7.3m C/Ku/L-Band Rx Only Antenna

Features:

- Dual shape ring-focus design
- Aluminum major reflector & sub reflector with high precision ▪ High gain and excellent sidelobe performance
- Factory feed system and king post pedestal assembled to reduce installation time
- No field alignment requirement ▪ Well in anti-corrosion ▪ Excellent in stability

7.3m C/Ku/L-Band Rx Only Antenna Specifications

◆ R.F SPECIFICATIONS	C-Band	Ku-Band	L-Band
	RECEIVE	RECEIVE	RECEIVE
1. Frequency (GHz)	3.625-4.2	12.25-12.75	1.1-1.5GHz
	3.4-4.2 ★	10.95-12.75 ★	
2. Typical Gain (dBi)	47.71 at 3.8GHz	57.73 at 12.5GHz	38.08 at 13GHz
3. VSWR	1.25:1	1.3:1	1.3:1
4. Beamwidth (-3dB)	0.676°	0.213°	2.05°
5. Antenna Noise Temperature(K)	1/2Port Feed	1/2Port Feed	1 Port Feed
10° Elevation	33K	39K	
20° Elevation	28K	34K	43K
40° Elevation	24K	30K	
6. Typical G/T at 20°EL	30.08dB/K (3.8GHz, 30K LNA)	37.56dB/K (12.5GHz, 70K LNA)	
7. Feed Interface	CPR-229	WR-75	
8. Feed Insertion Loss	0.2dB	0.25dB	
9. Tx to Rx Isolation	⩾85dB	⩾85dB	
10. Axial Ratio (dB)	0.75dB	1dB	
11. Cross Pol Isolation			
On Axis	≥30dB	≥30dB	⩾30dB
12. Sidelobes	CCIR.580-6	CCIR.580-6	CCIR.580-6

◆ MECHANICAL SPECIFICATION		◆ ENVIRONMENTAL SPECIFICATION	
1. Antenna Type	Dual-reflector	1. Wind Loading,Operational (Maintain Precision)	60mph(97km/h)
2. Drive Type	Motorized	2. Wind Loading,Operational (Decrease Precision)	65mph(105km/h)
3. AZ Travel	±90° (2 segments)	3. Wind Loading,Survival (Fixed Heavenward)	125mph(200km/h)
4. EL Travel	5° to 90°	4. Ambient Temperature	-40°C to 60°C
5. POL Travel	±90°	5. Rain	100mm/h
6. Reflector Material	Precision formed aluminum	6. Relative Humidity	0 to 100%
7. Reflector Segments	1	7. Solar Radiation	360 BTU/h/ft^2 (1000Kcal/h/m^2)
8. Mount Type	King post pedestal	8. Ice	
		9. Shock and Vibration	As encountered during shipment by commercial air, sea or truck
		10. Seismic (Survival)	