

QUAD334C0000x

Twin Band | Quad Port | Panel Antenna | (2x) X-Pol | 33° / 33° | 15.3 / 15.3 dBi | Variable Tilt

- Twin band, quad-port panel antenna with variable electrical tilt
- 4x4 MIMO
- Patented internal RET actuator adds no additional length to the antenna
- Can be ordered with a Multi-Device Dual Unit (MDDU) with two separate inputs for independent control of each band. Ideal for antenna sharing


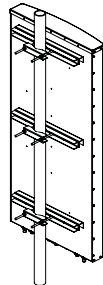
Ordering Options		Model Number
When ordering, replace "x" in the model number with one of the options listed below.		
Manual Electrical Tilt		QUAD334C0000M
Remote Electrical Tilt AISG v2.0 / 3GPP with an MDCU RET Actuator		QUAD334C0000G
Remote Electrical Tilt AISG v2.0 / 3GPP with an MDDU RET Actuator		QUAD334C0000L
Mounting bracket kits and other accessories are ordered separately.		
Electrical Characteristics		(2x) 696-960 MHz
Frequency Bands		696-806 MHz 806-960 MHz
Polarization		(2x) ±45° (Quad-Pol)
Horizontal Beamwidth		35° 30°
Vertical Beamwidth		21.0° 17.5°
Gain		14.3 dBi 15.3 dBi
Electrical Downtilt		0-14°
Impedance		50Ω
VSWR		≤ 1.5:1
Upper Sidelobe Suppression (typical)		> 16 dB > 18 dB
Front-to-Back Ratio		> 25 dB > 27 dB
In-Band Isolation		> 25 dB
Isolation Between Ports		> 30 dB
IM3 (2x20W carrier)		< -153 dBc
Input Power		(4x) 500 W
Total Number of Connectors		Antennas has 4 connectors located at the bottom
Connectors Per Band	696-960 MHz	(2x) 7/16-DIN Female
	696-960 MHz	(2x) 7/16-DIN Female
Diplexed		No
Lightning Protection		Direct Ground
Operating Temperature		-40° to +60° C (-40° to +140° F)
Mechanical Characteristics		
Dimensions (Length x Width x Depth)		1395 x 1080 x 177 mm 54.9 x 42.5 x 7.0 in
Depth with Z-Brackets		224 mm 8.8 in
Weight without Mounting Brackets: MET		36.9 kg 81.3 lbs
Weight without Mounting Brackets: RET		37.2 kg 82.0 lbs
Survival Wind Speed		> 241 km/hr > 150 mph
Wind Area	Front	1.5 m² 16.2 ft²
	Side	0.3 m² 2.7 ft²
Wind Loads (160 km/hr or 100 mph)	Front	2020 N 454 lbf
	Side	302 N 68 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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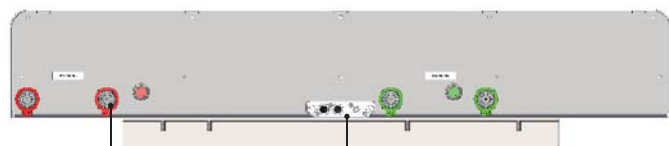
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Electrical Downtilt Control				
Electrical downtilt for each band can be controlled separately. Tilt indicator(s) are covered by removable transparent cap(s).				
Manual Electrical Tilt (MET) Control	A colored knob at the end of the tilt indicator allows change of the tilt without need of a tool. The knob color is identical to the corresponding connector ring color. To access the knob, remove the cap by turning it counter-clockwise. It is re-installed by opposite rotation. Do not remove the transparent cap(s) from the antenna.			
Remote Electrical Tilt (RET) Control	The remote control of the electrical tilt is managed by either a Multi-Device Control Unit (MDCU) or a Multi-Device Dual Unit (MDDU) inserted in the bottom of the antenna. A single actuator individually controls the tilt of each band (no need for daisy chain cables between the bands). This module does not add any additional length to 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).			
RET Actuator	Select one of the following RET actuators when ordering this antenna.			
	Multi-Device Control Unit (MDCU)	The MDCU is an electronic module that allows the remote control of the electrical downtilt (RET) in Amphenol antennas with factory embedded motors. The MDCU is factory installed. Refer to ordering options.		
	Multi-Device Dual Unit (MDDU)	The MDDU allows two separate RET Controllers to independently drive the RETs in Amphenol antennas with factory installed motors (for antenna sharing). The MDDU is factory installed. Refer to ordering options.		
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 <i>Antenna cannot be mechanically downtilted.</i>	MKS09P04		50-115 mm 2.0-4.5 in	14.5 kg 32 lbs

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Bottom View of Antenna



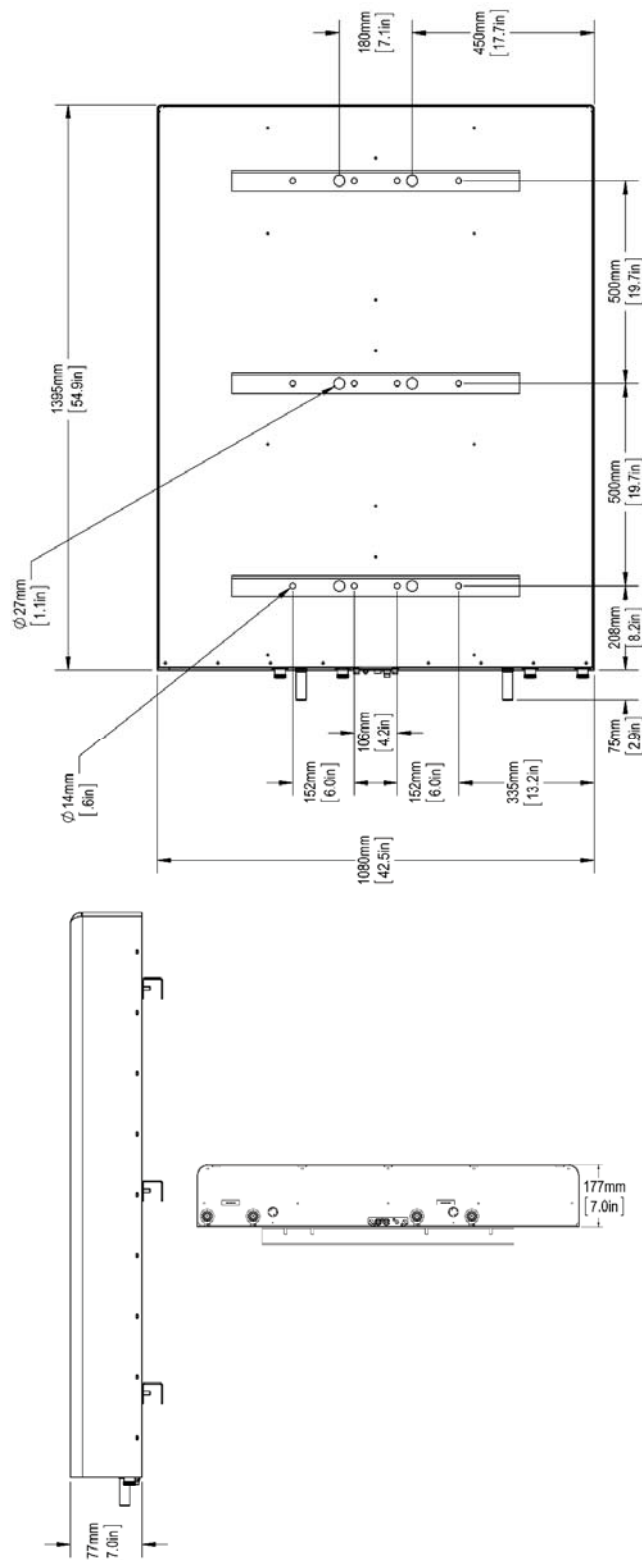
Location of the MDCU or MDDU for RET Control (MDCU shown)

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



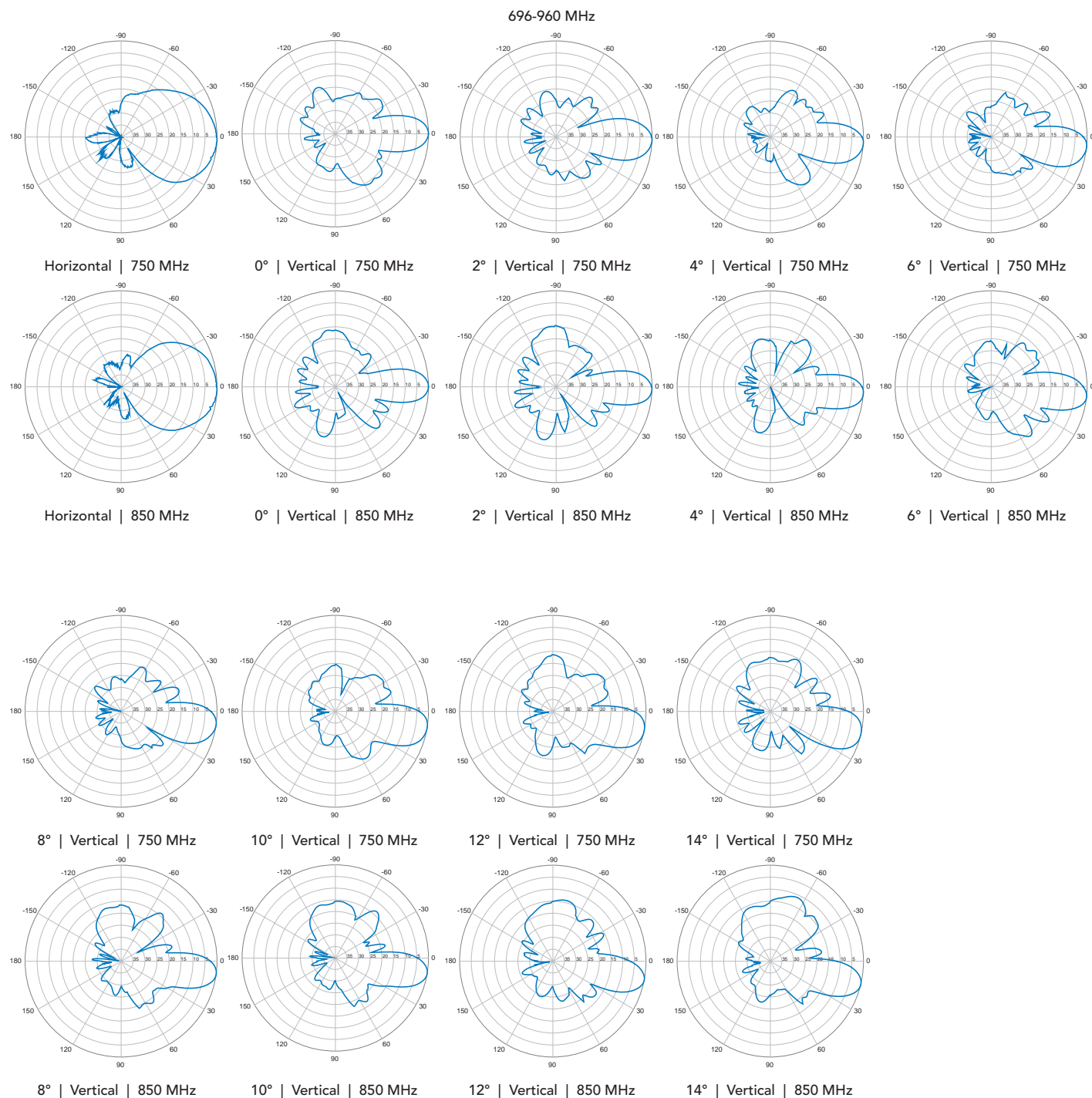
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Dimensions



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