

### 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.

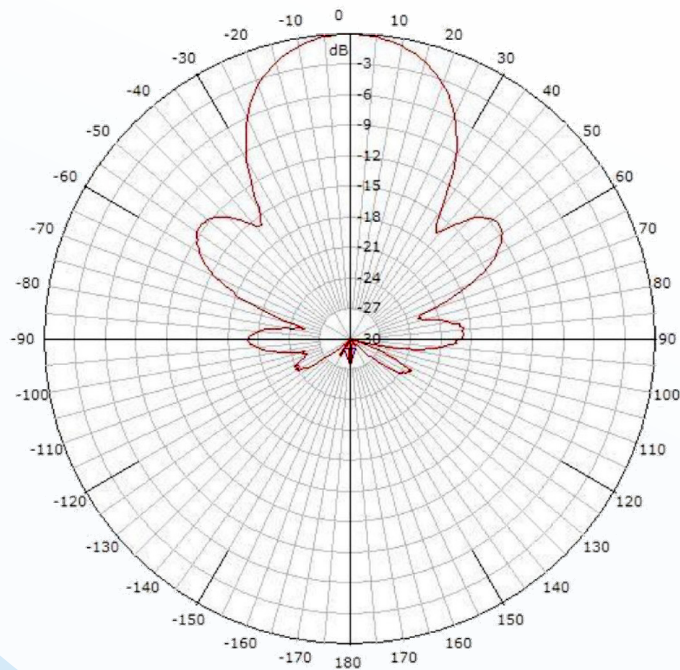
#### FEATURES

- 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

#### ANTENNA PATTERNS



2.442 GHz

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### SPECIFICATIONS

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

### WIND LOADING (LBS.)

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

### SYSTEM ORDERING

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

### NOTES

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

ANT-DS-CP24-12 0909

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