



TA-811 Adjustable Sector

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



The TA-811 adjustable sector is a high gain broadband dipole array enclosed in an aluminum base and has an ASA UV stabilized radome for superior performance and weatherability. Extremely low side lobes, an adjustable azimuth pattern and up to 6 degrees of mechanical downtilt make this a remarkably versatile antenna.

Electrical Specifications

Frequency Range: 806-896, 824-896, 890-960 MHz
Gain: 15.5 dBd @ 60°, 14 dBd @ 90°
 13.75 dBd @ 105°, 13.5 dBd @ 120°
VSWR: 1.5:1 max. 1.35:1 typ.
Front to Back Ratio: 25 dB min. 30 dB typ.
Polarization: Vertical
Power Rating: 500 Watts
H-Plane Beamwidth: 60, 90, 105, 120 degrees
E-Plane Beamwidth: 8.5 degrees
Electrical Downtilt: 0°, 2°, 4°, 5°, 6°, 10°, 13°, 15°
Cross Pol. Discrimination: 20 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

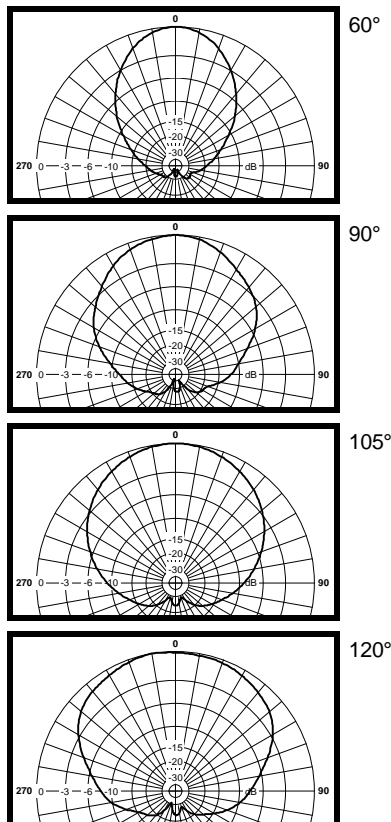
Mechanical Specifications

Length: 96 in. (2438 mm)
Width: 13 in. (330 mm)
Depth: 8.0 in. (203 mm)
Weight (incl. Clamps): 62 lb. (28 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 538 lb. (244 kg)
Mechanical Tilt: 0 - 6 degrees
Mounting (O.D.): 1.75 - 4.5 in. (44.5 - 114 mm)

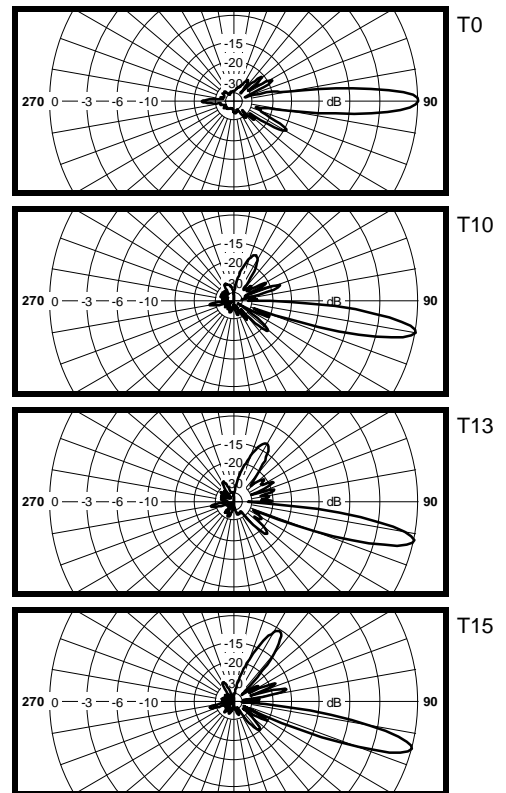
Materials

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

H-Plane



E-Plane



Rev. 1.7

2005-02-15

500 Van Buren Street
 P.O. Box 550
 Kemptville, ON K0G 1J0
 Canada



ISO 9001:2000
 CGSB Registered
 Certificate 961004

T: 613-258-5928
 T: 877-ANTENNA
 F: 613-258-7418
 www.tiltek.com