C4UT360X06Fxys4

Features

- Pseudo omni configuration with 10 connectors
- An ideal choice for site sharing - can be ordered with unique tilt combinations for Y1/Y2 and Y3/Y4 mid bands
- 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)	(1x) 696-960	(2x) 1695-2700	(2x) 1695-2700
	Array	R1	Y1, Y2	Y3, Y4
	Connector	2 PORTS	4 PORTS	4 PORTS
	Polarization	XPOL	XPOL	XPOL
	Azimuth Beamwidth (avg)	360°	360°	360°
	Electrical Downtilt	0°	2°, 4°, 6°	2°, 4°, 6°
	Configuration	OMNI CONFIGURATION		
	Maximum Continuous Power Per Port @ 50° C (122° F)	200 WATTS	150 WATTS	150 WATTS
	Maximum Total Continuous Power at 50° C (122° F)	1600 WATTS		
	Total Connector Count	10 PORTS		
	Connector Type	4.3-10 FEMALE		
	Dimensions	609 x Ø371 mm (23.9 x Ø14.6 in)		
	Radome Color Options	GREY, BROWN or BLACK		

ELECTRICAL SPECIFICATIONS			**R1**	
Frequency Range		MHz	(1x) 696-960	
Frequency Sub-Range		MHz	696-806	806-960
Polarization		---	(1x) ±45°	
Gain	BASTA	dBi	7.1 ± 0.7	6.6 ± 0.8
	MAX	dBi	7.8	7.4
Azimuth Beamwidth (3 dB)		degrees	360°	360°
Elevation Beamwidth (3 dB)		degrees	32.9° ± 2.8°	26.9° ± 4.6°
Electrical Downtilt		degrees	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	

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.

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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	BASTA	dBi	8.4 ± 0.9	8.6 ± 0.7	8.4 ± 0.9	9.3 ± 1.0
	MAX	dBi	9.3	9.3	9.3	10.3
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	23.4° ± 2.2°	22.2° ± 1.8°	20.5° ± 2.6°	17.0° ± 2.2°
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	> 14			
Isolation	Intraband	dB	> 25			
	Interband	dB	> 28 same band; > 30 different band			

ELECTRICAL SPECIFICATIONS

■ Y3 ■ Y4

Frequency Range		MHz	(2x) 1695-2700			
Frequency Sub-Range		MHz	1695-1880	1850-1990	1920-2200	2300-2700
Polarization		---	(2x) ±45°			
Gain	BASTA	dBi	5.8 ± 1.0	5.8 ± 0.9	5.2 ± 1.3	5.8 ± 0.9
	MAX	dBi	6.8	6.7	6.5	6.7
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	37.7 ± 5.4°	37.2° ± 5.2°	37.0° ± 5.5°	30.5° ± 4.7°
Electrical Downtilt		degrees	(y) 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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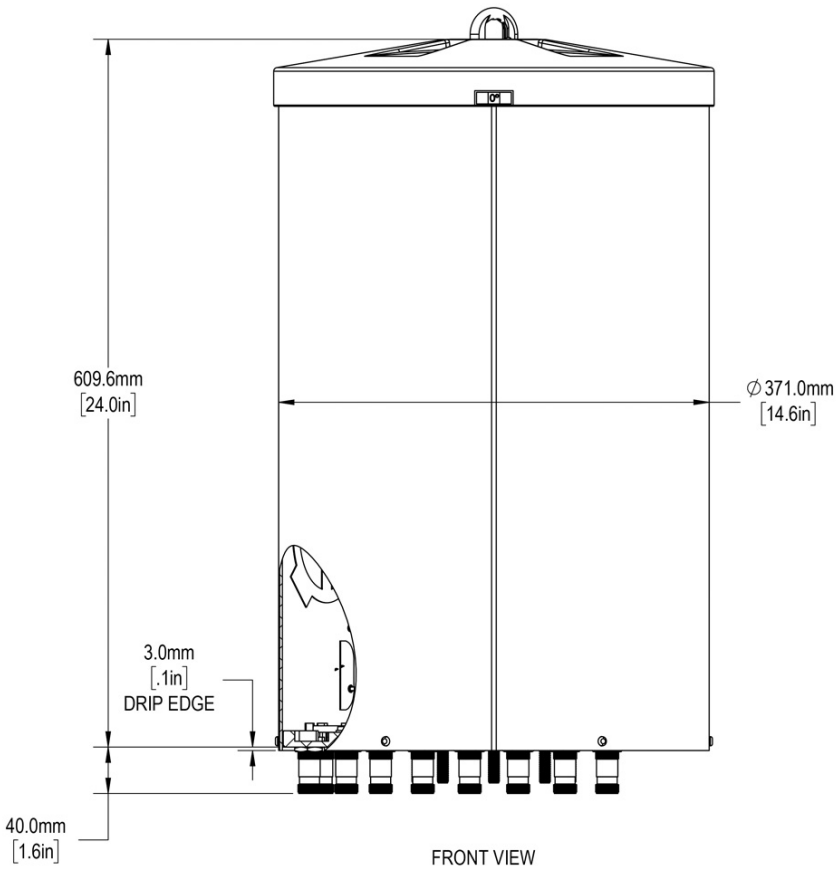
MECHANICAL SPECIFICATIONS

Antenna	Height		mm (in)	609 (23.9)
	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	---	4.3-10 Female
		Quantity	---	10
		Position	---	Bottom
Radome Color			---	Grey (Pantone 420 C), Brown (Pantone 476 C), Black (RAL 9011)
Lightning Protection (Grounding Type)			---	Direct Ground



FRONT VIEW

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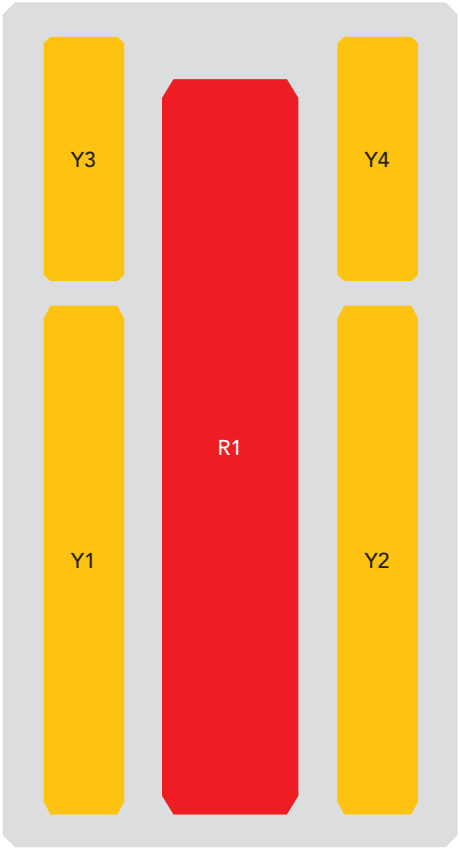
ARRAY LAYOUT Topology

FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
696-960 MHz	R1	1-2	(2x) 4.3-10 Female
1695-2700 MHz	Y1	3-4	(2x) 4.3-10 Female
1695-2700 MHz	Y2	5-6	(2x) 4.3-10 Female
1695-2700 MHz	Y3	7-8	(2x) 4.3-10 Female
1695-2700 MHz	Y4	9-10	(2x) 4.3-10 Female



The illustration is not shown to scale.

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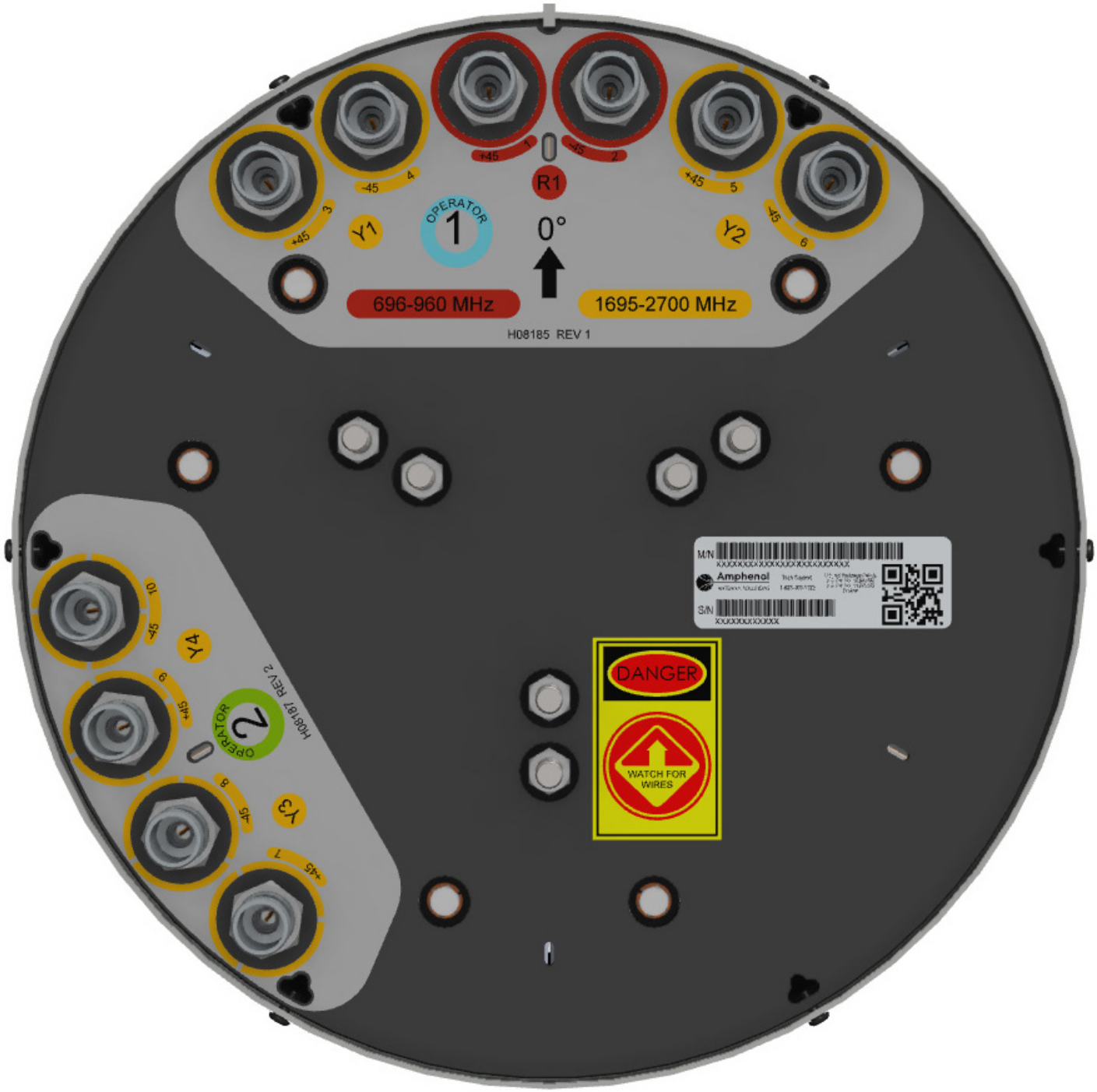
BOTTOM VIEW - LABELING



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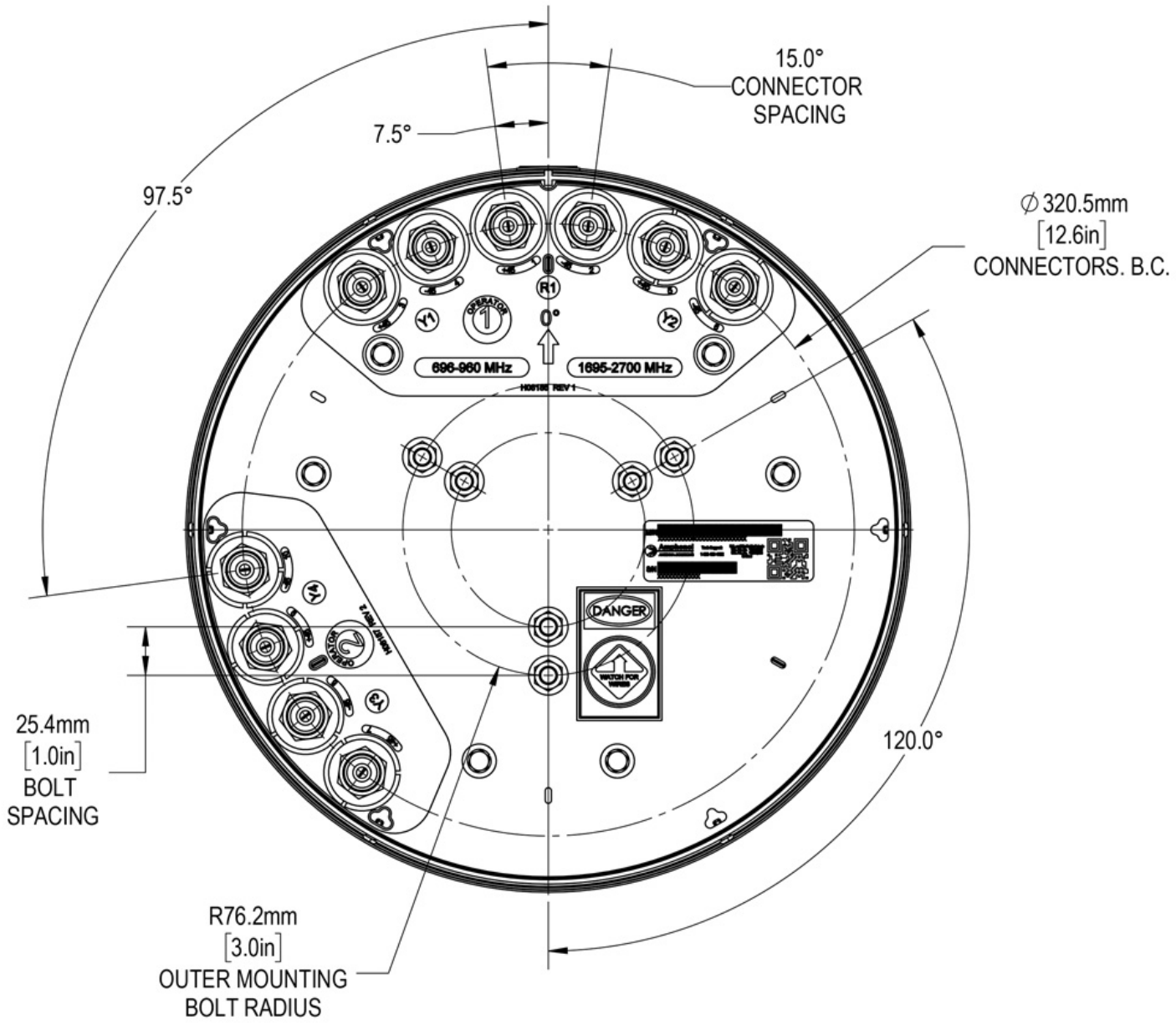
BOTTOM VIEW - CONNECTOR DIAGRAM



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 BMWDTH	POLARIZATION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
C	4U	T	360	X	06	F	xy	s	4	BK BR
(1x) 696-960	(4x) 1695-2700	Tri- Sector	360° Omni	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	4th generation enhanced mechanical package	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

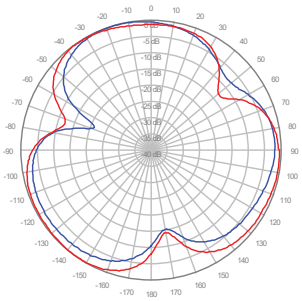
SELECT RADOME COLOR	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND			ORDER MODEL NUMBER
	696-960 MHz	1695-2700 MHz Y1 & Y2	1695-2700 MHz Y3 & Y4	
Grey Pantone 420 C	0°	2°	2°	C4UT360X06F22s4
	0°	2°	4°	C4UT360X06F24s4
	0°	2°	6°	C4UT360X06F26s4
	0°	4°	2°	C4UT360X06F42s4
	0°	4°	4°	C4UT360X06F44s4
	0°	4°	6°	C4UT360X06F46s4
	0°	6°	2°	C4UT360X06F62s4
	0°	6°	4°	C4UT360X06F64s4
	0°	6°	6°	C4UT360X06F66s4
Brown Pantone 476 C	0°	2°	2°	C4UT360X06F22s4BR
	0°	2°	4°	C4UT360X06F24s4BR
	0°	2°	6°	C4UT360X06F26s4BR
	0°	4°	2°	C4UT360X06F42s4BR
	0°	4°	4°	C4UT360X06F44s4BR
	0°	4°	6°	C4UT360X06F46s4BR
	0°	6°	2°	C4UT360X06F62s4BR
	0°	6°	4°	C4UT360X06F64s4BR
	0°	6°	6°	C4UT360X06F66s4BR
Black RAL 9011	0°	2°	2°	C4UT360X06F22s4BK
	0°	2°	4°	C4UT360X06F24s4BK
	0°	2°	6°	C4UT360X06F26s4BK
	0°	4°	2°	C4UT360X06F42s4BK
	0°	4°	4°	C4UT360X06F44s4BK
	0°	4°	6°	C4UT360X06F46s4BK
	0°	6°	2°	C4UT360X06F62s4BK
	0°	6°	4°	C4UT360X06F64s4BK
	0°	6°	6°	C4UT360X06F66s4BK

C4UT360X06Fxys4

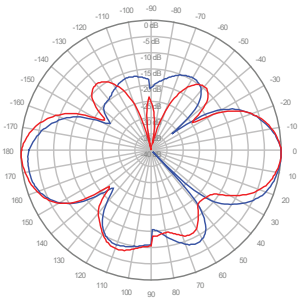
750 MHz
850 MHz

R1, 0° TILT

+45°

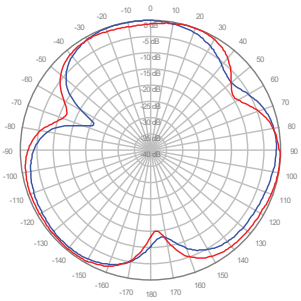


Azimuth



Elevation

-45°



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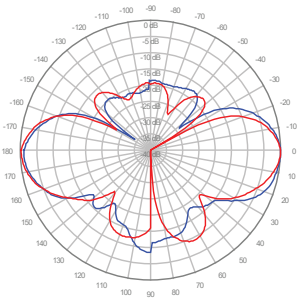


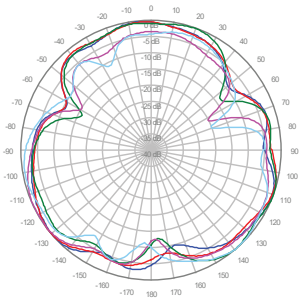
Elevation

C4UT360X06Fxys4

1800 MHz
1900 MHz
2100 MHz
2300 MHz
2600 MHz

Y1, 2° TILT

+45°



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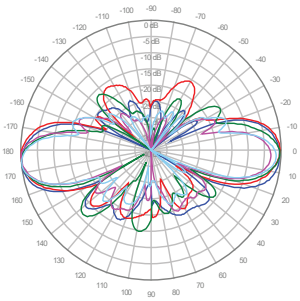
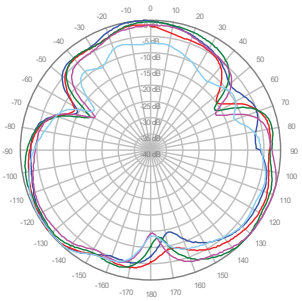


Elevation

-45°



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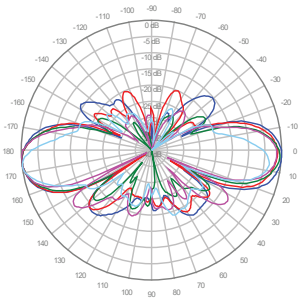
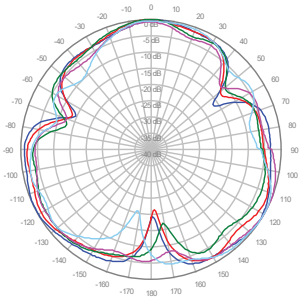


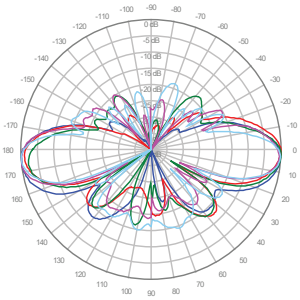
Elevation

Y2, 2° TILT

+45°

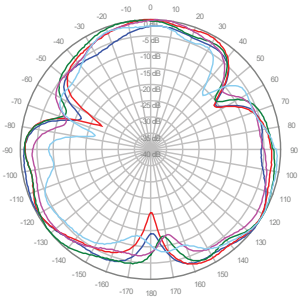


Azimuth



Elevation

-45°



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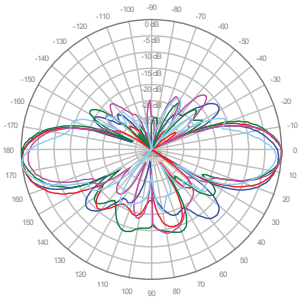
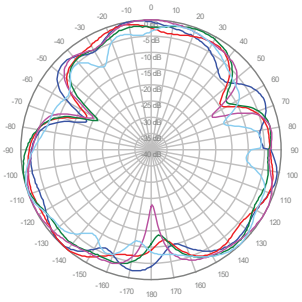


Elevation

Y3, 2° TILT



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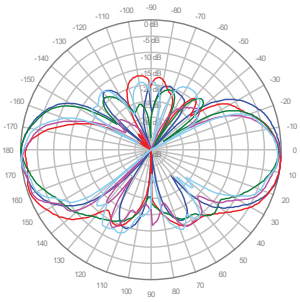

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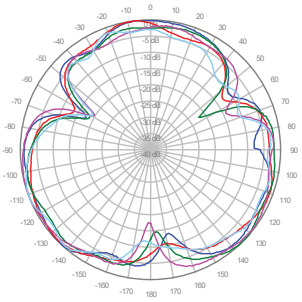

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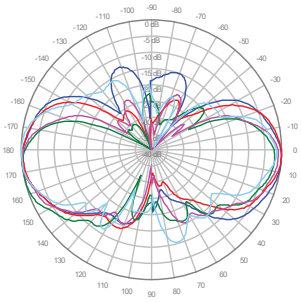
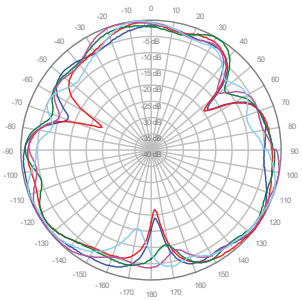


Elevation

Y4, 2° TILT

+45°



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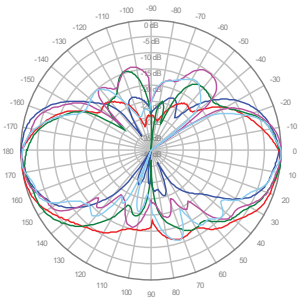
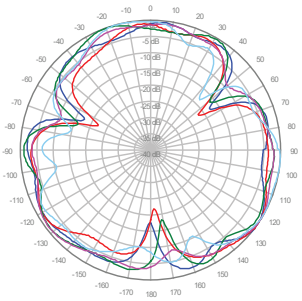


Elevation

-45°



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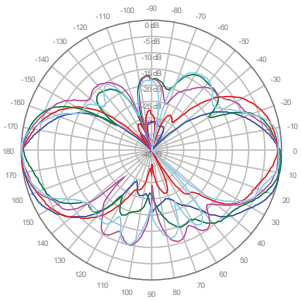


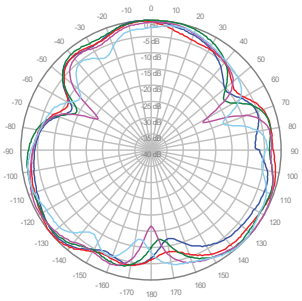
Elevation

C4UT360X06Fxys4

1800 MHz
1900 MHz
2100 MHz
2300 MHz
2600 MHz

Y1, 4° TILT

+45°



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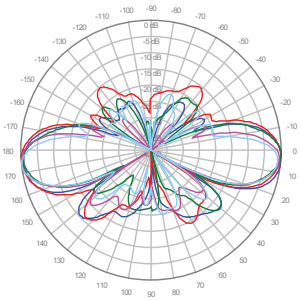
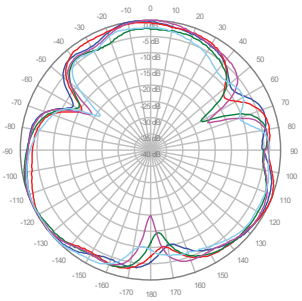


Elevation

-45°



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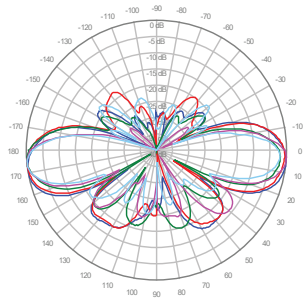
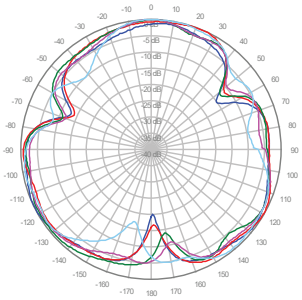


Elevation

Y2, 4° TILT

+45°



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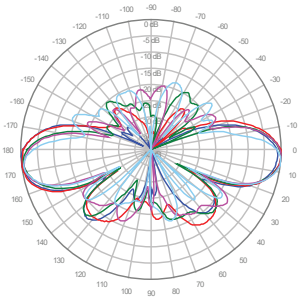
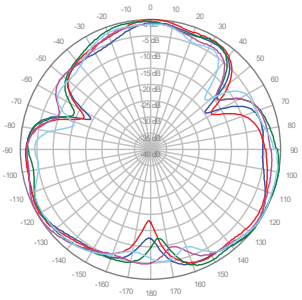


Elevation

-45°



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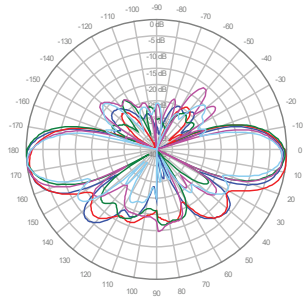
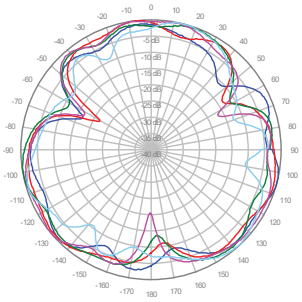


Elevation

Y3, 4° TILT



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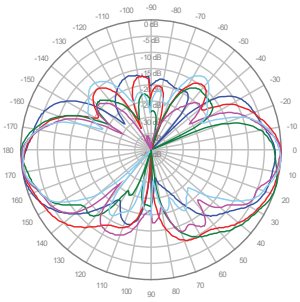

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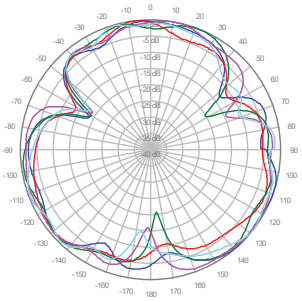
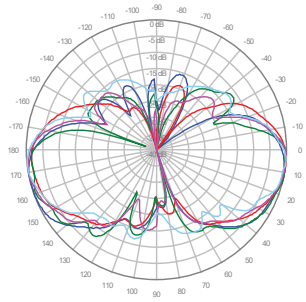


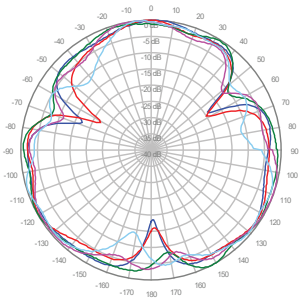
Azimuth



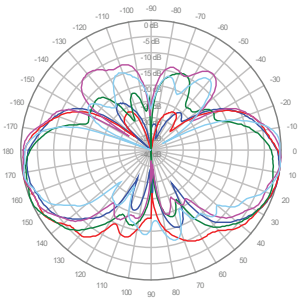
Elevation

Y4, 4° TILT

+45°

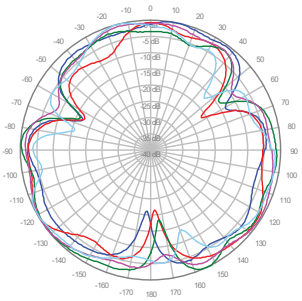


Azimuth

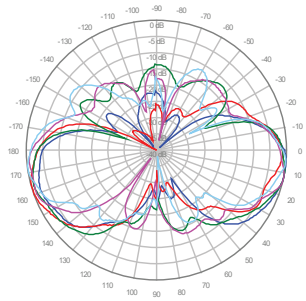


Elevation

-45°



Azimuth



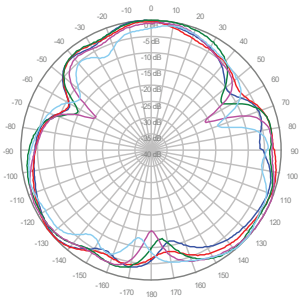
Elevation

C4UT360X06Fxys4

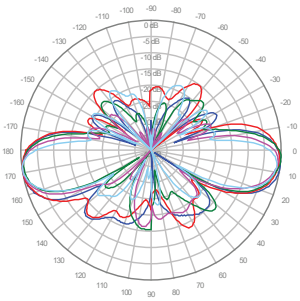
1800 MHz
1900 MHz
2100 MHz
2300 MHz
2600 MHz

Y1,6° TILT

+45°

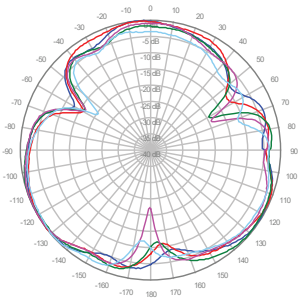


Azimuth

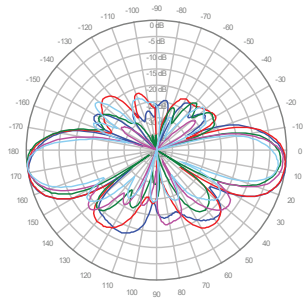


Elevation

-45°



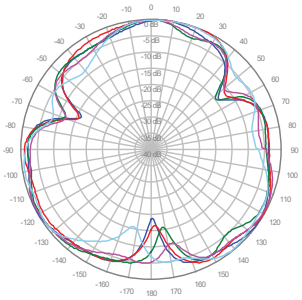
Azimuth



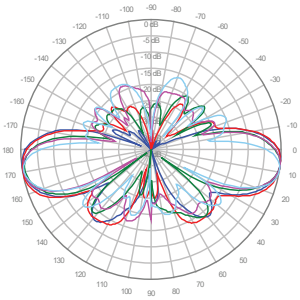
Elevation

Y2, 6° TILT

+45°

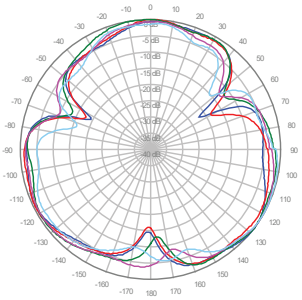


Azimuth

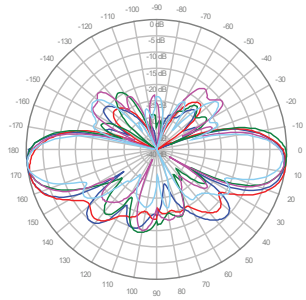


Elevation

-45°

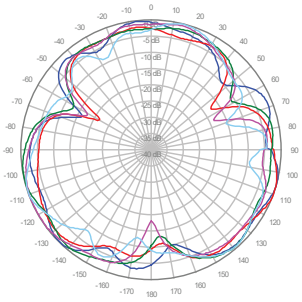


Azimuth

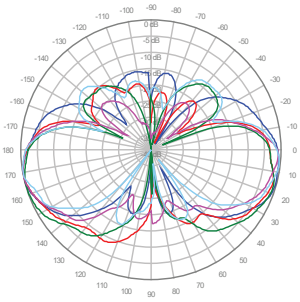


Elevation

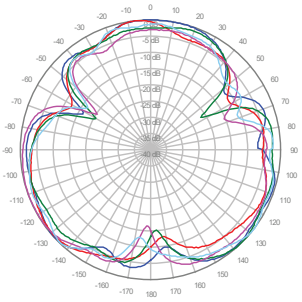
Y3, 6° TILT



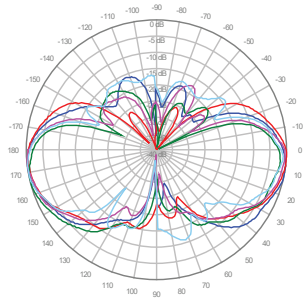
Azimuth



Elevation



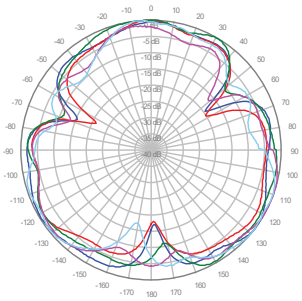
Azimuth



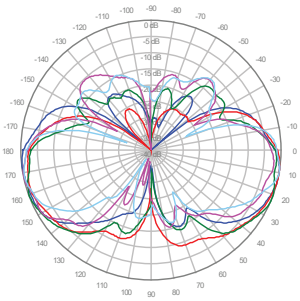
Elevation

Y4, 6° TILT

+45°

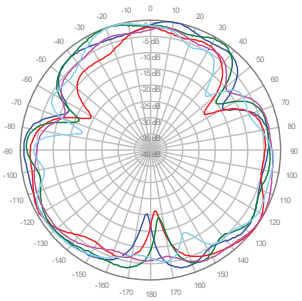


Azimuth

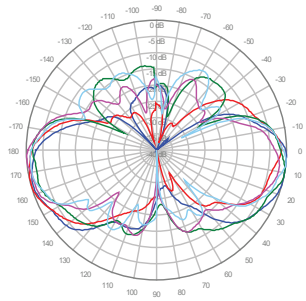


Elevation

-45°



Azimuth



Elevation