

CUUB180X06Fxyz0

TRI BAND | 180° PEANUT-SHAPE | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

Features

- 180° Peanut-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 in gray and brown



Connector Description

The antenna has 6 connectors located at the bottom.

Low Band	■ R1	696-960 MHz	(2x) 4.3/10 or 7/16-DIN Female
High Band #1	■ Y1	1695-2700 MHz	(2x) 4.3/10 or 7/16-DIN Female
High Band #2	■ Y2	1695-2700 MHz	(2x) 4.3/10 or 7/16-DIN Female

Electrical Characteristics

Low Band ■ R1

High Bands ■ Y1 and ■ Y2

Electrical specifications are shown for Sector #1. Back-to-Back antennas are combined to form azimuth peanut pattern shape.

Frequency Bands (MHz)	696-960 MHz		(2x) 1695-2700 MHz			
	696-806	806-960	1695-1880	1850-1990	1920-2200	2200-2700
Polarization	±45°		±45°			
Horizontal Beamwidth	75° ±1.9°	86° ±15.9°	65° ±11.7°	75° ±11.7°	76° ±10.7°	57° ±10.1°
Vertical Beamwidth	41.8° ±2.2°	38.7° ±3.6°	18.3° ±1.9°	16.8° ±1.1°	16.1° ±1.4°	12.8° ±1.3°
Gain (dBi)	6.9 ± 0.5	6.6 ± 0.9	10.0 ± 0.9	10.1 ± 0.9	10.3 ± 1.0	10.85 ± 0.8
Electrical Downtilt (°)	(x) 0, 5		(y) 0, 6			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	> 6 dB		> 11 dB			
Isolation Between Ports	20 dB		22 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(2x) 500 W		(4x) 300 W			
Diplexed	No					
Number of Sectors, Sector Spacing and/or Pattern Shape	180° Peanut-Shape					
Lightning Protection	Direct Ground					

Mechanical Characteristics

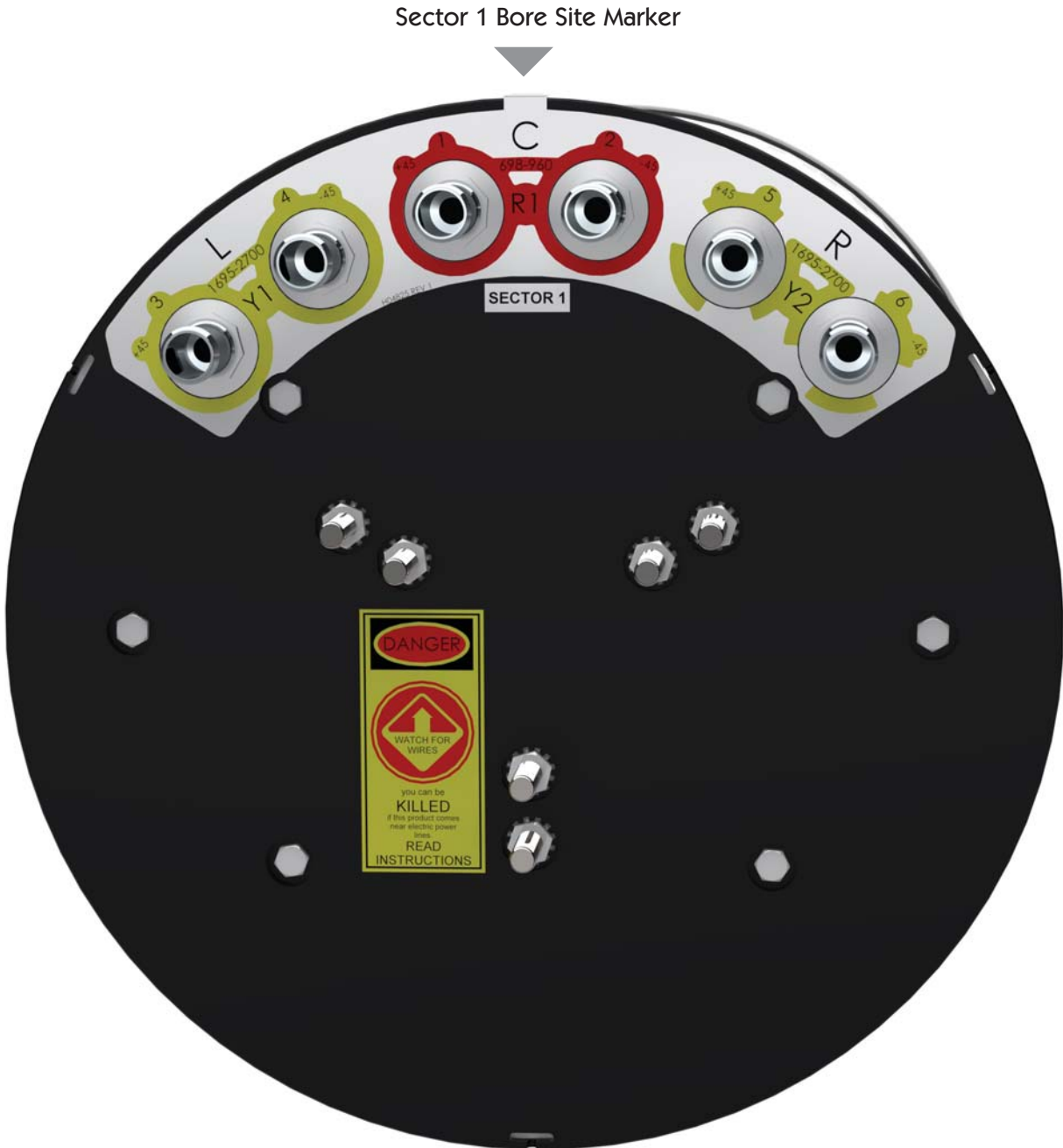
Antenna Dimensions (Height x Diameter)	610 x 371 mm	24.0 x 14.6 in
Weight without Mounting Bracket Kit	12.7 kg	28.0 lbs
Antenna Volume	0.07 m ³	2.3 ft ³
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.22 m ²	2.4 ft ²
Wind Load (160 km/hr or 100 mph)	191 N	43 lbf

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Bottom View - Labeling

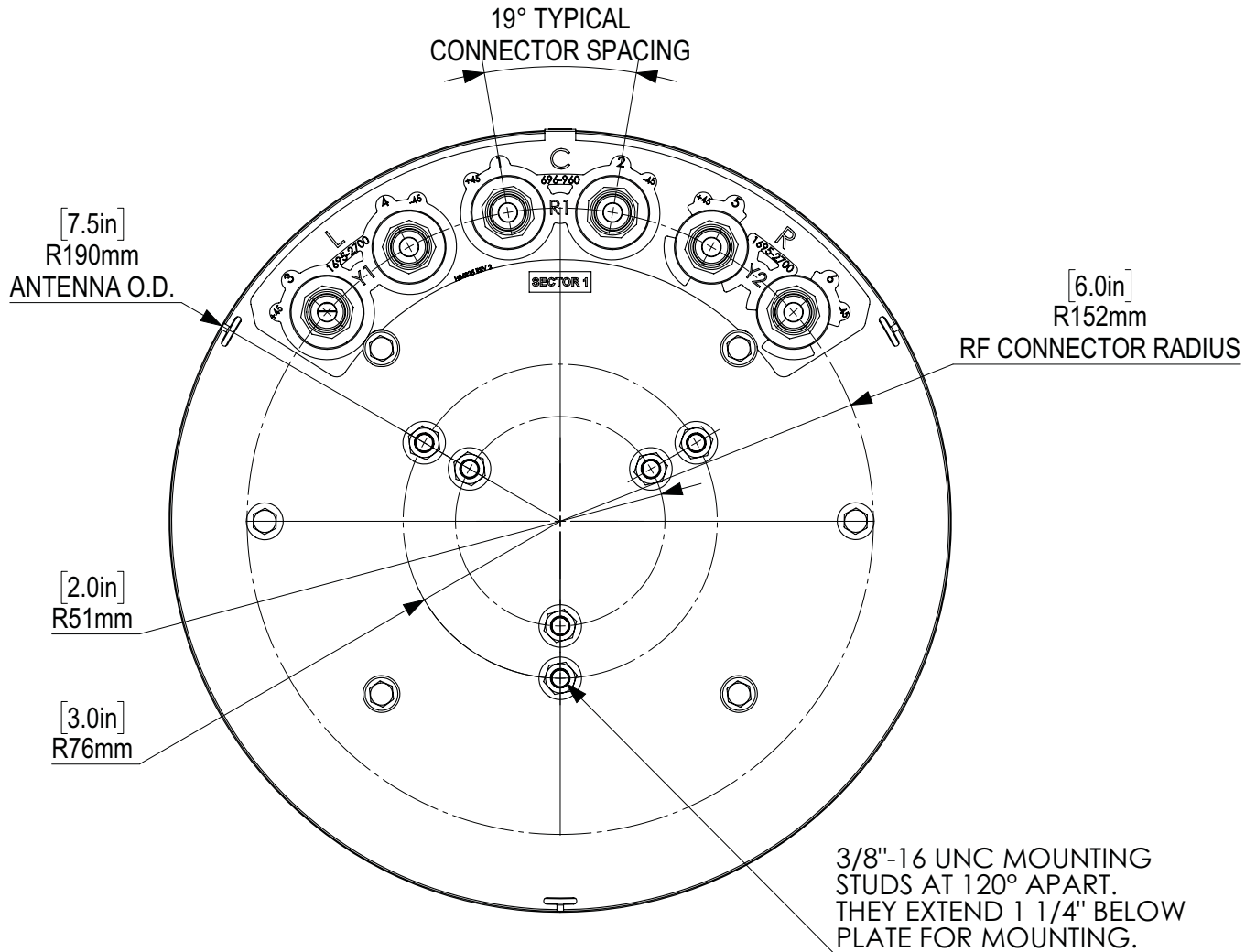


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Bottom View - Connector Diagram

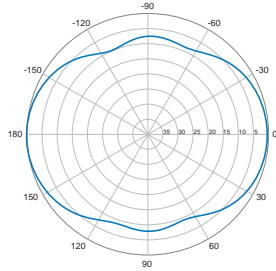


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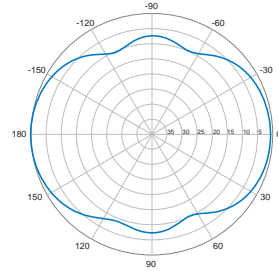
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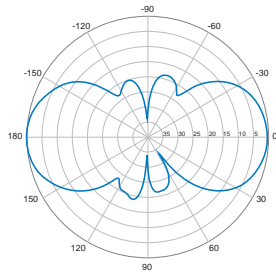
696-960 MHz



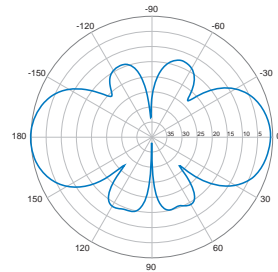
Horizontal | 750 MHz



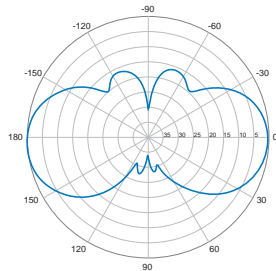
Horizontal | 850 MHz



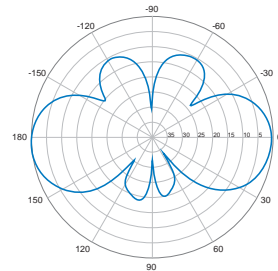
0° | Vertical | 750 MHz



0° | Vertical | 850 MHz



5° | Vertical | 750 MHz



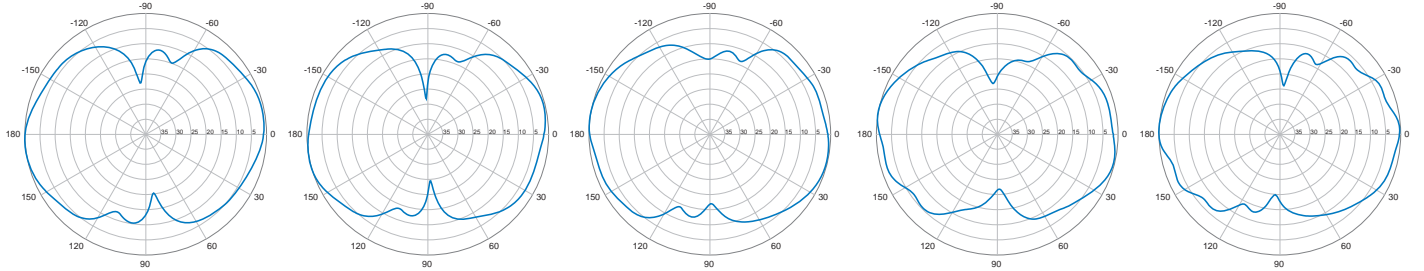
5° | Vertical | 850 MHz

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1695-2700 MHz



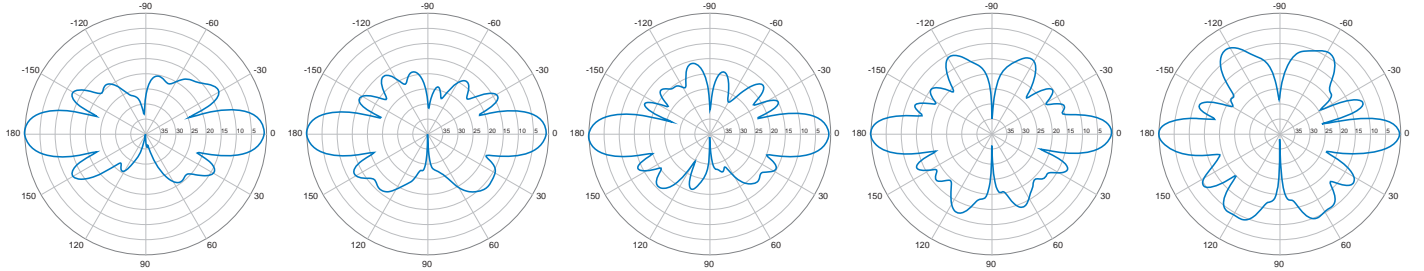
Horizontal | 1800 MHz

Horizontal | 1900 MHz

Horizontal | 2100 MHz

Horizontal | 2400 MHz

Horizontal | 2600 MHz



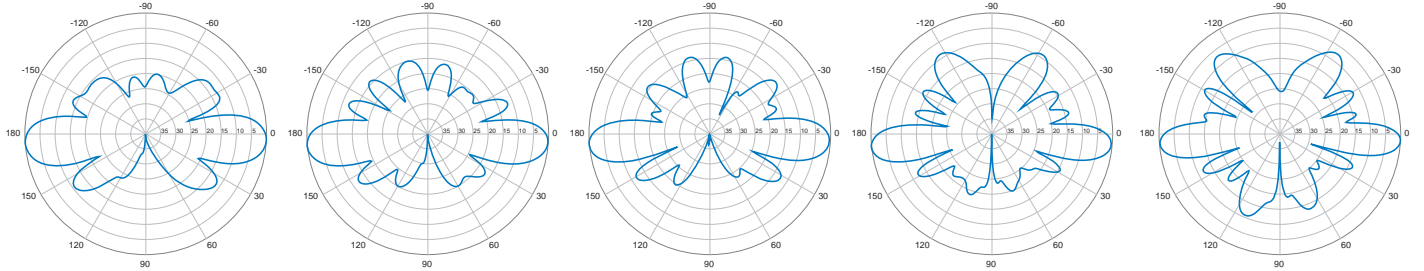
0° | Vertical | 1800 MHz

0° | Vertical | 1900 MHz

0° | Vertical | 2100 MHz

0° | Vertical | 2400 MHz

0° | Vertical | 2600 MHz



6° | Vertical | 1800 MHz

6° | Vertical | 1900 MHz

6° | Vertical | 2100 MHz

6° | Vertical | 2400 MHz

6° | Vertical | 2600 MHz

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Ordering Options

When ordering, select the Paint Color, Degree of Electrical Downtilt (**xy**) for the Low and High Bands and the Connector Type (**z**).

Paint Color	Electrical Downtilt Degree		Connector Type (z)	
	Low Band (x)	High Band (y)	4.3/10 Female	7/16-DIN Female
Painted Gray	0°	0°	CUUB180X06F 00 s0	CUUB180X06F 00D 0
	0°	6°	CUUB180X06F 06 s0	CUUB180X06F 06D 0
	5°	0°	CUUB180X06F 50 s0	CUUB180X06F 50D 0
	5°	6°	CUUB180X06F 56 s0	CUUB180X06F 56D 0
Painted Brown	0°	0°	CUUB180X06F 00 s0BR	CUUB180X06F 00D 0BR
	0°	6°	CUUB180X06F 06 s0BR	CUUB180X06F 06D 0BR
	5°	0°	CUUB180X06F 50 s0BR	CUUB180X06F 50D 0BR
	5°	6°	CUUB180X06F 56 s0BR	CUUB180X06F 56D 0BR

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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