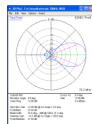


A 7 element low-noise 70MHz LFA Yagi



## Description

Available through [WiMo Germany](http://www.wimo.com) and [DX Engineering in the USA](http://www.dxengineering.com) - 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 High Gain 70MHz LFA Yagi optimised for urban environments and reduction of inband noise, including other stations!**

The antenna is a scaled and re-optimised version of the 50MHz LFA WOS originally designed for G3WOS

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.** If you suffer with noise or are in a city location, this is the antenna for you. This 7 element 70Mhz LFA provides stunning performance across the whole 4m band (69.900 - 70.500MHz). Hard to beat with a direct 50 Ohm feed-point and no matching losses!!

This is an excellent stacker requiring just 4.4m spacing. See details below.

**One of our customers in Canada sent this comparison video switching between his conventionally optimised 7el 50MHz Yagi and our 7el WOS which were at the same height but separate towers.**



## Performance

**Gain:**12.98dBi @ 70.200MHz

**Gain at 10m above ground:** 18.76dBi

**F/B:** 27.48dB @ 70.200MHz

# 70MHz Yagis (all): 7 element 70MHz LFA-WOS Yagi

Peak Gain: 13.02dBi

Peak F/B: 27.98dB

Power Rating: 5kw

SWR: Below 1.1:1 from 69.900MHz to 70.500MHz

Boom Length: 6.796m

Stacking Distance: 4.4m Vertically, 4.9m horizontally

2 Stacked Gain: 15.65dBi

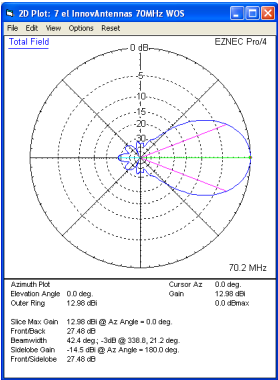
2 Stacked Gain 15m up above average ground: 21.12dBi

2 Stacked F/B: 30.41dB

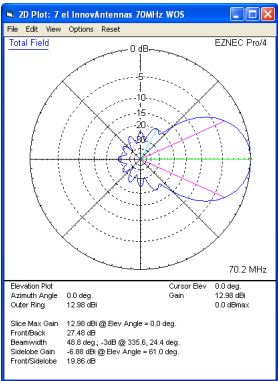
## Specification

This antenna is made with single piece 1/2 inch 18swg T6 aluminium tube tapering to 3/8 inch tube 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 2 inch (50mm) masts. Boom is 1.5 inch square 16SWG aluminium **Kevlar guys required and supplied with stainless steel turnbuckles for adjustment.**

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

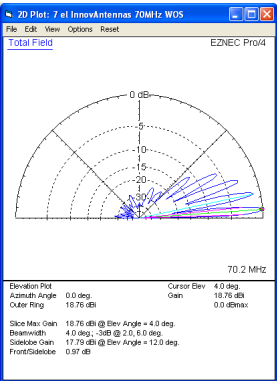


Azimuth Plot

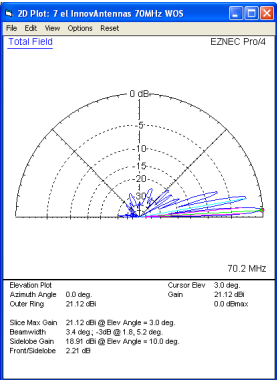


Elevation Plot

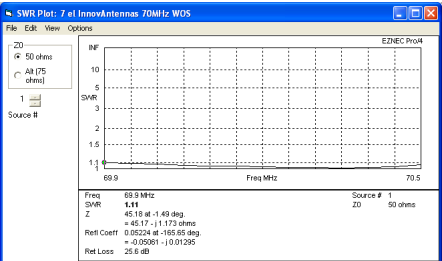
# 70MHz Yagis (all): 7 element 70MHz LFA-WOS Yagi



1 x 7el LFA at 15m above ground



2 x 7el stacked at 4.9m apart 15m above average ground



SWR



A 7el 70MHz LFA installed above a 7el 50MHz LFA at PA7F

Manufactured the right way, not the cheapest way!

Where possible marine grade stainless steel fittings are used.  
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