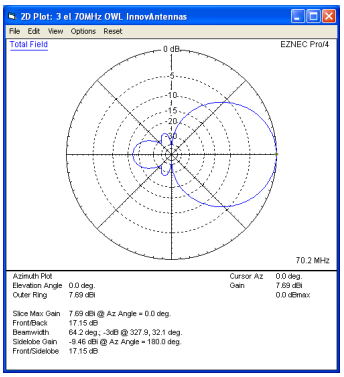
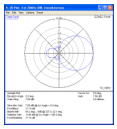




Sales price £199.95

Sales price without tax £166.63
Tax amount £33.33

A compact 70MHz OWL Yagi

Description

Postage £15.00 to UK mainland (not Scottish Highlands) USA/Europe £50.00, for rest of World please This email address is being protected from spambots. You need JavaScript enabled to view it.

Prices 20% less for customers outside of EU

A 3 element compact OWL Yagi REAR MOUNT

The OWL combines performance and light-weight in one package. Designed for portable use and where there is simply not enough space for a 4m Yagi, this antenna really delivers a punch with a tiny boom length of just 0.85m (around 3 feet).

The OWL uses an adjustable folded dipole system and has a direct 50 Ohm feed point, no matching device (or associated losses) being the result.

More can be found on the OWL Yagi HERE

Performance

7.69dBi @ 70.200MHz

17.15dB @ 70.200MHz

Peak Gain: 7.74dBi

Gain at 10m above Ground: 13.26dBi @ 70.200MHz

Peak F/B: 18.44dB

Power Rating: 5kw

SWR: Below 1.3.1 from 69.900MHz to 70.500MHz

Boom Length: .851m

Stacking Distance: 1.7m-3.0m (2.5m recommended)

2 Stacked Gain @ 2.5m spacing: 10.83dBi

2 Stacked F/B: 15.51dB

2 Stacked Gain @ 2.5m Spacing 10m above ground: 16.44dBi

REAR MOUNT AVAILABLE UPON REQUEST AND REQUIRED FOR VERTICAL MOUNTING

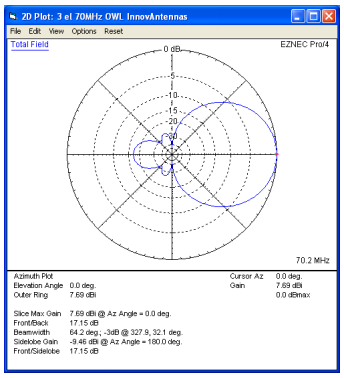
Specification

This antenna is made with 1/2 inch (12.7mm) centre elements and 3/8 inch (9.525mm) outer elements. 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 2 inch (50mm) masts. Boom is 1.25 inch square 16SWG aluminum.

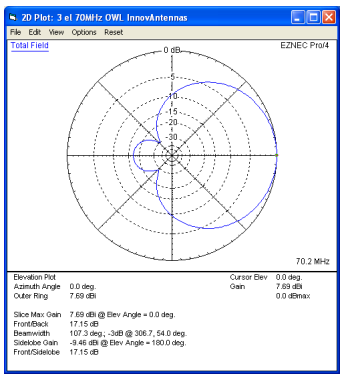
Our antennas are constructed with the best quality materials in order that the best mechanical construction can be achieved, not the cheapest and most profitable! Even a digital caliper is used (with an accuracy of .01mm) to measure the elements during production to ensure they are within 0.2mm of what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

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

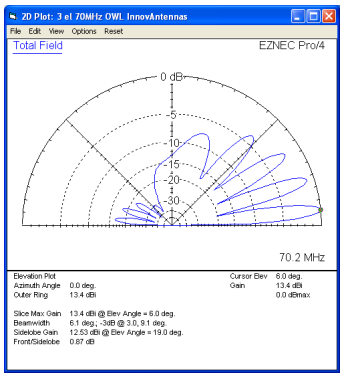
- **Marine grade Stainless Steel Fittings**
- **Original Stauff Insulation clamps**
- **Mill finished boom and elements for highest levels of accuracy**



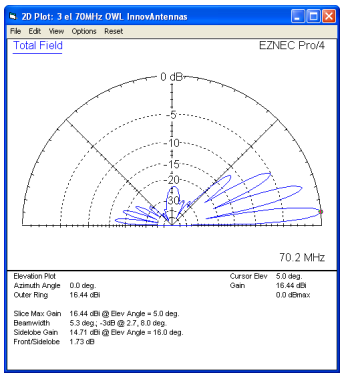
Azimuth Plot



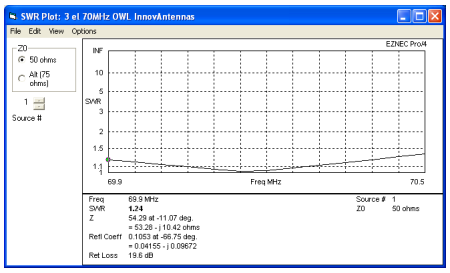
Elevation Plot



Single 3 element LFA up 10m above ground



2 x 3 el LFA Yagi 2.5m apart with the bottom antenna 10m above ground



SWR

Manufactured the right way, not the cheapest way!