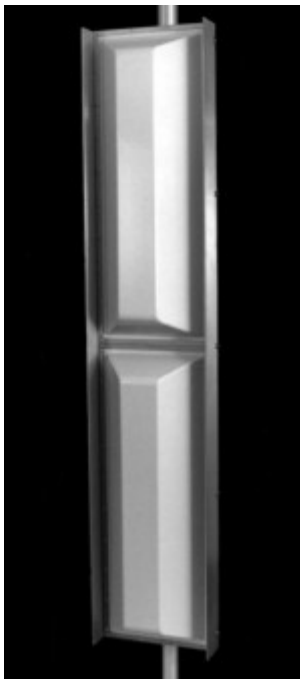
TA-817 Adjustable Sector

806-866, 824-896, 890-960 MHz



The TA-817 adjustable sector is a broadband dipole array enclosed in an aluminum base and has an ASA UV stabilized radome for superior performance and weatherability. Low side lobes, an adjustable azimuth pattern and up to 8 degrees of mechanical downtilt make this a remarkably versatile antenna.

Electrical Specifications

Frequency Range: 806-866, 824-896, 890-960 MHz
Gain: 14.5 dBd @ 60°, 13 dBd @ 90°
12.75 dBd @ 105°, 12.5 dBd @ 120°
VSWR: 1.5:1 max. 1.35:1 typical
Front to Back Ratio: 25 dB min. 30 dB typical
Polarization: Vertical
Power Rating: 500 Watts
H-Plane Beamwidth: 60, 90, 105, 120 degrees
E-Plane Beamwidth: 10 degrees
Electrical Downtilt: 0, 5 degrees
Cross Pol. Discrimination: 25 dB min.
Impedance: 50 ohms nominal
Termination: N female (7/16 optional)

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

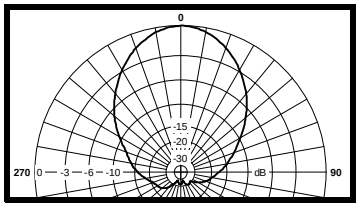
Mechanical Specifications

Length: 76 in. (1930 mm)
Width: 13 in. (330 mm)
Depth: 8 in. (203 mm)
Weight (incl. Clamps): 45 lb. (20.5 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 429 lb. (195 kg)
Mechanical Tilt: 0 - 8 degrees
Mounting (O.D.): 1.75 - 4.5 in. (44.5 - 114 mm)

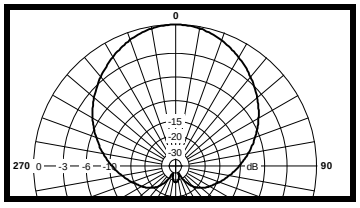
Materials

Radiating Elements: Irridited aluminum
Reflector: Irridited aluminum
Radome: Gray UV stabilized ASA
Clamps: HDG steel

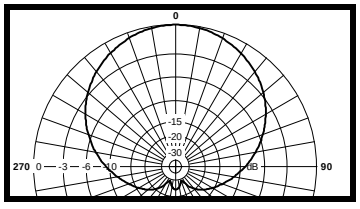
H-Plane



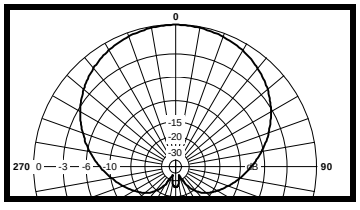
60°



90°

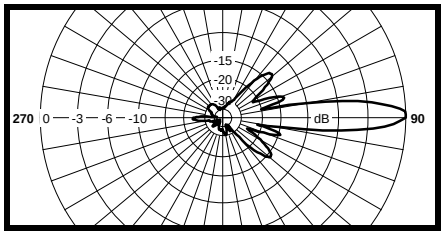


105°



120°

E-Plane



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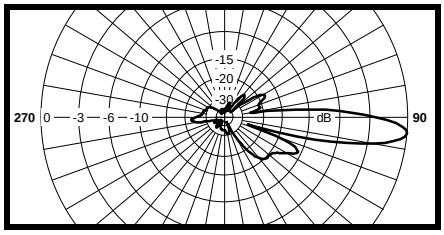

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