A 7 element OWL Super-Light 70MHz 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 - www.wimo.com

6.2  **A 7 element OWL (Optimised Wideband Low Impedance) Super-Light Yagi for 69.9-70.5MHz**

FOR HORIZONTAL MOUNTING

The G0KSC OWL is another fantastic design by G0KSC. Every ham knows a low impedance Yagi provides excellent performance. However, traditionally, low impedance has meant narrow band. G0KSC developed the OWL to have very close element spacing, this is increased the stability of the OWL over traditional low impedance Yagis. Additionally, the G0KSC OWL has been optimised for a 12.5Ohm feed point impedance (with traditional split dipole). With the split dipole swapped for a folded dipole, impedance is now a cool 50Ohm so again (and as with all InnovAntennas Yagis) no matching device is needed!

IDEAL PORTABLE OR SOTA USE!

Designed with the very latest modelling software packages costing £10's thousands of pounds, not 30 year old software costing around $100.00 !! **Accuracy** in model and real-world performance assured.

Our antennas are constructed with the best quality materials in order 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.

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

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

Performance

Gain: 12.72dBi @ 70.2MHz

F/B: 28.0dB @ 70.2MHz

Peak Gain: 12.88dBi

Gain 10m above ground: 18.3dBi

Peak F/B: 29.5dB

Power Rating: 5kw

SWR: Below 1.5.1 from 69.9MHz to 70.5MHz

Boom Length: 6.2m

Weight: 3kg/7lbs

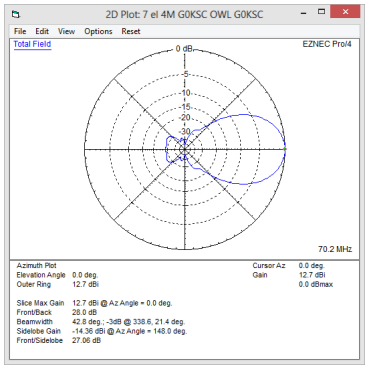
Safe Wind Speed: 160Kph/100Mph

Vertical Stacking: 4.6M

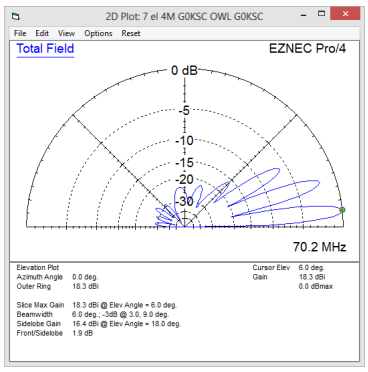
Specification

This antenna is made with a 1/2 inch (12.7mm) and 3/8 inch (9.525mm) diameter tube OWL loop and 3/8 inch (9.525mm) elements with a wall thickness of 1.6mm. high performance for many years to come. Boom is 3/4 inch. **This antenna is not made cheaply, it is made to perform and to do so for many years.**

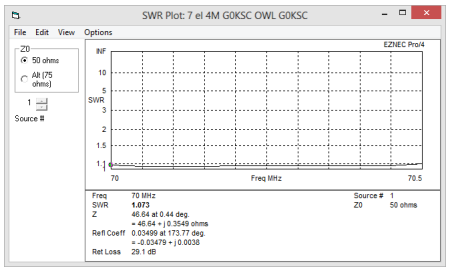
No figures are made up here as they are in some Ham Radio adverts, all performance figures are verified in the very latest software simulation packages with some antennas being professionally confirmed on an antenna range.



Azimuth Plot



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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