



A Super High Gain Quad-style Rigid quad beam antenna for 21Mhz

### 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 2 element 21MHz LFA-Q Quad-style beam antenna - **Second Generation LFA Yagi !**

The G0KSC LFA-Q beam antenna provides a new slant on the proven quad style beam antenna. The LFA-Q is a super-strong, super-rigid Quad which provides very high levels of gain for it's size, while at the same time maximising all round performance. Hard to beat with a direct 50 Ohm feedpoint and no matching losses and suppression of unwanted noise due to the closed loop system.

The LFA-Q deploys 2 x 1.25" square booms one at the top of the structure and one at the bottom which enable the antenna to be ultra-rigid and stand up to extreme weather conditions such as severe ice and wind loading. Main element tubing is 7/8" to 3/4" to 5/8" to 1/2" with 3/8" loop end sections.

This 2 element LFA-Q is an excellent option if you do not have space, **especially stacked !! 2 at just 8m spacing provides 15.49dBi** (when placed 10m above ground)!!

Single antenna performance at 15m up (including ground gain) 10.54dBi from a boom of just 1m!

**NOTE:** With all our HF antennas we can custom design your element taper and element size requirements in order to cater for all weather and installation requirements. This email address is being protected from spambots. You need JavaScript enabled to view it. e-mail address is being protected from spambots. You need JavaScript enabled to view it us for details.





### Performance

**Gain:** 6.95dBi @ 21.15MHz

**F/B:** 19.85dB @ 21.15MHz

**Peak Gain:** 6.98dBi

**Gain at 15m above Ground:** 12.4dBi

**Peak F/B:** 20.01dB

**Power Rating:** 15kw+

**SWR:** Below 1.5:1 from 21.00MHz to 21.30MHz or any 300KHz section of the band

**Stacking Distance:** 9-12m ( 10m recommended)

**2 Stacked Gain @ 8m spacing:** 10.54dBi

**2 Stacked F/B:** 16.97dBi

**2 Stacked Gain @ 8m Spacing 15m above ground:** 15.6dBi

**Boom Length:** 1.0m

**Longest element:** 5.74m

**Loop Height:** 2.1m

**Weight:** 7.3KG / 16LB

**Turning Radius:** 2.91m / 9.6ft

**Wind Loading:** 0.3 Square Metres

**Wind Survival:** 176KPH / 110MPH

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

### Customer comment on the LFA-Q:

*"Very nice...assembled and installed over the last two days - even though it arrived over night!"*

*Performs extremely well - It replaced a MET 144 8T*

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