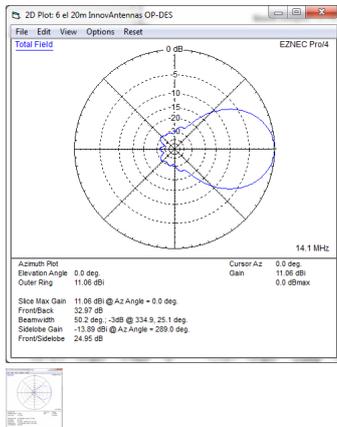


6 element 14MHz OP-DES Yagi (17m)



A Wideband High Performance 14MHz OP-DES Yagi

Rating: Not Rated Yet

Price

Sales price £1,399.97

Sales price without tax £1,666.63

[Ask a question about this product](#)

Manufacturer [InnovAntennas](#)

Description

Postage £10.00 to UK mainland (not Scottish Highlands) Europe £20.00, for rest of World please This email address is being protected from spambots. You need JavaScript enabled to view it.

```
document.getElementById('cloakc5df52c0d35b4a7edc50b1d5b8e2182d').innerHTML = ''; var prefix = 'ma' + 'il' + 'to'; var path = 'hr' + 'ef' + '='; var addyc5df52c0d35b4a7edc50b1d5b8e2182d = 'sales' + '@'; addyc5df52c0d35b4a7edc50b1d5b8e2182d = addyc5df52c0d35b4a7edc50b1d5b8e2182d + 'innovantennas' + '.' + 'com?subject=postage%20charge%20-%20antennas'; var addy_textc5df52c0d35b4a7edc50b1d5b8e2182d = 'Email'; document.getElementById('cloakc5df52c0d35b4a7edc50b1d5b8e2182d').innerHTML += '<a href="mailto:addy_textc5df52c0d35b4a7edc50b1d5b8e2182d">
```

Prices 20% less for customers outside of EU



A 6 element wideband 14MHz OP-DES (Opposing Phase Driven Element System) Yagi

The OP-DES is the newest in patent technology produced by InnovAntennas and is specifically designed for maximum performance, wide-band HF applications. Read more about the [OP-DES Yagi Here](#). InnovAntennas use the latest in [Electromagnetic Design Technology](#) to ensure the very best results and the OP-DES Yagi is proof of that!

This antenna has a flat SWR curve covering 14.000 - 14.250MHz at better than 1.1:1 SWR (1.6:1 14-14.35MHz).

View all plots below to see how this antenna maintains 'Pattern Stability' throughout the 20m band with at least 28dB F/B !!

Performance

14MHz Yagis (All): 6 element 14MHz OP-DES Yagi (17m)

Gain: 11.01dBi @ 14.100MHz

F/B: 31.54dB @ 14.100MHz

Peak Gain: 11.1dBi

Gain at 20m above Ground: 15.93dBi

Peak F/B: 32.83dB

Power Rating: 5kw+

SWR: Below 1.1:1 from 14.000MHz to 14.250MHz

Boom Length: 17m

Weight: 59Kg / 130LB

Turning Radius: 10m / 32.8ft

Wind Loading: 1.3 Square Metres / 14 Square feet

Wind Survival: 160KPH / 100MPH (A 125MPH version available upon request)

Other options available if higher wind loading/survival is required.

Stacking Distance: 11 - 15m (13m recommended)

2 Stacked Gain @ 13m spacing: 14.11dBi

2 Stacked F/B: 25.42dB

2 Stacked Gain @ 13m Spacing 20m above ground: 18.55dBi

Wind loading: call for details

Specification

This antenna is made with 1.25 inch (22.23mm) elements tapering to 3/8 inch (9.525mm) at the element tips. 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 4 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, ensuring 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](#)

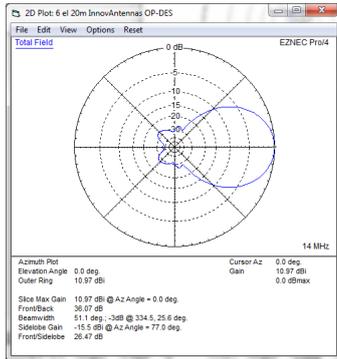
- Marine grade Stainless Steel Fittings*
- Original Stauff Insulation clamps
- Mill finished boom and elements for highest levels of accuracy

Note that the OP-DES is not just wideband with SWR characteristics, it holds performance across the whole of 20m, does your existing antenna do so?

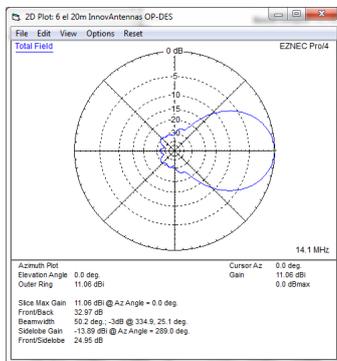


14MHz Yagis (All): 6 element 14MHz OP-DES Yagi (17m)

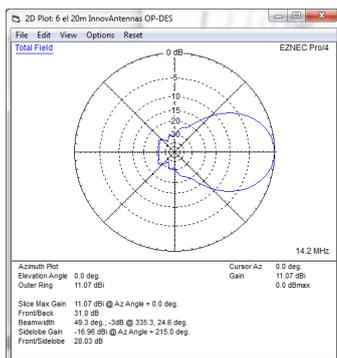
A 6el 20M OP-DES being installed at K5RC



Azimuth Plot 14.0MHz

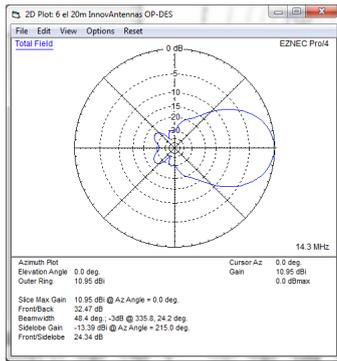


Azimuth plot 14.1MHz

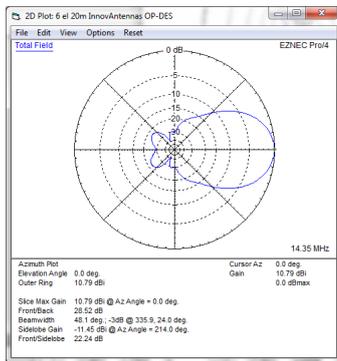


Azimuth plot 14.2MHz

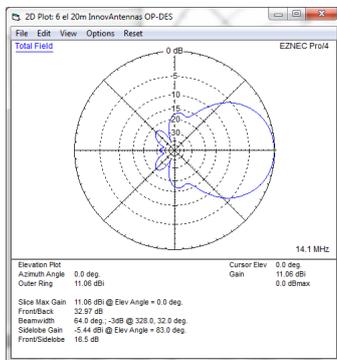
14MHz Yagis (All): 6 element 14MHz OP-DES Yagi (17m)



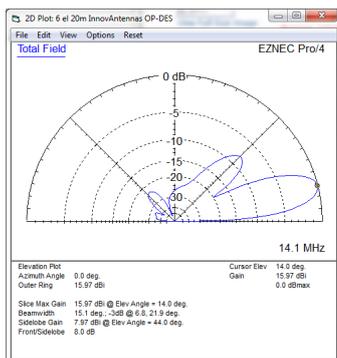
Azimuth plot 14.3MHz



Azimuth 14.35MHz

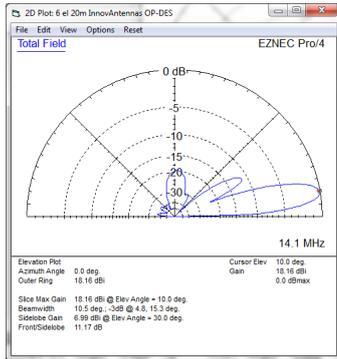


Elevation Plot

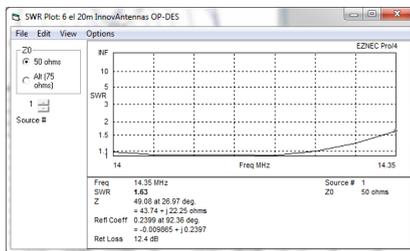


14MHz Yagis (All): 6 element 14MHz OP-DES Yagi (17m)

Single 6 element OP-DES up 20m above ground



2 x 6 el OP-DES Yagi 15m apart with the bottom antenna 20m above ground



SWR



A 6el OP-DES

Manufactured the right way, not the cheapest way!

* Where possible marine grade stainless steel components are use