

2.4 GHz 14 dBi Backfire Wireless LAN Antenna

Applications and Features

Applications:

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- WiFi Systems
- Directional Applications
- CPE Applications
- Point to Multi-point Systems
- Wireless Bridges
- Backhaul Applications

Features:

- Superior performance
- Compact size and low profile
- All weather operation
- Tilt and Swivel Mast or Wall mounting
- Integral N-Female connector
- RoHS Compliant



Description

The HyperGain® "Backfire" is a compact high performance Wi-Fi reflector antenna. It is ideally suited for IEEE 802.11b and 802.11g wireless LANs and other systems operating in the 2.4GHz ISM band and CPE (Customer Premise Equipment) applications where directional coverage is desired. These antennas feature a tilt and swivel mount for wall or mast mounting. The reflector design minimizes interference.

Specifications

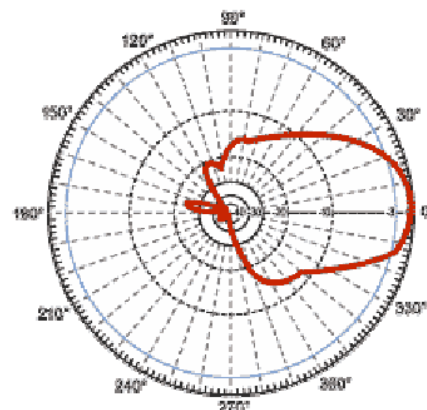
Electrical Specifications

Frequency	2400-2500 MHz
Gain	14 dBi
Horizontal Beam Width	25 degrees
Vertical Beam Width	25 degrees
Front to Back Ratio	>30dB
Impedance	50 Ohm
VSWR	< 1.5:1 avg.
Maximum Input Power	50 Watts
Lightning Protection	DC Short

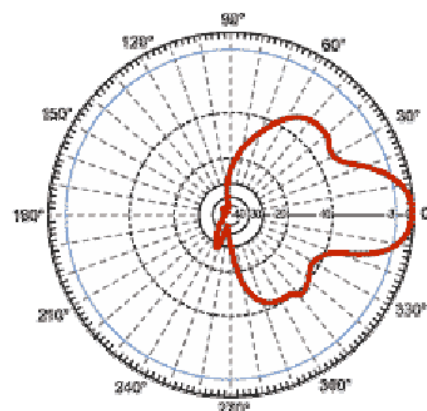
Mechanical Specifications

Weight	< 3.0 lbs. (1.4 Kg)
Diameter	10.25" (260mm)
Radome Material	Aluminum
Mast Diameter	2.0" (50mm) max.
Polarization	Horizontal or Vertical
Wind Survival	>150 MPH
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
RoHS Compliant	Yes
Connector	N-Female

RF Antenna Gain Patterns



Vertical



Horizontal