

HTXCW332021x000

Dual Band | Panel Antenna | XX-Pol | 33° / 33° | 19.5 / 20.5 dBi | Variable Tilt

- Dual band, XX-Pol, variable tilt, panel antenna
- Patented internal RET actuator adds no additional length to the antenna
- Features an adjustable mounting bracket channel for custom mounting in any situation

Ordering Options	Model Number
When ordering, replace "x" in the model number with one of the options listed below.	
Manual Electrical Tilt	HTXCW332021M000
Remote Electrical Tilt AISG v1.1	HTXCW332021R000
Remote Electrical Tilt AISG v2.0 / 3GPP	HTXCW332021R000G

Mounting bracket kits and other accessories are ordered separately.




Electrical Characteristics		696-900 MHz		1710-2170 MHz		
Frequency Bands (MHz)		696-806	806-900	1710-1880	1850-1990	1920-2170
Polarization		±45°		±45°		
Horizontal Beamwidth		44°	33°	40°	35°	30°
Vertical Beamwidth		8°	7°	6.2°	5.8°	5.3°
Gain		19.0 dBi	19.5 dBi	19.5 dBi	19.7 dBi	20.5 dBi
Electrical Downtilt		0-10°		0-8°		
Impedance		50Ω				
VSWR		≤ 1.5:1		≤ 1.5:1		
Upper Sidelobe Suppression		16 dB		16 dB		
Front-to-Back Ratio		> 25 dB		> 27 dB		
Isolation Between Ports (intra-band)		> 25 dB				
IM3 (3rd order for 2x20W carrier)		< -153 dBc				
Input Power		500 W		300 W		
Lightning Protection		Direct Ground				
Connector(s)		4 Ports / 7-16 DIN / Female / Bottom				
Mechanical Characteristics						
Dimensions (Length x Width x Depth)		2616 x 518 x 177 mm			103.0 x 20.4 x 7.0 in	
Weight without Mounting Brackets		38.0 kg			83.1 lbs	
Survival Wind Speed		> 241 km/hr			> 150 mph	
Wind Loads (160 km/hr or 100 mph)	Front	1654 N			373 lbf	
	Side	565 N			127 lbf	



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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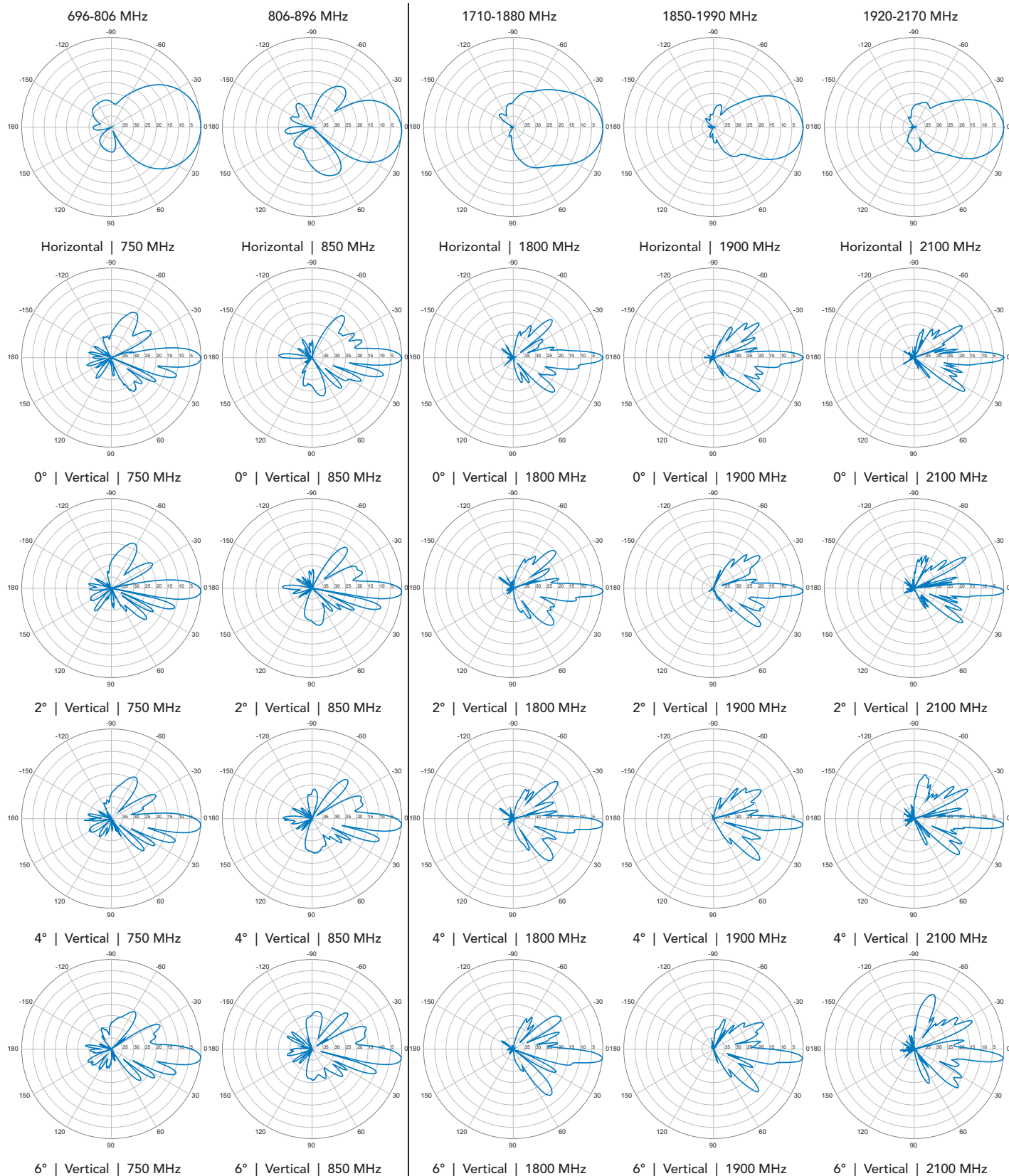
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Electrical Downtilt Control				
Electrical downtilt for each band can be controlled separately. Tilt indicator(s) are covered by removable transparent cap(s).				
Remote Electrical Tilt (RET) Control	The remote control of the electrical tilt is managed by a module (MDCU) totally inserted at the bottom of the antenna. One single module controls individually the tilt of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent cap must be in place and locked. The tilt angle indicator always remains visible and the antenna still has manual tilt control (manual override).			
RET Module	The RET module is factory installed and does not need to be ordered separately.			
	Part Number for AISG v1.1 protocol:	MDCU-A0000	One unit installed in HTXCW332021R000	
	Part Number for 3GPPP/AISG v2.0 protocol:	MDCU-G0000	One unit installed in HTXCW332021R000G	
Important Installation Instructions	In order to operate RET control, the transparent caps covering the tilt adjustment indicators must be engaged and locked. Do not cut them from the antenna.			
	Do not install the antenna with the connectors facing upward.			
Mounting Options	Part Number	Image	Fits Pipe Diameter	Weight
All mounting bracket kits are ordered separately unless otherwise indicated. Select from the options listed below.				
3-Point Mounting Bracket Kit	MKS09P03		50-115 mm 2.0-4.5 in	2.7 kg 6.0 lbs
3-Point Mounting & Downtilt Bracket Kit	MKS09T03		50-115 mm 2.0-4.5 in	4.1 kg 9.0 lbs

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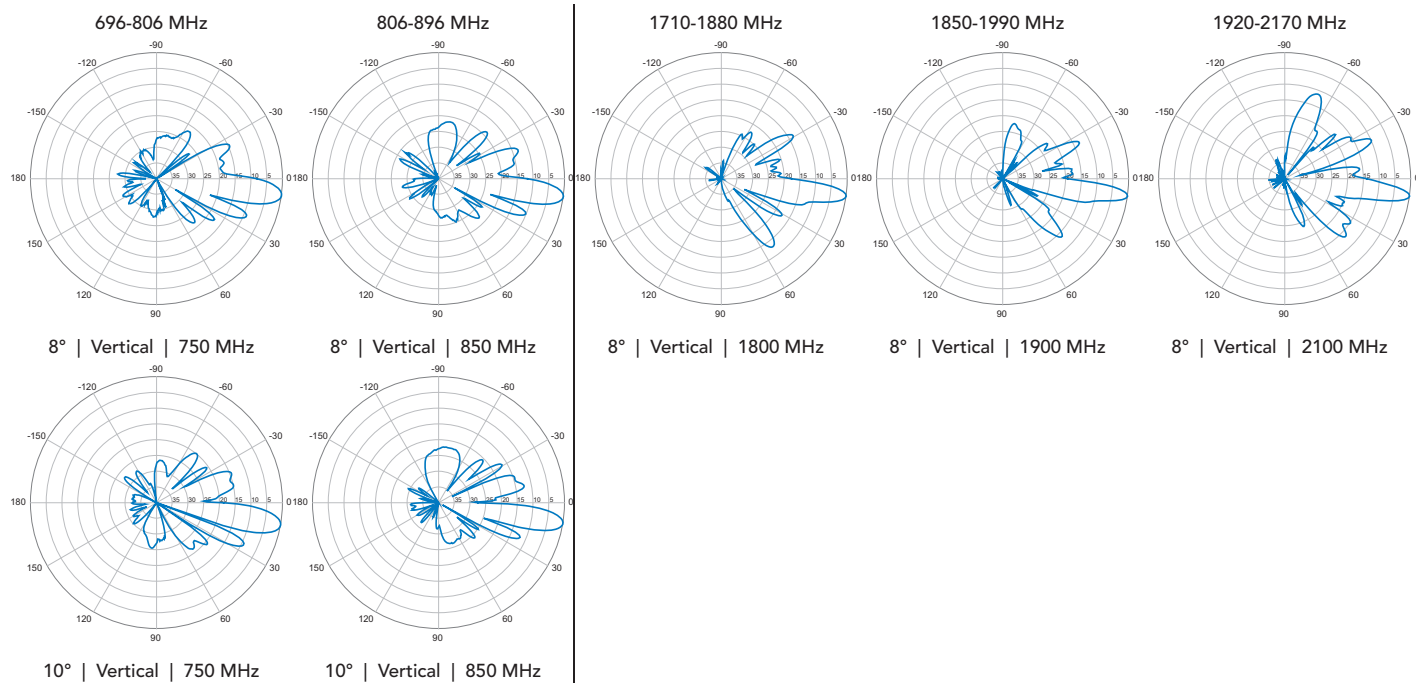
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