20-Port Canister Antenna

(4x) 1695-2700 | (6x) 3300-4200 MHz

OMNI | 24.0 IN | FIXED TILT

4U6VT360X06Fxys4

Features

- Pseudo omni configuration with 20 connectors
- Ideal for multi-carrier or 4x4 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)	(4x) 1695-2700	(6x) 3300-4200
	Array	Y1, Y2, Y3, Y4	P1, P2, P3, P4, P5, P6
	Connector	8 PORTS	12 PORTS
	Polarization	XPOL	XPOL
	Azimuth Beamwidth (avg)	360°	360°
	Electrical Downtilt	2°	2°
	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)	3600 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 — **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	8.5 ± 1.2	8.9 ± 1.0	8.8 ± 1.2	9.8 ± 1.2
	MAX	dBi	9.7	9.9	10.0	11.0
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	20.0° ± 4.0°	19.7° ± 3.9°	19.0° ± 3.8°	15.3° ± 2.6°
Electrical Downtilt		degrees	(x) 2°			
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	> 24			
	Interband	dB	> 25			

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

4U6VT360X06Fxys4

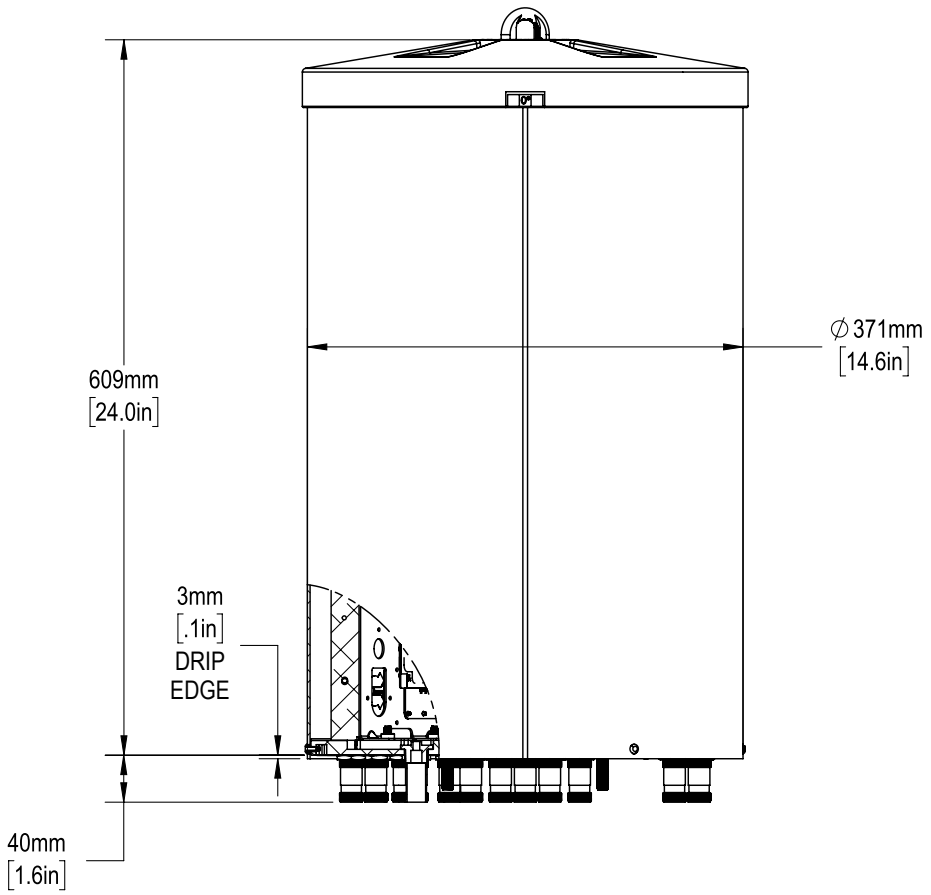
ELECTRICAL SPECIFICATIONS ■ P1 ■ P2 ■ P3 ■ P4 ■ P5 ■ P6

Frequency Range		MHz	(4x) 3300-4200		(2x) 3300-4200	
Frequency Sub-Range		MHz	3300-3700	3700-4200	3300-3700	3700-4200
Polarization		---	(4x) ±45°		(2x) ±45°	
Gain	BASTA	dBi	9.6 ± 1.0	10.5 ± 0.8	6.3 ± 0.6	8.3 ± 1.3
	MAX	dBi	10.6	11.3	6.9	9.6
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	12.1° ± 1.7°	11.0° ± 2.0°	33.6° ± 5.9°	28.7° ± 7.8°
Electrical Downtilt		degrees	(y) 2°			
Impedance		Ohms	50Ω			
VSWR		---	< 1.5:1			
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153			
Upper Sidelobe Suppression		dB	> 15			
Isolation	Intraband	dB	> 25			
	Interband	dB	> 28			

4U6VT360X06Fxys4

MECHANICAL SPECIFICATIONS

Antenna	Height		mm (in)	609 (24.0)
	Diameter		mm (in)	371 (14.6)
Net Weight - Antenna Only			kg (lbs)	15 (33)
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 (Pantone 420 C), Brown (Pantone 476 C), Black (RAL 9011)
Lightning Protection (Grounding Type)			---	Direct Ground



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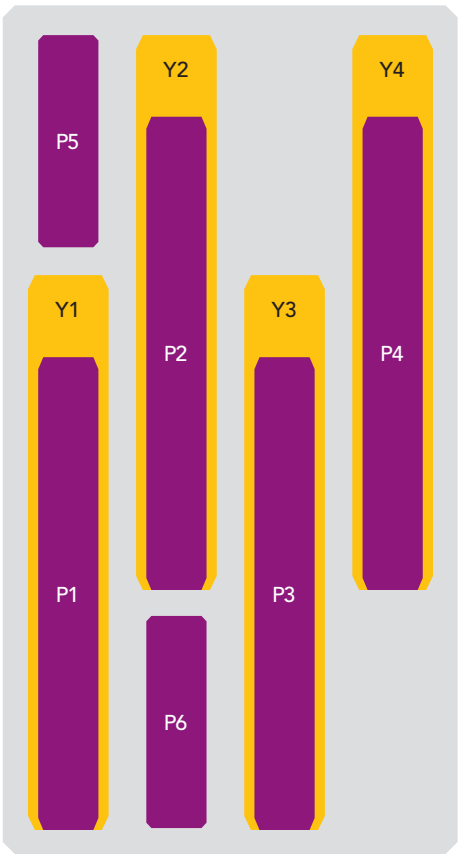
4U6VT360X06Fxys4

ARRAY LAYOUT Topology

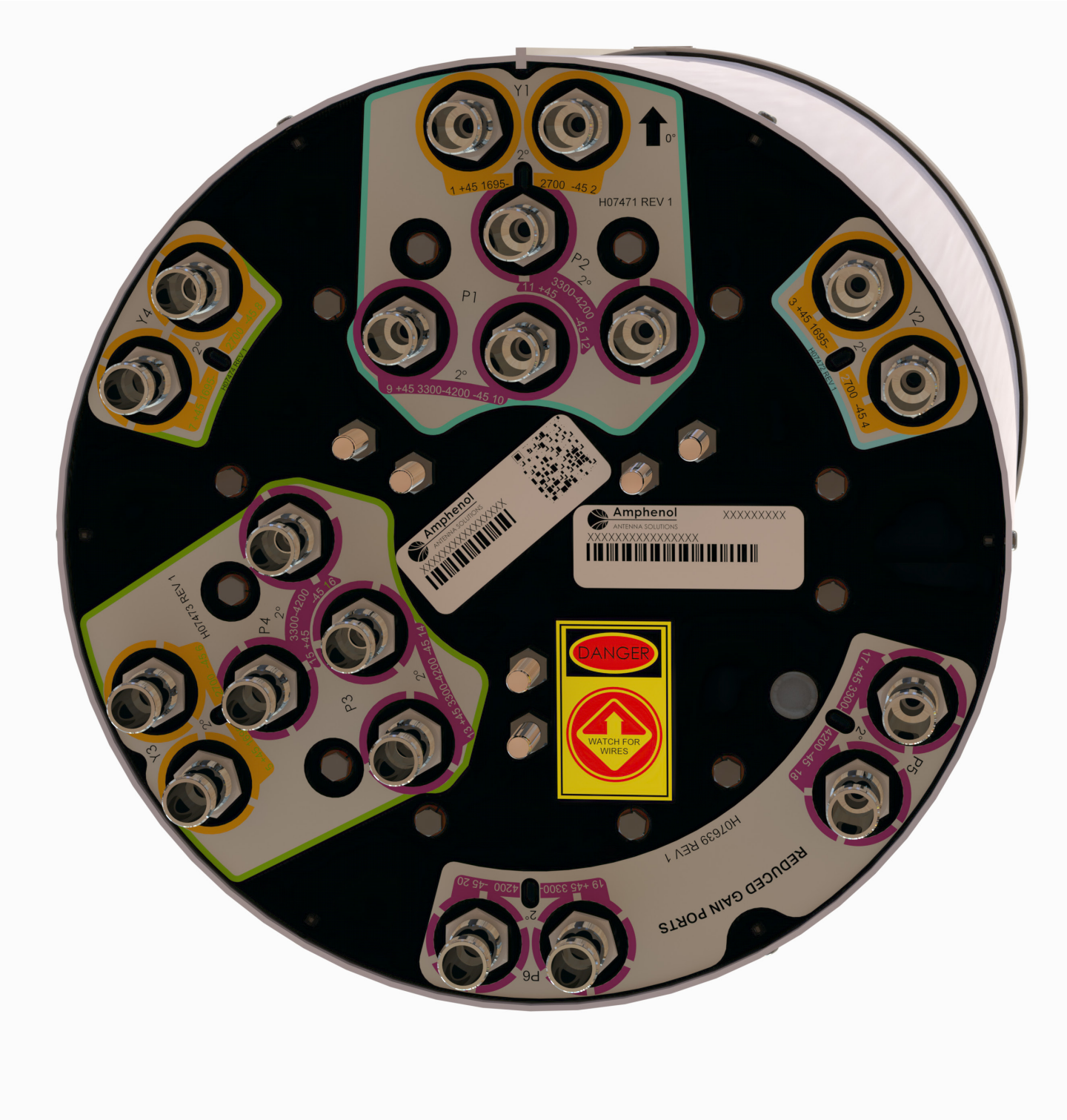
FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
1695-2700 MHz	Y1	1-2	(2x) 4.3-10 Female
1695-2700 MHz	Y2	3-4	(2x) 4.3-10 Female
1695-2700 MHz	Y3	5-6	(2x) 4.3-10 Female
1695-2700 MHz	Y4	7-8	(2x) 4.3-10 Female
3300-4200 MHz	P1	9-10	(2x) 4.3-10 Female
3300-4200 MHz	P2	11-12	(2x) 4.3-10 Female
3300-4200 MHz	P3	13-14	(2x) 4.3-10 Female
3300-4200 MHz	P4	15-16	(2x) 4.3-10 Female
3300-4200 MHz	P5	17-18	(2x) 4.3-10 Female
3300-4200 MHz	P6	19-20	(2x) 4.3-10 Female



The illustration is not shown to scale.

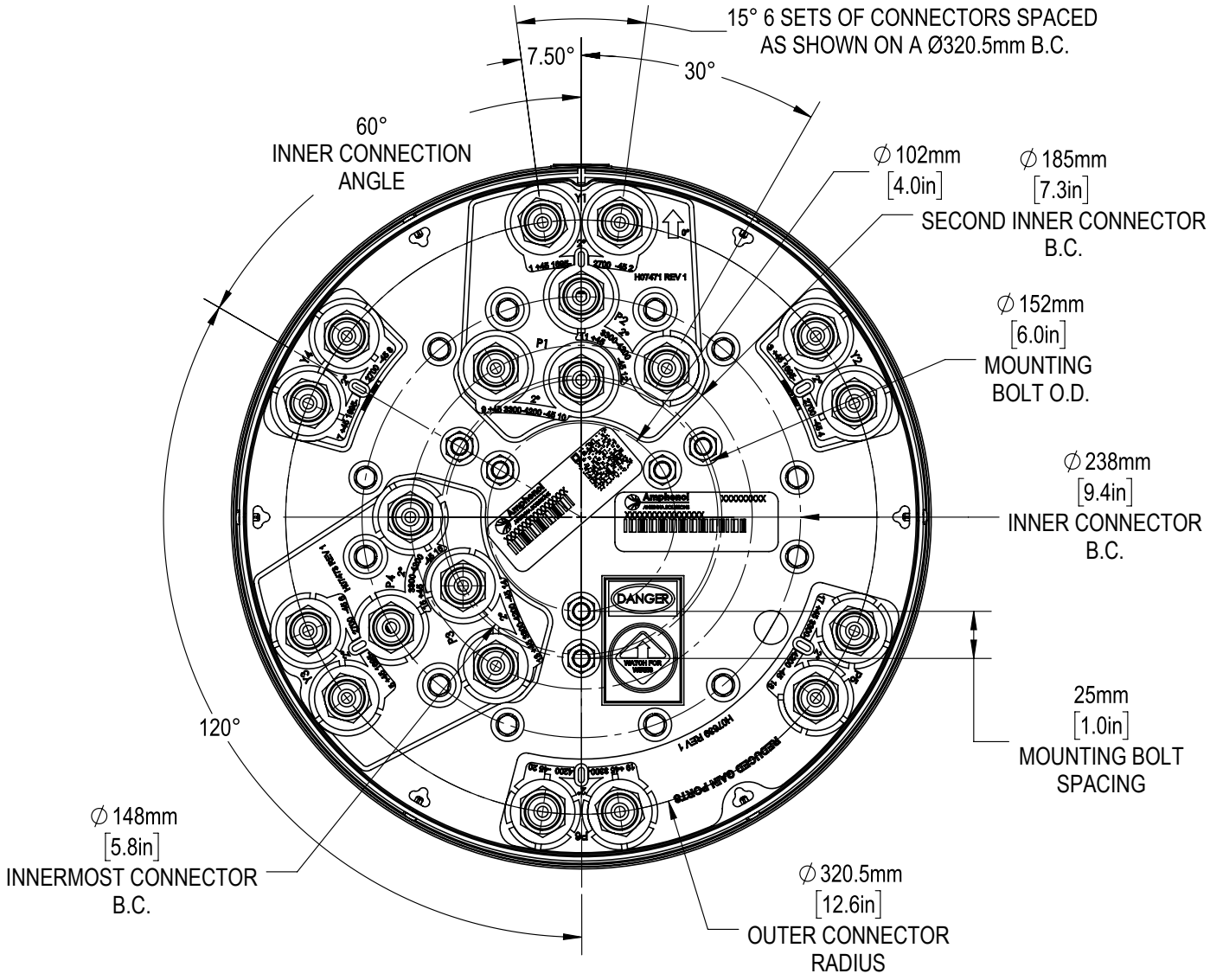
4U6VT360X06Fxys4

BOTTOM VIEW - LABELING



4U6VT360X06Fxys4

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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4U6VT360X06Fxys4

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.

4U6VT360X06Fxys4

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

NUMBER OF BANDS & OPERATING FREQUENCY		PATTERN TYPE	AZIMUTH BMWDTH	POLARIZA-TION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
4U	6V	T	360	X	06	F	xy	s	4	BK BR
(4x) 1695-2700	(6x) 3300-4200	Tri-Sector	360°	XPOL	0.6 meters	Fixed Tilt	These letters are placehold-ers for fixed tilt options. Refer to Electrical Specifications for available tilt options.	4.3-10 Connector	Generation 4 enhanced mechanical package	BK indicates a Black radome. BR indicates a Brown radome. The default radome color is Grey. No letters are re-quired for a Grey radome.

ORDERING OPTIONS Select from the following ordering options

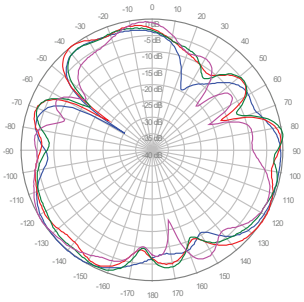
SELECT RADOME COLOR	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND		ANTENNA MODEL
	1695-2700 MHz	3300-4200 MHz	
Grey Pantone 420 C	2°	2°	4U6VT360X06F22s4
Brown Pantone 476 C	2°	2°	4U6VT360X06F22s4BR
Black RAL 9011	2°	2°	4U6VT360X06F22s4BK

4U6VT360X06Fxys4

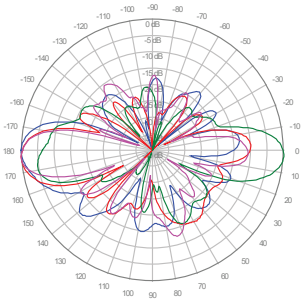
1800 MHz
1900 MHz
2100 MHz
2600 MHz

Y1, 2° TILT

+45°

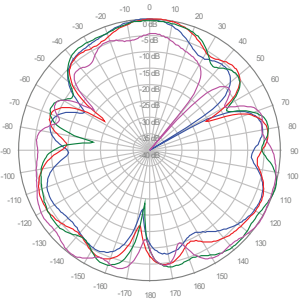


Azimuth



Elevation

-45°



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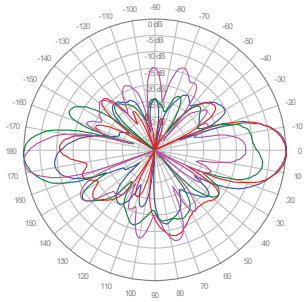
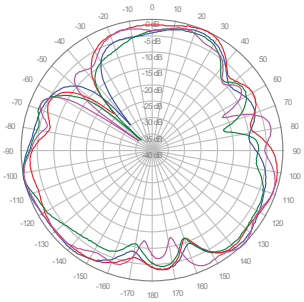


Elevation

Y2, 2° TILT

+45°



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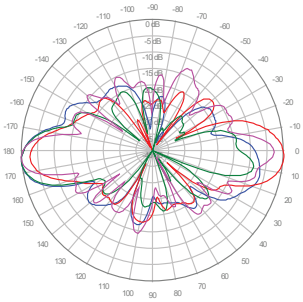
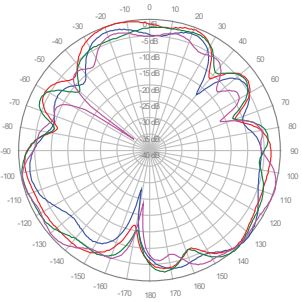


Elevation

-45°



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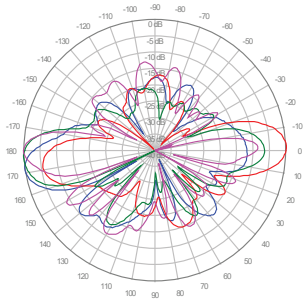
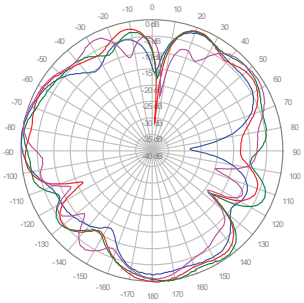


Elevation

Y3, 2° TILT

+45°



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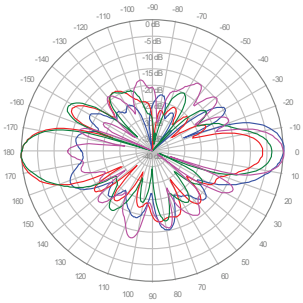
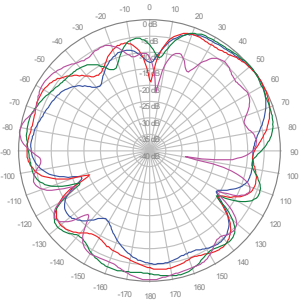


Elevation

-45°



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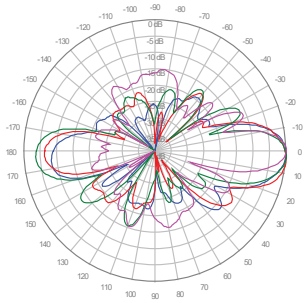
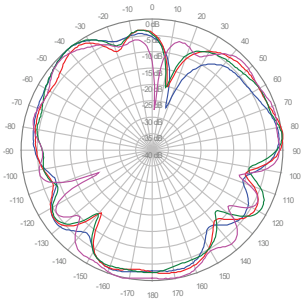


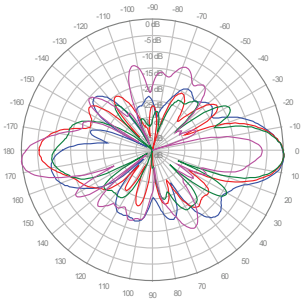
Elevation

Y4, 2° TILT

+45°

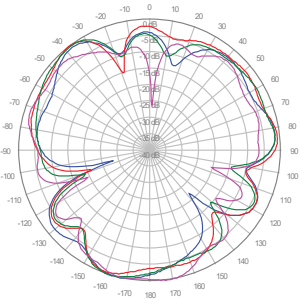


Azimuth

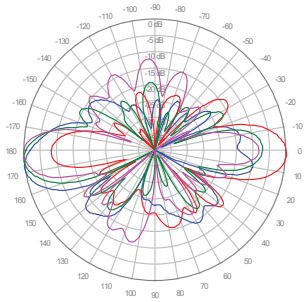


Elevation

-45°



Azimuth



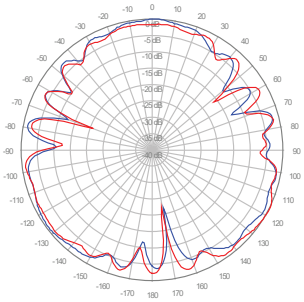
Elevation

4U6VT360X06Fxys4

3600 MHz
4000 MHz

P1, 2° TILT

+45°



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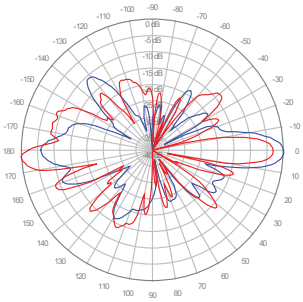
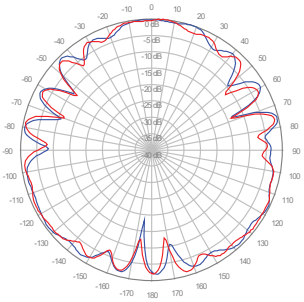


Elevation

-45°



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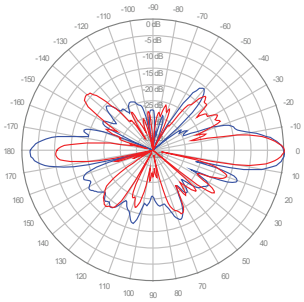
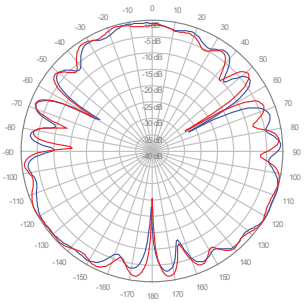


Elevation

P2, 2° TILT

+45°



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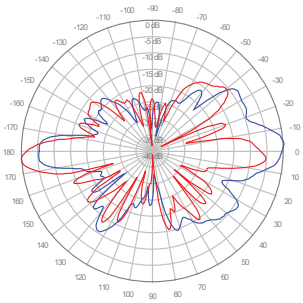
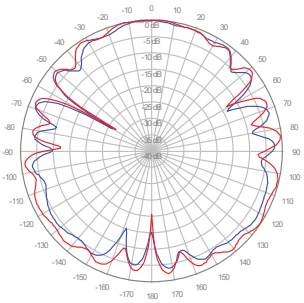


Elevation

-45°



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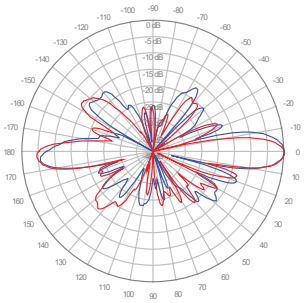
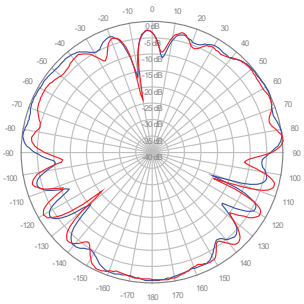


Elevation

P3, 2° TILT

+45°



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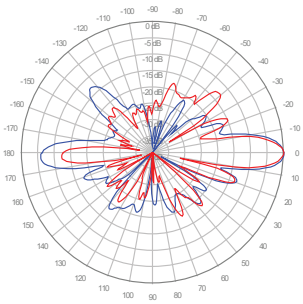
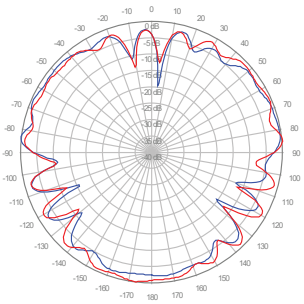


Elevation

-45°



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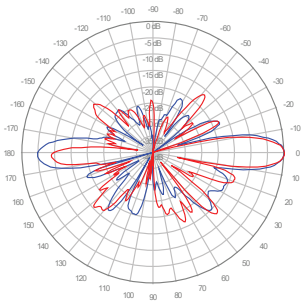
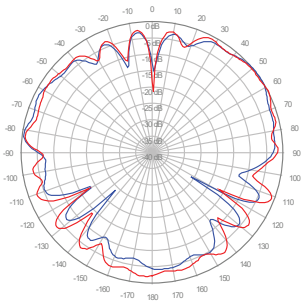


Elevation

P4, 2° TILT

+45°



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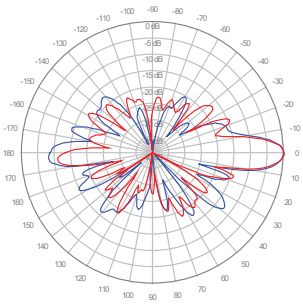
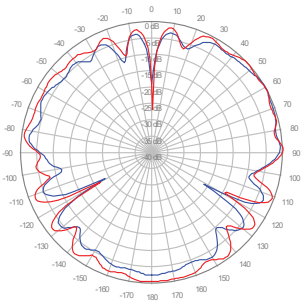


Elevation

-45°



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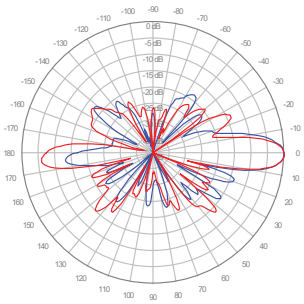


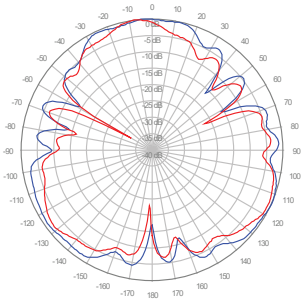
Elevation

4U6VT360X06Fxys4

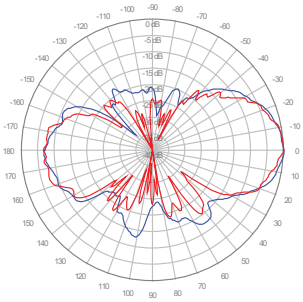
3600 MHz
4000 MHz

P5, 2° TILT

+45°

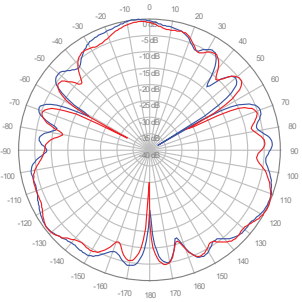


Azimuth

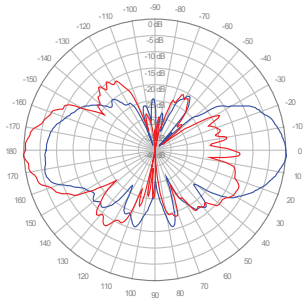


Elevation

-45°



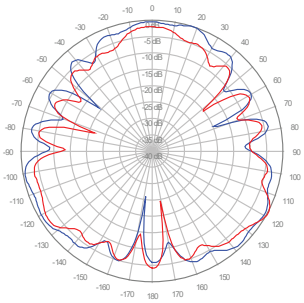
Azimuth



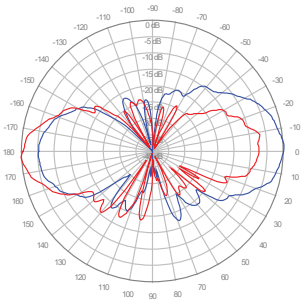
Elevation

P6, 2° TILT

+45°

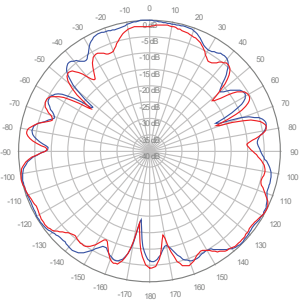


Azimuth

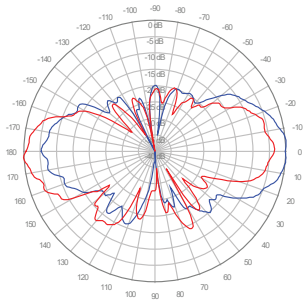


Elevation

-45°



Azimuth



Elevation