

4513F_{xy}2

Tri Band | Panel | XXX-Pol | 45° | 13.9 / 14.4 / 14.4 | Fixed Tilt

- Tri Band, XXX-Pol, fixed tilt, panel antenna
- Features ultra wide low band frequency range

Ordering Options	Model Number					
When ordering, replace the "x" in the model number with the desired electrical downtilt for the 696-960 MHz frequency and replace the "y" in the model number with the desired electrical downtilt for the 1710-2690 MHz range. Select from the options listed below under Electrical Downtilt.						
7/16-DIN Female Connectors	4513F _{xy} 2					
4.3-10 Female Connectors	4513F _{xy} 2N					
Electrical Characteristics	696-960 MHz			(2x) 1710-2690 MHz		
Frequency Bands (MHz)	696-790	790-880	880-960	1710-1880	1920-2170	2200-2690
Polarization	±45°			(2x) ±45°		
Horizontal Beamwidth	47°	42°	37°	49°	42°	38°
Vertical Beamwidth	40.6°	35.4°	30.8°	24.8°	23.0°	21.7°
Gain	12.2 dBi	13.3 dBi	13.9 dBi	12.9 dBi	14.1 dBi	14.4 dBi
Electrical Downtilt	(x) 0			(y) 0		
Impedance	50Ω			50Ω		
VSWR	≤ 1.5:1			≤ 1.5:1		
Front-to-Back Ratio	> 24 dB			> 25 dB		
Isolation Between Bands	> 30 dB			> 30 dB		
Isolation Between Ports	≥ 25 dB			≥ 25 dB		
IM3 (2x20W carrier)	< -150 dBc			< -150 dBc		
Input Power	(2x) 500 W			(4x) 300 W		
Lightning Protection	Direct Ground					
Total Number of Connectors	Antenna has 6 connectors located at the bottom					
Connectors Per Band, Type, Location	R1	696-960 MHz	2 Connectors / 7/16-DIN or 4.3-10 Female / Bottom			
	Y1	1710-2690 MHz	2 Connectors / 7/16-DIN or 4.3-10 Female / Bottom			
	Y2	1710-2690 MHz	2 Connectors / 7/16-DIN or 4.3-10 Female / Bottom			





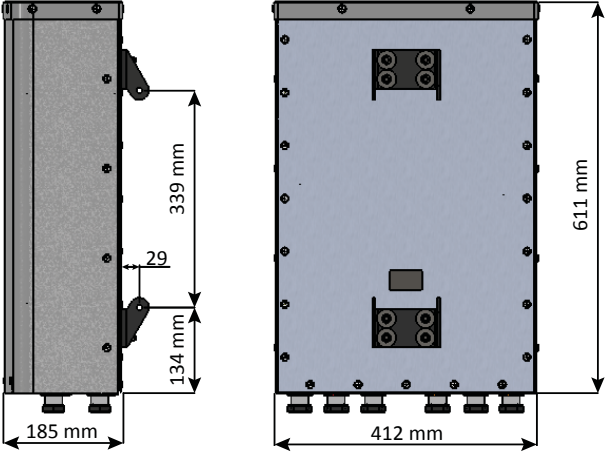
Mechanical Characteristics			
Dimensions (Height x Width x Depth)		611 x 412 x 185 mm	24.1 x 16.2 x 7.3 in
Weight without Mounting Brackets		7.1 kg	15.7 lbs
Survival Wind Speed		241 km/hr	150 mph
Wind Area	Front	0.25 m ²	2.7 ft ²
	Side	0.11 m ²	1.2 ft ²
Wind Loads (160 km/hr or 100 mph)	Front	305 N	68 lbf
	Side	135 N	30 lbf

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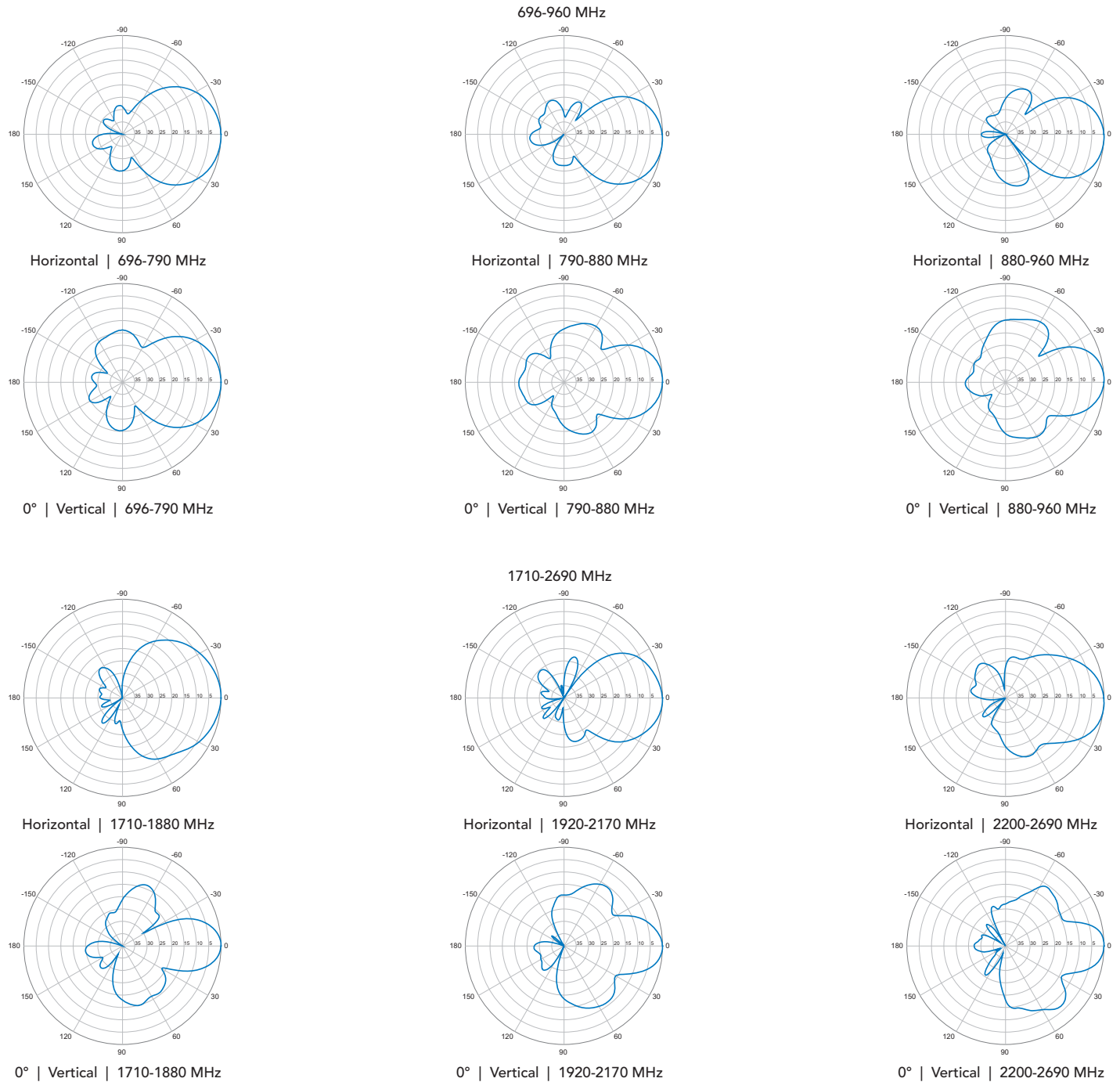
Mounting Options	Part Number	Image	Fits Pipe Diameter	Weight
The following mounting and downtilt bracket kits are included with the antenna.				
2-Point Mounting Bracket Kit (included)	0900181/00		48-115 mm 1.9-4.5 in	3.4 kg 7.5 lbs
Kit to Add Mechanical Downtilt [0°-10°] (included)	0900397/00	<p>NO IMAGE AVAILABLE</p> <p>COMING SOON</p>	----	3.0 kg 6.6 lbs

Bottom View of Antenna	Dimensions
	

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