

HyperGain 3.5GHz 11dBi WiMAX Omnidirectional Antenna Model: HG3512UP-NF

Applications

- 3.5 GHz Band Applications
- IEEE 802.16e Applications
- WiMAX and Mobile WiMAX
- Wireless LAN and Multipoint Applications
- SOFDMA

Features

- Superior Performance
- All Weather Operation
- Integral N-Female Connector
- Supplied with mast mounting Kit
- RoHS Compliant



Description

The HyperGain HG3512UP-NF is an economical yet high performance omni-directional WiFi antenna designed and optimized for the 3.5GHz band. Typical applications include IEEE 802.16e, WiMAX and Mobile WiMAX applications. This antenna is ideally suited for multipoint applications where wide coverage is desired.

The HG3512UP-NF construction features a gray color fiberglass radome for durability and aesthetics. The included mounting system features heavy-duty steel bracket and a pair of u-bolts, allowing installation on masts from 1.4 inches (35 mm) up to 2.0 inches (50 mm) diameter. This antenna features an integral N-Female connector

Specifications

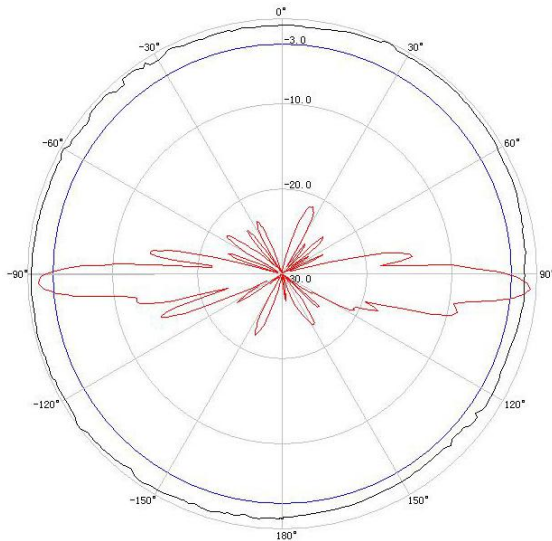
Mechanical Specifications

| | |
|--------------------------------------|-------------------|
| Frequency | 3400-3700 MHz |
| Gain | 11.6dBi |
| Horizontal/Vertical Beamwidth | 360°/6.5° |
| Polarization | Vertical |
| Impedance | 50Ohm |
| VSWR | >1.5 |
| Max Input Power | 100 watts |
| Lightning Protection | DC Short |
| Connector | Integral N-Female |

Electrical Specifications

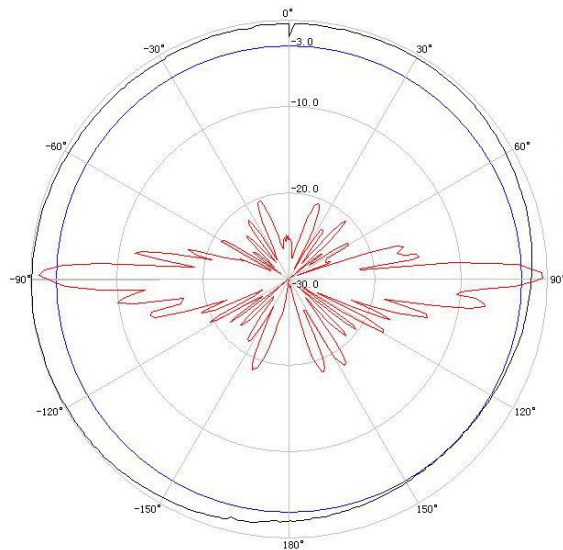
| | |
|------------------------|-----------------|
| Weight | 1.54lbs (0.7kg) |
| Radome Material | Fiberglass |
| Radome Diameter | .787" (20mm) |
| Length | 3.08' (940mm) |

Radiation Patterns



Horizontal/Vertical

3.5 GHz



Horizontal/Vertical

3.7GHz