

## 7.3M Tvro Antenna

- 1) Dual reflectors
- 2) Stretch formed aluminum major reflector with high precision
- 3) Both available are C-Band ,Ku-Band, S- Band and L-Band
- 4) Strong in anti-corrosion
- 5) Survives 125 mph winds
- 6) Customized product
- 7) Both available are linear polarization and circular polarization
- 8) No field alignment required
- 9) Factories the the kingpost prdestal and feed system assembly, in order to reduce installation time

Tvro Antenna	7.3 meter Tvro antenna	
	C-BAND	Ku-BAND
Frequency	3.4-4.2GHz	10.95-12.75GHz
VSWR	1.25:1	1.3:1
Insertion Loss	0.25dB	0.3dB
Isolation	35dB	
Gain	47.40dB(F=3.8GHz)	56.89dB(F=11.8GHz)
Noise Temperature	43°K@10°	64°K@10°
Sidelobe Level	32-25lgθ	29-25lgθ
	1°≤θ≤ 20°	1°≤θ≤ 20°
First Sidelobe	≤-14dB	
Feed Interface	WR229	WR75
-3dB Beamwidth	0.701°	0.235°
Environmental		
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)	0.3Gs horizontal 0.15 Gs vertical	
Mechanical		
Antenna Optics	Dual reflector antenna	
Elevation Adjustment	0°to 90°Continuous Fine Adjustment	
Azimuth Adjustment	±85° Continuous Adjustment(detach into three grade)	