



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

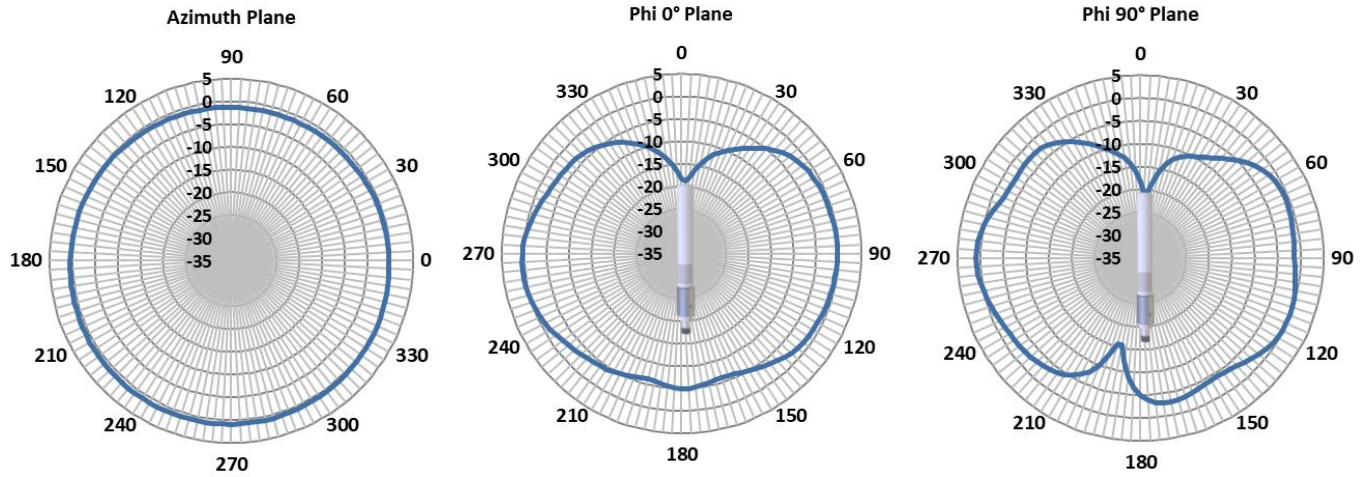
Operating Temperature – °C (°F)	-40 to + 70 (-40 to +158)
Storage Temperature – °C (°F)	-40 to +85 (-40 to +185)
Material Substance Compliance	RoHS
Relative Humidity – %	10-95

CONFIGURATION

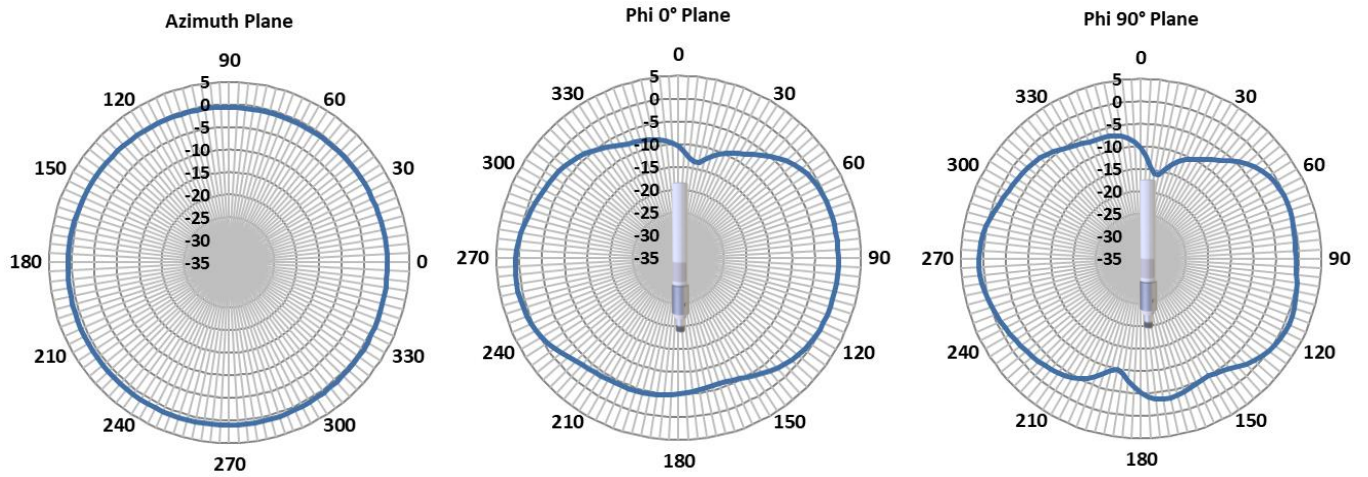
MODEL NUMBER	CONNECTOR
OC69421-FNM	Type N male
OC69421-FNF	Type N female

RADIATION PATTERNS

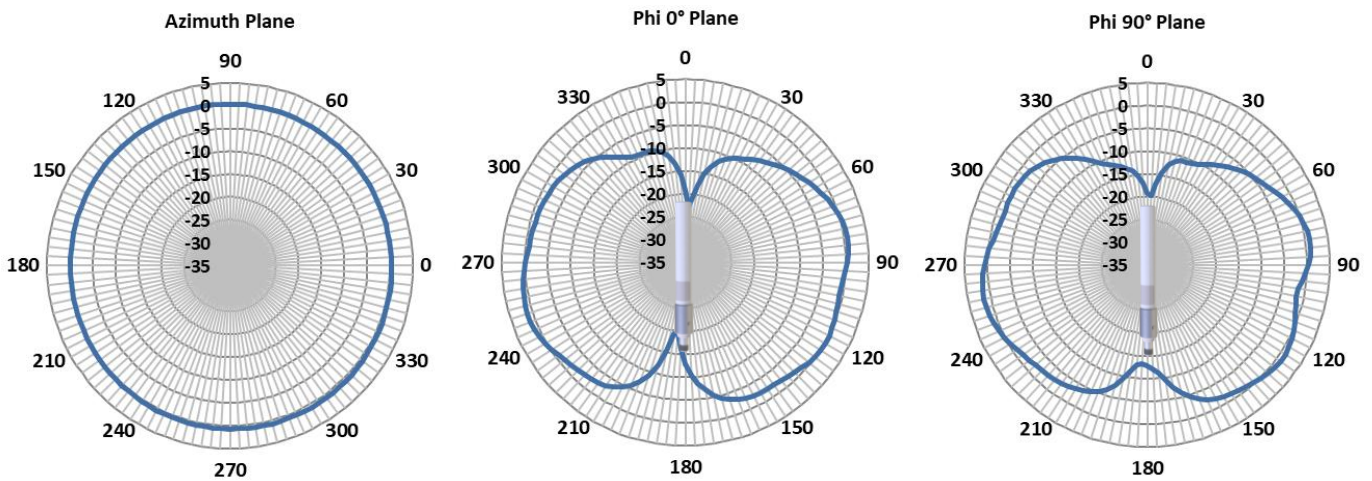
698 MHz



725 MHz

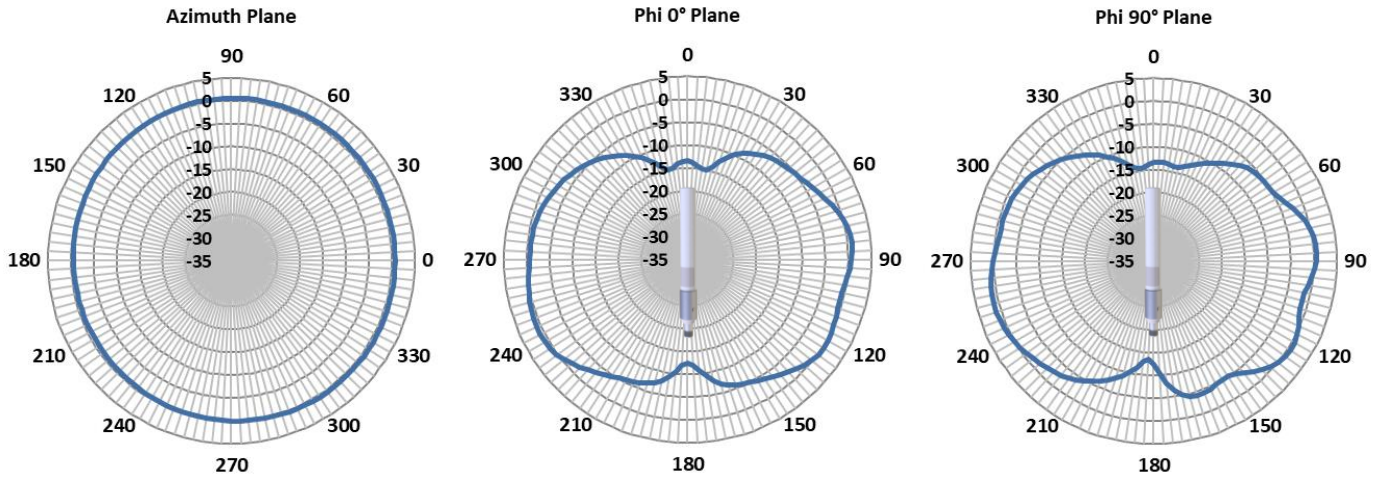


850 MHz

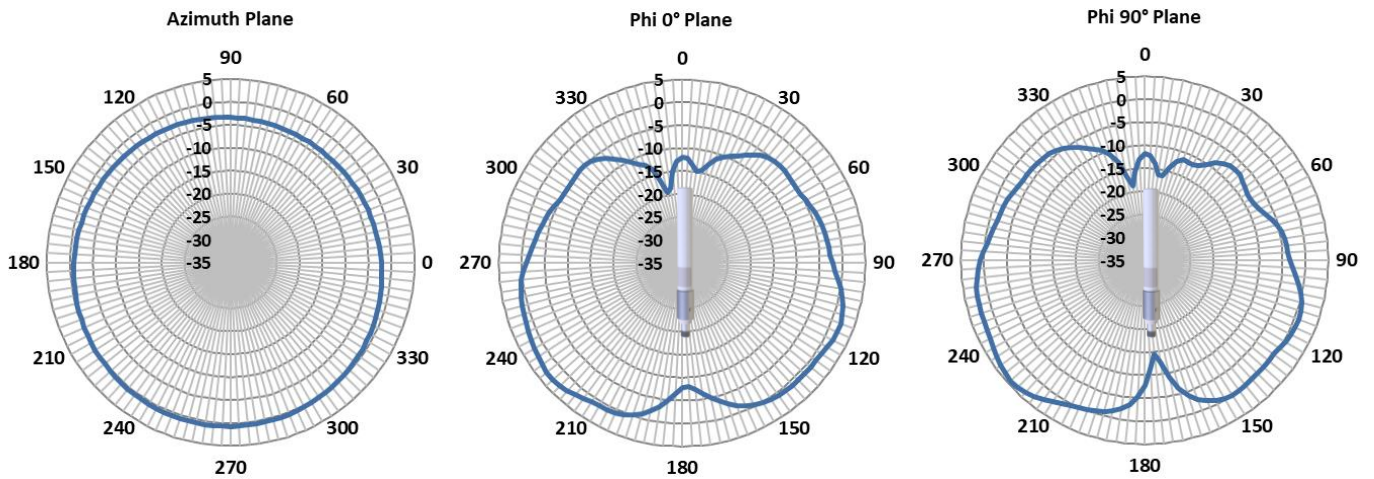


RADIATION PATTERNS

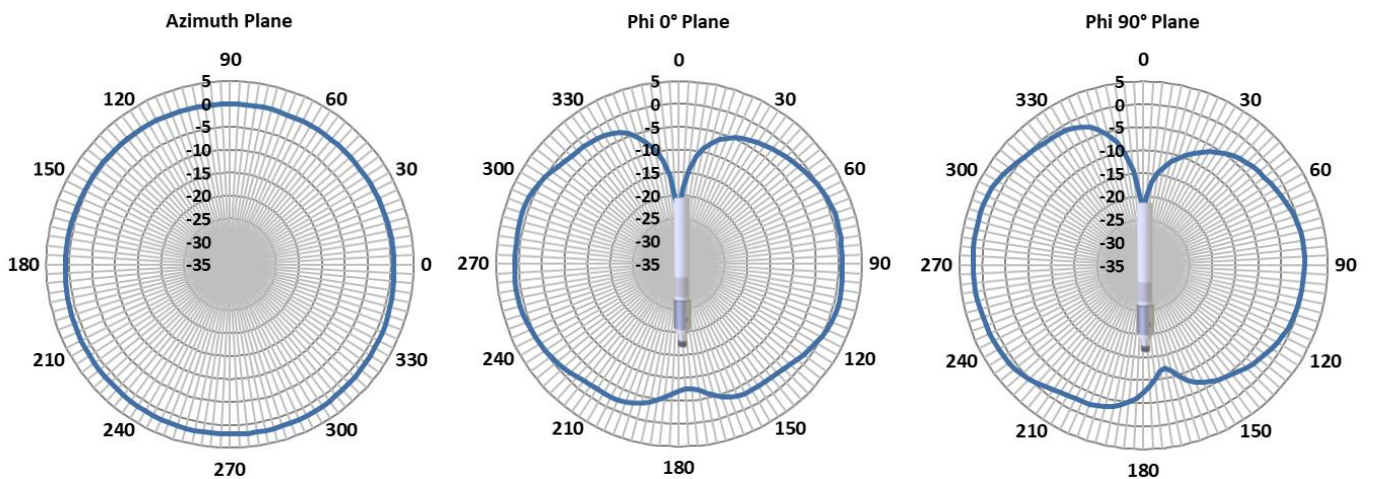
925 MHz



1730 MHz

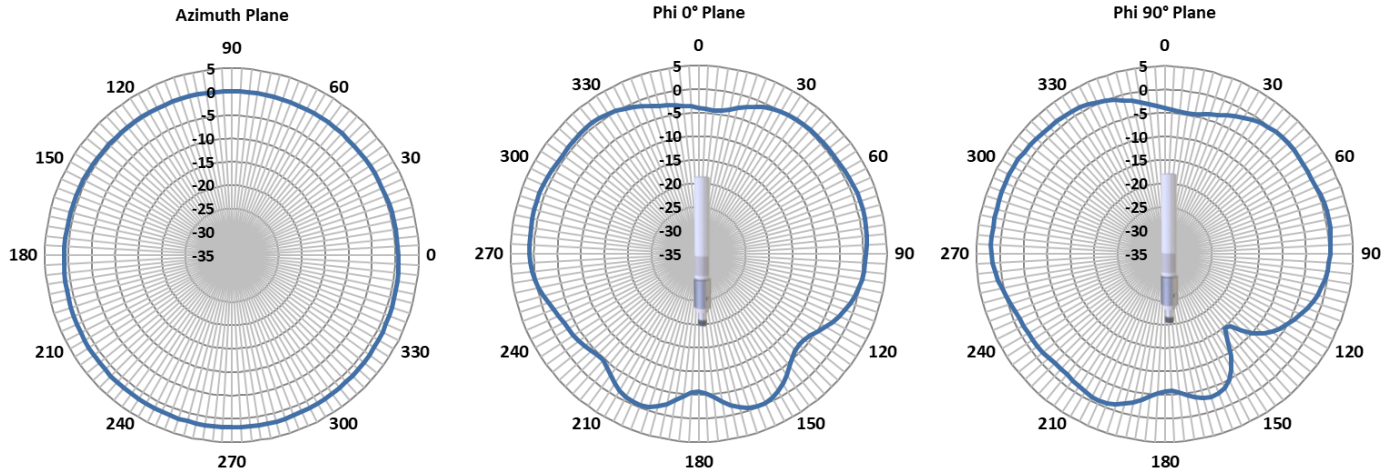


1930 MHz

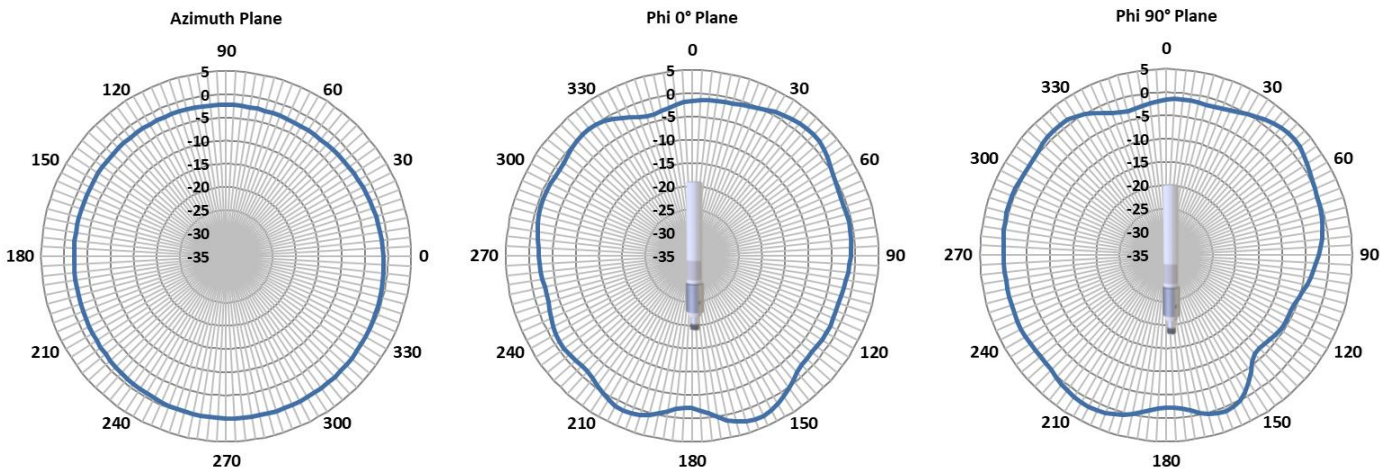


RADIATION PATTERNS

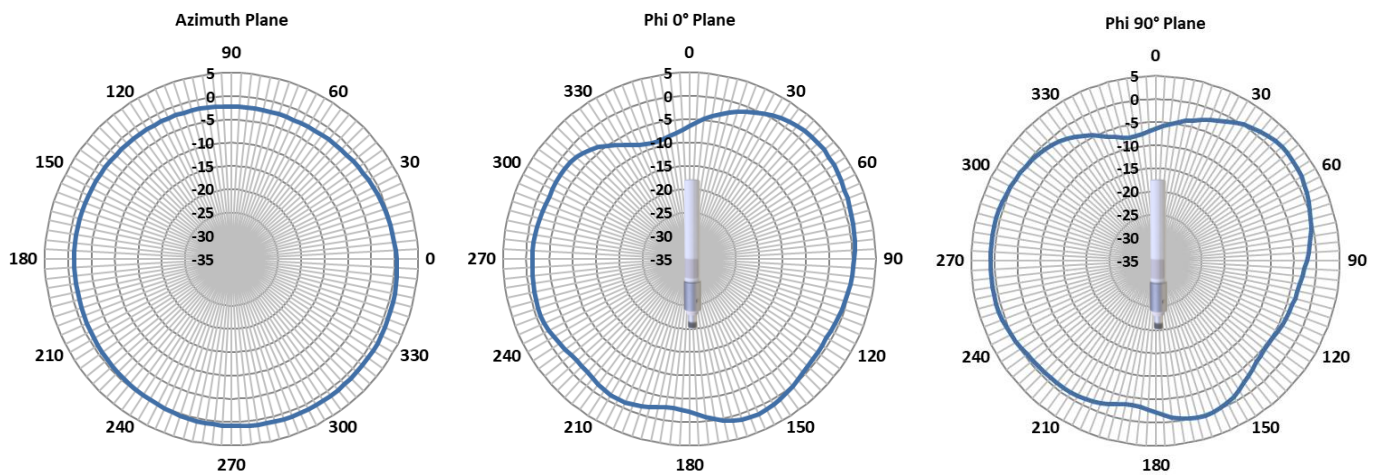
2140 MHz



2300 MHz

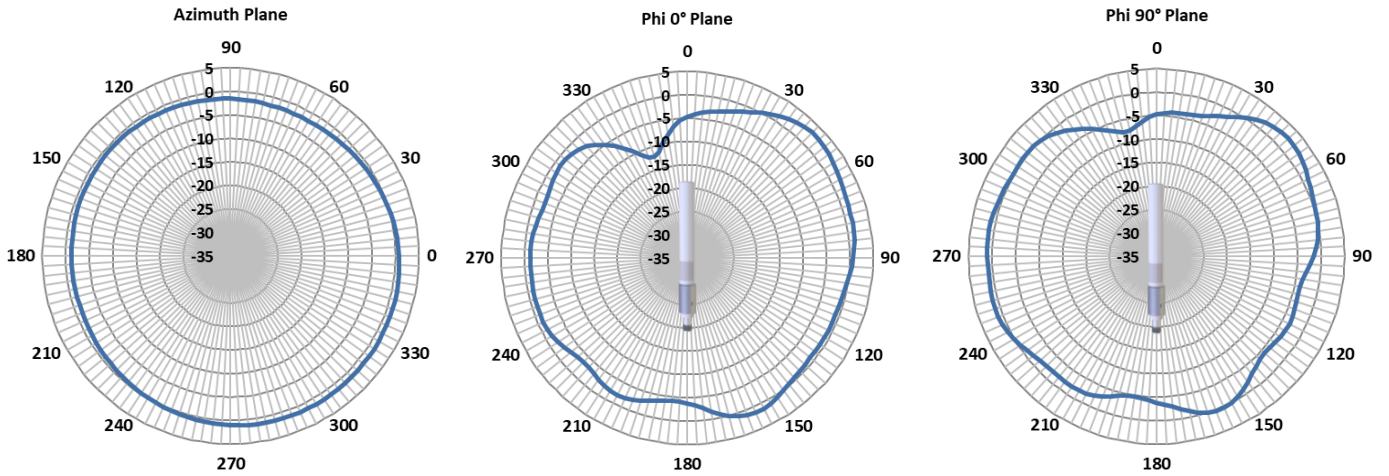


2457 MHz

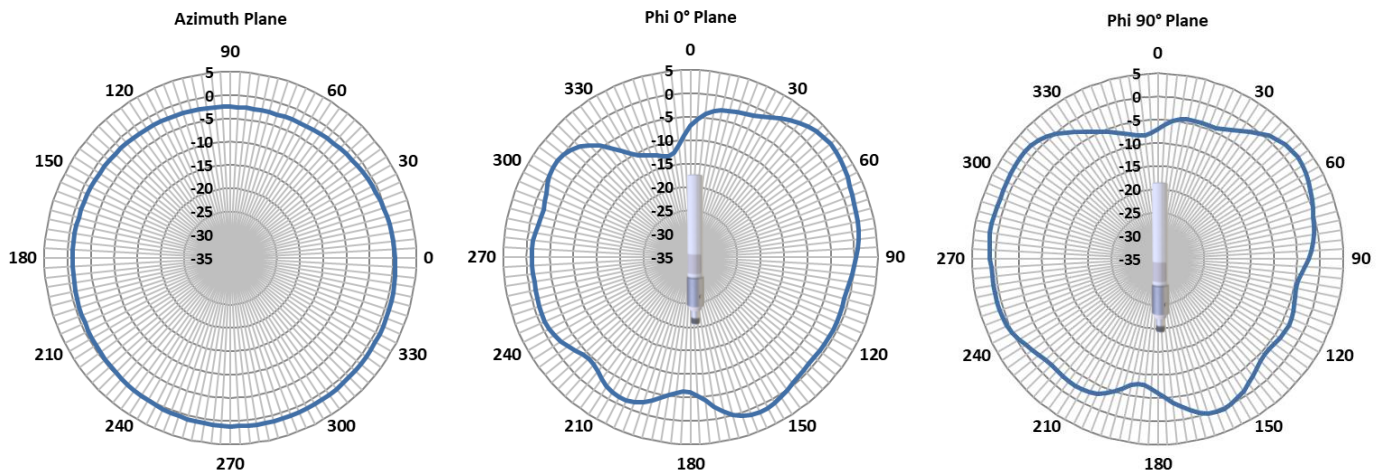


RADIATION PATTERNS

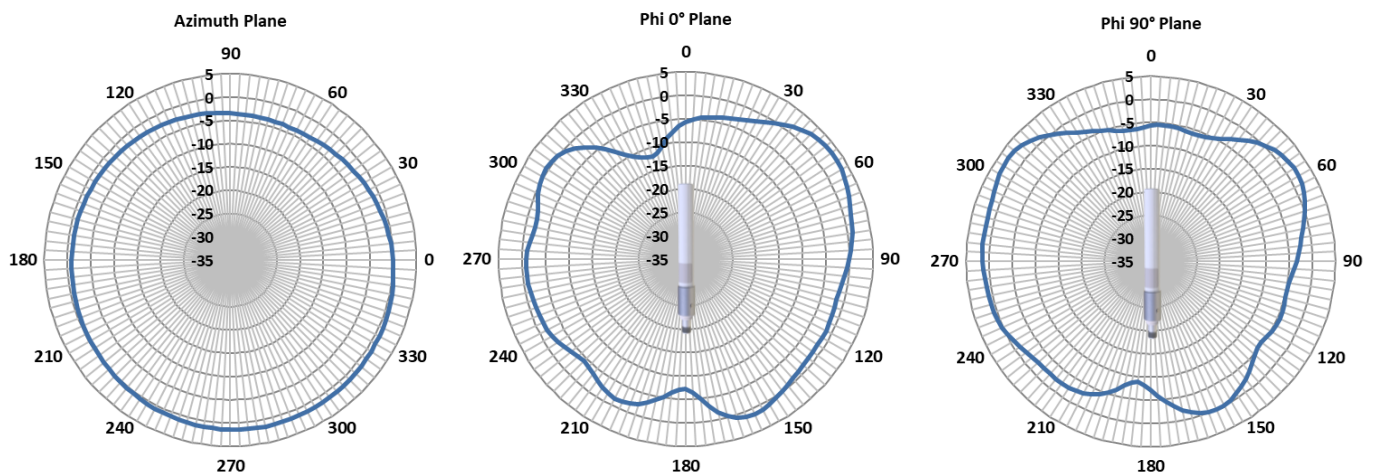
2510 MHz



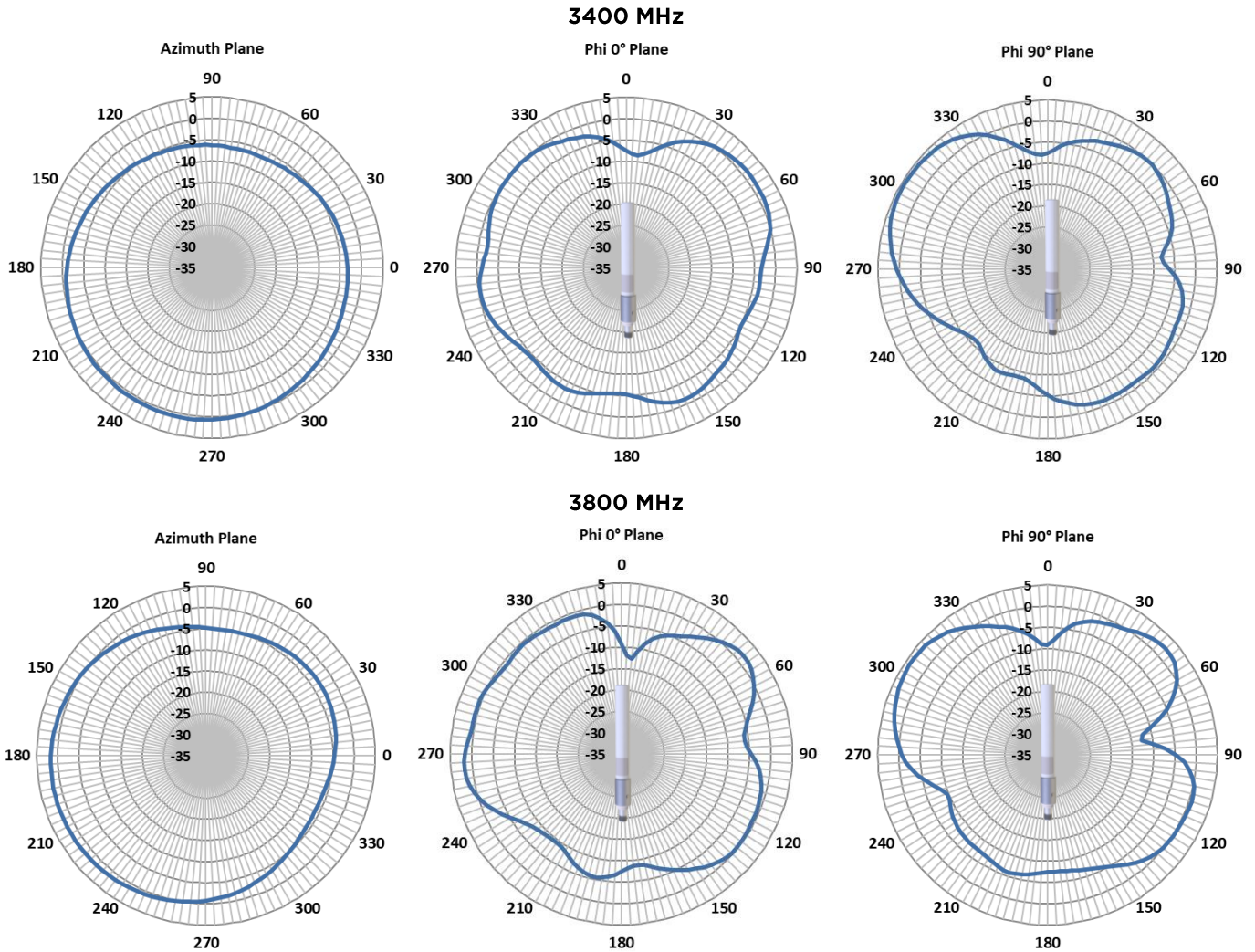
2600 MHz



2700 MHz



RADIATION PATTERNS



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