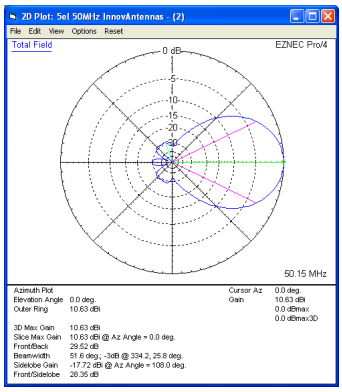


A low-noise 50MHz LFA Yagi

Description

Available through WiMo Germany and DX Engineering in the USA - for Direct factory supply, Email us for pricing and time lines.

www.dxengineering.com - www.wimo.com

A 5 element low-noise LFA Yagi - very low noise LFA Yagi for city locations - 2023 update.

The G0KSC LFA Yagi is a major step forward in the development of the Yagi Antenna; **it provides a low-noise front-end for your radio so you hear more weak signals**. This compact 5 element 50Mhz LFA provides stunning performance across the important section of the 6m band (50.00 - 50.700MHz). Hard to beat with a direct 50 Ohm feed-point and no matching losses and suppression of unwanted noise!!

Performance

Gain: 10.63dBi @ 50.150MHz

F/B: 29.52dB @ 50.150MHz

Peak Gain: 10.68dBi

Peak F/B: 30.02dB

Power Rating: 5kw

SWR: Below 1.1:1 from 50.00MHz to 50.700MHz

Stacking Distance: 3.9-5.1m (4.70m recommended)

2 Stacked Gain @ 4.70m spacing: 13.45dBi

2 Stacked F/B: 27.53dB

2 Stacked Gain @ 4.70m Spacing 10m above ground: 18.67dBi

Boom Length: 4.354m

Weight: 4.73Kg / 10.43LB

Turning Radius: 2.667m / 8.78ft

Wind Loading: 0.20 Square Metres / 2.16 Square feet

Wind Survival: 253KPH / 157MPH

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

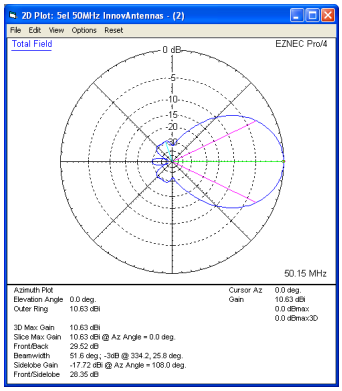
Specification

This antenna is made 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.

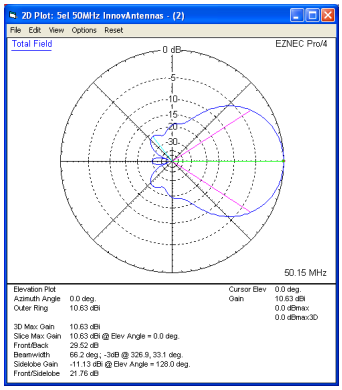
Our antennas are constructed with the best quality materials in order that the best mechanical construction can be achieved, not the cheapest and most profitable! Even a digital caliper is used (with an accuracy of .01mm) to measure the elements during production to ensure they are within 0.2mm of what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

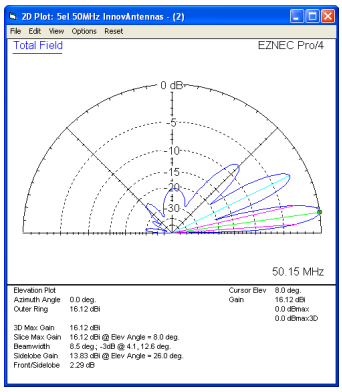
- **Marine grade Stainless Steel Fittings**
- **Original Stauff Insulation clamps**
- **Mill finished boom and elements for highest levels of accuracy**



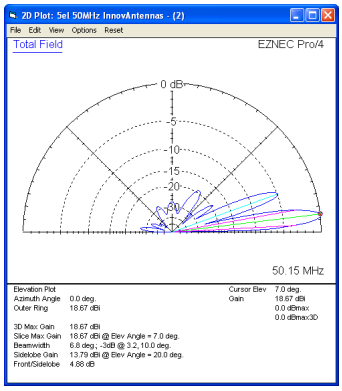
Azimuth Plot



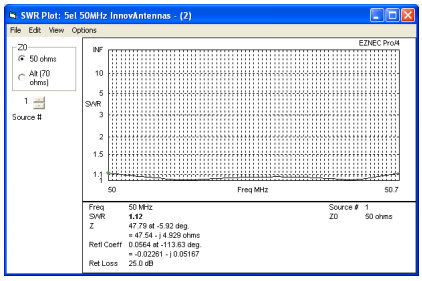
Elevation Plot



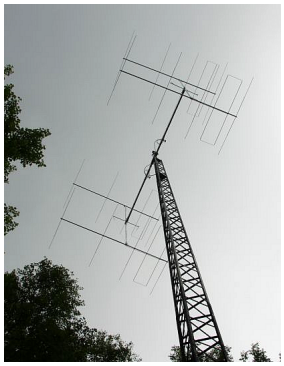
Single 5 element LFA up 10m above ground



2 x 5 el LFA Yagi 4.70m apart with the bottom antenna 10m above ground



SWR



4 x 5el LFA-VR installed at VE3KH

Manufactured the right way, not the cheapest way!
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