

**Details**

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

The TA-803-45 sector is a fixed pattern version of the TA-803 adjustable sector. It is enclosed in an aluminum base and has an ASA UV stabilized radome for superior performance. Extremely low side lobes and up to 15 degrees of mechanical downtilt make this antenna very useful for narrow coverage applications such as CDMA systems where interference between sites can be a particular problem.

**Electrical Specifications**

<b>Freq Range:</b>	806-896, 824-896, 890-960 MHz
<b>Gain:</b>	14 dBd
<b>VSWR:</b>	1.5:1 max. 1.35:1 typical
<b>Front Back:</b>	30 dB min.
<b>Pol:</b>	vertical
<b>Power:</b>	500 Watts
<b>H Plane BW:</b>	45 degrees
<b>E Plane BW:</b>	18 degrees
<b>Electrical Downtilt:</b>	0°, 4°, 6°, 8°, 9°, 10°, 12°, 14°, 18°
<b>X Pol:</b>	20 dB min.
<b>Imp:</b>	50 ohms nominal
<b>Termination:</b>	N female (7/16 optional)

**Mechanical Specifications**

<b>Length:</b>	48 in. (1220 mm)
<b>Width:</b>	19 in. (483 mm)
<b>Depth:</b>	8 in. (203 mm)
<b>Weight:</b>	36 lb. (16.3 kg)
<b>Rated Wind vel:</b>	125 mph (200 km/h)
<b>Hor Thrust:</b>	396 lb. (180 kg)
<b>Mech tilt:</b>	0 - 15 degrees
<b>Mounting Pipe:</b>	1.75 - 4.0 in. (44.5 - 102 mm)

**Material Specifications**

<b>Radiating Elements:</b>	Irridited aluminum
<b>Reflector:</b>	Irridited aluminum
<b>Radome:</b>	Gray UV stabilized ASA
<b>Clamps:</b>	EDZ steel



**Antenna Patterns**

