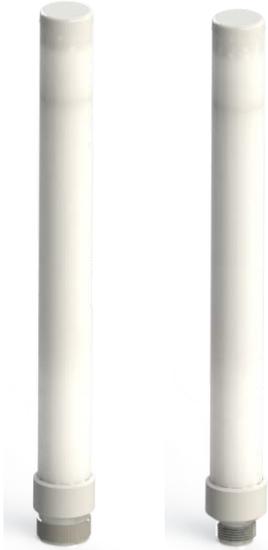


# VERTICALLY POLARIZED BROADBAND OMNI ANTENNAS

## 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 available 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

- 9.3 dBi antenna gain.
- Type N female, or Type N male w/integrated bulkhead connector.
- IP67 Rated, lightweight design for indoor & 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

Americas: +1.847.839.6925  
IAS-AmericasSales@lairdtech.com

Europe: +44.1628.858941  
IAS-EUSales@lairdtech.com

Asia:  
IAS-AsiaSales@lairdtech.com

Middle East and Africa: +44.1628.858941  
IAS-MEASales@lairdtech.com

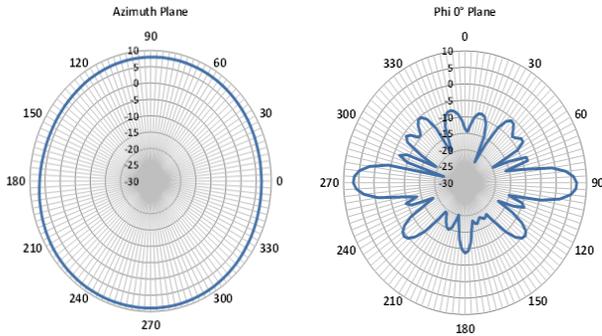
[www.lairdtech.com](http://www.lairdtech.com)

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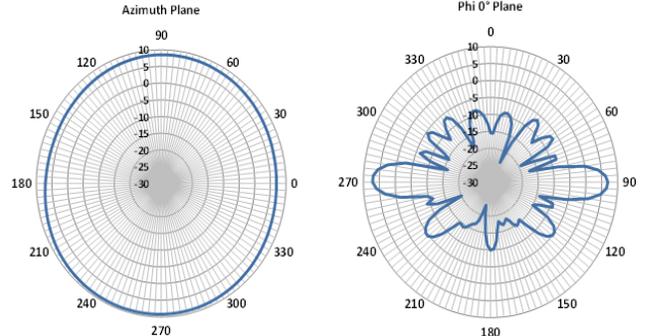


**RADIATION PATTERNS**

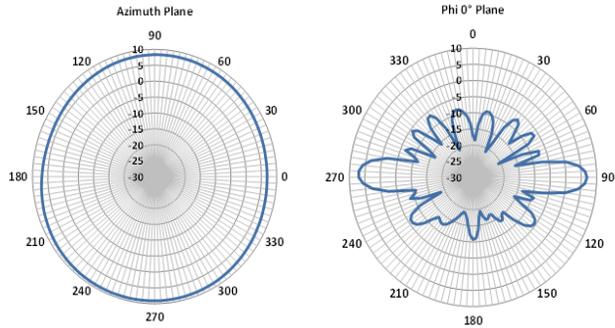
**5850 MHz**



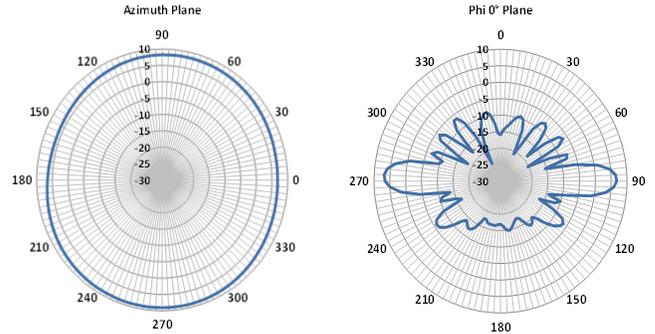
**5900 MHz**



**5950 MHz**



**6000 MHz**



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