
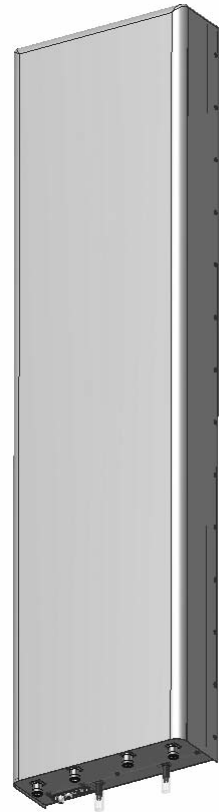


HTXCW331821x000

XX-Pol | Dual Band VET Panel | 33° / 33° | 17.5 / 19.5 dBi

Ordering Options	Part Number				
When ordering...	Replace "x" with "M" for Manual Electrical Tilt or "R" for Remote Electrical Tilt				
Manual Electrical Tilt	HTXCW331821M000				
Remote Electrical Tilt AISG v1.1	HTXCW331821R000				
Remote Electrical Tilt AISG v2.0 / 3GPP	HTXCW331821R000G				
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	42°	33°	35°	32°	30°
Vertical beamwidth	11°	9.5°	6.0°	5.8°	5.1°
Gain	16.5 dBi	17.5 dBi	19.0 dBi	19.3 dBi	19.5 dBi
Electrical downtilt	0-12°		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		
In-band isolation	> 23 dB		> 28 dB		
Isolation between ports	> 28 dB		> 28 dB		
IM3 (2x20W carrier)	< -150 dBc		< -150 dBc		
Input power	1 x 500 W		1 x 300 W		
Lightning protection	Direct Ground				
Operating temperature	-40° to +60° C (-40° to +140° F)				
Connector(s)	4 Ports / 7-16 DIN / Female / Bottom				
Mechanical Characteristics					
Dimensions (Length x Width x Depth)	2107 x 520 x 177 mm		83.0 x 20.5 x 7.0 in		
Weight without mounting brackets: MET	30.5 kg		67 lbs		
Weight without mounting brackets: RET	30.8 kg		67.7 lbs		
Survival wind speed	> 241 km/hr		> 150 mph		
Wind loads (160 km/hr or 100 mph)	Front: 1333 N; Side: 455 N		Front: 300 lbf; Side: 102 lbf		
Remote Electrical Downtilt Control					
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 caps must be in place and locked. The tilt angle indicators always remain visible and the antenna still has manual tilt control (manual override). This module is available in AISG v1.1 and AISG v2.0 and is considered a type 17 configuration.				
RET Module Part Number (one per antenna)	MDCU-A0000 for AISG v1.1 protocol (one unit included in HTXCW331821R000)				
	MDCU-G0000 for 3GPPP/AISG v2.0 protocol (one unit included in HTXCW331821R000G)				
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.				
Mounting Options	Part Number	Fits Pipe Diameter		Weight	
3-Point Mounting Bracket Kit	MKS09P03	50-115 mm	2.0-4.5 in	2.7 kg	6 lbs
3-Point Mounting & Downtilt Bracket Kit	MKS09T03	50-115 mm	2.0-4.5 in	4.1 kg	9 lbs

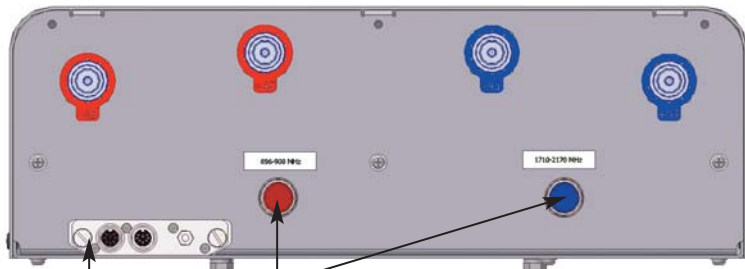


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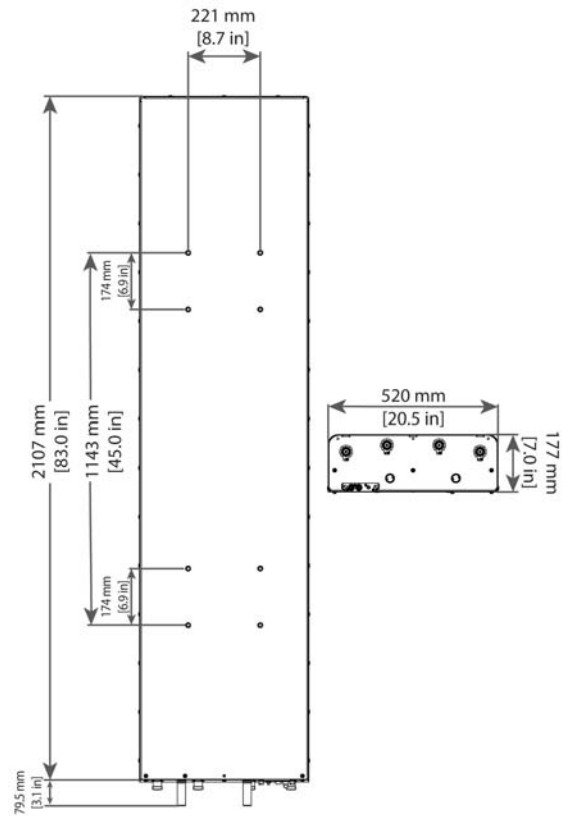
Bottom View



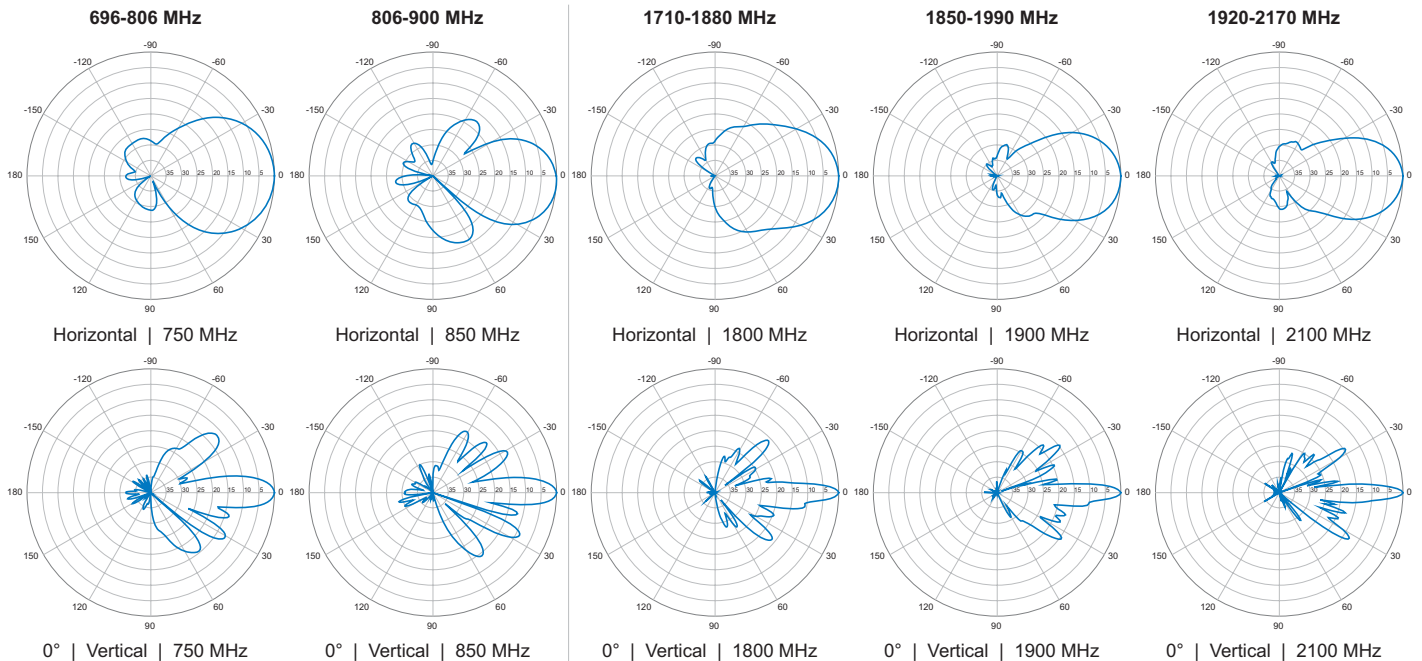
Location of the MDCU for RET Control

Tilt indicators covered by transparent caps. Manual adjustment is accessed by removing the caps. Knob colors are the same as the connectors.

Dimensions



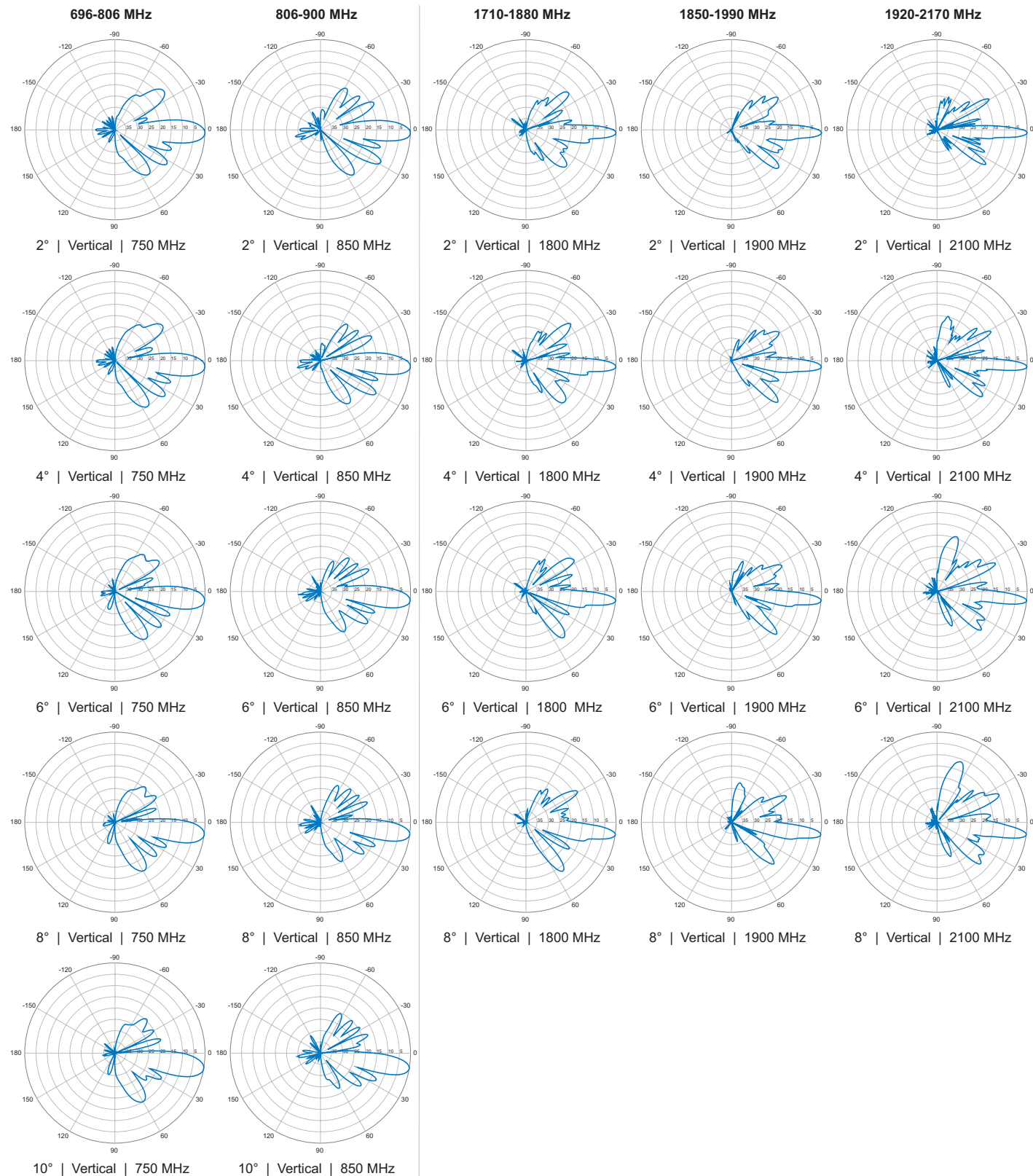
In order to operate RET control, the transparent caps covering the tilt adjustment indicators must be engaged and locked. Do not cut them from the antenna.



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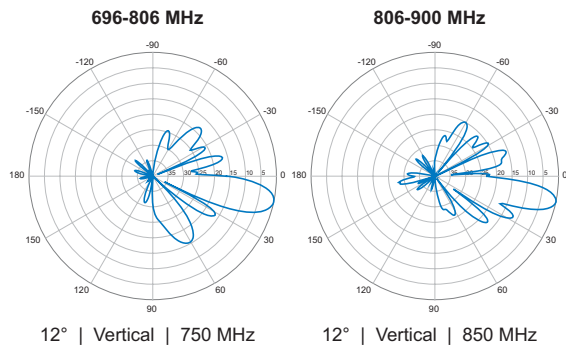
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