

2C2UT360X06F_{xy}s1

Features

- Diplexed omni configuration with 4 connectors
- Ideal for small cell applications
- Available with 4.3-10 connectors
- Available for order with a grey, brown or black radome



PRODUCT OVERVIEW	Frequency Range (MHz)	696-960 / 1695-2700 MHz	
	Array	■ R1 ■ Y1	■ R2 ■ Y2
	Connector	2 PORTS (DIPLEXED)	
	Polarization	XPOL	
	Azimuth Beamwidth (avg)	360°	
	Electrical Downtilt	0° / 0°, 6°	
	Configuration	OMNI CONFIGURATION	
	Maximum Continuous Power Per Port @ 50° C (122° F)	300 W	300 W
	Maximum Total Continuous Power at 50° C (122° F)	1200 W	
	Connector Type	(4x) 4.3-10 FEMALE	
	Dimensions	610 x Ø371 mm (24.0 x Ø14.6 in)	
	Radome Color Options	GREY, BROWN or BLACK	

ELECTRICAL SPECIFICATIONS

■ R1 ■ R2

Frequency Range		MHz	(2x) 696-960	
Frequency Sub-Range		MHz	696-806	806-960
Polarization		---	(2x) ±45°	
Gain		dBi	2.1	3.3
Azimuth Beamwidth (3 dB)		degrees	360°	360°
Elevation Beamwidth (3 dB)		degrees	60°	55°
Electrical Downtilt		degrees	(x) 0°	
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	20	
	Interband	dB	25 same band; 30 different band	

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ELECTRICAL SPECIFICATIONS

■ Y1 ■ Y2

Frequency Range	MHz	(2x) 1695-2700			
Frequency Sub-Range	MHz	1695-1880	1850-1990	1920-2200	2300-2700
Polarization	---	(2x) ±45°			
Gain	dBi	8.2	8.1	8.3	8.4
Azimuth Beamwidth (3 dB)	degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)	degrees	17°	16°	15°	14°
Electrical Downtilt	degrees	(y) 0°, 6°			
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	25 same band; 30 different band		

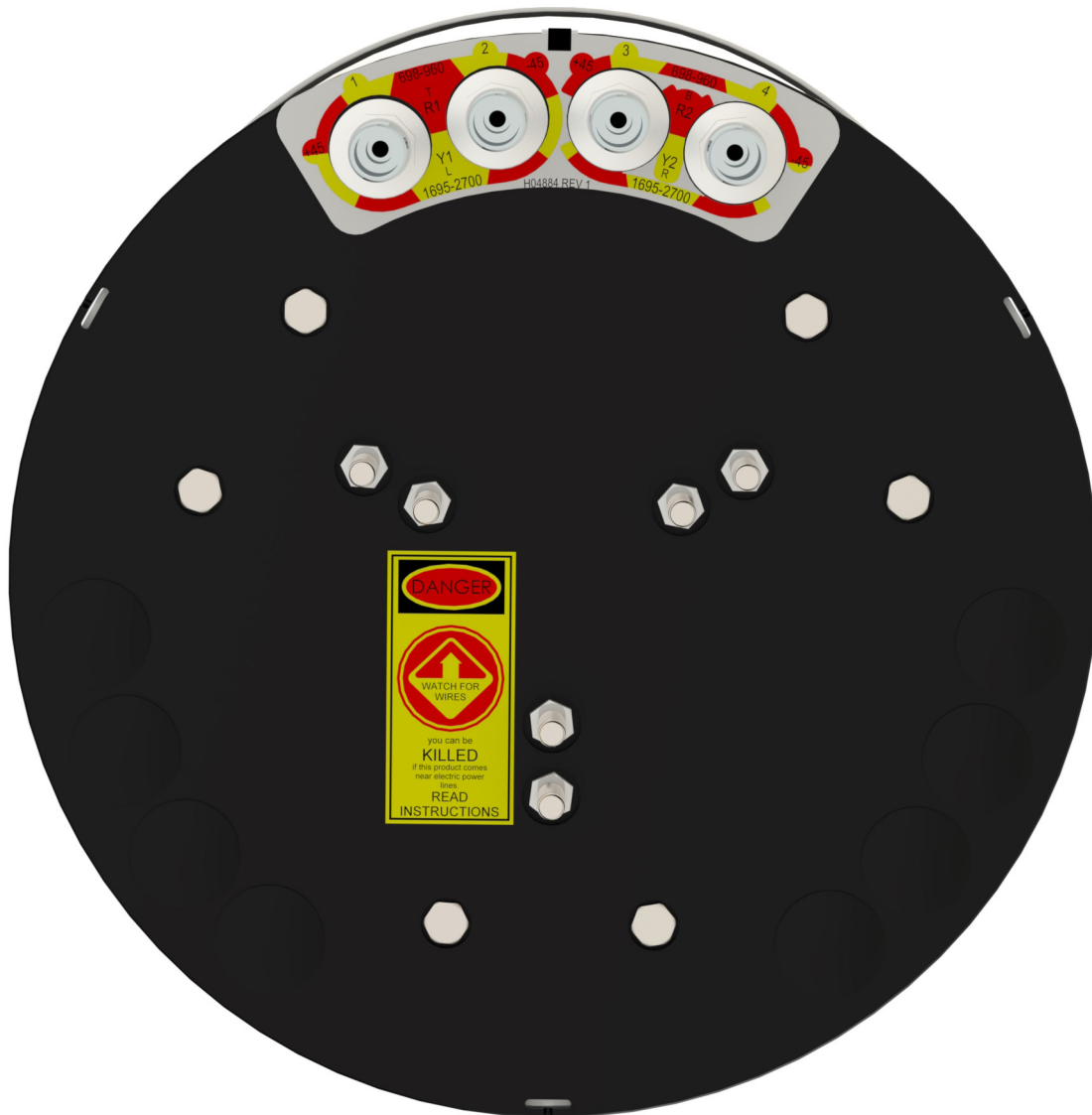
MECHANICAL SPECIFICATIONS

Antenna	Height	mm (in)	610 (24.0)
	Diameter	mm (in)	371 (14.6)
Net Weight - Antenna Only		kg (lbs)	10.4 (23.0)
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	---	(4x) 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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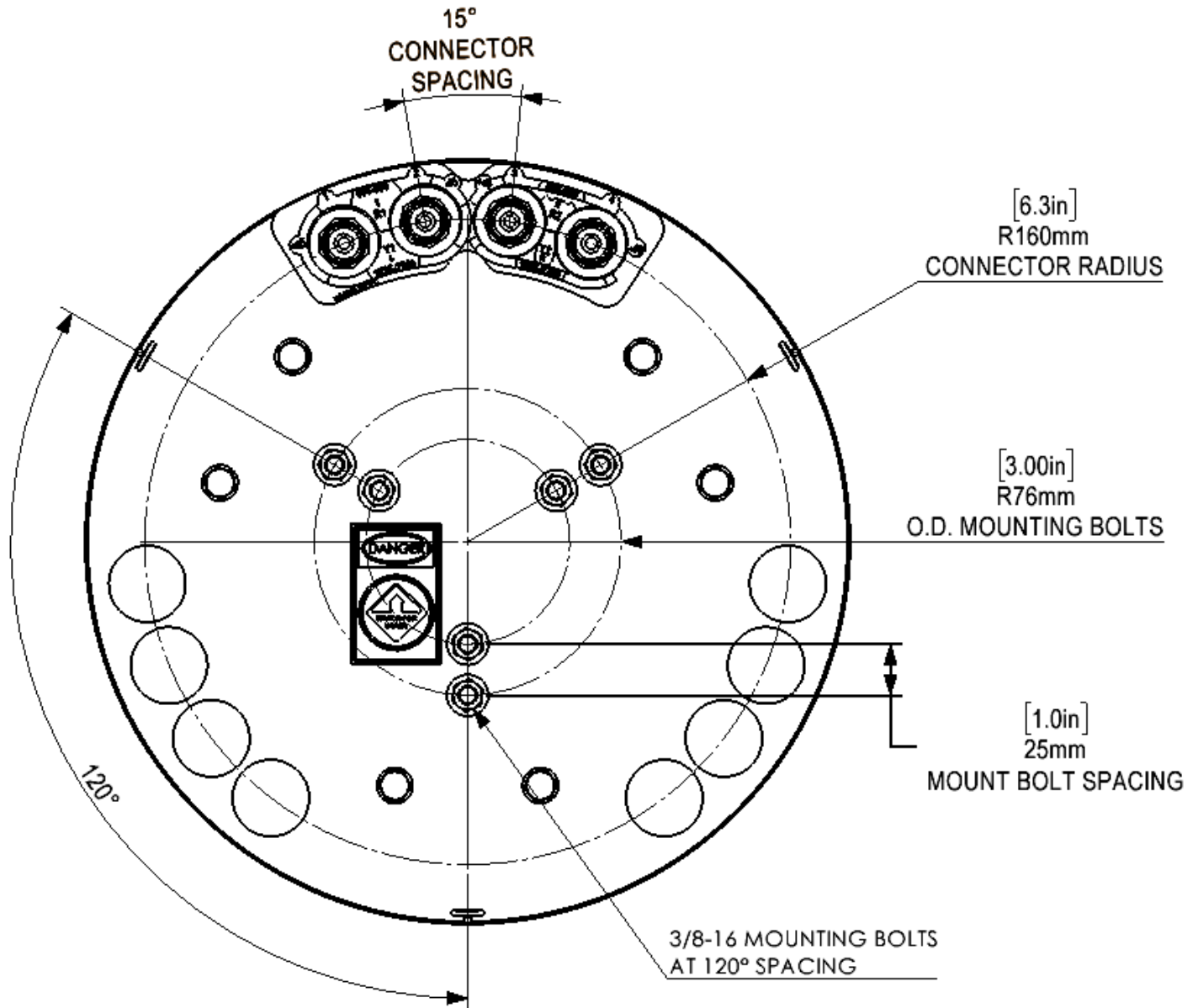
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BOTTOM VIEW - LABELING



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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 BMWDTH	POLARIZA-TION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
2C	2U	T	360	X	06	F	xy	s	1	BK BR
(2x) 696-960	(2x) 1695-2700	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	Diplexed	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

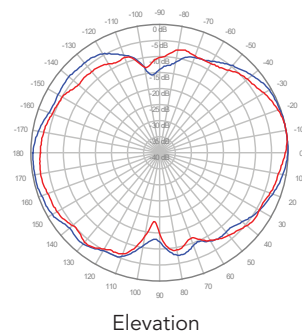
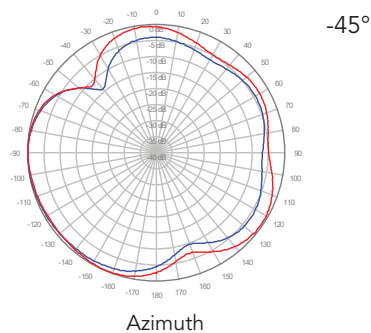
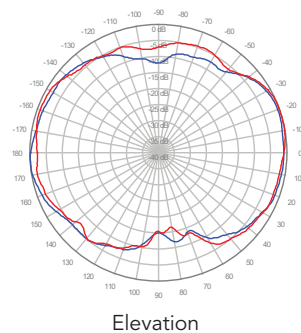
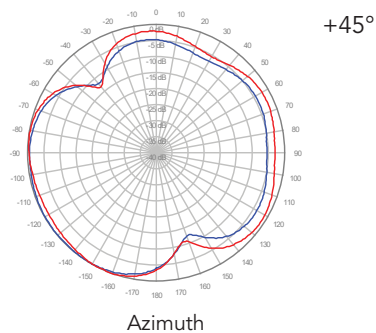
SELECT RADOME COLOR	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND		MODEL NUMBER
	696-960 MHz	1695-2700 MHz	
Grey Pantone 420 C	0°	0°	2C2UT360X06F00s1
	0°	6°	2C2UT360X06F06s1
Brown Pantone 476 C	0°	0°	2C2UT360X06F00s1BR
	0°	6°	2C2UT360X06F06s1BR
Black RAL 9011	0°	0°	2C2UT360X06F00s1BK
	0°	6°	2C2UT360X06F06s1BK

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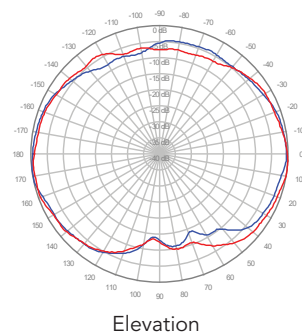
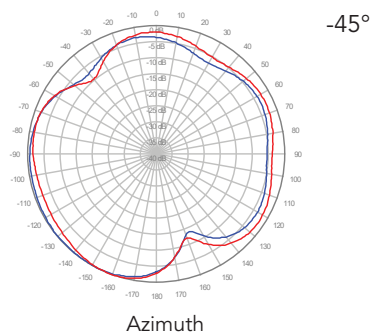
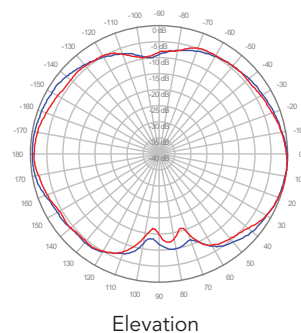
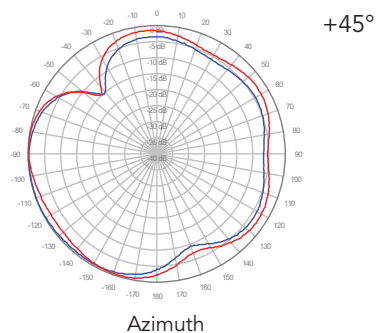
750 MHz ————

850 MHz ————

■ R1, 0° TILT



■ R2, 0° TILT



OMNI

24.0 IN

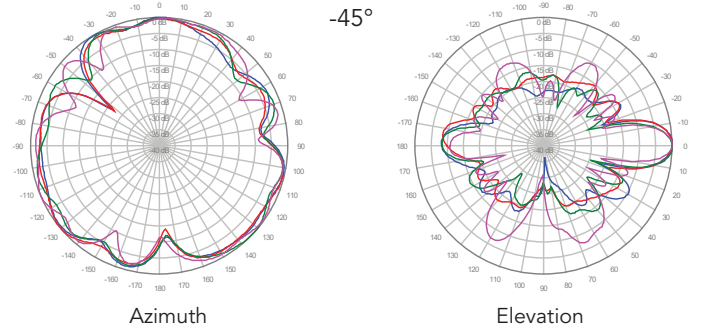
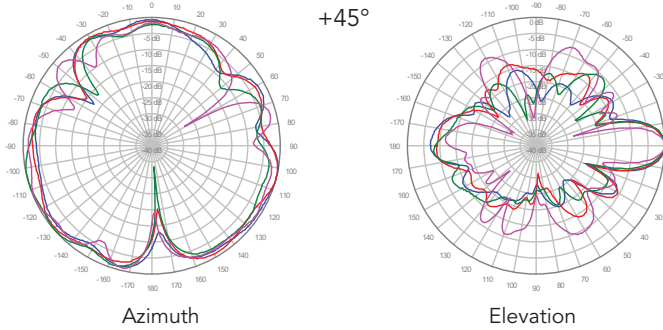
FIXED TILT

DIPLEXED

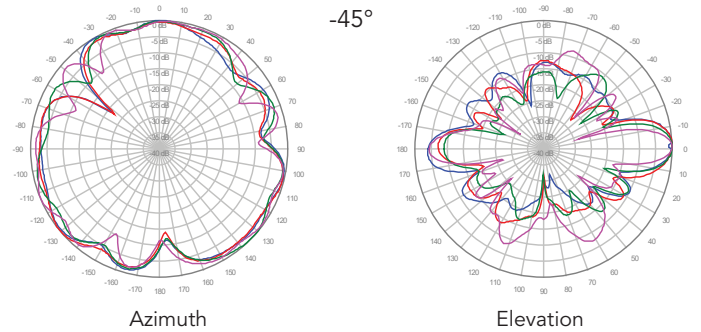
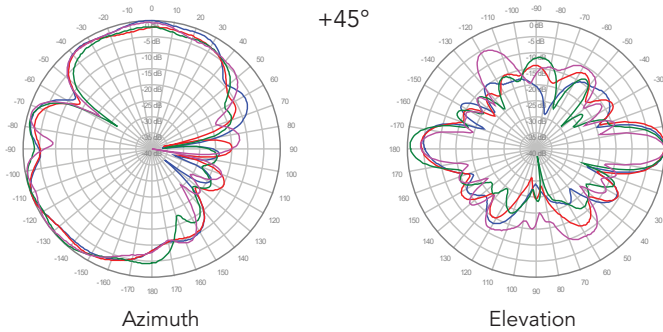
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1800 MHz —
1900 MHz —
2100 MHz —
2600 MHz —

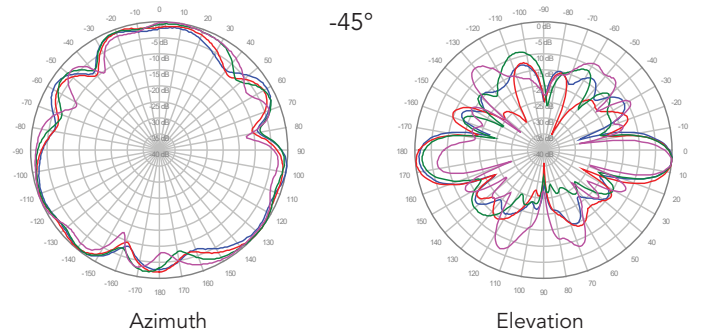
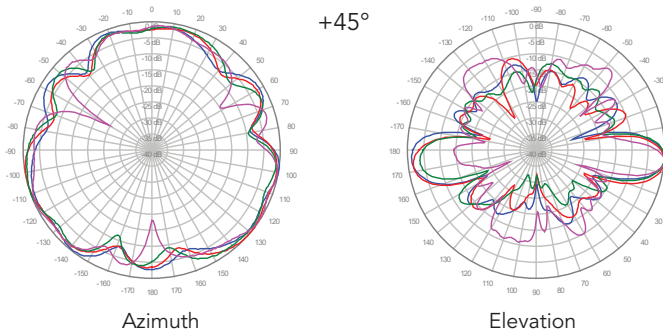
■ Y1, 0° TILT



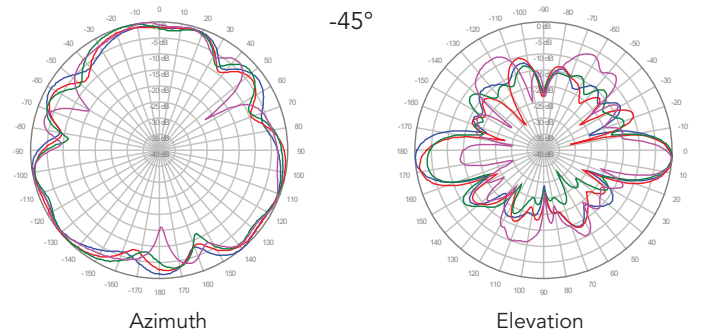
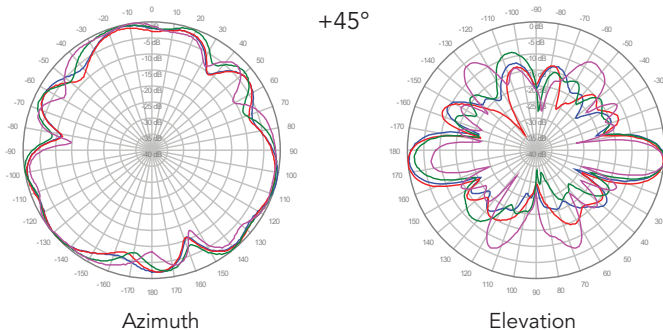
■ Y2, 0° TILT



■ Y1, 6° TILT



■ Y2, 6° TILT



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