

Pacific Wireless
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TEL (801) 572-3024
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www.pacwireless.com

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)

Applications

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

Description

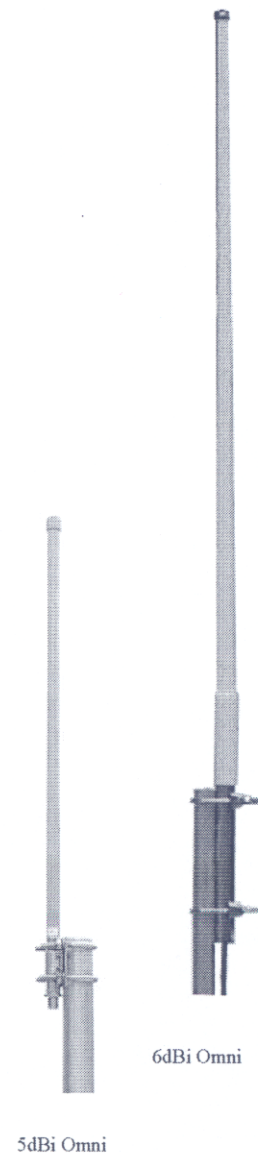
The NLOS Series Omnidirectional Antenna system offered by Pacific Wireless are constructed of UV stabilized fiberglass and Stainless Steel for long service life. Mounting is easy with a dual u-bolt mounting system. The antennas are vertically polarized. The 6dBi and 8dBi come standard with 18" pigtails 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

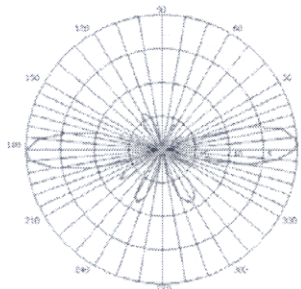
Parameter	Min	Typ	Max	Units
Frequency Range	900		928	MHz
Input Return Loss (S_{11})		-14		dB
VSWR		1.5:1		
Impedance		50		OHM
Input Power			100	W
Pole Diameter (OD)	1 (25)		2 (51)	Inch (mm)
Operating Temperature	-45		+70	Deg C
Rated Wind Velocity			125 (56)	Mph (m/sec)

*Note: Pacific Wireless does not supply the mounting pole

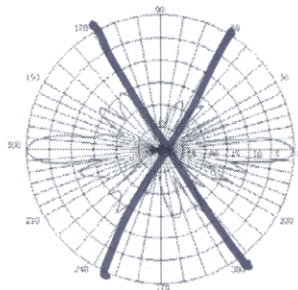
900 - 928 MHZ	OD9-5	OD9-6	OD9-8	OD9-11	OD9-11D1
Gain	5dBi	6dBi	8dBi	11dBi	11dBi
Vertical 3dB Beamwidth	36 Deg	16 deg	10 deg	7 deg	7 deg
Electrical Downtilt	0	0	0	0	1 deg
Weight	1.3 Lbs (.6 Kg)	5.4 Lbs (2.0 Kg)	6.7 Lbs (2.5 Kg)	9.4 Lbs (3.5 Kg)	9.4 Lbs (3.5 Kg)
Length Dimension Diameter = ~1.5" (38 mm)	24" (610 mm)	5.6' (1.7 m)	8.5' (2.6 m)	11' (3.4 m)	11' (3.4 m)



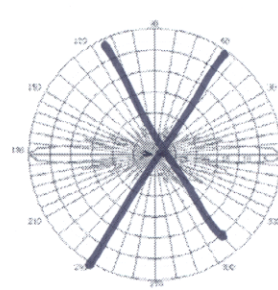
Antenna Patterns at 910 MHz



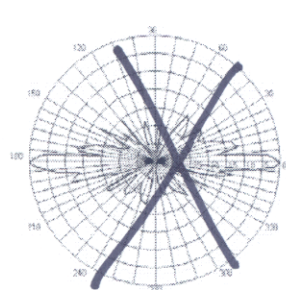
OD9-6 E Plane



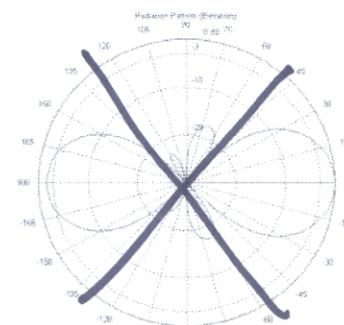
OD9-8 E Plane



OD9-11 E Plane



OD9-11D1 E Plane



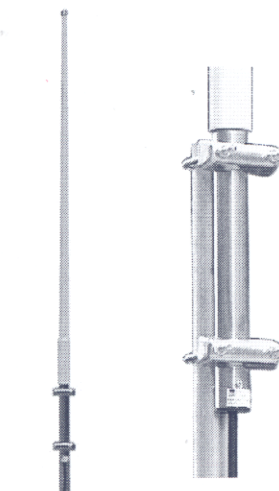
OD9-5 E

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

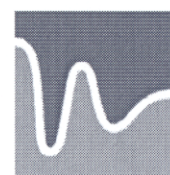


OD9-6, OD9-8, OD9-11



OD9-5

For further information contact:



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