

RF-7800W-AT002**RAPIDLY DEPLOYABLE
TWO-FOOT PANEL ANTENNA**

The RF-7800W-AT002 is a transportable two-foot panel antenna suited for rapid deployment and ease of use. The mounting studs allow for the bracket to mount the RF-7800W radio perpendicular to the antenna, 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 (NATO Band IV) which includes the public safety band.

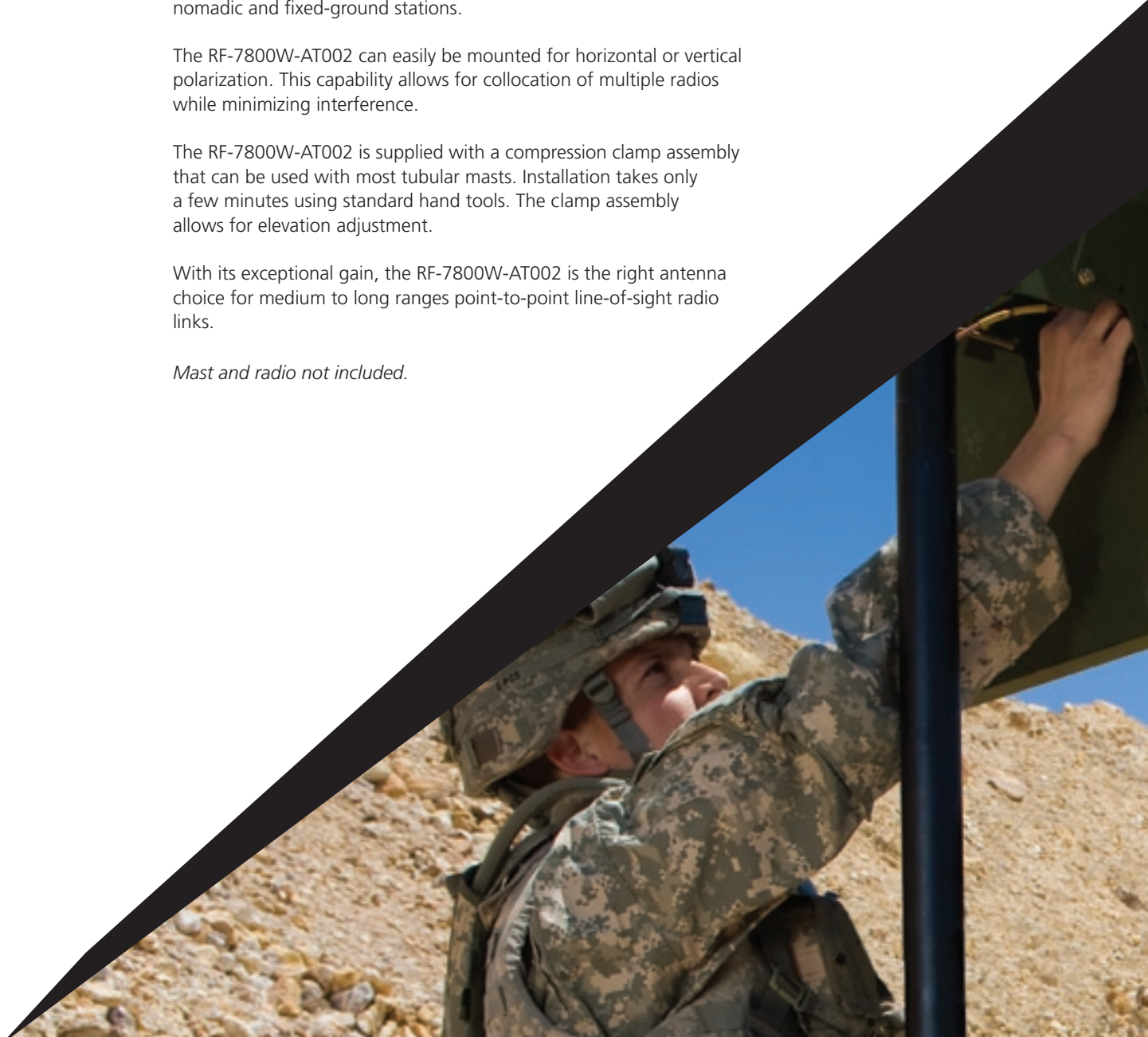
The RF-7800W-AT002 is uniquely designed to get the most gain for its size and weight and can handle harsh environments, making it ideal for nomadic and fixed-ground stations.

The RF-7800W-AT002 can easily be mounted for horizontal or vertical polarization. This capability allows for collocation of multiple radios while minimizing interference.

The RF-7800W-AT002 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-AT002 is the right antenna choice for medium to long ranges point-to-point line-of-sight radio links.

Mast and radio not included.



Specifications for the RF-7800W-A1002

Electrical

Frequency Range	4.4 to 5.0 GHz
Gain	26 dB (nominal)
Impedance	50 ohm (nominal)
Polarization	Linear (Vertical or Horizontal)
VSWR	1.5:1
Radiation Pattern	Azimuth: 6° beam Elevation: 6° beam
Front to Back	> 40 dB

Environmental

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

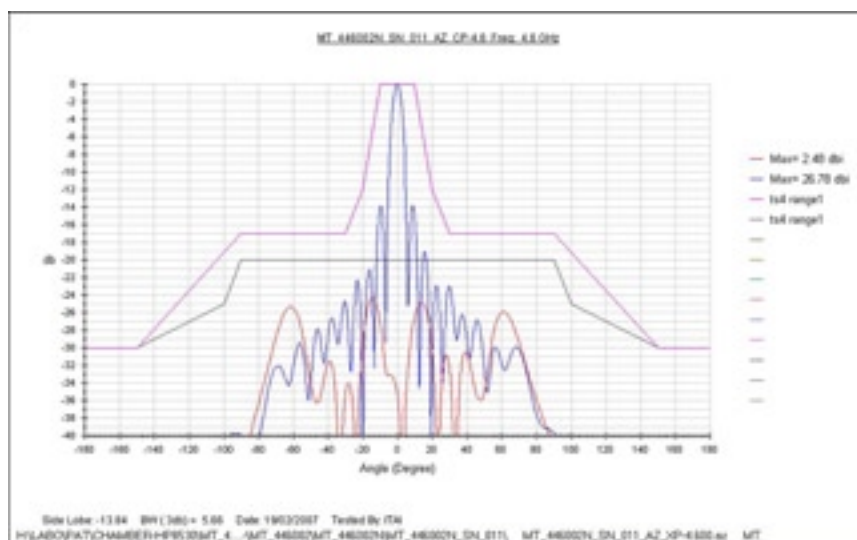
Mechanical

Dimensions	24"L x 24"H x 2"D
Antenna Mount	Bracket mount
Antenna Weight	11 lbs. (5 kg)
Color	FED-STD-595B Green
RF Connector	Type N Female

Features

- Lightweight
- High gain
- Rotate 90° for horizontal polarization
- Easy to deploy

Azimuth Radiation Pattern at 4.6 GHz



Elevation Radiation Pattern at 4.6 GHz

