



Laird Connectivity's OC35506P is a Low PIM omnidirectional, collinear antenna especially designed to complement interior or exterior mounted wireless networks operating over the CBRS band 3550-3700 MHz. An integrated RF connector is embedded in the antenna base cap for direct AP mounting. It comes complete with mast mounting hardware and includes a UV-stable radome enclosure that provides years of use without degradation to either mechanical properties or aesthetics.

FEATURES AND BENEFITS

- Applicable for CBRS solutions
- Indoor/outdoor usage
- Weatherproof UV stable radome
- Direct to radio or mast/pole mounting
- Mast mounting hardware included
- Low PIM rated with an IP67 Ingress Protection rating.
- Conformance to RoHS

ELECTRICAL SPECIFICATIONS

Antenna Model	OC35506P
Number of Ports	1
Operating Frequency (MHz)	3550-3700
VSWR, Avg.	1.4:1
VSWR, Max.	1.5:1
Peak Gain, Avg. (dBi)	6.1
Peak Gain, Max. (dBi)	6.8
Passive Intermodulation @ 2 x 10 Watt (dBc)	< -150
Azimuth 3 dB Beamwidth	360°
Nominal Impedance (Ohms)	50
Polarization	Linear, Vertical
Max Power/port- Ambient 25°C (W)	360°

MECHANICAL SPECIFICATIONS

Dimensions – diameter x height – mm (inches)	25.4 x 257 (1.0 x 10.0)
Weight – kg (lbs.)	0.12 (0.27)
Radome Material	PC, UL94 V-0, UV Stable

ENVIRONMENTAL SPECIFICATIONS

Operating Environment (Indoor or Outdoor)	Indoor and Outdoor
Operating Temperature – °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)
Wind Rating (*) Operational, kph (mph)	193 (120)
Wind Rating (*) Survival, kph (mph)	219 (136)
Ingress Protection	IP67
Material Substance Compliance	RoHS Compliant

* Based on static load by wind at maximum velocity

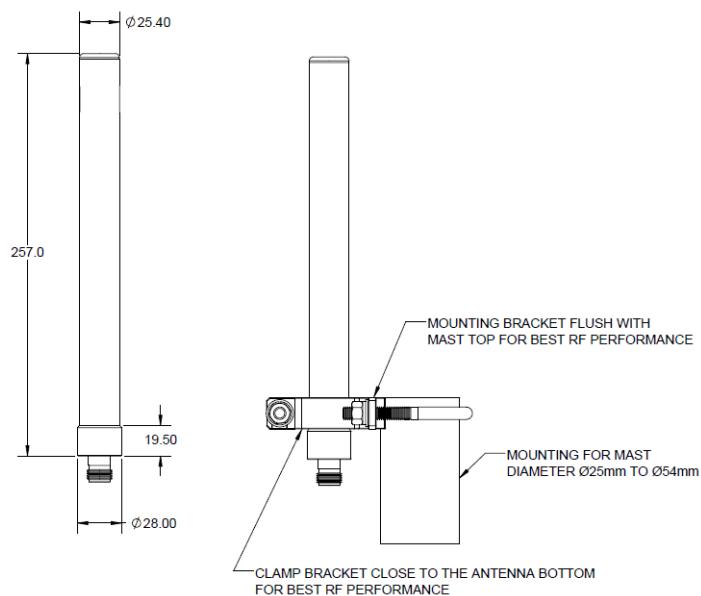
CONFIGURATION

PART NUMBER	CONNECTOR
OC35506P-FNF	Type N female

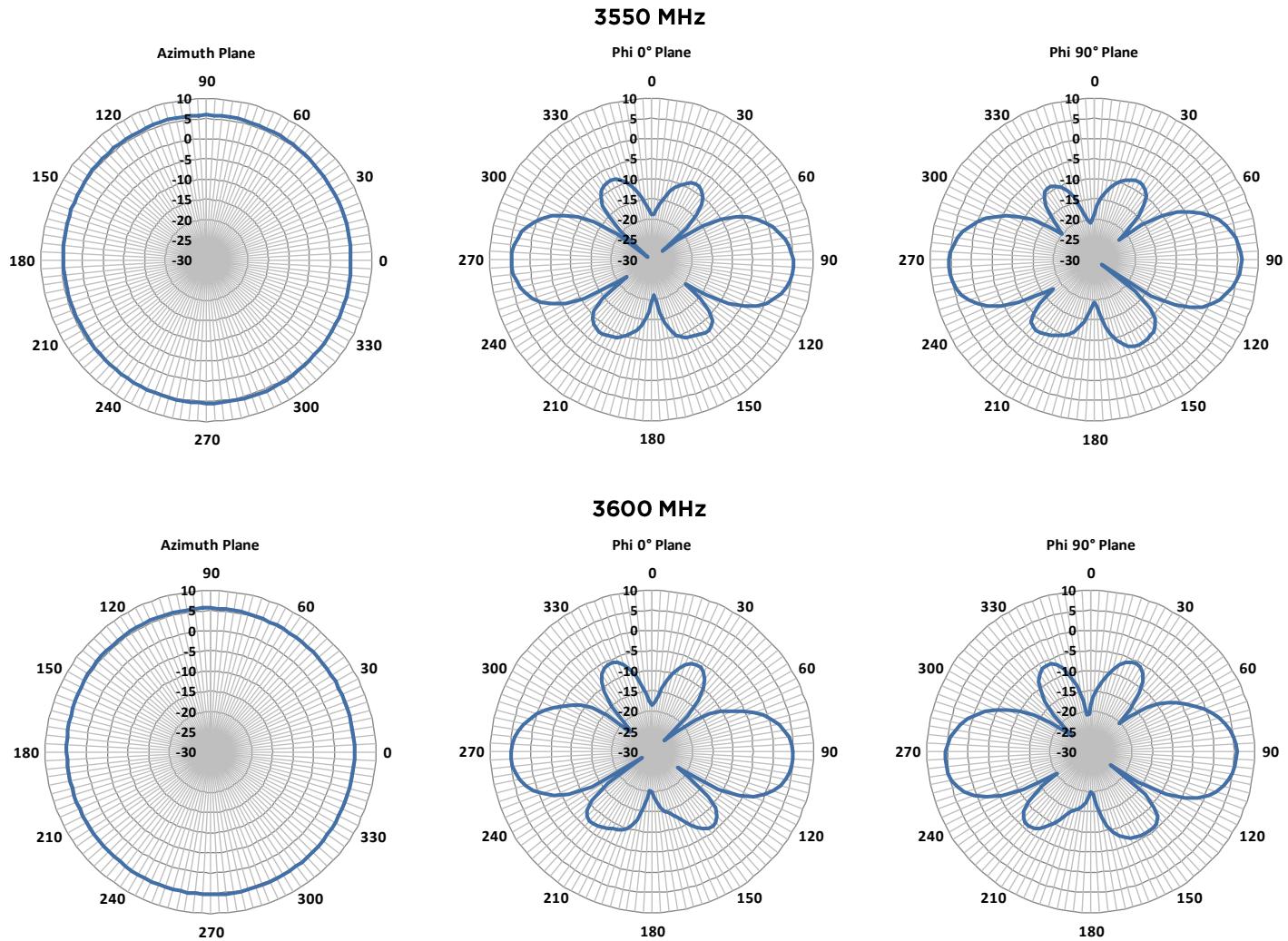
PACKAGING INFORMATION

PACKAGED DIMENSIONS	CARTON	MASTER CARTON	AIR PALLET	OCEAN PALLET
Number of Antennas	1	77	462	616
Height- cm (in.)	3.4 (1.3)	42.2 (16.6)	141 (55.5)	183 (72.1)
Length- cm (in.)	43.5 (17.1)	74.4 (29.3)	120 (47.3)	120 (47.3)
Width- cm (in.)	10.2 (4.02)	44.7 (17.6)	80 (32)	80 (32)
Shipping Weight - kg (lb.)	0.64 (1.4)	50.2 (111)	313 (691)	414 (912)

MECHANICAL DRAWING

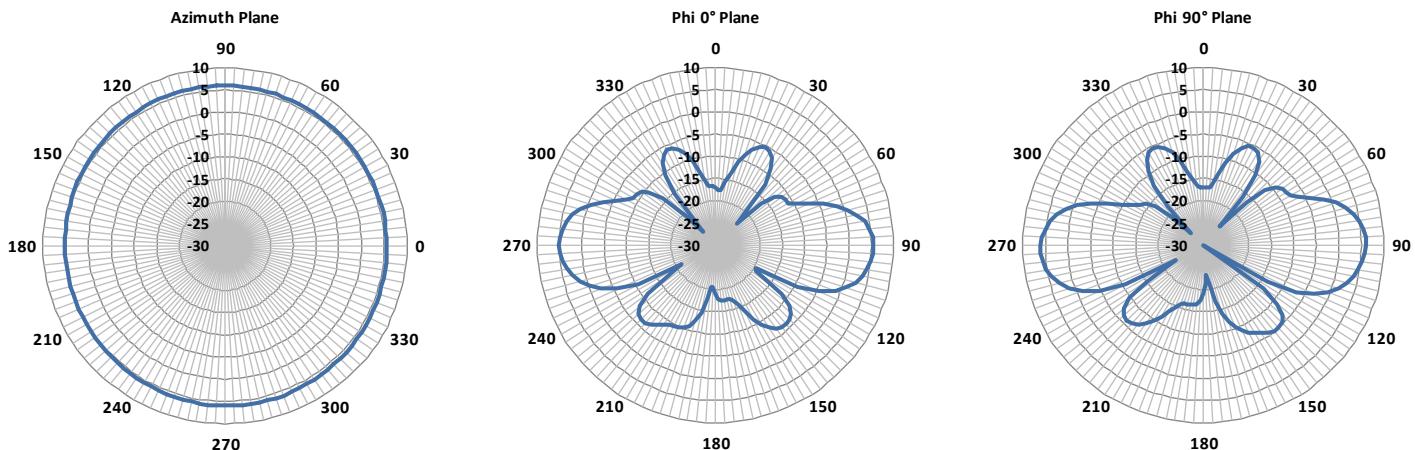


RADIATION PATTERNS

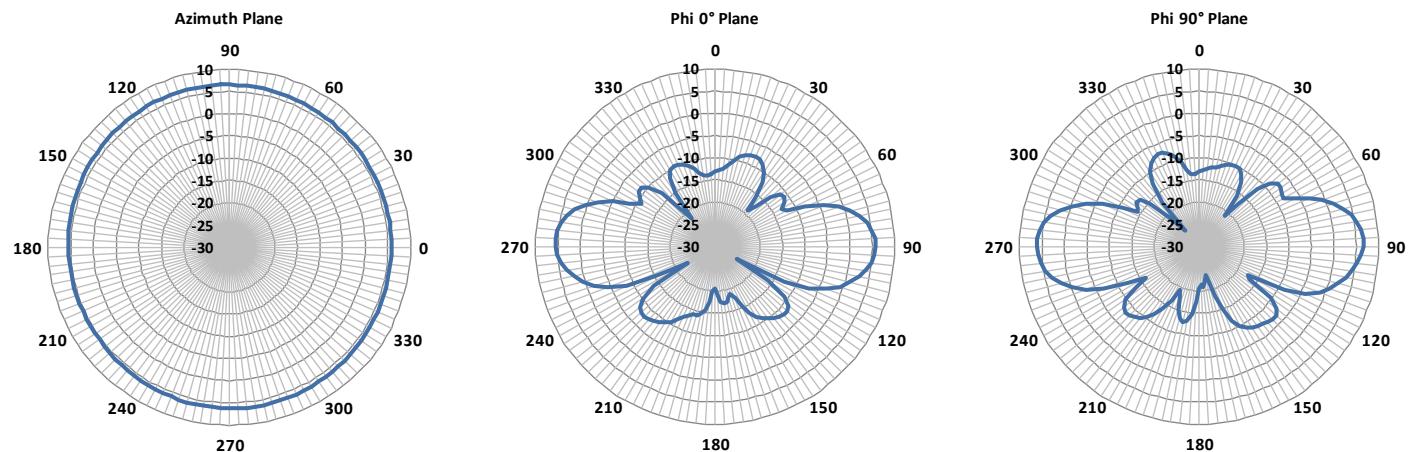


RADIATION PATTERNS

3650 MHz



3700 MHz



RoHS

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

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