

HyperLink Wireless 3.5 GHz 27 dBi Parabolic Grid Antenna Model: HG3527EG

Features

- Superior Performance
- UV Stable Light Gray Powder Coat Finish
- All Weather Operation
- Light weight cast aluminum construction
- Two piece design

Applications

- 3.5GHz Wireless access system
- 3.5GHz WiMax system
- Wireless Bridges
- Long-range Directional Applications
- Point to Point and Multipoint Systems



Description

Superior Performance

The Hyperlink HG3527EG High-Performance Parabolic Reflector Grid Antenna is ideal for long-range highly directional 3.5 GHz applications. Typical applications include IEEE 802.16e, WiMAX and Mobile WiMAX applications. These antennas are ideal for point to point systems, point to multi-point and wireless bridges. Its compact design makes it nearly invisible in most installations, and it can be installed for either vertical or horizontal polarization.

Rugged and Weatherproof

The antennas' construction features a rustproof cast aluminum reflector grid for superior strength and lightweight. The 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 60-degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. They can be adjusted up or down from 0° to 60°.



Specifications

Electrical Specifications

Frequency	3400-3600 MHz
Gain	27 dBi
Horizontal Beam Width	9.5°
Vertical Beam Width	6.5°
Polarization	Vertical or Horizontal
Impedance	50 Ohm
F/B Ratio	≥ 30 dB
Max. Input Power	50 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short

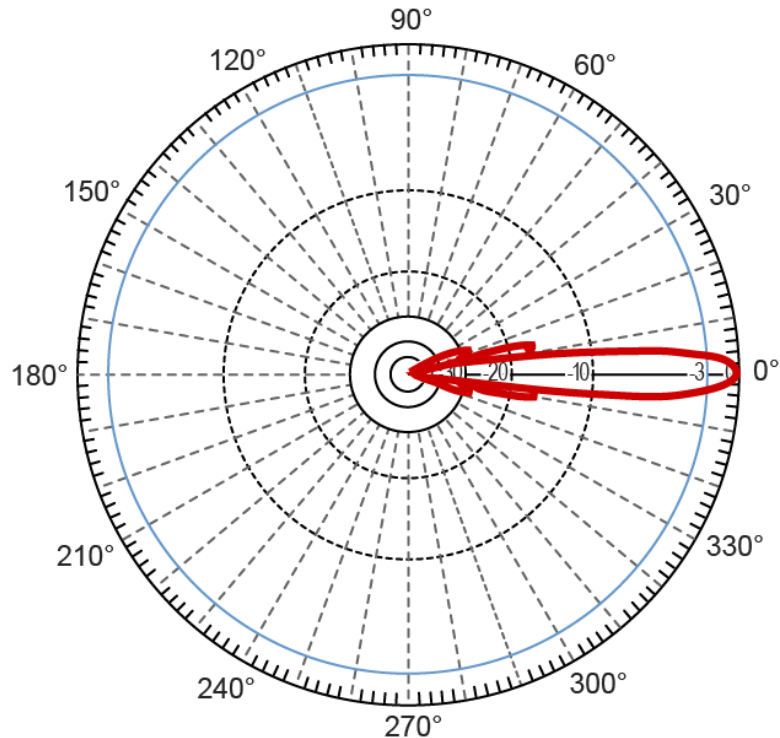
Mechanical Specifications

Connector	N Female
Weight	4.5 lbs. (2.04 kg)
Grid Dimensions	23.6 x 39.1 in. (600 x 992 mm)
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Mounting Mast Diameter	1.25 - 2 in. (31.8 - 50.8 mm) dia. mast

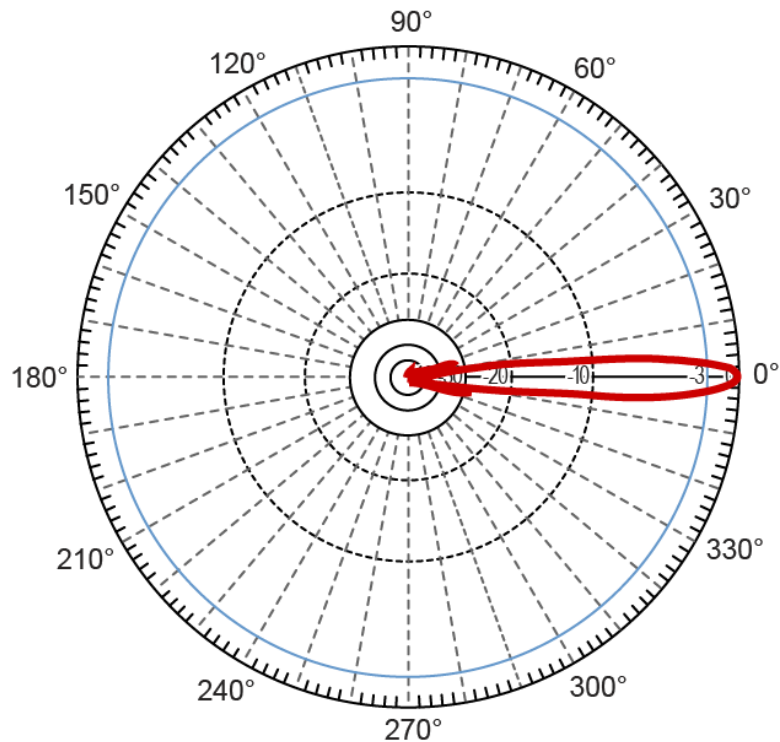
Wind Loading Data

Wind Speed (MPH)	Loading
100	20.0 lb.
120	31.0 lb.

RF Antenna Patterns



Vertical



Horizontal