



The OC69421 antenna is an expanded bandwidth omnidirectional antenna covering the global cellular bands including many mid-band sub-6GHz 5G and CBRS frequencies. It can be used in both indoor and outdoor applications. 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 4G, 5G and CBRS solutions
- Rugged Outdoor Construction
- Excellent Omni-Directional Patterns
- Wideband Operation 698 – 4200 MHz
- Weatherproof UV stable radome
- Mast mounting hardware included

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	698-960	1710-1990	1920-2170	2100-2500	2500-2690	3300-4200
VSWR	<2.5:1	<2.0:1				<2.5:1
Gain (dBi)	1.5	3.5				5.0
Efficiency (%)	76	87				81
Nominal Impedance (Ohms)				50		
Max Power - Ambient 25°C (W)				20		
Polarization	Linear, Vertical					
Vertical Plane 3 dB Beamwidth	81°	75° (1700-2200)				100°
Horizontal Plane 3 dB Beamwidth	360°, Omnidirectional					

MECHANICAL SPECIFICATIONS

Dimensions – diameter x height – mm (inches)	24.5 x 248 (1 x 9.8)
Weight – kg (lbs.)	.156 (.343)
Mount Style	Mast/pole mount
Radome Material	Polycarbonate, UV, White

ENVIRONMENTAL SPECIFICATIONS

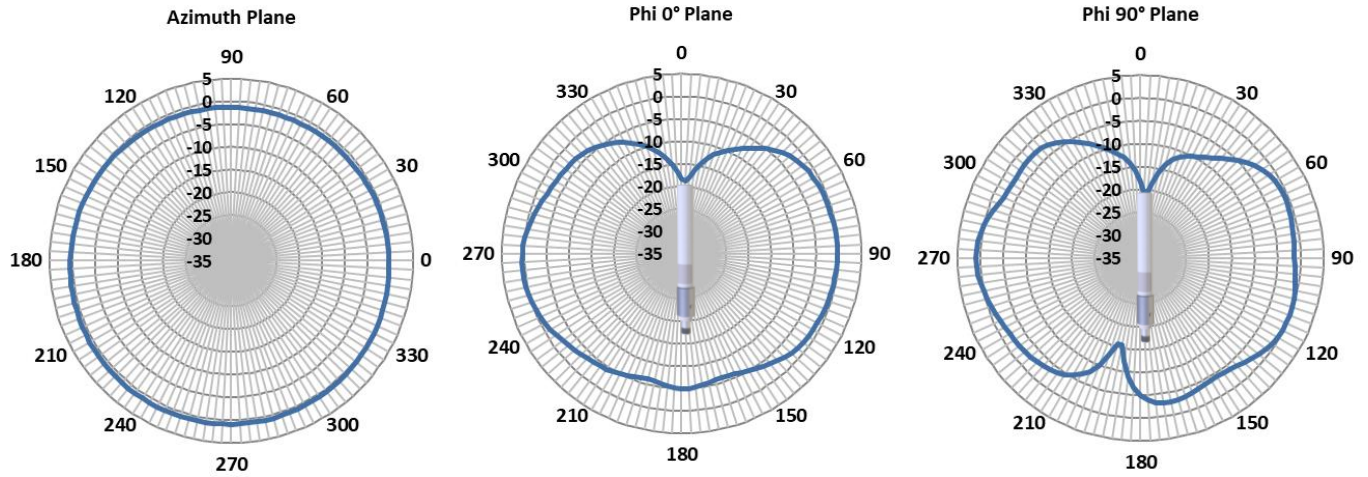
Operating Temperature – °C (°F)	-40 to + 70 (-40 to +158)
Storage Temperature – °C (°F)	-40 to +85 (-40 to +185)
Material Substance Compliance	RoHS
Relative Humidity – %	10-95

CONFIGURATION

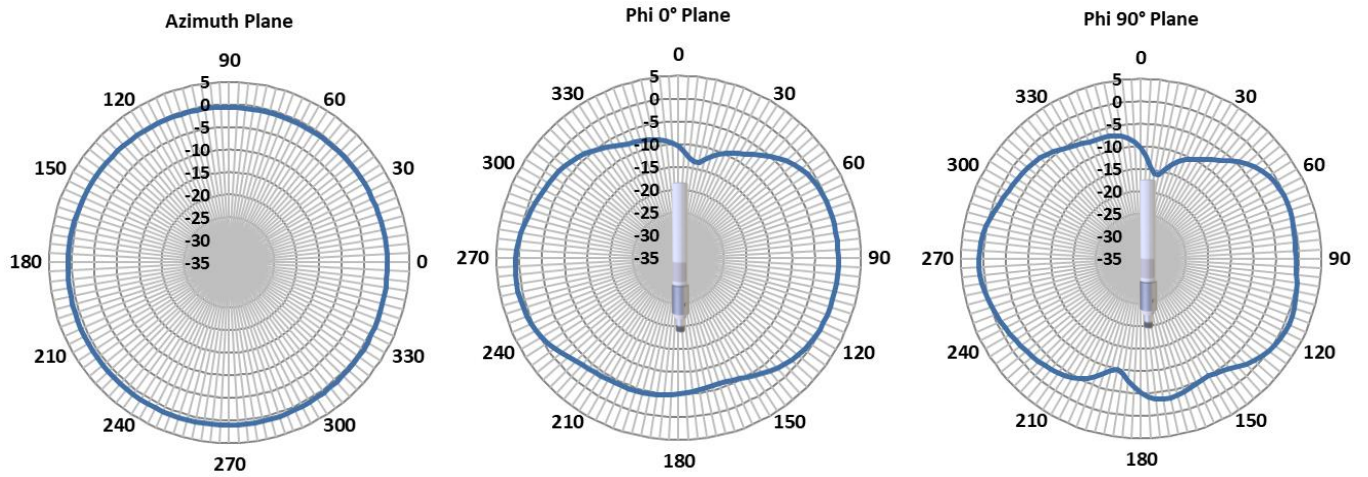
MODEL NUMBER	CONNECTOR
OC69421-FNM	Type N male
OC69421-FNF	Type N female

RADIATION PATTERNS

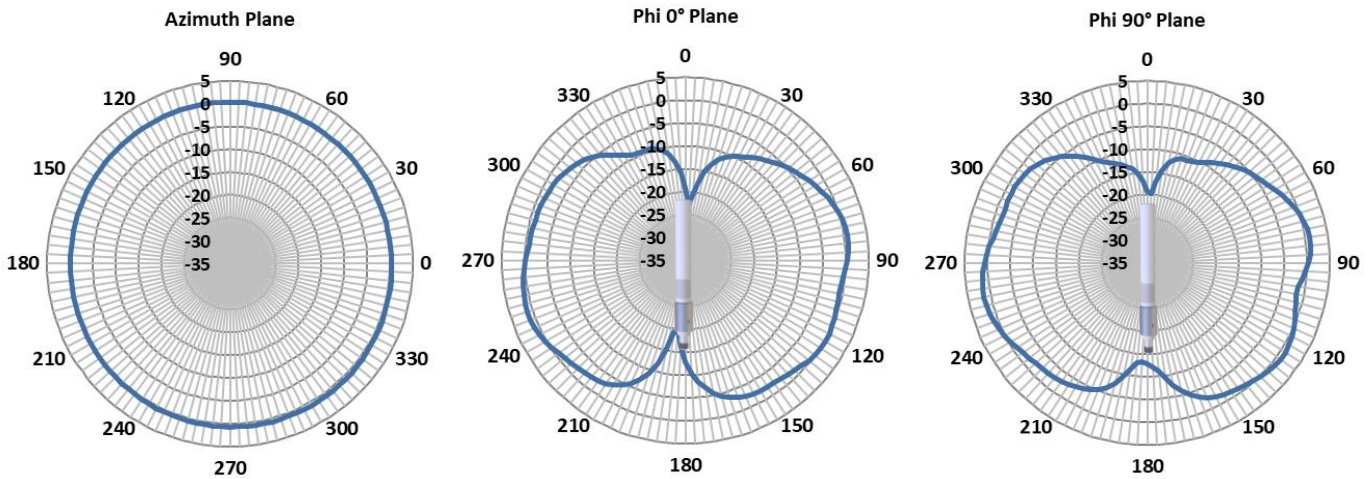
698 MHz



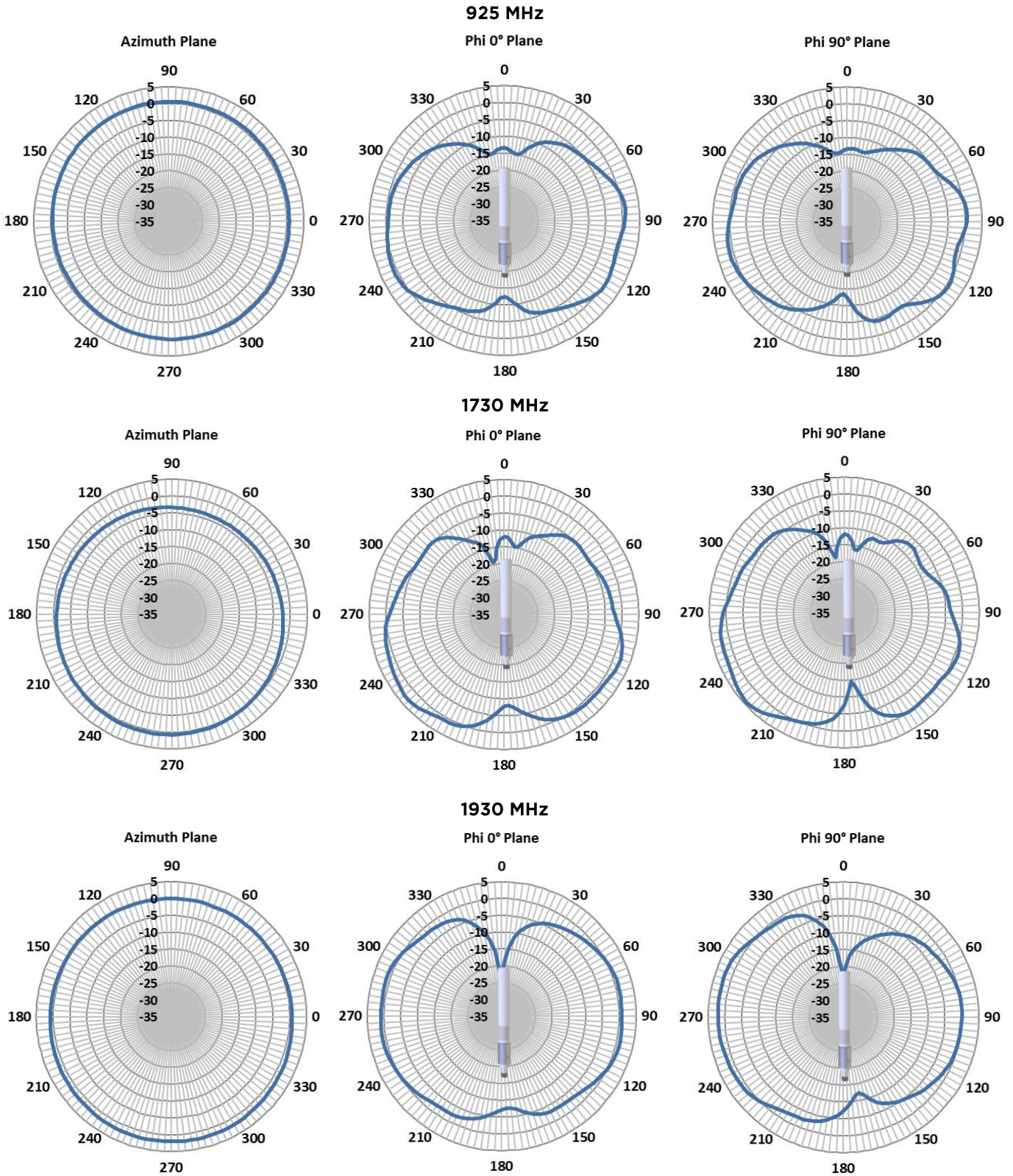
725 MHz



850 MHz

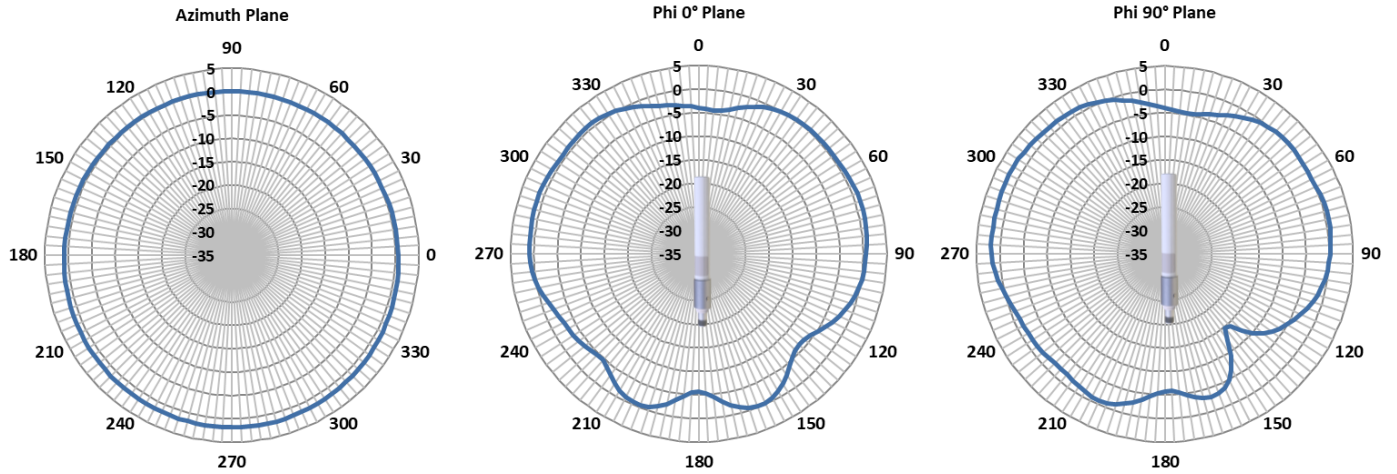


RADIATION PATTERNS

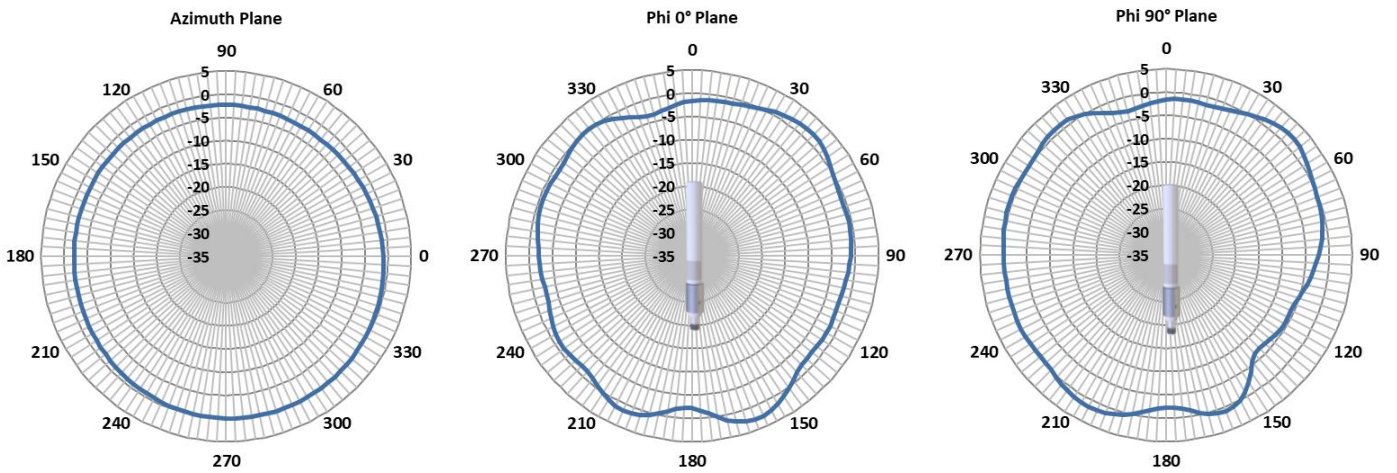


RADIATION PATTERNS

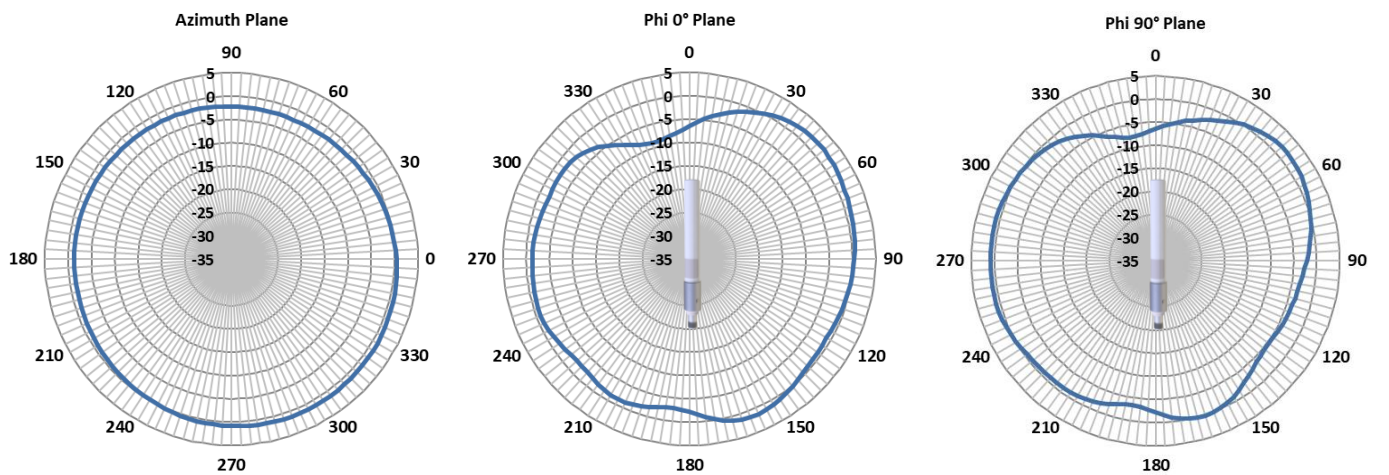
2140 MHz



2300 MHz

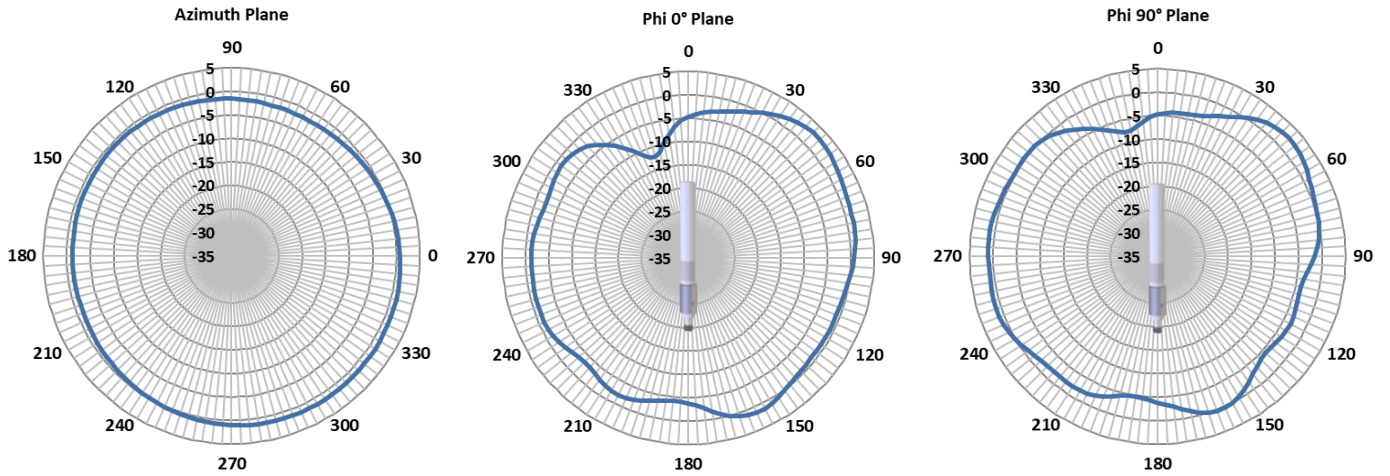


2457 MHz

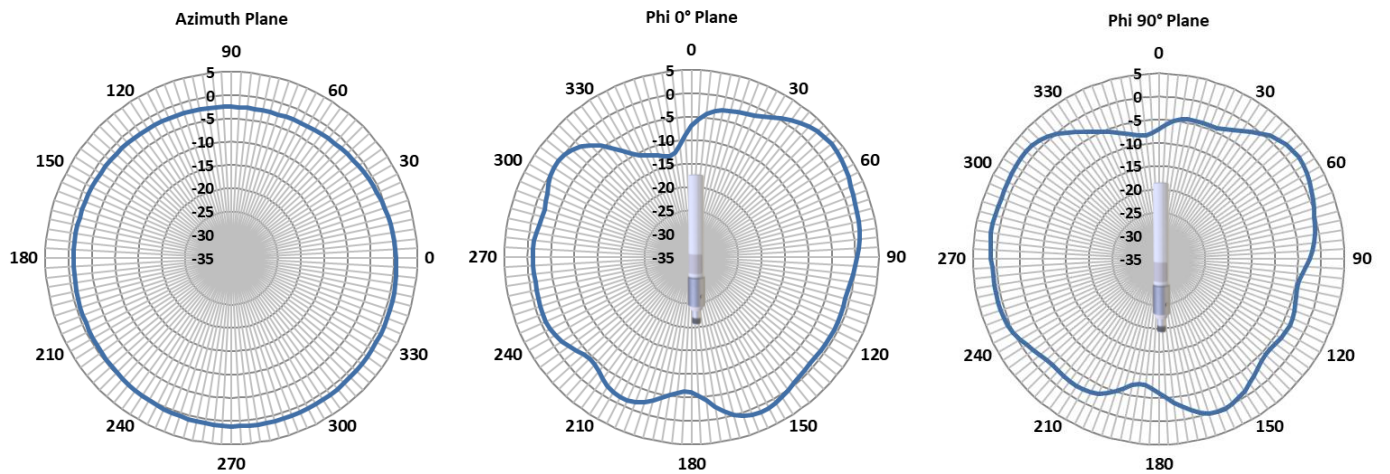


RADIATION PATTERNS

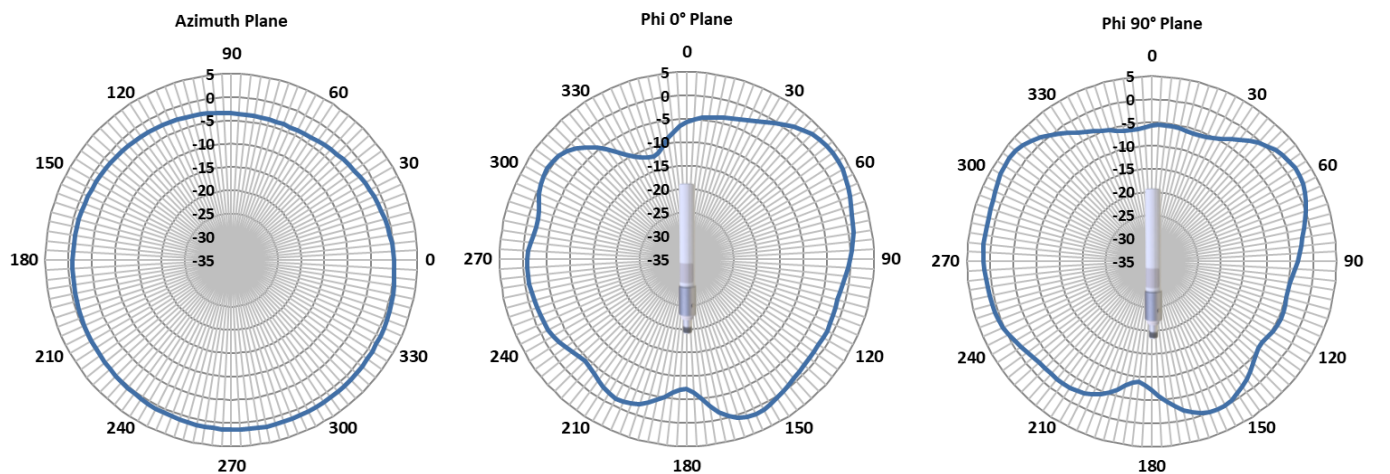
2510 MHz



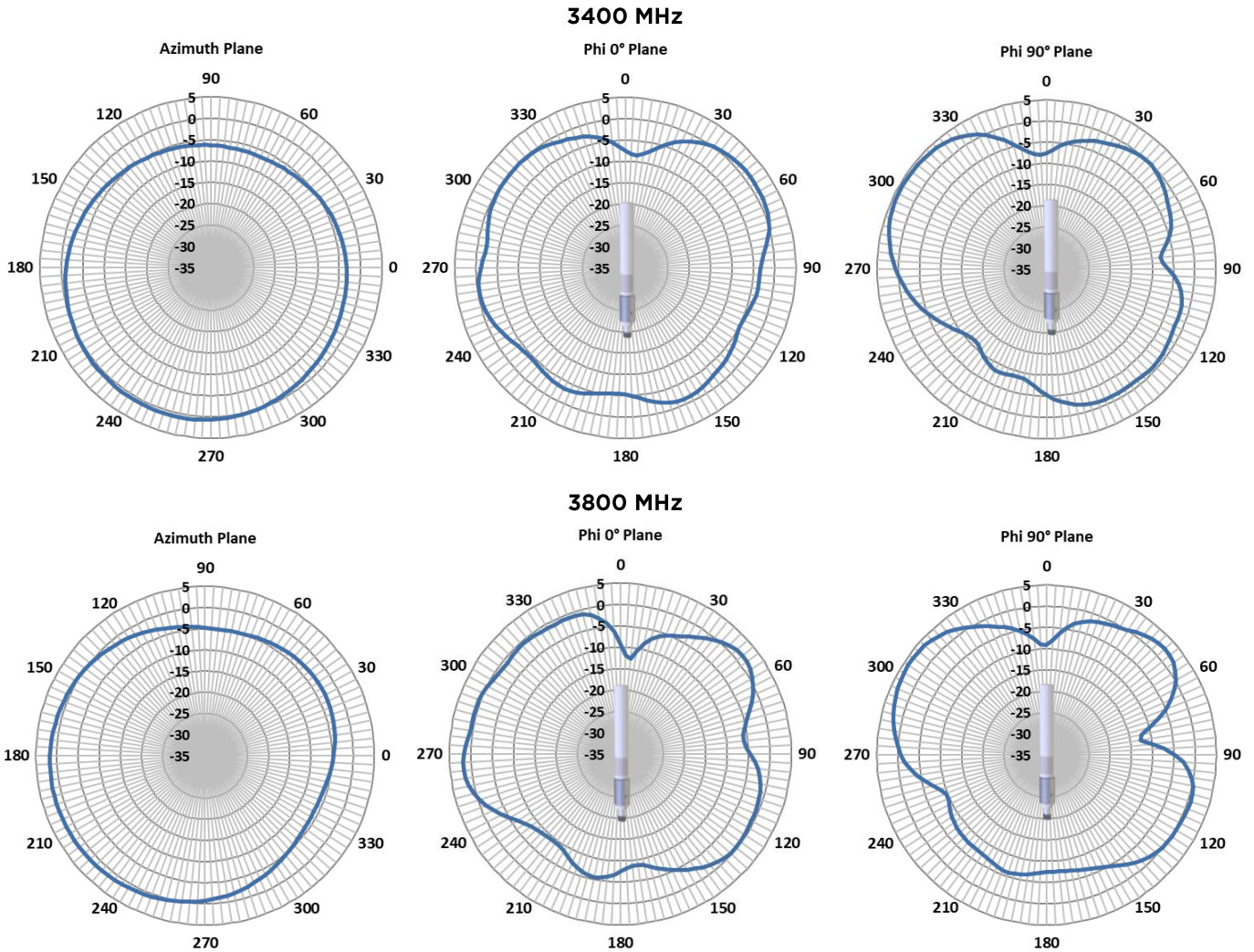
2600 MHz



2700 MHz



RADIATION PATTERNS



✓RoHS

Laird Connectivity 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 Connectivity 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 Connectivity 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.

Any information furnished by Laird Connectivity and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Connectivity materials rests with the end user, since Laird Connectivity and its agents cannot be aware of all potential uses. Laird Connectivity makes no warranties as to the fitness, merchantability or suitability of any Laird Connectivity materials or products for any specific or general uses. Laird Connectivity shall not be liable for incidental or consequential damages of any kind. All Laird Connectivity products are sold pursuant to the Laird Connectivity Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request.

© Copyright 2020 Laird Connectivity All Rights Reserved. Laird Connectivity, the Laird Connectivity logo, and other marks are trademarks or registered trademarks of Laird Connectivity or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Connectivity or any third party intellectual property rights.

