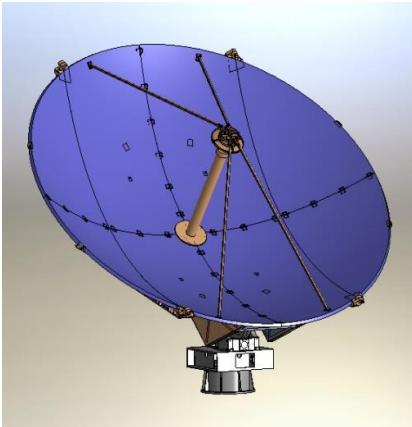


4.5m Foldable Carbon Fiber Vehicle-mounted Antenna



Features:

- Dual shape ring-focus design
- Carbon fiber reflector with high precision ▪
High gain and excellent sidelobe performance
- Well in anti-corrosion
- Excellent in stability

4.5m C/Ku-Band Foldable Carbon Fiber Vehicle-mounted Antenna Specifications

◆ R.F SPECIFICATIONS	C-Band		Ku-Band	
	RECEIVE	TRANSMIT	RECEIVE	TRANSMIT
1. Frequency (GHz)	3.625-4.2 3.4-4.2 ★	5.85-6.425 5.85-6.725 ★	12.25-12.75 10.95-12.75 ★	14-14.5 13.75-14.5 ★
2. Typical Gain (dBi)	43.51 at 3.8GHz	41.7 at 6.0GHz	53.53 at 12.5GHz	54.32 at 14.25GHz
3. VSWR	1.25:1	1.25:1	1.25:1	1.25:1
4. Beamwidth (-3dB)	1.097°	1.352°	0.346°	0.316°
5. Antenna Noise Temperature (K)	2Port Feed		2Port Feed	
10° Elevation	36K		45K	
20° Elevation	29K		40K	
40° Elevation	24K		36K	
6. Typical G/T at 20°EL	25.80dB/K (3.8GHz, 30K LNA)		33.12dB/K (12.5GHz, 70K LNA)	
7. Power Handling Capability		5KW/Port		1KW/Port
8. Feed Interface	CPR-229	CPR-137	WR-75	WR-75
9. Feed Insertion Loss	0.25dB	0.2dB	0.25dB	0.25dB
10. Rx to Tx Isolation	≥85dB		≥85dB	
11. Axial Ratio (dB)	1.5dB	1.0dB		
12. Cross Pol Isolation				
On Axis	≥35dB		≥35dB	
13. Sidelobes	CCIR.580-6		CCIR.580-6	