



OC69421

4G/5G/CBRS Direct Mount Omnidirectional Antenna 698-960 MHz/1710-2700/3300-4200 MHz

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

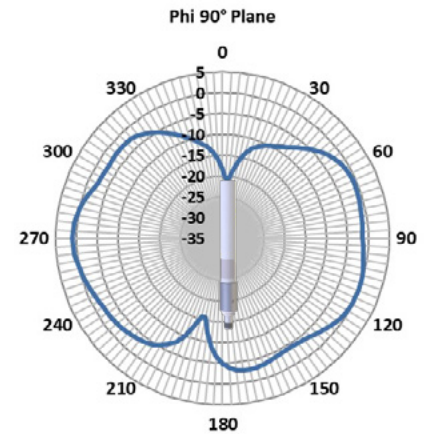
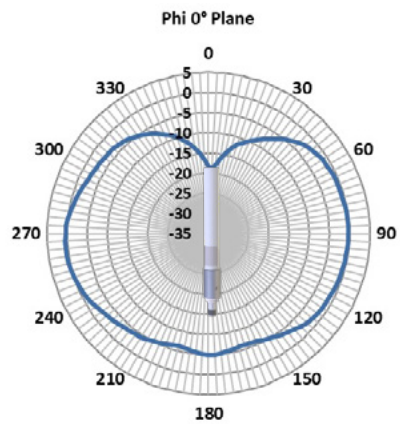
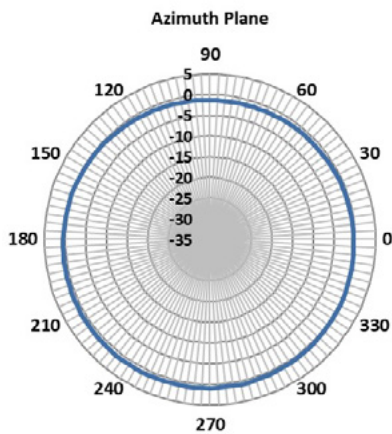
CONFIGURATION

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

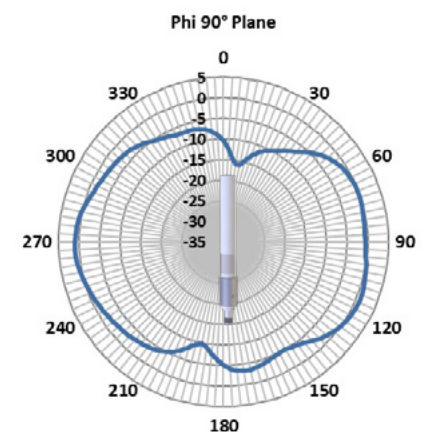
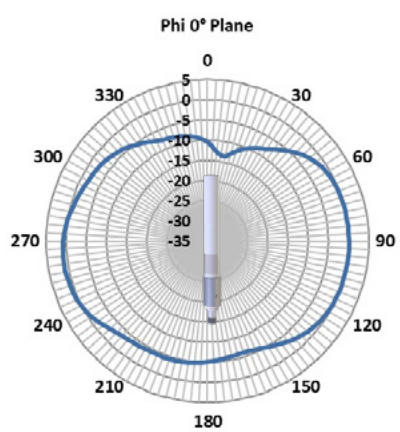
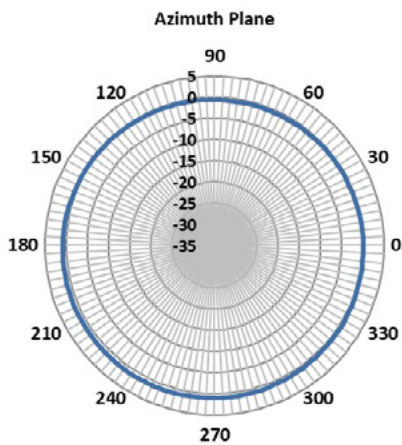
PACKAGED DIMENSIONS	MASTER CARTON	AIR PALLET	OCEAN PALLET
Number of Antennas	20	480	600
Height - cm (in.)	30.0 (11.8)	135 (53.2)	165 (65.0)
Length - cm (in.)	52.5 (20.7)	105 (41.3)	105 (41.3)
Width - cm (in.)	26.5 (10.4)	79.5 (31.3)	79.5 (31.3)
Shipping Weight - kg (lbs.)	7.36 (16.2)	190 (419)	230 (507)

RADIATION PATTERNS

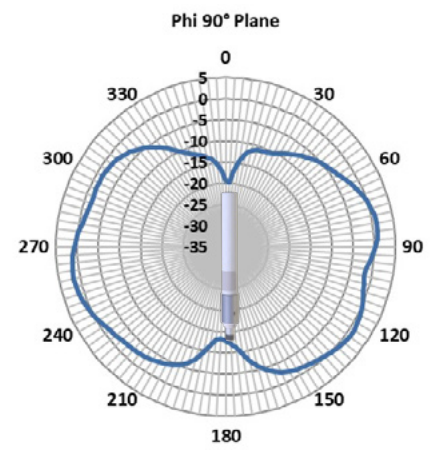
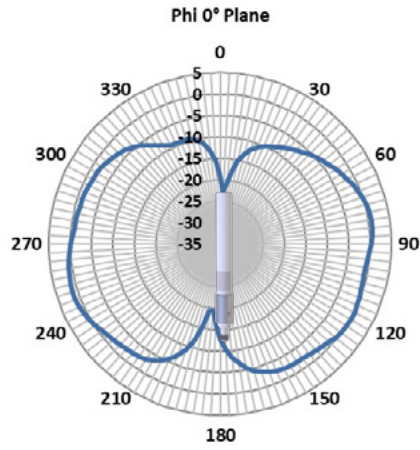
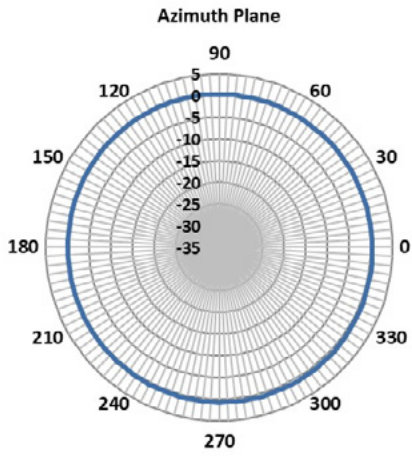
698 MHZ



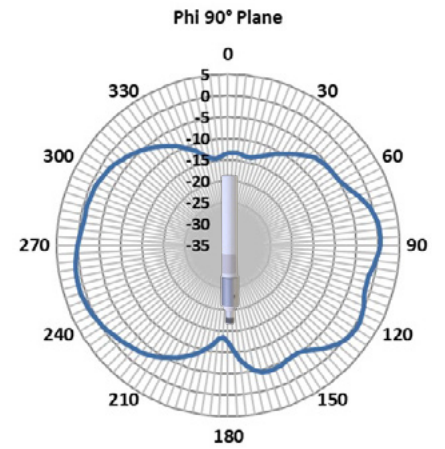
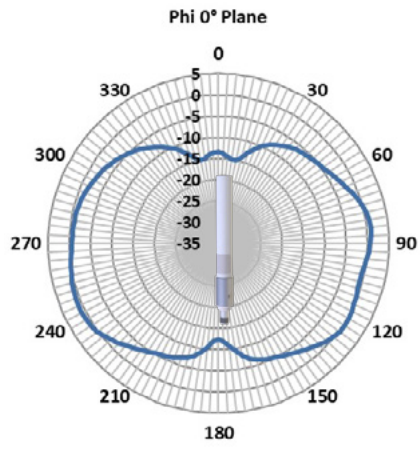
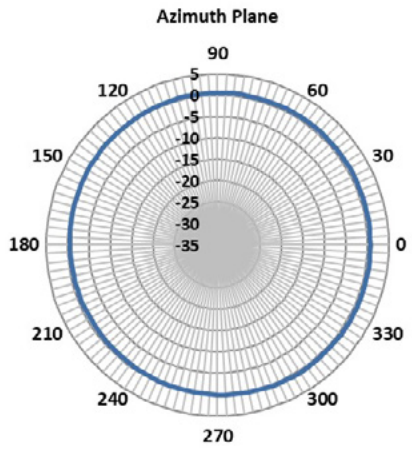
725 MHZ



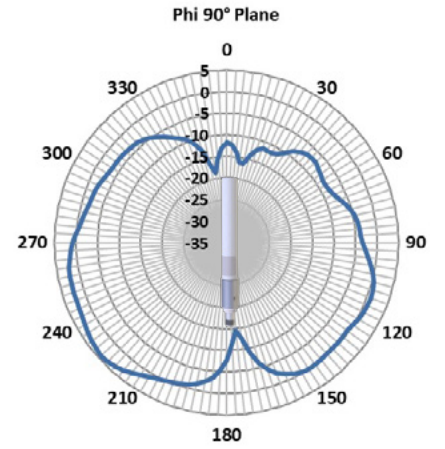
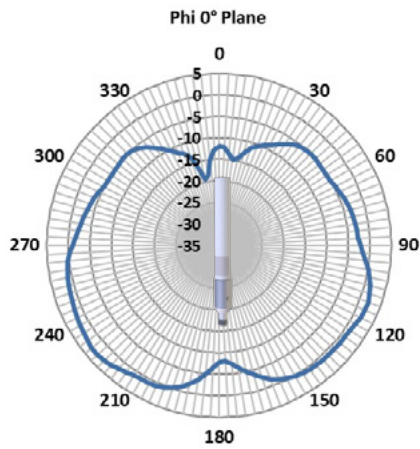
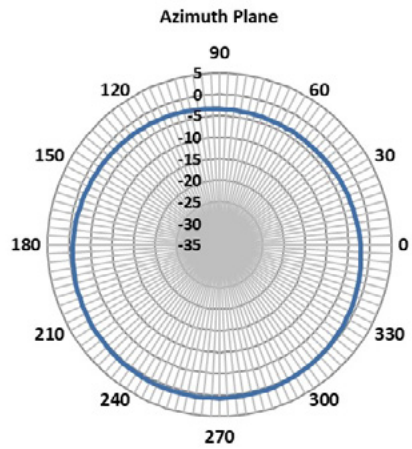
850 MHZ



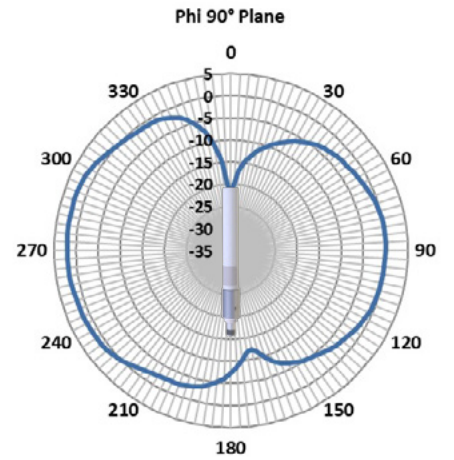
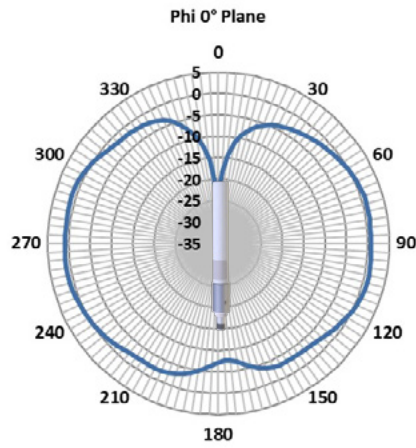
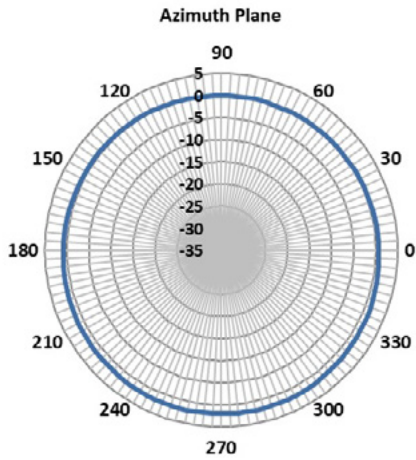
925 MHZ



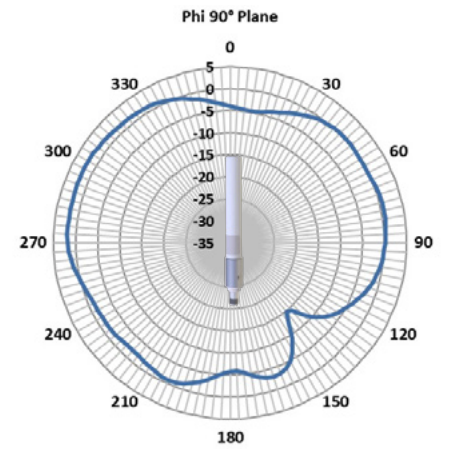
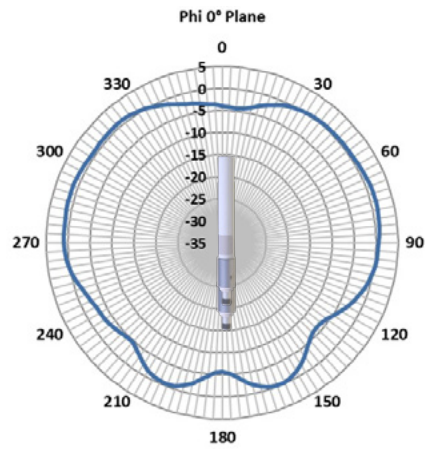
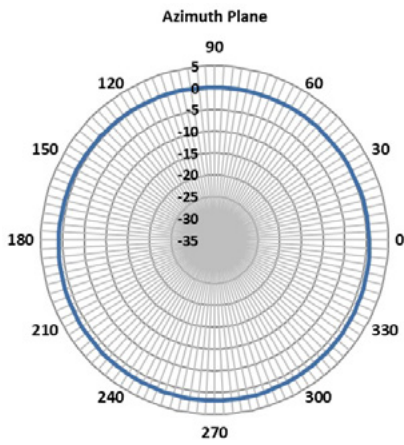
1730 MHZ



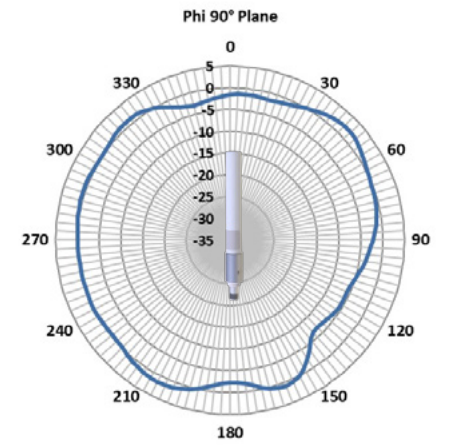
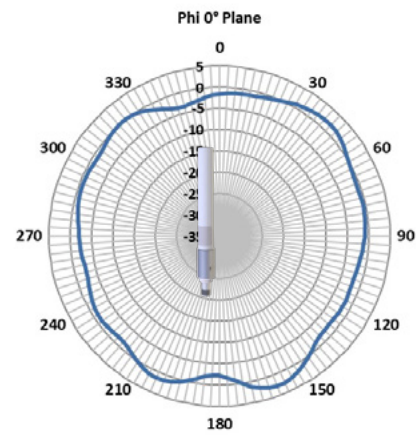
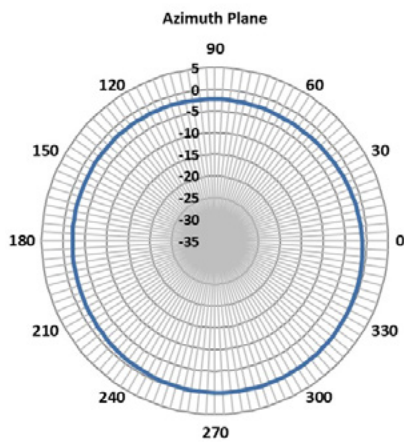
1930 MHZ



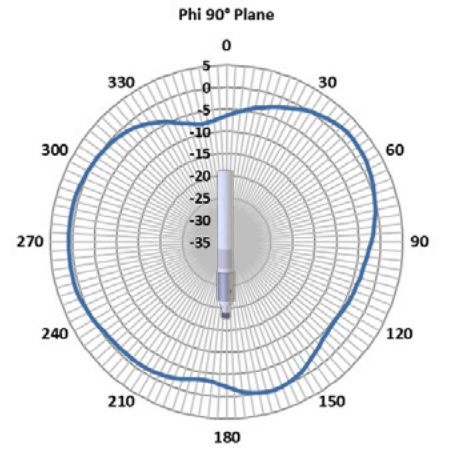
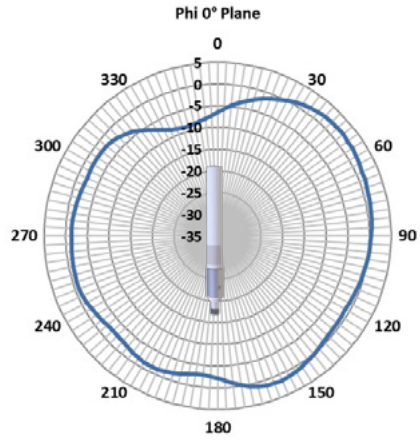
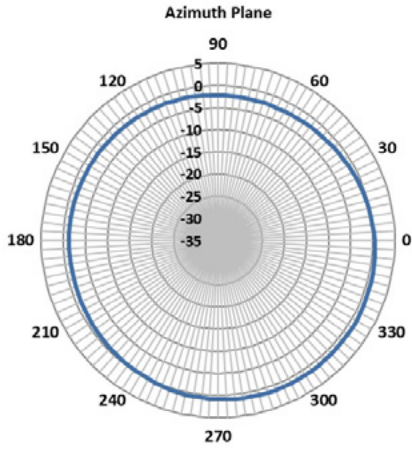
2140 MHZ



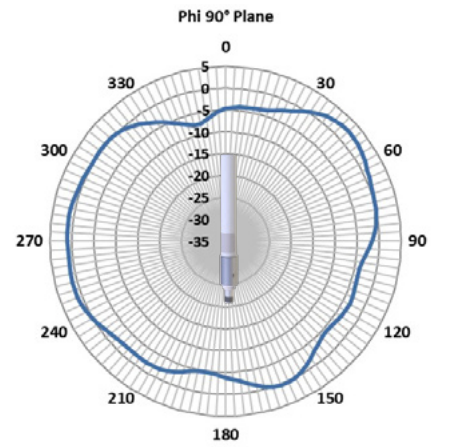
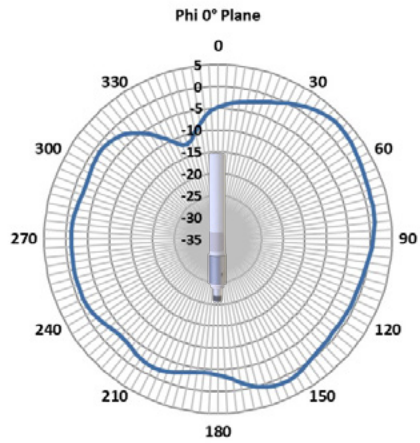
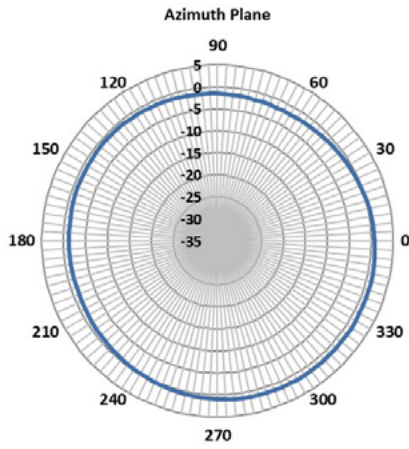
2300 MHZ



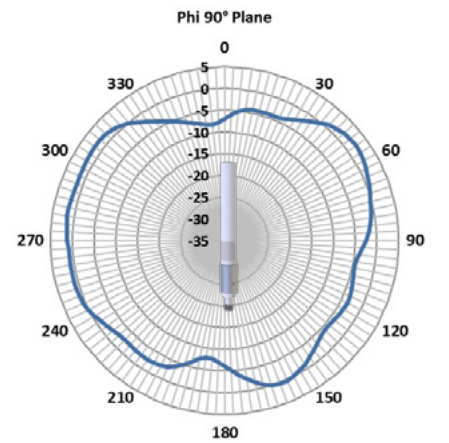
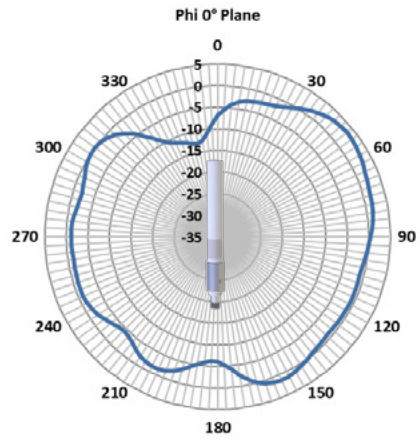
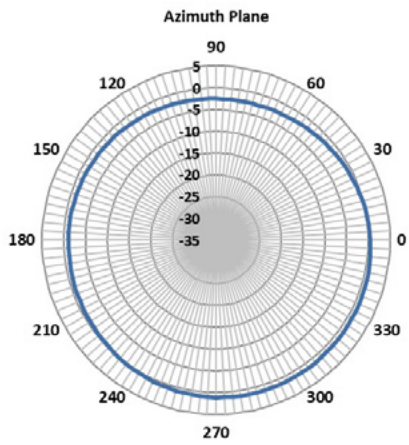
2457 MHZ



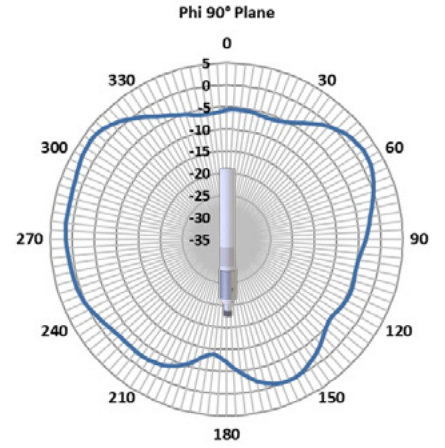
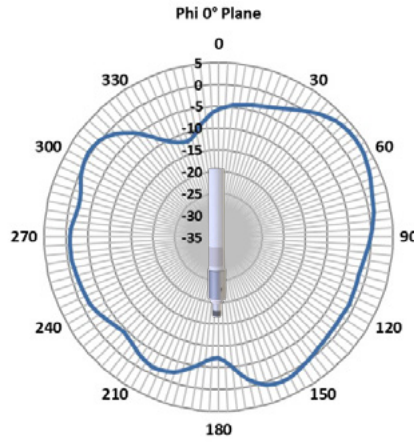
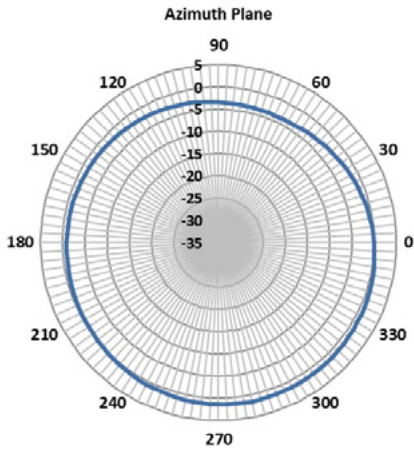
2510 MHZ



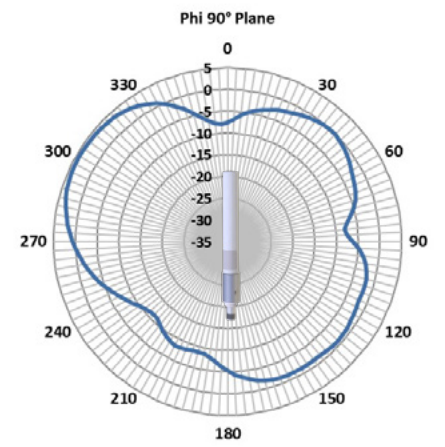
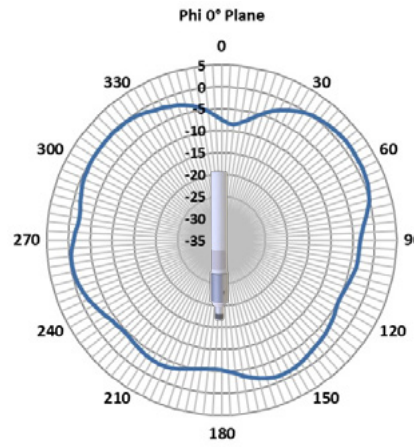
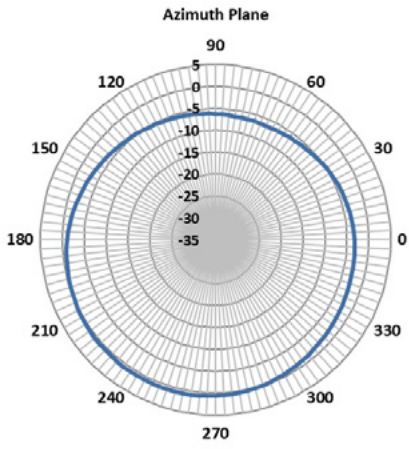
2600 MHZ



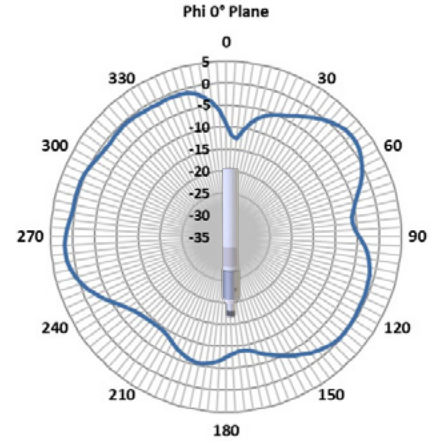
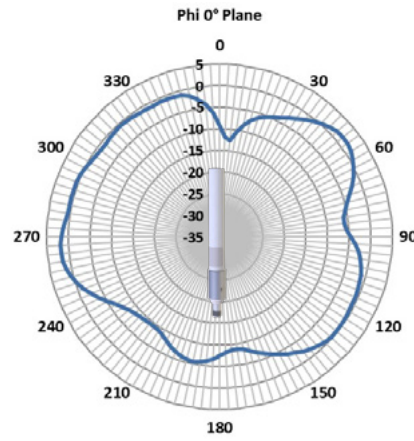
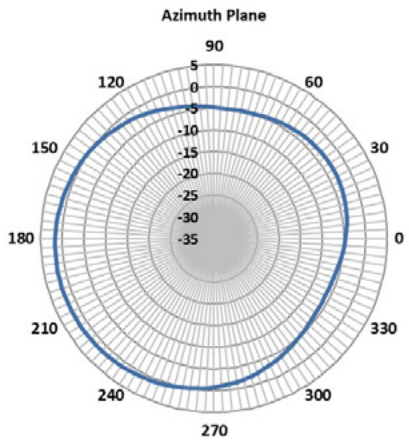
2700 MHZ



3400 MHZ



3800 MHZ



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