



2.2m C/KU Band Rx Only Antenna

Feature

- * Meets or exceeds ITU-RS 580-5 and INTELSAT requirements
- * High G/T, excellent pattern characteristics
- * Aluminum reflector with high precision
- * Fashionable design, easy installation and adjustment
- * Factory feed system testing
- * Factory king post pedestal assembled to reduce installation time
- * Excellent in stability



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ELECTRICAL SPECIFICATION

Type	FS220-SC C-Band	FS220-KU Ku-Band
Operating Frequency, GHz	Receive 3.4 ~ 4.2	Receive 12.25~12.75
Typical Gain(dBi)	37.30 at 3.8GHz	47.32 at 12.5GHz
Axial Ratio (dB)	0.75	1
VSWR	1.3:1	
Antenna Noise Temperature		
10° Elevation	37°K	42°K
20° Elevation	32°K	37°K
40° Elevation	28°K	33°K
-3dB Beam Width, Mid-band	2.243°	0.708°
Typical G/T (at EI=20°)	19.37dB/K (3.8GHz, 30K LNA)	27.02dB/K (12.5GHz, 70K LNA)
Feed Interface	CPR-229	WR-75
Feed Insertion Loss	0.15dB	0.2dB
Cross Pol Isolation On Axis	≥30dB	
Sidelobe	CCIR.580-6	

MECHANICAL SPECIFICATION

Antenna Diameter	2.2 m
Antenna Type	Prime Focus
Mount Type	Pole Mount.
Reflector Material	Precision formed aluminum
Antenna Pointing Range	
Azimuth	0° ~ 360Continuous)
Elevation	5° ~ 90°(Continuous)
Polarization	±90 °(°(Continuous)
Drive Mode	Manual

ENVIRONMENTAL SPECIFICATION

Operational Wind	72km/h Gusting to 97km/h
Survival Wind	200km/h
Rain	0 to 100mm/h
Temperature	-40°C ~ + 60°C
Relative Humidity	100%
Solar Radiation	1000Kcal/ h/ m2
Seismic (Survival)	0.3g (H), 0.15g (V)
Shock and Vibration	As encountered during shipment by commercial air, sea or truck
Seismic (Survival)	0.3G's horizontal, 0.15G's vertical
Ice Loading	13mm Operational; 25mm Survival