

Electrical Specifications									
Frequency range (MHz)	1710-2170								
	1710-1880			1850-1990			1920-2170		
Polarization	±45°								
Electrical downtilt (°)	0 – 12								
Tilt (°)	0	6	12	0	6	12	0	6	12
Gain (dBi)	15.1	15.3	15.1	15.2	15.3	15.2	15.4	15.5	15.4
1 <sup>st</sup> USLS (Min.) (dB)	17	17	17	17	17	17	16	16	16
Horizontal 3dB beamwidth (°)	66			65			64		
Vertical 3dB beamwidth (°)	12.8			12.0			11.4		
Front to back, co-polar (Typ.) (dB)	>28								
Cross polar ratio (Typ.) (dB)	0°			20					
	±60°			10					
VSWR   RL (dB)	<1.4   >15.6								
Isolation between ports (dB)	≥30								
Max. power per input (W)	250 (at 50° C environmental temperature)								
Intermodulation IM3 (dBc)	≤ -153 (2×20 W carrier)								
Impedance(Ω)	50								
Lightning protection	DC Grounded								



Mechanical Specifications		
Connector	2×7/16 DIN Female	
Connector position	Bottom	
Dimensions H×W×D (in)   (mm)	28.5×6.5×3.5 725×165×90	
Weight (lb)   (kg)	8.2   3.7	
Mechanical downtilt (°)	0-17	
Mast diameter supported (in)   (mm)	2.0-4.5   50-115	
Radome material / color	PVC / Light grey	
Operational temperature (°C)	-55~+65	
Wind load (lbf)   (N)	Front	33.7   150 (at 150 km/h)
	Side	15.7   70 (at 150 km/h)
	Rear	39.3   175 (at 150 km/h)
Max. operational wind speed (mph)   (km/h)	93   150	
Survival wind speed (mph)   (km/h)	124   200	

