



ELECTRICAL PERFORMANCE		
Antenna Size	2.4M	
Frequency(GHz)	Rx	Tx
	Rx: 7.25 -7.75GHz	Tx: 7.90 – 8.40GHz
Antenna Gain at Midband, dBi	43.7dBi	44.4dBi
VSWR	≤1.3:1	≤1.3:1
Axial Ratio	1.13dB	1.0dB
Antenna Noise Temperature		

10°Elevation	30K	
20°Elevation	33K	
30°Elevation	29K	
Port to Port Isolation	20dB	20dB
Feed Interface	WR112	WR112
Feed Insertion Loss(dB)	≤0.3	
MECHANICAL SPECIFICATION		
Antenna Type	Offset / Ring focus	
Surface Accuracy(RMS)	≤0.35	
Mount Type	Elevation over Azimuth	
Antenna travel range		
Azimuth	0°-360°	
Elevation	0°-90°	
ENVIRONMENTAL SPECIFICATION		
Wind loading		
Operational	80km/h	
Survival	200km/h	
Temperature	-40□ to 60□	
Rain	13mm per hour	
Solar Radiation	360BTU/h/ft ²	