PERFORMANCE SPECIFICATIONS（APERTURE 2.4M）

★ R. F SPECIFICATIONS	C-Band RECEIVE	C-Band TRANSMIT
1. Frequency	3.625-4.2GHz	5.850-6.425GHz
2. Gain at Midband	38.2dB	41.5dB
3. VSWR	1.25:1	1.25:1
4. Beamwidth（-3dB）	2.0°	1.3°
5. Antenna Noise Temperature		
5° Elevation	42°K	
10° Elevation	30 °K	
20° Elevation	28 °K	
30° Elevation	25 °K	
6. Typical G/T at 20° Elevation, Clear Horizon, 4GHz with 55°K LNA	19dB/ °K	
7. Power Handling Capability		2kW
8. Feed Interface	CPR-229F	CPR-137G
9. Feed Insertion Loss	0.15dB	0.18dB
10. Cross Polarization Isolation		
On Axis	35dB	35dB
With 1 dB Beamwidth	30dB	30dB
11. Port to Port Isolation （Tx-Rx with Filter）	≥85dB	
12. Axial Ratio（Circular Polarization）2 Port Tx/Rx	1.5dB	1.5dB
13. Sidelobes		
1st sidelobe		-14dB
$1° \le \theta \le 20°$		29－25Log θ dBi

* Provided according to User's needs

★ MECHANICAL SPECIFICATION	
1. Azimuth Travel	360°
2. Azimuth Travel Rate	0.5 °/s
3. Elevation Travel	5°-90° continuous
4. Elevation Travel Rate	0.5 °/s
5. Polarization Travel	±90 °
6. Materials of Reflectors	aluminum
7. Finish of Reflectors	White paint
8. Finish of Steel parts	Heating & soaking with zinc
9. Weight (Gross / Net)	255kg/172kg
10. Shipping Volume	$1.15m^3$

★ ENVIRONMENTAL SPECIFICATIONS	
1. Operational Wind Speed	35m/s
2. Survival Wind Speed	55m/s
3. Ambient Temperature	-50°- 60°
4. Rain（operational and survival）	10cm/h
5. Solar Radiation	$1000kcal/hm^2$
6. Relative Humidity	0%-100%
7. Radial Ice	2.5cm
8. Seismic(Survival)	0.3G's Horizontal 0.1G's Vertical

Design and specifications subject to change without notice

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