

Details

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

The TA-803 adjustable sector is a broadband dipole array, enclosed in an aluminum base with an ASA UV stabilized radome for superior performance and weatherability. Extremely low side lobes, an adjustable azimuth pattern and up to 15 degrees of mechanical downtilt make this a remarkably versatile antenna.

Electrical Specifications

Freq Range:	806-896, 824-896, 890-960 MHz
Gain:	12.5 dBd @ 60°, 11 dBd @ 90°
Gain Multiple:	10.75 dBd @ 105°, 10.5 dBd @ 120°
VSWR:	1.5:1 max. 1.35:1 typical
Front Back:	25 dB min. 30 dB typical
Pol:	vertical
Power:	500 Watts
H Plane BW:	60, 90, 105, 120 degrees
E Plane BW:	18 degrees
Electrical Downtilt:	0°, 4°, 6°, 8°, 9°, 10°, 12°, 14°, 18°
X Pol:	20 dB min.
Imp:	50 ohms nominal
Termination:	N female (7/16 optional)

Mechanical Specifications

Length:	48 in. (1220 mm)
Width:	13 in. (330 mm)
Depth:	8 in. (203 mm)
Weight:	34 lb. (15.4 kg)
Rated Wind vel:	125 mph (200 km/h)
Hor Thrust:	269 lb. (122.1 kg)
Mech tilt:	0 - 15 degrees (w/ TMC-104)
Mounting Pipe:	1.75 - 4.0 in. (44.5 - 102 mm)

Material Specifications

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



Antenna Patterns



