



0.9 m KU Band Manual Flyaway Antenna

Feature

AST 0.9m Ku band manual flyaway antenna system are designed to provide high speed stow and deploy through its simple and robust structure and light weight material.

The main supporting structure of the antenna is made of carbon fiber material. The whole antenna system is 90% carbon fiber. The material is more stable, lighter weight, higher strength and more convenient for portable use.

The antenna has the characteristics of high gain, low sidelobe, superior electrical performance and communication capability of not less than 40W.



Email: sales@allseeingtech.com

WEB: www.allseeingtech.com



Tel: (+86)29-8886-0263

Cell: (+86)177-2929-5262

RF PERFORMANCE SPECIFICATION		
Model		FA90-KU
Antenna Aperture		0.9m
		Ring Focus
Operation frequency	Tx	13.75-14.5GHz
	Rx	10.7-12.75GHz
Gain	Tx	40.3+20lg(f/14.25)dBi
	Rx	39.5+20lg(f/12.50)dBi
Polarization		Linear
VSWR		1.25:1
Feed Interface		WR75
Feed Insertion loss		0.2 dB
Port to port isolation		
Rx to Tx :dB		≥85dB (Input)
Tx to Rx :dB		≥40dB(≥ 40 dB(Amplifier output)
Sidelobes		-14 dB (first side lobe)
MECHANICAL SPECIFICATION		
Materials of Reflector		Carbon Fiber
Antenna Pointing Range		
Elevation		0°--90°(Continuous)
Azimuth		360°(Continuous)
Polarization		+/-90°
ENVIRONMENTAL SPECIFICATION		
Temperature		- 40℃--+60℃
Solar Radiation		Humidity requir1000kcal/hm²
Operational Wind Speed		11m/s with ballasts
Survival Wind Speed		18m/s with ballasts
Humidity requirement		Not more than 95%(20 ° C)
Protection Grade		IP65

Packing size and weight

Item	Packing Details	Packing Size (mm)	Net Weight	Packing Weight
1	Black backpack	≤ 680×470×550	≤ 11	≤ 16
2	Wood case	≤ 730×520×620	≤ 16	≤ 36

Packing list

Item	Packing Material	Part Name	Qty	Remark
1	Backpack	Antenna support	1 set	≤ 16
2		Antenna adjustment assembly	1 set	Without BUC, LNB
3		Reflector	7 pcs	
4		Feed	1 set	Sub-reflector included
5		Ground nail	3	