



4.5 Meter C-Band TX/RX Antenna

VS-450TX



- **Fast Two Man Installation**
- **Tripod & Pier Mounts**
- **TX C-Band Linear or Circular Frequencies**

Antenna Size	4.5 Meter
Electrical Specifications	C-BAND
Operation Frequencies	3.7 – 4.2 GHz 5.925 – 6.425 GHz
Gain at Midband (Reference to OMT Port)	43.6 dBi minimum @ 4.0 GHz 46.7 dBi minimum @ 6.175 GHz
VSWR	1.3:1 maximum
Polarization	Dual (Linear or Circular)
Polarization Adjustment	360° Continuous (Manually) 300° Continuous (Motorized)
Cross-Pol Isolation Suppresion	35 dB (on-axis)
Isolation (Port to Port)	35 dB minimum
3 dB Bandwith (Nominal)	1.1° @ 4.0 GHz 0.76° @ 6.175 GHz
First Sidelobe Level	-22.dB
Envelope (Where 0 is angle off axis)	29-25 log 0 dBi 1° <0 <7° +8 dBi 7° <0 <9.2° 32.25 log 0 dBi 9.2 <0 <48° -10 dBi 48° <0 <180°
Antenna Noise Temperature	@ 4.0GHz Elevation Temp 40° 22K

Mechanical Specifications

Reflector Construction	12 Panels, Precision Stretch Stamped Steel
Mount Type	Elevation over Azimuth
Azimuth Travel Sector	360° degrees (Manually) 120° degrees (Motorized)
Elevation Travel Sector	0-90° degrees continuous