



860-960 MHz VERTICALLY POLARIZED OMNIDIRECTIONAL ANTENNA

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 and are DC grounded for lightning protection. The 6 dBi and 8 dBi come standard with 18 inch pigtailed terminated in an N female connector. The 5 dBi and 11 dBi come standard with an integrated N Female connector. The 11 dBi is available with 1° electrical downtilt which provides null fill and improved close-in coverage.

FEATURES

- 900 MHz omnidirectional antenna
- Available in 5, 6, 8 and 11 dBi gain models
- 1° electrical downtilt available on the 11 dBi model
- UV stabilized fiberglass / stainless steel construction
- 18 in pigtail with type N female connector standard (6 dBi and 8 dBi models only)

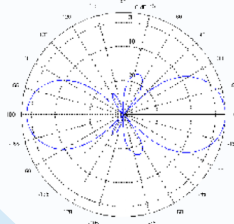
MARKETS

- 900 MHz ISM band applications
- WISP base station equipment
- Non line-of-sight applications
- Cellular applications
- WiMAX

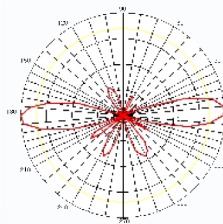
PARAMETER	OD9-5	OD9-6	OD9-8	OD9-11	OD9-11D1
VSWR	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm
Input power	100 W	100 W	100 W	100 W	100 W
Pole diameter (OD)	1 - 2 in (25-51 mm)	1 - 2 in (25-51 mm)	1 - 2 in (25-51 mm)	1 - 2 in (25-51 mm)	1 - 2 in (25-51 mm)
Operating temperature	-45 to 70°C	-45 to 70°C	-45 to 70°C	-45 to 70°C	-45 to 70°C
Rated wind velocity	125 mph (56 m/sec)	125 mph (56 m/sec)	125 mph (56 m/sec)	125 mph (56 m/sec)	125 mph (56 m/sec)
Gain	5 dBi	6 dBi	8 dBi	11 dBi	11 dBi
VSWR 1.5:1 bandwidth	890-950 MHz	865-945 MHz	865-945 MHz	860-960 MHz	860-960 MHz
VSWR 2.0:1 bandwidth		860-960 MHz	860-960 MHz		
Vertical 3dB beamwidth	36°	16°	10°	7°	7°
Electrical downtilt	0	0	0	0	1°
Length	24 in (610 mm)	5.6 ft (1.7 m)	8.5 ft (2.6 m)	11 ft (3.4 m)	11 ft (3.4 m)
Diameter	1.5 in (38 mm)	1.5 in (38 mm)	1.5 in (38 mm)	1.5 in (38 mm)	1.5 in (38 mm)

SYSTEM ORDERING

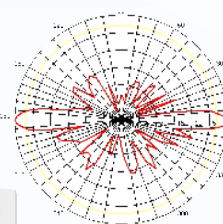
- OD9-5 5 dBi slimline NLOS series 900 MHz omni antenna with N female bulkhead connector
 OD9-6 6 dBi NLOS series 900 MHz omni antenna with 18 in pigtail / N female connector
 OD9-8 8 dBi NLOS series 900 MHz omni antenna with 18 in pigtail / N female connector
 OD9-11D1 11 dBi 1° elec downtilt NLOS series 900 MHz omni antenna with integrated N female connector



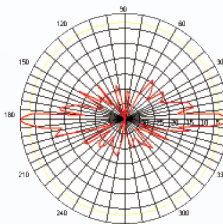
OD9-5



OD9-6



OD9-8



OD9-11D1



ANT-DS-OD9 0611

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