



RAPIDLY DEPLOYABLE ONE FOOT PANEL ANTENNA (4.4-5.875 GHZ)

RF-7800W-AT201

FEATURES

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

The RF-7800W-AT201 is a transportable one 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-AT201 has two RF feeds and is both horizontally and vertically polarized. This supports the dual linear, Multiple Input, Multiple Output (MIMO) function of the RF-7800W Multi-mission HCLOS radios.

The RF-7800W-AT201 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-AT201 is the right antenna choice when there is a need for quick deployment at ranges up to 30km.

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SPECIFICATIONS FOR: RF-7800W-AT201

ELECTRICAL

Frequency range	4.4 to 5.875 GHz
Gain	21.0 dBi nominal
Impedance	50 Ohm (nominal)
Polarization	Dual Linear (Horizontal and Vertical)
VSWR	2.0:1 Typical
Radiation Pattern	11° beamwidth (H and V)
Front to back	>30 dB isolation
Port to Port	>30 dB isolation
Cross Polarization	>20 dB separation

SPECIFICATIONS

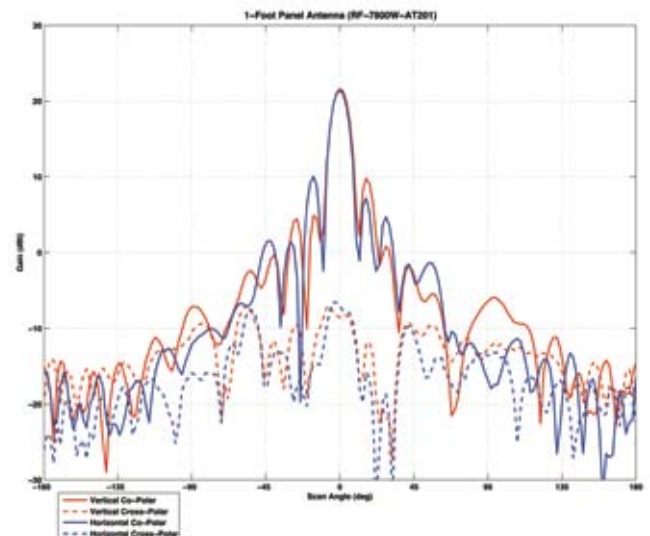
Dimensions	13.1 x 13.1 x 2.5 inches (33.2 cm x 33.2 cm x 6.4 cm)
Antenna Mount	Bracket mount
Antenna weight	<4.5 lbs (2 kg)
Color	FED-STD-595C Green
RF Connector	Type N Female (2)

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)

PLOTS

Average Band Radiation Pattern



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