

## GS 1.8m off-set 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

### 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/F	WR75/F
3dB Beamwidth	2.96°	0.99°
Sidelobe Level	52-10lg(D/λ)-25lgθ 10-10lg(D/λ)	100λ/D≤θ≤48° θ>48°
First Sidelobe	≤-14dB	
Gain	34.89 dB (F=3.8GHz)	44.35dB (F=11.8 GHz)
Noise Temperature	38°K@10°	43°K@10°

### MECHANICAL SPECIFICATION

Antenna Optics	Feed-forward antenna
Elevation Adjustment	0°to 90°Continuous Fine Adjustment
Azimuth Adjustment	0°to 360°Continuous Fine Adjustment

### 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		

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