

2U4VT360X06F_{xys}4

Features

- Pseudo omni configuration with 12 connectors
- Narrow 9.5" diameter
- Ideal for MIMO deployments
- Broadband networks 1695-2700 and 3300-4200 MHz
- Easily removable lifting ring
- Improvements in gain, port isolation and VSWR
- Available for order with a grey, brown or black radome



PRODUCT OVERVIEW	Frequency Range (MHz)	(2x) 1695-2700	(4x) 3300-4200
	Array	■ Y1, ■ Y2	■ P1, ■ P2, ■ P3, ■ P4
	Connector	4 PORTS	8 PORTS
	Polarization	XPOL	XPOL
	Azimuth Beamwidth (avg)	360°	360°
	Electrical Downtilt	2°, 4°, 6°	2°, 4°, 6°
	Configuration	OMNI CONFIGURATION	
	Maximum Continuous Power Per Port @ 50° C (122° F)	300 WATTS	100 WATTS
	Maximum Total Continuous Power at 50° C (122° F)	2000 WATTS	
	Connector Type	(12x) 4.3-10 FEMALE CONNECTORS	
	Dimensions	626 x Ø241 mm (23.9 x Ø9.5 in)	
	Radome Color Options	GREY, BROWN or BLACK	

ELECTRICAL SPECIFICATIONS

■ Y1 ■ Y2

Frequency Range		MHz	(2x) 1695-2700			
Frequency Sub-Range		MHz	1695-1880	1850-1990	1920-2200	2300-2700
Polarization		---	(2x) ±45°			
Gain	BASTA	dBi	10.2 ± 1.0	10.4 ± 1.2	10.7 ± 1.2	11.2 ± 1.1
	MAX	dBi	11.2	11.6	11.9	12.3
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	20.7° ± 1.9°	19.1° ± 1.7°	17.8° ± 2.1°	15.3° ± 1.6°
Electrical Downtilt		degrees	(x) 2°, 4°, 6°; Refer to ordering options for exact combinations			
Impedance		Ohms	50Ω			
VSWR		---	≤ 1.5:1			
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153			
Upper Sidelobe Suppression		dB	> 12.6			
Isolation	Intraband	dB	> 25			
	Interband	dB	> 28 same band; > 30 different band			

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ELECTRICAL SPECIFICATIONS

■ P1 ■ P2 ■ P3 ■ P4

Frequency Range		MHz	(4x) 3300-4200		
Frequency Sub-Range		MHz	3300-3550	3550-3700	3700-4200
Polarization		---	(4x) $\pm 45^\circ$		
Gain	BASTA	dBi	10.3 ± 1.5	10.5 ± 1.5	10.5 ± 1.6
	MAX	dBi	11.8	12.0	12.1
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	$15.8^\circ \pm 2.2^\circ$	$14.7^\circ \pm 1.6^\circ$	$13.9^\circ \pm 1.7^\circ$
Electrical Downtilt		degrees	(y) 2°, 4°, 6°; Refer to ordering options for exact combinations		
Impedance		Ohms	50Ω		
VSWR		---	$\leq 1.5:1$		
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	-153		
Upper Sidelobe Suppression		dB	N/A		
Isolation	Intraband	dB	> 25		
	Interband	dB	> 28 same band; > 30 different band		







MECHANICAL SPECIFICATIONS

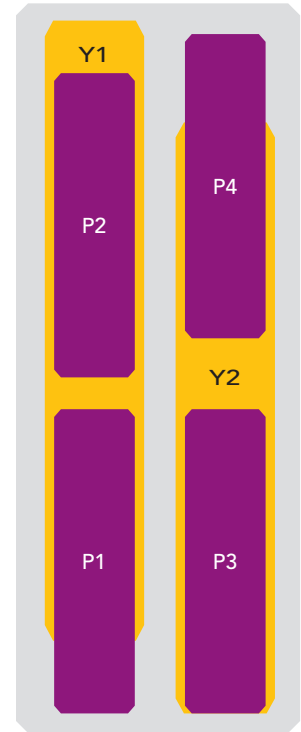
Antenna	Height	mm (in)	607 (23.9)
	Diameter	mm (in)	241 (9.5)
Net Weight - Antenna Only		kg (lbs)	9.1 (20)
Windload	Calculation	km/h (mph)	160 (100)
	Frontal	N (lbf)	78 (18)
Survival Wind Speed		km/h (mph)	241 (150)
Wind Area		m ² (ft ²)	0.15 (1.6)
Volume		m ³ (ft ³)	0.03 (0.98)
Connector	Type	---	(10x) 4.3-10 Female Connectors
	Position	---	Bottom
Radome Color		---	Grey (Pantone 420 C), Brown (Pantone 476 C), Black (RAL 9011)
Lightning Protection (Grounding Type)		---	Direct Ground

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ARRAY LAYOUT Topology

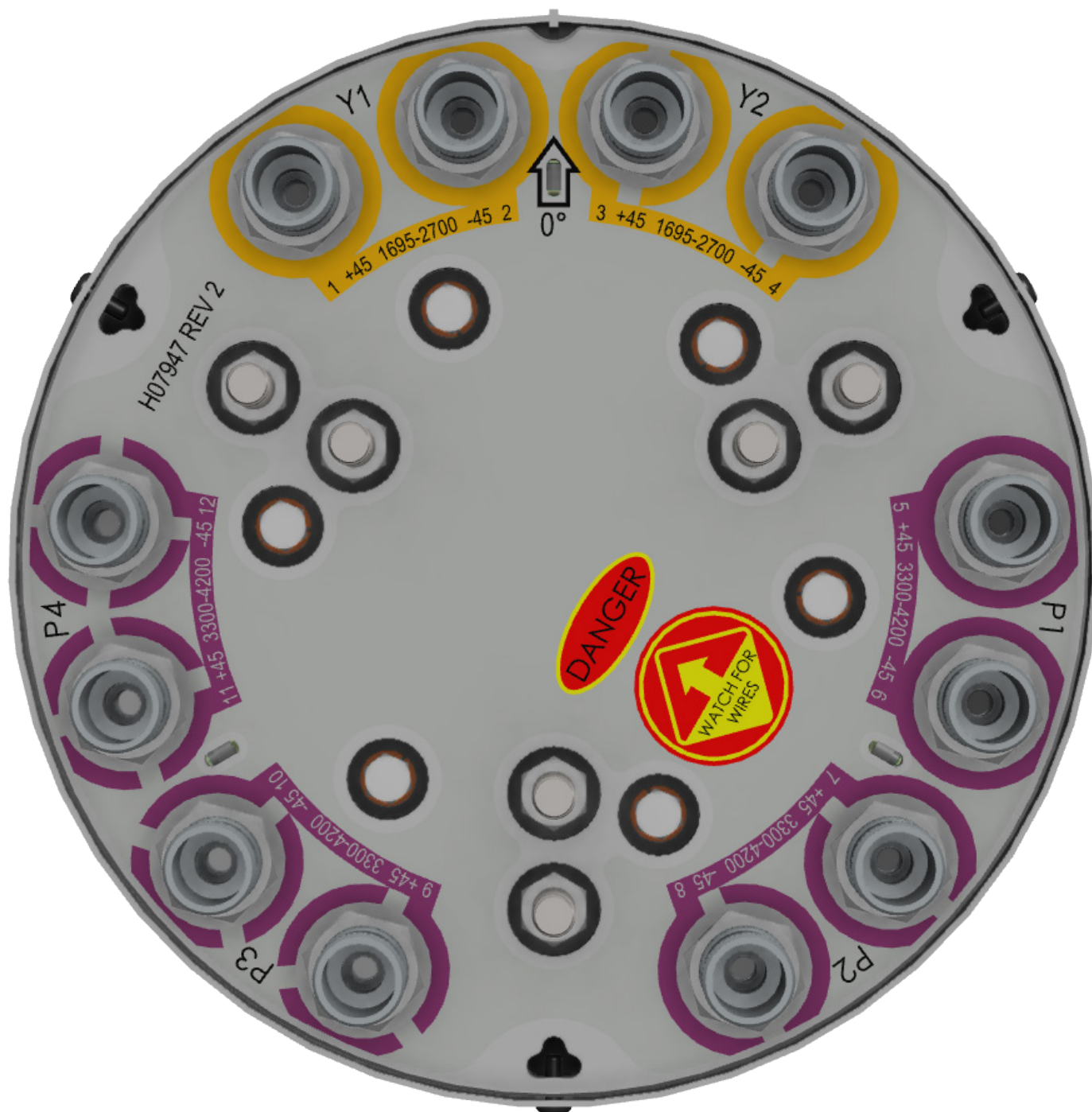
FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
1695-2700 MHz	 Y1	1-2	(2x) 4.3-10 Female
1695-2700 MHz	 Y2	3-4	(2x) 4.3-10 Female
3300-4200 MHz	 P1	5-6	(2x) 4.3-10 Female
3300-4200 MHz	 P2	7-8	(2x) 4.3-10 Female
3300-4200 MHz	 P3	9-10	(2x) 4.3-10 Female
3300-4200 MHz	 P4	11-12	(2x) 4.3-10 Female



The illustration is not shown to scale.

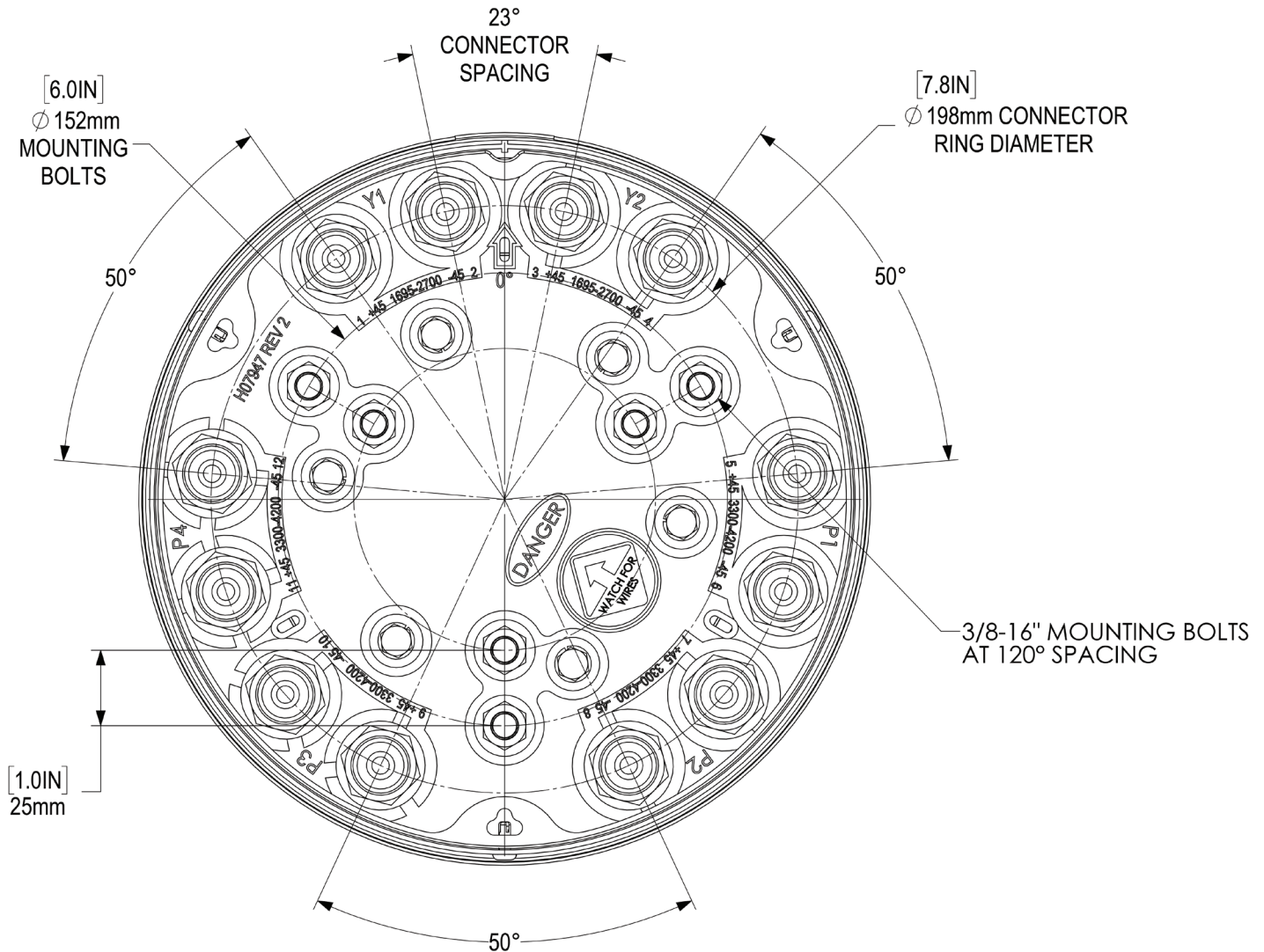
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BOTTOM VIEW - LABELING




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BOTTOM VIEW - CONNECTOR DIAGRAM



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MOUNTING KITS Select from the following mounting options when ordering. Mounting kits for canister antennas are ordered as a separate line item.

MODEL NUMBER		DESCRIPTION
CWT-MKS-SIDE		SIDE MOUNTING BRACKET KIT FOR CANISTER ANTENNA
CWT-MKS-TOP		TOP MOUNTING BRACKET KIT FOR CANISTER ANTENNA
WB3X-MKS-01		UTILITY POLE MOUNTING BRACKET KIT FOR CANISTER ANTENNA

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HOW TO READ THE MODEL NUMBER

Each letter and number has meaning.

NUMBER OF BANDS & OPERATING FREQUENCY		PATTERN TYPE	AZIMUTH BEAMWIDTH	POLARIZATION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
2U	4V	T	360	X	06	F	xy	s	4	BK BR
(2x) 1695-2700	(4x) 3300-4200	Tri-Sector	360°	XPOL	0.6 meters	Fixed Tilt	These letters are placeholders for fixed tilt options. Refer to Electrical Specifications for available tilt options.	4.3-10 Connector	4th generation enhanced mechanical package	BK indicates a Black radome. BR indicates a Brown radome. The default radome color is Grey. No letters are required for a Grey radome.

ORDERING OPTIONS

Select from the following ordering options

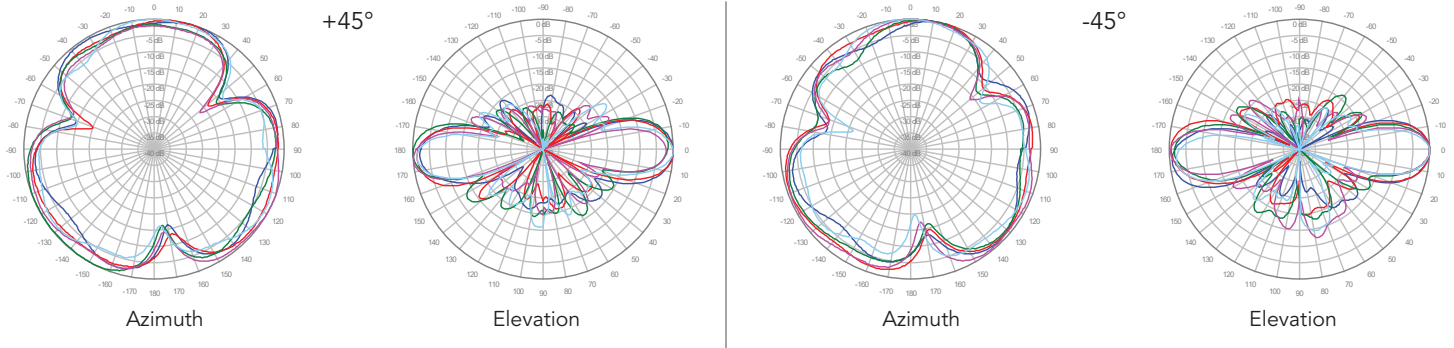
SELECT RADOME COLOR	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND		ORDER MODEL NUMBER
	1695-2700 MHz	3300-4200 MHz	
Grey Pantone 420 C	2°	2°	2U4VT360X06F22s4
	4°	4°	2U4VT360X06F44s4
	6°	6°	2U4VT360X06F66s4
Brown Pantone 476 C	2°	2°	2U4VT360X06F22s4BR
	4°	4°	2U4VT360X06F44s4BR
	6°	6°	2U4VT360X06F66s4BR
Black RAL 9011	2°	2°	2U4VT360X06F22s4BK
	4°	4°	2U4VT360X06F44s4BK
	6°	6°	2U4VT360X06F66s4BK

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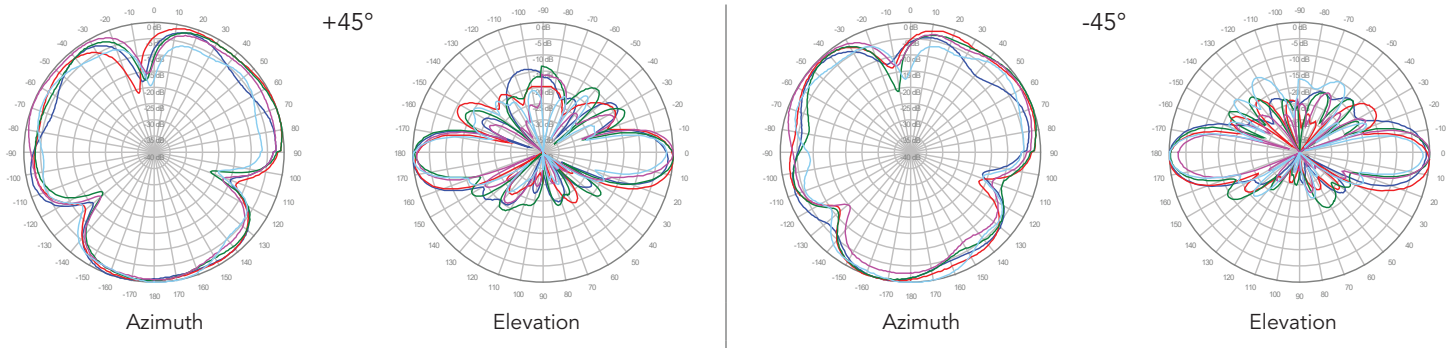
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3800 MHz —
4000 MHz —
2100 MHz —
2300 MHz —
2600 MHz —

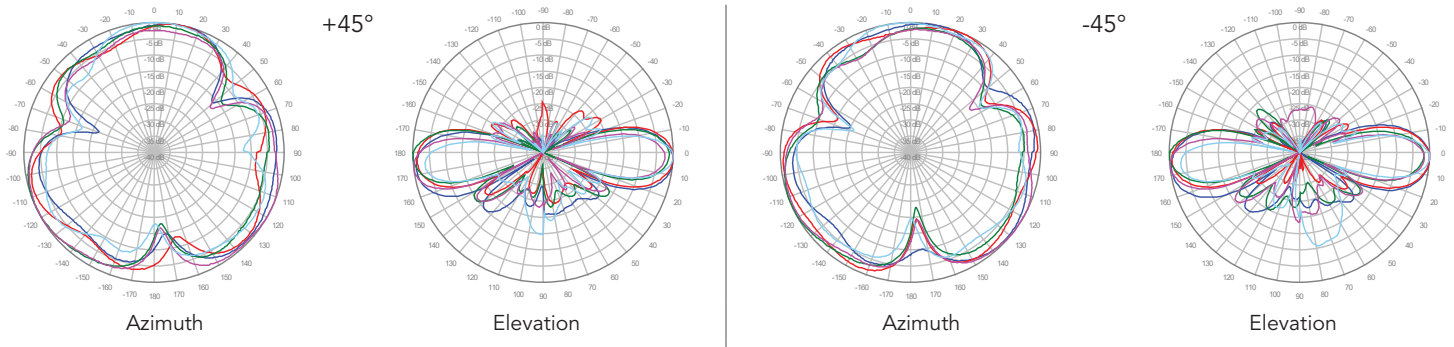
■ Y1, 2° TILT



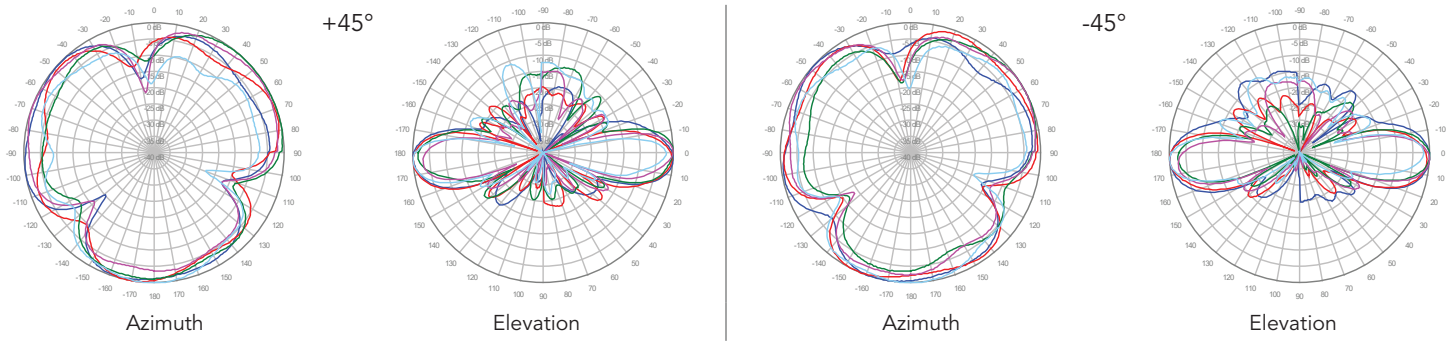
■ Y2, 2° TILT



■ Y1, 4° TILT



■ Y2, 4° TILT

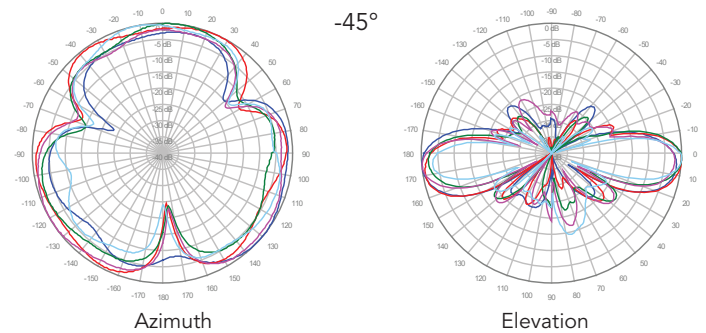
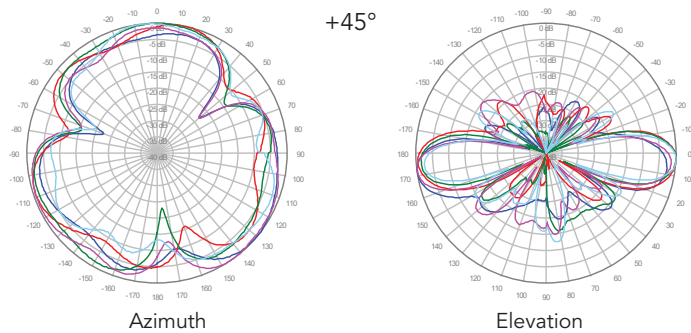


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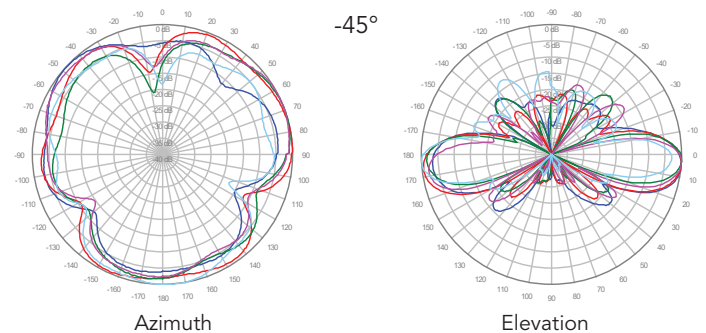
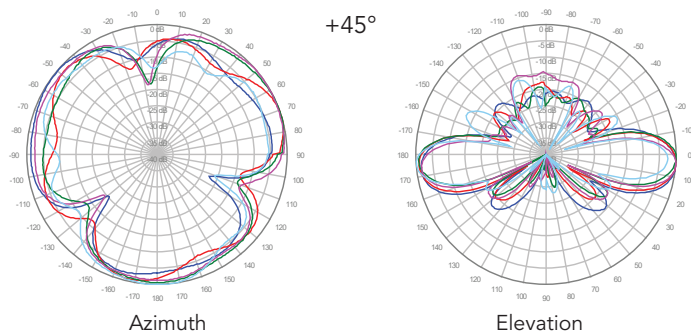
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3800 MHz ————
4000 MHz ————
2100 MHz ————
2300 MHz ————
2600 MHz ————

■ Y1, 6° TILT

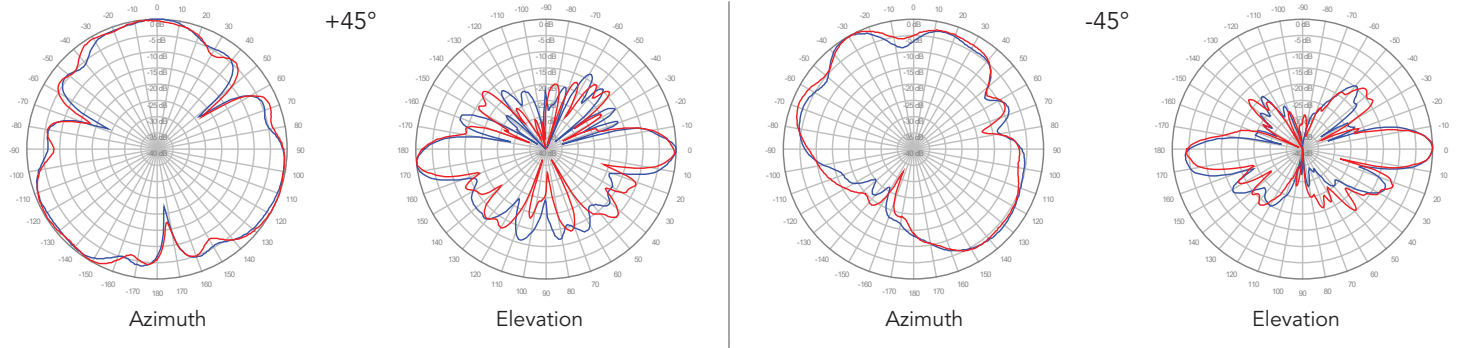


■ Y2, 6° TILT

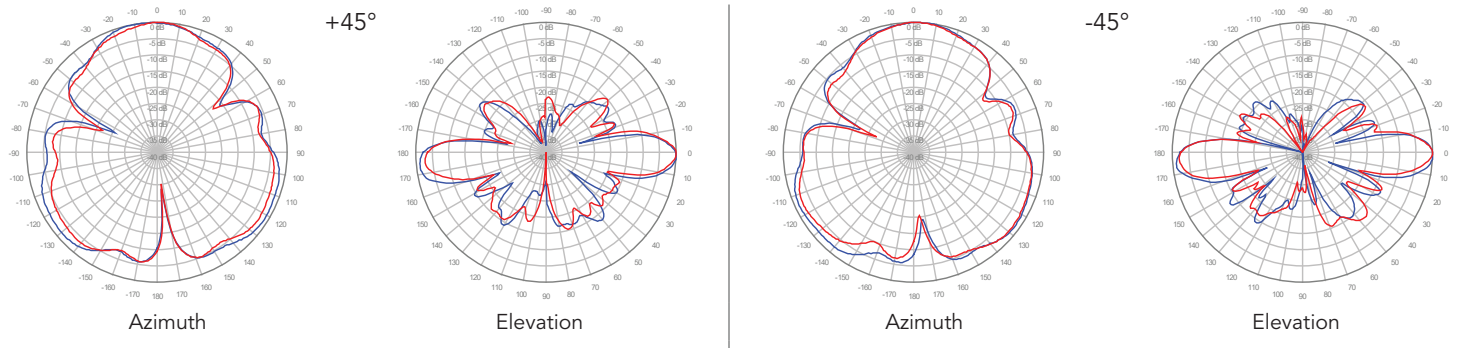


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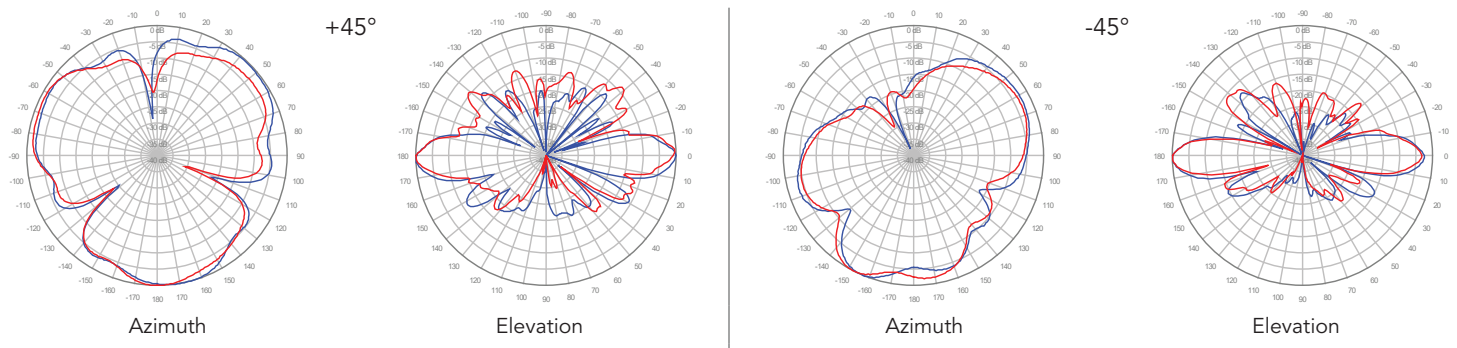
P1, 2° TILT



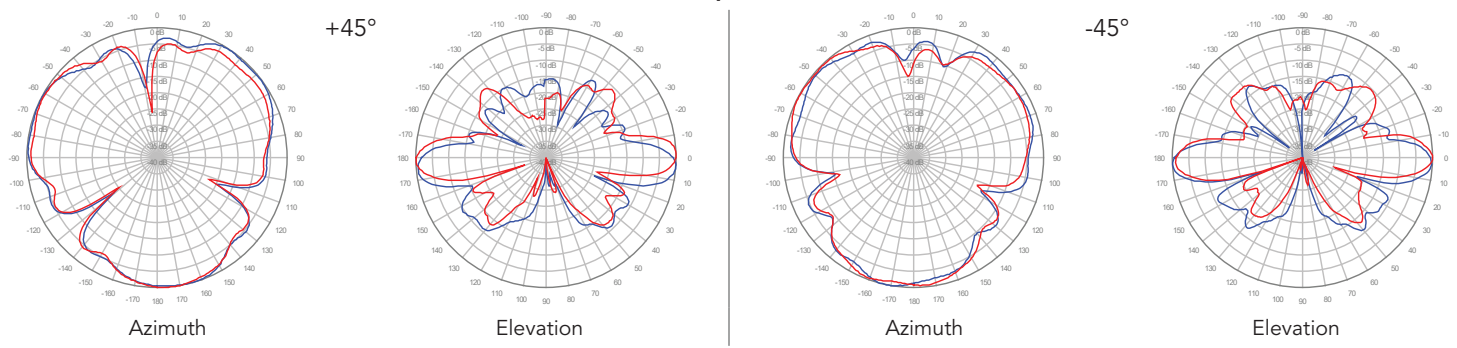
P2, 2° TILT



P3, 2° TILT



P4, 2° TILT

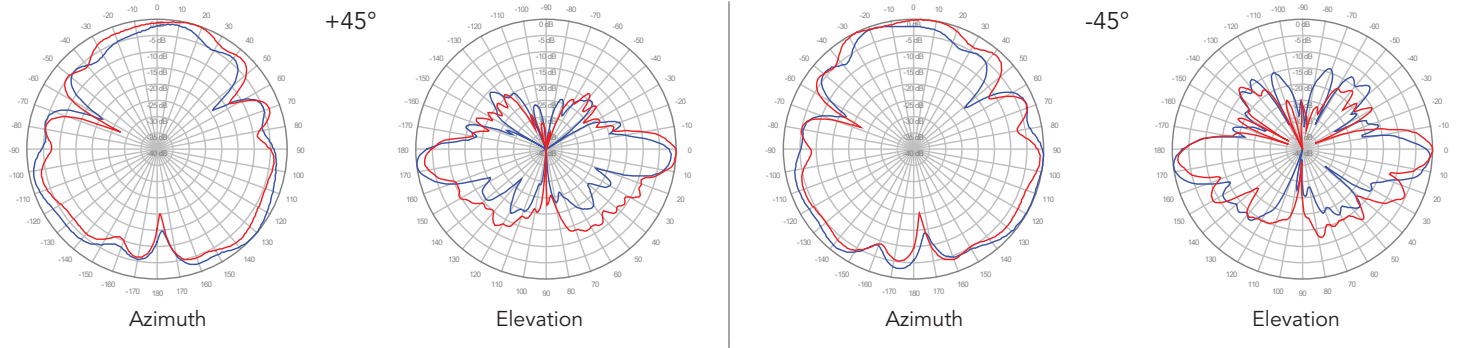


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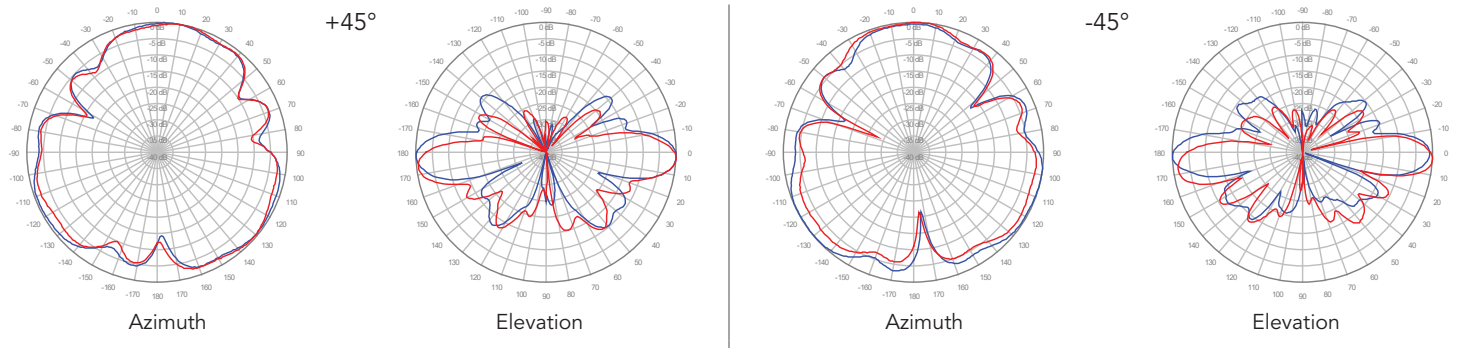
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3600 MHz ————
4000 MHz ————

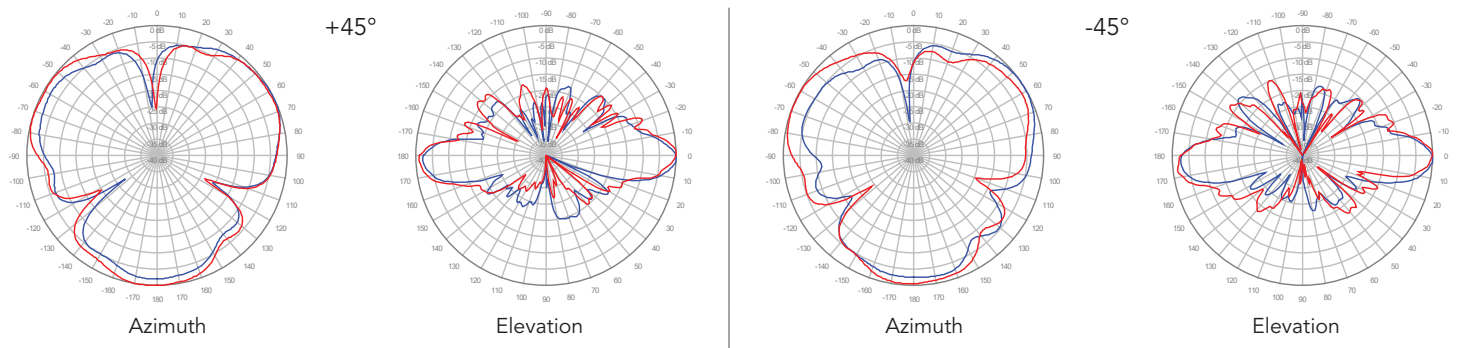
■ P1, 4° TILT



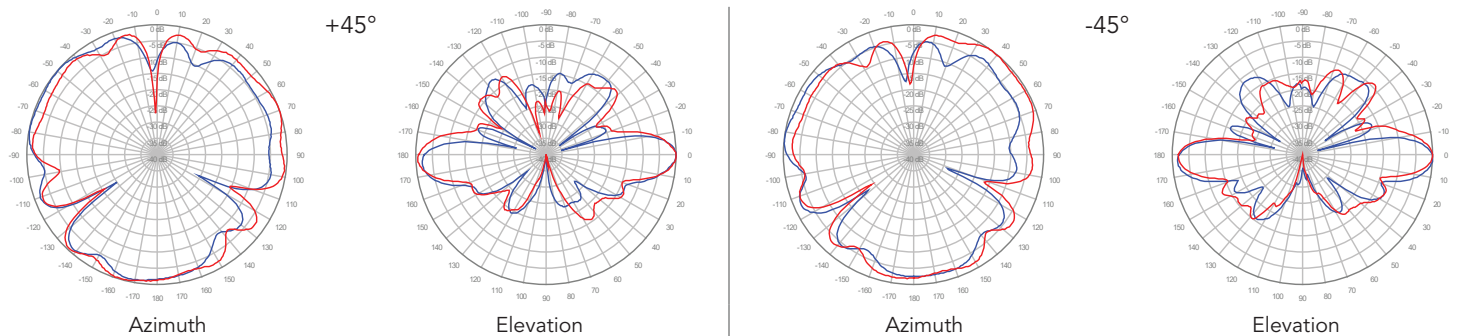
■ P2, 4° TILT



■ P3, 4° TILT



■ P4, 4° TILT



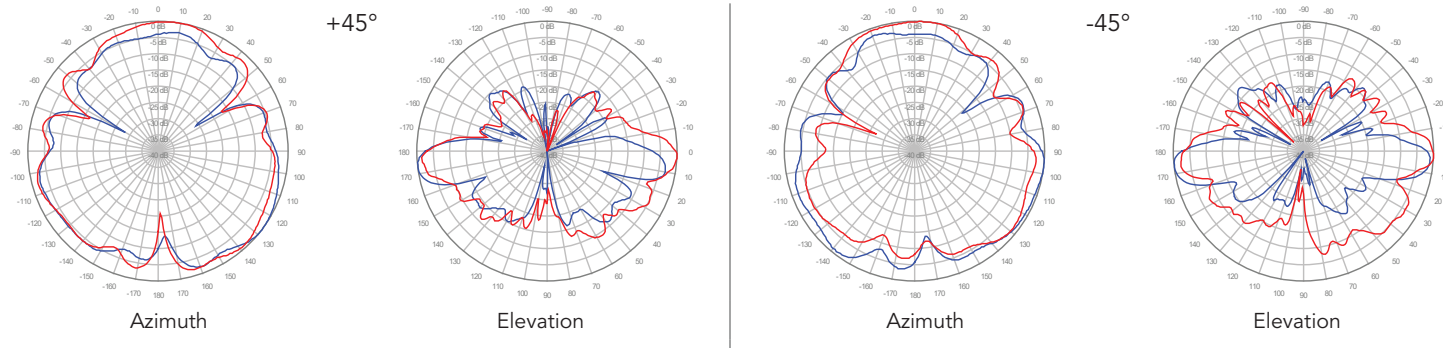
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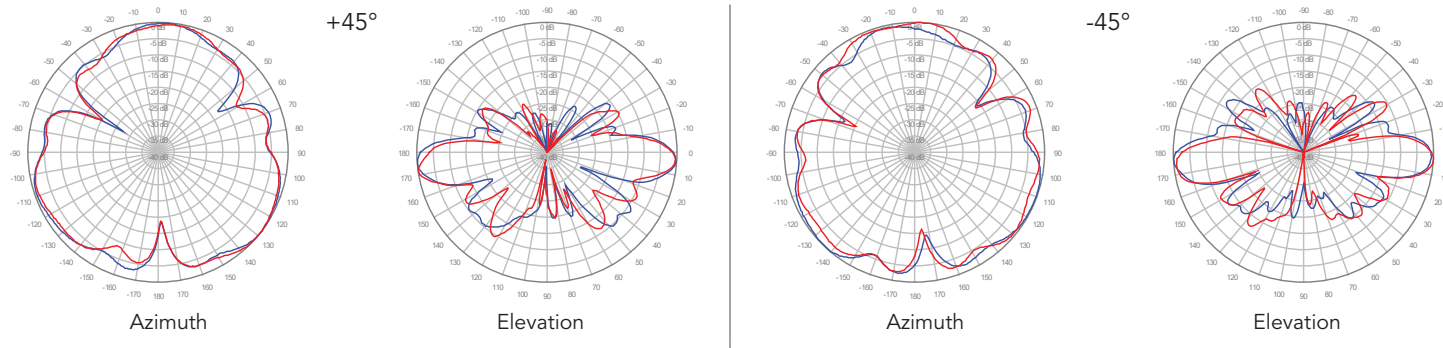
3600 MHz ———

4000 MHz ———

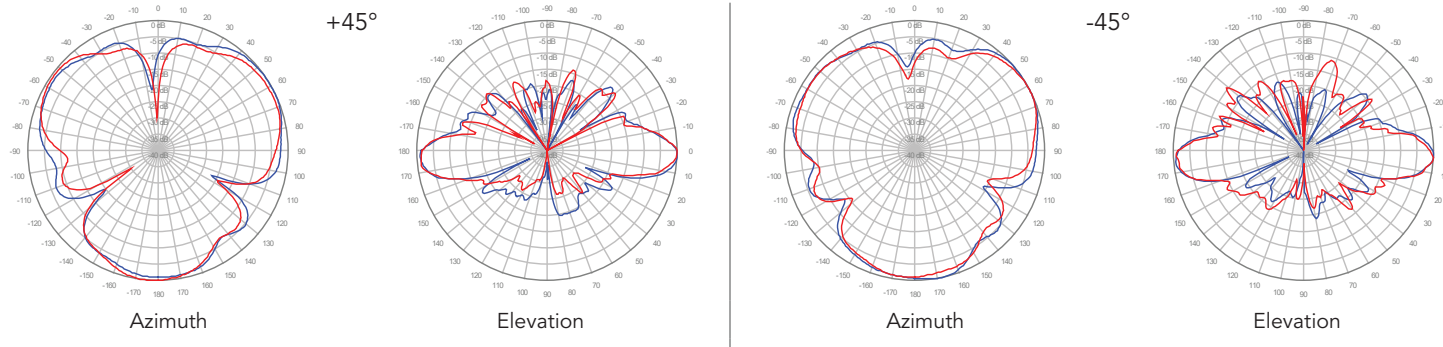
■ P1, 6° TILT



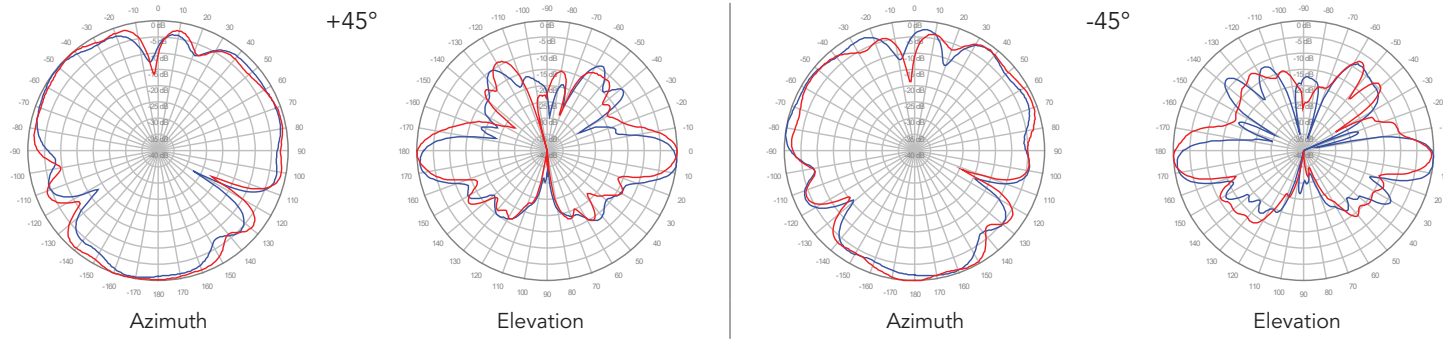
■ P2, 6° TILT



■ P3, 6° TILT



■ P4, 6° TILT



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