

RADITEK

SATCOM

C & Ku Band Antenna

C-Band & Ku Band

Earth Station Antenna, 6.2 Meters, Motorized



Electrical Specification				
Diameter	6.2m			
Operating Frequency, GHz	C-Band		Ku-Band	
	Receive	Transmit	Receive	Transmit
	3.625 ~ 4.2	5.85 ~ 6.425	10.95 ~ 12.75	13.75 ~ 14.5
Gain, Mid-band, dBi	46.43	50.0	56.18	57.11
Polarization	Linear/ Circular		Linear	
XPD (on Axis), dB	35	35	35	35
XPD across 1dB Beam Width, dB	33	33	33	33
Axial Ratio (dB)	1.30/1.06	1.09/1.06		
VSWR	1.25	1.25	1.25	1.25
Antenna Noise Temperature, 2-port feed				
10° Elevation	35°K		63°K	
20° Elevation	26°K		51°K	
40° Elevation	24°K		49°K	
-3dB Beam Width	0.78°	0.52°	0.255°	0.23°
Tx. Power Capability, KW		5		2
Feed Interface	CPR-229G	CPR-137G	WR-75	WR-75
Feed Insertion Loss, dB	0.25	0.2	0.25	0.25
Isolation, Tx to Rx, dB	85			
Radiation Pattern:First Sidelobe	≤-14, Meet CCIR 580-4			
Mechanical Specification				
Antenna Type	Ring Focus Antenna			
Antenna Pedestal Type	Kingpost Pedestal			
Azimuth	± 85°			
Elevation	0° ~ 90°			
Finishes:				
Reflector Surface	Aluminum panels with high-diffusing white paint			
Pedestal & Back Structure	Hot-dipped Galvanized zinc			
Environmental Specification				
Operational Wind	72km/h Gusting to 97km/h			
Survival Wind	200km/h			
Temperature	- 45°C ~ + 60°C			
Relative Humidity	100%			
Solar Radiation	1135Kcal/ h/ m ²			
Seismic (Survival)	0.3g (H), 0.15g (V)			