RADITEK

SATCOM
C-Band Antenna
CARBON FIBER

Carbon fiber, Flyaway Antenna,
C-Band, 1.8m, Manual Alignment

RoHS COMPLIANT

Structural Characteristics

- 1.8m C-Band flyaway antenna system.
- High speed stow and deploy.
- Robust structure and light weight material.
- The reflector is composed of four or more panels that use fast-lock speed connection.
- Azimuth / Elevation adjustment can be locked.
- Elevation adjustment is by fast-tune and fine-tuning combined in one device to facilitate the operation.
- Designed to be easy to disassemble and assemble.
- All antenna parts/components packed in single box
- Short focus length, small size, light weight and high stability.
- Optional 2 or more box configurations are also available.
- Two person assembly in less than 10 minutes.
- The antenna case construction is high impact-resistant high molecular polymer material united injection molding, flat flexible foaming gasket, all hinge axis are stainless steel material.
- The antenna can be packed in one case or multi-case in according to request of the user.

Order Examples: RANT-C-CF-Flyaway-1.8m-manual-u11
Description: (*Flyaway Antenna, C-Band, Carbon Fiber, 1.8 Meters, Manual)*

Specifications		
Antenna Diameter	**1.8m**	
Operating Frequency Band	C	
	Tx	Rx
Frequency GHz	3.4-4.2	5.85-6.725
Galn(dbi)	35.88dB	39.2dB
VSWR	1.25:1	
Beamwldth (-3dB)	2.64°	1.8°
Feed Interface	CPR229	CPR137
Feed Insertion Loss	0.2dB	
Cross Polarization Isolation On Axis Within 1dB Beamwidth	 35 30	
Port to port Isolation Tx to Rx dB	≥85	
Sidelobes	CCIR580-4	
Materials of Reflectors	carbon fiber	
Antenna Weight	65kgs	
Package Size	The antenna can be packed in one case or multi-cases In according lo request of user, so the packing size will be confirmed after getting user's detailed request	

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Specifications	1.8m
Antenna Pointing Range	
Elevation	10°-95° (Continuous)
Azimuth	360° (Continuous)
Surface Accuracy (RMS)	≤0.5mm
Temperature	-45° ~ +60°C
Solar Radiation	1000kcal/hm2
Operational Wind Speed	40km/h No Ballasts/ Anchors, 72km/h with Ballasts
Survival Wind Speed	145km/h with Ballast/ Anchors

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