

2.4 GHz CIRCULAR POLARIZED HIGH-GAIN ANTENNA

The Circular Polarized (CP) antenna systems offered by Laird Technologies are constructed of an aluminum alloy backplate with UV protected plastic radome. The antenna is right hand circular polarized (RHCP) to communicate with a wide variety of popular circularly polarized base station antennas available on the market. Because of the antenna's high gain, it is also useful as a point to point antenna. Circular polarization is effective in minimizing multipath and also has been proven effective at improving signal through obstructions such as trees.

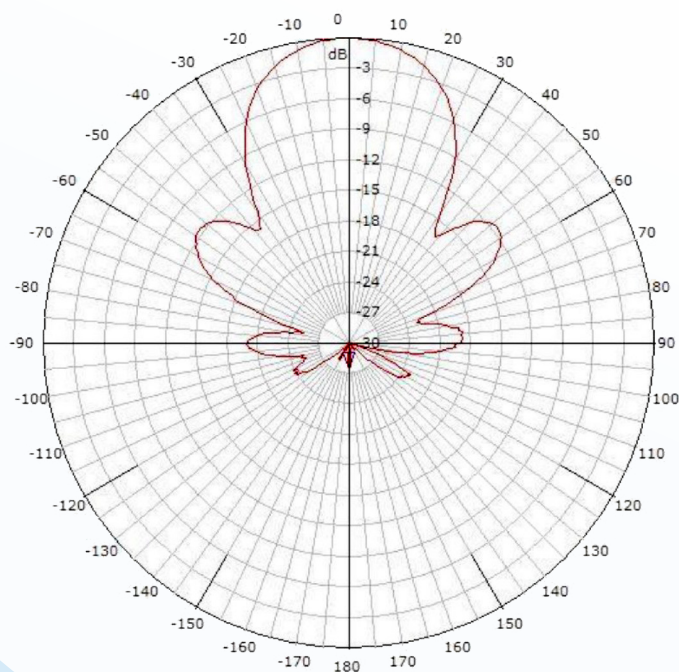
FEATURES

- High-gain
- RH circular polarization
- Adjustable tilt stainless steel bracket
- Type N female connector
- DC grounded for lightning protection
- Rugged, lightweight, and waterproof

MARKETS

- 802.11b/g applications
- CP point to point links
- Client antennas
- Building to building high speed links
- WiMAX

ANTENNA PATTERNS



2.442 GHz

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Circular Polarized Antenna

CP24-12

SPECIFICATIONS

PARAMETER	
Frequency range	2400-2485 MHz
Gain	12 dBi
Polarization	Circular (RHCP)
VSWR	1.5:1
3dB beamwidth	37°
Front to back	20 dB
Axial ratio	2 dB
Impedance	50 ohm
Input power	100 watts
Pole diameter (OD)	1 to 2 in (25 to 50 mm)
Operating temperature	-40° to +70°C
Rated wind velocity	125 mph
Weight	1.1 lbs (0.5 kg)
Dimension (length x diameter)	8.5 x 8 in (216 x 203 mm)

WIND LOADING (LBS.)

MODEL	SQ. IN	100 MPH	125 MPH	100 MPH WITH ½ IN RADIAL ICE
CP24-12	56	14 lbs	22 lbs	14 lbs

SYSTEM ORDERING

CP24-12 12 dBi 2400 MHz to 2485 MHz circular polarized antenna

NOTES

- All shipments F.O.B. Schaumburg, IL 60173

ANT-DS-CP24-12 0611

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