

GS4.5m Rx antenna

Key Features

- * Meets CCIR 580-5 and INTELSAT Requirements
- * High G/T, Excellent Pattern Characteristics
- * Hot-dipped Galvanized Steel Ground Mount Assembly
- * Stretch Formed Aluminum Reflector with High Precision.
- * C-band/ku-band/ka-band/S-band/L-band frequency
- * High Erosion Resistance
- * Foundation Hardware Kit included
- * Ocean or Air Transport Packing
- * Excellent in Stability
- * Survives 125 mph Winds

Antenna accessories

- * Motorized kits
- * Single/Dual Polarization as option
- * Linear Polarization or Circular Polarization to C band
- * Factory Feed System Testing and Documentation
- * Grounding kit
- * Lightning Rod Kit
- * Cable-Mounting Kit
- * Major Subsystem Spare Part Kits
- * Anti-icing and Deicing

GLOBAL STAR SATELLITE ANTENNA CO;LTD

No 9 th floor, Time center building, Zhong shan Road, Wuxi, Jiangsu,PR. China
Tel :+86-510-85040609 Fax:+86-510-85034110 Email:sales@gsantenna.com

ELECTRICAL SPECIFICATION

ANTENNA	C-BAND	Ku-BAND	
Frequency	3.4-4.2GHz	10.95-12.75 GHz	
VSWR	1.3:1		
Insertion Loss	0.25dB	0.3dB	
Isolation	35dB		
Feed Interface	WR229	WR75	
3dB Beamwidth	1.137°	0.381°	
Sidelobe Level	D/λ≤100	52-10lg(D/λ)-25lgθ 10-10lg(D/λ)	100λ/D≤θ≤48° θ>48°
	D/λ≥150	29-25lgθ 32-25lgθ -10	1°≤θ≤20° 20°<θ≤48° θ>48°
	First Sidelobe	≤-14dB	
	Gain	43.19dB (F=3.8 GHz)	52.69dB (F=11.8 GHz)
Noise Temperature	35°K@10°		52°K@10°

MECHANICAL SPECIFICATION

Antenna Optics	Feed-backward antenna	
Elevation Adjustment	0°to 90°Continuous Fine Adjustment	
Azimuth Adjustment	manual	0°to 360°Continuous Fine Adjustment
	motorization	±85° Continuous Adjustment (Into three sections)

ENVIRONMENTAL SPECIFICATION

Wind Loading	45mph	72kmph	operational (Maintain Precision)
	60mph	97kmph	operational (Decrease Precision)
	125mph	200kmph	Survival (Fixed Heavenward)
Temperature	-45°~50°C		
Relative Humidity	0%~100%		
Seismic (survival)	0.3G's horizontal 0.15 G's vertical		

GLOBAL STAR SATELLITE ANTENNA CO;LTD

No 9 th floor, Time center building, Zhong shan Road, Wuxi, Jiangsu,PR. China
 Tel :+86-510-85040609 Fax:+86-510-85034110 Email:sales@gsantenna.com