HTXC3320x000

Single Band | Panel Antenna | X-Pol | 33° | 19.5 dBi | Variable Tilt

- Single band, X-Pol, variable tilt, panel antenna
- Patented internal RET actuator adds no additional length to the antenna

Ordering Options	Model Number
When ordering, replace "x" in the model number with one of the options listed below.	
Manual Electrical Tilt	HTXC3320M000
Remote Electrical Tilt AISG v1.1	HTXC3320R000
Remote Electrical Tilt AISG v2.0 / 3GPP	HTXC3320G000
Mounting bracket kits and other accessories are ordered separately.	

Electrical Characteristics	696-900 MHz	
Frequency Bands (MHz)	696-806	806-900
Polarization	±45°	
Horizontal Beamwidth	44°	33°
Vertical Beamwidth	8°	7°
Gain	19.0 dBi	19.5 dBi
Electrical Downtilt	0-10°	
Impedance	50Ω	
VSWR	≤ 1.5:1	
Upper Sidelobe Suppression	16 dB	
Front-to-Back Ratio	> 25 dB	
Isolation Between Ports	> 25 dB	
Input Power	2 x 500 W	
IM3 (2x20W carrier)	< -153 dBc	
Total Number of Connectors	Antennas has 2 connectors located at the bottom	
Connectors Per Band, Type, Location	2 Connectors / 7/16-DIN / Female / Bottom	
Diplexed	No	
Lightning Protection	Direct Ground	
Operating Temperature	-40° to +60° C (-40° to +140° F)	

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		33.2 kg	73 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

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Electrical Downtilt Control			
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 a Multi-Device Control Unit (MDCU) inserted in the bottom of the antenna. One single module individually controls the tilt of each band (no need of daisy chain cables between the bands). This module does not add any additional length to 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 on HTXC3320R000
	Part Number for 3GPP/AISG v2.0 protocol:	MDCU-G0000	One unit installed on HTXC3320G000
Important Installation Instructions	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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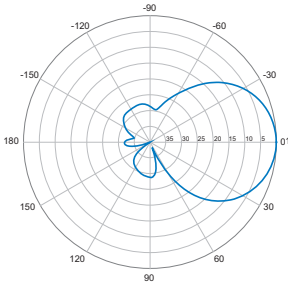
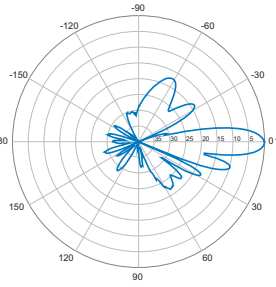
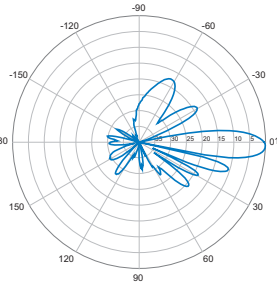


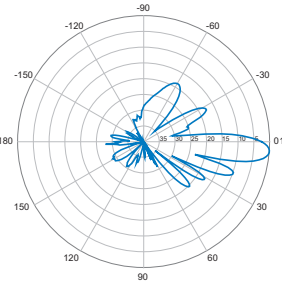
Horizontal | 750 MHz



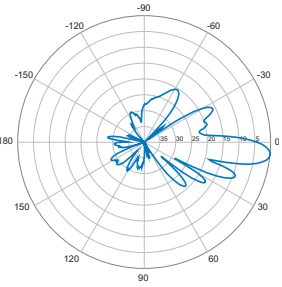
0° | Vertical | 750 MHz



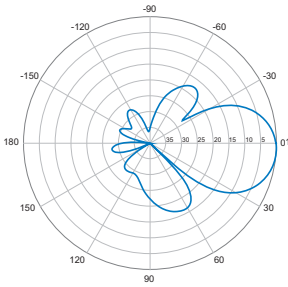
2° | Vertical | 750 MHz



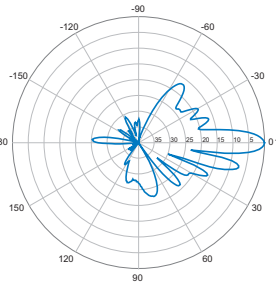
4° | Vertical | 750 MHz



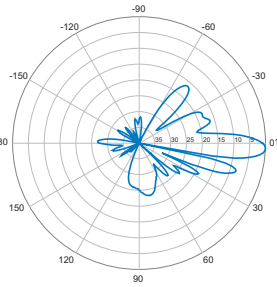
6° | Vertical | 750 MHz



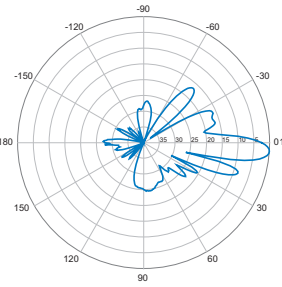
Horizontal | 850 MHz



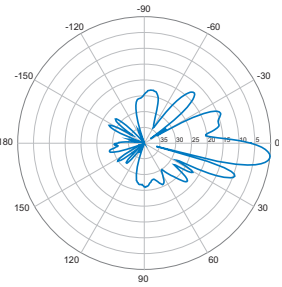
0° | Vertical | 850 MHz



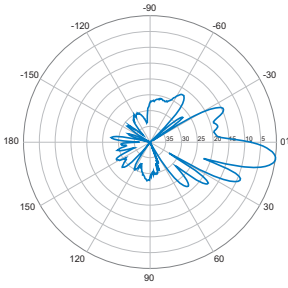
2° | Vertical | 850 MHz



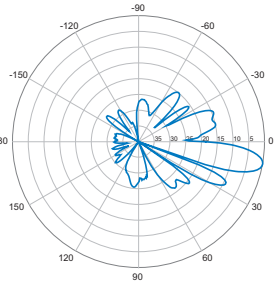
4° | Vertical | 850 MHz



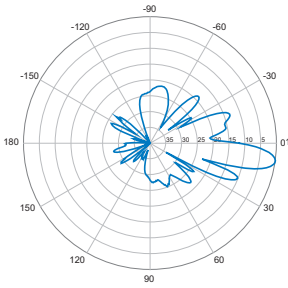
6° | Vertical | 850 MHz



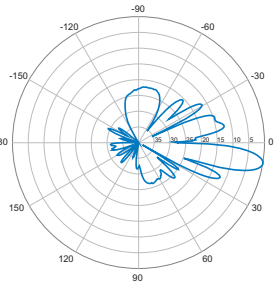
8° | Vertical | 750 MHz



10° | Vertical | 750 MHz



8° | Vertical | 850 MHz



10° | Vertical | 850 MHz