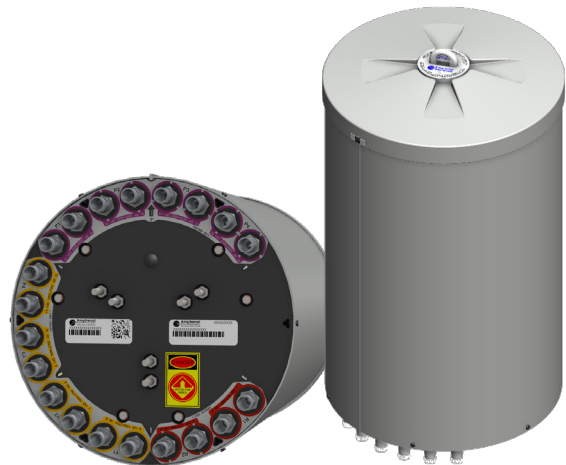


2L4U4VT360X06Fwxys4

Features

- Pseudo omni configuration with 20 connectors
- Ideal for multi-carrier or MIMO deployments
- Broadband networks 617-906, 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) 617-906	(4x) 1695-2700	(4x) 3300-4200
	Array	■ R1 ■ R2	■ Y1 ■ Y2 ■ Y3 ■ Y4	■ P1 ■ P2 ■ P3 ■ P4
	Connector	4 PORTS	8 PORTS	8 PORTS
	Polarization	XPOL	XPOL	XPOL
	Azimuth Beamwidth (avg)	360°	360°	360°
	Electrical Downtilt	0°	2°, 4°, 6°	0°
	Configuration	OMNI CONFIGURATION		
	Maximum Continuous Power Per Port @ 50° C (122° F)	500 W	300 W	100 W
	Maximum Total Continuous Power at 50° C (122° F)	5200 W		
	Connector Type	(20x) 4.3-10 FEMALE		
Dimensions	607 x Ø371 mm (23.9 x Ø14.6 in)			
Radome Color Options	GREY, BROWN or BLACK			

ELECTRICAL SPECIFICATIONS

■ R1 ■ R2

Frequency Range	MHz	(2x) 617-906	
Frequency Sub-Range	MHz	617-806	806-906
Polarization	---	(2x) ±45°	
Gain	BASTA	dBi	4.8 ± 0.9
	MAX	dBi	5.7
Azimuth Beamwidth (3 dB)	degrees	360°	
Elevation Beamwidth (3 dB)	degrees	61° ± 16.3°	48.6° ± 13.9°
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	
Isolation	Intraband	dB	> 25
	Interband	dB	>28 same band; >30 different band

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OMNI
23.9 IN
FIXED TILT

2L4U4VT360X06FwxyS4

ELECTRICAL SPECIFICATIONS

■ Y1 ■ Y2 ■ Y3 ■ Y4

Frequency Range		MHz	(4x) 1695-2700			
Frequency Sub-Range		MHz	1695-1880	1850-1990	1920-2200	2300-2700
Polarization		---	(4x) ±45°			
Gain	BASTA	dBi	6.2 ± 1.0	6.3 ± 1.1	6.3 ± 1.3	6.6 ± 1.3
	MAX	dBi	7.2	7.4	7.6	7.9
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	32.1° ± 6°	29.4° ± 6.1°	30.1° ± 8.1°	27.1° ± 9.1°
Electrical Downtilt		degrees	(x) 2°, 4°, 6°			
Impedance		Ohms	50Ω			
VSWR		---	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			

ELECTRICAL SPECIFICATIONS

■ P1 ■ P2 ■ P3 ■ P4

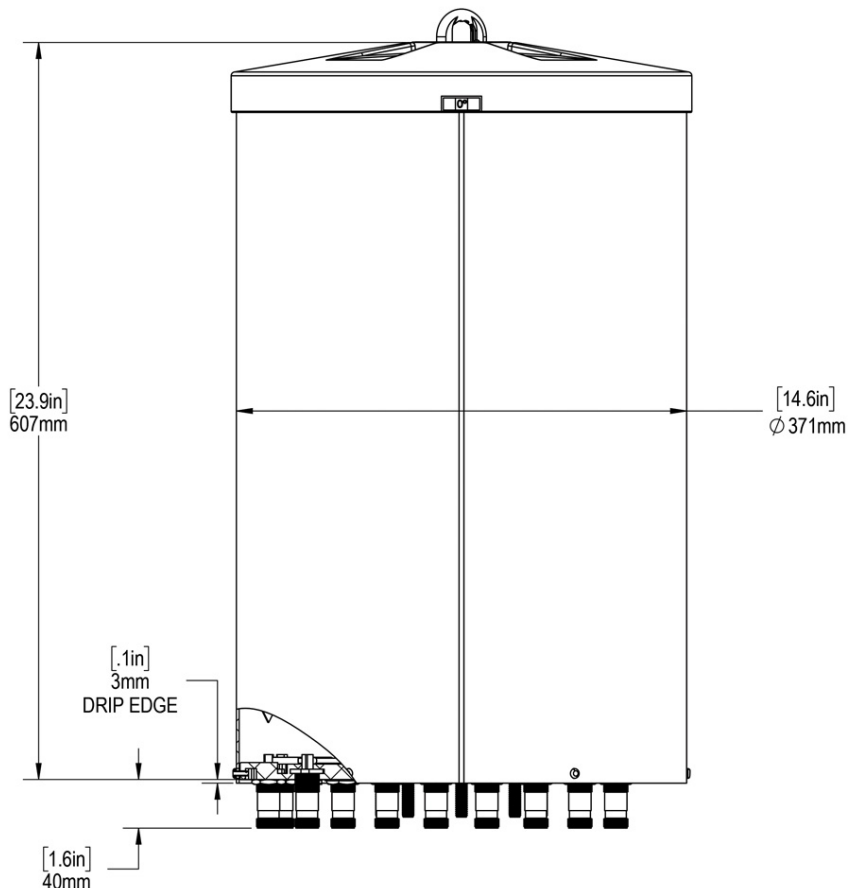
Frequency Range		MHz	(4x) 3300-4200		
Frequency Sub-Range		MHz	3300-3550	3550-3700	3700-4200
Polarization		---	(4x) ±45°		
Gain	BASTA	dBi	6.0 ± 0.8	6.1 ± 0.8	7.0 ± 1.7
	MAX	dBi	6.8	6.9	8.7
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	25.3° ± 5.9°	25.9° ± 7°	25.1° ± 6.3°
Electrical Downtilt		degrees	(y) 0°		
Impedance		Ohms	50Ω		
VSWR		---	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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2L4U4VT360X06Fwxys4

MECHANICAL SPECIFICATIONS

Antenna	Height	mm (in)	607 (23.9)
	Diameter	mm (in)	371 (14.6)
Net Weight - Antenna Only		kg (lbs)	13 (29.0)
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

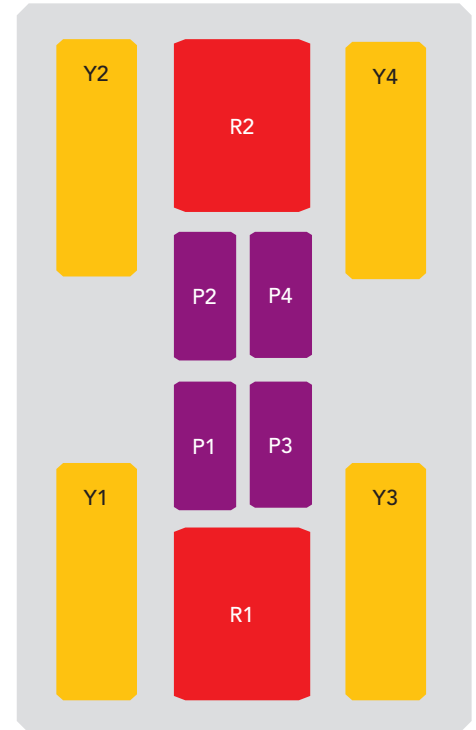


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2L4U4VT360X06Fwxys4

ARRAY LAYOUT Topology

FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
617-906 MHz	■ R1	1-2	(2x) 4.3-10 Female
617-906 MHz	■ R2	3-4	(2x) 4.3-10 Female
1695-2700 MHz	■ Y1	5-6	(2x) 4.3-10 Female
1695-2700 MHz	■ Y2	7-8	(2x) 4.3-10 Female
1695-2700 MHz	■ Y3	9-10	(2x) 4.3-10 Female
1695-2700 MHz	■ Y4	11-12	(2x) 4.3-10 Female
3300-4200 MHz	■ P1	13-14	(2x) 4.3-10 Female
3300-4200 MHz	■ P2	15-16	(2x) 4.3-10 Female
3300-4200 MHz	■ P3	17-18	(2x) 4.3-10 Female
3300-4200 MHz	■ P4	19-20	(2x) 4.3-10 Female

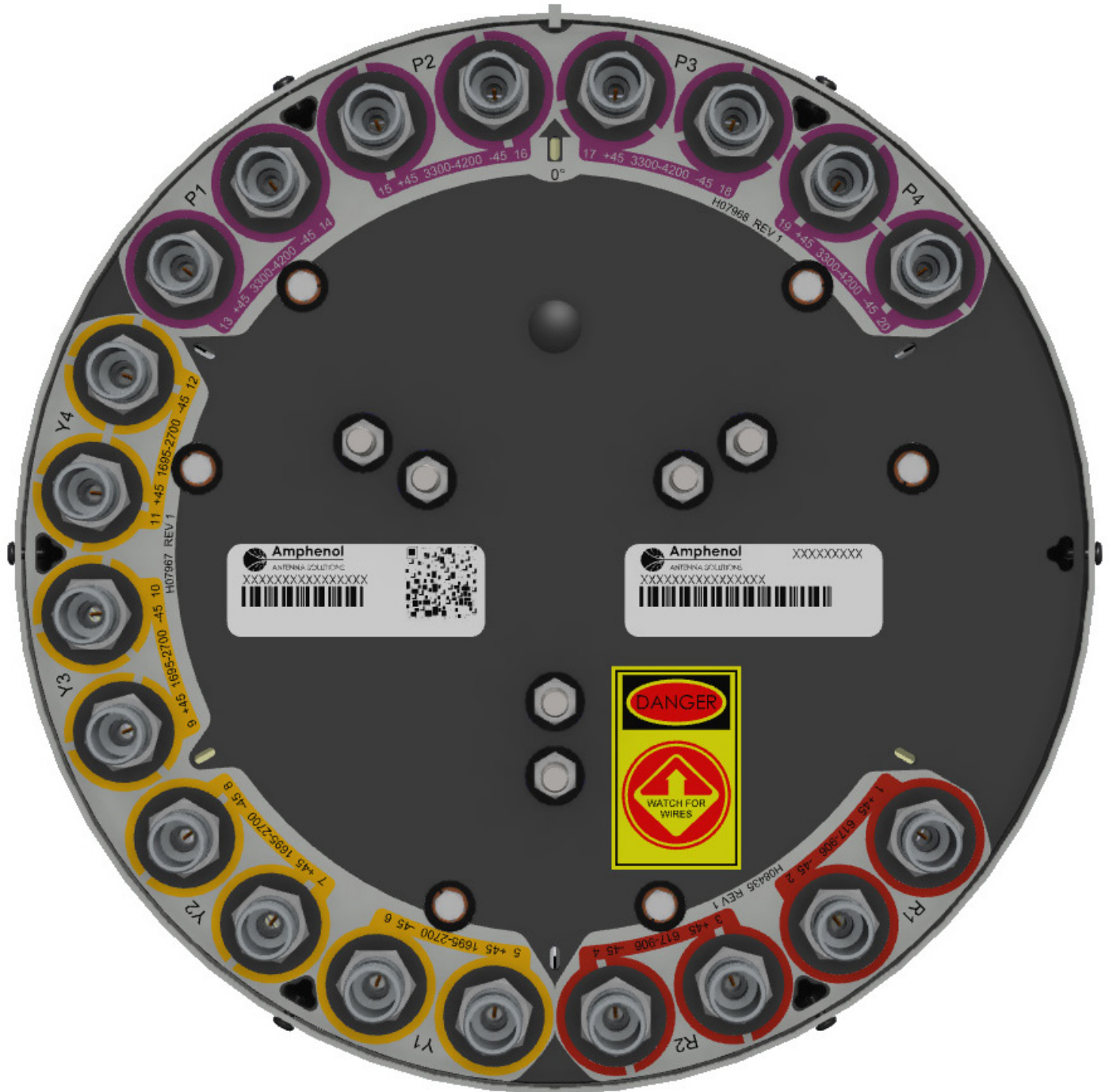


The illustration is not shown to scale.

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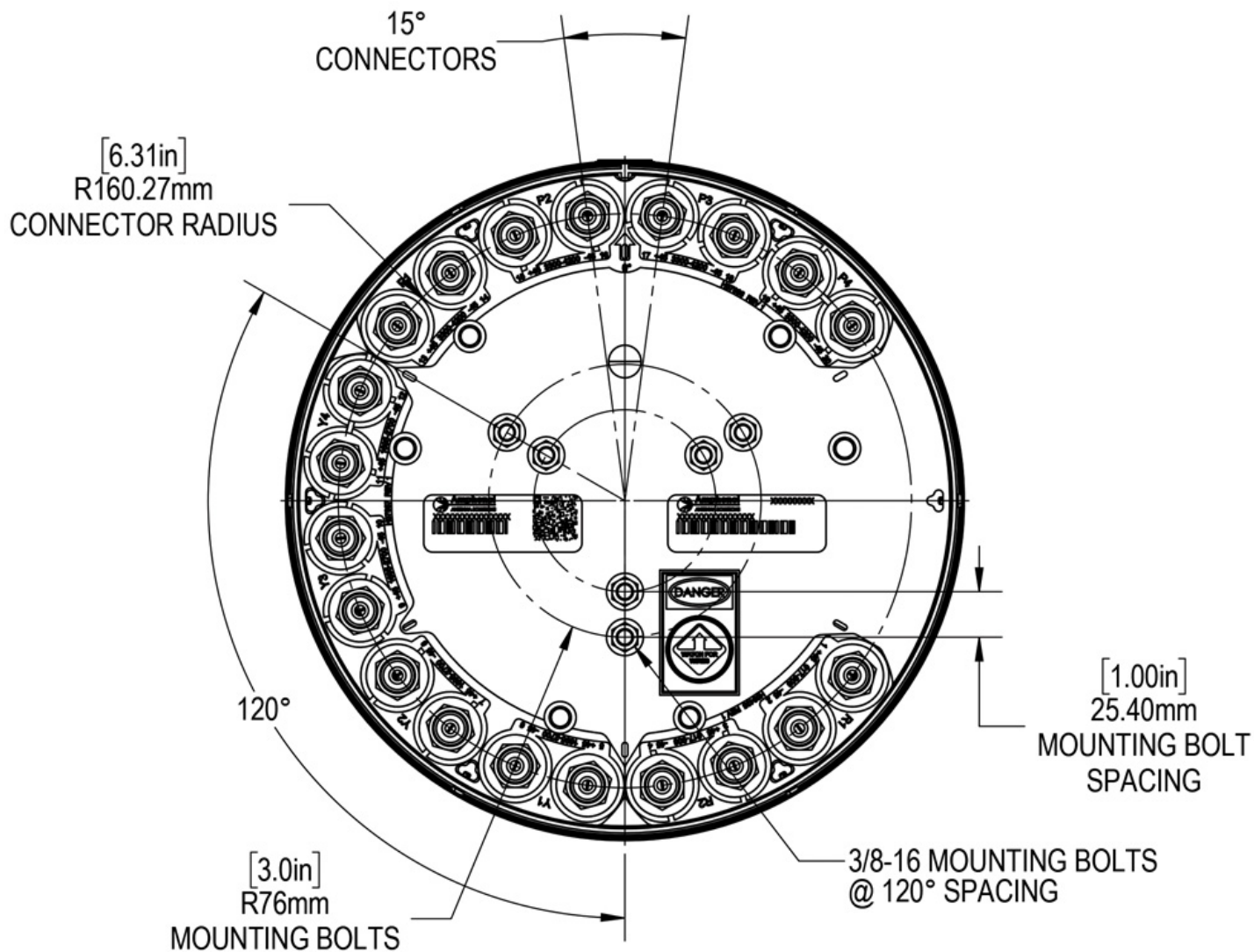
BOTTOM VIEW - LABELING



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2L4U4VT360X06Fwxys4

BOTTOM VIEW - CONNECTOR DIAGRAM



INSTALLATION Please read all installation notes before installing this product.



Always attach the antenna using all mounting points.

Do not install the antenna with the connectors facing upwards.

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2L4U4VT360X06Fwxys4

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	 <p>SIDE MOUNTING BRACKET KIT FOR CANISTER ANTENNA</p>
CWT-MKS-TOP	 <p>TOP MOUNTING BRACKET KIT FOR CANISTER ANTENNA</p>
WB3X-MKS-01	 <p>UTILITY POLE MOUNTING BRACKET KIT FOR CANISTER ANTENNA</p>
CWT-MKS-BASE-xx	 <p>WIDE DIAMETER POLE TOP MOUNTING BRACKET KIT FOR CANISTER ANTENNA. AVAILABLE IN BROWN, BLACK AND GREY TO MATCH ANTENNA RADOME AND/OR MOUNTING STRUCTURE.</p>

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2L4U4VT360X06Fwxy_s4

HOW TO READ THE MODEL NUMBER

Each letter and number has meaning.

NUMBER OF BANDS and OPERATING FREQUENCY			PATTERN TYPE	AZIMUTH BMWDTH	POLARIZATION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
2L	4U	4V	T	360	X	06	F	wxy	s	4	BK BR
(2x) 617-906	(4x) 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

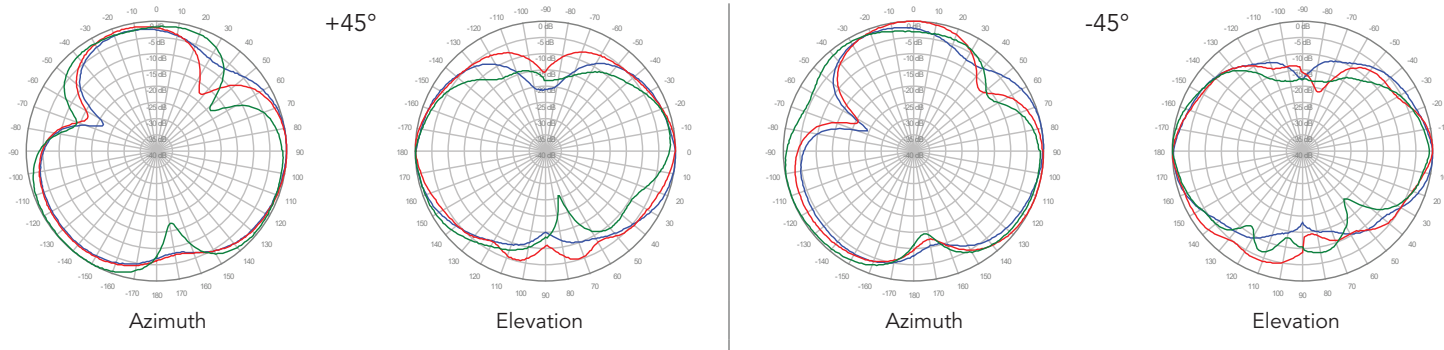
SELECT RADOME COLOR	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND			MODEL NUMBER
	617-906 MHz	1695-2700 MHz	3300-4200 MHz	
Grey RAL 7035	0°	2°	0°	2L4U4VT360X06F020s4
	0°	4°	0°	2L4U4VT360X06F040s4
	0°	6°	0°	2L4U4VT360X06F060s4
	0°	Y1 & Y2 = 6°, Y3 & Y4 = 2°	0°	2L4U4VT360X06FAAAs4
	0°	Y1 & Y2 = 4°, Y3 & Y4 = 2°	0°	2L4U4VT360X06FBBBs4
	0°	Y1 & Y2 = 6°, Y3 & Y4 = 4°	0°	2L4U4VT360X06FCCCs4
Brown RAL 8022	0°	2°	0°	2L4U4VT360X06F020s4BR
	0°	4°	0°	2L4U4VT360X06F040s4BR
	0°	6°	0°	2L4U4VT360X06F060s4BR
	0°	Y1 & Y2 = 6°, Y3 & Y4 = 2°	0°	2L4U4VT360X06FAAAs4BR
	0°	Y1 & Y2 = 4°, Y3 & Y4 = 2°	0°	2L4U4VT360X06FBBBs4BR
	0°	Y1 & Y2 = 6°, Y3 & Y4 = 4°	0°	2L4U4VT360X06FCCCs4BR
Black RAL 9011	0°	2°	0°	2L4U4VT360X06F020s4BK
	0°	4°	0°	2L4U4VT360X06F040s4BK
	0°	6°	0°	2L4U4VT360X06F060s4BK
	0°	Y1 & Y2 = 6°, Y3 & Y4 = 2°	0°	2L4U4VT360X06FAAAs4BK
	0°	Y1 & Y2 = 4°, Y3 & Y4 = 2°	0°	2L4U4VT360X06FBBBs4BK
	0°	Y1 & Y2 = 6°, Y3 & Y4 = 4°	0°	2L4U4VT360X06FCCCs4BK

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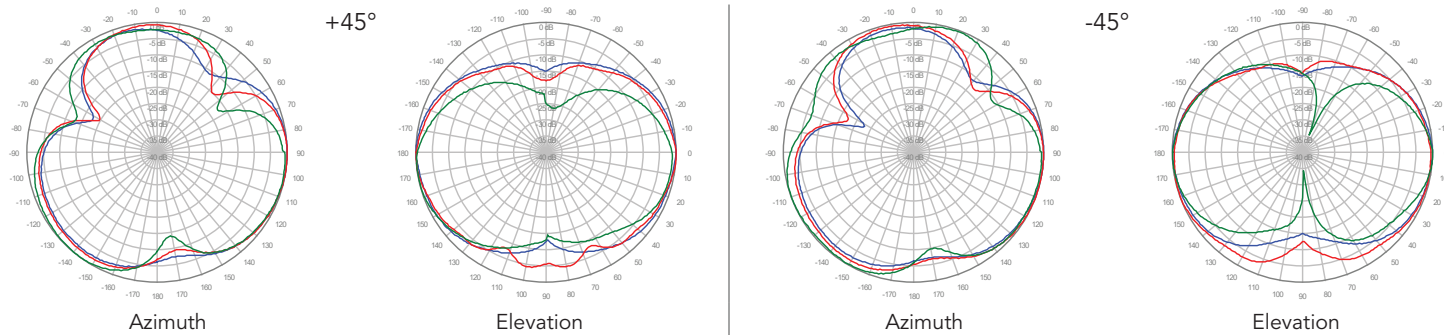
2L4U4VT360X06Fwxys4

650 MHz ———
750 MHz ———
850 MHz ———

R1, 0° TILT



R2, 0° TILT

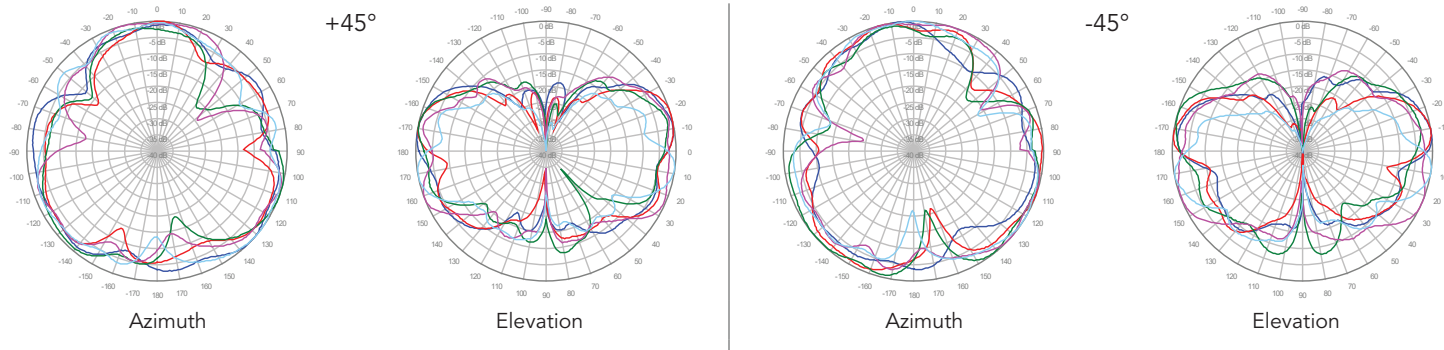


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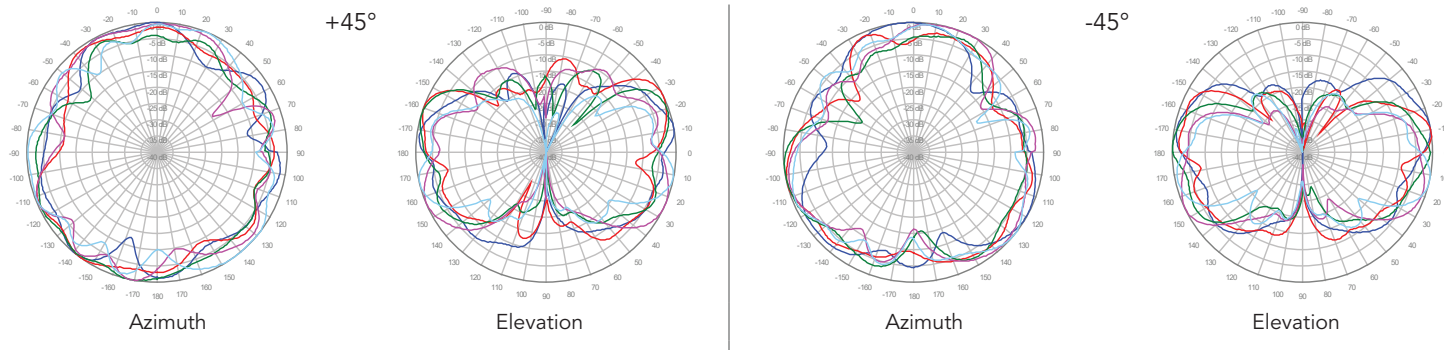
2L4U4VT360X06Fwxyys4

- 1800 MHz ———
- 1900 MHz ———
- 2100 MHz ———
- 2300 MHz ———
- 2600 MHz ———

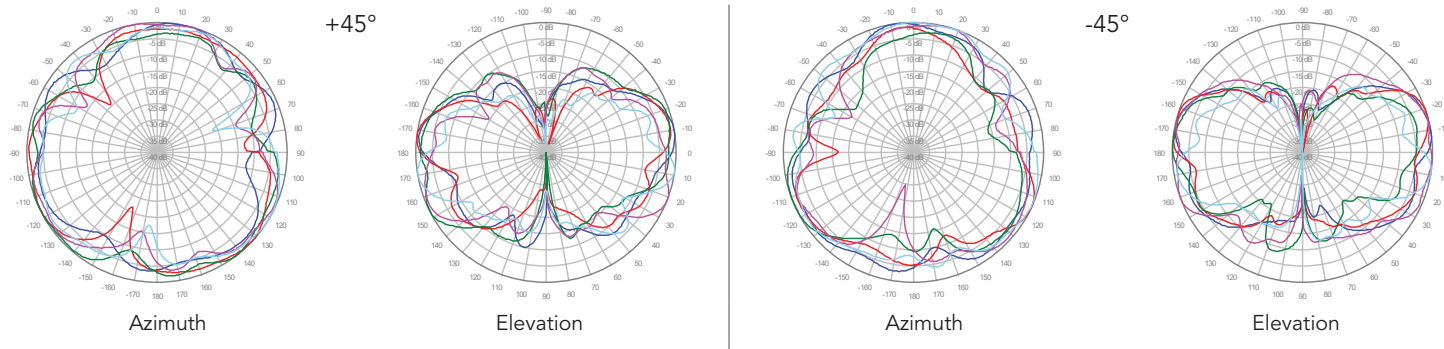
Y1, 2° TILT



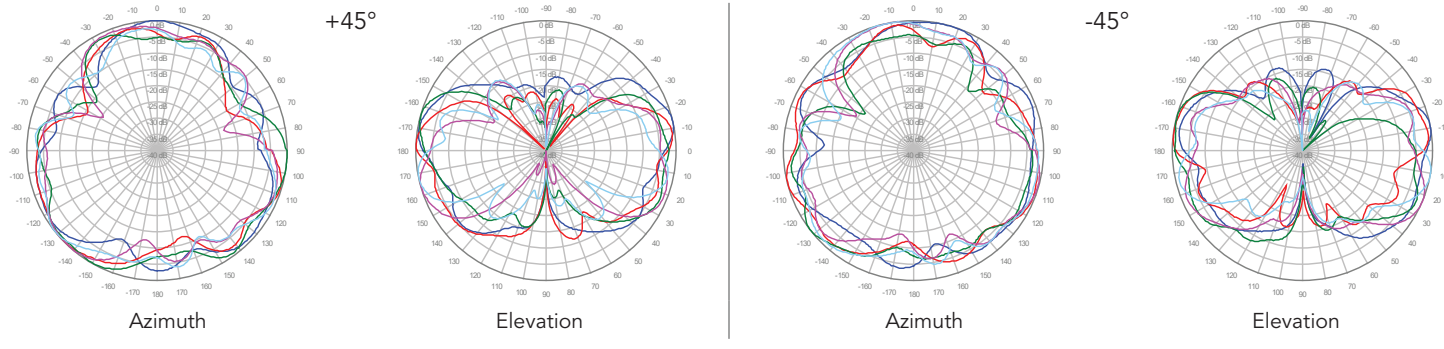
Y2, 2° TILT



Y3, 2° TILT



Y4, 2° TILT

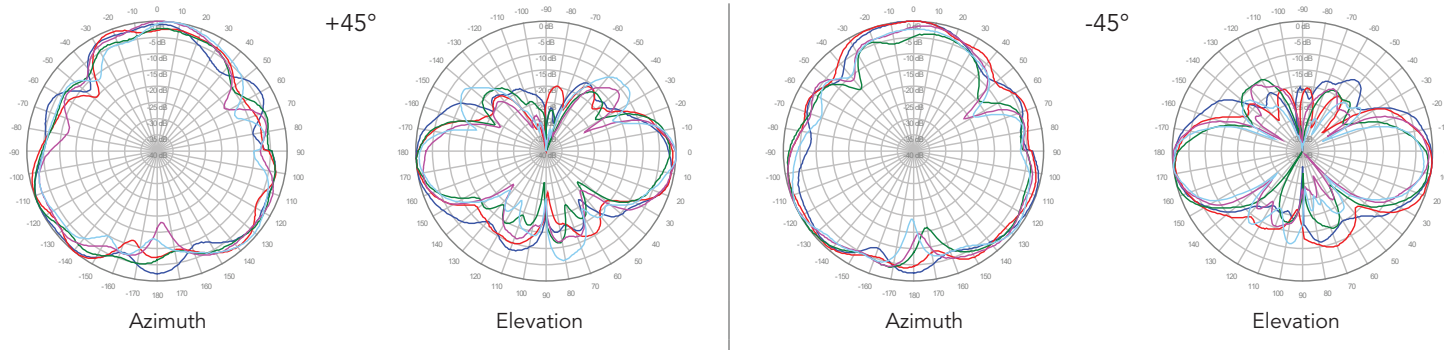


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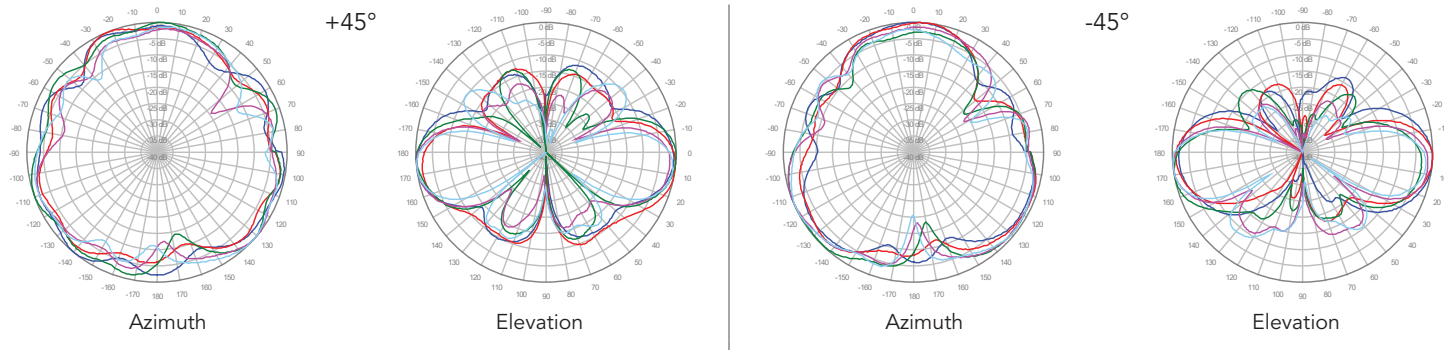
2L4U4VT360X06Fwxyys4

- 1800 MHz ———
- 1900 MHz ———
- 2100 MHz ———
- 2300 MHz ———
- 2600 MHz ———

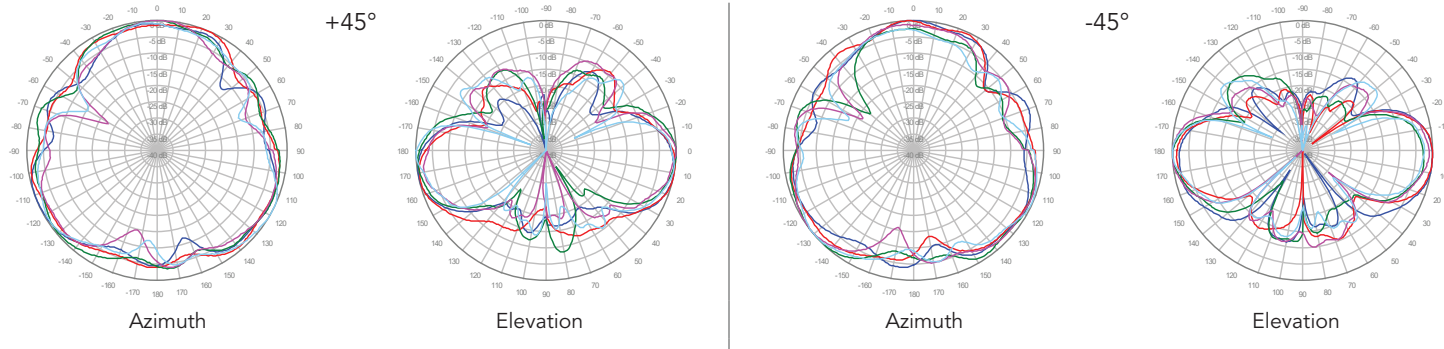
Y1, 4° TILT



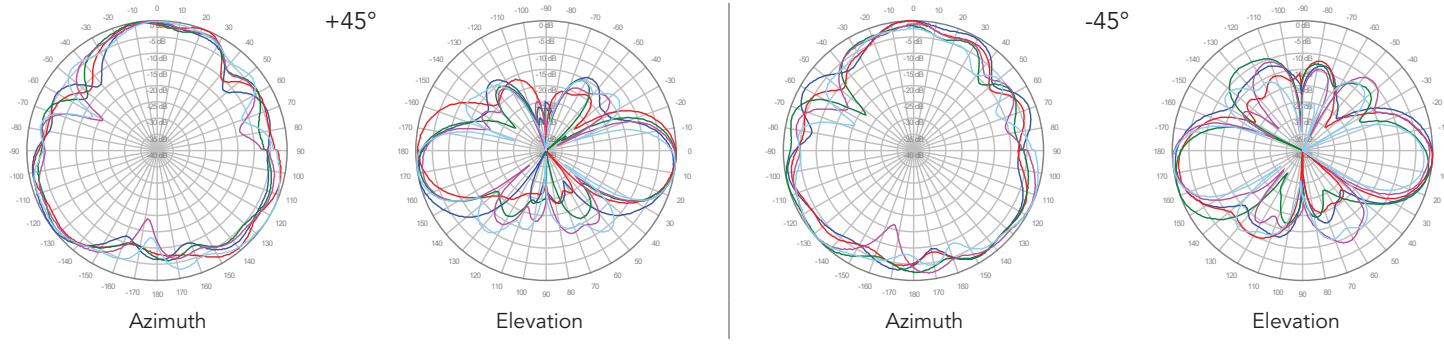
Y2, 4° TILT



Y3, 4° TILT



Y4, 4° TILT

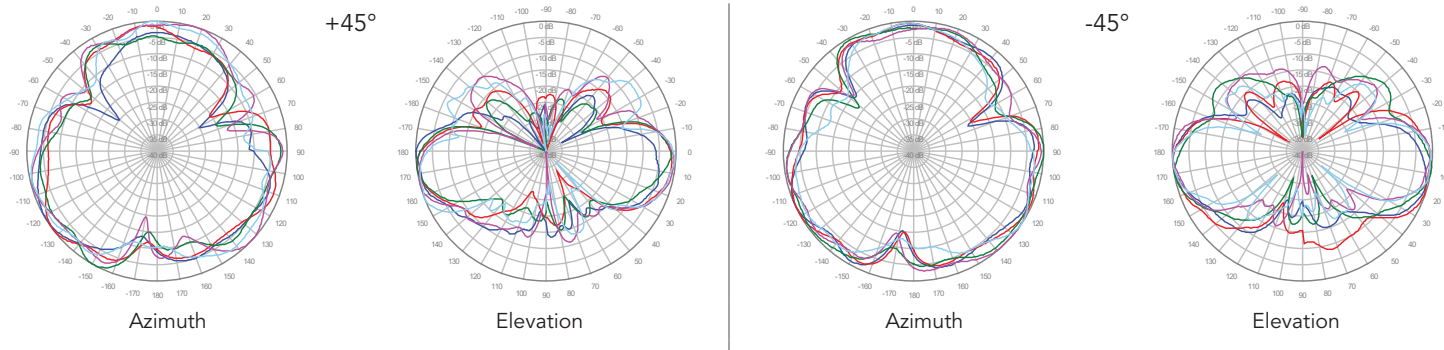


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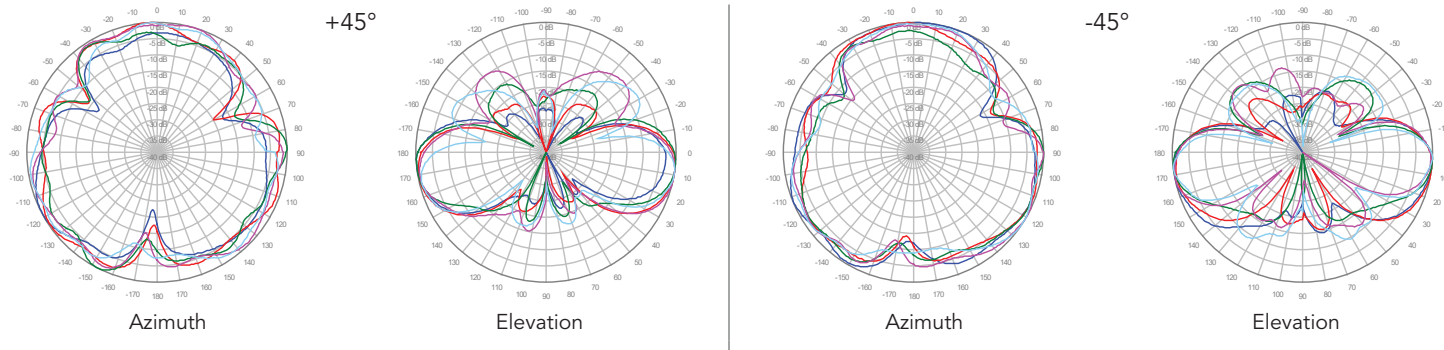
2L4U4VT360X06Fwxyys4

- 1800 MHz ———
- 1900 MHz ———
- 2100 MHz ———
- 2300 MHz ———
- 2600 MHz ———

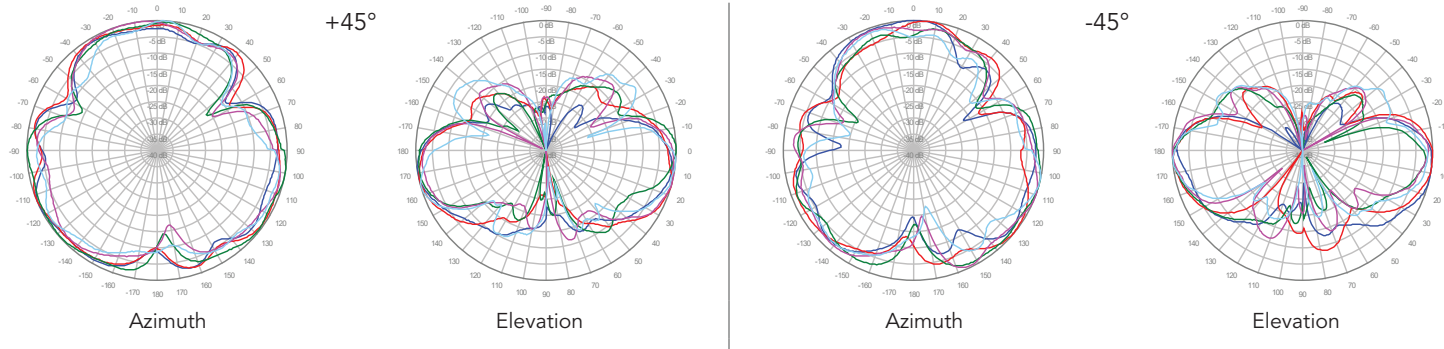
Y1, 6° TILT



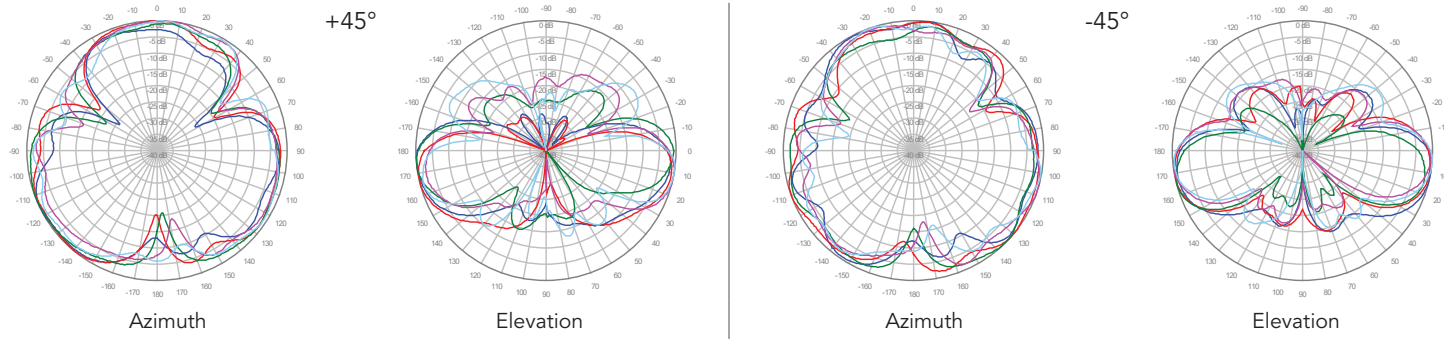
Y2, 6° TILT



Y3, 6° TILT



Y4, 6° TILT

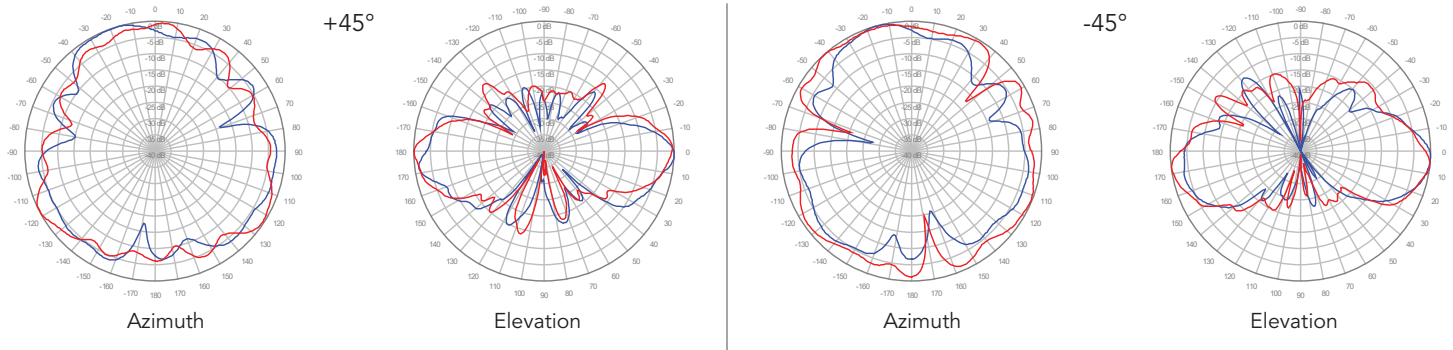


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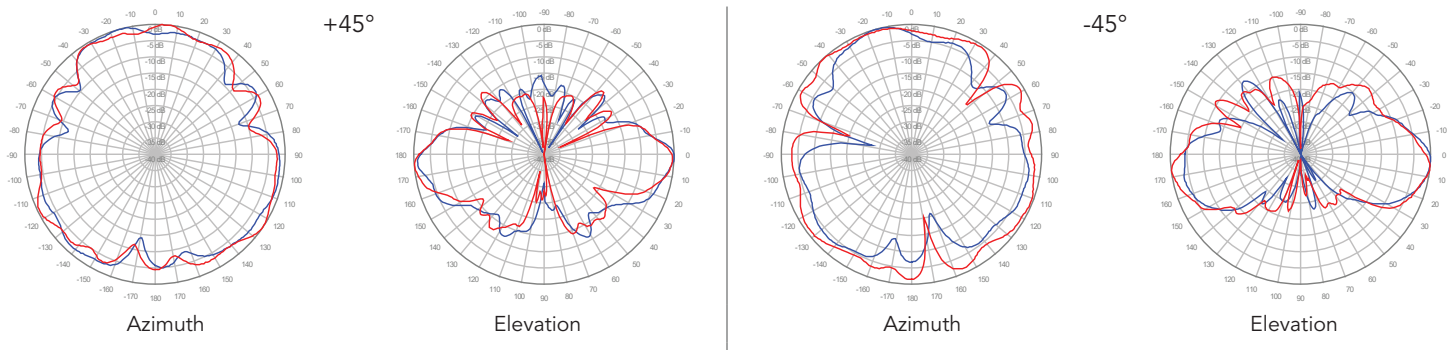
2L4U4VT360X06FwxyS4

3600 MHz ————
4000 MHz ————

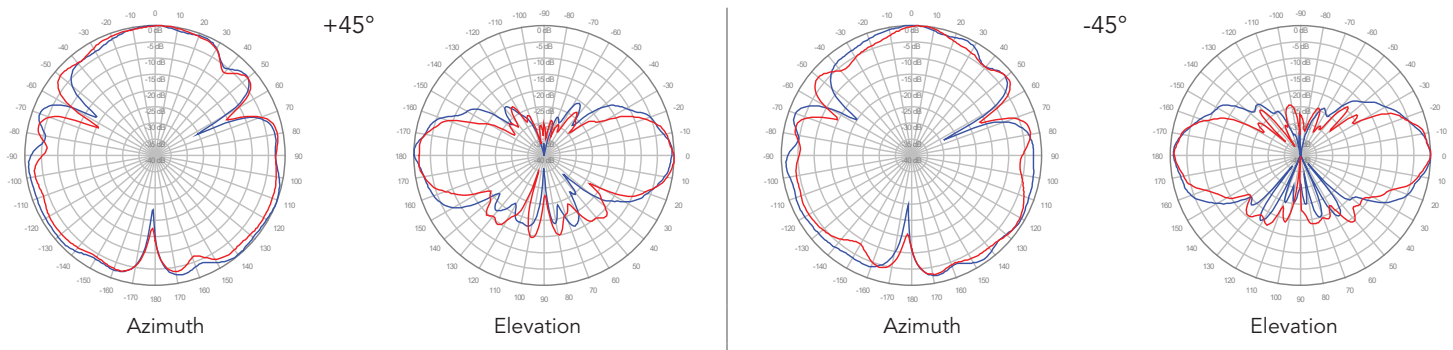
P1, 0° TILT



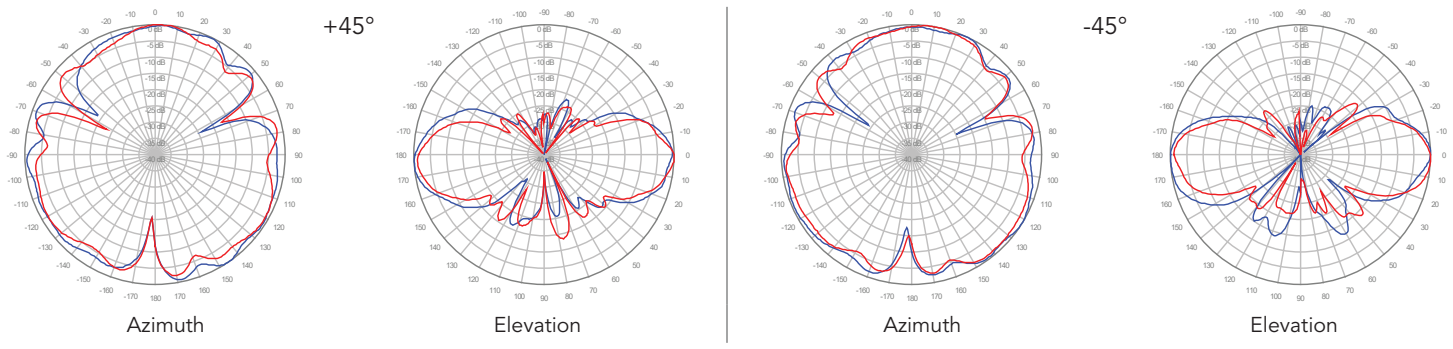
P2, 0° TILT



P3, 0° TILT



P4, 0° TILT



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