

HyperGain® HG2419G

2.4 GHz 19 dBi Directional Reflector Grid Antenna



Superior Performance

The HyperGain® HG2419G Reflector Grid Antenna provides 19 dBi gain with a 12° beam-width for 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 Weather-Proof

This antenna's construction features a welded steel reflector grid for superior strength. The grid surface is UV powder coated for durability and aesthetics, and the open-frame design minimizes wind loading.

Electrical Specifications

Frequency	2400-2500 MHz
Gain	19 dBi
-3 dB Beam Width	17°
Cross Polarization Rejection	> 30 dB
Front to Back Ratio	22 dB nom.
Impedance	50 Ohm
Max Input Power	50 Watts
VSWR	< 1.5:1 avg.

Mechanical Specifications

Weight	3.9 lbs. (1.77 kg)
Grid Dimensions	16.7 in. (42.42 cm) x 23.6 in. (59.95 cm)
Grid Material	Galvanized Welded Steel
Grid Finish	Light Gray UV Powdercoat
Mounting	1.0" (25mm) - 2.5" (60mm) diameter mast
Elevation Angle	0 to +15°
Operating Temperature	-45° C to +85° C

Wind Loading Data

Wind Speed	100 MPH	140 MPH	100 MPH with ½" radial ice
Loading	16.6 lbs	32.5 lbs	72.5 lbs

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

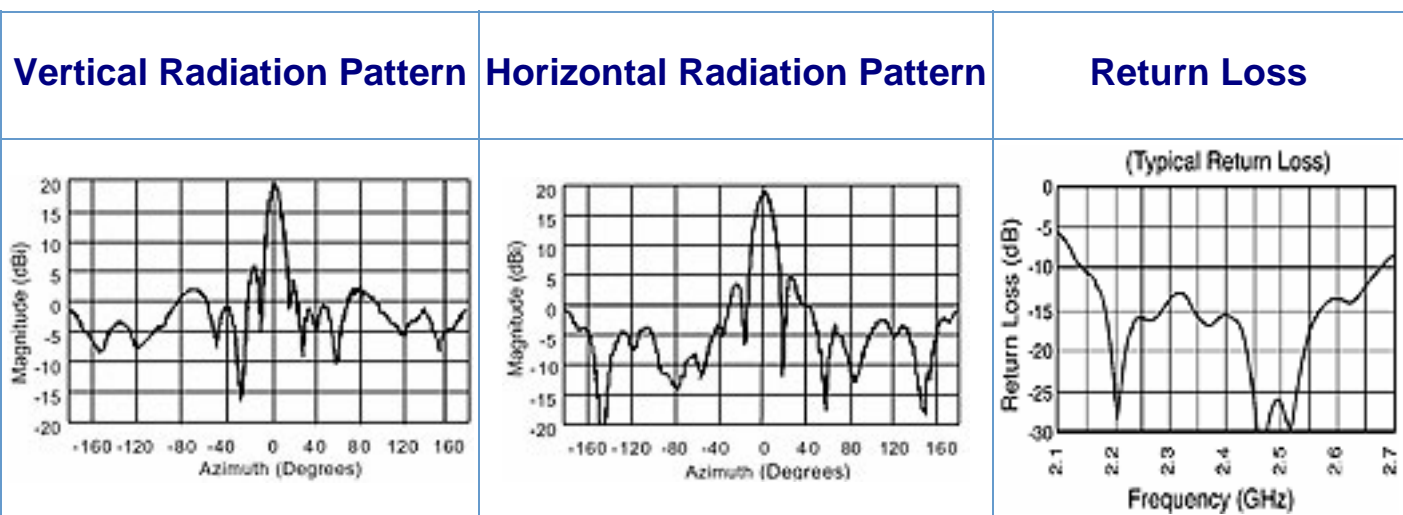
The following standard connectors are available from stock:

Connector Type	Part Number
N Female	HG2419G-NF
N Male	HG2419G-NM

Special Order Connectors

This antenna is also available with 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
Reverse Polarity TNC Female	HG2419G-RTF
Reverse Polarity SMA Female	HG2419G-RSF
Reverse Polarity BNC Female	HG2419G-RBF
Reverse Polarity N Female	HG2419G-RNF
TNC Male	HG2419G-TM
SMA Male	HG2419G-SM
SMA Female	HG2419G-SF
BNC Male	HG2419G-BM



Guaranteed Quality

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