



## TA-926VH-4-120 Dual Polarized Sector 902-928 MHz



The TA-926VH-4-120 is a dual polarized 120 degree sectoral antenna. The antenna incorporates separate vertically and horizontally polarized sections which can be used separately or simultaneously dependent upon transceiver characteristics. It consists of a broadband dipole array on an aluminum base with a UV stabilized ASA radome for superior weatherability. The antenna is at DC ground to aid in lightning protection.

### Electrical Specifications

**Frequency Range:** 902-928 MHz  
**Gain:** 2 x 9 dBd co-polarized  
**VSWR:** 1.5:1 max.  
**Front to Back Ratio:** Vpol:20 dB min./Hpol:19 dB min.  
**Polarization:** Dual Vpol & Hpol  
**Power Rating:** 200 Watts  
**Azimuth Beamwidth:** Vpol: 120° / Hpol: 115°  
**Elevation Beamwidth:** Vpol: 17° / Hpol: 19°  
**Cross Pol. Discrimination:** 20 dB min.  
**Electrical Downtilt:** 0°  
**Port to Port Isolation:** 30 dB typ.  
**Impedance:** 50 ohms nominal  
**Termination:** 2 x N female

Typical mid band values. (For details , contact factory)

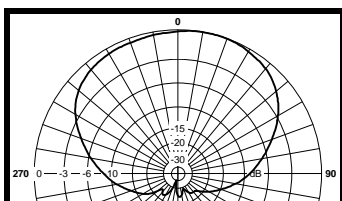
### Mechanical Specifications

**Length:** 48 in. (1220 mm)  
**Width:** 21 in. (533.4 mm)  
**Depth:** 8 in. (203 mm)  
**Weight (incl. Clamps):** 29 lb. (13.2 kg)  
**Rated Wind Velocity:** 125 mph (200 km/h)  
**Hor. Thrust at rated wind:** 438 lb (198.7 kg)  
**Mechanical Tilt:** 0 - 13 degrees  
**Mounting (O.D.):** 1.75 - 4.0 in. (44.5 - 102 mm)

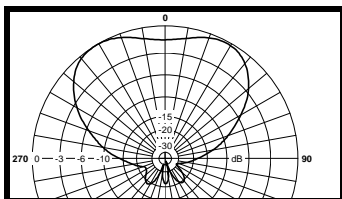
### Materials

**Radiating Elements:** Plated copper on PCB  
**Reflector:** Irridited aluminum  
**Radome:** Gray UV stabilized ASA  
**Clamps:** EDZ steel

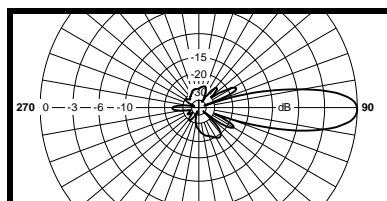
Vpol Azimuth



Hpol Azimuth



Vpol Elevation



Hpol Elevation

