

2C6U2VT360X06Fwxys4



Features

- Pseudo omni configuration with 20 connectors
- Ideal for multi-carrier or 4x4 MIMO deployments
- Broadband networks 696-960, 1695-2700 and 3300-4200 MHz
- Easily removable lifting ring
- Improvements in gain, port isolation and VSWR

PRODUCT OVERVIEW	Frequency Range (MHz)	(2x) 696-960	(6x) 1695-2700	(2x) 3300-4200
	Array	■ R1 ■ R2	■ Y1 ■ Y2 ■ Y3 ■ Y4 ■ Y5 ■ Y6	■ P1 ■ P2
	Connector	4 PORTS	12 PORTS	4 PORTS
	Polarization	XPOL	XPOL	XPOL
	Azimuth Beamwidth (avg)	360°	360°	360°
	Electrical Downtilt	0°	0°, 2°, 4°, 6°	0°
	Configuration	OMNI CONFIGURATION		
	Maximum Continuous Power Per Port @ 50° C (122° F)	500 WATTS	300 WATTS	100 WATTS
	Maximum Total Continuous Power at 50° C (122° F)	6000 WATTS		
	Connector Type	(20x) 4.3-10 FEMALE		
	Dimensions	609 x Ø371 mm (24.0 x Ø14.6 in)		
	Radome Color Options	GREY, BROWN or BLACK		

ELECTRICAL SPECIFICATIONS

■ R1 ■ R2

Frequency Range		MHz	(2x) 696-960	
Frequency Sub-Range		MHz	696-806	806-960
Polarization		---	(2x) ±45°	
Gain	BASTA	dBi	4.4 ± 0.8	4.3 ± 1.3
	MAX	dBi	5.2	5.6
Azimuth Beamwidth (3 dB)		degrees	360°	360°
Elevation Beamwidth (3 dB)		degrees	76.2° ± 43.9°	71.3° ± 37.8°
Electrical Downtilt		degrees	(w) 0°	
Impedance		Ohms	50Ω	
VSWR		---	≤ 1.5:1	
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153	
Upper Sidelobe Suppression		dB	N/A	N/A
Isolation	Intraband	dB	> 25	
	Interband	dB	>28 same band; >30 different band	

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ELECTRICAL SPECIFICATIONS

■ Y1 ■ Y2 ■ Y3 ■ Y4 ■ Y5 ■ Y6

Frequency Range		MHz	(6x) 1695-2700			
Frequency Sub-Range		MHz	1695-1880	1850-1990	1920-2200	2300-2700
Polarization		---	(6x) $\pm 45^\circ$			
Gain	BASTA	dBi	5.8 ± 0.8	5.8 ± 0.9	5.9 ± 1.2	7.2 ± 1.0
	MAX	dBi	6.6	6.7	7.1	8.2
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	$38.3^\circ \pm 12.7^\circ$	$36.8^\circ \pm 14.7^\circ$	$36.8^\circ \pm 13.0^\circ$	$30.5^\circ \pm 7.9^\circ$
Electrical Downtilt		degrees	(x) $0^\circ, 2^\circ, 4^\circ, 6^\circ$			
Impedance		Ohms	50 Ω			
VSWR		---	$\leq 1.5:1$			
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153			
Upper Sidelobe Suppression		dB	N/A	N/A	N/A	N/A
Isolation	Intraband	dB	> 25			
	Interband	dB	>28 same band; >30 different band			

ELECTRICAL SPECIFICATIONS

■ P1 ■ P2

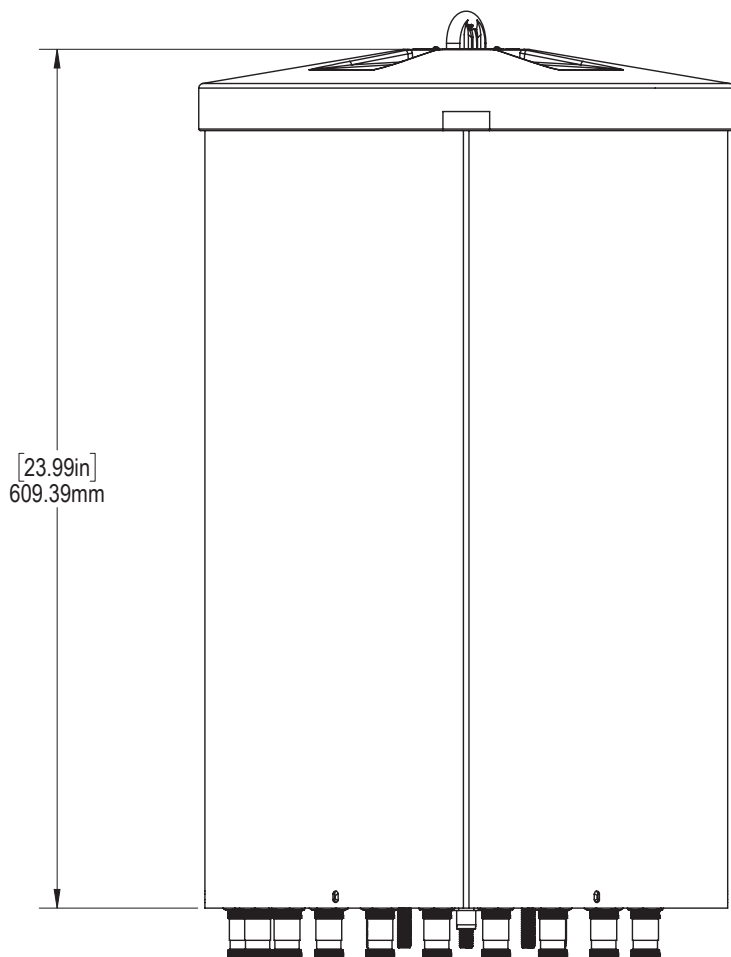
Frequency Range		MHz	(2x) 3300-4200		
		MHz	3300-3550	3550-3700	3700-4200
Polarization		---	(2x) $\pm 45^\circ$		
Gain	BASTA	dBi	7.9 ± 0.8	8.8 ± 1.4	10.1 ± 1.0
	MAX	dBi	8.7	10.2	11.1
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	$19.9 \pm 2.2^\circ$	$18.6 \pm 2.0^\circ$	$18.0 \pm 2.9^\circ$
Electrical Downtilt		degrees	(y) 0°		
Impedance		Ohms	50 Ω		
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		

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MECHANICAL SPECIFICATIONS

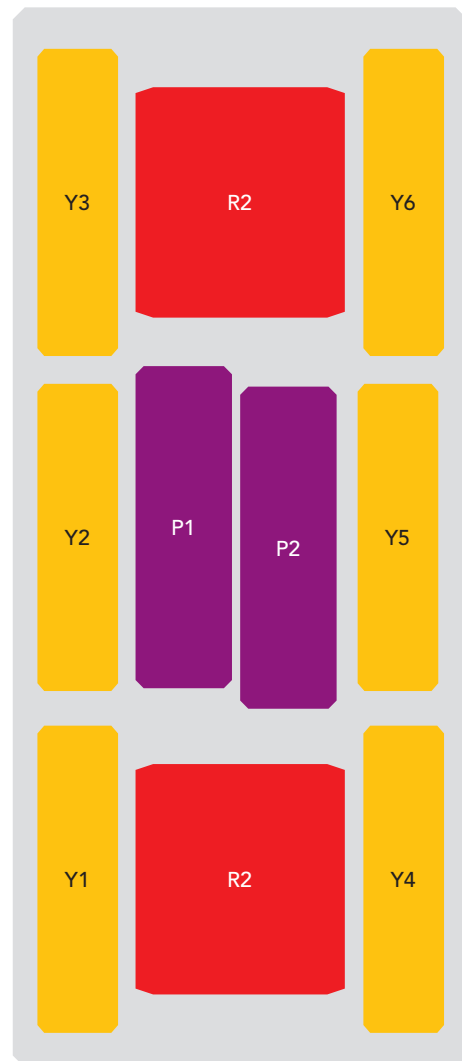
Antenna	Height	mm (in)	609 (24.0)
	Diameter	mm (in)	371 (14.6)
Net Weight - Antenna Only		kg (lbs)	12.7 (28.0)
Windload	Calculation	km/h (mph)	160 (100)
	Frontal	N (lbf)	191 (43)
Survival Wind Speed		km/h (mph)	241 (150)
Wind Area		m ² (ft ²)	0.22 (2.4)
Volume		m ³ (ft ³)	0.07 (2.3)
Connector	Type	---	(20x) 4.3-10 Female
	Position	---	Bottom
Radome Color		---	Grey (RAL 7035) Brown (RAL 8022) Black (RAL 9011)
Lightning Protection (Grounding Type)		---	Direct Ground



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ARRAY LAYOUT Topology

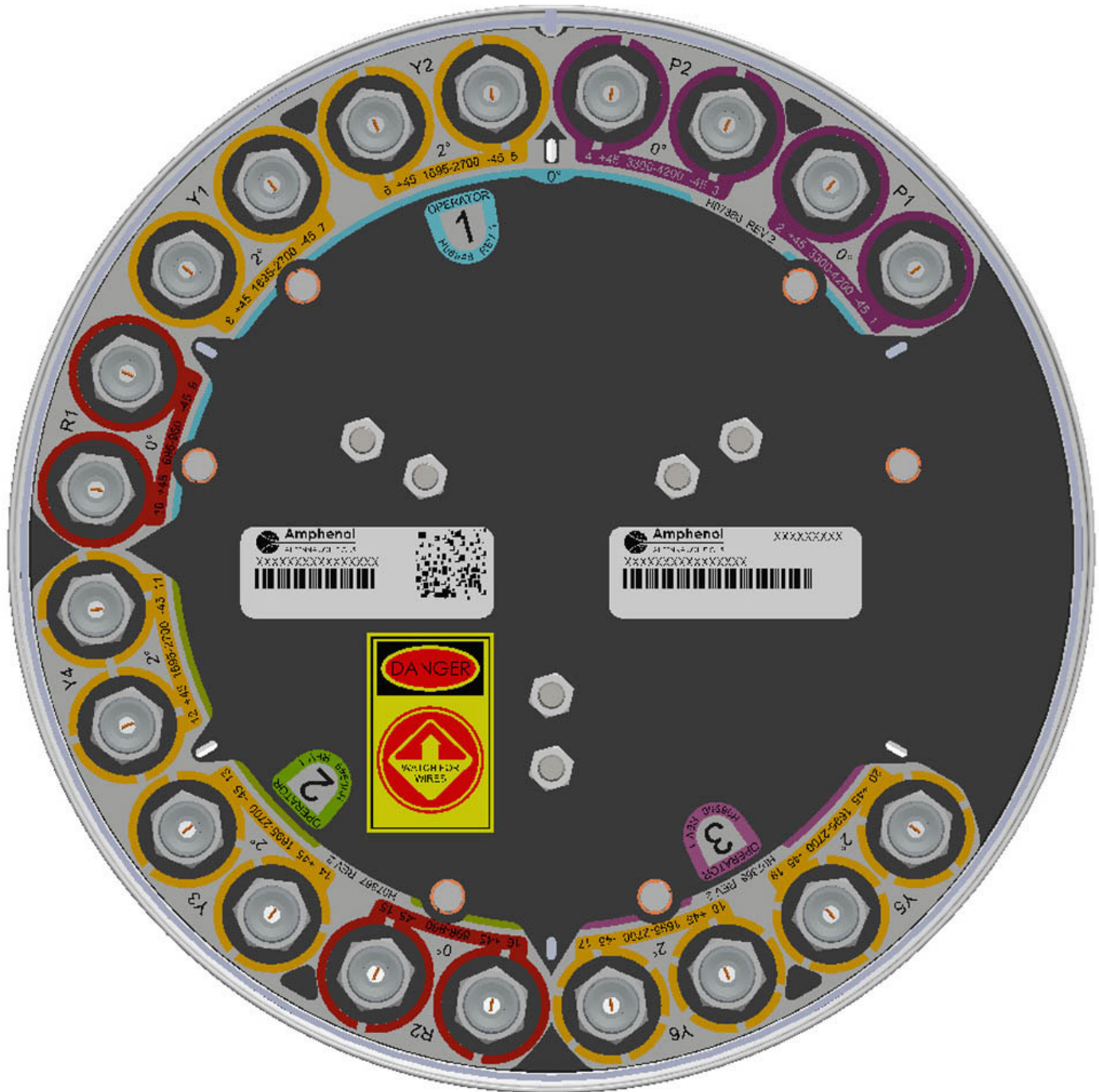
FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
696-960 MHz	■ R1	9-10	(2x) 4.3-10 Female
696-960 MHz	■ R2	15-16	(2x) 4.3-10 Female
1695-2700 MHz	■ Y1	7-8	(2x) 4.3-10 Female
1695-2700 MHz	■ Y2	5-6	(2x) 4.3-10 Female
1695-2700 MHz	■ Y3	13-14	(2x) 4.3-10 Female
1695-2700 MHz	■ Y4	11-12	(2x) 4.3-10 Female
1695-2700 MHz	■ Y5	19-20	(2x) 4.3-10 Female
1695-2700 MHz	■ Y6	17-18	(2x) 4.3-10 Female
3300-4200 MHz	■ P1	1-2	(2x) 4.3-10 Female
3300-4200 MHz	■ P2	3-4	(2x) 4.3-10 Female



The illustration is not shown to scale.

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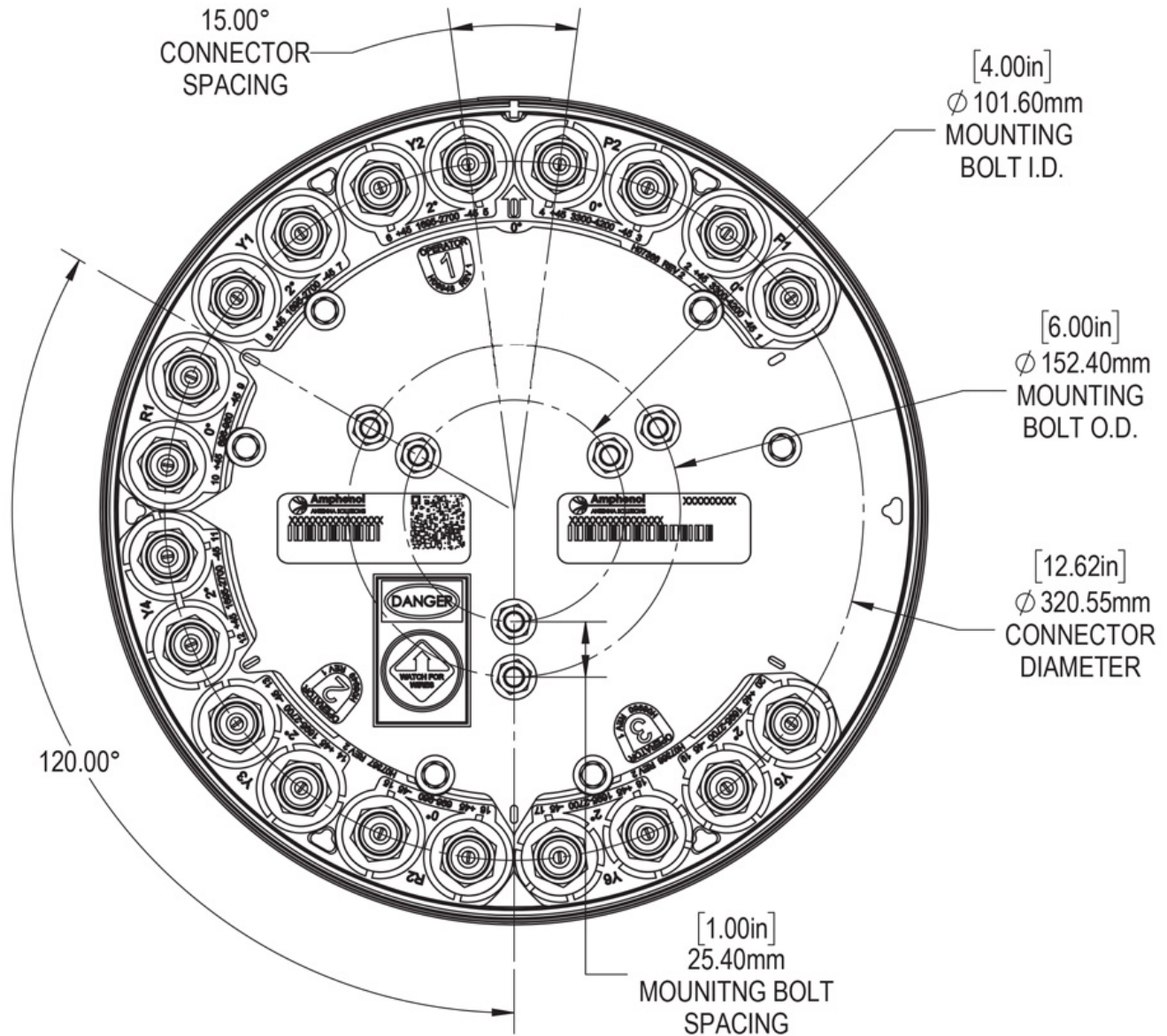
BOTTOM VIEW - LABELING



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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
CWT-MKS-BASE-xx		WIDE DIAMETER POLE TOP MOUNTING BRACKET KIT FOR CANISTER ANTENNA. AVAILABLE IN BROWN, BLACK AND GREY TO MATCH ANTENNA RADOME AND/OR MOUNTING STRUCTURE.

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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
2C	6U	2V	T	360	X	06	F	wxy	s	4	BK BR
(2x) 696-960	(6x) 1695-2700	(2x) 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			MODEL NUMBER
	696-960 MHz	1695-2700 MHz	3300-4200 MHz	
Grey RAL 7035	0°	0°	0°	2C6U2VT360X06F000s4
	0°	2°	0°	2C6U2VT360X06F020s4
	0°	4°	0°	2C6U2VT360X06F040s4
	0°	6°	0°	2C6U2VT360X06F060s4
Brown RAL 8022	0°	0°	0°	2C6U2VT360X06F000s4BR
	0°	2°	0°	2C6U2VT360X06F020s4BR
	0°	4°	0°	2C6U2VT360X06F040s4BR
	0°	6°	0°	2C6U2VT360X06F060s4BR
Black RAL 9011	0°	0°	0°	2C6U2VT360X06F000s4BK
	0°	2°	0°	2C6U2VT360X06F020s4BK
	0°	4°	0°	2C6U2VT360X06F040s4BK
	0°	6°	0°	2C6U2VT360X06F060s4BK

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OMNI

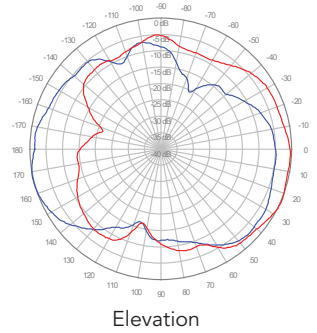
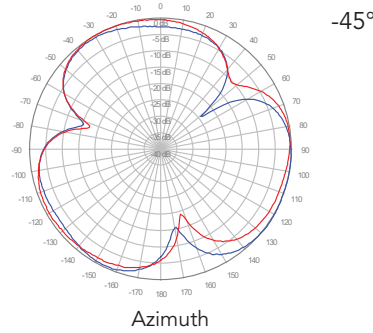
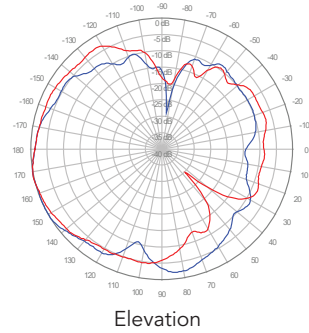
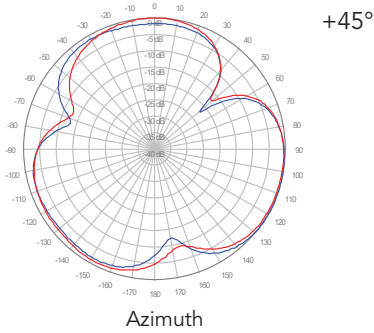
24 IN

FIXED TILT

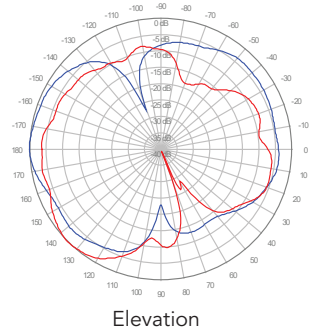
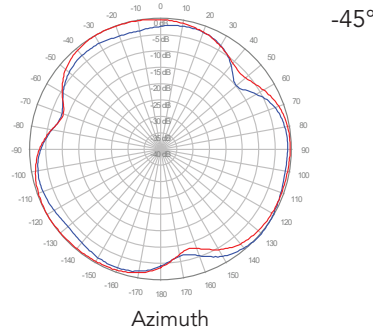
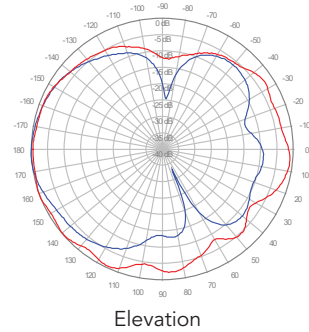
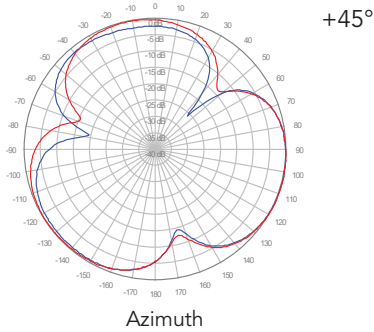
750 MHz ————
850 MHz ————

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■ R1, 0° TILT



■ R2, 0° TILT



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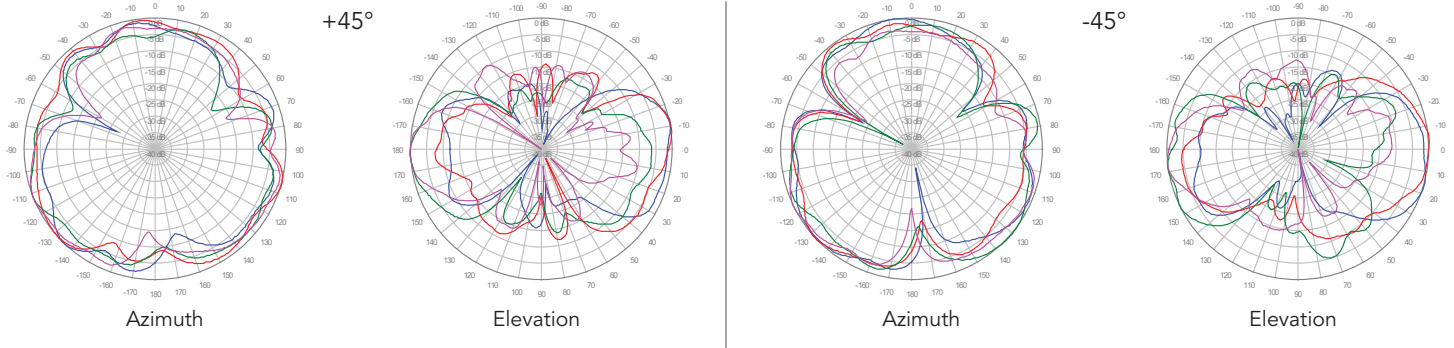
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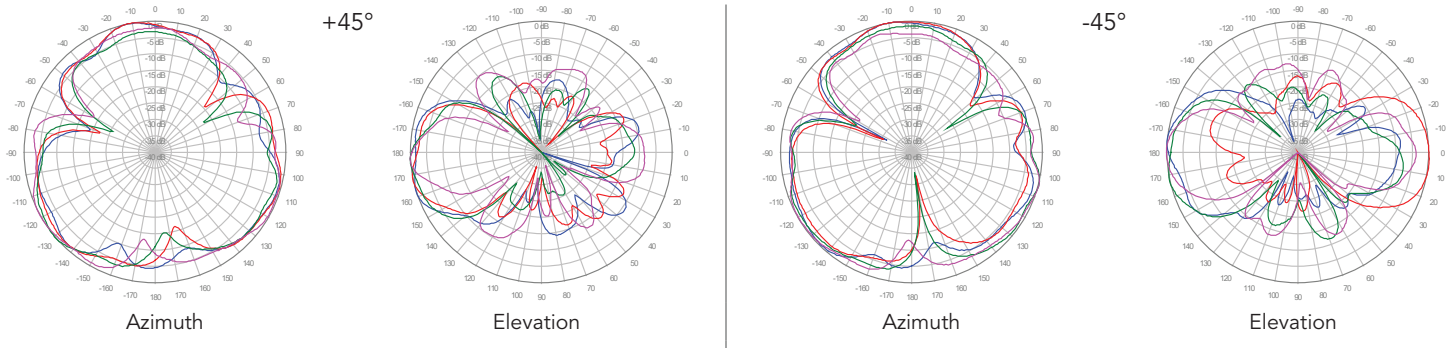
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1800 MHz ————
1900 MHz ————
2100 MHz ————
2600 MHz ————

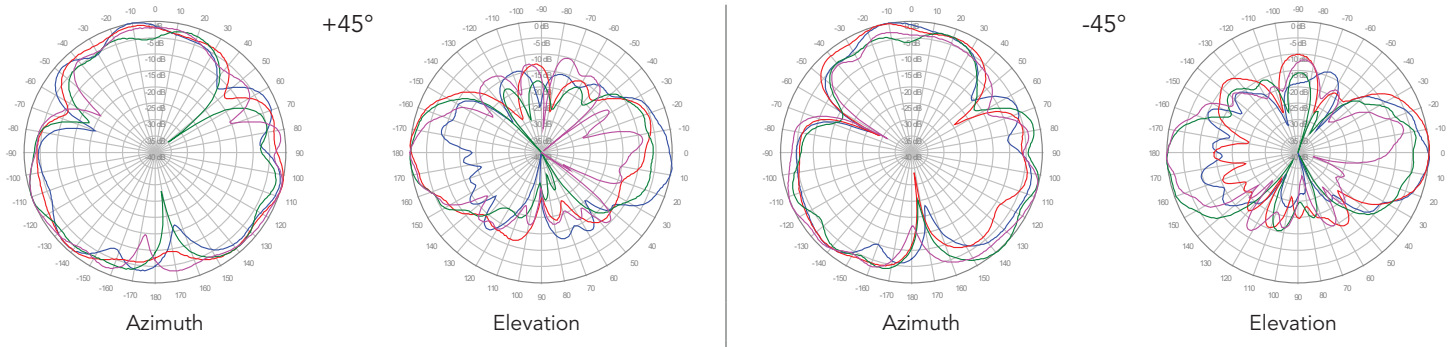
■ Y1, 2° TILT



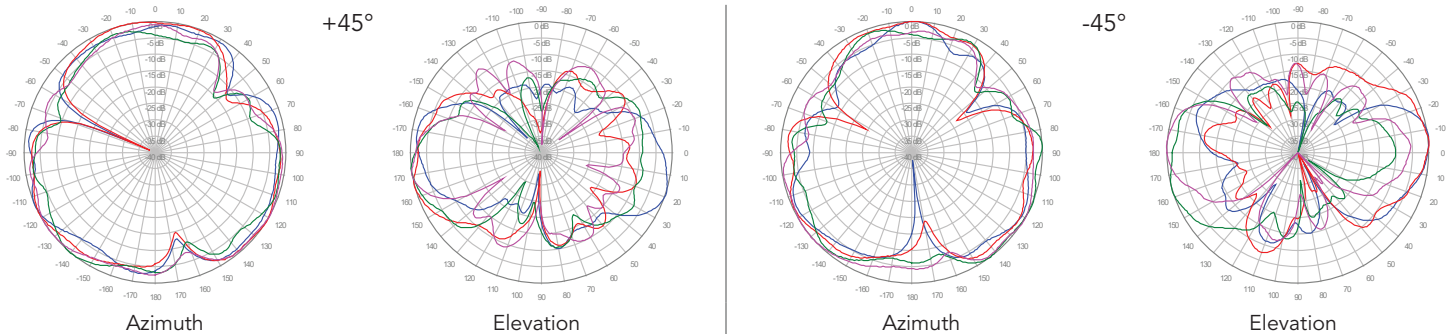
■ Y2, 2° TILT



■ Y3, 2° TILT



■ Y4, 2° TILT



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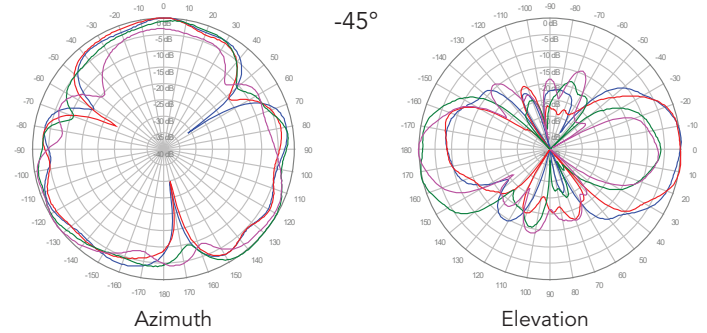
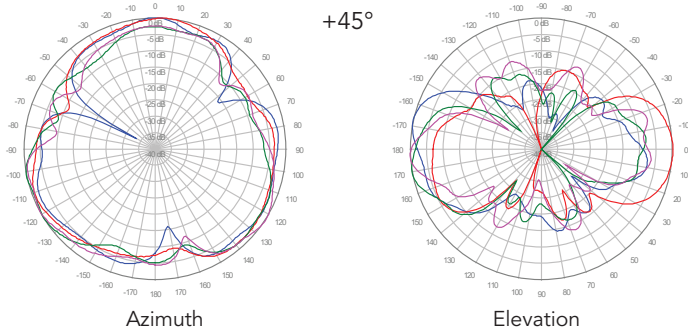
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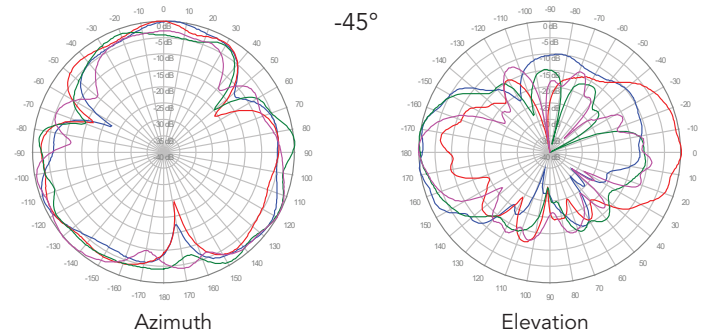
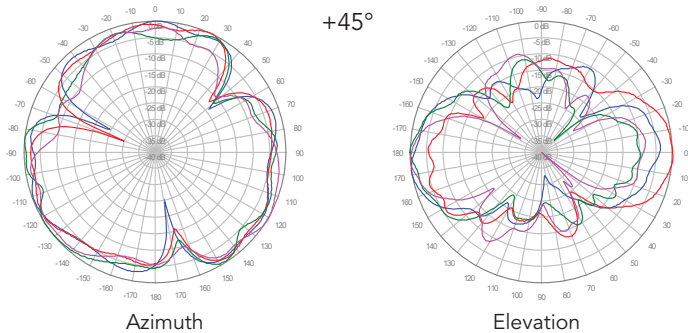
2C6U2VT360X06Fwxys4

1800 MHz ————
1900 MHz ————
2100 MHz ————
2600 MHz ————

■ Y5, 2° TILT



■ Y6, 2° TILT



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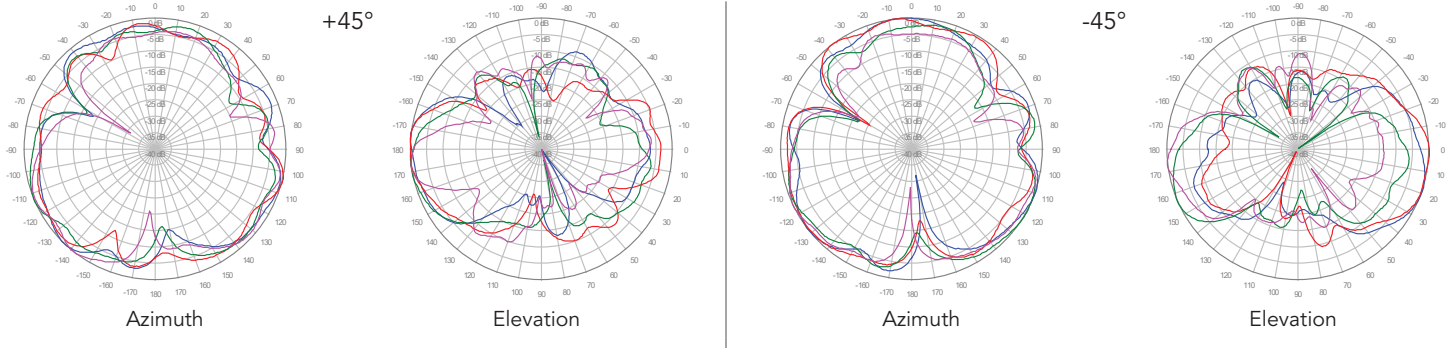
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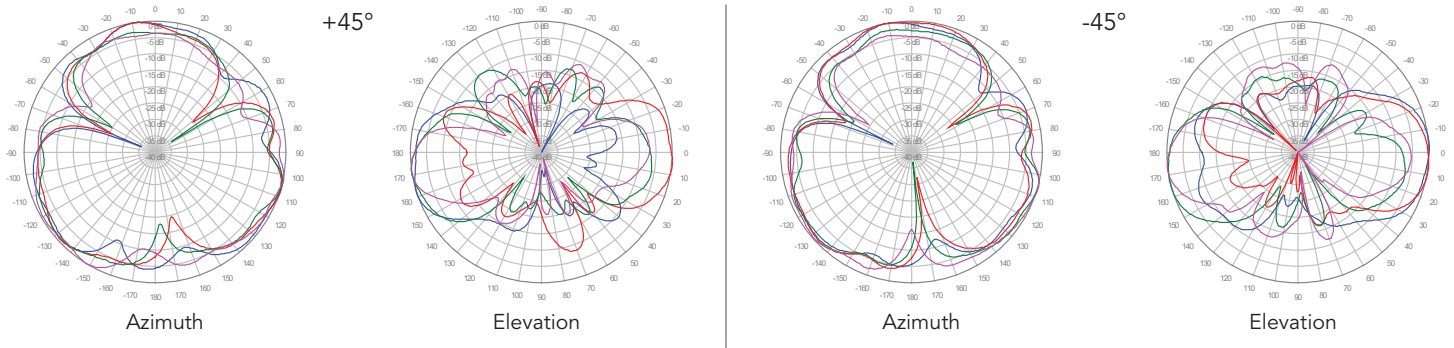
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1800 MHz ————
1900 MHz ————
2100 MHz ————
2600 MHz ————

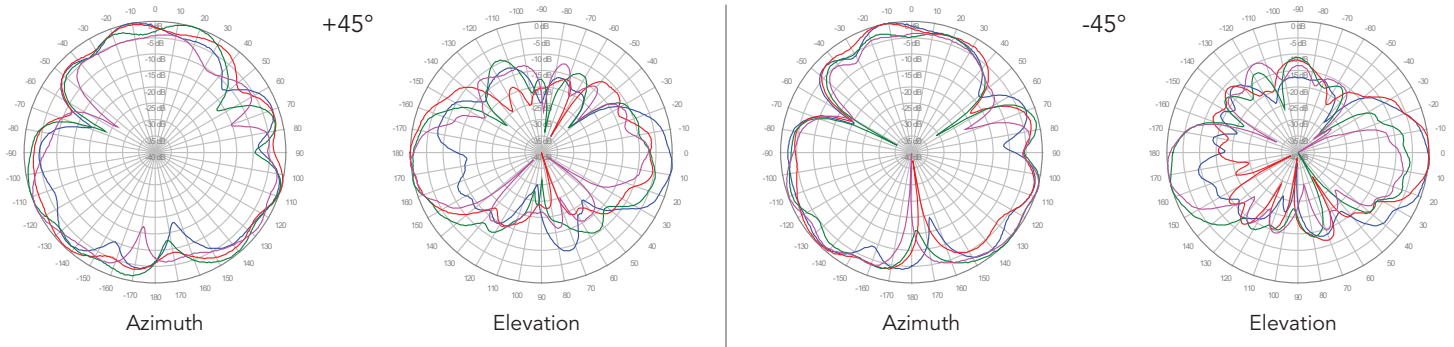
Y1, 4° TILT



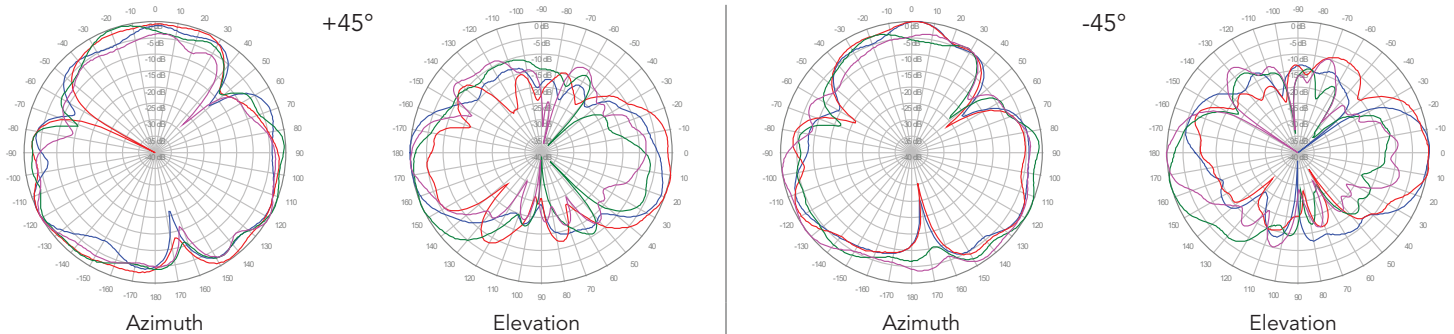
Y2, 4° TILT



Y3, 4° TILT



Y4, 4° TILT



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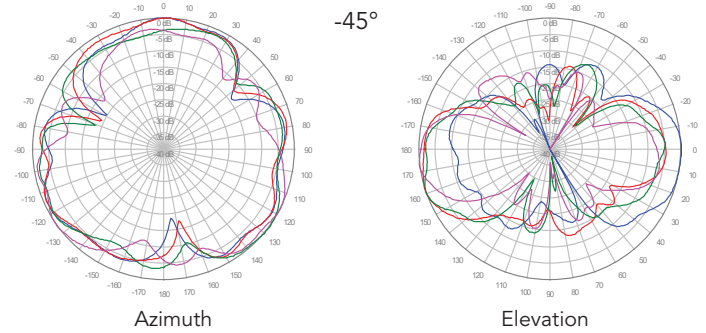
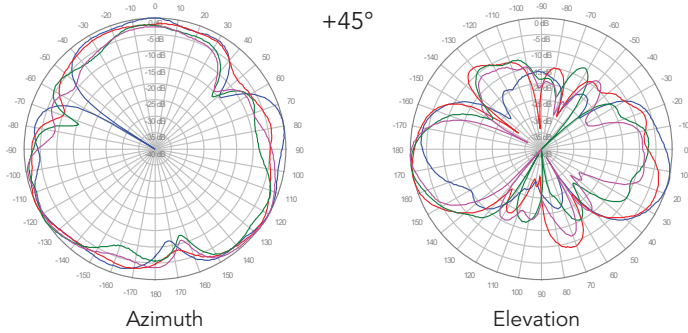
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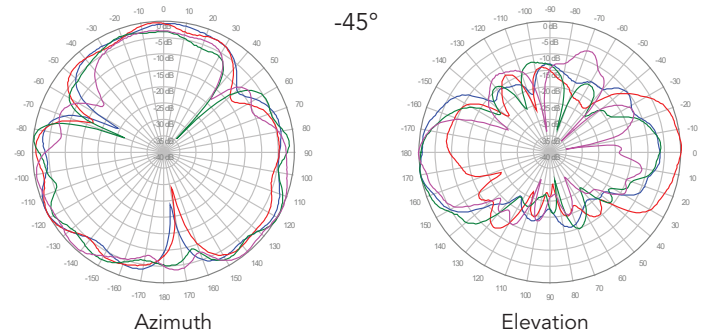
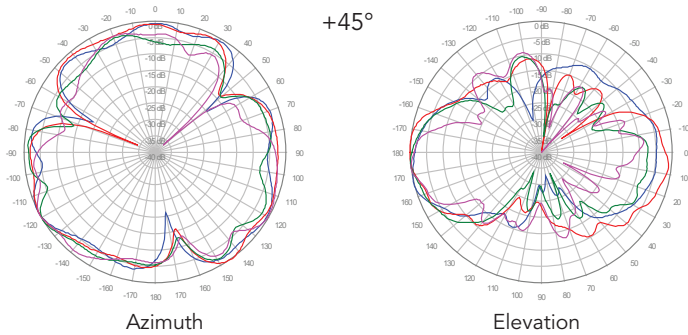
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1800 MHz ————
1900 MHz ————
2100 MHz ————
2600 MHz ————

■ Y5, 4° TILT



■ Y6, 4° TILT



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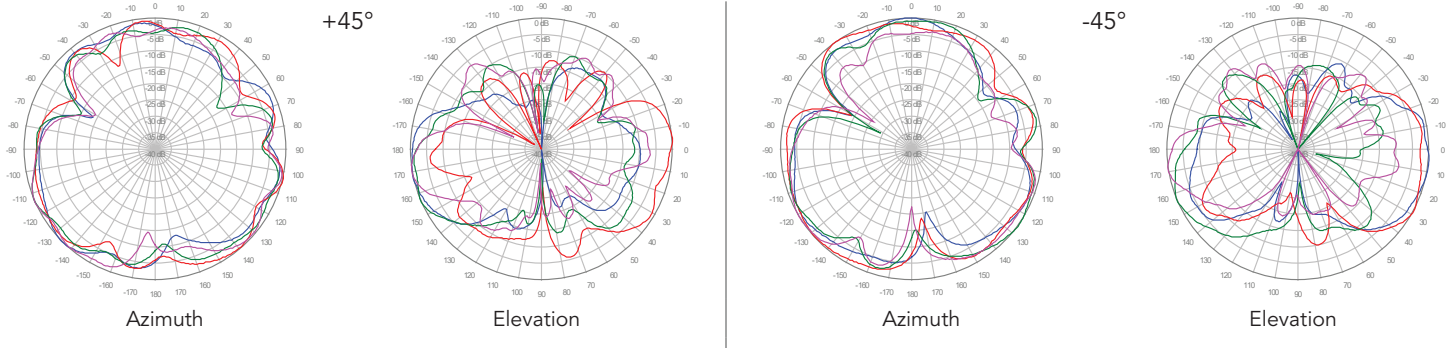
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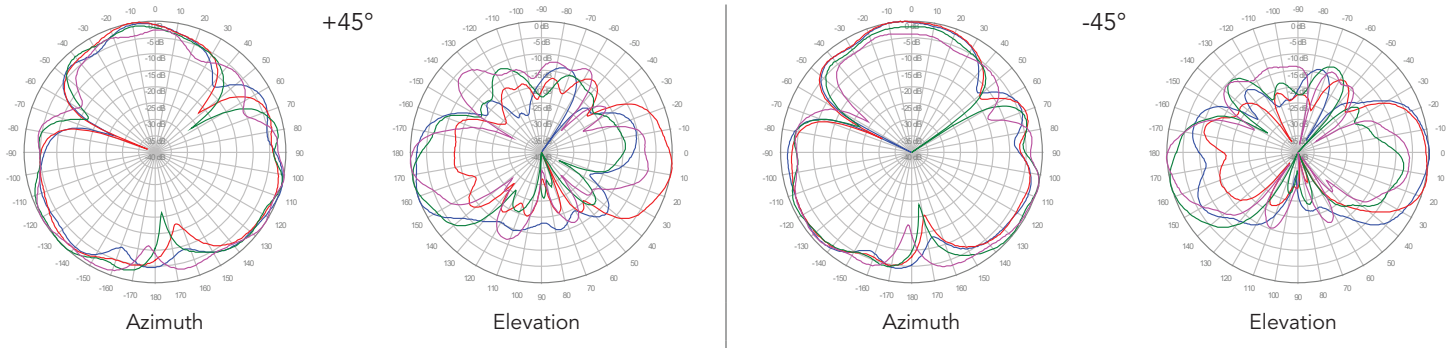
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1800 MHz ————
1900 MHz ————
2100 MHz ————
2600 MHz ————

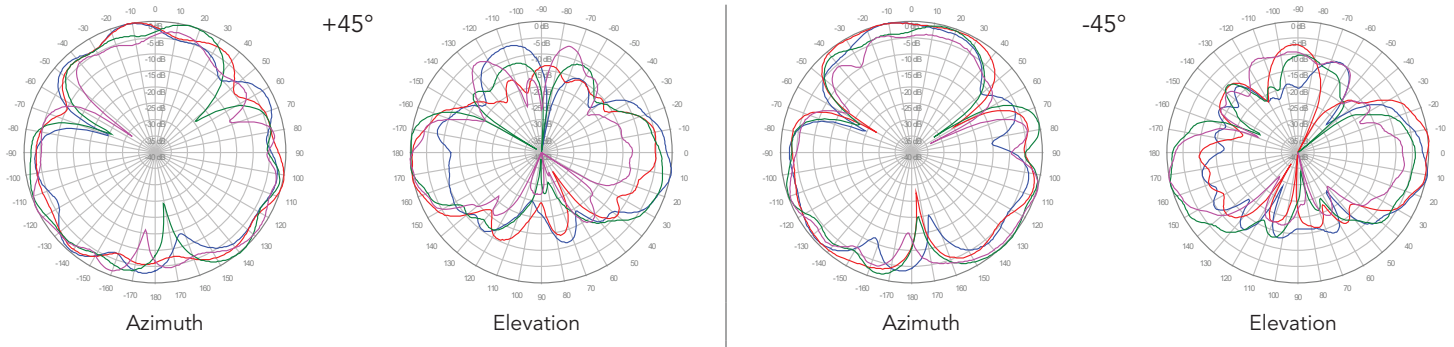
■ Y1, 6° TILT



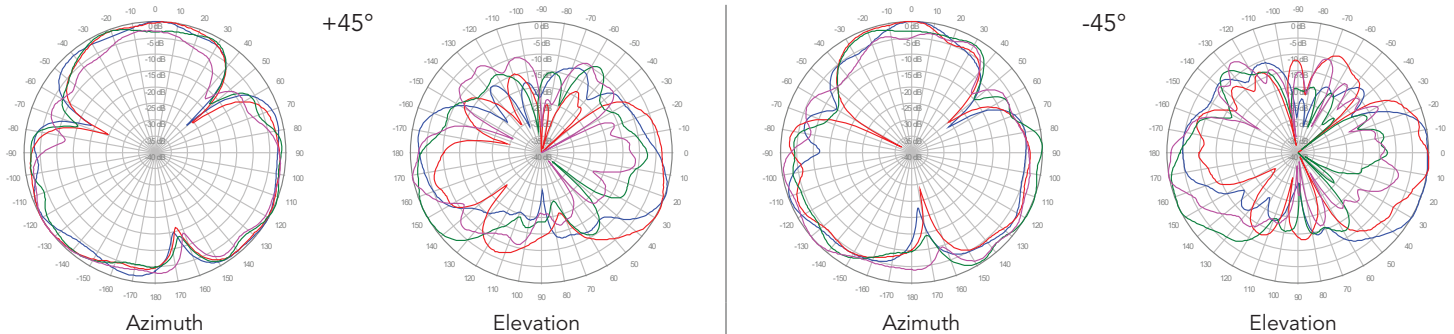
■ Y2, 6° TILT



■ Y3, 6° TILT



■ Y4, 6° TILT



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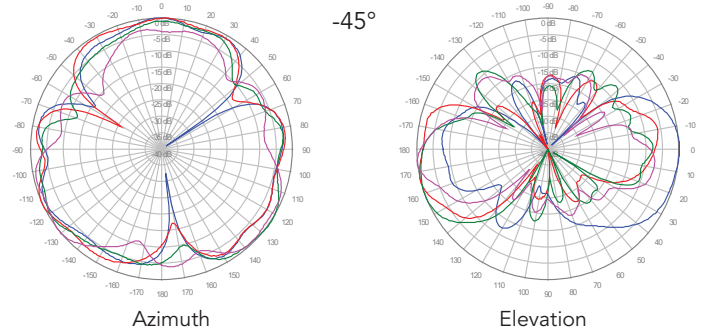
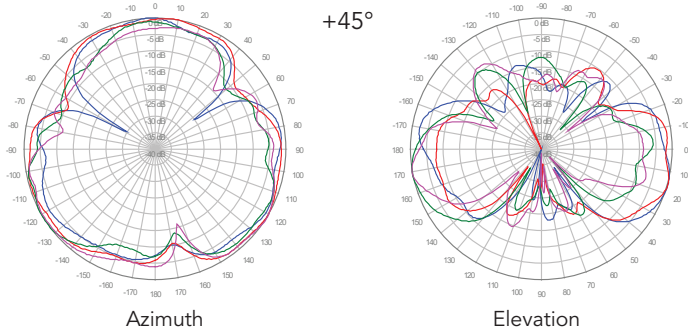
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FIXED TILT

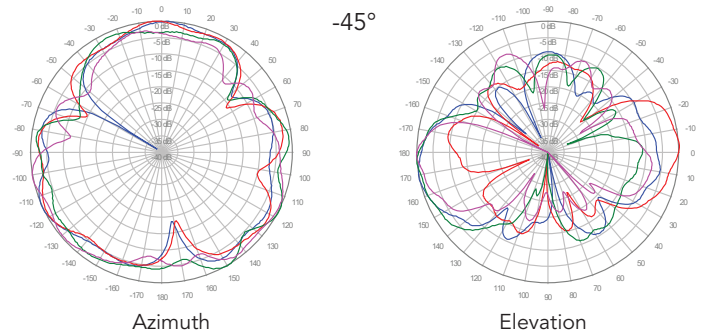
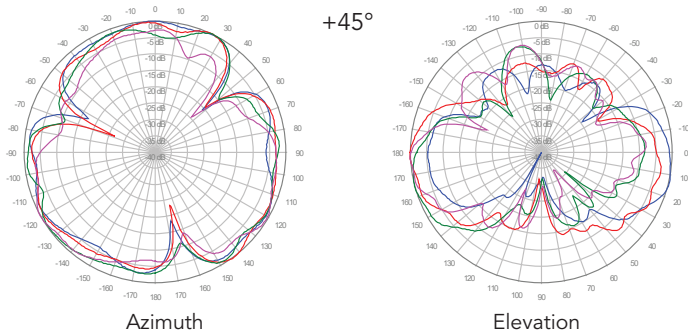
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1800 MHz ————
1900 MHz ————
2100 MHz ————
2600 MHz ————

■ Y5, 6° TILT

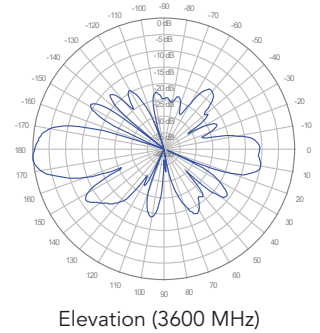
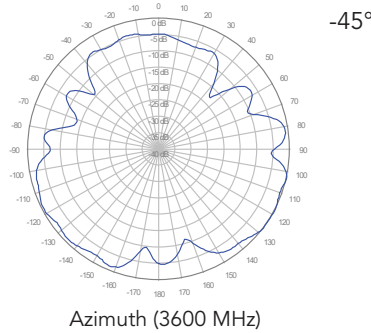
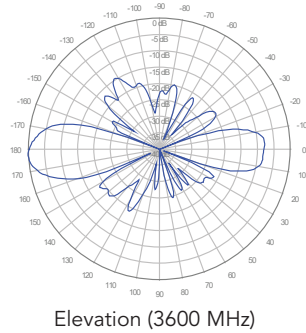
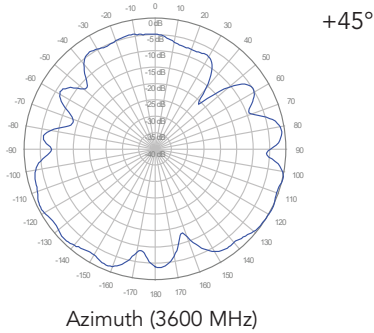


■ Y6, 6° TILT



2C6U2VT360X06Fwxys4

P1, 0° TILT



P2, 0° TILT

