

2L6U6VT360X06Fwxys4



Features

- Pseudo omni configuration with 28 connectors
- Ideal for multi-carrier or 4x4 MIMO deployments
- Easily removable lifting ring
- Improvements in gain, port isolation and VSWR

PRODUCT OVERVIEW	Frequency Range (MHz)	(2x) 617-906	(6x) 1695-2700	(6x) 3300-4200
	Array	■ R1 ■ R2	■ Y1 ■ Y2 ■ Y3 ■ Y4 ■ Y5 ■ Y6	■ P1 ■ P2 ■ P3 ■ P4 ■ P5 ■ P6
	Connector	4 PORTS	12 PORTS	12 PORTS
	Polarization	XPOL	XPOL	XPOL
	Azimuth Beamwidth (avg)	360°	360°	360°
	Electrical Downtilt	0°	0°, 2°, 4°, 6°	0°, 2°, 4°, 6°
	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)	6800 WATTS		
	Total Connector Count	28 PORTS		
	Connector Type	4.3-10 FEMALE		
	Dimensions	606 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	4.7 ± 1.0
	MAX	dBi	5.7	5.7
Azimuth Beamwidth (3 dB)		degrees	360°	360°
Elevation Beamwidth (3 dB)		degrees	61.0° ± 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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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	6.8 ± 1.3	7.0 ± 1.0	7.1 ± 0.9
	MAX	dBi	8.1	8.0	8.0
Azimuth Beamwidth (3 dB)	degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)	degrees	$37.7^\circ \pm 7.3^\circ$	$37.0^\circ \pm 7.7^\circ$	$35.3^\circ \pm 7.3^\circ$	$29.3^\circ \pm 5.5^\circ$
Electrical Downtilt	degrees	(x) $0^\circ, 2^\circ, 4^\circ, 6^\circ$			
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		

ELECTRICAL SPECIFICATIONS

P1 P2 P3 P4 P5 P6

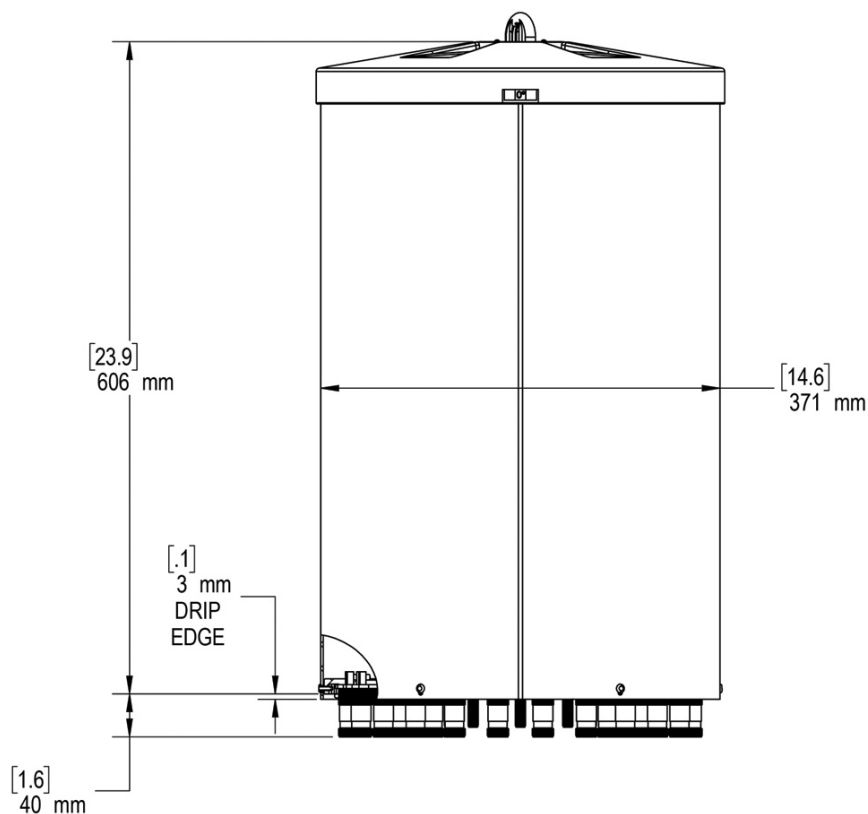
Frequency Range		MHz	(6x) 3300-4200		
Frequency Sub-Range		MHz	3300-3550	3550-3700	3700-4200
Polarization		---	(6x) ±45°		
Gain	BASTA	dBi	7.5 ± 2.5	9.3 ± 1.2	9.2 ± 1.2
	MAX	dBi	10.0	10.5	10.4
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	24.6° ± 4.2°	22.8° ± 3.8°	20.0° ± 4.1°
Electrical Downtilt		degrees	(y) 0°, 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		

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MECHANICAL SPECIFICATIONS

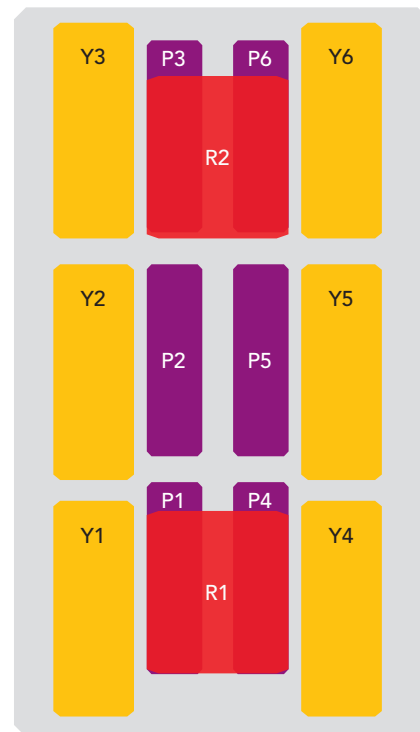
Antenna	Height	mm (in)	606 (23.9)
	Diameter	mm (in)	371 (14.6)
Net Weight - Antenna Only		kg (lbs)	14.5 (32)
Windload	Calculation	km/h (mph)	160 (100)
	Frontal	N (lbf)	191 (43)
Survival Wind Speed		km/h (mph)	241 (150)
Wind Area		m ² (ft ²)	0.22 (2.4)
Volume		m ³ (ft ³)	0.07 (2.3)
Connector	Type	---	(28x) 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

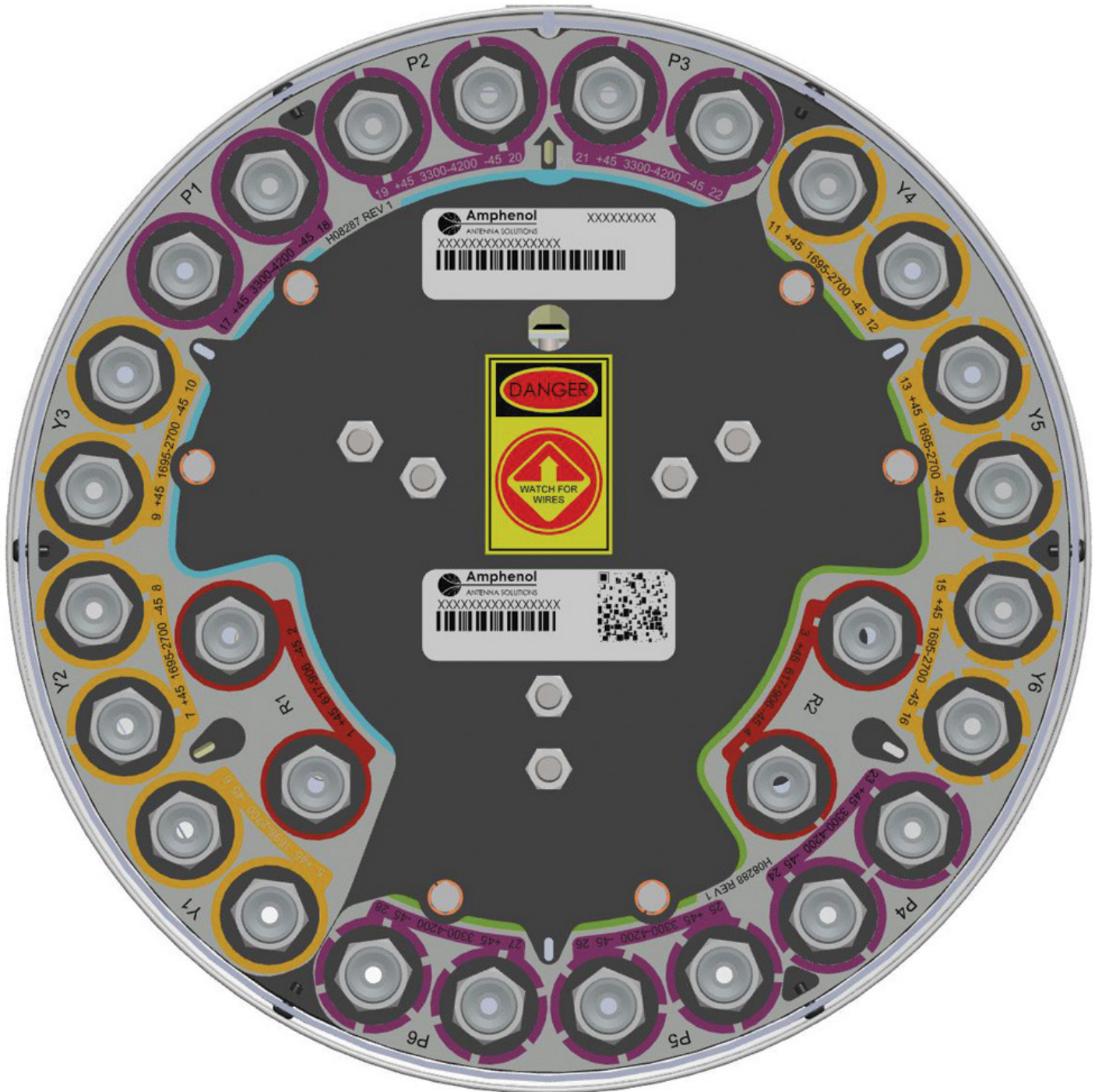
FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
617-906 MHz	■ R1	1-2	(2x) 4.3-10 Female
617-906 MHz	■ R2	3-4	(2x) 4.3-10 Female
1695-2700 MHz	■ Y1	5-6	(2x) 4.3-10 Female
1695-2700 MHz	■ Y2	7-8	(2x) 4.3-10 Female
1695-2700 MHz	■ Y3	9-10	(2x) 4.3-10 Female
1695-2700 MHz	■ Y4	11-12	(2x) 4.3-10 Female
1695-2700 MHz	■ Y5	13-14	(2x) 4.3-10 Female
1695-2700 MHz	■ Y6	15-16	(2x) 4.3-10 Female
3300-4200 MHz	■ P1	17-18	(2x) 4.3-10 Female
3300-4200 MHz	■ P2	19-20	(2x) 4.3-10 Female
3300-4200 MHz	■ P3	21-22	(2x) 4.3-10 Female
3300-4200 MHz	■ P4	23-24	(2x) 4.3-10 Female
3300-4200 MHz	■ P5	25-26	(2x) 4.3-10 Female
3300-4200 MHz	■ P6	27-28	(2x) 4.3-10 Female



The illustration is not shown to scale.

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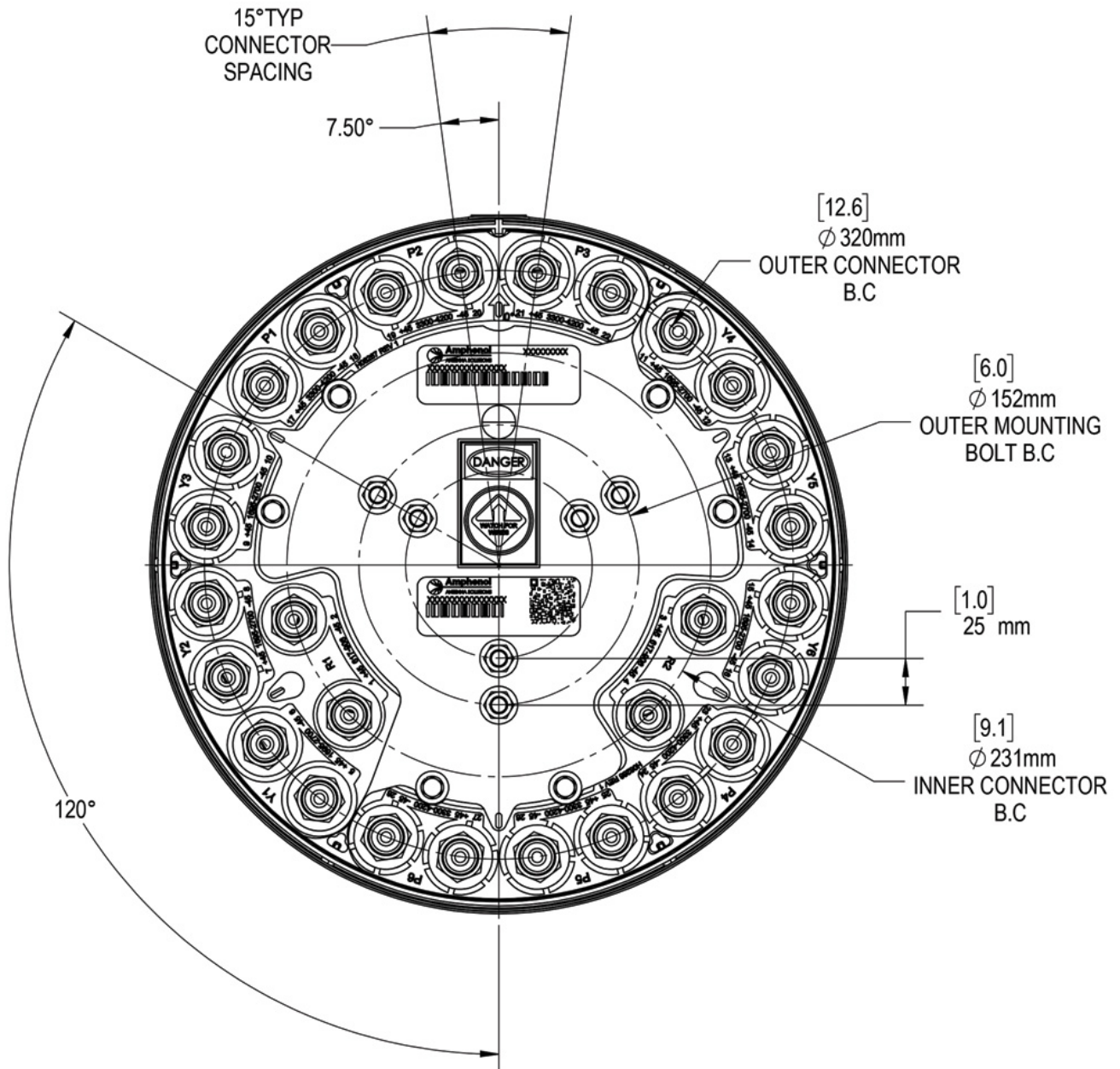
BOTTOM VIEW - LABELING



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BOTTOM VIEW - CONNECTOR DIAGRAM



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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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 and OPERATING FREQUENCY			PATTERN TYPE	AZIMUTH BMWIDTH	POLARIZATION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
2L	6U	6V	T	360	X	06	F	wxy	s	4	BK BR
(2x) 617-906	(6x) 1695-2700	(6x) 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	Variations or generations of similar antennas may exist. Please refer to data sheets for specific differences.	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°	0°	0°	2L6U6VT360X06F000s4
	0°	0°	2°	2L6U6VT360X06F002s4
	0°	0°	4°	2L6U6VT360X06F004s4
	0°	0°	6°	2L6U6VT360X06F006s4
	0°	2°	0°	2L6U6VT360X06F020s4
	0°	2°	2°	2L6U6VT360X06F022s4
	0°	2°	4°	2L6U6VT360X06F024s4
	0°	2°	6°	2L6U6VT360X06F026s4
	0°	4°	0°	2L6U6VT360X06F040s4
	0°	4°	2°	2L6U6VT360X06F042s4
	0°	4°	4°	2L6U6VT360X06F044s4
	0°	4°	6°	2L6U6VT360X06F046s4
	0°	6°	0°	2L6U6VT360X06F060s4
	0°	6°	2°	2L6U6VT360X06F062s4
	0°	6°	4°	2L6U6VT360X06F064s4
	0°	6°	6°	2L6U6VT360X06F066s4

2L6U6VT360X06Fwxys4

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	
Brown RAL 8022	0°	0°	0°	2L6U6VT360X06F000s4BR
	0°	0°	2°	2L6U6VT360X06F002s4BR
	0°	0°	4°	2L6U6VT360X06F004s4BR
	0°	0°	6°	2L6U6VT360X06F006s4BR
	0°	2°	0°	2L6U6VT360X06F020s4BR
	0°	2°	2°	2L6U6VT360X06F022s4BR
	0°	2°	4°	2L6U6VT360X06F024s4BR
	0°	2°	6°	2L6U6VT360X06F026s4BR
	0°	4°	0°	2L6U6VT360X06F040s4BR
	0°	4°	2°	2L6U6VT360X06F042s4BR
	0°	4°	4°	2L6U6VT360X06F044s4BR
	0°	4°	6°	2L6U6VT360X06F046s4BR
	0°	6°	0°	2L6U6VT360X06F060s4BR
	0°	6°	2°	2L6U6VT360X06F062s4BR
	0°	6°	4°	2L6U6VT360X06F064s4BR
	0°	6°	6°	2L6U6VT360X06F066s4BR
Black RAL 9011	0°	0°	0°	2L6U6VT360X06F000s4BK
	0°	0°	2°	2L6U6VT360X06F002s4BK
	0°	0°	4°	2L6U6VT360X06F004s4BK
	0°	0°	6°	2L6U6VT360X06F006s4BK
	0°	2°	0°	2L6U6VT360X06F020s4BK
	0°	2°	2°	2L6U6VT360X06F022s4BK
	0°	2°	4°	2L6U6VT360X06F024s4BK
	0°	2°	6°	2L6U6VT360X06F026s4BK
	0°	4°	0°	2L6U6VT360X06F040s4BK
	0°	4°	2°	2L6U6VT360X06F042s4BK
	0°	4°	4°	2L6U6VT360X06F044s4BK
	0°	4°	6°	2L6U6VT360X06F046s4BK
	0°	6°	0°	2L6U6VT360X06F060s4BK
	0°	6°	2°	2L6U6VT360X06F062s4BK
	0°	6°	4°	2L6U6VT360X06F064s4BK
	0°	6°	6°	2L6U6VT360X06F066s4BK

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OMNI

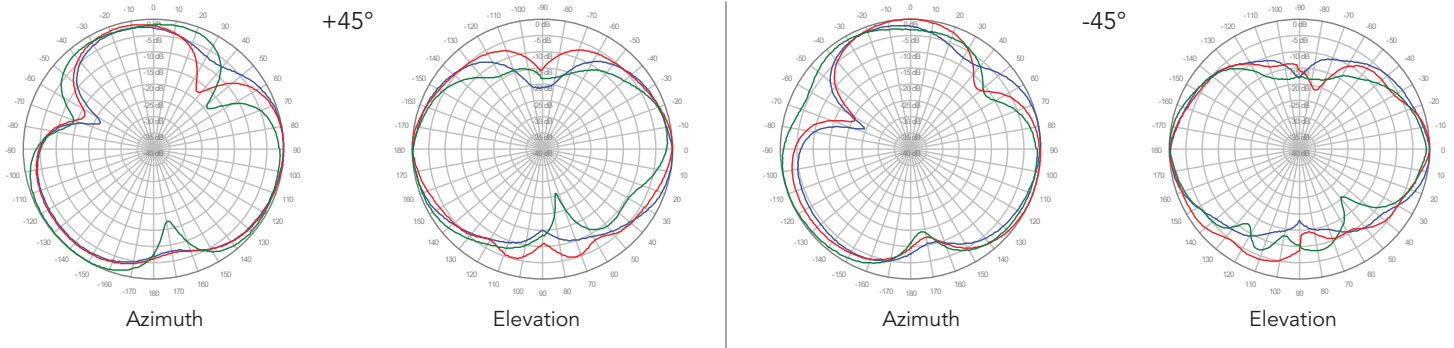
23.9 IN

FIXED TILT

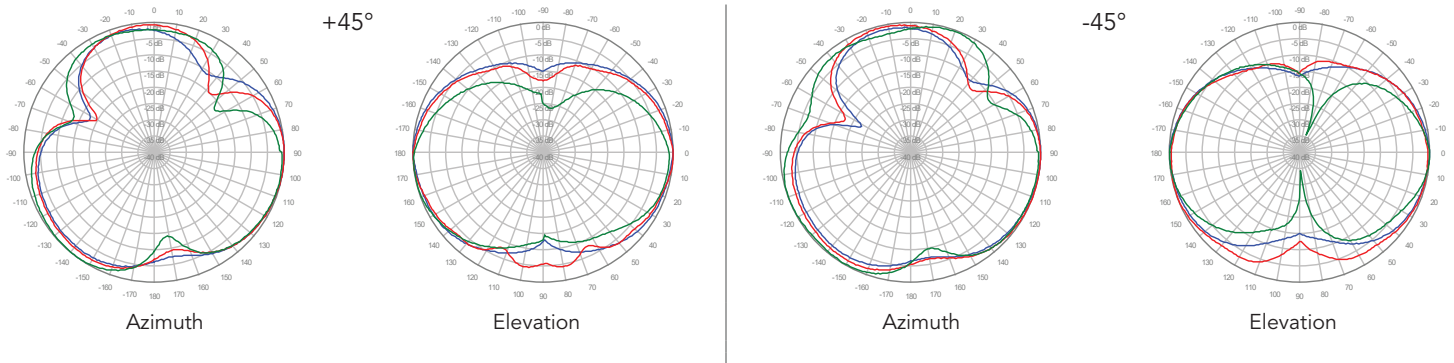
2L6U6VT360X06Fwxyys4

650 MHz ————
750 MHz ————
850 MHz ————

■ R1, 0° TILT



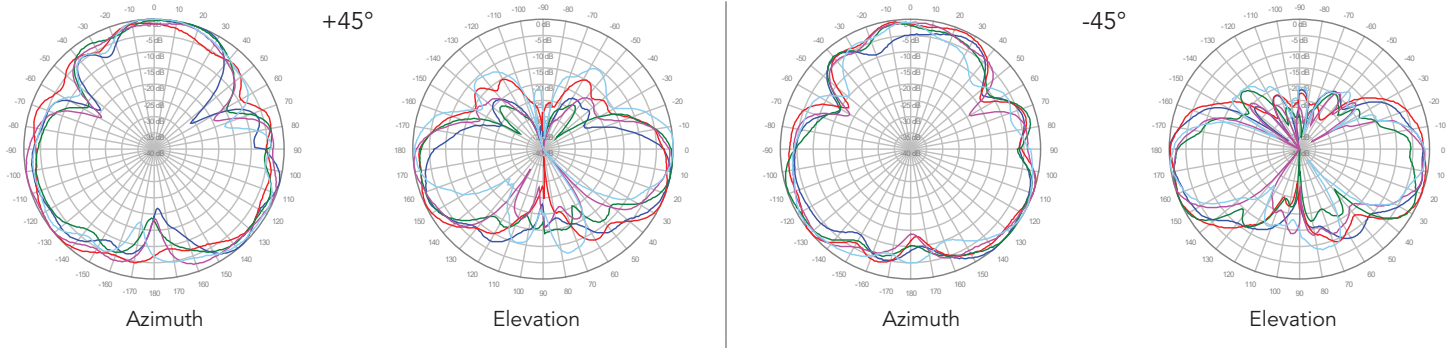
■ R2, 0° TILT



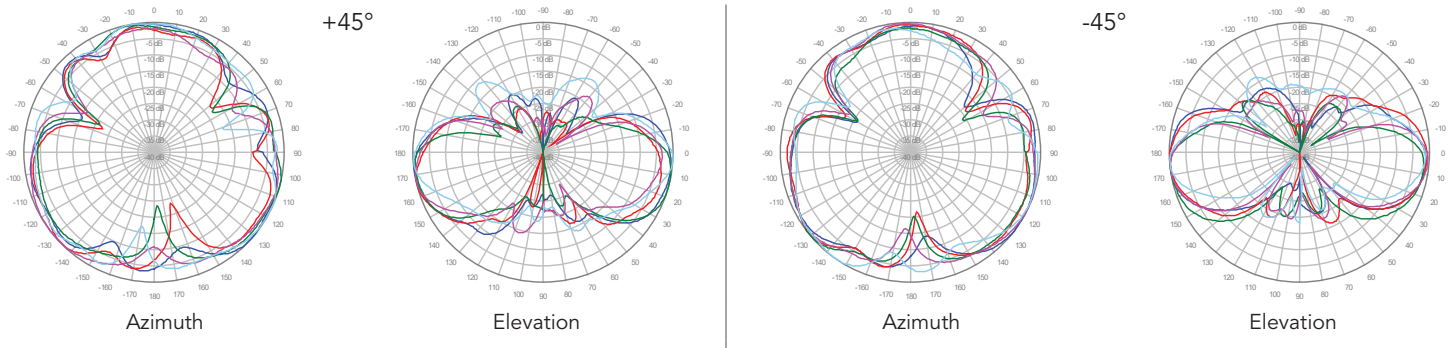
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1800 MHz —
1900 MHz —
2100 MHz —
2300 MHz —
2600 MHz —

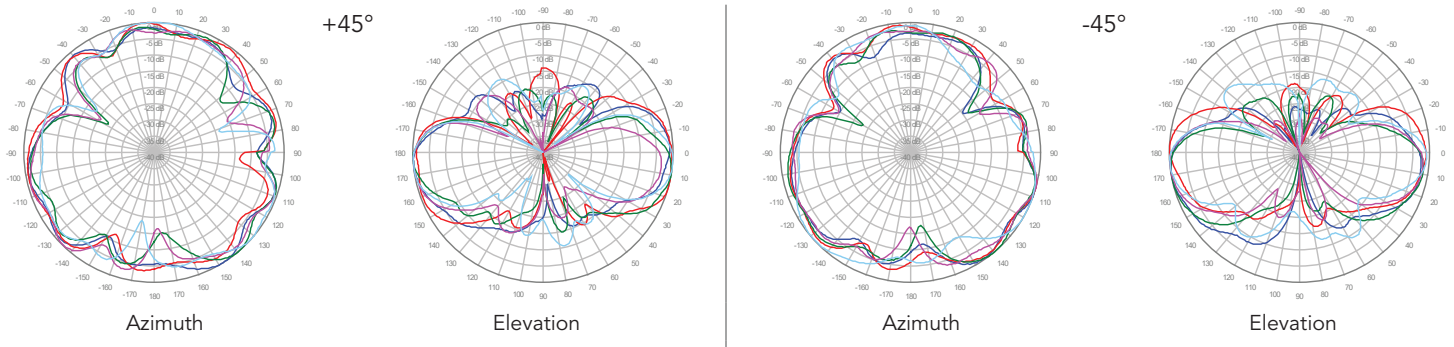
■ Y1, 2° TILT



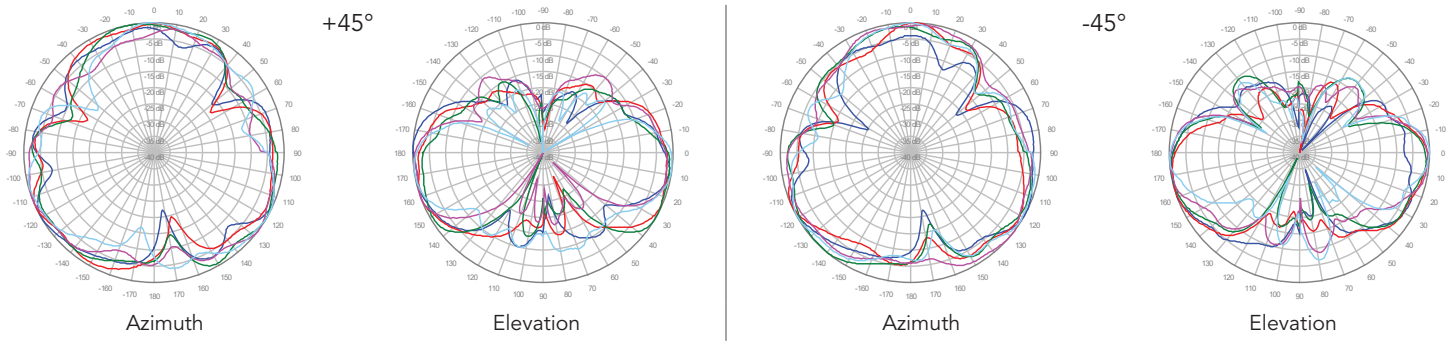
■ Y2, 2° TILT



■ Y3, 2° TILT



■ Y4, 2° TILT

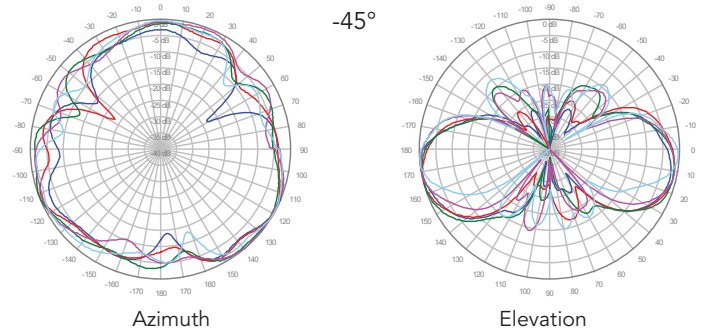
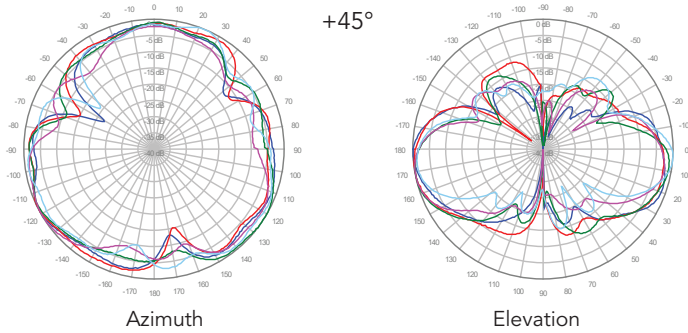


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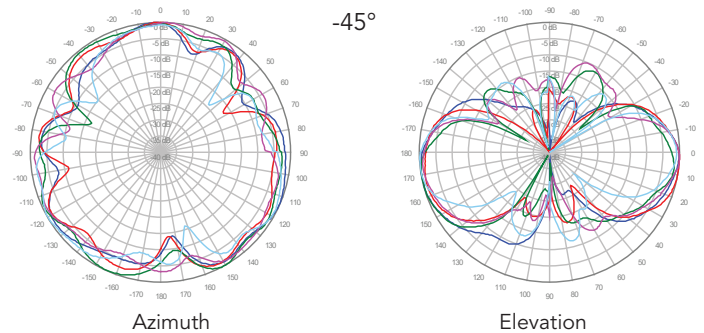
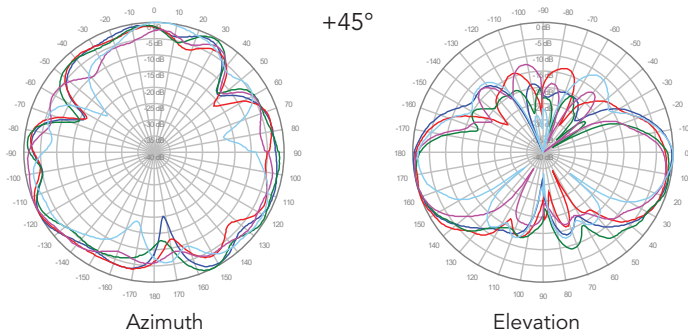
2L6U6VT360X06Fwxys4

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

■ Y5, 2° TILT



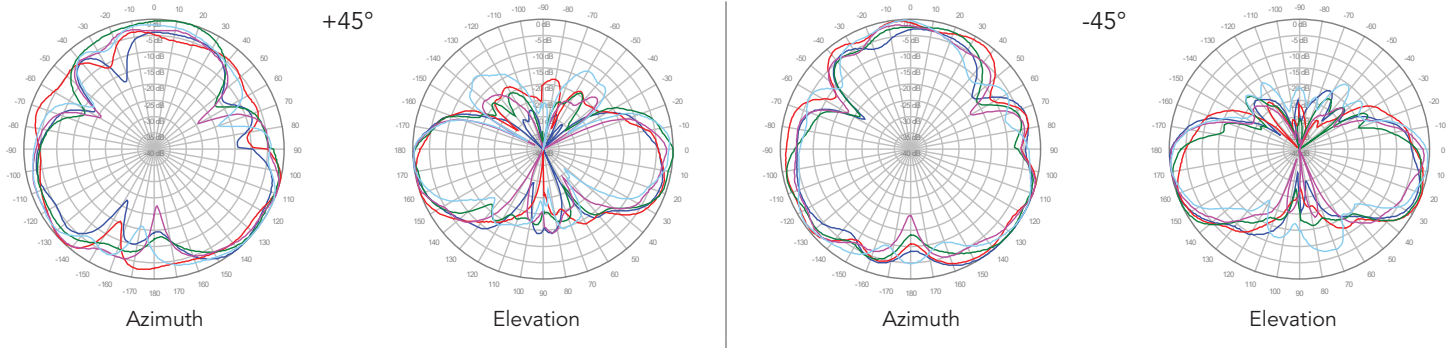
■ Y6, 2° TILT



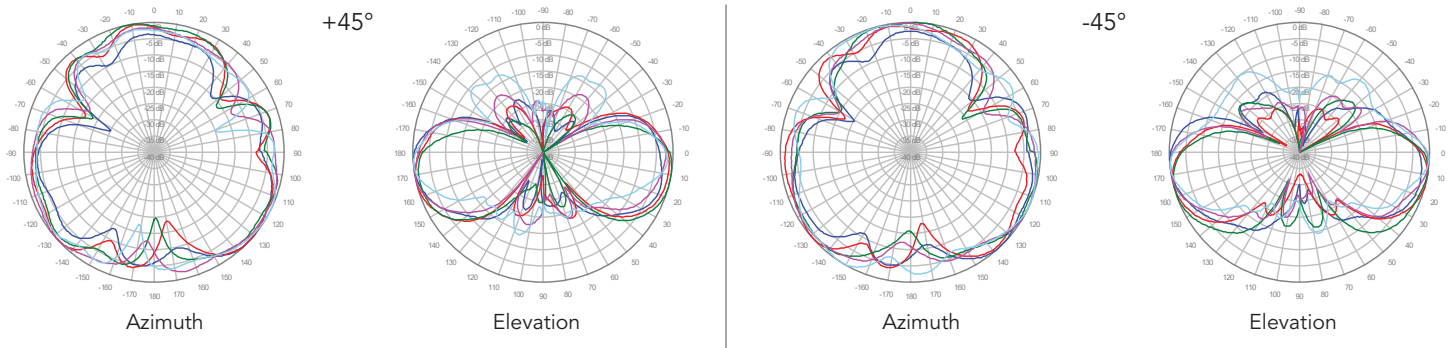
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1800 MHz —
1900 MHz —
2100 MHz —
2300 MHz —
2600 MHz —

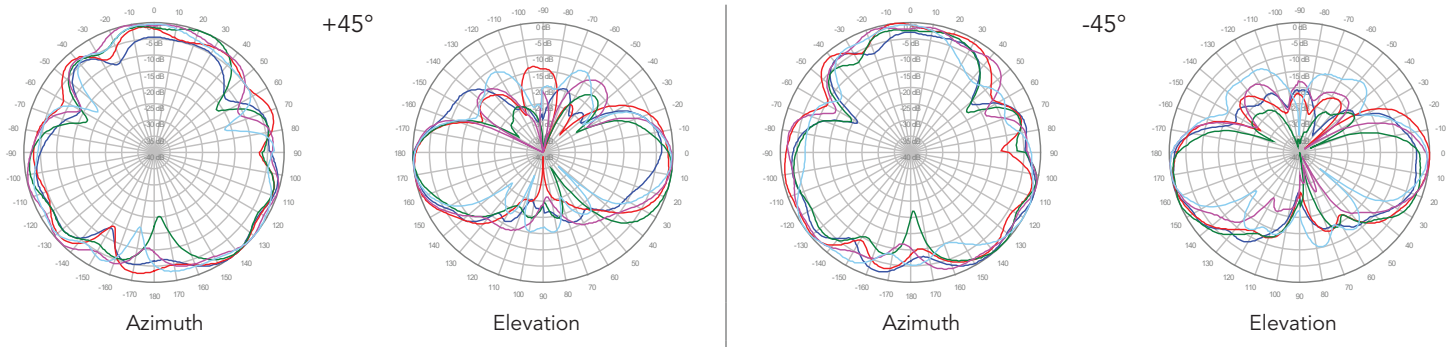
■ Y1, 4° TILT



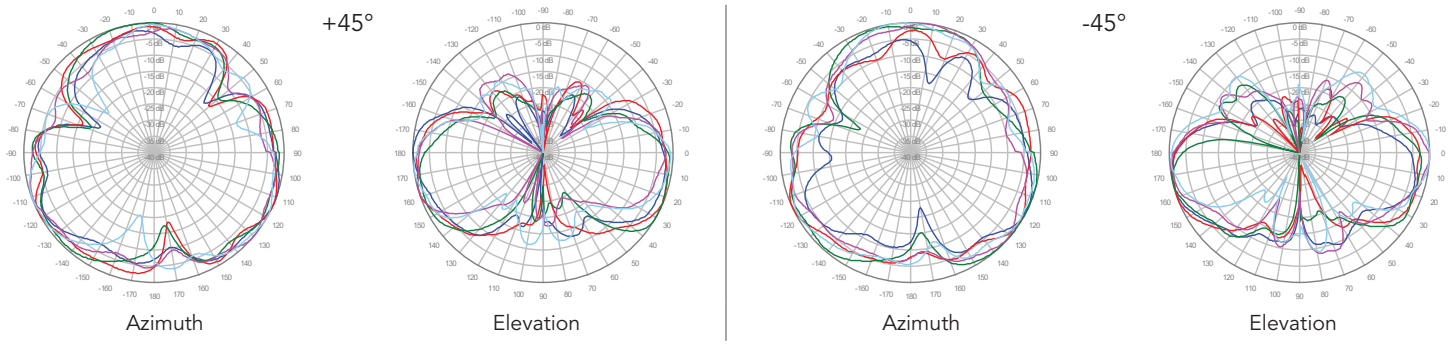
■ Y2, 4° TILT



■ Y3, 4° TILT



■ Y4, 4° TILT

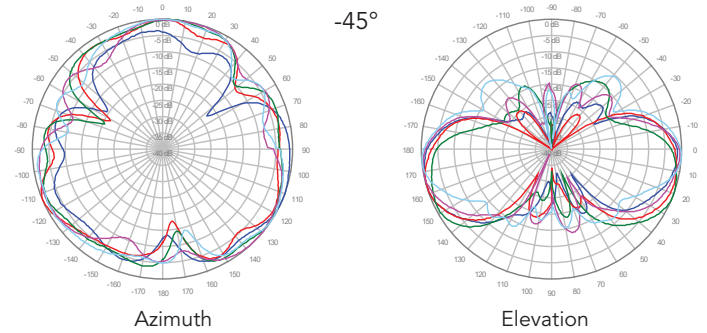
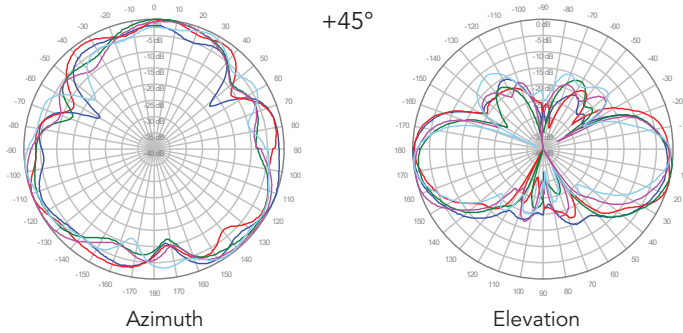


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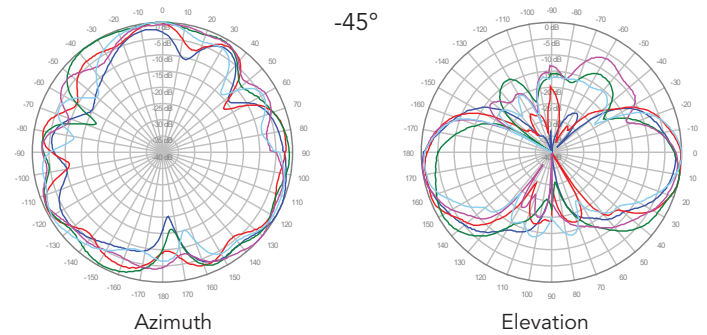
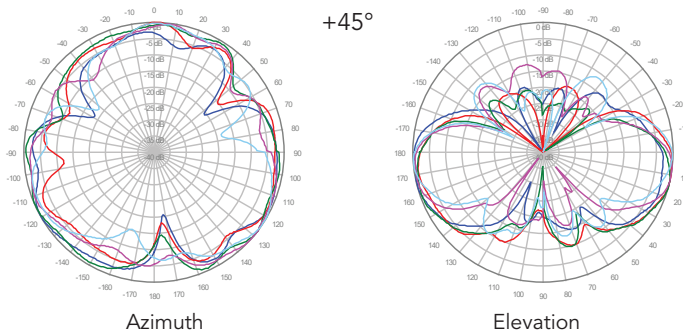
2L6U6VT360X06Fwxys4

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

■ Y5, 4° TILT



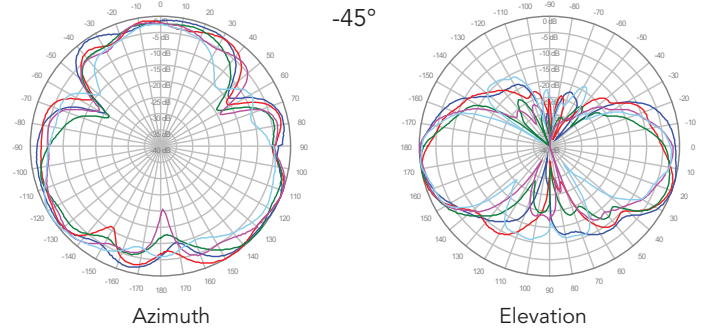
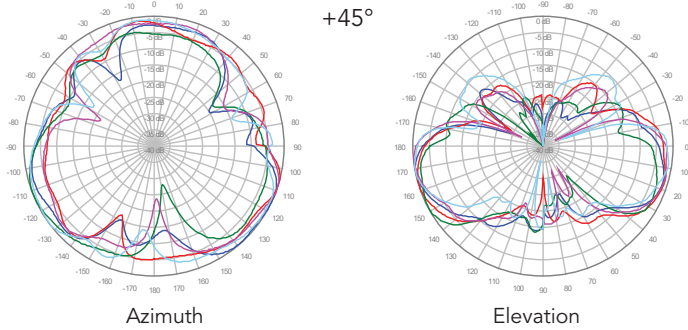
■ Y6, 4° TILT



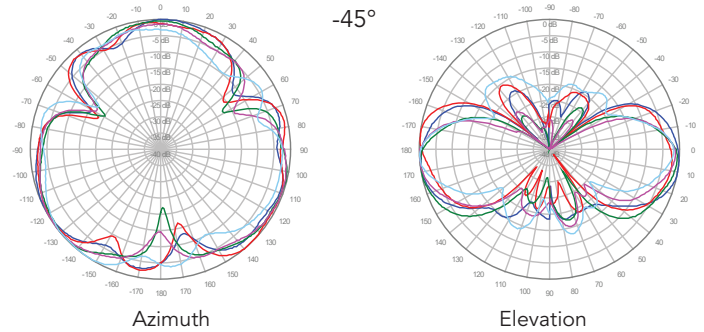
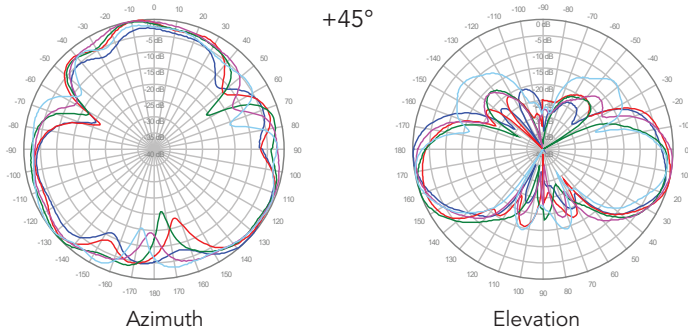
2L6U6VT360X06Fwxyys4

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

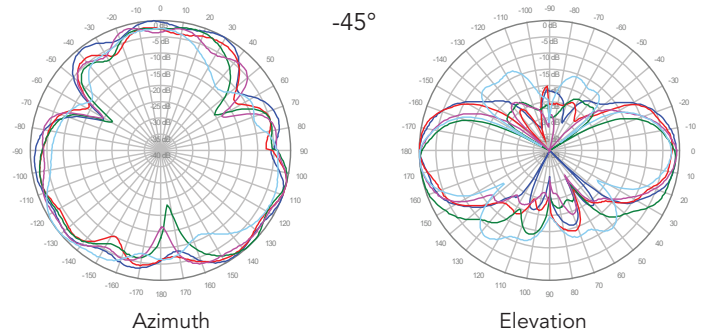
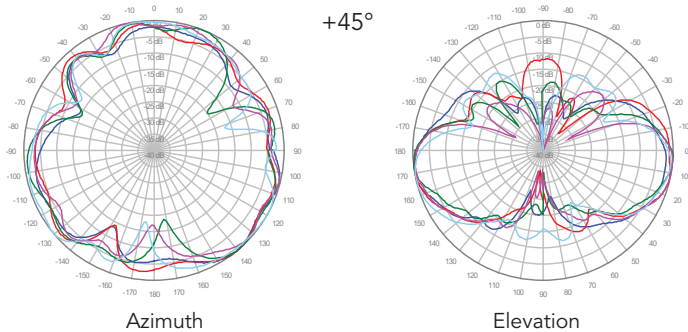
■ Y1, 6° TILT



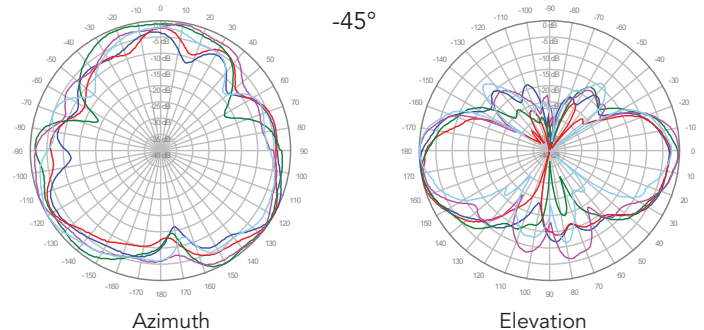
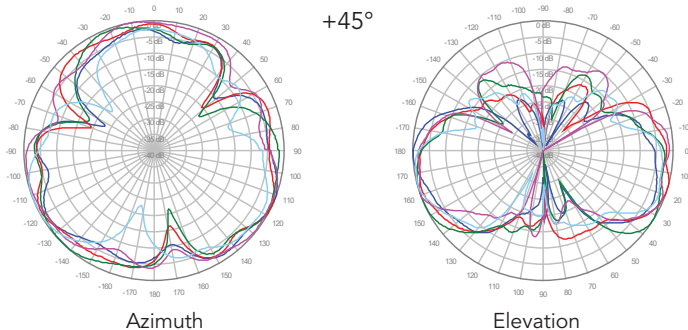
■ Y2, 6° TILT



■ Y3, 6° TILT



■ Y4, 6° TILT



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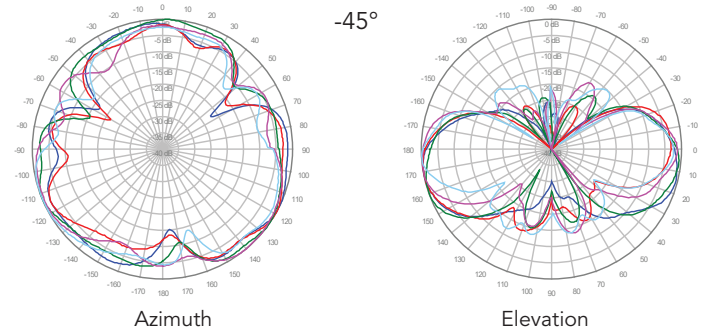
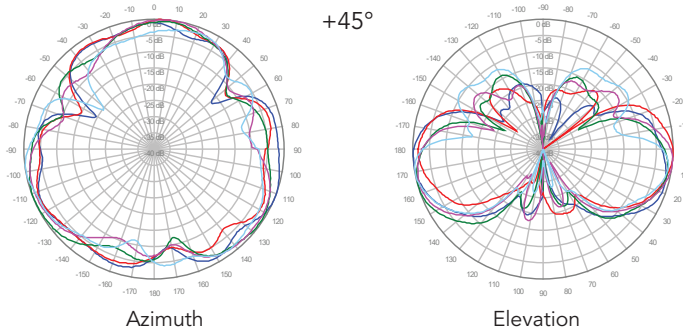
23.9 IN

FIXED TILT

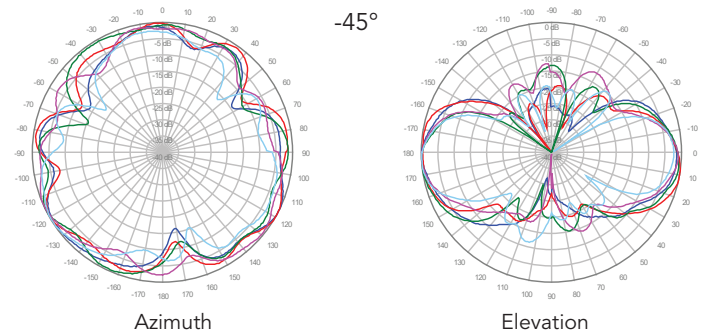
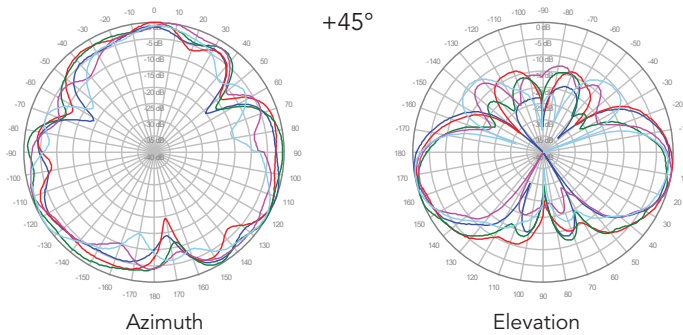
2L6U6VT360X06Fwxyys4

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

■ Y5, 6° TILT



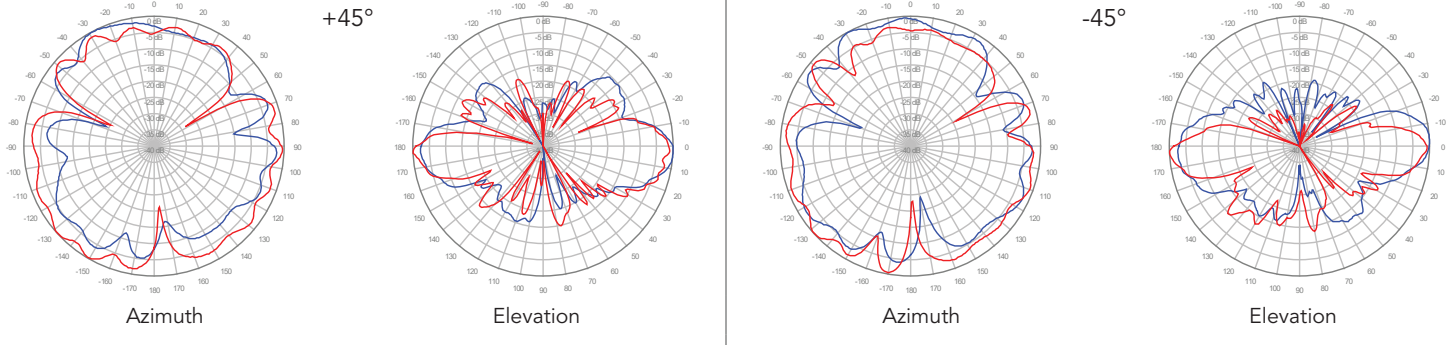
■ Y6, 6° TILT



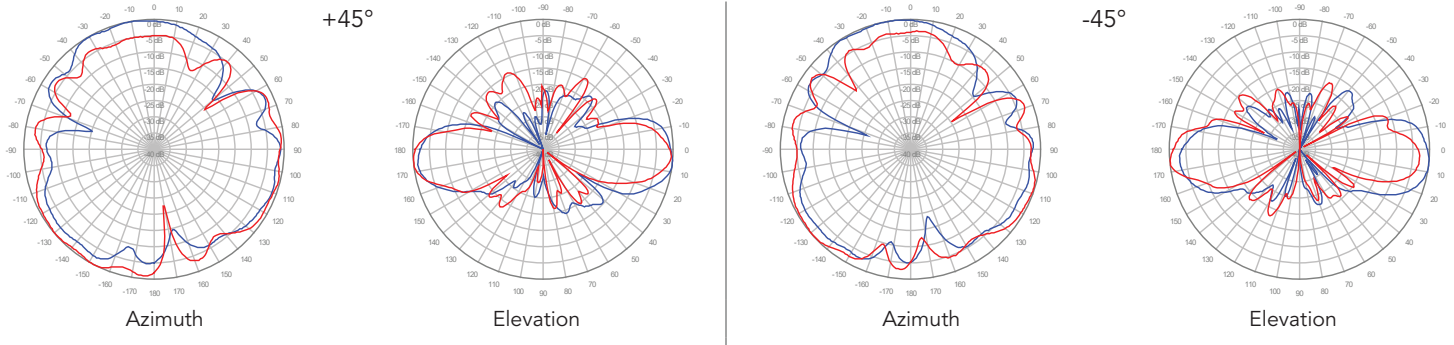
2L6U6VT360X06FwxyS4

3600 MHz ————
4000 MHz ————

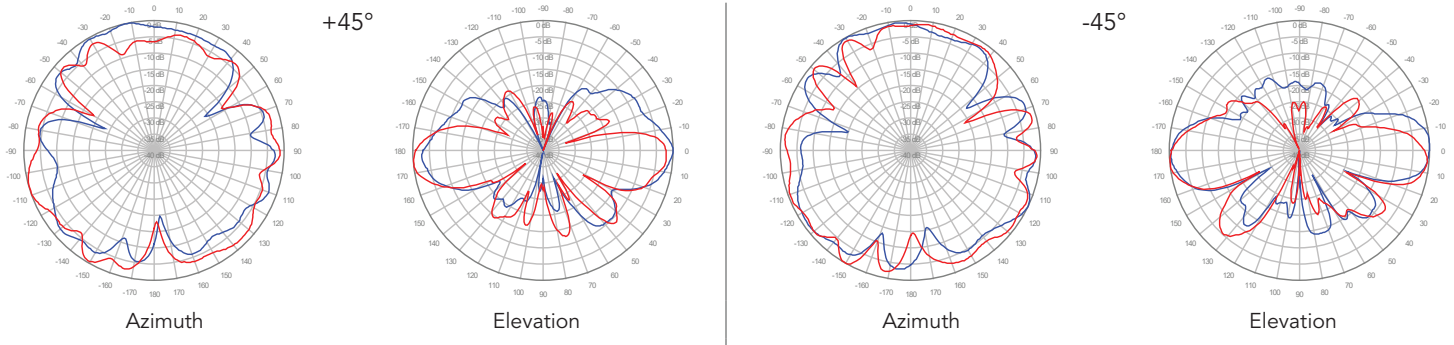
P1, 2° TILT



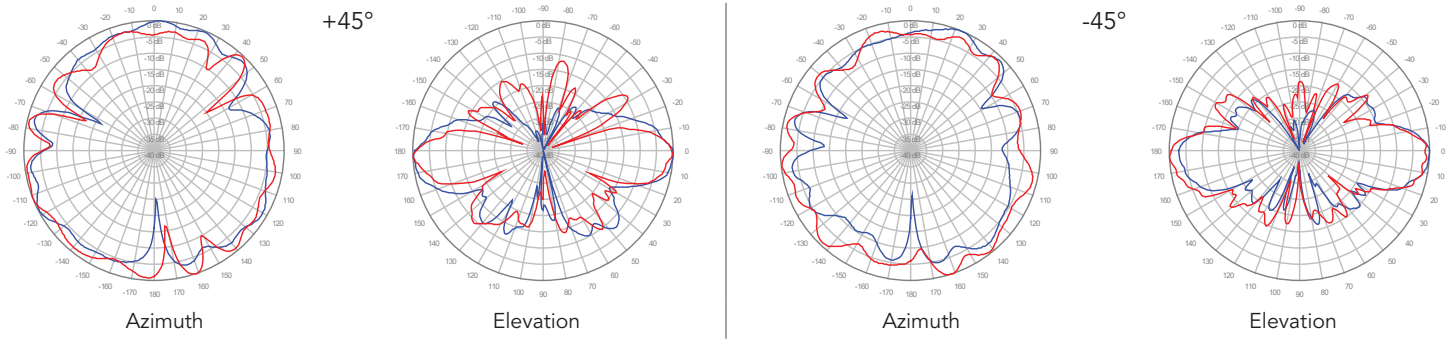
P2, 2° TILT



P3, 2° TILT



P4, 2° TILT

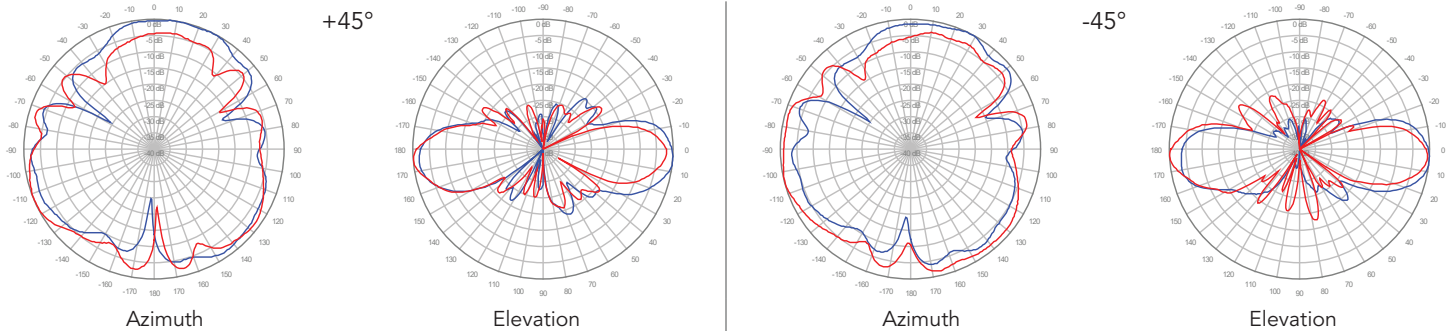


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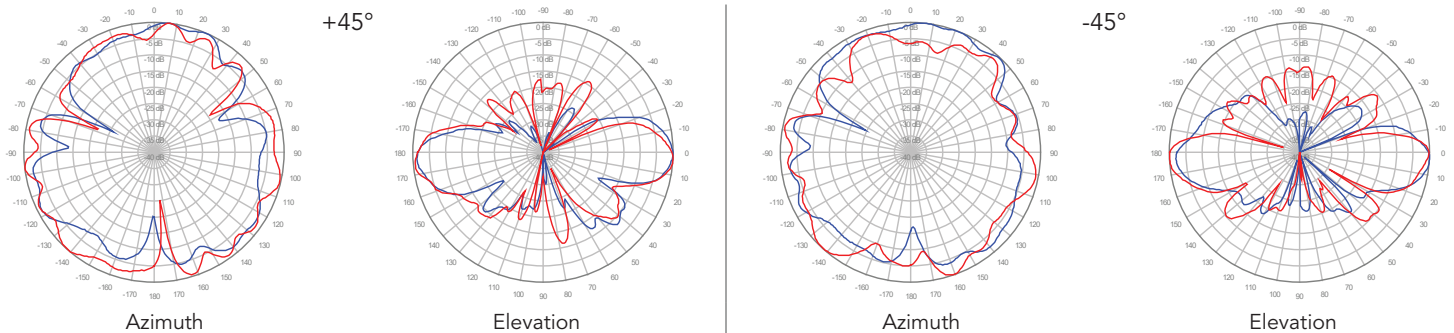
2L6U6VT360X06F**wxy**s4

3600 MHz ————
4000 MHz ————

P5, 2° TILT



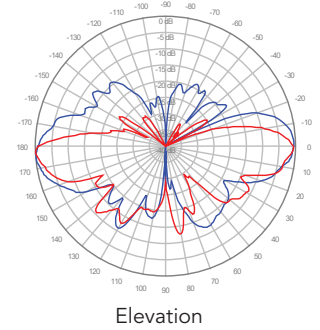
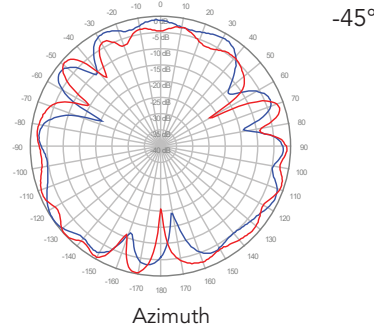
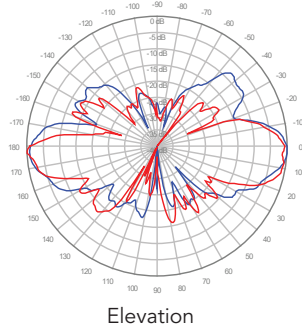
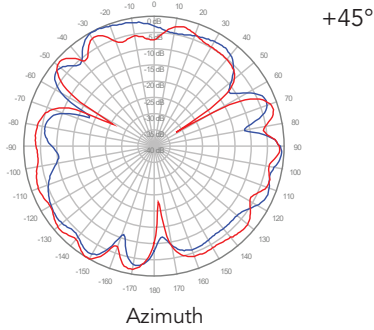
P6, 2° TILT



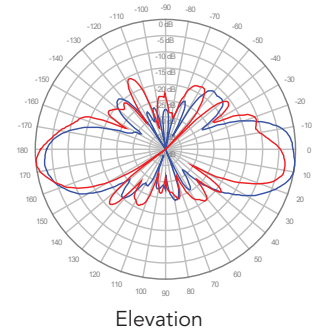
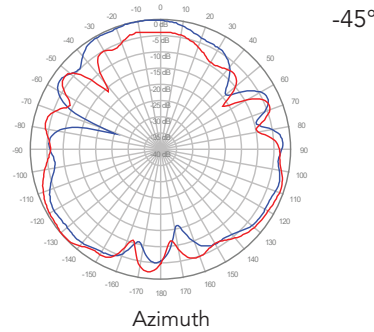
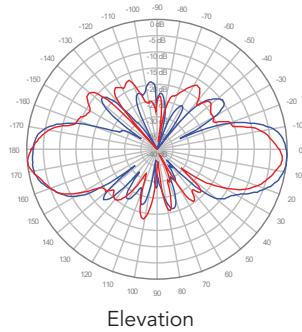
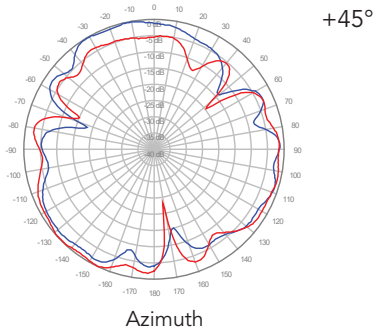
2L6U6VT360X06Fwxyys4

3600 MHz ————
4000 MHz ————

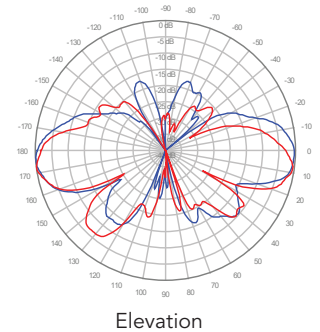
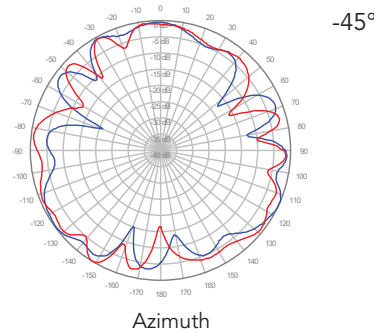
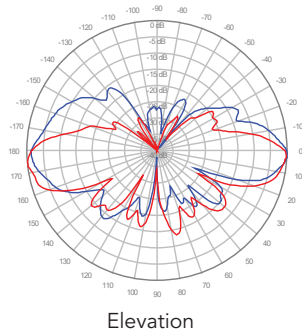
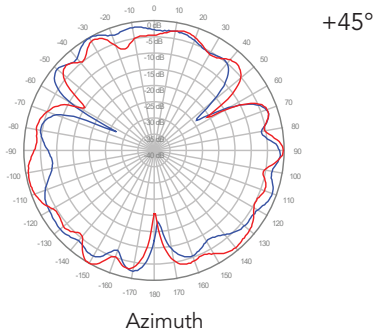
P1, 4° TILT



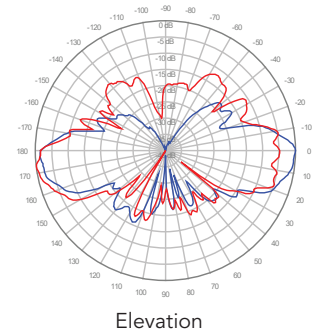
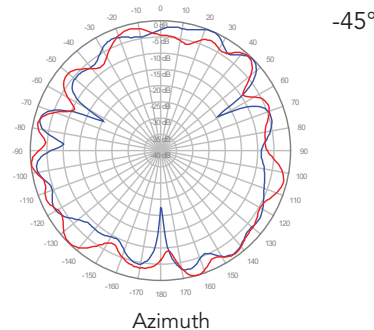
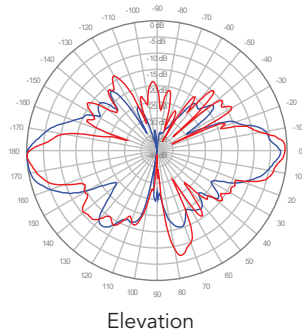
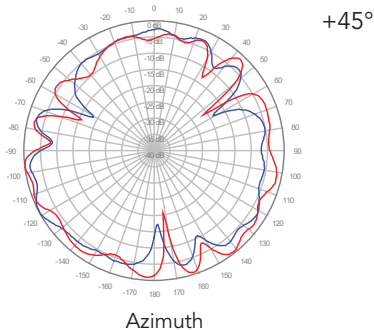
P2, 4° TILT



P3, 4° TILT



P4, 4° TILT

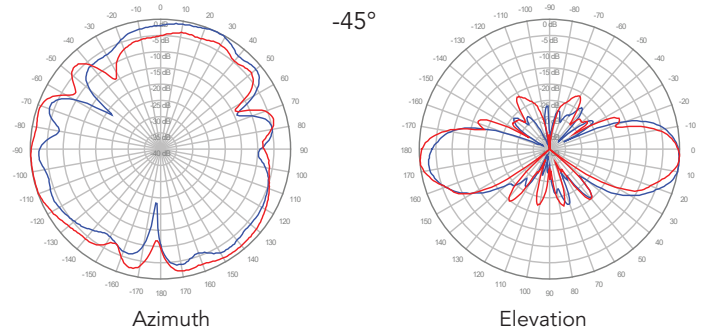
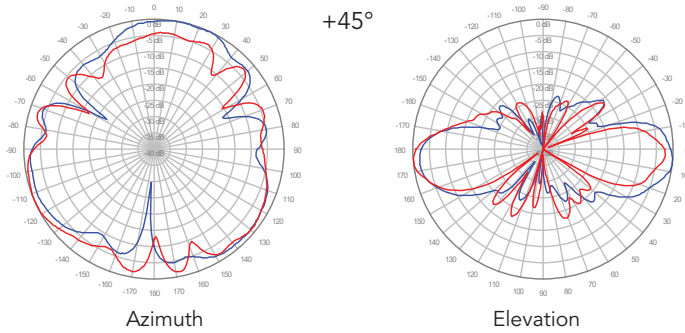


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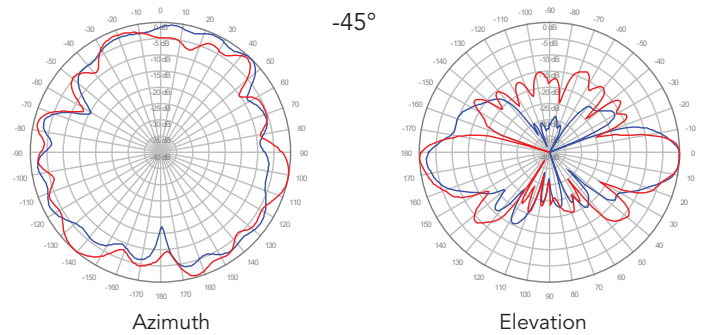
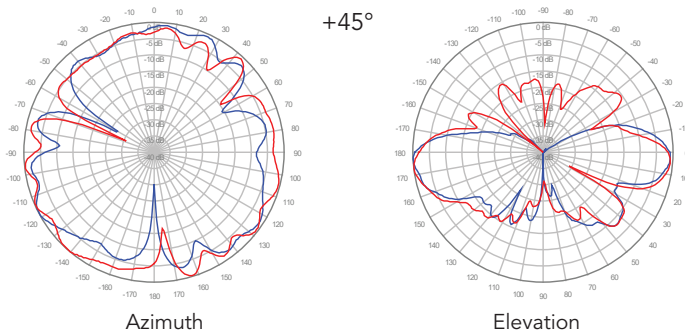
2L6U6VT360X06F**wxy**s4

3600 MHz ————
4000 MHz ————

■ P5, 4° TILT



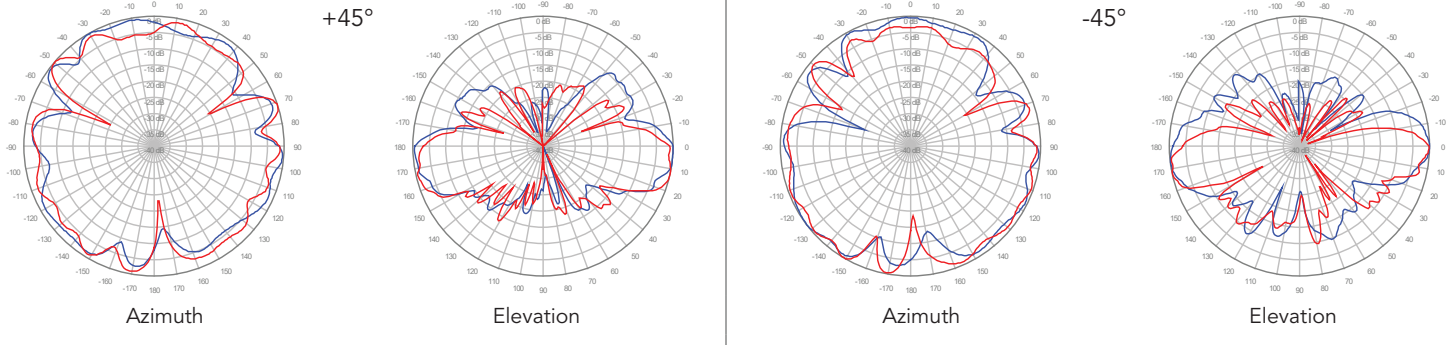
■ P6, 4° TILT



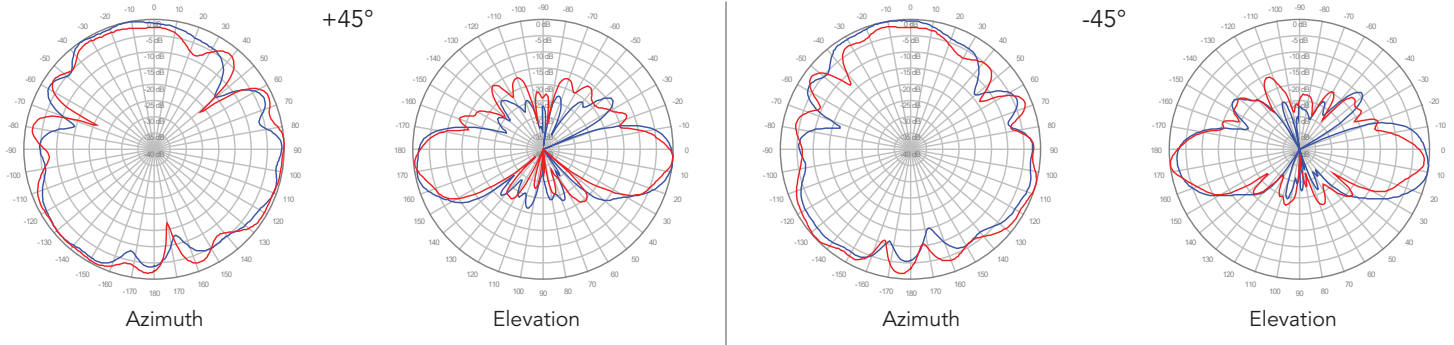
2L6U6VT360X06FwxyS4

3600 MHz ————
4000 MHz ————

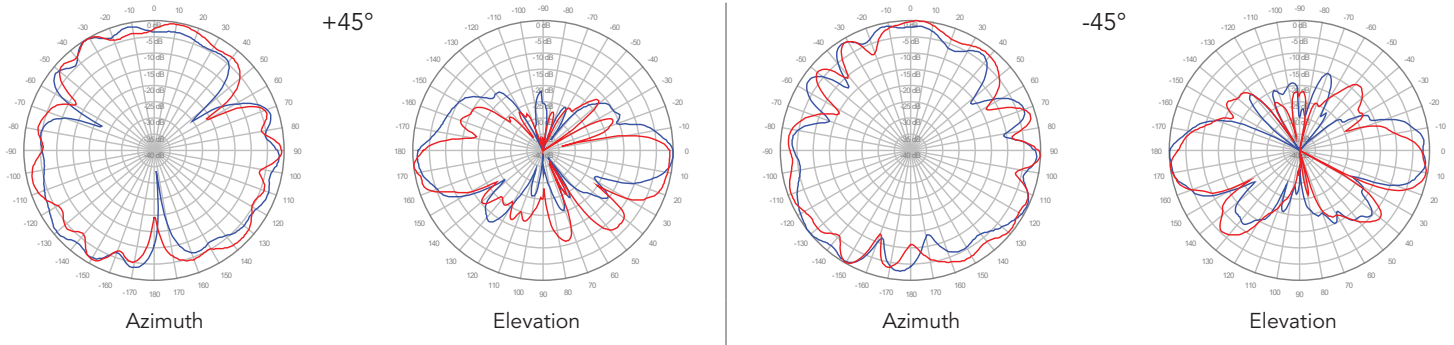
■ P1, 6° TILT



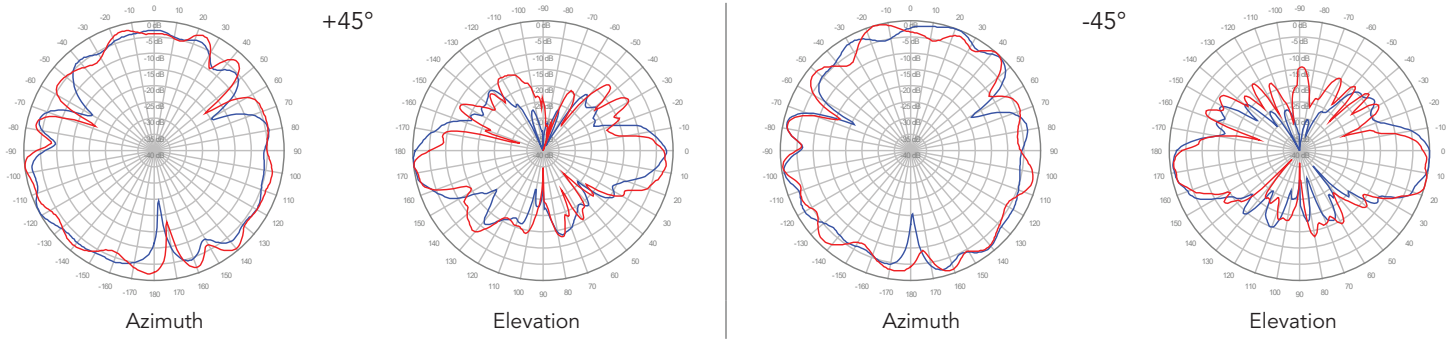
■ P2, 6° TILT



■ P3, 6° TILT



■ P4, 6° TILT

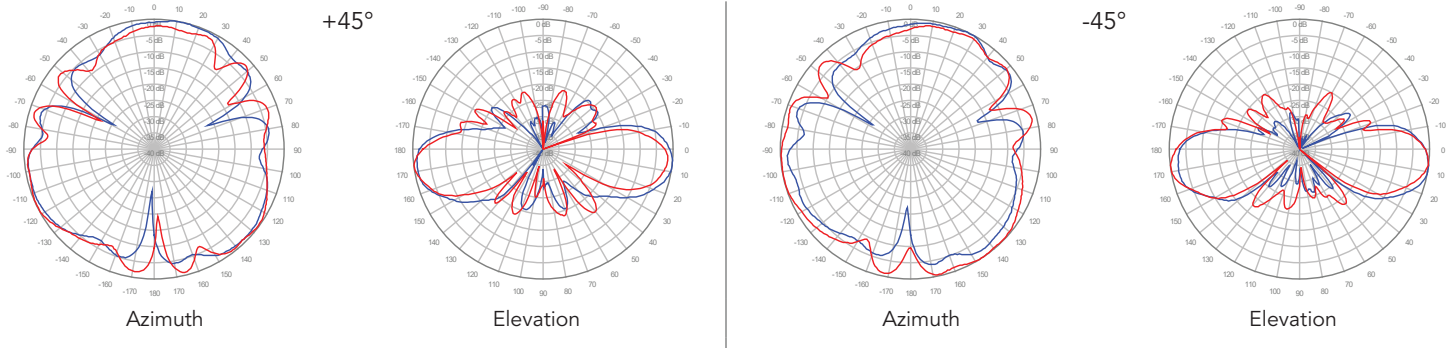


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2L6U6VT360X06Fwxys4

3600 MHz ————
4000 MHz ————

■ P5, 6° TILT



■ P6, 6° TILT

