



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" pigtails 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
Frequency Range	900		928	MHz
Input Return Loss (S₁₁)		-14		dB
VSWR		1.5:1		
Impedance		50		OHM
Input Power			100	W
Pole Diameter (OD)	1 (25)		2 (51)	Inch (mm)
Operating Temperature	-45		+70	Deg C
Rated Wind Velocity			125 (56)	Mph (m/sec)

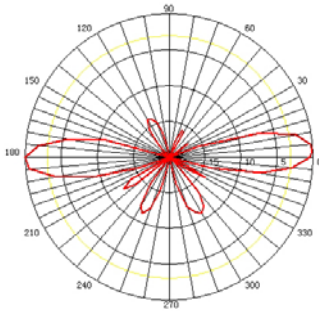
*Note: Pacific Wireless does not supply the mounting pole

900 – 928 MHZ	OD9-5	OD9-6	OD9-8	OD9-11	OD9-11D1
Gain	5dBi	6dBi	8dBi	11dBi	11dBi
Vertical 3dB Beamwidth	36 Deg	16 deg	10 deg	7 deg	7 deg
Electrical Downtilt	0	0	0	0	1 deg
Weight	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)
Length Dimension	24" (610 mm)	5.6' (1.7 m)	8.5' (2.6 m)	11' (3.4 m)	11' (3.4 m)

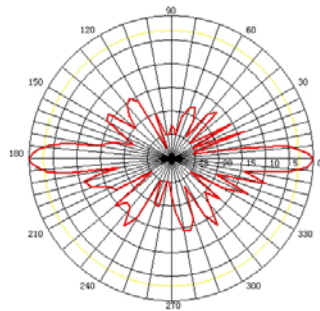


Diameter = ~1.5" (38 mm)					
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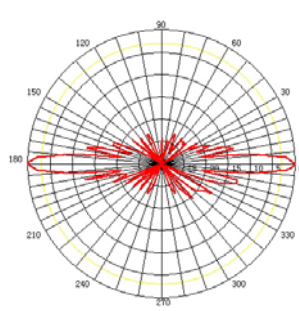
Antenna Patterns at 910 MHz



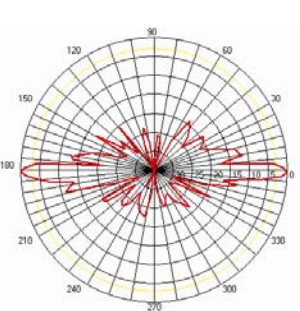
OD9-6 E Plane



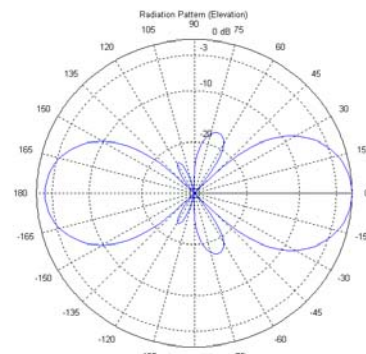
OD9-8 E Plane



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

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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