KAVVERI TELECOM PRODUCTS LIMITED

TIL-TEK

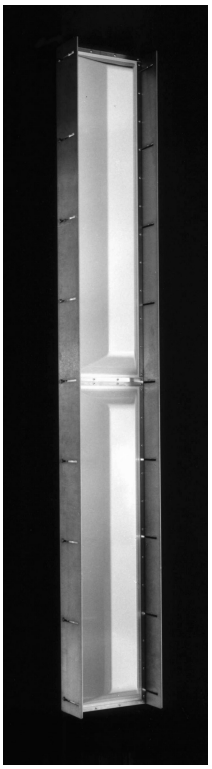
TA-811 Adjustable

Sector

Details

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

Freq Range:	806-896, 824-896, 890-960 MHz
Gain:	15.5 dBd @ 60°, 14 dBd @ 90°
Gain Multiple:	13.75 dBd @ 105°, 13.5 dBd @ 120°
VSWR:	1.5:1 max. 1.35:1 typ.
Front Back:	25 dB min. 30 dB typ.
Pol:	Vertical
Power:	500 Watts
H Plane BW:	60, 90, 105, 120 degrees
E Plane BW:	8.5 degrees
Electrical Downtilt:	0°, 2°, 4°, 5°, 6°, 8°, 10°, 11°, 13°, 15°
X Pol:	20 dB min.
Imp:	50 ohms nominal
Termination:	N female (7/16 optional)

Mechanical Specifications

Length:	96 in. (2438 mm)
Width:	13 in. (330 mm)
Depth:	8.0 in. (203 mm)
Weight:	62 lb. (28 kg)
Rated Wind Vel:	125 mph (200 km/h)
Hor Thrust:	538 lb. (244 kg)
Mech tilt:	0 - 6 degrees
Mounting Pipe:	1.75 - 4.5 in. (44.5 - 114 mm)

Material Specifications

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

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

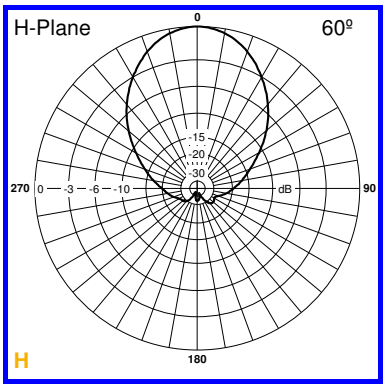
KAVVERI TELECOM PRODUCTS LIMITED

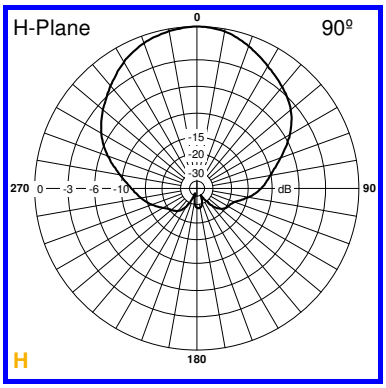
TIL-TEK

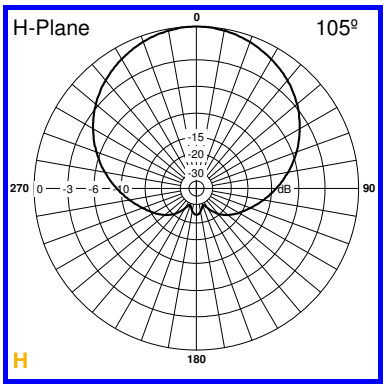
TA-811 Adjustable

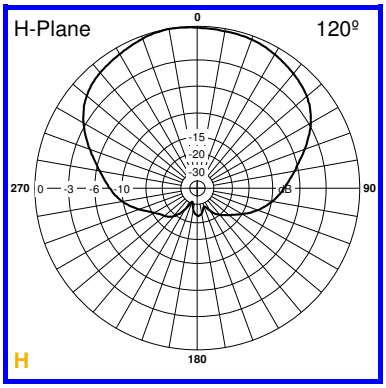
Sector

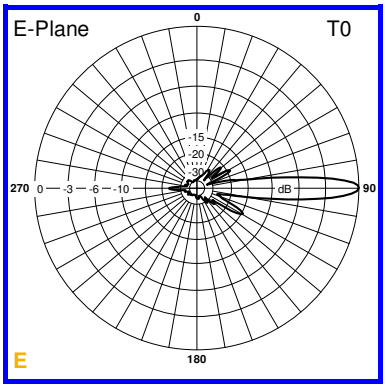
Antenna Patterns

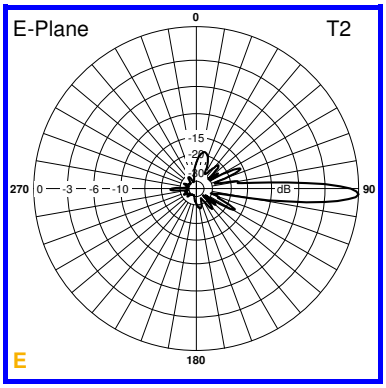


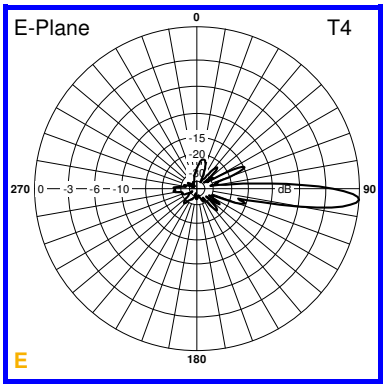


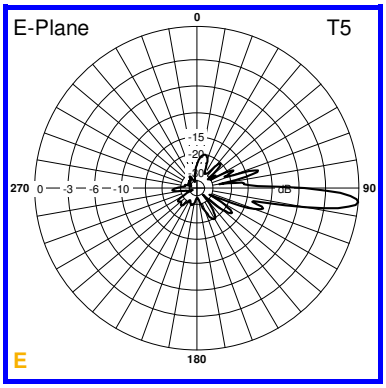


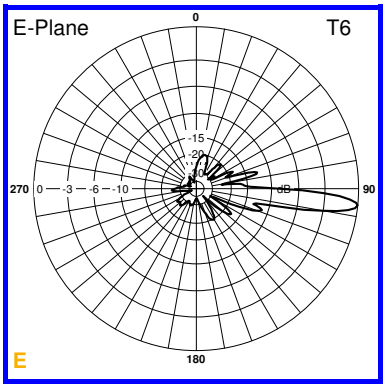


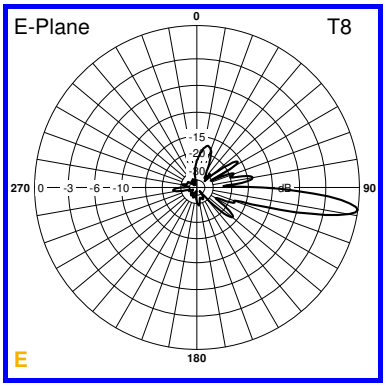


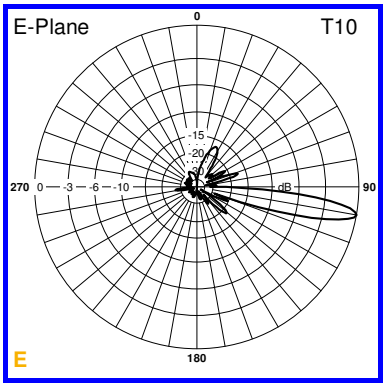


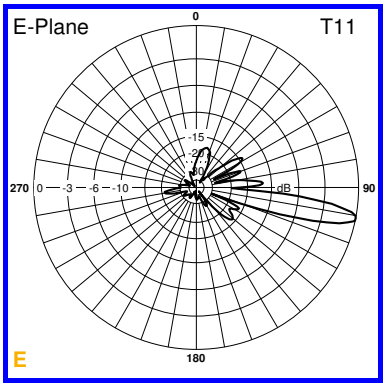








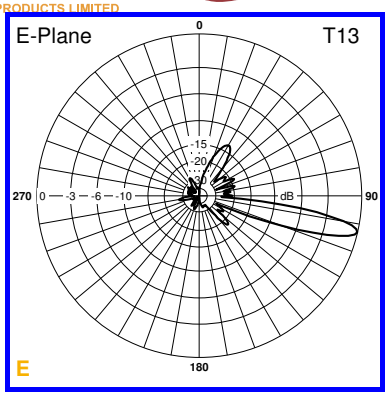


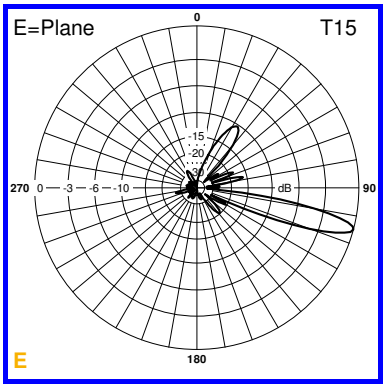


500 Van Buren Street
P.O. Box 550
Kemptville, ON K0G 1J0
Canada

ISO 9001:2000
CGSB Registered
Certificate 961004

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





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