



Pacific Wireless

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PAWOD9

DATA SHEET

NLOS Series Vertically Polarized Omni Antenna

900 to 928 MHz Operation

Features

- 900MHz Omni Directional Antenna
- Available in 5, 6, 8 and 11dBi gain models
- 1degree electrical downtilt available on the 11dBi model
- UV Stabilized Fiberglass / Stainless Steel Construction
- 18" Pigtail with Type N Female Connector Standard (6dBi and 8dBi Models Only)
- Available with RPTNC, RPN and N Connectors

Applications

- 900 MHz ISM Band Applications
- Non Line of Sight Applications
- WISP Base Station Equipment
- Point to Multi-point Systems

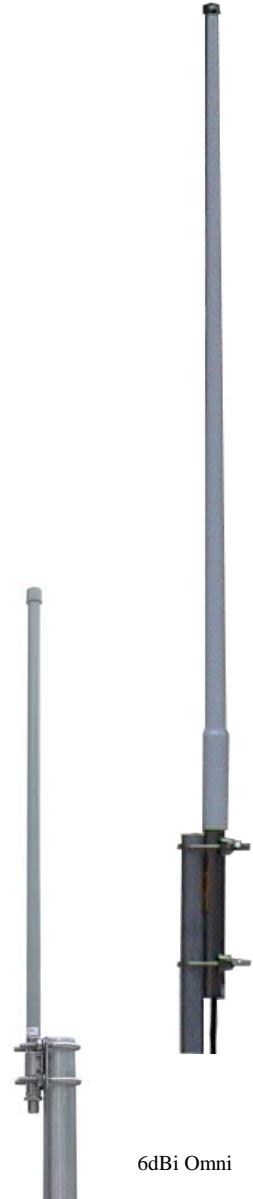
Description

The NLOS Series Omnidirectional Antenna system offered by Pacific Wireless are constructed of UV stabilized fiberglass and Stainless Steel for long service life. Mounting is easy with a dual u-bolt mounting system. The antennas are vertically polarized. The 6dBi and 8dBi come standard with 18" pigtailed terminated in an N female connector. The 5dBi and 11dBi comes standard with an integrated N Female connector. The omni's are DC grounded for lightning protection. New in 2004 is the 11dBi omni with 1 deg electrical downtilt which gives improved close-in coverage.

Specifications

Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	900		928	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 (51)	Inch (mm)
<i>Operating Temperature</i>	-45		+70	Deg C
<i>Rated Wind Velocity</i>			125 (56)	Mph (m/sec)

*Note: Pacific Wireless does not supply the mounting pole

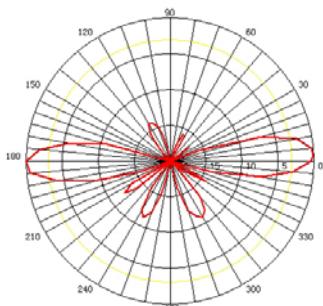


5dBi Omni

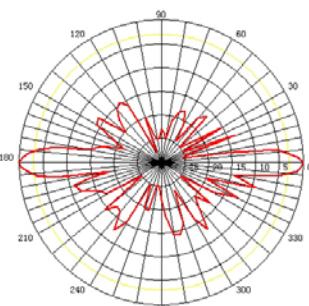
900 – 928 MHZ	OD9-5	OD9-6	OD9-8	OD9-11	OD9-11D1
<i>Gain</i>	5dBi	6dBi	8dBi	11dBi	11dBi
<i>Vertical 3dB Beamwidth</i>	36 Deg	16 deg	10 deg	7 deg	7 deg
<i>Electrical Downtilt</i>	0	0	0	0	1 deg
<i>Weight</i>	1.3 Lbs (.6 Kg)	5.4 Lbs (2.0 Kg)	6.7 Lbs (2.5 Kg)	9.4 Lbs (3.5 Kg)	9.4 Lbs (3.5 Kg)
<i>Length Dimension</i>	24" (610 mm)	5.6' (1.7 m)	8.5' (2.6 m)	11' (3.4 m)	11' (3.4 m)

Diameter = ~1.5" (38 mm)					
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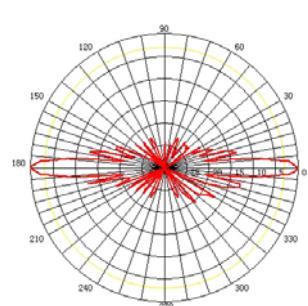
Antenna Patterns at 910 MHz



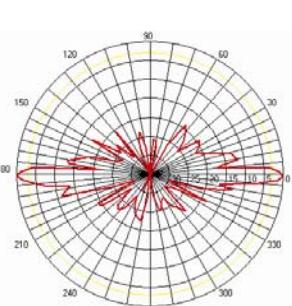
OD9-6 E Plane



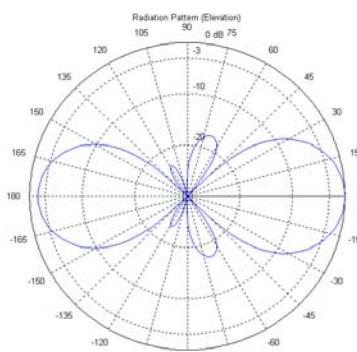
OD9-8 E Plane



OD9-11 E Plane



OD9-11D1 E Plane



OD9-5 E Plane

Notes:

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



OD9-6, OD9-8, OD9-11



OD9-5

System Ordering:

OD9-5	5dBi Slimline NLOS Series 900MHz Omni Antenna with N Female Bulkhead Connector
OD9-6	6dBi NLOS Series 900MHz Omni Antenna with 18" Pigtail/N Female Connector
OD9-8	8dBi NLOS Series 900MHz Omni Antenna with 18" pigtail N Female Connector
OD9-11	11dBi NLOS Series 900MHz Omni Antenna with Integrated N Female Connector
OD9-11D1	11dBi 1deg elec downtilt NLOS Series 900MHz Omni Antenna with Integrated N Female Connector

For further information contact:



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