

HyperGain® HG2424G

2.4 GHz 24 dBi High Performance Reflector Grid Antenna

Superior Performance

The HyperGain® HG2424G Reflector Grid Antenna provides 24 dBi gain with an 8 degree beam-width for long-range highly directional applications. It can be installed for either vertical or horizontal polarization. The antenna's heavy-duty tilt mount allows installation at various degrees of incline for easy alignment.

Rugged and Weatherproof

This antenna's construction features a rust-proof cast magnesium alloy reflector grid for superior strength and light weight. The grid surface is finished in white UV powder coated for durability and aesthetics. The open-frame grid design minimizes wind loading.

Electrical Specifications

Frequency	2400-2500 MHz
Gain	24 dBi
-3 dBi Beam Width	8 degrees
Cross Polarization Rejection	26 dBi
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	< 1.5:1 avg.

Mechanical Specifications

Weight	4.8 lbs. (2.18 kg)
Grid Dimensions	39.5 in. (100.3 cm) x 23.5 in. (59.7 cm)
Grid Material	Cast Magnesium Alloy
Grid Finish	White UV Powdercoat
Mounting	2 in. (50.8 mm) diameter mast max.
Elevation Angle	0 to +10 degrees
Operating Temperature	-45° C to +85° C

Wind Loading Data

Wind Speed (MPH)	Loading (2.1 sq. ft.)
40	16.4 lb.
60	36.3 lb.
80	63.8 lb.
100	97.0 lb.
120	147.0 lb.
140	199.5 lb.



Available Connectors

This antenna is supplied with a 24" pigtail with any of the connectors listed in the tables below. Specify the desired connector by choosing the appropriate part number.

Standard Connectors

The following standard connectors are available from stock:

Connector Type	Part Number
N Female	HG2424G-NF
N Male	HG2424G-NM

Special Order Connectors

This antenna is also available with the any of the following connectors by special order at a nominal additional charge. If you do not see your connector listed please contact our sales department.

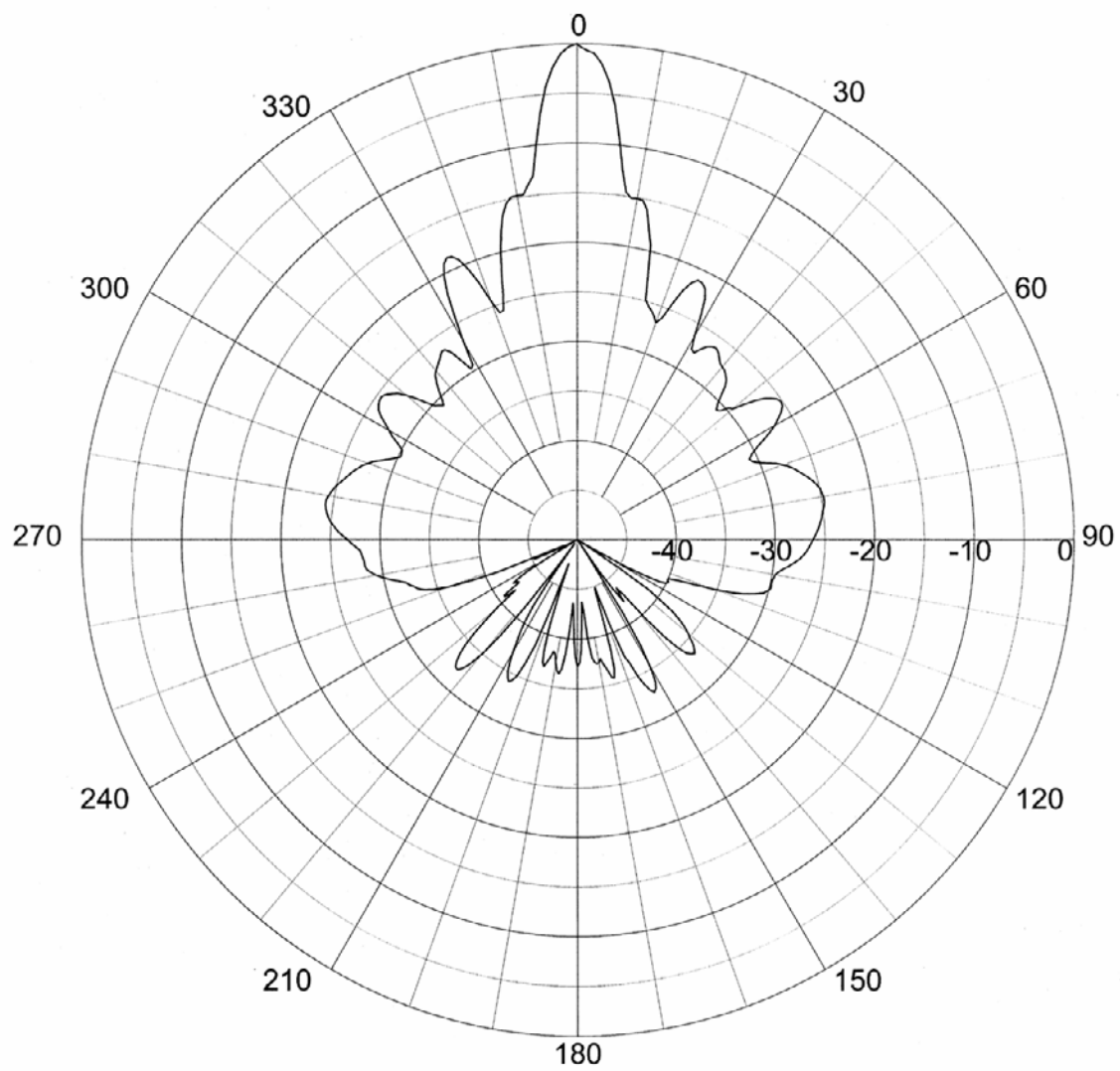
Connector Type	Part Number
TNC Female	HG2424G-TF
TNC Male	HG2424G-TM
Reverse Polarity TNC Female	HG2424G-RTF
Reverse Polarity TNC Male	HG2424G-RTM
Reverse Polarity N Female	HG2424G-RNF
Reverse Polarity N Male	HG2424G-RNM
SMA Male	HG2424G-SM
Reverse Polarity SMA Female	HG2424G-RSF

Guaranteed Quality

All HyperGain[®] antennas are tested and backed by Hyperlink's One Year Warranty.

HyperGain® HG2424G Vertical Radiation Pattern

Gain	24.25 dBi
Frequency	2 GHz
10dB BW	12.2 degrees
3dB BW	6.8 degrees



HyperGain® HG2424G Horizontal Radiation Pattern

Gain	24.38 dBi
Frequency	2.4 GHz
10dB BW	17.5 degrees
3dB BW	10 degrees

