

## Vertically Polarized Omni Directional Antenna's 2400 to 2485 MHz Operation



### **Features:**

- **9 and 12 dB Antenna Gain**
- **12dB has 3 Deg Electrical Downtilt Standard**
- **9dBi has 0 deg or 7deg electrical downtilt options**
- **Type N Female Integrated Bulkhead Connector**
- **12dB has optional 24" Pigtail with N Male or N Female Connector**
- **Rugged, Lightweight and Waterproof**

### **Description:**

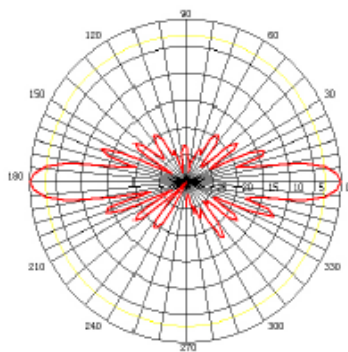
The Omni Directional antenna systems offered by ibridge Networks Inc. are constructed of UV-stable fiberglass with all stainless steel brackets standard. They come standard with Type N female bulkhead connectors with extra heavy duty nuts for optional standoff type mounting. The 12dBi has a 3 Deg Electrical Downtilt standard. It also has 24" pigtail option with N Female or N Male connectors for direct connection to outdoor access points. 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 their unique high performance design which eliminates nulls, they can be used in a wide variety of wireless systems.

**Specifications:**

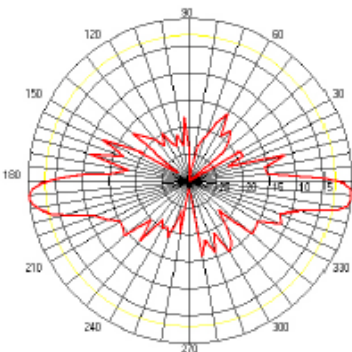
Parameter	Min	Typ	Max	Units
Frequency Range	2400		2485	MHz
Input return Loss (S11)		-14		dB
VSWR		1.5:1		
Impedance		50		OHM
Input Power			100	W
Pole Diameter (OD)	1 5		2 5	Inch mm
Operating Temperature	-40		+70	Deg C

2400 - 2485 MHz	ib_OD_24-9	ib_OD_24-12
Gain	9dBi	12dBi
Vertical beam Width	14deg	7deg
Electrical Downtilt	0 or 7 Deg	3 deg
Rated Wind Velocity	125mph (56 M/sec)	125mph (56 M/sec)
Weight	1.1Lbs(0.5kg)	1.4Lbs(0.6Kg)
Dimension( L+/-1.0") Diameter approx0.6" (15mm)	27"(69cm)	48" (122cm)

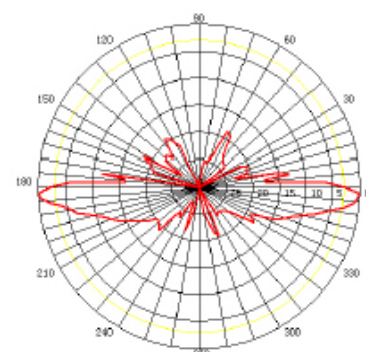
**Antenna Pattern at 2.45GHz**



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



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



12dB Vertical Antenna Pattern  
3 Deg Elec Downtilt – E Plane

**Marketed & Distributed in India By:**  
**BRIJ INFOTECH PVT. LTD.**  
 A4/16, Siddharth Nagar II, Goregaon (West), Mumbai- 400 062  
 Tel: 022 – 28789630 Email: [sales@brijindia.com](mailto:sales@brijindia.com), URL: [www.brijindia.com](http://www.brijindia.com)

**ibridge Networks Inc.**  
 28, Bedford Road, East Ham, London, E6 2NN, UK