

GS7.3m Rx antenna

Key Features

- * Meets CCIR 580-5 and INTELSAT Requirements
- * Dual Reflector
- * 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
- * 2 port or 4 port available as option
- * 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

ELECTRICAL SPECIFICATION

ANTENNA	C-BAND	Ku-BAND	
Frequency	3.4-4.2GHz	10.95-12.75 GHz	
VSWR	1.25:1	1.3:1	
Insertion Loss	0.25dB	0.3dB	
Isolation	35dB	35dB	
Feed Interface	WR229	WR75	
3dB Beamwidth	0.701°	0.235°	
Sidelobe Level	D/λ ≥ 150	29-25 lgθ 32-25lgθ -10	1° ≤ θ ≤ 20° 20° < θ ≤ 48° θ > 48°
	100 < D/λ < 150	29-25 lgθ 8 32-25lgθ -10	1° ≤ θ ≤ 7° 7° < θ ≤ 9.2° 9.2° < θ ≤ 48° θ > 48°
	D/λ ≤ 100	52-10lg(D/λ)-25lgθ 10-10lg(D/λ)	100λ/D ≤ θ ≤ 48° θ > 48°
	First Sidelobe	≤ -14dB	
Gain	47.40dB (F=3.8 GHz)	56.89dB (F=11.8 GHz)	
Noise Temperature	43°K@10°	64°K@10°	

MECHANICAL SPECIFICATION

Antenna Optics	Feed-backward antenna
Elevation Adjustment	0° to 90° Continuous Fine Adjustment
Azimuth Adjustment	±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		