

CUUT360X06Fxyz0



Features

- Omni configuration with 6 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3-10 or 7/16-DIN connectors
- Four unique mounting options
- Available for order with a grey, brown or black radome

PRODUCT OVERVIEW	Frequency Range (MHz)	LOW	MID	
		(1x) 696-960	(2x) 1695-2700	
	Array	R1	Y1	Y2
	Connector	2 PORTS	4 PORTS	
	Polarization	XPOL	XPOL	
	Azimuth Beamwidth (avg)	360°	360°	
	Electrical Downtilt	0°, 5°	0°, 4°, 6°	
	Configuration	OMNI CONFIGURATION		
	Total Connector Count	6 PORTS		
	Connector Type	4.3-10 FEMALE or 7/16-DIN FEMALE		
	Dimensions	615 x Ø371 mm (24.2 x Ø14.6 in)		
Radome Color Options	GREY, BROWN or BLACK			

ELECTRICAL SPECIFICATIONS Low Band

■ R1

Frequency Range		MHz	(1x) 696-960	
Frequency Sub-Range		MHz	696-806	806-960
Polarization		---	(1x) ±45°	
Gain	BASTA	dBi	6.3 ± 2.0	5.6 ± 1.4
	MAX	dBi	8.3	7.0
Azimuth Beamwidth (3 dB)		degrees	360°	360°
Elevation Beamwidth (3 dB)		degrees	47.5° ± 5.2°	35.4° ± 7.8°
Electrical Downtilt		degrees	(x) 0°, 5°	
Impedance		Ohms	50Ω	
VSWR		---	≤ 1.5:1	
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153	
Upper Sidelobe Suppression		dB	N/A	
Isolation Between Ports		dB	20	
Input Power		Watts	500W	

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ELECTRICAL SPECIFICATIONS Mid Band

Y1 Y2

Frequency Range		MHz	(2x) 1695-2700			
Frequency Sub-Range		MHz	1695-1880	1850-1990	1920-2200	2300-2700
Polarization		---	(2x) $\pm 45^\circ$			
Gain	BASTA	dBi	9.4 ± 0.5	9.4 ± 0.6	9.6 ± 0.6	9.8 ± 0.6
	MAX	dBi	9.9	10.0	10.2	10.4
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	$17.4^\circ \pm 1.7^\circ$	$16.0^\circ \pm 1.1^\circ$	$15.3^\circ \pm 1.2^\circ$	$12.6^\circ \pm 1.4^\circ$
Electrical Downtilt		degrees	(y) 0°, 4°, 6°			
Impedance		Ohms	50Ω			
VSWR		---	$\leq 1.5:1$			
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153			
Upper Sidelobe Suppression		dB	> 12			
Isolation Between Ports		dB	25			
Input Power		Watts	300W			

ARRAY LAYOUT Topology

FREQUENCY		ARRAY	CONNECTOR	CONNECTOR TYPE
LOW BAND	696-960	R1	1-2	(2x) 4.3-10 Female or 7/16-DIN Female
	1695-2700	Y1	3-4	(2x) 4.3-10 Female or 7/16-DIN Female
MID BAND	1695-2700	Y2	5-6	(2x) 4.3-10 Female or 7/16-DIN Female



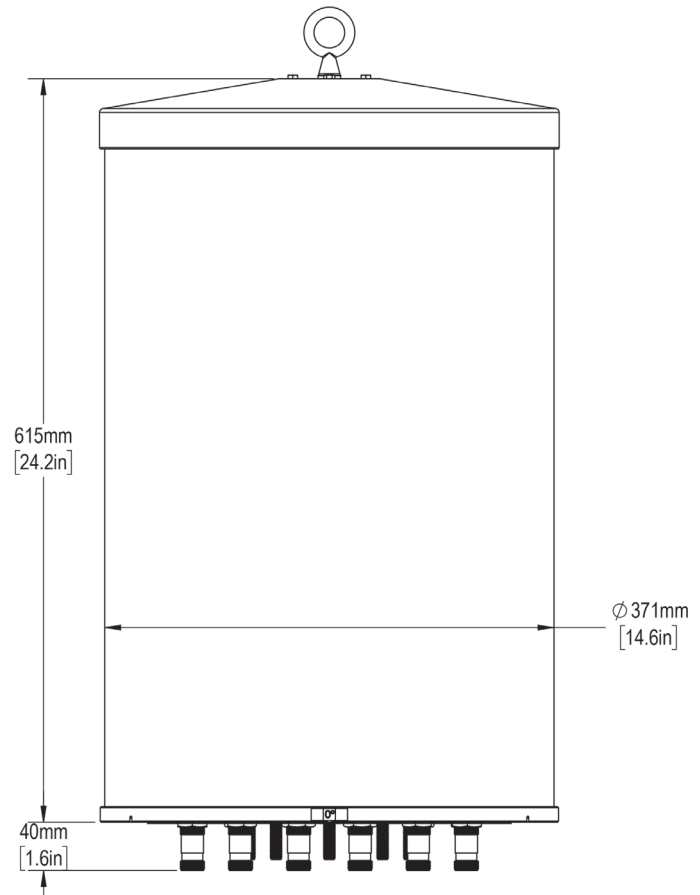
The illustration is not shown to scale.

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MECHANICAL SPECIFICATIONS

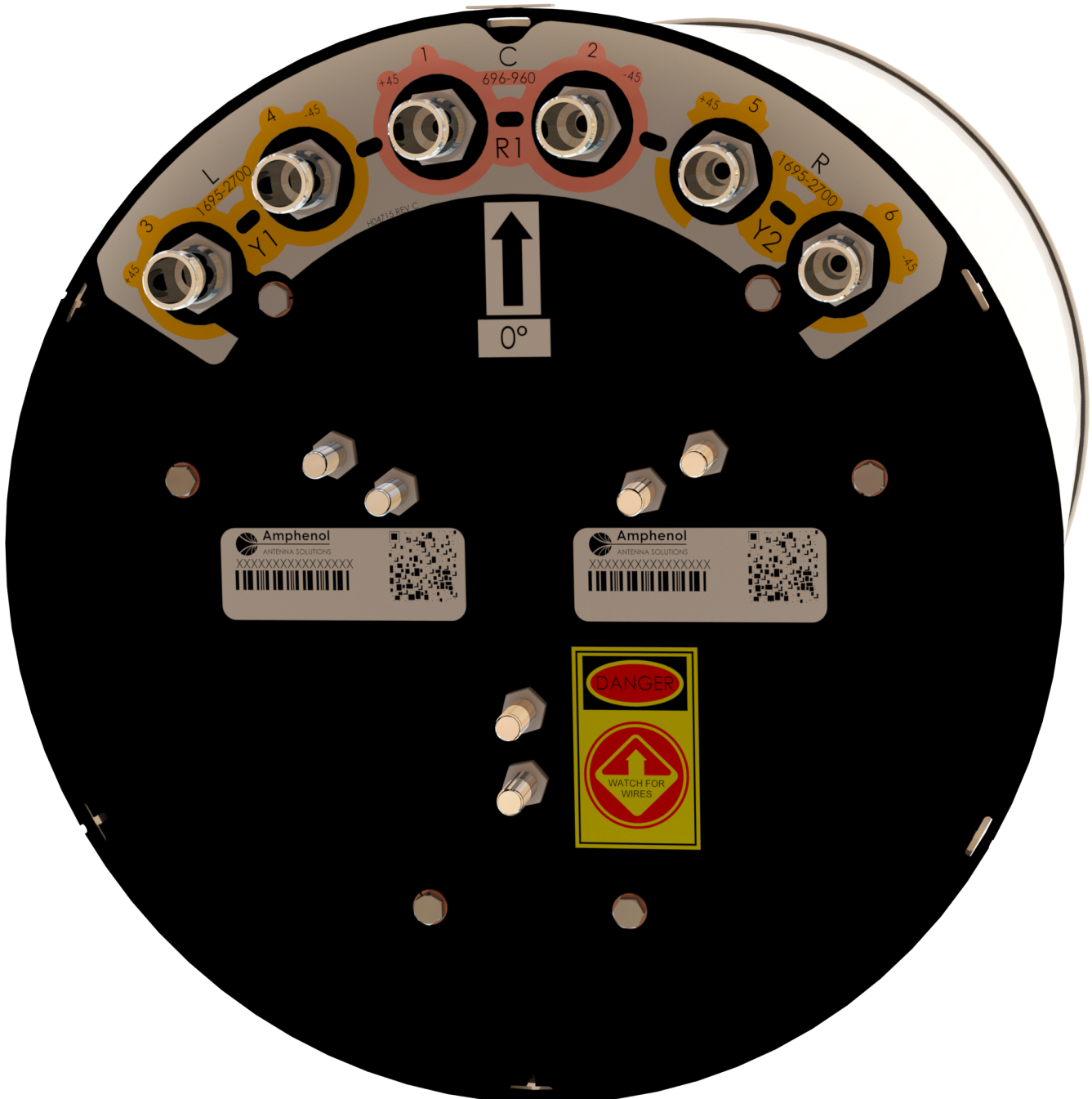
Antenna	Height	mm (in)	615 (24.2)
	Diameter	mm (in)	371 (14.6)
Net Weight - Antenna Only		kg (lbs)	10 (22.1)
Windload	Calculation	km/h (mph)	160 (100)
	Frontal	N (lbf)	191 (43)
Survival Wind Speed		km/h (mph)	241 (150)
Wind Area		m ² (ft ²)	0.22 (2.4)
Volume		m ³ (ft ³)	0.07 (2.3)
Connector	Type	---	4.3-10 Female or 7/16-DIN Female
	Quantity	---	6
	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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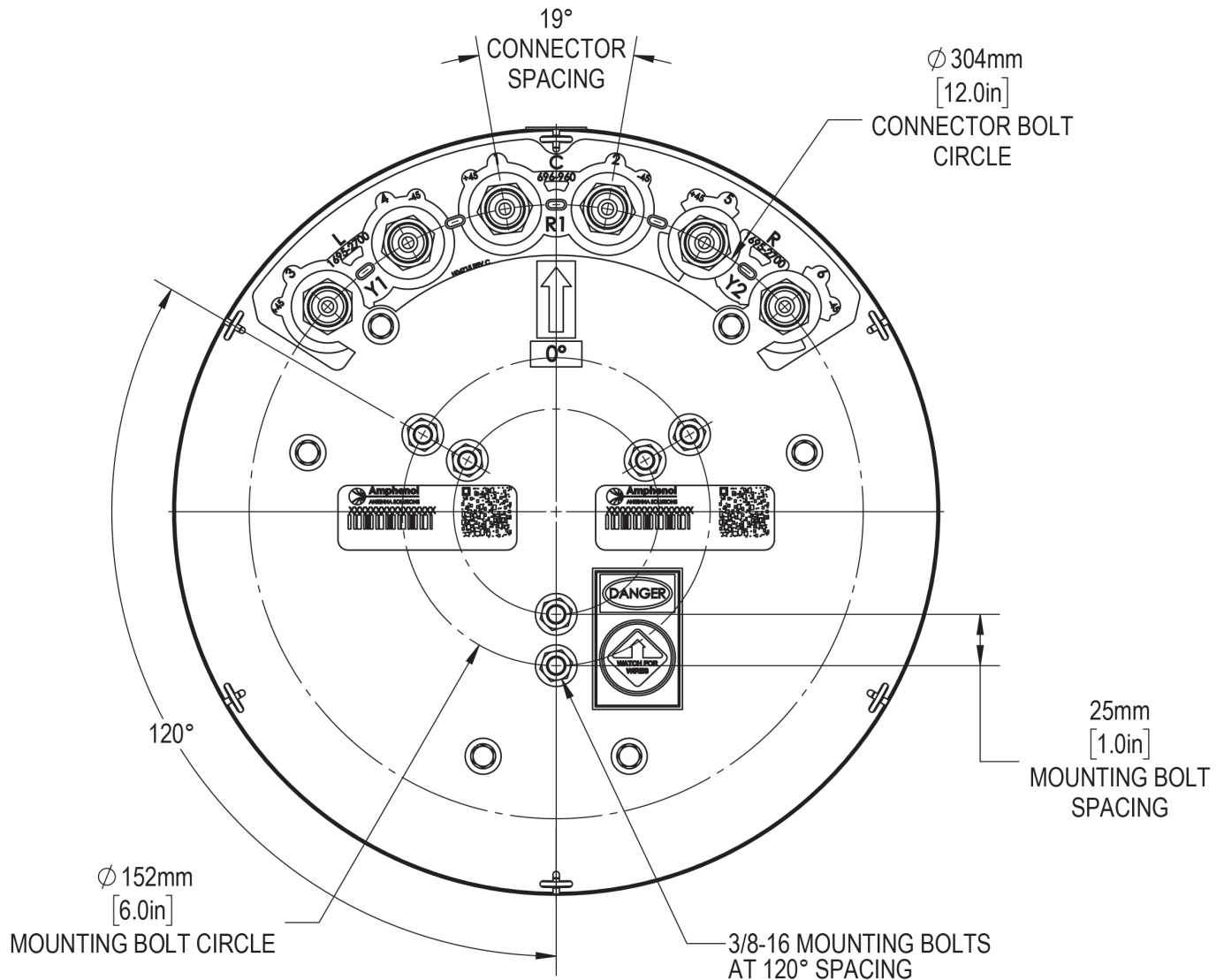
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BOTTOM VIEW - LABELING



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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 BWWDTH	POLARIZATION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
C	UU	T	360	X	06	F	xy	z	0	BK BR
(1x) 696-960	(2x) 1695-2700	Tri-Sector	Omni	XPOL	0.6 meters	Fixed Tilt	These letters are placeholders for fixed tilt options. Refer to Electrical Specifications for available tilt options.	The letter z is a placeholder for the connector type. Replace z with "s" for a 4.3-10 Female Connector; or replace z with "D" for a 7/16-DIN Female Connector	Original Variation	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

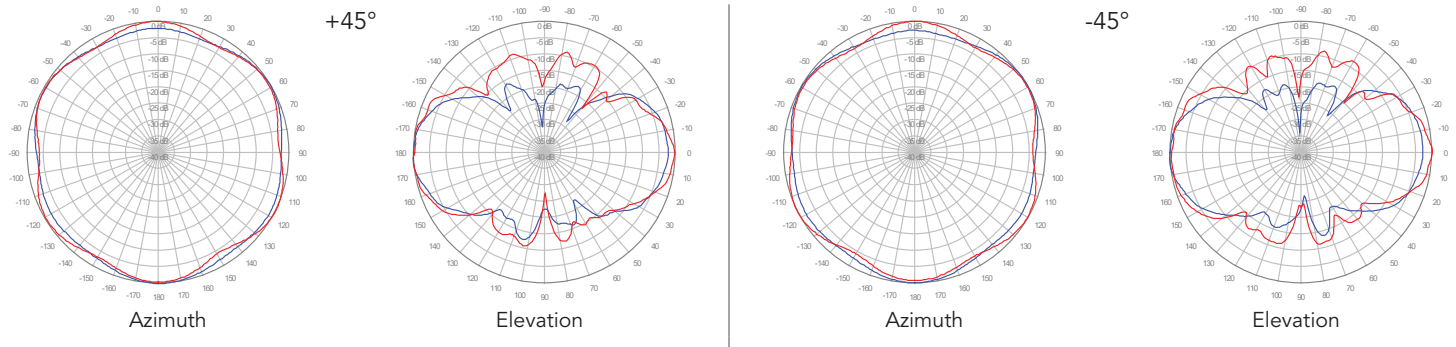
SELECT RADOME COLOR	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND		SELECT CONNECTOR TYPE	
	LOW BAND	MID BAND	4.3-10 FEMALE	7/16-DIN FEMALE
Grey Pantone 420 C	0°	0°	CUUT360X06F00s0	CUUT360X06F00D0
	0°	4°	CUUT360X06F04s0	CUUT360X06F04D0
	0°	6°	CUUT360X06F06s0	CUUT360X06F06D0
	5°	0°	CUUT360X06F50s0	CUUT360X06F50D0
	5°	4°	CUUT360X06F54s0	CUUT360X06F54D0
	5°	6°	CUUT360X06F56s0	CUUT360X06F56D0
Brown Pantone 476 C	0°	0°	CUUT360X06F00s0BR	CUUT360X06F00D0BR
	0°	4°	CUUT360X06F04s0BR	CUUT360X06F04D0BR
	0°	6°	CUUT360X06F06s0BR	CUUT360X06F06D0BR
	5°	0°	CUUT360X06F50s0BR	CUUT360X06F50D0BR
	5°	4°	CUUT360X06F54s0BR	CUUT360X06F54D0BR
	5°	6°	CUUT360X06F56s0BR	CUUT360X06F56D0BR
Black RAL 9011	0°	0°	CUUT360X06F00s0BK	CUUT360X06F00D0BK
	0°	4°	CUUT360X06F04s0BK	CUUT360X06F04D0BK
	0°	6°	CUUT360X06F06s0BK	CUUT360X06F06D0BK
	5°	0°	CUUT360X06F50s0BK	CUUT360X06F50D0BK
	5°	4°	CUUT360X06F54s0BK	CUUT360X06F54D0BK
	5°	6°	CUUT360X06F56s0BK	CUUT360X06F56D0BK

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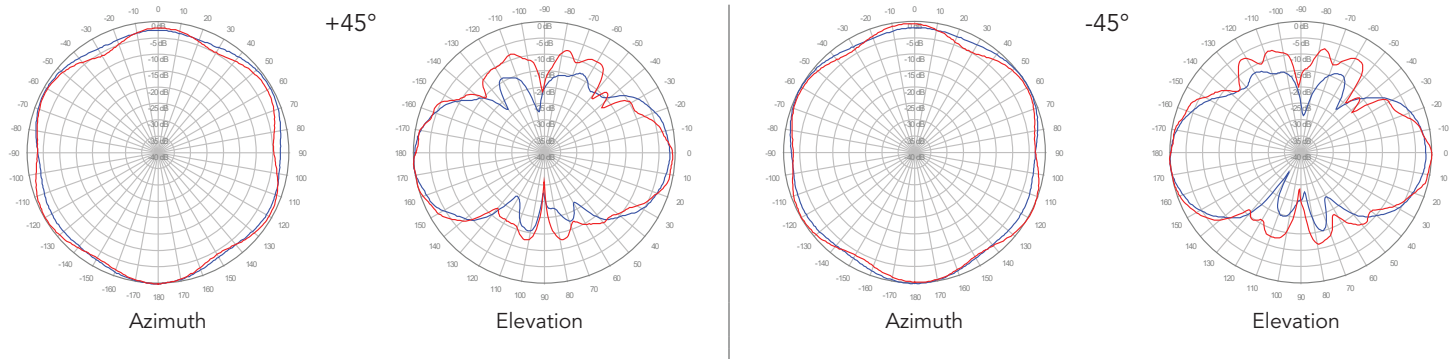
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750 MHz —————
850 MHz —————

■ R1, 0° TILT



■ R1, 5° TILT

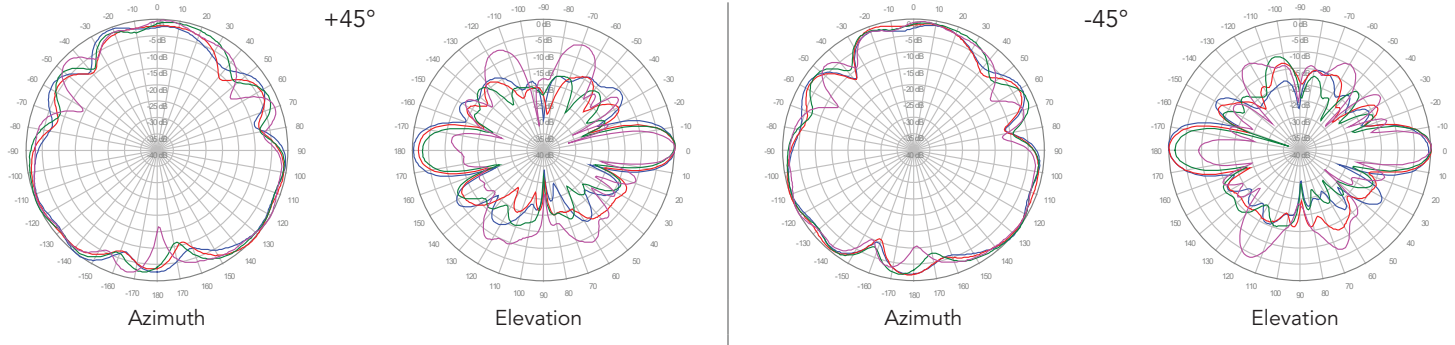


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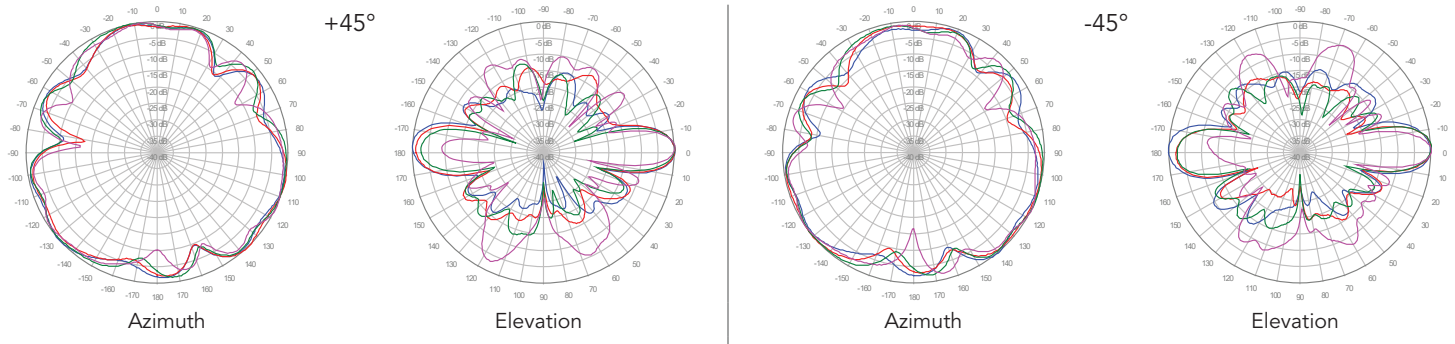
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1800 MHz —
1900 MHz —
2100 MHz —
2600 MHz —

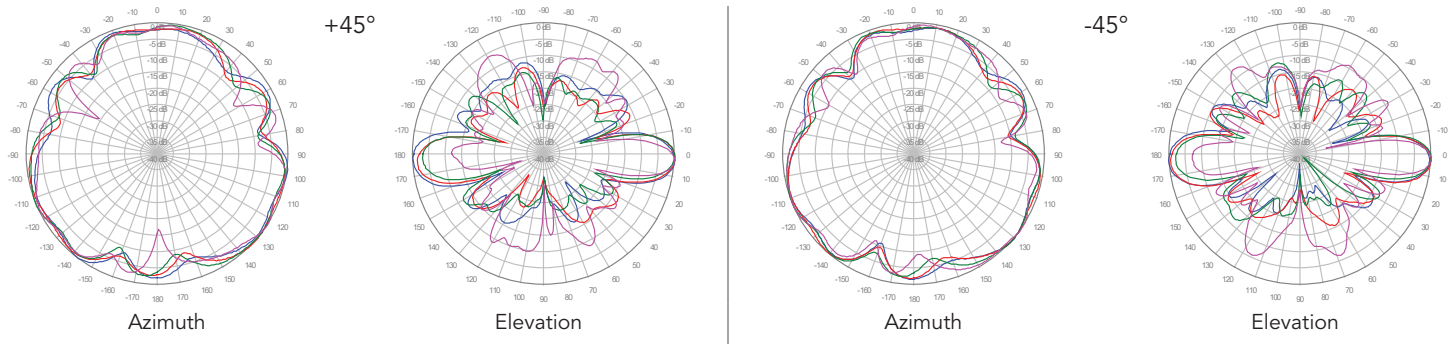
Y1, 0° TILT



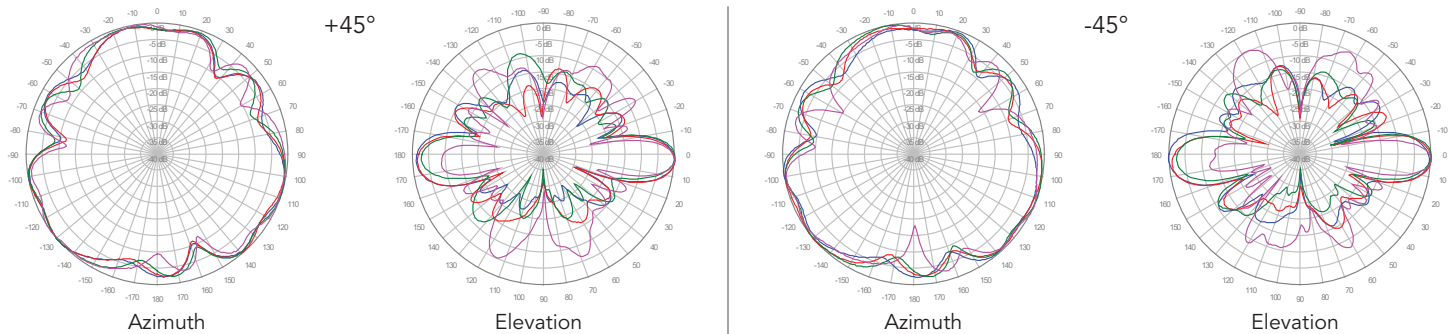
Y2, 0° TILT



Y1, 4° TILT



Y2, 4° TILT

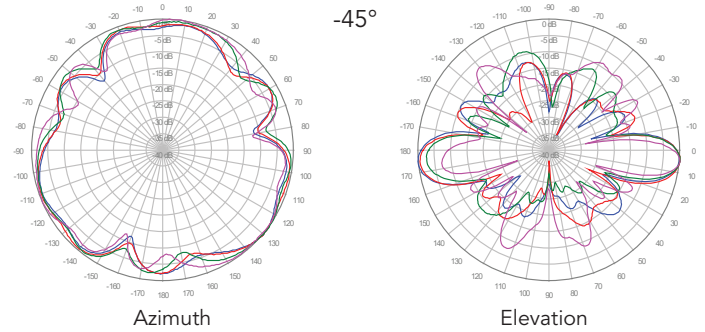
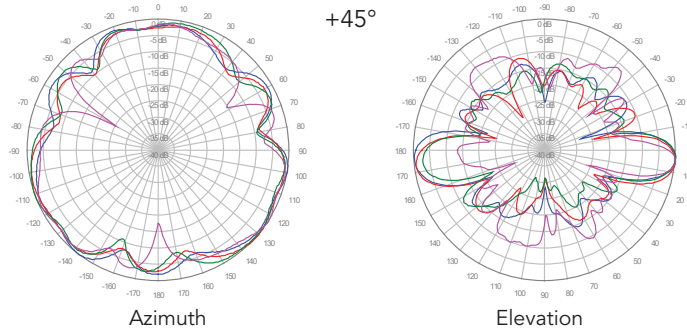


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1800 MHz —
1900 MHz —
2100 MHz —
2600 MHz —

Y1, 6° TILT



Y2, 6° TILT

