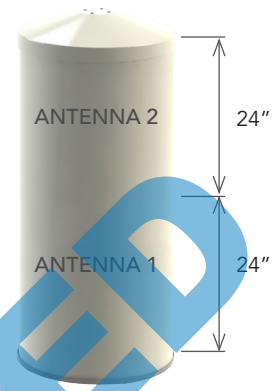


## 2C6U4MT360X12Fwxys2

### Features

- 4G/5G Pseudo Omni configuration with 24 connectors
- Dual antennas integrated under a single radome
- Ideal for multi-carrier or 4x4 MIMO deployments
- 5 GHz U-NII FCC compliant
- Available for order with a grey, brown or black radome



PRODUCT OVERVIEW	Frequency Range (MHz)	LOW BAND		MID BAND						CBRS BAND		LAA BAND	
		(2x) 696-960		(6x) 1695-2700						(2x) 3550-3700		(2x) 5150-5925	
	Array	■ R1	■ R2	■ Y1	■ Y2	■ Y3	■ Y4	■ Y5	■ Y6	■ P1	■ P2	■ O1	■ O2
	Connector	4 PORTS		12 PORTS						4 PORTS		4 PORTS	
	Polarization	XPOL		XPOL						XPOL		XPOL	
	Azimuth Beamwidth (avg)	360°		360°						360°		360°	
	Electrical Downtilt	0°		2°, 4°, 6°						0°		0°	
	Configuration	OMNI CONFIGURATION											
	Connector Type	(24x) 4.3-10 FEMALE CONNECTORS											
	Dimensions	1219 x Ø371 mm (48.0 x Ø14.6 in)											
Radome Color Options	GREY, BROWN or BLACK												

### ELECTRICAL SPECIFICATIONS

Low Band

■ R1 ■ R2

Frequency Range		MHz	(2x) 696-960	
Frequency Sub-Range		MHz	696-806	806-960
Polarization		---	(2x) ±45°	
Gain	BASTA	dBi	3.4 ± 0.7	2.9 ± 0.8
	MAX	dBi	4.1	3.7
Azimuth Beamwidth (3 dB)		degrees	360°	
Elevation Beamwidth (3 dB)		degrees	86.4° ± 20.6°	84.9° ± 25.8°
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	> 12	> 12
Isolation	Intraband	dB	> 25	
	Interband	dB	> 28	
Input Power		Watts	500W	

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## 2C6U4MT360X12Fwxys2

### ELECTRICAL SPECIFICATIONS Mid Band

■ 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) ±45°			
Gain	BASTA	dBi	7.9 ± 0.7	8.3 ± 0.6	8.4 ± 0.6	9.2 ± 0.7
	MAX	dBi	8.6	8.9	9.0	9.9
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	23.5° ± 2.7°	21.9° ± 2.4°	20.8° ± 2.3°	17.4° ± 2.0°
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	> 12	> 12	> 12	> 12
Isolation	Intraband	dB	> 25			
	Interband	dB	> 28			
Input Power		Watts	300W			

### ELECTRICAL SPECIFICATIONS CBRS Band

■ P1 
 ■ P2

Frequency Range		MHz	(2x) 3550-3700	
Polarization		---	(2x) ±45°	
Gain	BASTA	dBi	5.3 ± 0.52	
	MAX	dBi	5.82	
Azimuth Beamwidth (3 dB)		degrees	360°	
Elevation Beamwidth (3 dB)		degrees	37.8 ± 4.6°	
Electrical Downtilt		degrees	(y) 0°	
Impedance		Ohms	50Ω	
VSWR		---	≤ 1.5:1	
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	N/A	
Upper Sidelobe Suppression		dB	> 14	
Isolation	Intraband	dB	> 25	
	Interband	dB	> 28	
Input Power		Watts	100W	

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## 2C6U4MT360X12Fwxys2

### ELECTRICAL SPECIFICATIONS LAA Band

■ O1 ■ O2

Frequency Range		MHz	(2x) 5150-5925
Polarization		---	(2x) ±45°
Gain	BASTA	dBi	5.0 ± 0.7
	MAX	dBi	5.7
Azimuth Beamwidth (3 dB)		degrees	360°
Elevation Beamwidth (3 dB)		degrees	22.6° ± 2.9°
Electrical Downtilt		degrees	(y) 0°
Impedance		Ohms	50Ω
VSWR		---	≤ 1.5:1
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	N/A
Upper Sidelobe Suppression		dB	Meets FCC requirements upper pattern control for use in LAA outdoor network
Isolation	Intraband	dB	> 25
	Interband	dB	> 28
Input Power		Watts	50W
U-NII Compliant		---	Yes

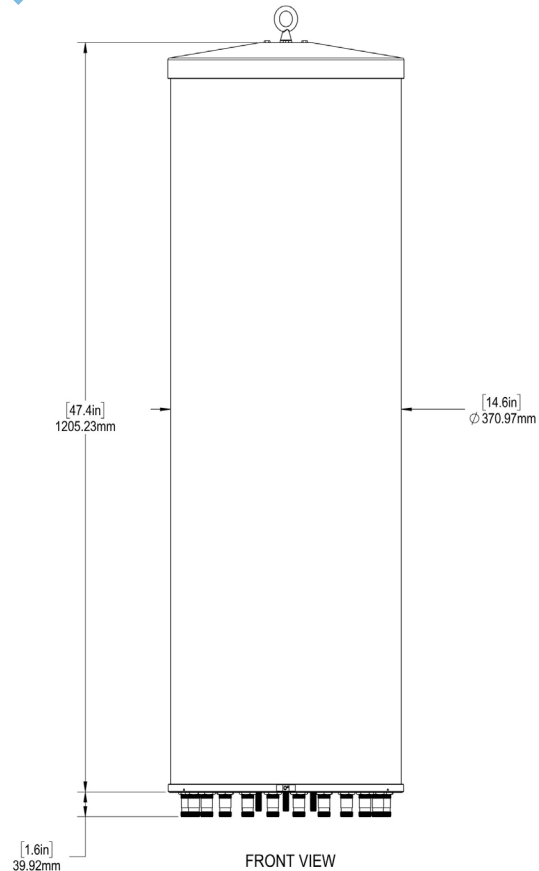
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## 2C6U4MT360X12Fwxys2

### MECHANICAL SPECIFICATIONS

<b>Antenna</b>	Height	mm (in)	1219 (48.0)
	Diameter	mm (in)	371 (14.6)
Net Weight - Antenna Only		kg (lbs)	19.1 (42.0)
Windload	Calculation	km/h (mph)	160 (100)
	Frontal	N (lbf)	391 (88)
Survival Wind Speed		km/h (mph)	241 (150)
Wind Area		m <sup>2</sup> (ft <sup>2</sup> )	0.47 (5.0)
Volume	Total	m <sup>3</sup> (ft <sup>3</sup> )	0.13 (4.7)
	Each Antenna	m <sup>3</sup> (ft <sup>3</sup> )	0.065 (2.33)
Connector	Type	---	4.3-10 Female
	Quantity	---	24
	Position	---	Bottom
Radome Color		---	Grey (Pantone 420 C), Brown (Pantone 476 C), Black (RAL 9011)
Lightning Protection (Grounding Type)		---	Direct Ground

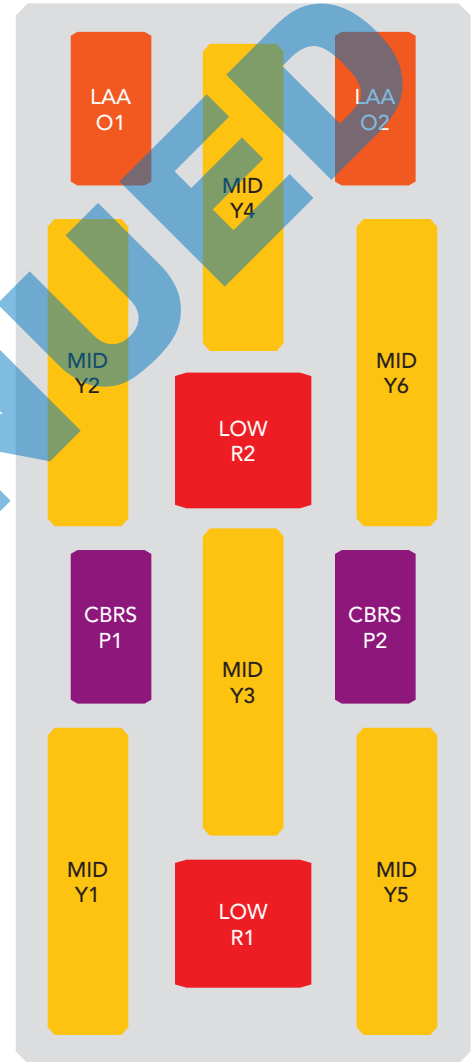


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## 2C6U4MT360X12Fwxys2

### ARRAY LAYOUT Topology

FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
LOW BAND	696-960	■ R1	1-2 (2x) 4.3-10 Female
	696-960	■ R1	3-4 (2x) 4.3-10 Female
MID BAND	1695-2700	■ Y1	5-6 (2x) 4.3-10 Female
	1695-2700	■ Y2	7-8 (2x) 4.3-10 Female
	1695-2700	■ Y3	9-10 (2x) 4.3-10 Female
	1695-2700	■ Y4	11-12 (2x) 4.3-10 Female
	1695-2700	■ Y5	13-14 (2x) 4.3-10 Female
	1695-2700	■ Y6	15-16 (2x) 4.3-10 Female
CBRS BAND	3550-3700	■ P1	17-18 (2x) 4.3-10 Female
	3550-3700	■ P2	19-20 (2x) 4.3-10 Female
LAA BAND	5150-5925	■ O1	21-22 (2x) 4.3-10 Female
	5150-5925	■ O2	23-24 (2x) 4.310 Female



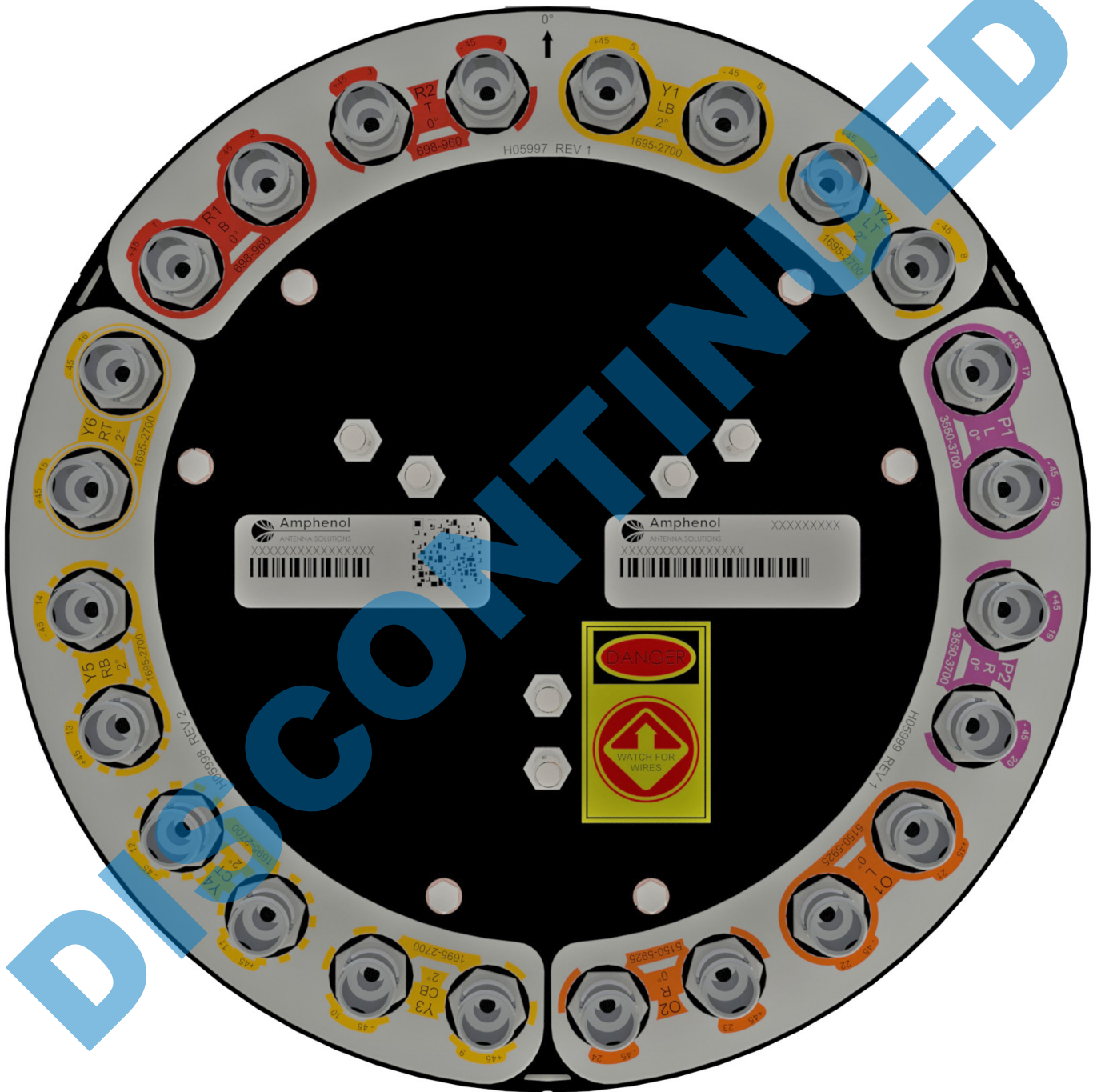
The illustration is not shown to scale.

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## 2C6U4MT360X12Fwxys2

### BOTTOM VIEW - LABELING



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## 2C6U4MT360X12Fwxys2

**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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## 2C6U4MT360X12Fwxy<sub>2</sub>

### HOW TO READ THE MODEL NUMBER Each letter and number has meaning.

NUMBER OF BANDS & OPERATING FREQUENCY				PATTERN TYPE	AZIMUTH BMWIDTH	POLARIZATION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
2C	6U	4M		T	360	X	12	F	wxy	s	2	BK BR
(2x) 696-960	(6x) 1695-2700	(2x) 3550-3700	(2x) 5150-5925	Tri-Sector	360°	XPOL	1.2 meters	Fixed Tilt	These letters are placeholders for fixed tilt options.  Refer to Electrical Specifications for available tilt options.	4.3-10 Connector	This is a variation of an existing product.  Another similar product is available.	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

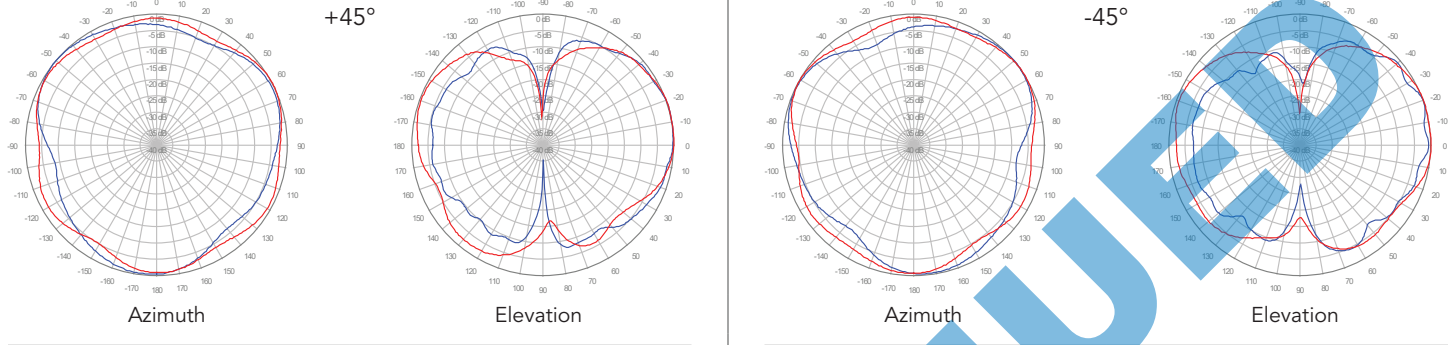
SELECT RADOME COLOR	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND				ORDER MODEL NUMBER
	LOW BAND	MID BAND	CBRS BAND	LAA BAND	
Grey Pantone 420 C	0°	2°	0°	0°	2C6U4MT360X12F020s2
	0°	4°	0°	0°	2C6U4MT360X12F040s2
	0°	6°	0°	0°	2C6U4MT360X12F060s2
Brown Pantone 476 C	0°	2°	0°	0°	2C6U4MT360X12F020s2BR
	0°	4°	0°	0°	2C6U4MT360X12F040s2BR
	0°	6°	0°	0°	2C6U4MT360X12F060s2BR
Black RAL 9011	0°	2°	0°	0°	2C6U4MT360X12F020s2BK
	0°	4°	0°	0°	2C6U4MT360X12F040s2BK
	0°	6°	0°	0°	2C6U4MT360X12F060s2BK

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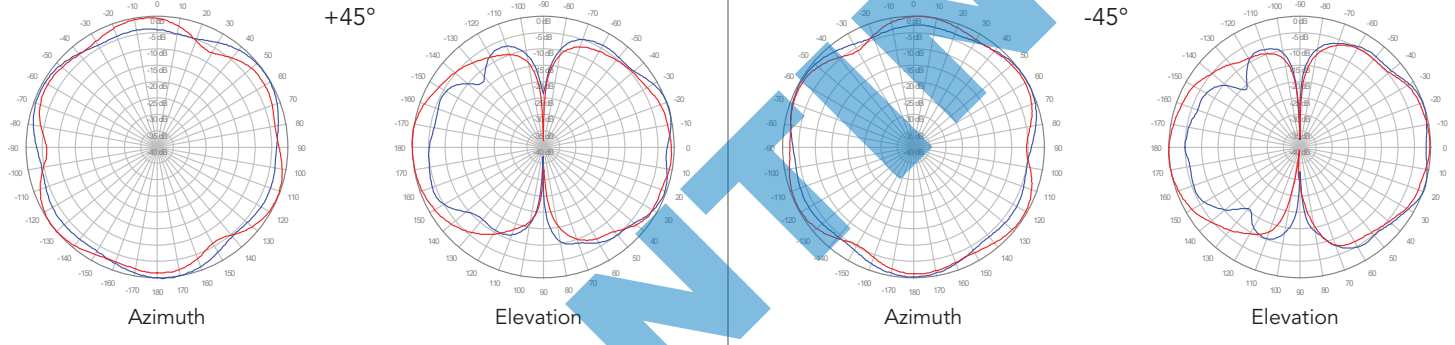
2C6U4MT360X12Fwxys2

750 MHz ————  
850 MHz ————

■ R1, 0° TILT



■ R2, 0° TILT



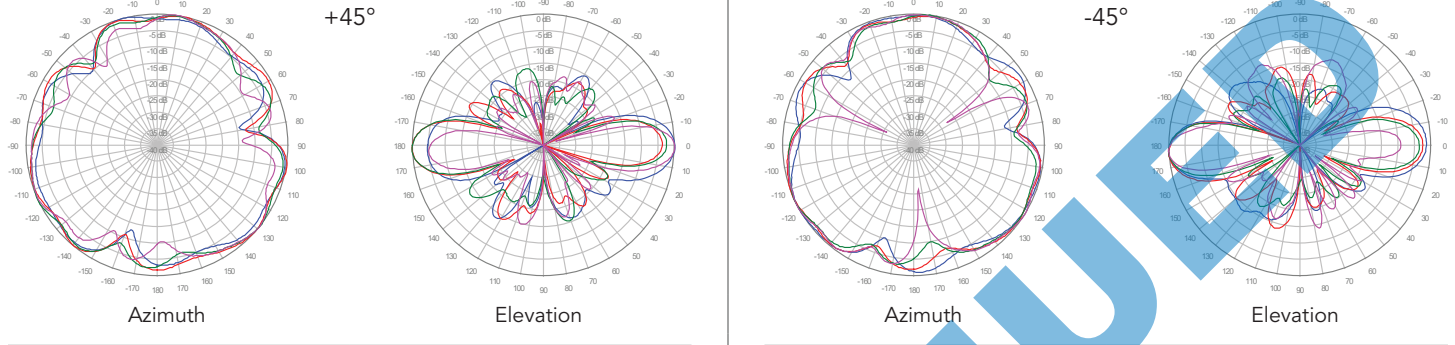
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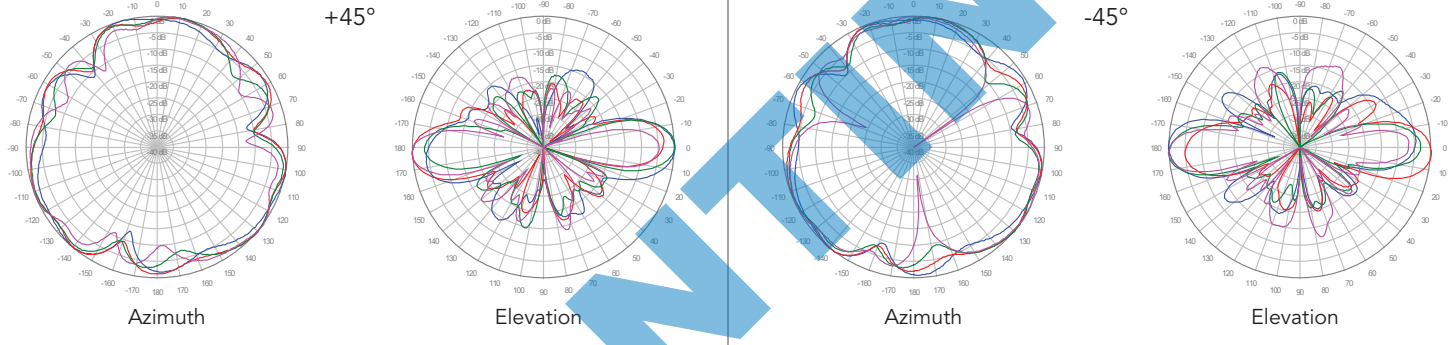
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1800 MHz ———  
1900 MHz ———  
2100 MHz ———  
2600 MHz ———

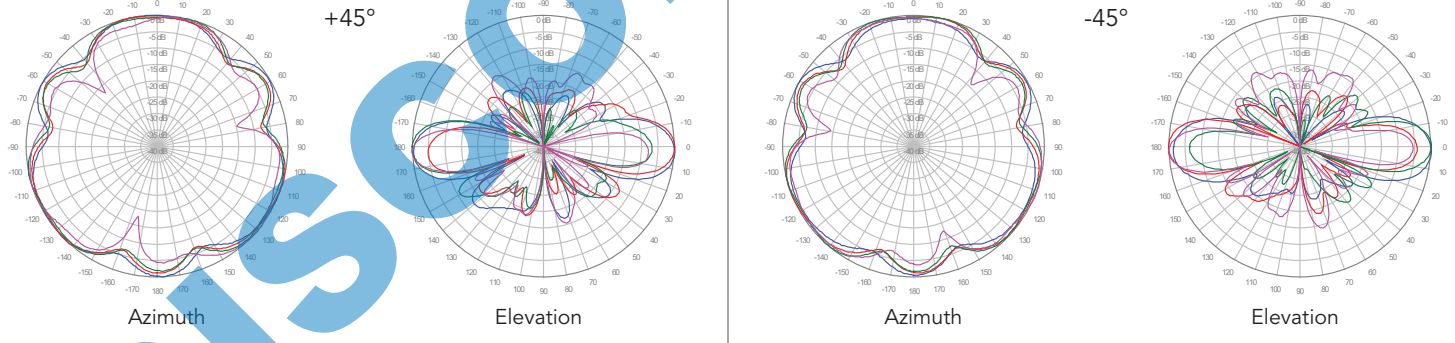
### Y1, 2° TILT



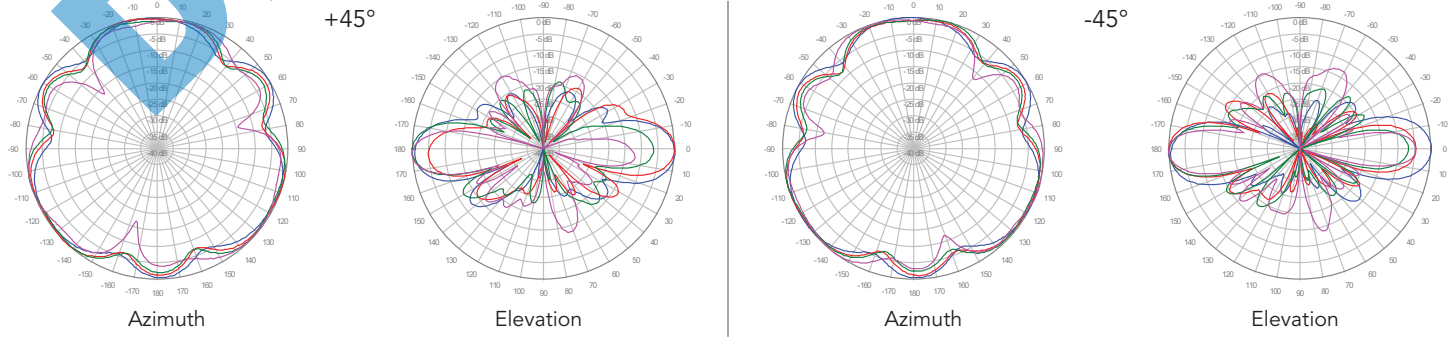
### Y2, 2° TILT



### Y3, 2° TILT



### Y4, 2° TILT

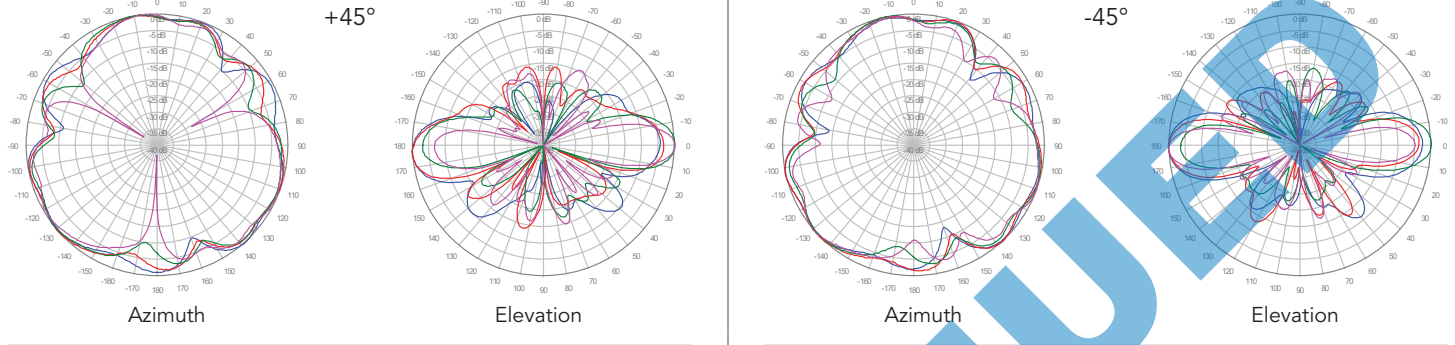


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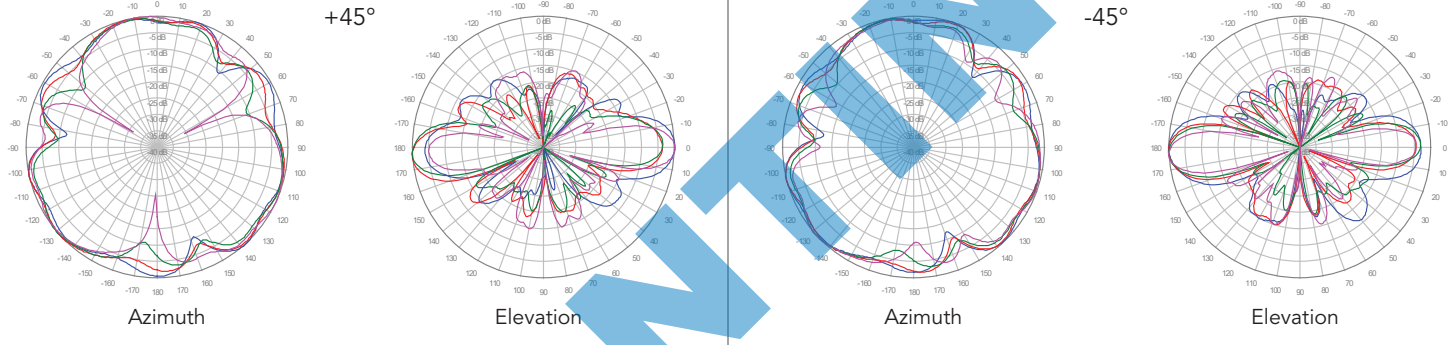
2C6U4MT360X12Fwxys2

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

■ Y5, 2° TILT



■ Y6, 2° TILT



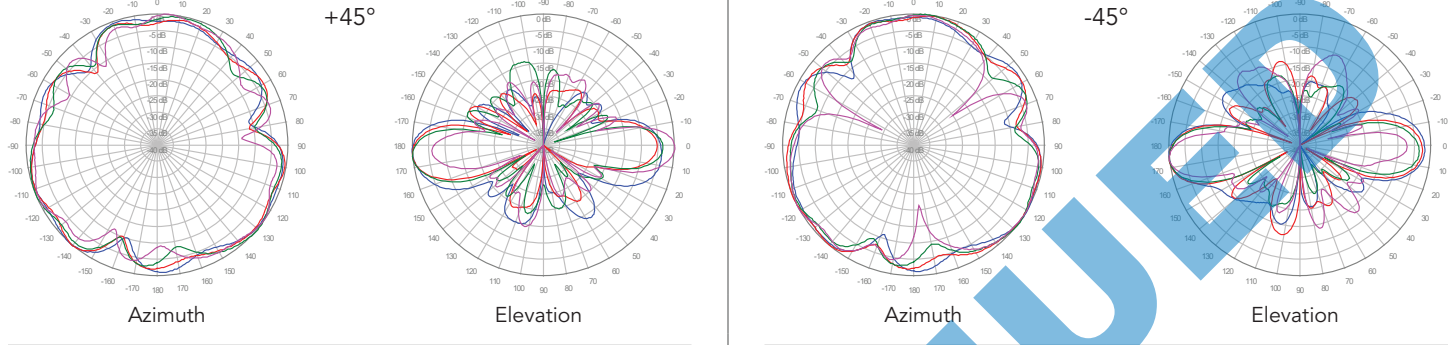
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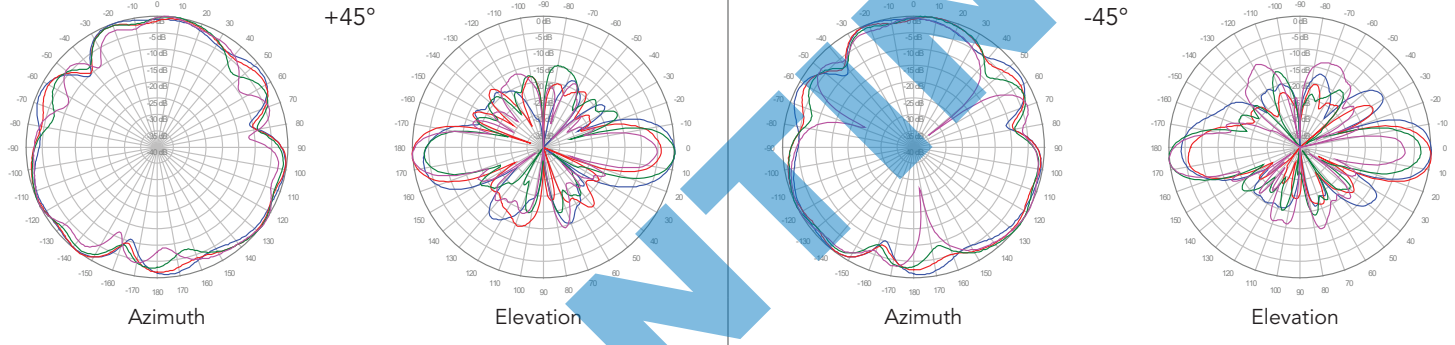
## 2C6U4MT360X12Fwxys2

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

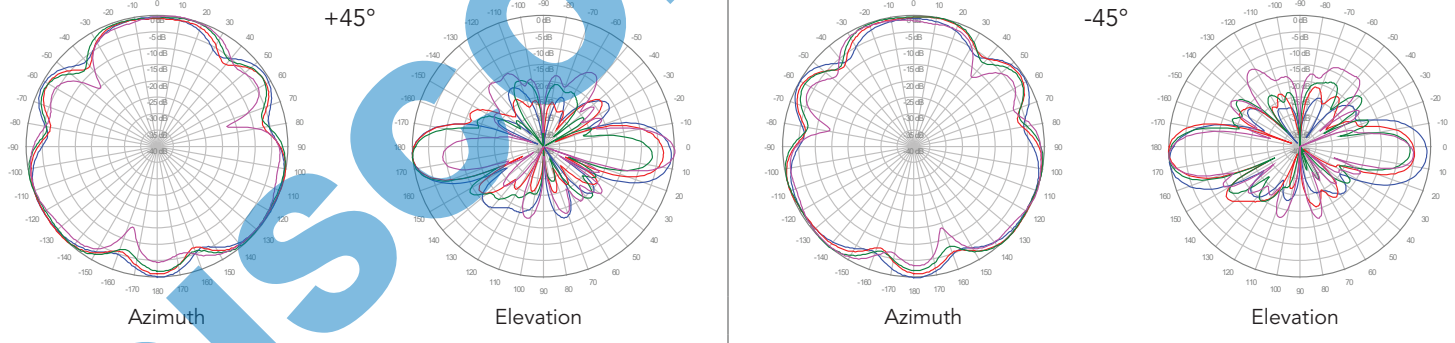
### Y1, 4° TILT



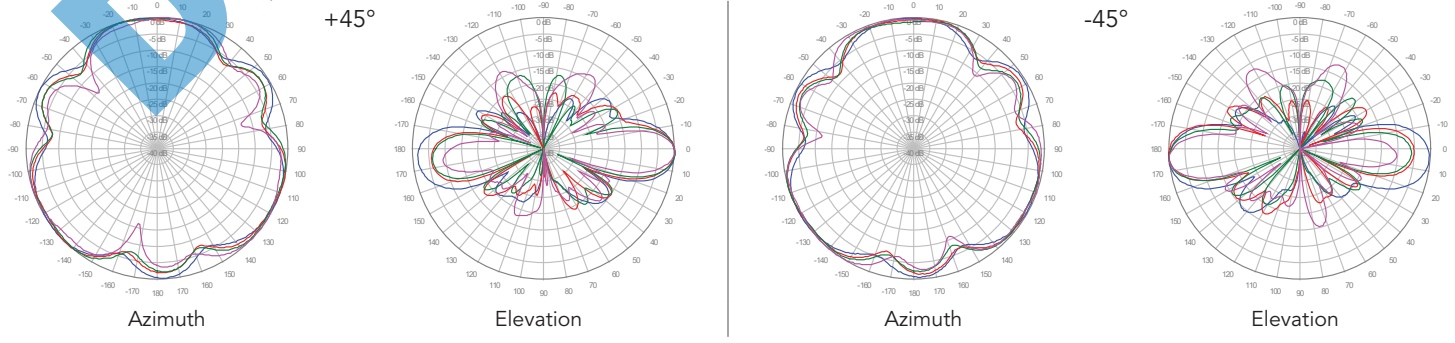
### Y2, 4° TILT



### Y3, 4° TILT



### Y4, 4° TILT

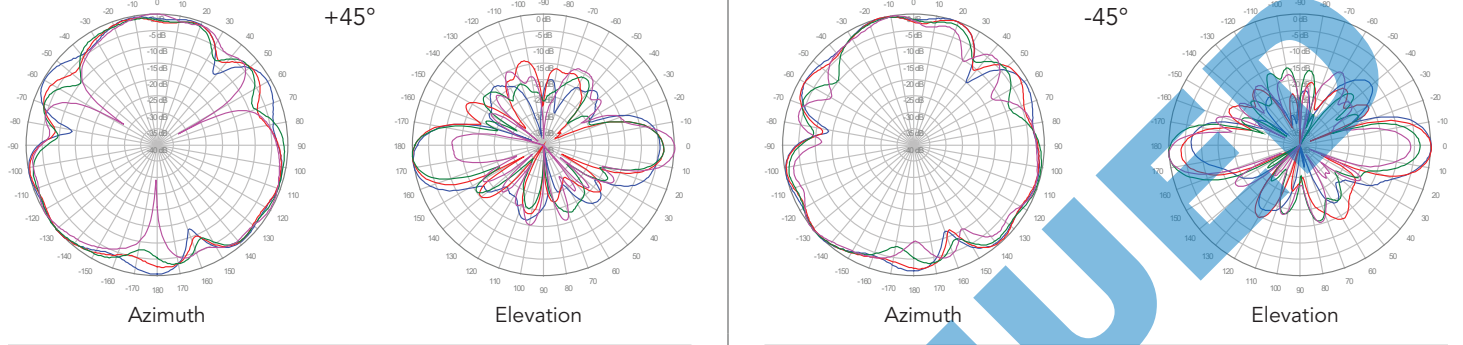


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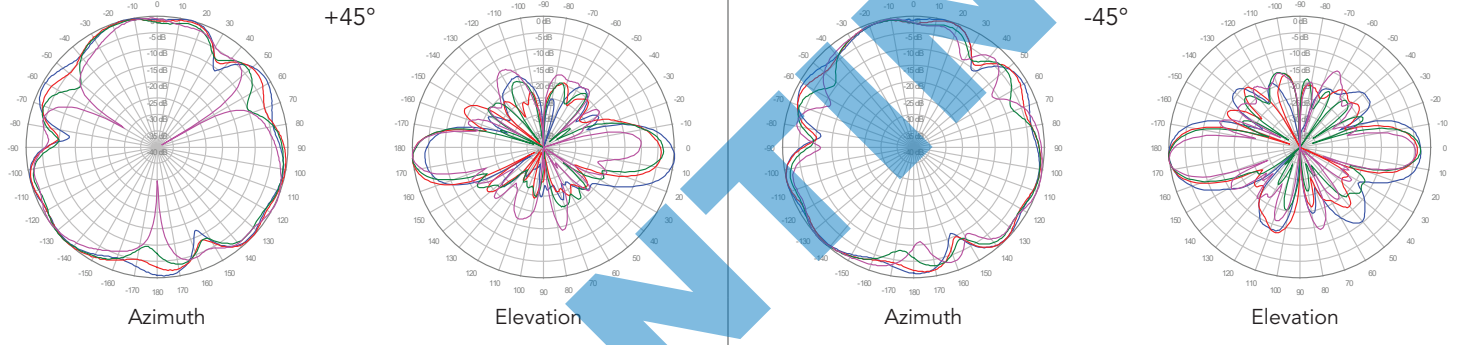
2C6U4MT360X12Fwxys2

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

■ Y5, 4° TILT



■ Y6, 4° TILT



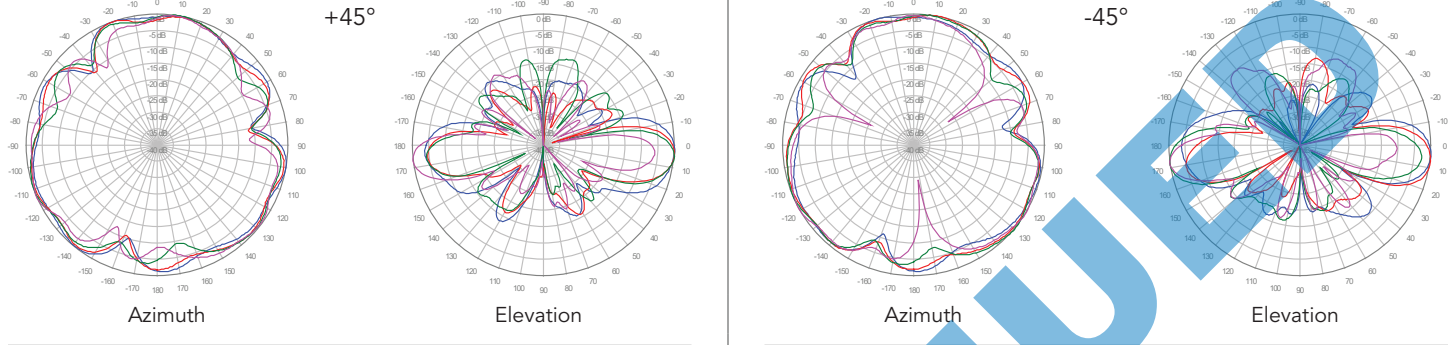
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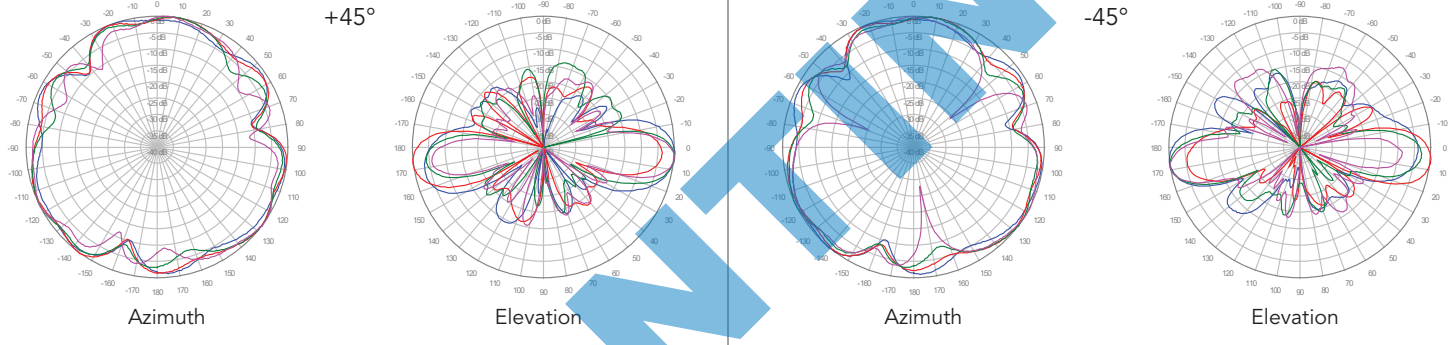
**2C6U4MT360X12Fwxys2**

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

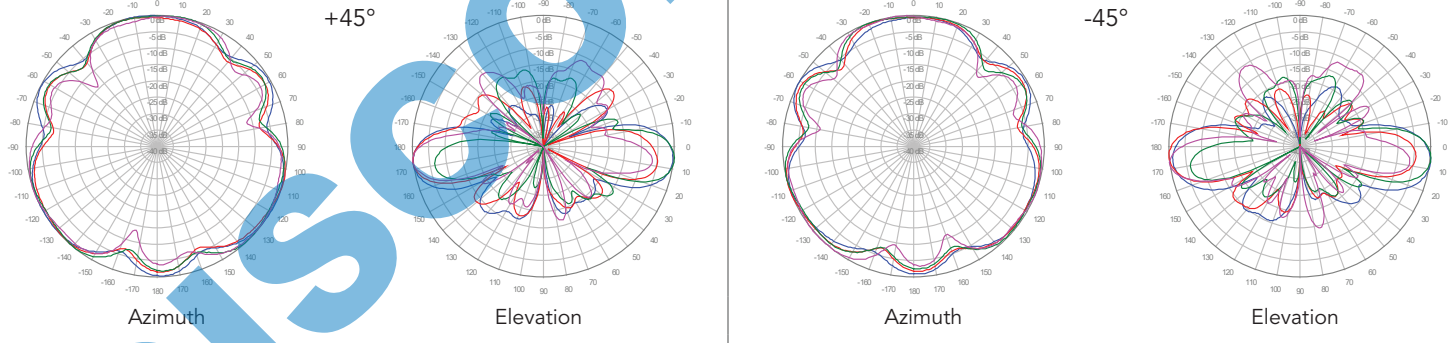
**Y1, 6° TILT**



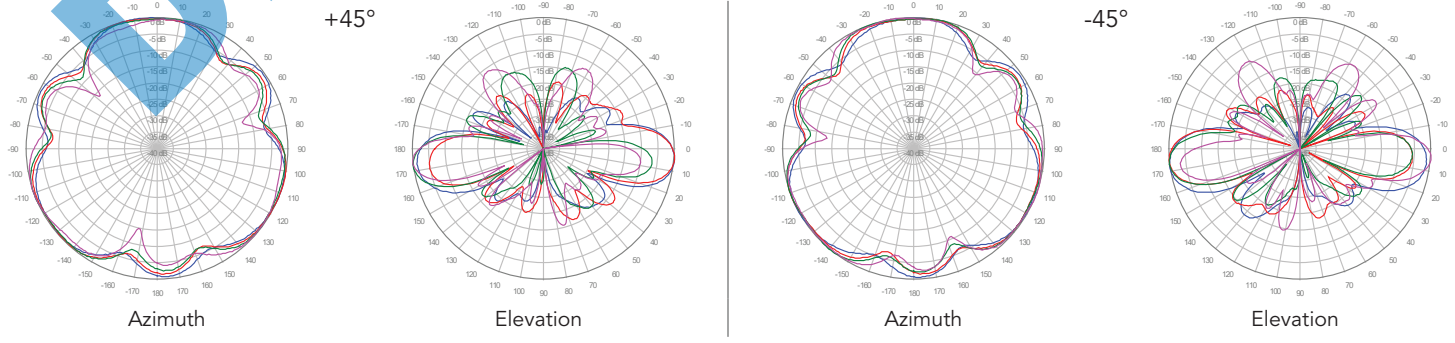
**Y2, 6° TILT**



**Y3, 6° TILT**



**Y4, 6° TILT**

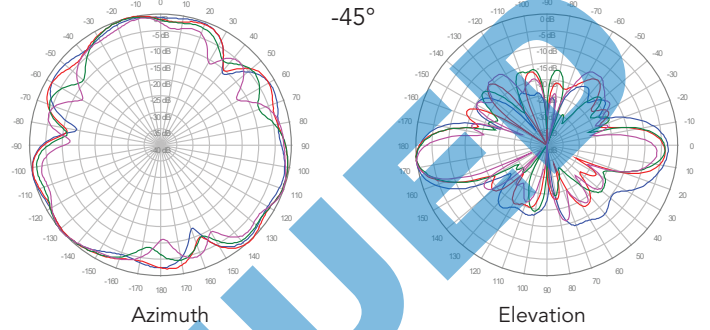
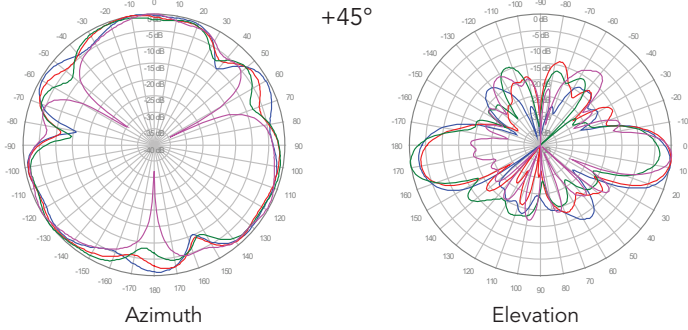


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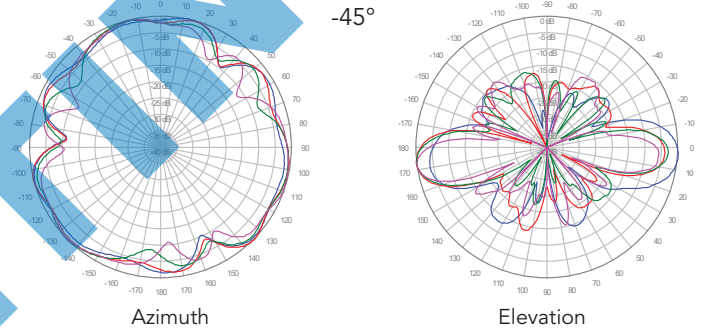
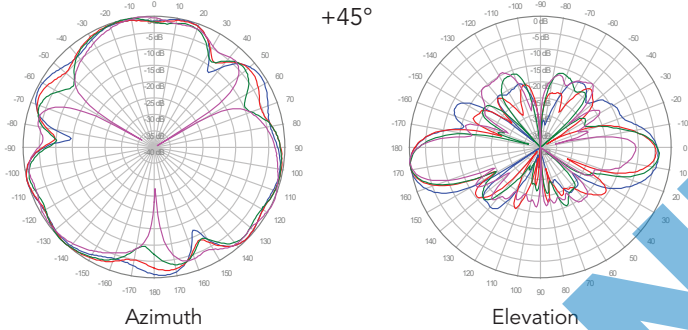
2C6U4MT360X12Fwxys2

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

■ Y5, 6° TILT



■ Y6, 6° TILT

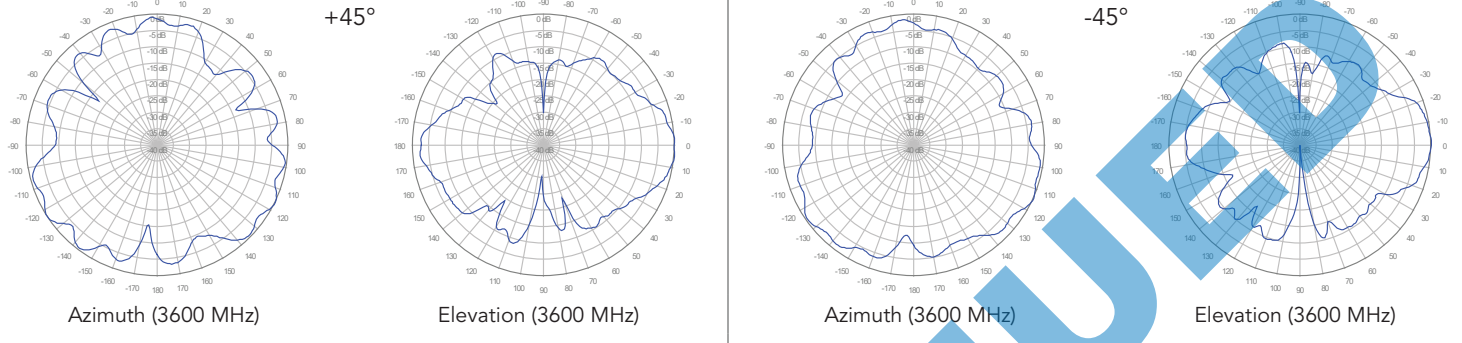


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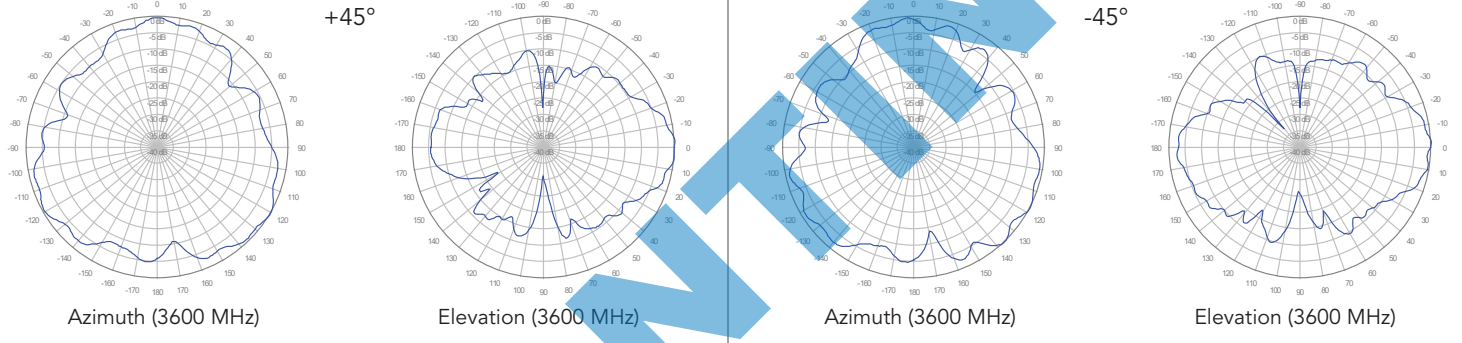
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# 2C6U4MT360X12Fwxys2

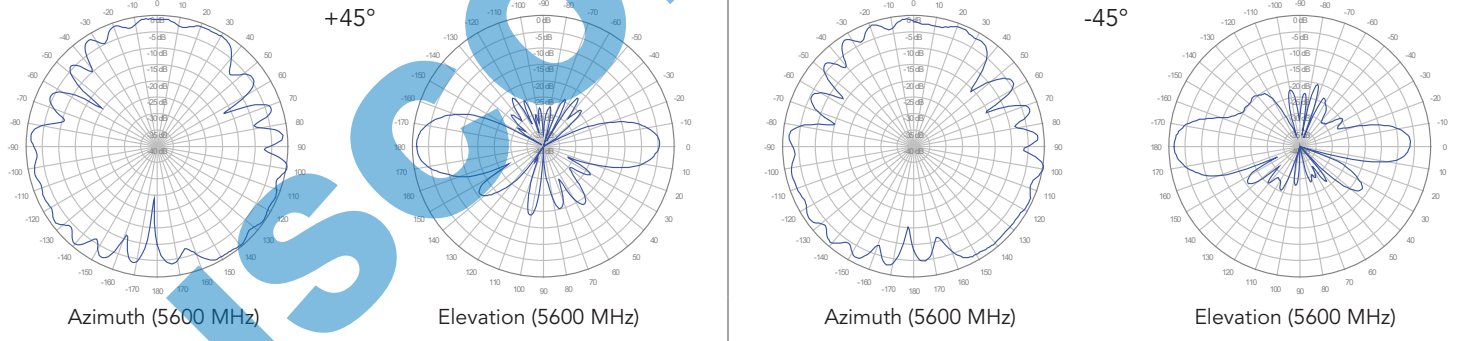
**P1, 0° TILT**



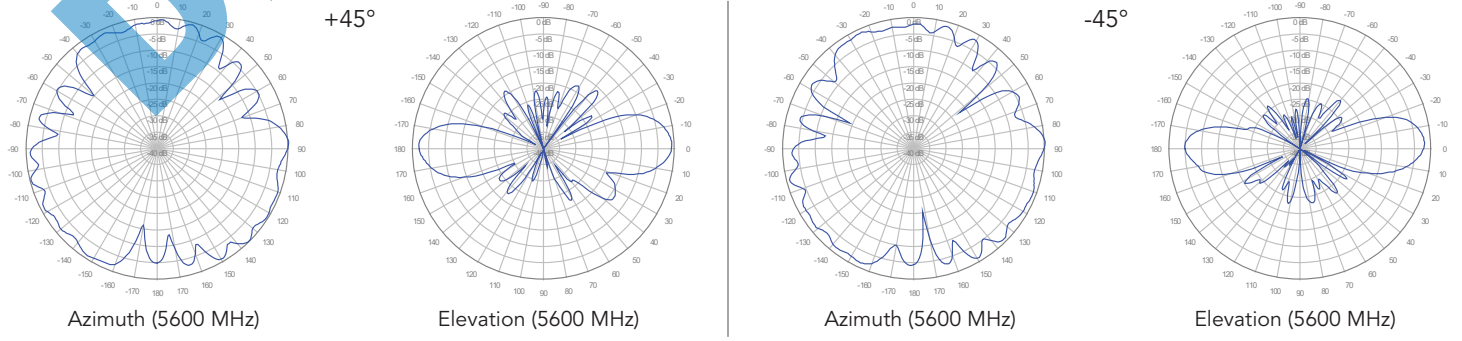
**P2, 0° TILT**



**O1, 0° TILT**



**O2, 0° TILT**



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