



The new InnovAntennas LFA-R - A step in the gain direction - 6el 50MHz 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)

The new LFA-R reflector-less Yagi is a step forward in Yagi design and performance. Excellent levels of gain per foot of boom from this compact super-performer

## The new 6R6-HD from InnovAntennas Exclusive

Heavy duty version show, light-weight version available upon request.

See a review of the LFA-R antenna [HERE!](#)

The new LFA-R is a new, reflector-less Yagi from the design table of G0KSC. The LFA-R provides excellent performance in terms of both forward gain and F/B too and covers the important bottom end of the 50MHz band with ease.

The 6R6 sits on a 6.5m (21') boom yet punches with a very respectable 12.1dBi gain while still delivering well over 21dB F/B (front to back) ratio.



The 6R6 6 element 50MHz LFA-R being installed by XE2K



The 6R6 heavy-duty boom to mast assembly with all marine-grade (A4) Stainless Steel hardware

Note: 2 rather than 4 square U-Bolts (boom securing) are used on production models and is more than sufficient.



A close-up view of the rear of the 6R6. Heavy-duty element plating is used on the driven element. Single Stauff clamps are now used on every other element to ensure performance is maintained and interaction minimised.

## Product Highlights

- Marine grade Stainless Steel Fittings
- Marine grade insulation frames
- Optimised boom and elements for highest levels of accuracy
- Optimised by computer for best possible performance
- No matching device means no matching loss!
- Easy and fast fit, assemble in just a few minutes

For more information This email address is being protected from spambots. You need JavaScript enabled to view it.

### Performance

**Gain:** 12.20dBi @ 50.15MHz

**F/B:** 20.90dB @ 50.15MHz

**Peak Gain:** 12.22dBi

**Gain 10m above ground:** 17.61dBi

**Peak F/B:** 25.56dB

**Power Rating:** 5kw

**SWR:** Below 1.5:1 from 50MHz to 50.4MHz

**Boom Length:** 6.6m

**Weight:** 10kg/22lbs

**Safe Wind Speed:** 160Kph/100Mph

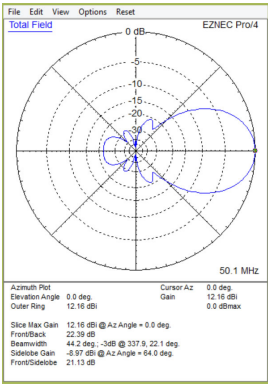
**Turning Radius:** 3.2m/10' 5"ft

**Vertical Stacking:** 5.75m

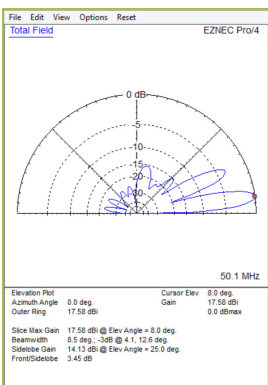
### Specification

This antenna is made with a 5/8 inch (15.88mm) and 1/2 inch (12.7mm) diameter tube LFA loop which has 3/8 inch (9.525mm) loop ends with a wall thickness of 1.6mm. Parasitic elements are tapered, 5/8" to 1/2" tube ensuring high performance for many years to come. Boom is 1.5inch. **This antenna is not made cheaply, it is made to perform and to do so for many years.**

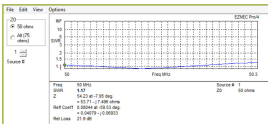
No figures are made up here as they are in some Ham Radio adverts, all performance figures are verified in the very latest software simulation packages with some antennas being professionally confirmed on an antenna range.



**Azimuth Plot**



**Elevation plot @ 10m above ground**



**SWR**

**Manufactured the right way, not the cheapest way!**

\* Where possible marine grade stainless steel components are used.

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