

### 900 TO 928 MHz NLOS SERIES GRID DISH ANTENNA

The NLOS series grid dish antenna system offered by Laird Technologies is constructed of heavy duty galvanized welded steel with light gray powder coat paint overcoat for long service life. These antennas have high gain and good front to back performance to minimize external interference. They come standard with an 18 inch pigtail cable terminated with an N female connector. Other connector types are available upon request.

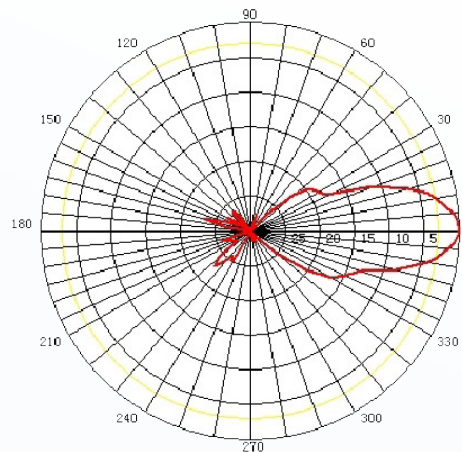
#### FEATURES

- High gain directional 900 MHz antenna
- Low wind loading patented wire grid design
- Vertical polarization
- 18 in pigtail with type N female connector standard

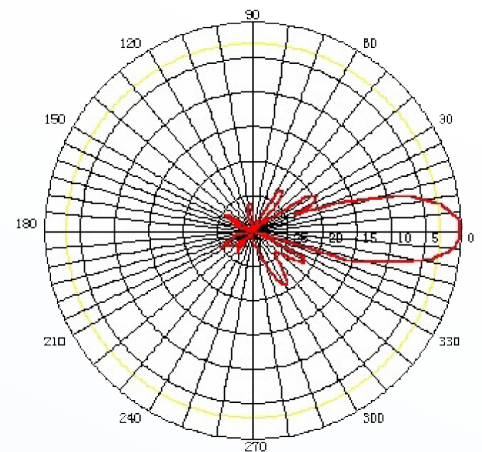
#### MARKETS

- 900 MHz ISM band applications
- 900 MHz backhaul applications
- Non line-of-sight applications
- Point-to-point systems
- WiMAX

#### ANTENNA PATTERN



E-plane at 902 MHz



H-plane at 902 MHz

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### SPECIFICATIONS

PARAMETER	
Frequency range	900-928 MHz
Input return loss (S11)	-14 dB
VSWR	1.5:1
Impedance	50 ohm
Input power	100 watts
Pole diameter (OD)	1.5 to 3 in (38 to 76 mm)
Operating temperature	-45° to +70°C
Rated wind velocity	125 mph (56 m/sec)
Gain	18 dBi
Beamwidth	16.5°
Front to back	> 30 dB
Weight	27 lbs (10 kg)
Dimension	4 ft (1.2 m)

### WIND LOADING (LBS.)

MODEL	100 MPH	125 MPH	100 MPH WITH ½ IN RADIAL ICE
GD9-18	49.5 lbs	77.3 lbs	337 lbs

### SYSTEM ORDERING

GD9-18                      18 dBi 900 MHz grid dish antenna with N female connector

### NOTES

- All shipments F.O.B. Schaumburg, IL 60173
- Laird Technologies does not supply the mounting pole.

ANT-DS-GD9-18 0611

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