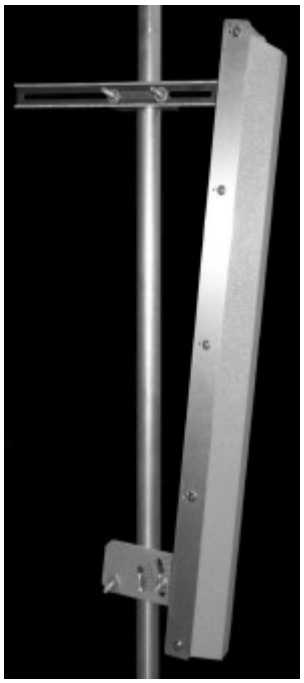
TA-2504-8 Adjustable Sector

2500-2700 MHz



The TA-2504-8 is a medium-gain vertically polarized sectoral antenna which has adjustable side panels to provide a 60 or a 90 degree azimuth pattern. 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: 2500-2700 MHz
Gain: 16.5 dBi @ 60°, 15.5 dBi @ 90°
VSWR: 1.5:1 max.
Front to Back Ratio: 20 dB
Polarization: Vertical
Power Rating: 25 Watts
H-Plane Beamwidth: 60, 90 degrees
E-Plane Beamwidth: 8 degrees
Electrical Downtilt: 0, 2 degrees
Cross Pol. Discrimination: 18 dB (azimuth)
Impedance: 50 ohms nominal
Termination: N female (7/16 optional)

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

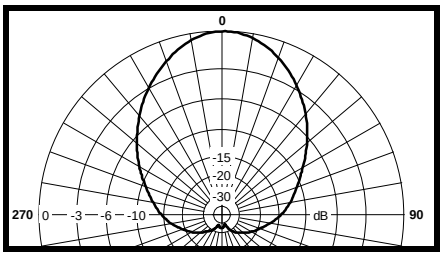
Mechanical Specifications

Length: 39.4 in. (1000mm)
Width: 5.1 in. (129.5 mm)
Depth: 3.75 in. (95.25 mm)
Weight (incl. Clamps): 9 lb. (4 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 87 lb. (39.5 kg)
Mechanical Tilt: 0 - 10 degrees
Mounting (O.D.): 0.75 - 3.0 in. (19 - 76 mm)

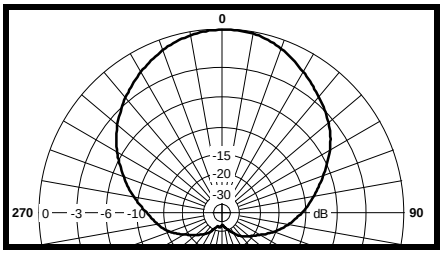
Materials

Radiating Elements: Plated copper on PCB
Reflector: Irridited aluminum
Radome: Gray UV stabilized ASA
Clamps: Aluminum, EDZ Steel (HDG Steel Opt)

H-Plane

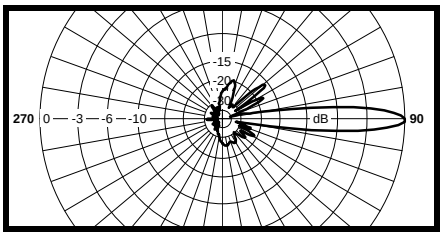


60°



90°

E-Plane



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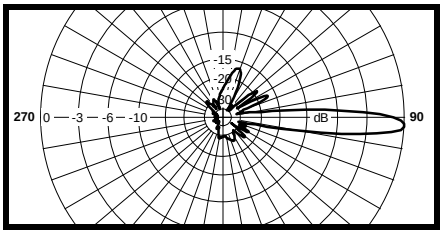

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