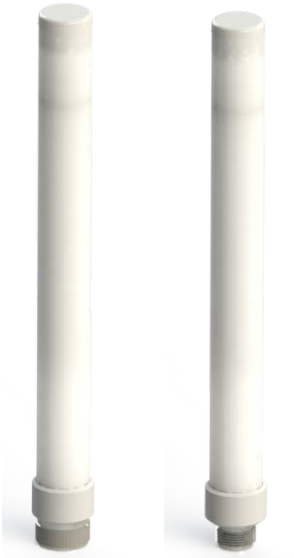
Laird

Smart Technology. Delivered.

VERTICALLY POLARIZED BROADBAND OMNI ANTENNAS

OC58509



5850-6000 MHz VERTICALLY POLARIZED OMNIDIRECTIONAL ANTENNA

The Laird OC58509 broadband omnidirectional antenna has a UV-stable fiberglass radome and is IP67 rated for dust and water intrusion providing excellent durability, reliability and performance. The OC58509 is availbale with either Fixed N-male or Fixed N-female bulkhead connector. The vertical pattern is a full 360 degrees with 9 dBi gain to improve high-speed broadband system performance in a highly rugged and durable package for both indoor and outdoor applications.

FEATURES RoHS

- 9.3 dBi antenna gain.
- Type N female, or Type N male w/integrated bulkhead connector.
- IP67 Rated, lightweight design for inddoor & outdoor use.
- UV Stable polycarbonate radome.
- All stainless steel bracket for better corrosion protection.
- Performance engineered for optimum high speed broadband performance.

MARKETS - APPLICATIONS

- Wireless broadband systems
- DSRC (Dedicated Short Range Communications)
- ITS (Intelligent Transportation Systems)
- Point-to-multi-point systems
- WLAN access points

PARAMETER	SPECIFICATIONS
Model	OC58509
Frequency Bands, MHz	5850-6000 MHz
Peak Gain, dBi (Typ)	9.1 dBi
Peak Gain, dBi (Max)	9.3 dBi
VSWR, Max	<2.0:1
Nominal Impedance	50Ω
Polarization	Vertical
Azimuth 3 dB Beamwidth	360°
Azimuth 3 dB Beamwidth	12°
Max Power (Ambient 25°)	25 Watts
Antenna Dimension (H X Dia)	322.3 x 21.2 mm (12.7" x 0.83")
Weight	107 g (0.24 lbs) w/o Mounting Kit
Antenna Color	White
Radome	Polycarbonate, UV
Wind Operational	193 km/h (120 mph)
Wind Survival	220 km/h (136 mph)
Operating Temperature	-30° to + 70°C (-22° to + 158°F)
Storage Temperature	-40° to + 85°C (-40° to + 185°F)
Ingression Protection	IP67
Material Substance Compliance	RoHS

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
OC58509-FNF	NA	Fixed N-female
OC58509-FNM	NA	Fixed N-male

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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 by reason 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.

5 YEAR WARRANTY

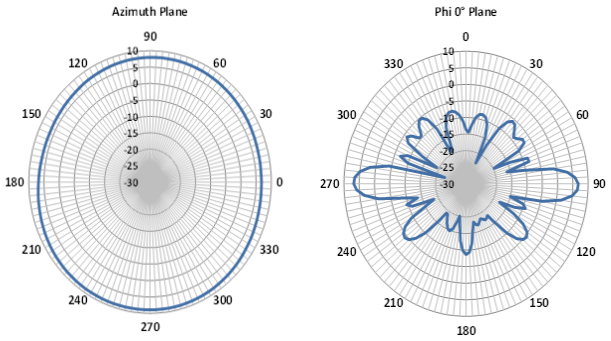
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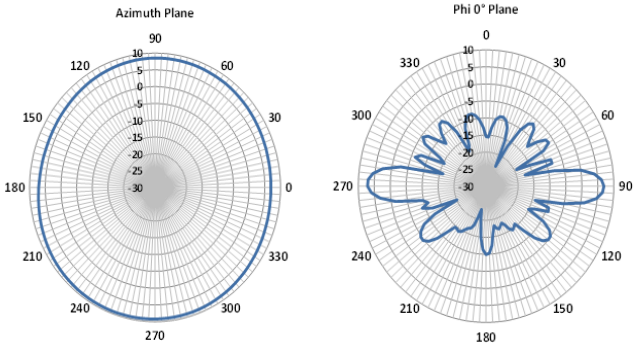
OC58509

RADIATION PATTERNS

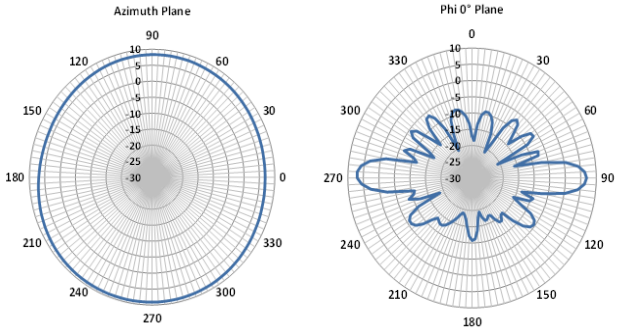
5850 MHz



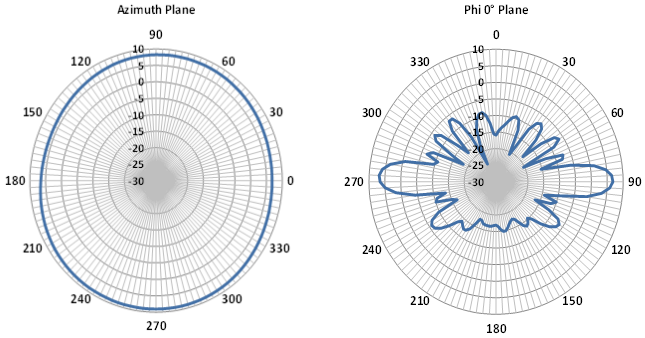
5900 MHz



5950 MHz



6000 MHz



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