

RF-7800W-AT005**RAPIDLY DEPLOYABLE****SIXTY DEGREE SECTOR****ANTENNA**

The RF-7800W-AT005 is a transportable sixty degree sector antenna suited for rapid deployment and ease of use. The antenna and RF-7800W radio mount using a single bracket, reducing the antenna and radio profile (reducing wind loading) and minimizing the RF cable length. The antenna covers the frequency range 4.4 to 5 GHz which includes the public safety band.

The RF-7800W-AT005 is uniquely designed to get the most gain for its size and weight and can handle harsh environments, making it ideal for nomadic and fixed-ground stations.

The RF-7800W-AT005 antenna provides a 60 degree arc of coverage, making it ideal for point-to-multipoint coverage of multiple stations when they are all located in one general direction.

The RF-7800W-AT005 is supplied with a compression clamp assembly that can be used with most tubular masts. Installation takes only a few minutes using standard hand tools. The clamp assembly allows for elevation adjustment.

With its exceptional gain, the RF-7800W-AT005 is the right antenna choice for short to medium range point-to-multipoint line-of-sight radio links.



Mast and radio not included.

Specifications for the RF-7800W-AT005

Electrical

Frequency Range	4.4 to 5.0 GHz
Gain	15 dB (nominal)
Impedance	50 ohm (nominal)
Polarization	Linear (Vertical)
VSWR	1.5:1
Radiation Pattern	Azimuth: 60° beam Elevation: 15° beam
Front to Back	> 23 dB

Environmental

Temperature	-40°C to +60°C
Relative Humidity	90% non-condensing at 50°C
Wind	137 MPH (220 KPH)

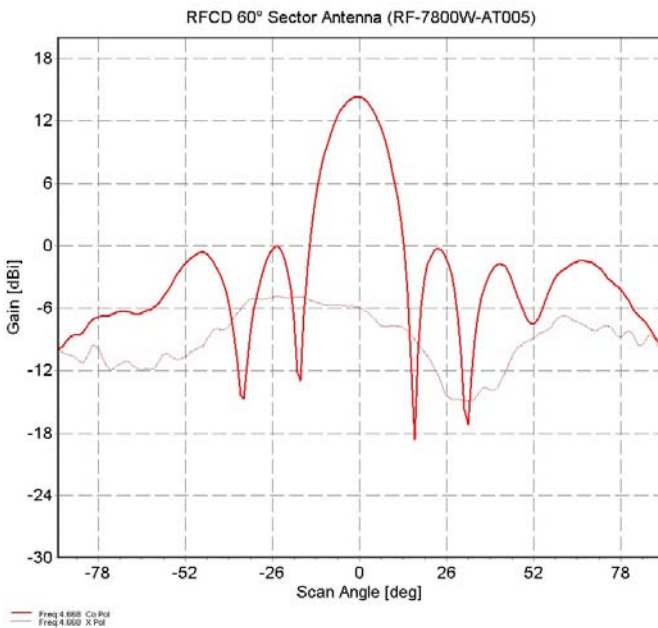
Mechanical

Dimensions	13.5" H x 5.9" W x 1.2" D
Antenna Mount	Bracket mount
Antenna Weight	3.3 lbs. (1.5 kg)
Color	FED-STD-595B Green
RF Connector	Type N Female

Features

- Lightweight
- High gain
- 60° beamwidth
- Easy to deploy

Radiation Pattern at 4.6 GHz



Polar Radiation Pattern at 4.6 GHz

