Innovative **Technology** for a **Connected** World

VERTICALLY POLARIZED OMNI ANTENNAS

OD49

4900-4990 MHz VERTICALLY POLARIZED OMNIDIRECTIONAL ANTENNA

The 4.9 GHz omnidirectional antenna systems offered by Laird Technologies are constructed of UV-stable fiberglass with all stainless steel brackets standard. They have Type N female bulkhead connectors. The horizontal pattern is a full 360° with gain flatness better than 2 dB. Some models are available with electrical downtilt for better close in coverage.

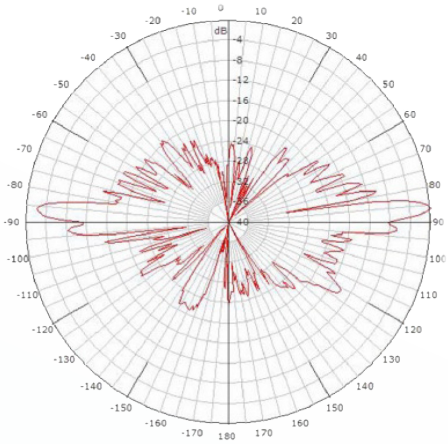
FEATURES RoHS

- 11 dBi antenna gain
- Type N female integrated bulkhead connector
- Rugged, lightweight, and waterproof

MARKETS

- Public safety applications
- Point-to-multi-point systems
- Mobile base station antennas
- Outdoor wireless systems
- WiMAX

PARAMETER	SPECIFICATIONS
Frequency range	4940 - 4990 MHz
VSWR	1.5:1
Impedance	50 ohm
Input power	100 W
Pole diameter (OD)	1 - 2 in (25 - 50 mm)
Operating temperature	-40 to +70°C
Gain	11 dBi
Vertical beamwidth	5°
Rated wind velocity	125 mph (56 M/sec)
Electrical downtilt	1.5°
Weight	1.1 lbs (0.5 kg)
Dimensions (L +/- 1.0 in)	31 in (787 mm)
Diameter	0.8 in (20 mm)
Wind loading - 100 mph	8.75 lbs
Wind loading - 125 mph	13.7 lbs



11 dBi with electrical downtilt
Elevation

SYSTEM ORDERING

OD49-11D1 11 dBi 4940 - 4990 Mhz omnidirectional with 1.5° electrical downtilt

global solutions: local support™

Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

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