

# 1.8M C&KU Band Flyaway Antenna

- 1) 0.55/0.75/1.0/1.2/1.8
- 2) Material is mainly carbon fiber.
- 3) C-band and KU-band are available
- 4) Two air check box packaging

1.8m c band flyaway antenna

Antenna type	offset	
Gain	Tx	39.5 dBi
	Rx	35.5dBi
Operation frequency	Tx	5.85-6.65GHz
	Rx	3.4-4.26GHz
Slewing area	elevation	5-90°
	azimuth	360°
	polarization	±90°
Polarization	Linear	
<b>environmental</b>		
Humidity operational	≤95%(30° C)	
Wind load operational	11m/s	
Temperature operational	-45-60° C	

1.8m ku band flyaway antenna

Specifications	Ku-Receive	Ku-Transmit
Frequency (GHz)	12.25-12.75	14.0-14.5
Typical Gain(d B)	45.44	46.37
Beam width: -3dB	0.878°	0.789°
Feed Insertion Loss(d B)	0.25dB	0.25dB
VSWR	1.25:1	1.25:1
Tx-Rx Isolation	85dB	
Side Lobes	CCIR. 508-4	Side Lobes
Feed Insertion	WR-75	
Cross Polarization Isolation	Axis	≥35dB
	1dB Beam width	≥33dB
Power Handing Capability	1KW/Port	
<b>MECHANICAL SPECIFICATIONS</b>		
Surface Accuracy (R. M. S)	0.3mm	
Ambient Temperature	-30° ~ +60°	
Survival Wind Speed	125mi/h (200Km/h)	
Elevation travel	5° ~85°	
Azimuth Travel	0° ~360°	
Operational Wind Speed	45mi/h (72Km/h) gusts to 60mi/h (97Km/h)	
Relative Humidity	0%~100%	