



NLOS Series Vertically Polarized Omni 860 to 960 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
- Cellular Applications

Description

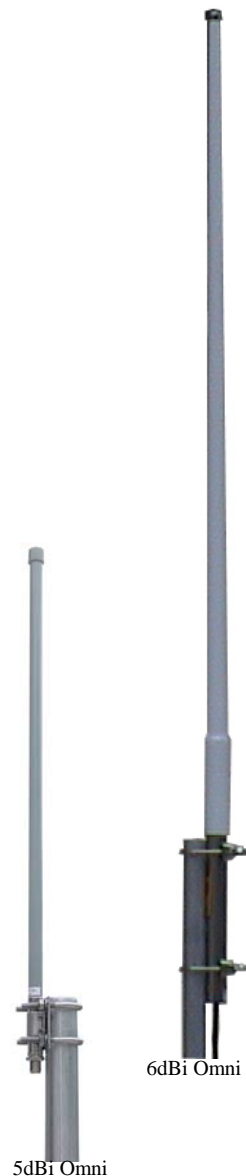
The NLOS Series Omnidirectional Antenna system offered by Pacific Wireless are constructed of UV stabilized fiberglass and Stainless Steel for long service life. Mounting is easy with a dual u-bolt mounting system. The antennas are vertically polarized. The 6dBi and 8dBi come standard with 18" pigtails 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. The 11dBi omni is available with 1 deg electrical downtilt which provides null fill and improved close-in coverage.

Specifications

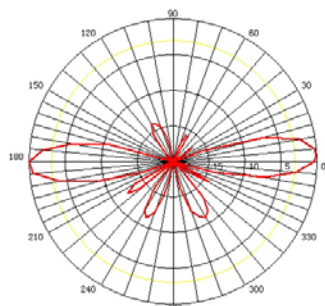
Parameter	Min	Typ	Max	Units
VSWR		1.5:1		
Impedance		50		OHM
Input Power			100	W
Pole Diameter (OD)	1 (25)		2 (51)	Inch (mm)
Operating Temperature	-45		+70	Deg C
Rated Wind Velocity			125 (56)	Mph (m/sec)

*Note: Pacific Wireless does not supply the mounting pole

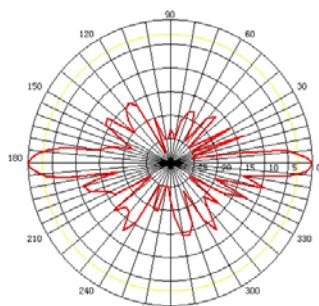
	OD9-5	OD9-6	OD9-8	OD9-11	OD9-11D1
Gain	5dBi	6dBi	8dBi	11dBi	11dBi
VSWR 1.5:1 Bandwidth	890 – 950 MHz	865-945 MHz	865-945MHz	860-960MHz	860-960MHz
VSWR 2.0:1 Bandwidth		860-960 MHz	860-960MHz		
Vertical 3dB Beamwidth	36 Deg	16 deg	10 deg	7 deg	7 deg
Electrical Downtilt	0	0	0	0	1 deg
Weight	1.3 Lbs (.6 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 <i>Diameter = ~1.5" (38 mm)</i>	24" (610 mm)	5.6' (1.7 m)	8.5' (2.6 m)	11' (3.4 m)	11' (3.4 m)



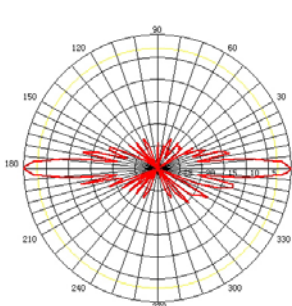
Antenna Patterns at 910 MHz



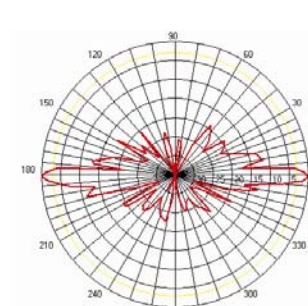
OD9-6 E



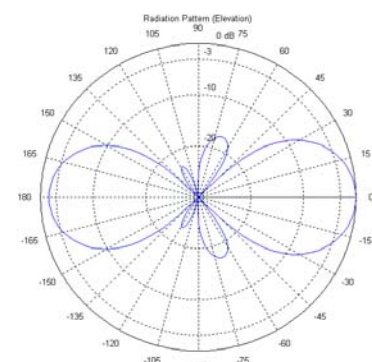
OD9-8 E



OD9-11 E



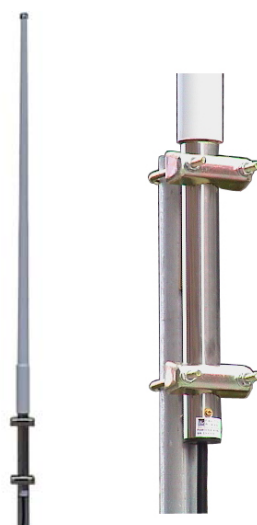
OD9-11D1 E Plane



OD9-5 E

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:



Pacific Wireless

14575 South Centerpoint Way
Bluffdale, UT 84065
TEL (801) 572-3024
FAX (801) 572-3025
www.pacwireless.com