

Electrical Specifications																						
Frequency range (MHz)		690-960 x 2									Lower 1690-2690 x 2											
		690-806			824-894			880-960			1690-1990			1920-2200			2200-2490			2490-2690		
Polarization		± 45°																				
Electrical downtilt (°)		0 – 12									0 – 10											
Tilt (°)		0	6	12	0	6	12	0	6	12	0	5	10	0	5	10	0	5	10	0	5	10
Gain (dBi)		14.4	14.5	14.4	15.1	15.2	15.0	15.3	15.4	15.3	16.6	16.8	16.6	17.3	17.5	17.3	17.5	17.8	17.7	17.6	17.7	17.5
1 st USLS (Min.) (dB)		17	17	16	17	16	16	17	16	16	17	16	16	17	16	16	17	16	16	17	16	15
Horizontal 3dB beamwidth (°)		70			66			59			68			65			63			59		
Vertical 3dB beamwidth (°)		10.7			9.8			9.3			6.6			6.0			5.6			4.9		
Front to back, co-polar (Typ.) (dB)		>25									>25											
Cross polar ratio (Typ.) (dB)	0°	>15									>15											
	±60°	>7									>6											
VSWR RL (dB)		<1.5 >14																				
Isolation between ports (dB)		≥28																				
Max. power per input (W)		500 (at 50° C environmental temperature)									250 (at 50° C environmental temperature)											
Intermodulation IM3 (dBc)		≤ -153 (2× 20 W carrier)																				
Impedance(Ω)		50																				
Lightning protection		DC Ground																				

Electrical Specifications													
Frequency range (MHz)		Middle 1690-2690											
		1690-1990			1920-2200			2200-2490			2490-2690		
Polarization		±45°											
Electrical downtilt (°)		0 – 10											
Tilt (°)		0	5	10	0	5	10	0	5	10	0	5	10
Gain (dBi)		16.4	16.6	16.4	17.1	17.3	17.1	17.3	17.5	17.3	17.5	17.6	17.3
1 st USLS (Min.) (dB)		17	17	16	17	17	16	17	16	16	17	16	15
Horizontal 3dB beamwidth (°)		67			64			62			60		
Vertical 3dB beamwidth (°)		6.6			6.0			5.6			4.9		
Front to back, co-polar (Typ.) (dB)		>28											
Cross polar ratio (Typ.) (dB)	0°	>15											
	±60°	>7											
VSWR RL (dB)		<1.5 >14											
Isolation between ports (dB)		≥28											
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	10×4.3-10 Female	
Connector position	Bottom	
Dimensions H×W×D (in) (mm)	81.0×17.7×6.5 2058×450×165	
Weight (lb) (kg)	69.9 29	
Mechanical downtilt (°)	0-10	
Mast diameter supported (in) (mm)	2.0-4.5 50-115	
Radome material / color	Fiberglass / Light grey	
Operational temperature (°C)	-55~+65	
Wind load (lbf) (N)	Front	242.8 1085 (at 150 km/h)
	Side	89.9 400 (at 150 km/h)
	Rear	272.0 1210 (at 150 km/h)
Max. operational wind speed (mph) (km/h)	93 150	
Survival wind speed (mph) (km/h)	124 200	

ET Specifications

Protocol	AISG 2.0/3GPP							
Voltage Range	10-36V DC							
Power Consumption	<1W Idle							
	<10W Tilting							
Hardware Interface	1	2	3	4	5	6	7	8
	DC	n/c	RS-485B	n/c	RS-485A	DC in/out	DC return	n/c
Connectors	8 pin connector, male, conform to AISG 2.0 8 pin connector, female, conform to AISG 2.0							
Adjustment Resolution	0.1 degree							

