




WB3X080X06Fx10

Single Band | Tri Sector Cylindrical Antenna | X-Pol | 80° | 14.2 dBi | Fixed Tilt

- Single band, cylindrical antenna
- Tri sector configuration (120°) with 6 connectors
- Ideal for Small Cell / DAS applications
- Can be ordered with a variety of different mounting options
- Can be painted to blend in with mounting structure

Ordering Options				
Option A: Mounting Kit and Painting Options	Mounting Kit Options		Model Number	Includes
<p>The WB3X080X06Fx10 can be ordered with different mounting kit options and can be painted to blend with the structure on which it's mounted.</p> <p>Select from the Mounting Kit and Painting Option combinations shown at right.</p>	 Unpainted (Gray)	Antenna only, no mounting kit	WB3X080X06Fx10	---
		with Side Mounting Pipe Mtg Kit	WB3X080X06Fx10-S	CWT-MKS-SIDE
		with Top Mounting Pipe Mtg Kit	WB3X080X06Fx10-T	CWT-MKS-TOP
		with Utility Pole Mounting Kit	WB3X080X06Fx10-U	WB3X-MKS-01
	 Painted Brown	Antenna only, no mounting kit	WB3X080X06Fx10BR	---
		with Side Mounting Pipe Mtg Kit	WB3X080X06Fx10BR-S	CWT-MKS-SIDE
		with Top Mounting Pipe Mtg Kit	WB3X080X06Fx10BR-T	CWT-MKS-TOP
		with Utility Pole Mounting Kit	WB3X080X06Fx10BR-U	WB3X-MKS-01
	 Painted White	Antenna only, no mounting kit	WB3X080X06Fx10WH	---
		with Side Mounting Pipe Mtg Kit	WB3X080X06Fx10WH-S	CWT-MKS-SIDE
		with Top Mounting Pipe Mtg Kit	WB3X080X06Fx10WH-T	CWT-MKS-TOP
		with Utility Pole Mounting Kit	WB3X080X06Fx10WH-U	WB3X-MKS-01

Option B: Electrical Downtilt

When ordering, replace the "x" in the model number with the desired electrical downtilt. Select from the options listed below under Electrical Downtilt.

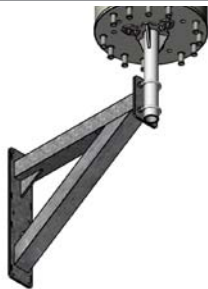
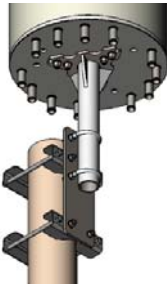

Electrical Characteristics	1695-2180 MHz		
	1695-1880	1850-1990	1900-2180
Frequency Bands (MHz)	1695-1880	1850-1990	1900-2180
Polarization	±45°		
Horizontal Beamwidth	74°	78°	80°
Vertical Beamwidth	15°	14°	13°
Gain	13.5 dBi	13.5 dBi	14.2 dBi
Omni Gain	8.8 dBi		
Electrical Downtilt (°)	(x) 0, 2		
Impedance	50Ω		
VSWR	< 1.4:1		
Upper Sidelobe Suppression	> 16 dB		
Front-to-Back Ratio	> 18 dB		
Isolation Between Ports	24 dB		
IM3 (2x20W Carriers)	< -153 dBc		
Input Power	300 W		
Total Number of Connectors / Type / Location	6 Connectors / 7-16 DIN / Female / Bottom of Antenna		
Diplexed	No		
Number of Sectors / Sector Spacing	3 Sectors / 120° Spacing		
Operating Temperature	-40° to +60° C (-40° to +140° F)		
Lightning Protection	Direct Ground		



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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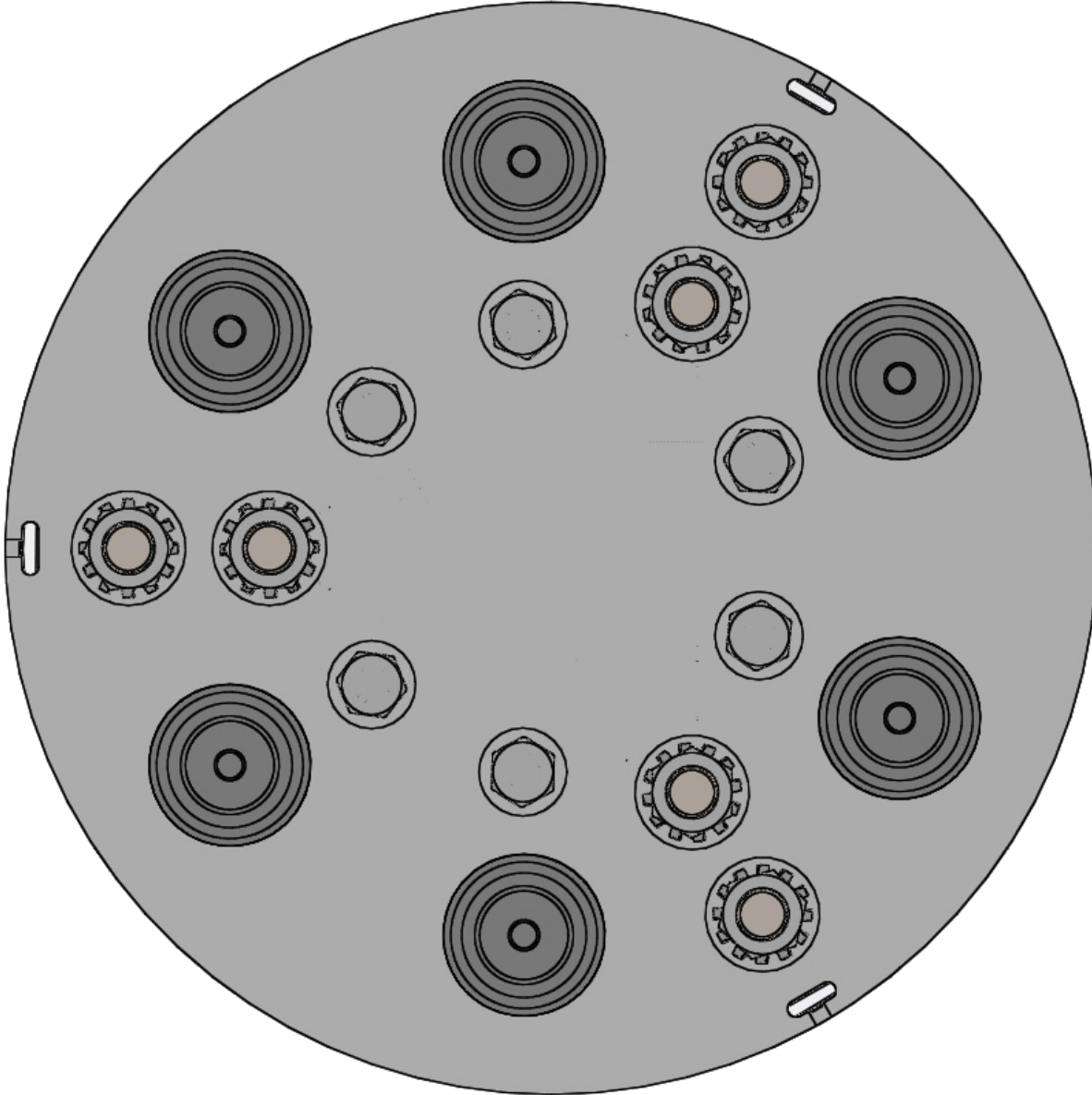
Mechanical Characteristics		
Dimensions (Height x Diameter)	668 x 191 mm	26.3 x 7.5 in
Weight without Mounting Brackets	5.9 kg	13 lbs
Survival Wind Speed	200 km/hr	125 mph
Wind Area	0.13 m ²	1.37 ft ²
Wind Loads (160 km/hr or 100 mph)	68 N	15 lbf
Mounting Options		
This antenna can be mounted using any of the following mounting kits. Mounting kits can be ordered as a separate line item with model number WB3X080X06F _x 10 or can be included with the antenna as a single line item. See Ordering Options (page 1) for details.		
Side Mounting, Pipe Mounting Kit	Part Number: CWT-MKS-SIDE	
Top Mounting, Pipe Mounting Kit	Part Number: CWT-MKS-TOP	
Utility Pole Mounting Kit	Part Number: WB3X-MKS-01	

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Bottom View of Antenna

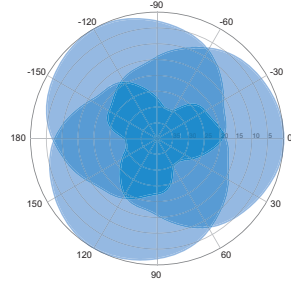


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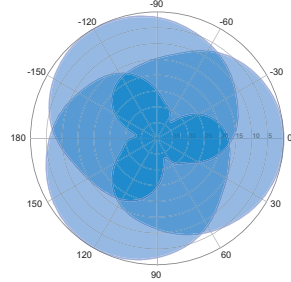
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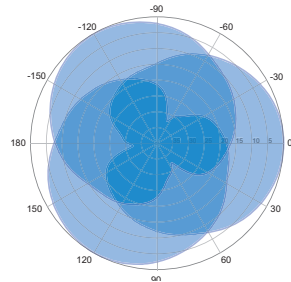
1695-2180 MHz



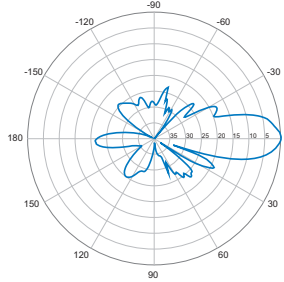
Horizontal | 1800 MHz



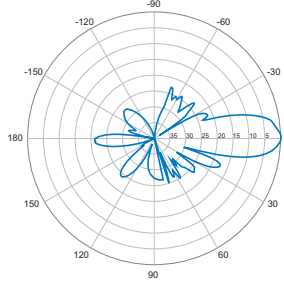
Horizontal | 1900 MHz



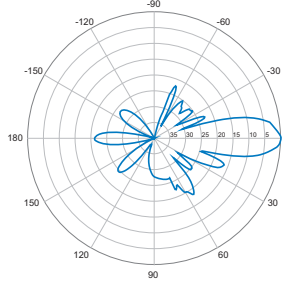
Horizontal | 2100 MHz



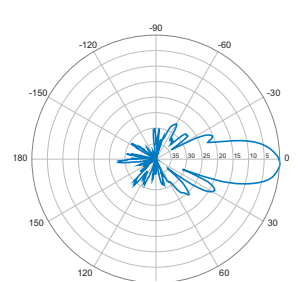
Vertical | 0° | 1800 MHz



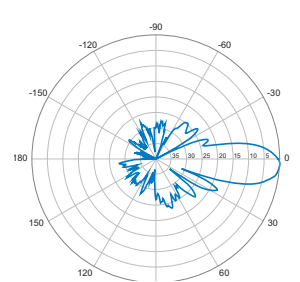
Vertical | 0° | 1900 MHz



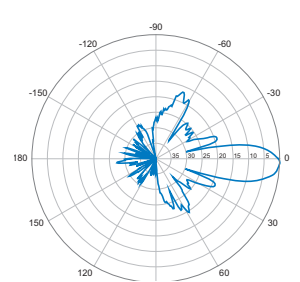
Vertical | 0° | 2100 MHz



Vertical | 2° | 1800 MHz



Vertical | 2° | 1900 MHz



Vertical | 2° | 2100 MHz

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