



# TA-2304-2 Adjustable Sector

## 2300-2500 MHz



The TA-2304-2 is a vertically polarized sectoral antenna which has adjustable side panels for 60, 90, 120, and 160 degrees azimuth patterns. The antenna consists of a printed dipole array enclosed in an aluminum base with a UV stabilized radome for superior weatherability. The antenna is at DC ground to aid in lightning protection.

### Electrical Specifications

- Frequency Range:** 2300-2500 MHz
- Gain:** 17.5 dBi @ 60°, 15.5 dBi @ 90°  
14.5 dBi @ 120°, 13 dBi @ 160°
- VSWR:** 1.5:1
- Front to Back Ratio:** 20 dB min.
- Polarization:** Vertical
- Power Rating:** 100 Watts
- H-Plane Beamwidth:** 60, 90, 120, 160 degrees
- E-Plane Beamwidth:** 7.2 degrees
- Electrical Downtilt:** 0, 2 degrees
- Cross Pol. Discrimination:** 20 dB min.
- Impedance:** 50 ohms nominal
- Termination:** N female (7/16 DIN optional)

Typical mid band values. (For details, contact factory)  
Specifications subject to change without notice

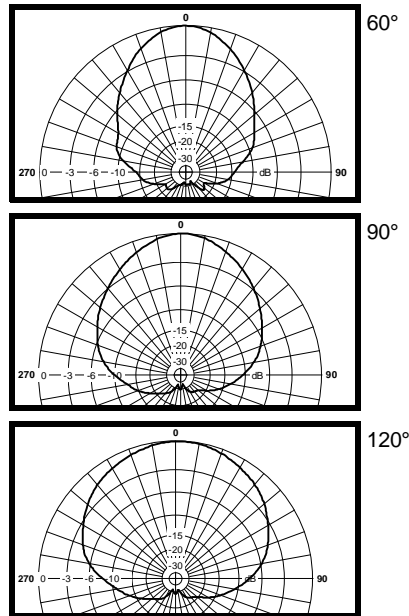
### Mechanical Specifications

- Length:** 40 in. (1016 mm)
- Width:** 4.9 in. (124 mm)
- Depth:** 4.6 in. (117 mm)
- Weight (incl. Clamps):** 8 lb. (3.6 kg)
- Rated Wind Velocity:** 125 mph (200 km/h)
- Hor. Thrust at rated wind:** 86 lb. (39 kg)
- Mechanical Tilt:** 0 - 20 degrees
- Mounting (O.D.):** 0.75 - 3.0 in. (19 - 76 mm)

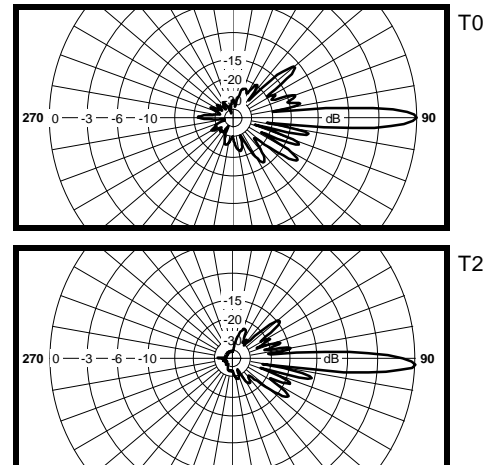
### Materials

- Radiating Elements:** Plated Copper on PCB
- Reflector:** Irridated aluminum
- Radome:** Gray UV stabilized ASA
- Clamps:** Aluminum and HDG steel

H-Plane

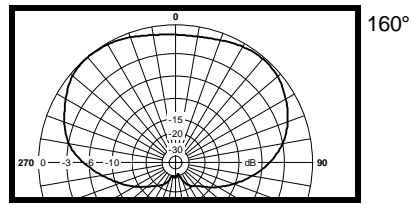


E-Plane





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