



## 2.4 GHz 14 dBi 90 Degree Vertical Polarized Sector Panel Wireless LAN Antenna - Model: HG2414SP-090

### Applications and Features

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#### Applications:

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- Bluetooth®
- Public Wireless Hotspot
- WiFi
- Wireless Video Systems
- Wireless Internet Provider "cell" sites

#### Features:

- Superior performance
- All weather operation
- Vertical Polarized
- 20° Down-Tilt Mounting Bracket
- Includes Mast Mounting Hardware
- Integral N-Female Connector
- RoHS Compliant



### Description

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#### Superior Performance

The HyperGain® HG2414SP-090 Sector Panel WiFi Antenna combines high gain with a 90° beam-width. It is a professional quality "cell site" antenna designed primarily for service providers in the 2.4GHz ISM band. Applications include IEEE 802.11b and 802.11g wireless LAN systems.

#### Rugged and Weatherproof

This WiFi antenna features a heavy-duty plastic radome for all-weather operation. The heavy-duty mounting system allows installation adjusts from 0 to 20 degrees downtilt.

#### Ideal for Wireless Internet "Cell" Sites

This is an ideal choice for Wireless Internet Provider "cell" sites since the cell size can be easily determined by adjusting the down-tilt angle. Horizontal coverage is a full 90 degrees.



## Specifications

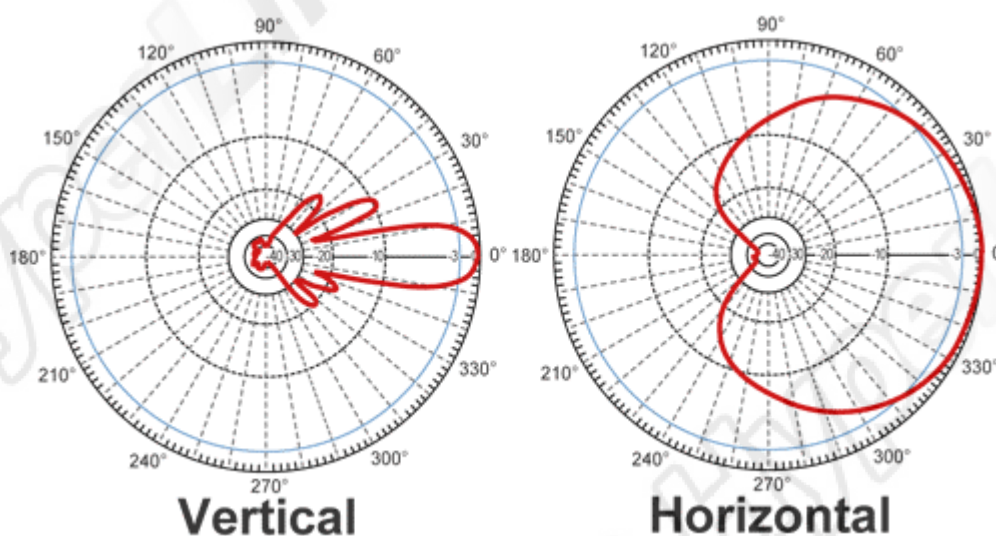
### Electrical Specifications

Frequency	2400 - 2500 MHz
Gain	14 dBi
Polarization	Vertical
Horizontal Beam Width	90°
Vertical Beam Width	15°
Impedance	50 Ohm
VSWR	< 1.5:1 avg.
Front to Back Ratio	> 23 dB
Max. Input Power	300 Watts
Lightning Protection	DC Ground
Connector	Integral N-Female

### Mechanical Specifications

Weight	4.4 lbs. (2 kg)
Dimensions	20 x 7 x 3.5 inch (500 x 180 x 90 mm)
Radome Material	UV-inhibited Plastic
Mounting	2 inch (50 mm) dia. mast max.
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Rated Wind	>130 MPH (210 Km/h)
RoHS Compliant	Yes

### RF Antenna Gain Patterns



### Guaranteed Quality

This product is backed by Hyperlink's Limited Warranty.