

6.2m Earth Station Antenna



SilverSatcom 6.2m antenna exceptional performance makes it an excellent choice for all applications. incorporates stretch - formed doubly contoured panels with matched radials and hub for ease of field alignment provide an accurate surface contour, and extraordinary gain . The standard designed azimuth over elevation pedestal provides a cost-effective solution for high stiffness and stability, full orbital arc coverage and fine drive performance, and ensures the pointing accuracy. It is widely and ideally used for Broadcasters, Service Providers, GSM operator, Satellite operator, Military and Government Agencies, FreeLands or Rescue organizations

Features :

- Outstanding RF Performance
- Galvanized stainless steel construction
- Meets CCIR 580 and INTELSAT Requirements
- C,Ku,X,Ka frequencies ranges are available
- CP/LP Switchable feed
- Fixed or motorized option
- Reflector Deicing available

Electrical Specification				
Type	SSA62C		SSA62Ku	
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	55.72	57.04
Polarization	Linear/Circular		Linear	
XPD(on Axis), dB	35	35	35	35
XPD across 1dB Beam Width, dB	33	33	33	33
Axial Ratio (Circular-Polarized)	2-Port Feed	1.30	1.09	
	4-Port Feed	1.06	1.06	
VSWR	1.25	1.25	1.25	1.25
Antenna Noise Temperature 2-port feed				
10° Elevation	35K		50K	
30° Elevation	25K		39K	
50° Elevation	22K		36K	
-3 dB Beam Width, Mid-band	0.78°	0.52°	0.27°	0.23°
Typical G/T (EL>10°, 2-port)	28.4dB/K (30° LNA)		35.2dB/K (70° LNA)	
Tx. Power Capability, KW		5		2
Feed Interface	CPR—229F	CPR—137F	WR-75	WR-75
Feed Insertion Loss, dB	0.2	0.2	0.25	0.25
Isolation, Tx to Rx, dB	85		85	
Rx/Rx,Tx/Tx Linear,dB	30		30	
Rx/Rx,Tx/Tx Circular,dB	20		20	
Side lobes	CCIR 580-4			
Mechanical Specification				
Antenna Diameter	6.2m			
Antenna Type	Ring Focus			
Surface Accuracy(RMS)	≤0.35mm			
Antenna Pointing Range	Azimuth	±85°		
	Elevation	0°~90°(Continuous)		
	Polarization	±90°(Continuous)		
Drive Mode	Manual or Motorized			
Motor Drive System	Azimuth Travel Rate	0.1°/S(0.02°/S)		
	Elevation Travel Rate	0.1°/S(0.02°/S)		
	Polarization	1°/S		
Environmental Specification				
Operational Wind	72km/h gusting to 97km/h			
Survival Wind	216km/h			
Temperature	-40°~+60°			
Relative Humidity	100%			
Solar Radiation	1135Kcal/h/m ²			
Ice Loading	13mm Operational; 30mm Survival			