



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

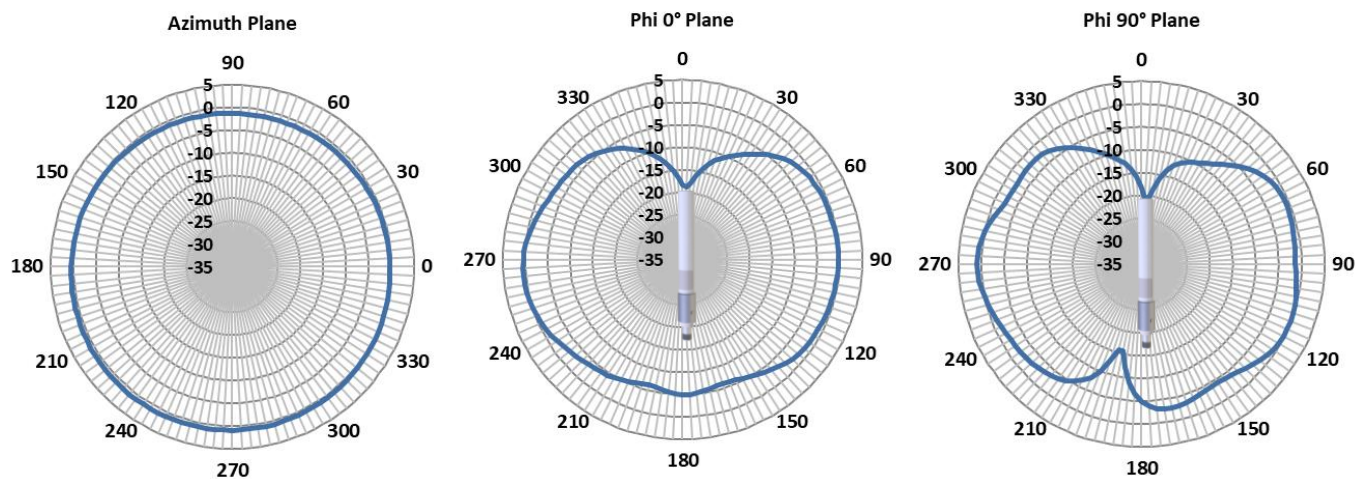
Operating Temperature – °C (°F)	-40 to + 70 (-40 to +158)
Storage Temperature – °C (°F)	-40 to +85 (-40 to +185)
Material Substance Compliance	RoHS
Relative Humidity – %	10-95

CONFIGURATION

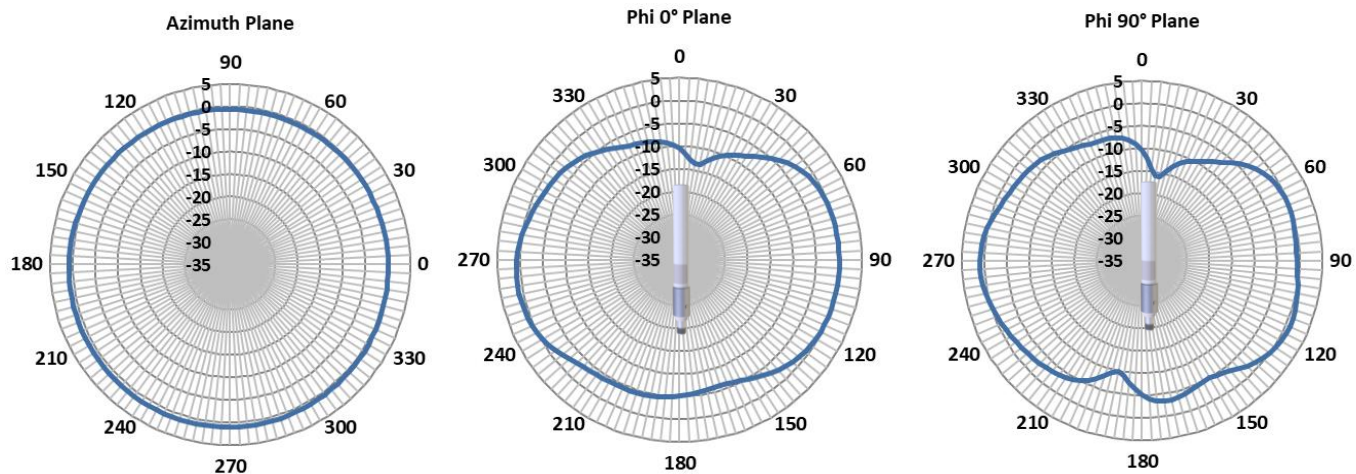
MODEL NUMBER	CONNECTOR
OC69421-FNM	Type N male
OC69421-FNF	Type N female

RADIATION PATTERNS

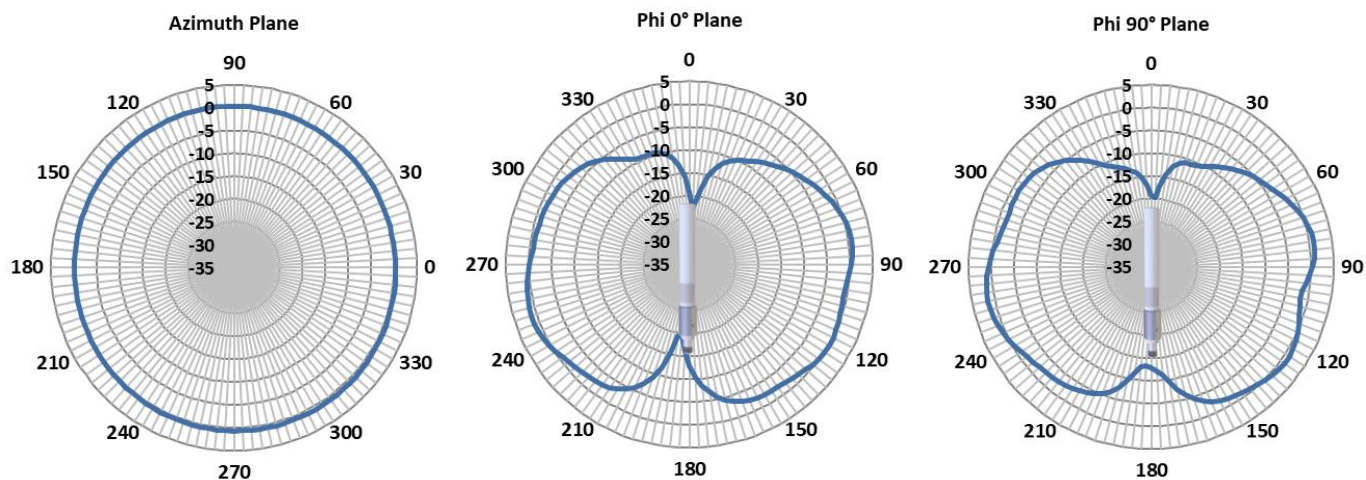
698 MHz



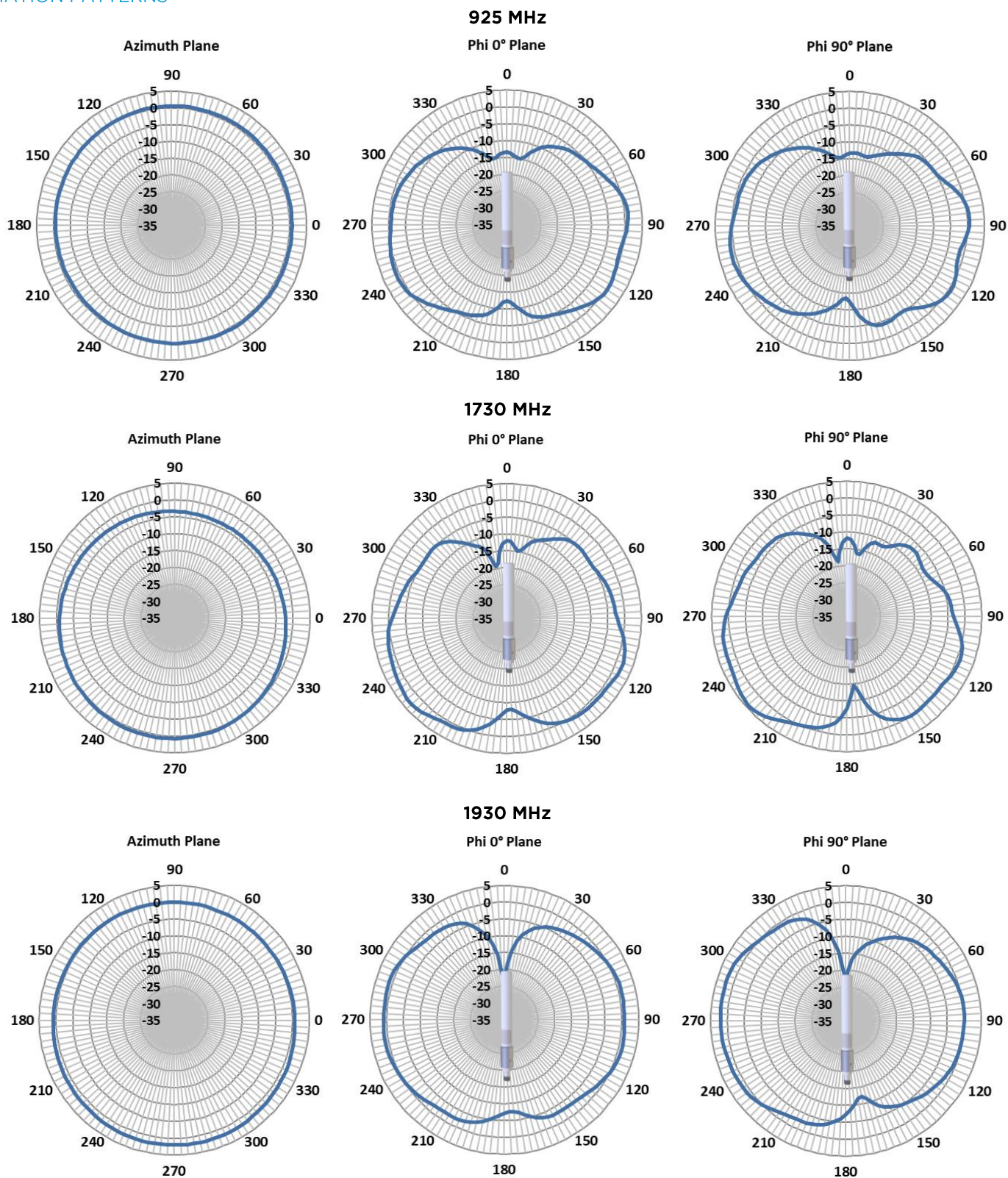
725 MHz



850 MHz

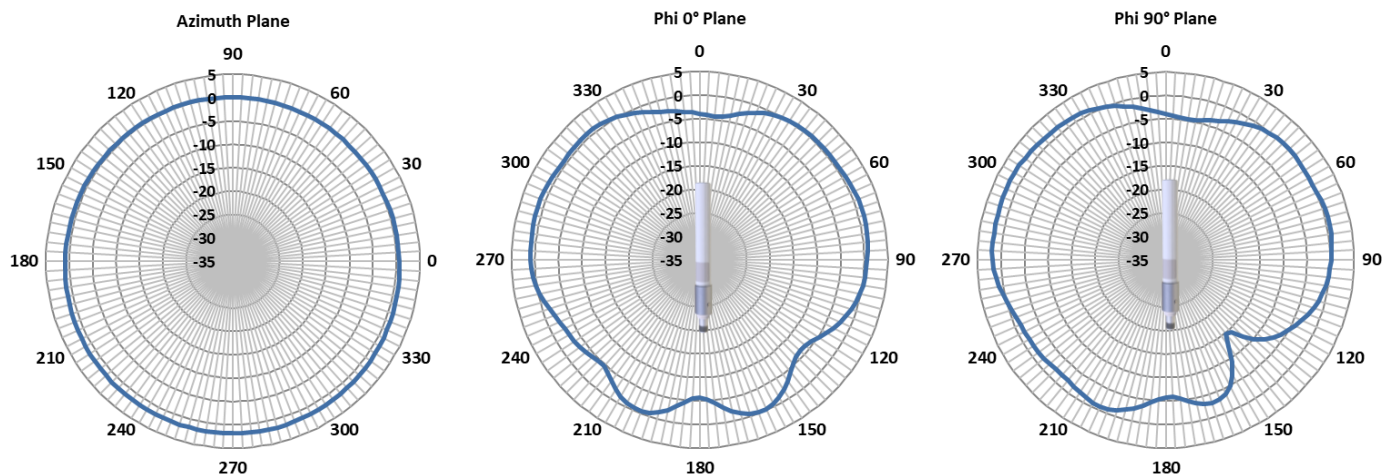


RADIATION PATTERNS

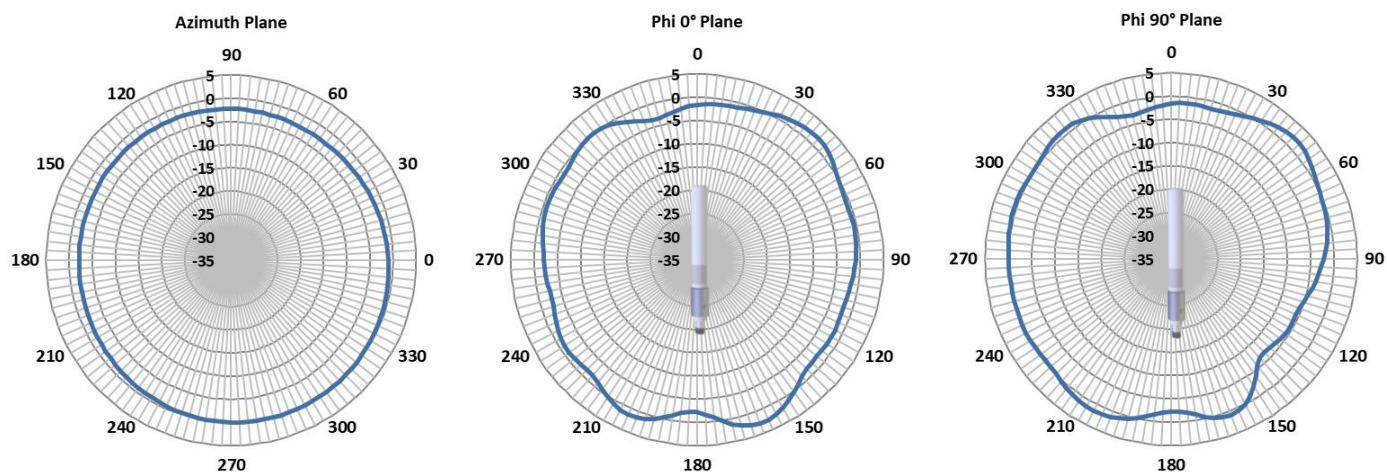


RADIATION PATTERNS

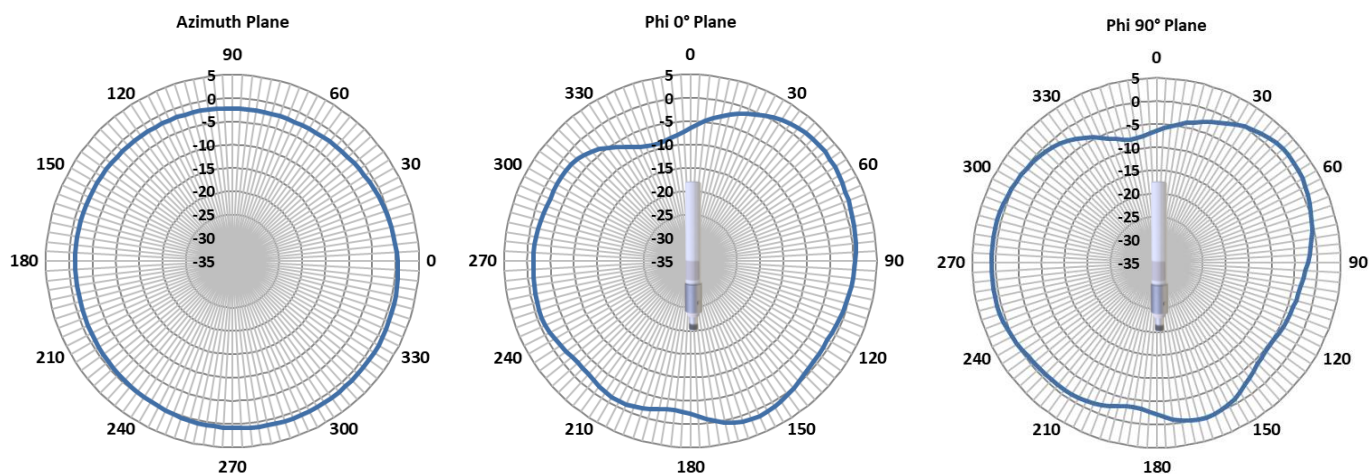
2140 MHz



2300 MHz

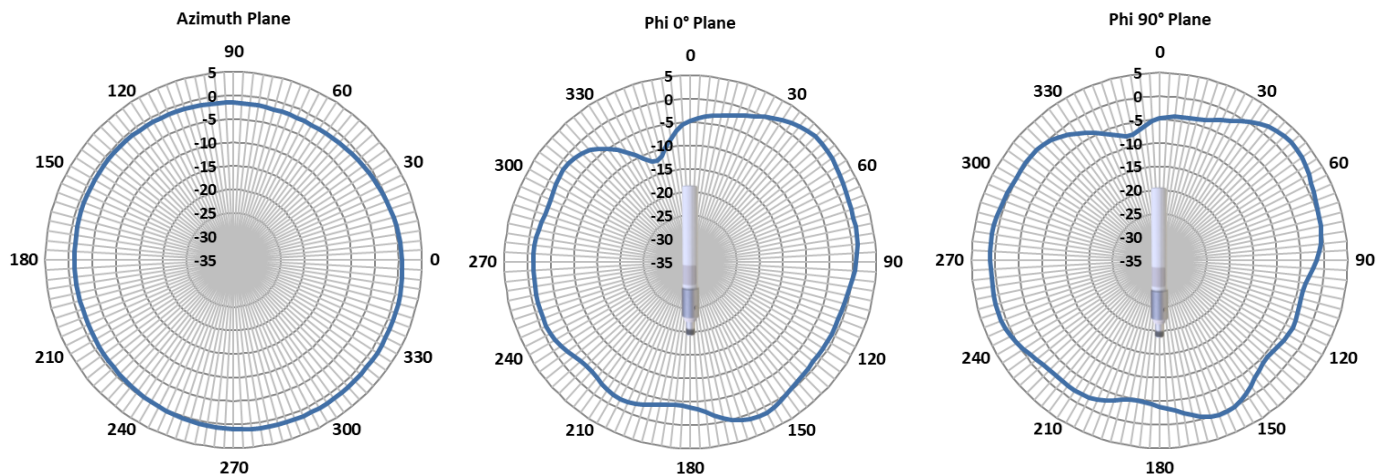


2457 MHz

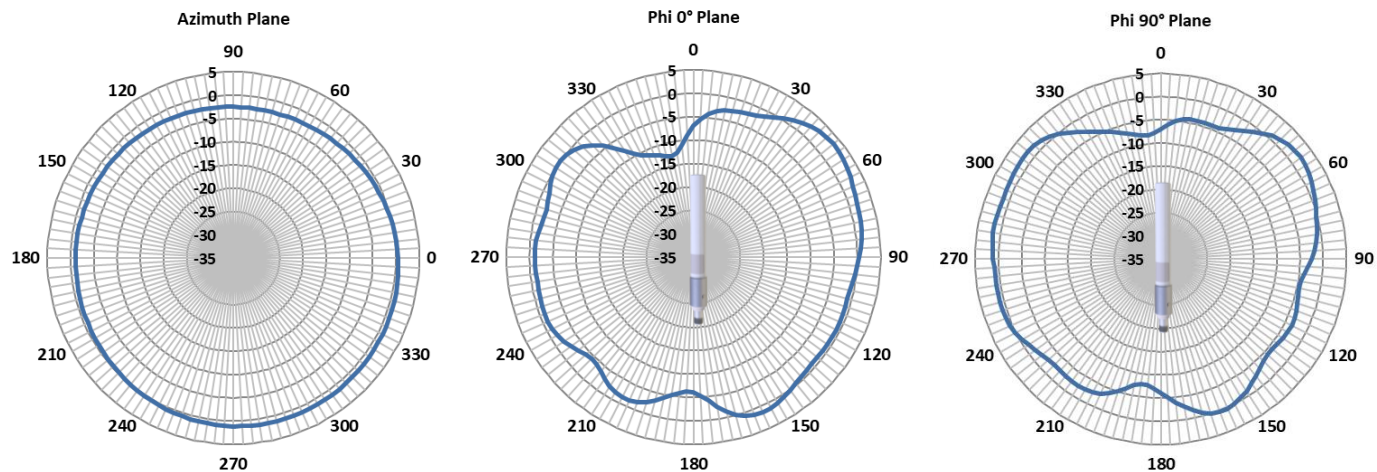


RADIATION PATTERNS

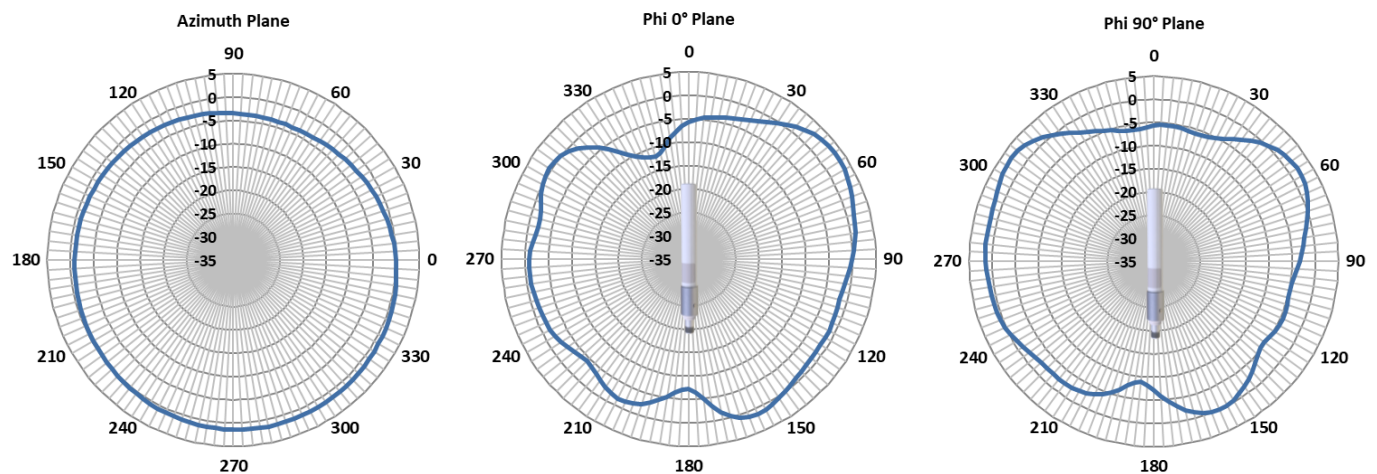
2510 MHz



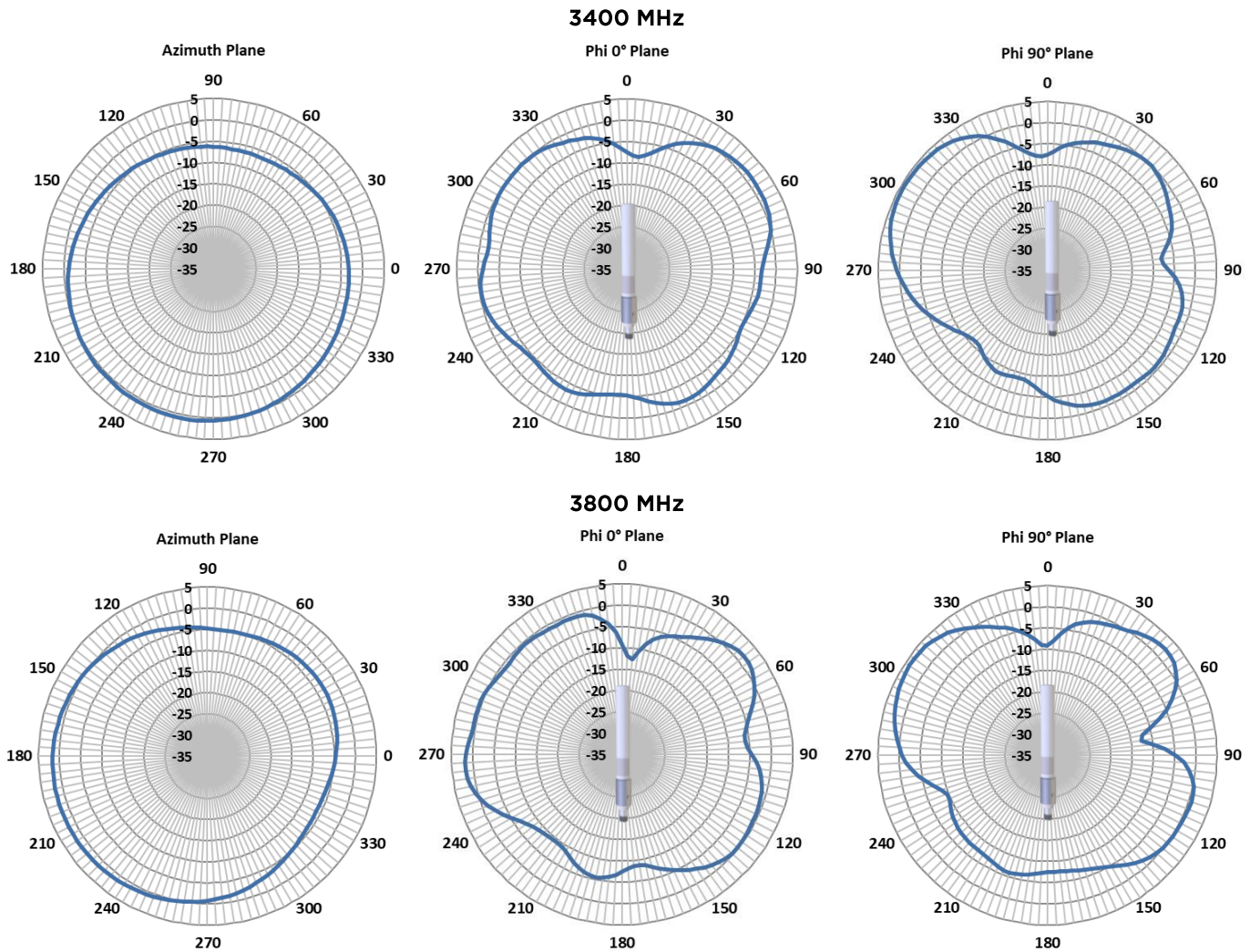
2600 MHz



2700 MHz



RADIATION PATTERNS



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