

# 4.5M Tvro Antenna

- (1) Double reflectors
- (2) You may choose motorized or manual
- (3) Precision stretch formed aluminum reflector
- (4) You may choose single or dual port
- (5) Excellent in anti-corrosion
- (6) You may choose C-Band or Ku-Band
- (7) You may choose linear polarization or circular polarization
- (8) Maximum wind 125 mph
- (9) Custom tailor product

Tvro Antenna	4.5m Tvro antenna	
	C-BAND	Ku-BAND
Frequency	3.4-4.2GHz	10.95-12.75GHz
Insertion Loss	0.25dB	0.3dB
VSWR	1.25:1	1.3:1
First Sidelobe	≤-14dB	
Gain	43.19dB(F=3.8GHz)	52.69dB(F=11.8GHz)
Noise Temperature	35°K@10°	52°K@10°
Isolation	35dB	
Sidelobe Level	32-25lgθ	32-25lgθ
	1°≤θ≤ 20°	1°≤θ≤ 20°
-3dB Beamwidth	1.137°	0.381°
Feed Interface	WR229	WR75
Mechanical		
Antenna Optics	Dual reflector antenna	
Azimuth Adjustment	manual 0°to 360°Continuous Fine Adjustment	
	motorized ±85° Continuous Adjustment(detach into three grade)	
Azimuth Adjustment	manual 0°to 360°Continuous Fine Adjustment	
Environmental		
Seismic(survival)	0.3Gs horizontal 0.15 Gs vertical	
Wind Loading	45mph 72kmph operational (Maintain Precision)	
	60mph 97kmph operational (Decrease Precision)	
	125mph 200kmph Survival (Fixed Heavenward)	
Relative Humidity	0%~100%	
Temperature	-45~50°C	