

900 MHz 15 dBi High Performance Die Cast Parabolic Grid Antenna

Applications and Features

Applications:

- 900MHz ISM Band
- Wireless LAN systems
- Wireless Video Links
- Non Line of Sight (NLOS)
- 900MHz Cellular
- Long-range Directional Applications
- Point to Point Systems
- Point to Multi-point Systems
- Wireless Bridges
- Backhaul Applications

Features:

- Superior performance
- Die Cast aluminum construction
- UV stable light gray powder coat finish
- All weather operation
- 19° beam-width
- Two piece reflector grid significantly reduces shipping costs
- Simple to assemble
- Low Wind Loading
- RoHS Compliant



Description

Superior Performance

The HyperGain® High Performance Parabolic Grid Antenna provides 15 dBi gain with a 19° beam-width for directional applications, backhaul applications, point to point systems and Non Line of Sight (NLOS) installations. It is ideally suited for 900MHz ISM and GSM bands. Typical applications include 900MHz Wireless LAN, SCADA, Wireless Video Links and 900MHz Cellular. External interference of this antenna is minimized due to the excellent front to back ratio. This antenna comes with a 30" coax lead terminated with an N-Female connector.

Rugged and Weatherproof

The HG915G construction features a rust-proof die cast aluminum reflector grid for superior strength and light weight. This antenna's 2-piece reflector grid is simple to assemble and significantly reduces shipping costs. The grid surface is UV powder coated for durability and aesthetics. The open-frame grid design minimizes wind loading.

This antenna is supplied with a 20 degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. It can be adjusted up or down from 0° to 20°. It can mounted to a 1.25" (31.8mm) to 2" (50.8mm) dia. mast.

Specifications

Frequency	870 - 960 MHz
Gain	15 dBi
Horizontal Beam Width	30°
Vertical Beam Width	19°
Front to Back Ratio	> 25 dB
Impedance	50 Ohm
Max Power	100 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short
Weight	5.5 lbs. (2.5 kg)
Dimensions	23.5 in (0.6m) x 39.3 in (1.0m)
Mounting	1.25" (31.8mm) to 2" (50.8mm) dia. mast
Polarization	Horizontal or Vertical
Operating Temperature	-40° C to to 85° C (-40° F to 195° F)
RoHS Compliant	Yes

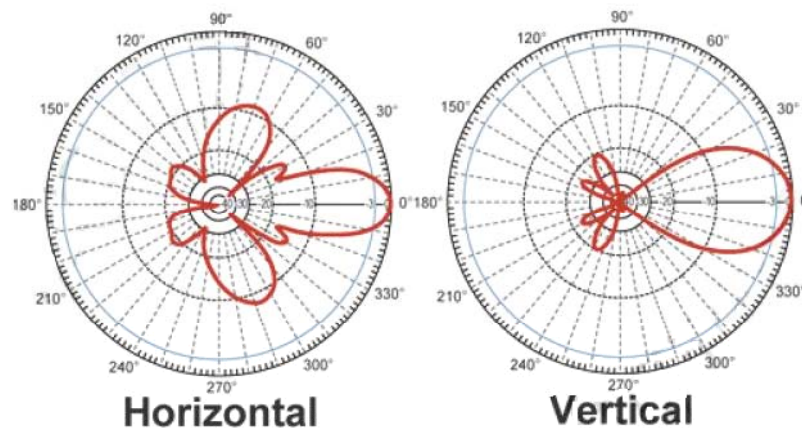
Wind Loading Data

Wind Speed (MPH)	Loading (2.1 sq. ft.)
100	80.5 lb.
140	125.5 lb.

Wind Loading Data

Wind Speed (MPH)	Loading (2.1 sq. ft.)
100	80.5 lb.
140	125.5 lb.

RF Antenna Gain Patterns





ESTEEM
Wireless Modems