

HyperLink Wireless brand 3.5 GHz 14 dBi High Performance Flat Patch Antenna for 802.16e and WiMAX - Model: HG3514P-NF

Applications and Features

Applications:

- 3.3 GHz to 3.6 GHz (3350-3600 MHz) Band Applications
- 3.6 GHz to 3.7 GHz (3650-3700 MHz) Band Applications
- Wireless LAN systems
- IEEE 802.16e Applications
- WiMAX
- Mobile WiMAX
- SOFDMA

Features:

- Superior performance
- Light weight
- Durable UV-stable, UL flame rated radome
- Low loss solid brass elements
- DC Short lightning protection
- 12 inch coax lead with N-Female connector (custom connectors also available)
- Can be installed for either vertical or horizontal polarization
- Optional mounting brackets available



Description

Directional Flat Patch Antenna

The HG3514P is a high performance directional flat patch antenna suitable for indoor and outdoor applications in the 3.3GHz to 3.6GHz (3350-3600 MHz) and the 3.6GHz to 3.7GHz (3650-3700 MHz) band. Typical applications include IEEE 802.16e, WiMAX and Mobile WiMAX applications. This flat patch antenna is lightweight and features an aesthetic UV-stable, UL flame rated white plastic radome which can also be painted to match the room or building structure. The HG3514P can be installed for horizontal or vertical polarization. It can be wall or ceiling mounted, as well as mast-mounted using U-bolts.

Specifications

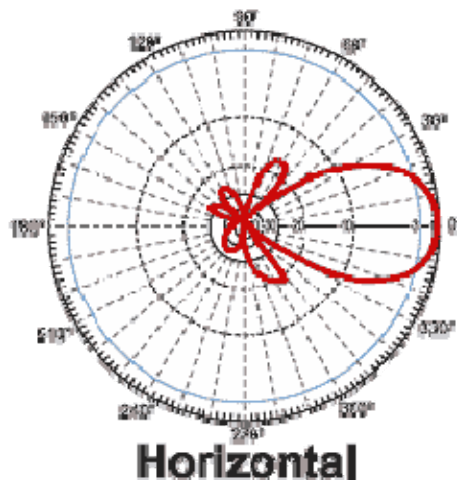
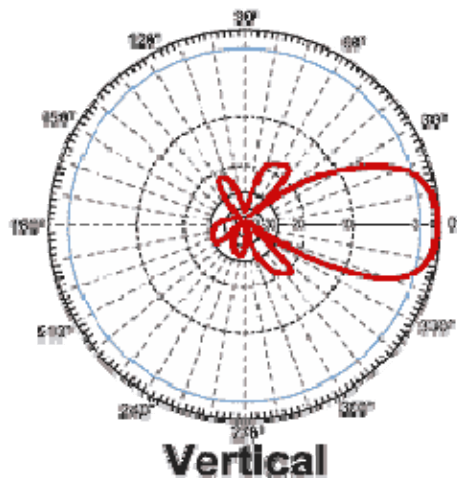
Electrical Specifications

Frequency	3350-3700 MHz
Gain	14 dBi
Horizontal Beam Width	30 degrees
Vertical Beam Width	30 degrees
Impedance	50 Ohm
Max. Input Power	25 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short

Mechanical Specifications

Weight	.95 lbs. (.43 Kg)
Dimensions	8.5 x 8.5 x 1 (inches) 216 x 216 x 26 (mm)
Radome Material	UV-inhibited Polymer
Flame Rating	UL 94HB
Mounting	Four ¼ in. (6.3 mm) Holes
Polarization	Horizontal or Vertical
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Wind Survival	>150 MPH (241 KPH)

RF Antenna Gain Patterns



Guaranteed Quality

This product is designed and manufactured by HyperLink Technologies in the U.S.A. and is backed by Hyperlink's Limited Warranty.