



## Vertically Polarized Omni Antennas

### 2400 to 2485 MHz Operation

### Features

- 7 dBi Antenna Gain
- 5 Deg Electrical Downtilt
- 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



7dB Omni

### Description

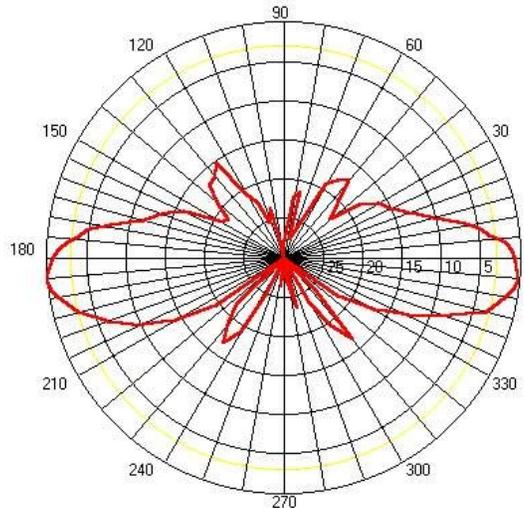
The Omni Directional antenna systems offered by Pacific Wireless are constructed of UV-stable fiberglass with all stainless steel brackets standard. They come standard with Type N female bulkhead connectors with extra heavy duty nuts for optional standoff type mounting. The 7dBi has a 5 Deg Electrical Downtilt standard 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
<i>Frequency Range</i>	2400		2485	MHz
<i>Input Return Loss (S<sub>11</sub>)</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	OD24-7 D5	
<i>Gain</i>	7dBi	
<i>Vertical Beam Width</i>	18deg	
<i>Electrical Downtilt</i>	5deg	
<i>Rated Wind Velocity</i>	125mph (56 M/sec)	
<i>Weight</i>	1.1 Lbs (0.5Kg)	
<i>Dimension (L +/-1.0")</i>	21" (54cm)	
<i>Diameter Approx. 0.6" (15mm)</i>		

### Antenna Patterns at 2.45GHz



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

**Notes:**

- All shipments F.O.B. Pacific Wireless Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

**System Ordering:**

OD24-  -  -

Antenna Gain  
7 = 7dBi

Electrical Downtilt  
D5 = 5 Degrees Electrical Downtilt

Options

**Blank** = N Female Integrated Connector and stainless steel bracket

**SM** = N Female Integrated Connector and Powder Coat Painted Standoff Mount



Closeup of standard stainless steel bracket and bulkhead N connector



7dBi Omni with Optional Standoff Type Mount

**For further information contact:**



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