CUT070X06Fxyz1

DUAL BAND | DIPLEXED | 3-SECTOR, CLOVER-SHAPE | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

Features

- Diplexed, 3-Sector, Clover-Shape 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

Connector Description

The diplexed antenna has 6 connectors located at the bottom.

Low Band ■ R1 / Mid Band ■ Y1	696-960 / 1695-2700 MHz	(6x) 4.3-10 *or* 7/16-DIN Female

Electrical Characteristics	■ R1		■ Y1			
Frequency Bands (MHz)	696-960 MHz		1695-2700 MHz			
	696-806	806-960	1695-1880	1850-1990	1920-2200	2300-2700
Polarization	±45°		±45°			
Horizontal Beamwidth	75°	70°	75°	76°	77°	63°
Vertical Beamwidth	42°	40°	17°	16°	15°	14°
Gain	8.7 dBi	9.7 dBi	12.7 dBi	13.2 dBi	13.7 dBi	14.0 dBi
Electrical Downtilt (°)	(x) 0, 5		(y) 0, 6			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	N/A		> 14 dB			
Front-to-Back Ratio	> 16 dB		> 25 dB			
Isolation Between Ports	23 dB		22 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(3x) 500 W		(3x) 300 W			
Diplexed	Yes (Internal Diplexer)					
Number of Sectors, Sector Spacing and/or Pattern Shape	3 Sectors, 120° Spacing, Clover-Shape					
Lightning Protection	Direct Ground					

Mechanical Characteristics

Antenna Dimensions (Height x Diameter)	610 x 371	mm	24.0 x 14.6	in
Weight without Mounting Bracket Kit	10.0	kg	22.0	lbs
Antenna Volume	0.07	m^3	2.3	ft^3
Survival Wind Speed	241	km/hr	150	mph
Wind Area	0.22	m^2	2.4	ft^2
Wind Load (160 km/hr or 100 mph)	191	N	43	lbf

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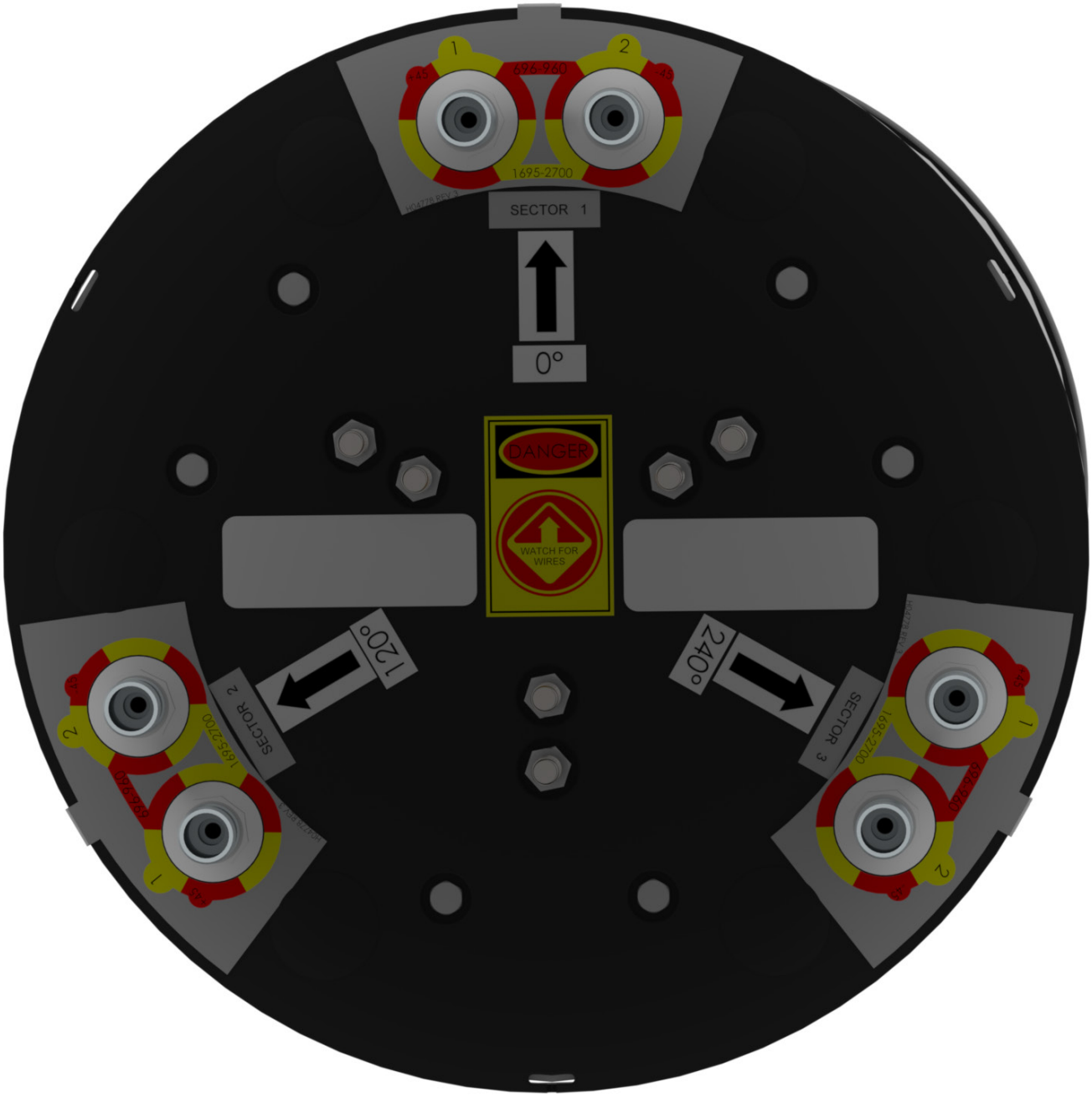
Bottom View - Labeling



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Bottom View - Connector Diagram

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Ordering Options

When ordering, select the Radome Color, Degree of Electrical Downtilt for the Low (**x**) and Mid Band (**y**) and the Connector Type (**z**).

Radom Color	Electrical Downtilt Degree		Connector Type (z)	
	Low Band ■ R1 (x)	Mid Band ■ Y1 (y)	4.3-10 Female	7/16-DIN Female
Grey Pantone 420 C	0°	0°	CUT070X06F**00s**1	CUT070X06F**00D**1
	0°	6°	CUT070X06F**06s**1	CUT070X06F**06D**1
	5°	0°	CUT070X06F**50s**1	CUT070X06F**50D**1
	5°	6°	CUT070X06F**56s**1	CUT070X06F**56D**1
Brown Pantone 476 C	0°	0°	CUT070X06F**00s**1**BR**	CUT070X06F**00D**1**BR**
	0°	6°	CUT070X06F**06s**1**BR**	CUT070X06F**06D**1**BR**
	5°	0°	CUT070X06F**50s**1**BR**	CUT070X06F**50D**1**BR**
	5°	6°	CUT070X06F**56s**1**BR**	CUT070X06F**56D**1**BR**
Black RAL 9011	0°	0°	CUT070X06F**00s**1**BK**	CUT070X06F**00D**1**BK**
	0°	6°	CUT070X06F**06s**1**BK**	CUT070X06F**06D**1**BK**
	5°	0°	CUT070X06F**50s**1**BK**	CUT070X06F**50D**1**BK**
	5°	6°	CUT070X06F**56s**1**BK**	CUT070X06F**56D**1**BK**

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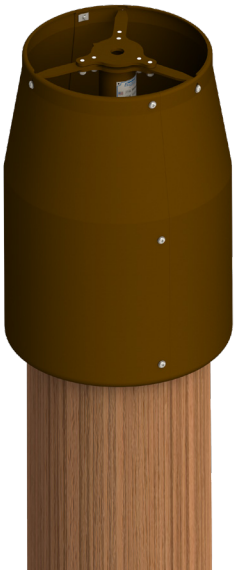
Mounting Kits

This antenna can be mounted using any of the following mounting kits. Mounting kits must be ordered separately.

Side Mounting Bracket Kit	Top Mounting Bracket Kit	Utility Pole Mounting Bracket Kit	Wide Diameter Pole Top Mounting Bracket Kit
CWT-MKS-SIDE	CWT-MKS-TOP	WB3X-MKS-01	CWT-MKS-BASE-xx
			

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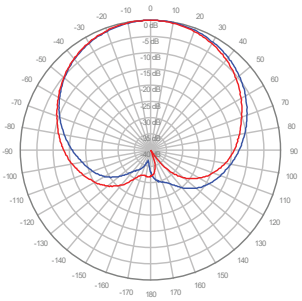
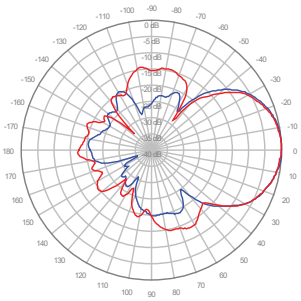
R1, 0° TILT

+45°

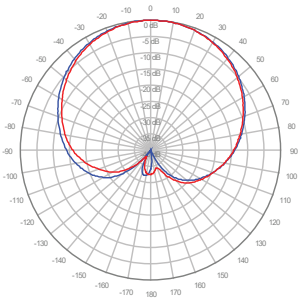


Azimuth



Elevation

-45°



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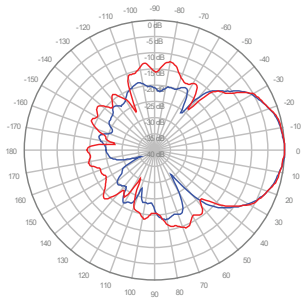
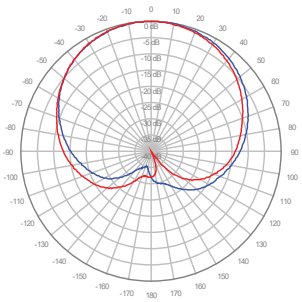


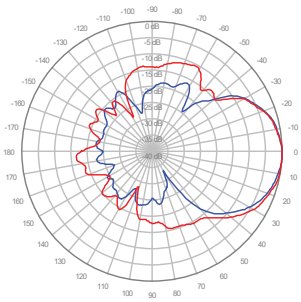
Elevation

R1, 5° TILT

+45°

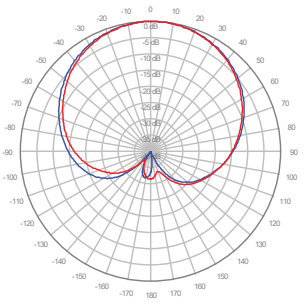


Azimuth



Elevation

-45°



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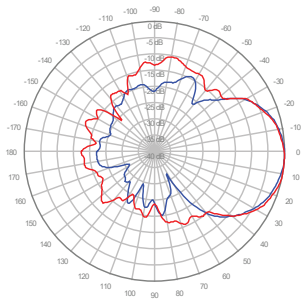

Elevation

750 MHz

850 MHz

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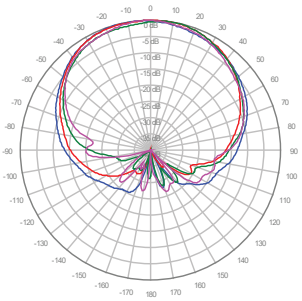
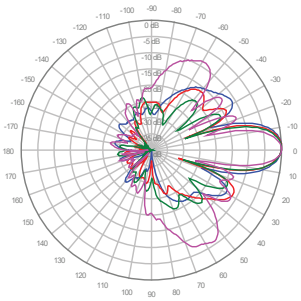
Y1, 0° TILT

+45°

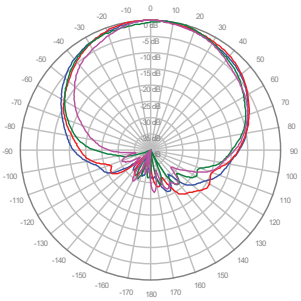


Azimuth

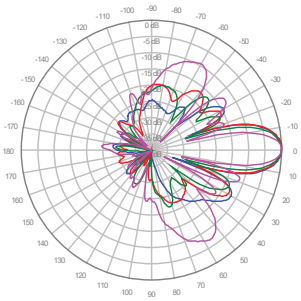


Elevation

-45°



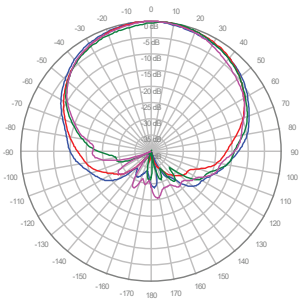
Azimuth



Elevation

Y1, 6° TILT

+45°



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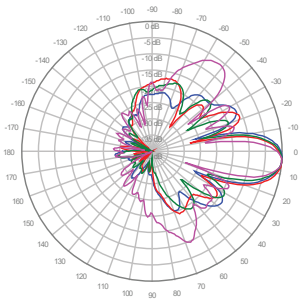
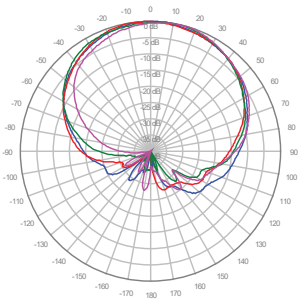
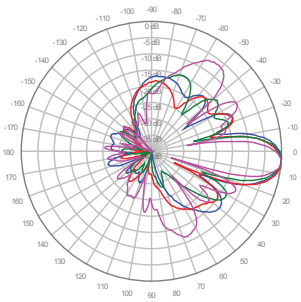


Elevation

-45°



Azimuth



Elevation

1800 MHz
1900 MHz
2100 MHz
2600 MHz