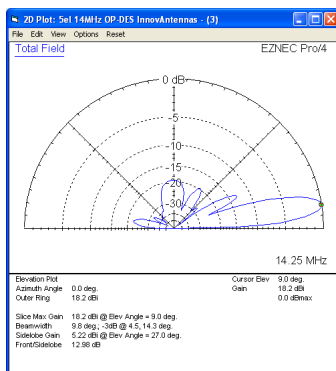


Elevation Plot

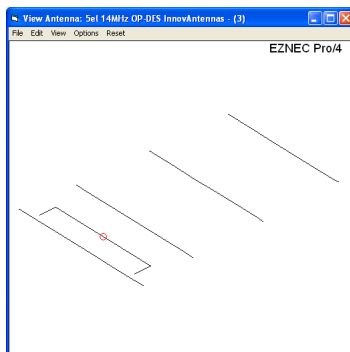
14MHz Yagis (All): 5 element 14MHz OP-DES Yagi (15.5m)



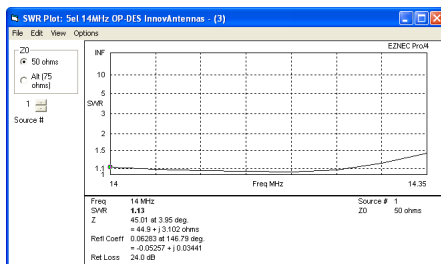
Single 5 element OP-DES up 20m above ground



2 x 5 el OP-DES Yagi 17.5m apart with the bottom antenna 20m above ground



The 5el 14MHz OP-DES Element Layout - how the OP-DES Yagi looks



SWR

Manufactured the right way, not the cheapest way!

* Where possible marine grade stainless steel components are used

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