



**4.3m C/KU Band Rx Only Antenna**

## Feature

- \* Meets or exceeds CCIR. 580-6 requirements
- \* High G/T, excellent pattern characteristics
- \* Self-aligning aluminum reflector, no field alignment
- \* Fashionable design, easy installation and adjustment
- \* Aluminum reflector with high precision
- \* No Field alignment required
- \* Factory king post pedestal assembled to reduce installation time
- \* Air or ocean transport packing



Email: [sales@allseeingtech.com](mailto:sales@allseeingtech.com)  
WEB: [www.allseeingtech.com](http://www.allseeingtech.com)



Tel: (+86)29-8886-0263  
Cell: (+86)177-2929-5262

**ELECTRICAL SPECIFICATION**

Type	FS430-ECRx	FS430-KURx
Operating Frequency, GHz	C-Band Receive 3.625 ~ 4.2 (* 3.4~4.2)	Ku-Band Receive 12.25 ~ 12.75 (* 10.95~12.75)
Gain, Mid-band, dBi	43.12 at 3.8GHz	53.14 at 12.5GHz
VSWR	1.25	1.3
Antenna Noise Temperature	½ port feed	½ port feed
10° Elevation	35°K	41°K
20° Elevation	33°K	36°K
40° Elevation	26°K	32°K
-3dB Beam Width, Mid-band	1.148°	0.362°
Typical G/T at 20° EL	25.34dB/K(3.8GHz, 30K LNA)	32.88dB/K(12.5GHz, 70K LNA)
Feed Interface	CPR-229G	WR-75
Feed Insertion Loss,dB	0.2	0.25
Axial Ratio,dB	0.75	1
Cross Pol Isolation On Axis	≥30dB	≥30dB
First Sidelobe 90% Peaks under Following Envelop	Meet with CCIR. 580-6	

**MECHANICAL SPECIFICATION**

Antenna Diameter	4.3m
Antenna Type	Prime-Focus
Drive Mode	Manual / Motorized
Antenna Pointing Range	0°~360 °(Continuous) / ±85°(2 segments)
Azimuth	5° ~ 90°(Continuous)
Elevation	±90°(Continuous)
Polarization	
Reflector Material	Precision formed aluminum
Reflector Segments	16
Mount Type	King post pedestal

**ENVIRONMENTAL SPECIFICATION**

Operational Wind	72km/h Gusting to 97km/h
Survival Wind	200km/h
Temperature	-40°C ~ + 60°C
Relative Humidity	100%
Solar Radiation	1000Kcal/ h/ m <sup>2</sup>
Seismic (Survival)	0.3g (H), 0.15g (V)
Ice Loading	13mm Operational; 25mm Survival
Seismic (Survival)	0.3G's horizontal, 0.15G's vertical

\* Products can be customized. Other frequency range needed can be customized.

Please refer to our company for details. Our company reserves the right of final interpretation. Any design and specifications are subject to change without notice.