

3el Grave Radar LFA Yagi 143MHz



3el rear mounted LFA Yagi for Graves radar reception.

Rating: Not Rated Yet

Price

Sales price £79.95

Sales price without tax £66.63

Tax amount £13.33

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Description

A 3el rear mounted LFA Yagi for Graves radar reception - Limited time offer FREE Balun supplied with this antenna worth £29.95!

Often enthusiasts point Yagi antennas towards the Grave Radar in France to receive meteor reflections of the radar signal. A short Yagi with a wide beamwidth in the elevation plane is ideal for this purpose and hence, the 3el LFA by InnovAntennas optimised for 143.050MHz is an excellent choice.

This Yagi is not a re-tuned 2m Ham band Yagi, it is specifically optimised for the reception of Graves Radar transition.



A 3el Graves LFA Yagi ready for connection to a receiver.

Performance single antenna:

Gain: 8.44dBi - free space

144MHz to 148MHz Yagis: 3el Grave Radar LFA Yagi 143MHz

F/B: 21.26dB

-3dB E-plane: 61.4 degrees

-3dB H-plane: 95.4 degrees

Impedance: 50Ohm balanced

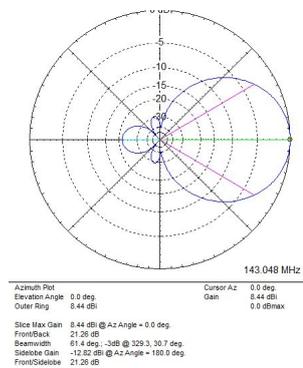
SWR: 143.048MHz + - 500KHz better than 1.2:1

Stacking Distances

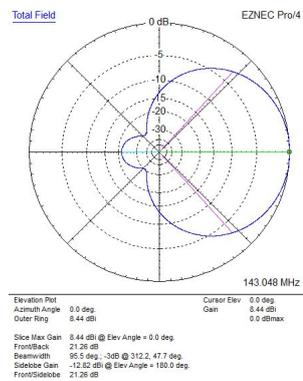
2 antennas: 1.3m vertically

Construction:

The 3el Graves LFA Yagi is made with a 3/4" square boom which has a rear mounting to suit up to a 2" round mast. parasitic elements are 1/4" solid rod and arre fully insulated from the boom. the drive loop is 1/2" with 3/8" loop end sections and the loop opposite the feed point is grounded which will help prevent unwanted out-of-band signals and also, help protect the receiver from static too.



Azimuth plot of a single 3el Graves LFA Yagi in free space



Elevation plot of a single 3el Graves LFA Yagi. Note the 95.5 degrees beamwidth

important for meteor reflection reception

