



global solutions :  
local support™

## NLOS Series Vertically Polarized Omni 860 to 960 MHz Operation

The NLOS series omnidirectional antenna system offered by Laird Technologies 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.

### Features and Benefits:

- 900MHz omnidirectional antenna
- Available in 5, 6, 8 and 11dBi gain models
- 1 degree 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
- WISP base station equipment
- Non line of sight applications
- Cellular applications

For sales information:

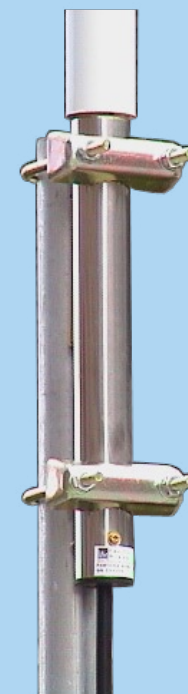
Telephone 800-323-3757

E-Mail [sales@pacwireless.com](mailto:sales@pacwireless.com)

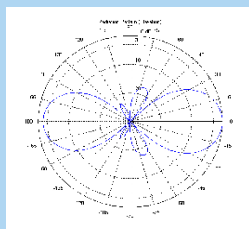
or visit: [www.pacwireless.com](http://www.pacwireless.com)

## Specifications

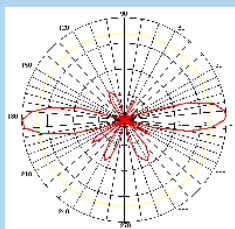
Parameter	Min	Typ	Max	Units	
VSWR		1.5:1			
Impedance		50		OHM	
Input Power			100	W	
Pole Diameter (OD)	1 (25)		2 (51)	Inch (mm)	
Operating Temperature	-45		+70	Deg C	
Rated Wind Velocity			125 (56)	Mph (m/sec)	
*Note: Laird Technologies does not supply the mounting pole					
	<b>OD9-5</b>	<b>OD9-6</b>	<b>OD9-8</b>	<b>OD9-11</b>	<b>OD9-11D1</b>
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					
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)



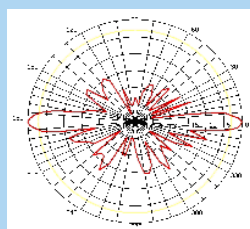
## Antenna Patterns



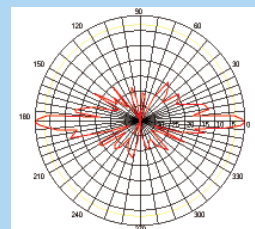
OD9-5



OD9-6



OD9-8



OD9-11D1

## 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
OD9-11D1	11dBi 1deg elec downtilt NLOS Series 900MHz Omni Antenna with Integrated N Female Connector

## Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

Any information furnished by Laird Technologies and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability, or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies domestic terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request.

*Specifications subject to change without notice.*



global solutions :  
local support™