4.3 Meter TVRO ANTENNA

- Both linear polarization and circular polarization are available.
- The major stretch-forming aluminum reflector of our 4.3m TVRO antenna is of high precision.
- Single polarization and dual polarization are available.
- It has a modern design, good anti-corrosive property and excellent stability.
- Bands available are C-Band and Ku-Band.
- Feed source system and some component parts are installed in the factory to reduce installation time. There is no need for on-site precision adjustment.
- Manual TVRO antennas and motorized TVRO antennas are available options.

ELECTRICAL SPECIFICATION

Antenna	C-BAND	Ku-BAND
Frequency	3.62-4.2GHz	10.95-12.75GHz
VSWR	1.3:1	
Insertion Loss	0.25dB	0.3dB
Isolation	35dB	
-3dB Beamwidth	1.24°	0.417°
Feed Interface	WR229	WR75
Sidelobe Level	32-25lgθ 1°≤θ≤ 20°	29-25lgθ 1°≤θ≤ 20°
Gain	42.45dB	51.92dB
First Sidelobe	≤-14dB	
Noise Temperature	36°K@10°	52°K@10°

MECHANICAL SPECIFICATION

Azimuth Adjustment	0°to 360°(continuous)
Antenna Optics	Prime-focus antenna
Elevation Adjustment	0°to 90° (continuous)
Relative Humidity	100%
Temperature	-45°C ~50°C
Wind Loading	Operational: 45mph 72kmph 60mph 97kmph Survival : 125mph 200kmph
Seismic(survival)	0.3G's horizontal 0.15 G's vertical

Antesky Science Technology Inc.

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