

## 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

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**Description****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

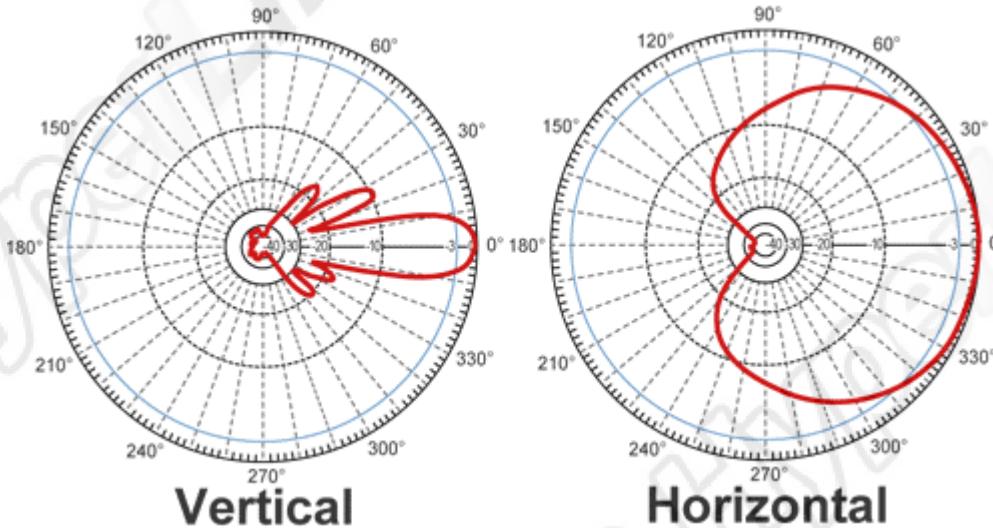
### Electrical Specifications

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

### Mechanical Specifications

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

### RF Antenna Gain Patterns



### Guaranteed Quality

This product is backed by Hyperlink's Limited Warranty.