



## RAPIDLY DEPLOYABLE TWO-FOOT PANEL ANTENNA (4.4-5.875 GHZ)

### RF-7800W-AT202

#### FEATURES

- > Easy to Deploy
- > Lightweight, rugged design
- > Dual polarization
- > Dual band frequency support
- > High Gain
- > MIMO support

The RF-7800W-AT202 is a transportable two-foot panel antenna suited for rapid deployment and ease of use. The antenna covers the frequency range of 4.4 to 5.875 GHz which includes NATO Band IV, public safety, ISM, and unlicensed bands.

The RF-7800W-AT202 has two RF feeds and is both horizontally and vertically polarized. This supports the Multiple Input, Multiple Output (MIMO) function of the RF-7800W Multi-mission HCLOS radios.

The RF-7800W-AT202 is uniquely designed to get the most gain for its size and weight, and can handle harsh environments, making it ideal for nomadic ground stations. Compact and lightweight, the RF-7800W-AT202 is the right antenna choice when there is a need for quick deployment at ranges up to 60km.

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# SPECIFICATIONS FOR: RF-7800W-AT202

## ELECTRICAL

Frequency range	4.4 to 5.875 GHz
Gain	26 dBi nominal
Impedance	50 Ohm (nominal)
Polarization	Dual Linear (Horizontal and Vertical)
VSWR	2.1:1 Typical
Radiation Pattern	6° beamwidth (H and V)
Front to back	>30 dB isolation
Port to Port	>30 dB isolation
Cross Polarization	>20 dB separation

## SPECIFICATIONS

Dimensions	24 x 24 x 2.9 inches (61.0 cm x 61.0 cm x 7.3 cm)
Antenna Mount	Bracket mount
Antenna weight	12.6 lbs (5.7 kg)
Color	FED-STD-595C Green
RF Connector	Type N Female (2)

## ENVIRONMENTAL

Temperature	-40° C to 60° C MIL-STD-810G
Relative Humidity	95% MIL-STD-810G
Vibration	Cat 5 Loose Cargo MIL-STD-810G
Shock	MIL-STD-810G
Salt Fog	MIL-STD-810G
Sand and Dust	MIL-STD-810G
Wind	125 MPH (201 KPH)



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