

2.4 GHz 14 dBi 90 Degree Vertical Polarized Sector Panel Wireless LAN Antenna (Now ANATEL® APPROVED)

Model: HG2414SP-090

Applications and Features

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

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.

ANATEL® APPROVED

This antenna has been homologated (tested) in Brazil and is ANATEL® APPROVED for all installations in Brazil. This is another antenna in a series of L-com antennas certified for installation and use throughout Brazil.

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 down tilt.

**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	12.5° to 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 85° C (-40° F to 185° F)
Rated Wind	>130 MPH (210 Km/h)
Compliant	ANATEL® Brazil and RoHS

RF Antenna Gain Patterns

