



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](http://www.dxengineering.com) - [www.wimo.com](http://www.wimo.com)

### A 3 element low-noise LFA Yagi



*'For sure the 6M 3el LFA I have is the best antenna I ever bought. 73 Dave G4WFQ'*

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 3 element 50Mhz LFA provides stunning performance across the important section of the 6m band (50.00 - 50.400MHz). Hard to beat with a direct 50 Ohm feed-point and no matching losses and suppression of unwanted noise !!

### Performance

8.92dBi @ 50.150MHz

17.98dB @ 50.150MHz

**Peak Gain:** 8.94dBi

**Gain at 10m above Ground:** 14.47dBi @ 50.150MHz

**Peak F/B:** 20.04dB

**Power Rating:** 5kw

**SWR:** Below 1.3:1 from 50.00MHz to 50.400MHz

**Stacking Distance:** 2.5-3.5m (3m recommended)

**2 Stacked Gain @ 3m spacing:** 11.26dBi

**2 Stacked F/B:** 21.10dB

**2 Stacked Gain @ 3m Spacing 10m above ground:** 16.71dBi

**Boom Length:** 2.14m

## 50MHz Yagis (all): 3 element 50MHz LFA Yagi

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**Weight:** 2.84Kg / 6.25LB

**Turning Radius:** 1.861m / 6.ft

**Wind Loading:** 0.13 Square Metres / 1.37 Square feet

**Wind Survival:** 253KPH / 157MPH

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

**REAR MOUNT AVAILABLE UPON REQUEST AND REQUIRED FOR VERTICAL MOUNTING**

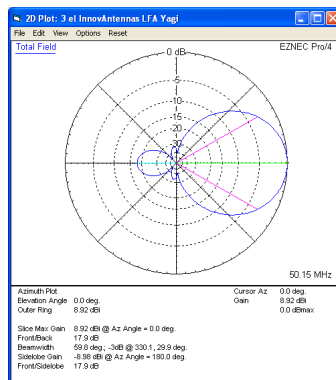
### Specification

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.

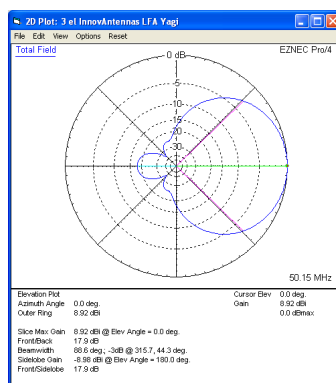
Our antennas are constructed with the best quality materials in order that the best mechanical construction can be achieved, not the cheapest and most profitable! Even a digital caliper is used (with an accuracy of .01mm) to measure the elements during production to ensure they are within 0.2mm of what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

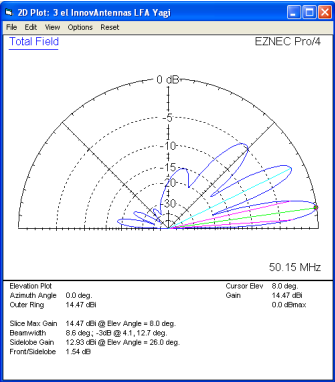


**Azimuth Plot**

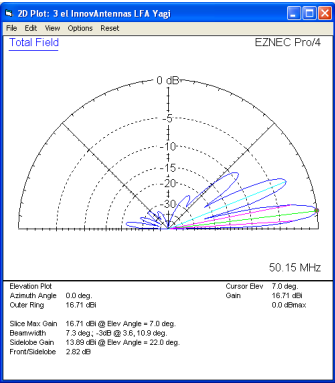


**Elevation Plot**

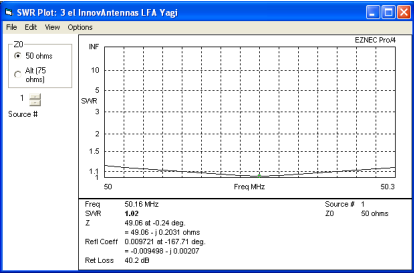
50MHz Yagis (all): 3 element 50MHz LFA Yagi



Single 3 element LFA up 10m above ground



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



SWR

Manufactured the right way, not the cheapest way! 24

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