



Vertically Polarized Omni Antennas

2400 to 2485 MHz Operation



9dB Omni

Features

- 9 dB Antenna Gain
- 9dBi has 0 deg or 7deg electrical downtilt options
- Type N Female Integrated Bulkhead Connector
- Rugged, Lightweight and Waterproof

Applications

- 2.4 GHz ISM Band Applications
- 802.11b and 802.11g Wireless Systems
- Point to Multi-point Systems
- Base Station Antennas
- Wireless Broadband Systems
- WiFi Access Points

Description

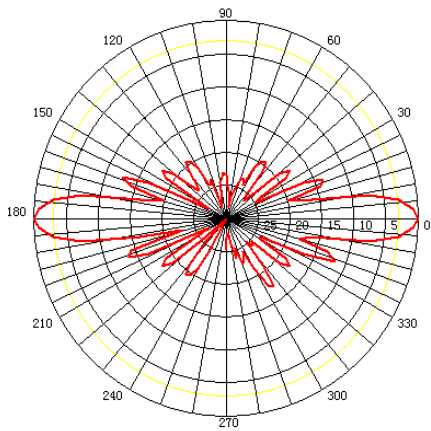
The Omni Directional antenna systems offered by Bountiful WiFi is constructed of UV-stable fiberglass with all stainless steel brackets standard. They come standard with Type N female bulkhead connectors with extra heavy duty nuts for optional standoff type mounting. The 9dBi is available with 0 degree electrical downtilt and 7 degree electrical downtilt which is perfect for close-in wireless systems such as apartment complexes. Because of its unique high performance design which eliminates nulls, they can be used in a wide variety of wireless systems.

Specifications

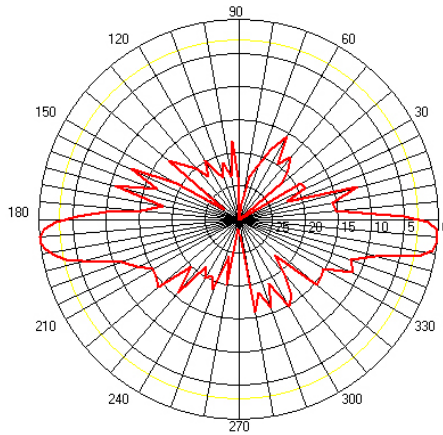
Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	2400		2485	MHz
<i>Input Return Loss (S₁₁)</i>		-14		dB
<i>VSWR</i>		1.5:1		
<i>Impedance</i>		50		OHM
<i>Input Power</i>			100	W
<i>Pole Diameter (OD)</i>	1 25		2 50	inch mm
<i>Operating Temperature</i>	-40		+70	Deg C

2400 – 2485 MHZ	BWANT-9
<i>Gain</i>	9dBi
<i>Vertical Beam Width</i>	14deg
<i>Electrical Downtilt</i>	0 deg or 7 deg
<i>Rated Wind Velocity</i>	125mph (56 M/sec)
<i>Weight</i>	1.1 Lbs (0.5Kg)
<i>Dimension (L +/-1.0")</i> Diameter Approx. 0.6" (15mm)	27" (69cm)

Antenna Patterns at 2.45GHz



9dB Vertical Antenna Pattern
0 Deg Elec Downtilt – E Plane



9dB Vertical Antenna Pattern
7 Deg Elec Downtilt – E Plane

Wind Loading	
100MPH	8.75 Lbs
125MPH	13.7 Lbs

Notes:

- All shipments F.O.B. Bountiful WiFi
- All antennas carry a 2 Year Warranty

