

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.)	0.156 (0.343)
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

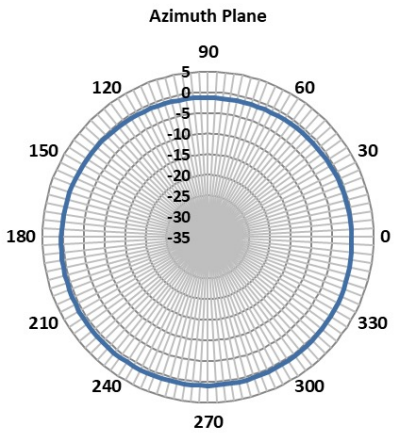
CONFIGURATION

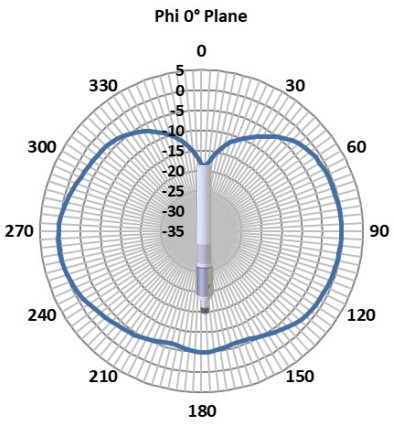
MODEL NUMBER	CONNECTOR
OC69421-FNM	Type N male
OC69421-FNF	Type N female

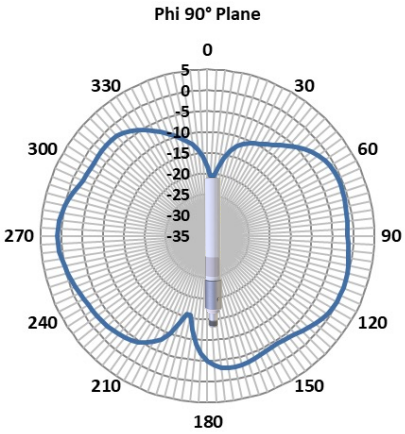
PACKAGED DIMENSIONS	MASTER CARTON	AIR PALLET	OCEAN PALLET
Number of Antennas	20	480	600
Height – cm (in.)	30.0 (11.8)	135 (53.2)	165 (65.0)
Length – cm (in.)	52.5 (20.7)	105 (41.3)	105 (41.3)
Width – cm (in.)	26.5 (10.4)	79.5 (31.3)	79.5 (31.3)
Shipping Weight – kg (lbs.)	7.36 (16.2)	190 (419)	230 (507)

RADIATION PATTERNS

698 MHZ







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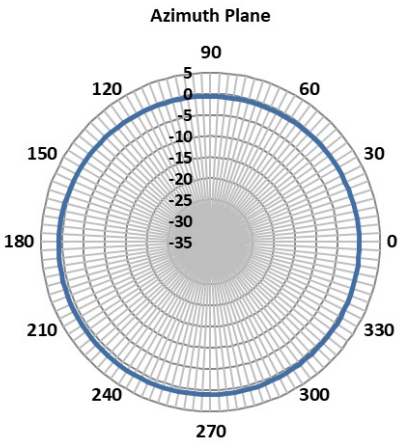

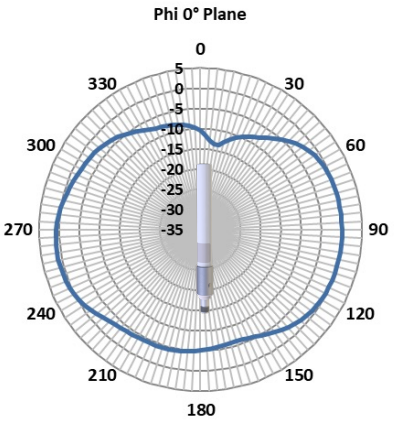

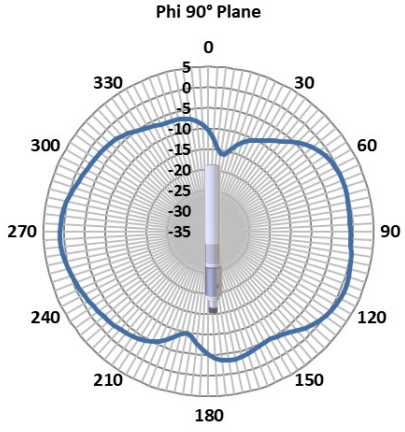

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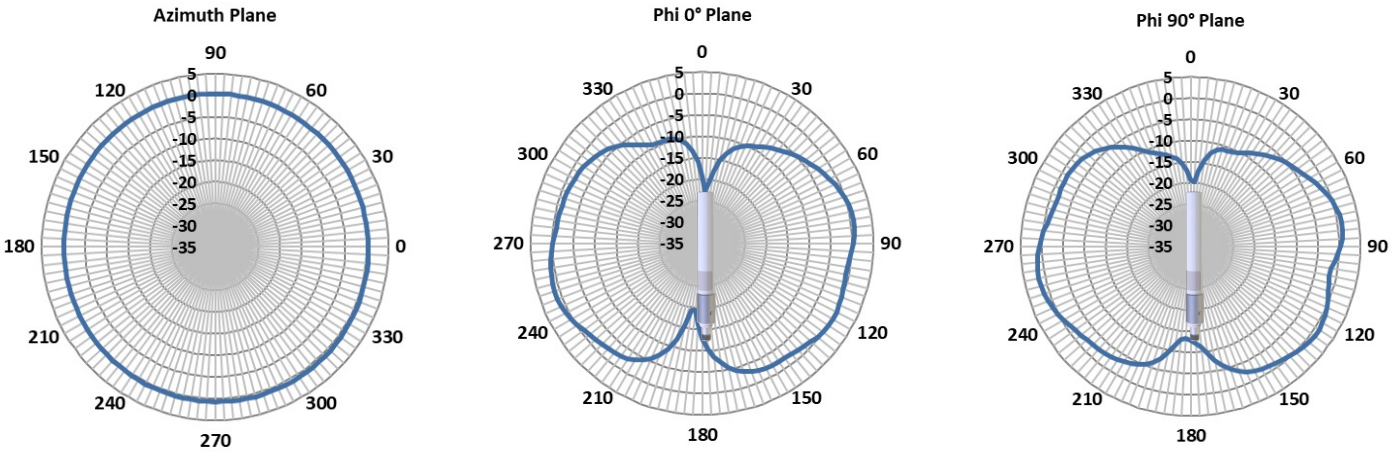

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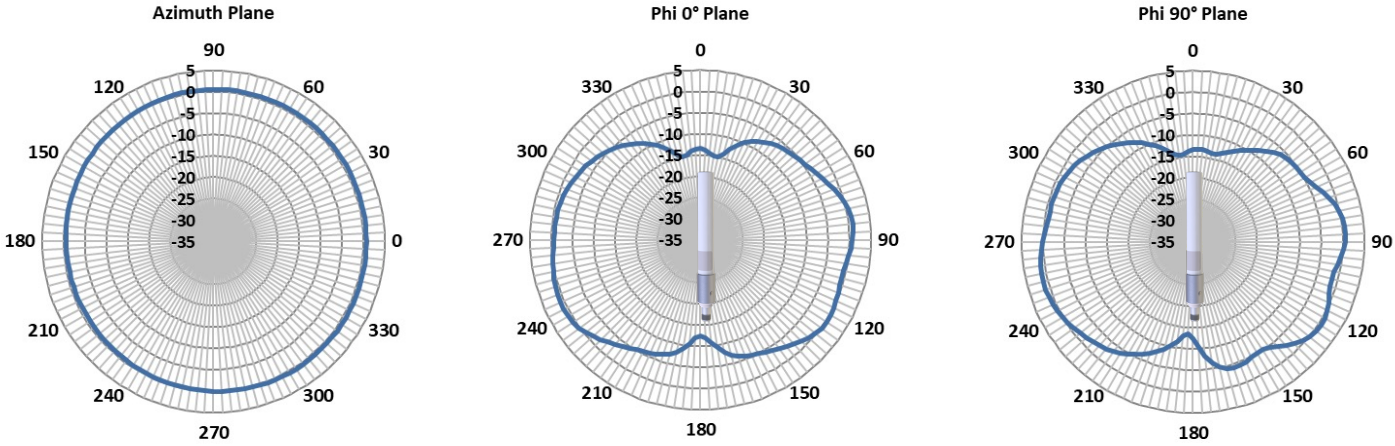

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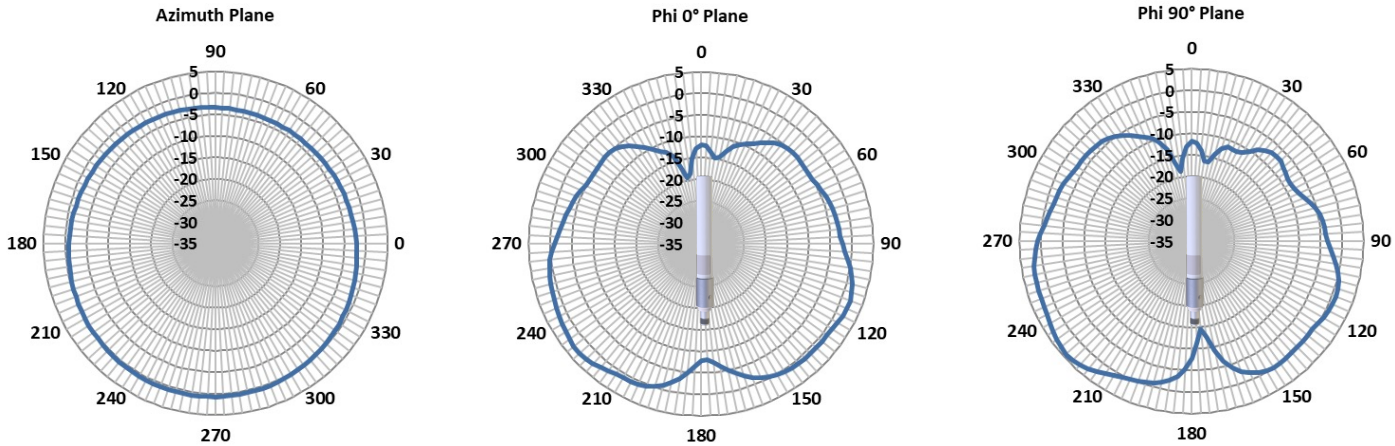

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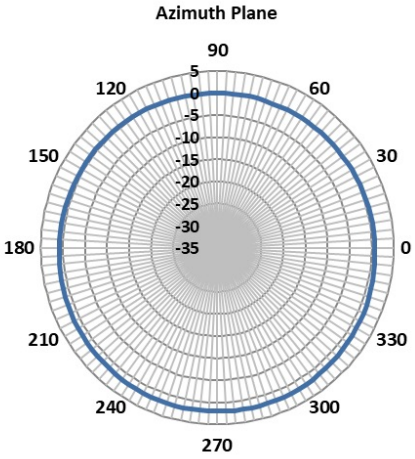

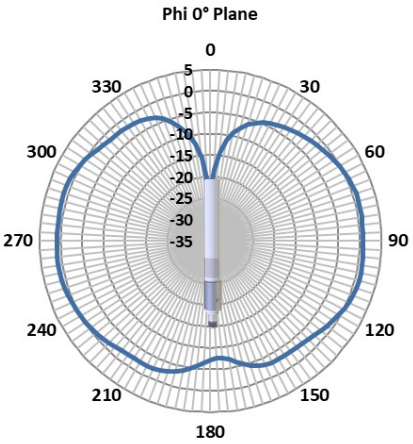

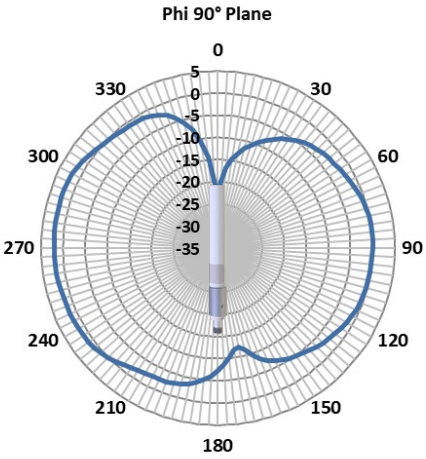

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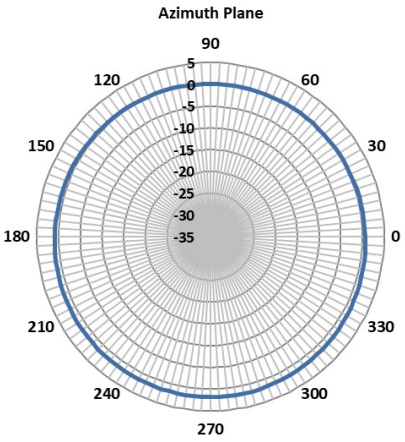

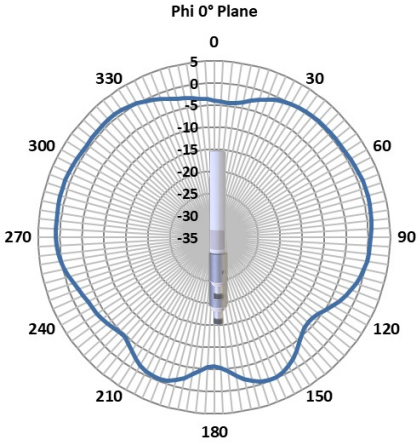

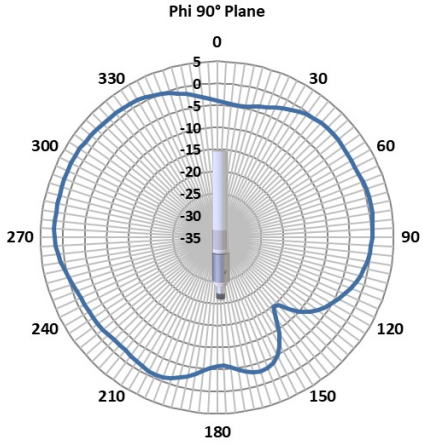

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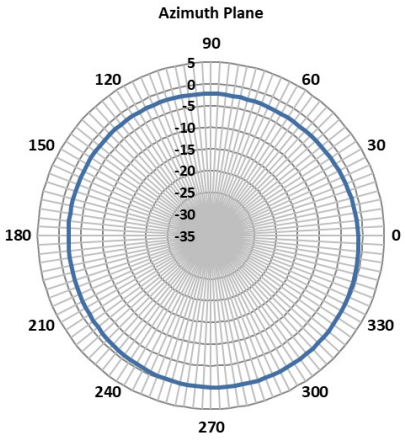

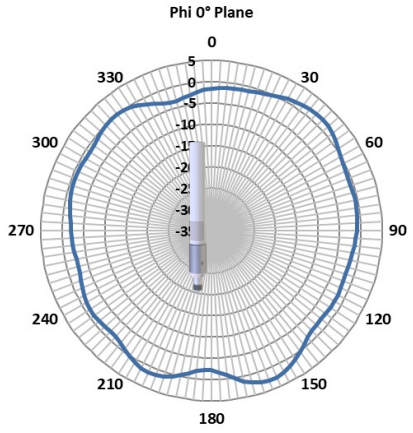

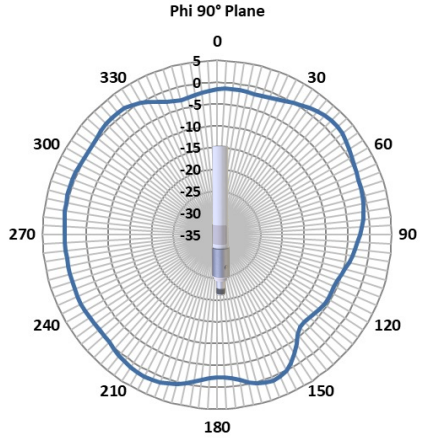

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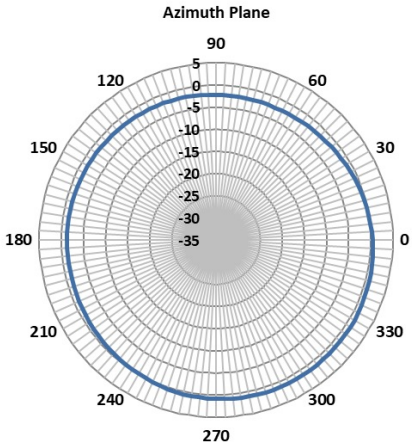

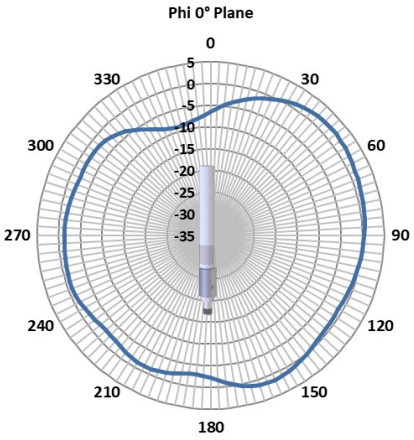

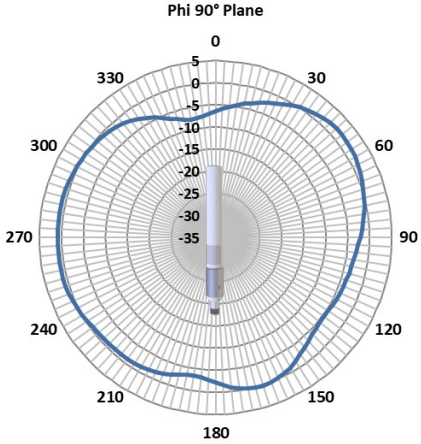

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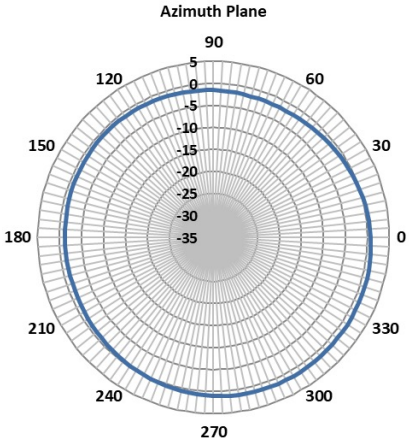

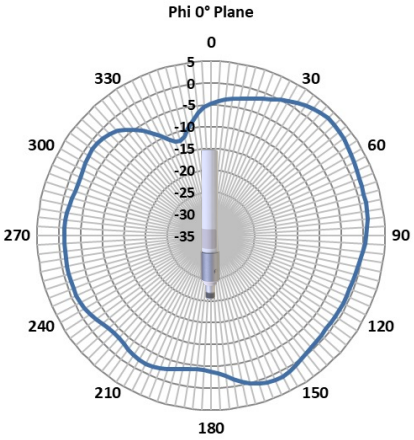

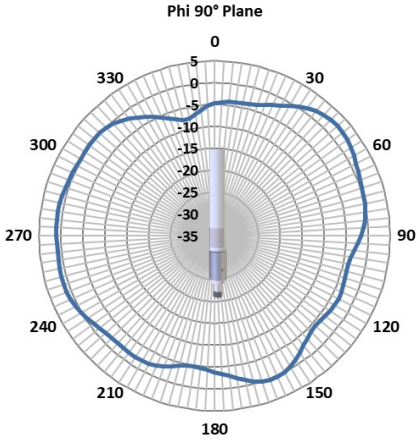

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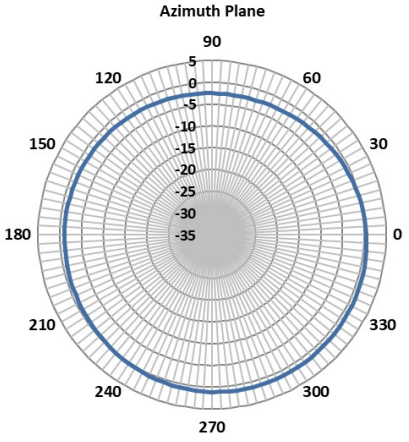

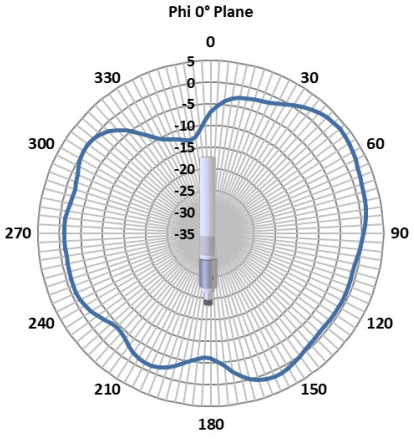

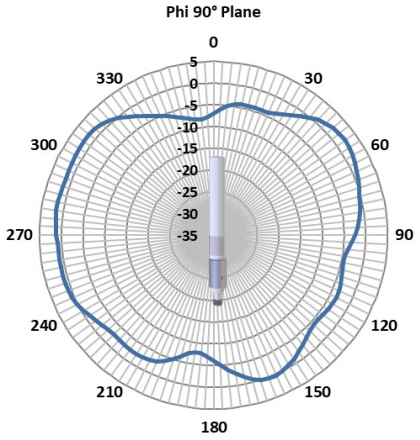

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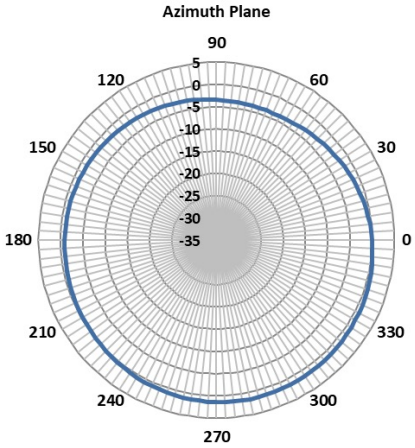

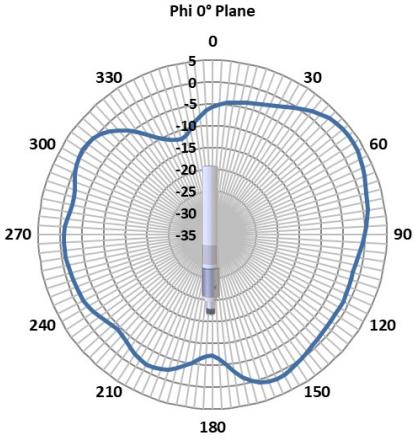

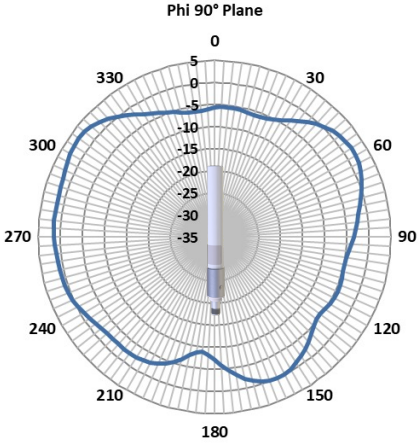

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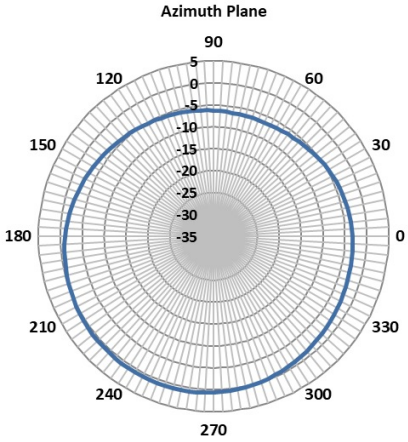

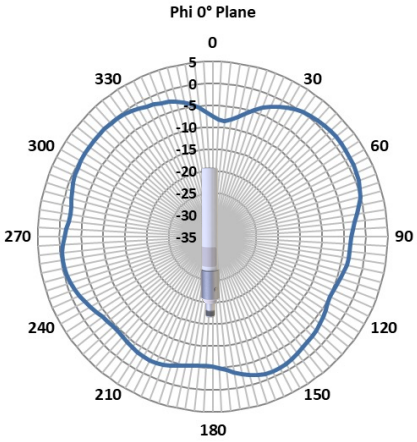

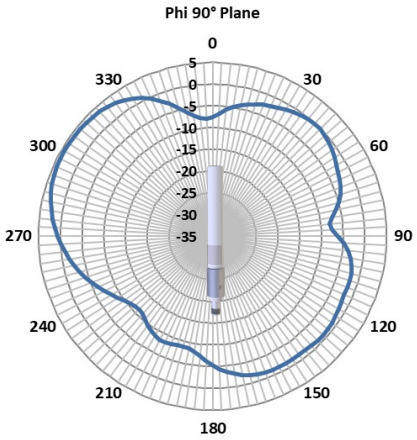

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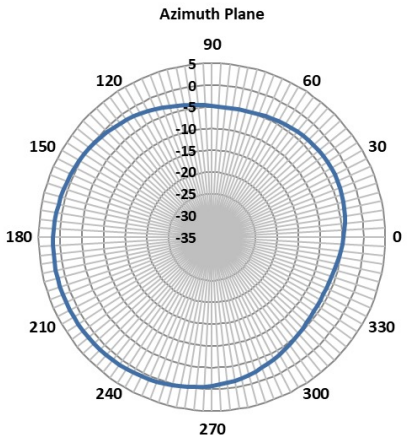

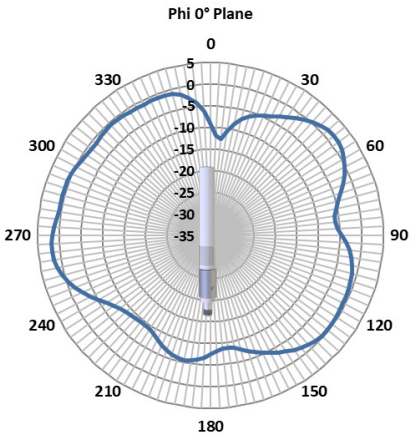

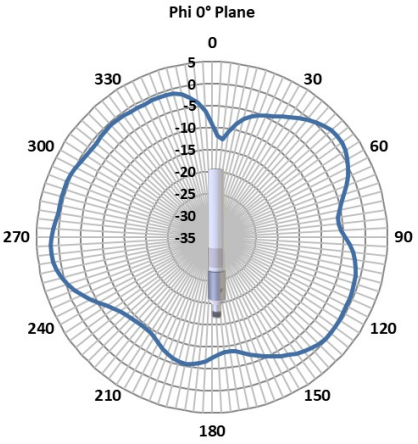

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11/21 Original

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