

cnRanger

90 Sector Antenna



The cnRanger™ Fixed LTE wireless platform from Cambium Networks substantially increases range and coverage, while reducing the cost and complexity typically associated with LTE networks.

- Optimized coverage for fixed wireless deployment
- Innovative antenna design
- Simplified design to attach RRH

SPECIFICATIONS

ANTENNA

Name	2.3 -2.7 GHz LTE 90 Degree Sector antenna
Model #	2LTE-ANT-90
Frequency Range	2300 MHz to 2700 MHz
Gain	16 dBi
VSWR	2:1 max
3 dB Beamwidth - Azimuth	90°
6 dB Beamwidth - Azimuth	120°
3 dB Beamwidth - Elevation	7°
Pattern Roll Off at Sector Edge	12 dB
Electrical Downtilt	-2°
Polarization	Slant, +/- 45 Degrees
Front-to-Back Isolation	>25 dB
Cross Polarization	>16 dB
Port-to-Port Isolation	> 20 dB
Maximum Input Power	5 W
Input Impedance	50 Ohms
Mounting Connectors	N Type
Mounting Hardware	Included for mounting to mast diameters 2" to 4.5" (5.1 cm to 11.4 cm), -10° to 5° tilt. RRH mounts directly to the rear of the antenna

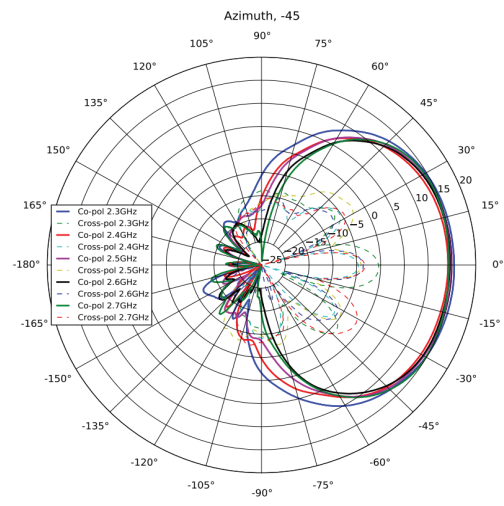
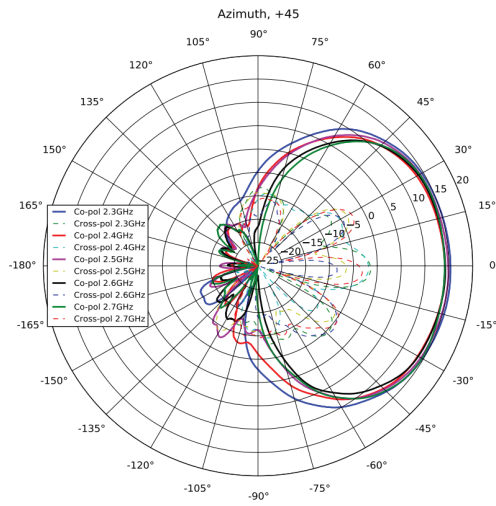
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Physical Dimensions	42.2" (H) x 10.7" (W) x 4.4" (D) (1072 mm x 272 mm x 113 mm)
Weight	17 Kg with RRH and mounting equipment
Environmental	IP66
Radome Material	UV Stabilized
Operating Temperature	-40°C to +85°C
Rated Wind Velocity	180 Km/Hr

ANTENNA PATTERNS

2 GHz Azimuth



2 GHz Elevation

