

RF-7800W-AT201

Rapid-Deployment One-Foot Panel

GENERAL	
RT Nomenclature	RF-7800W-AT201
Frequency Range	4.4 to 5.875 GHz
Antenna Mount	Bracket mount
RF Connector	Type N Female (2)

ELECTRICAL	
Gain	21.0 dBi nominal
Impedance	50 ohm (nominal)
Polarization	Dual linear (horizontal and vertical)
VSWR	2.0:1 Typical
Radiation Pattern	11° beam width (H and V) See pattern plot on back page
Front to back	> 30 dB isolation
Port to Port	> 30 dB isolation
Cross Polarization	> 20 dB separation

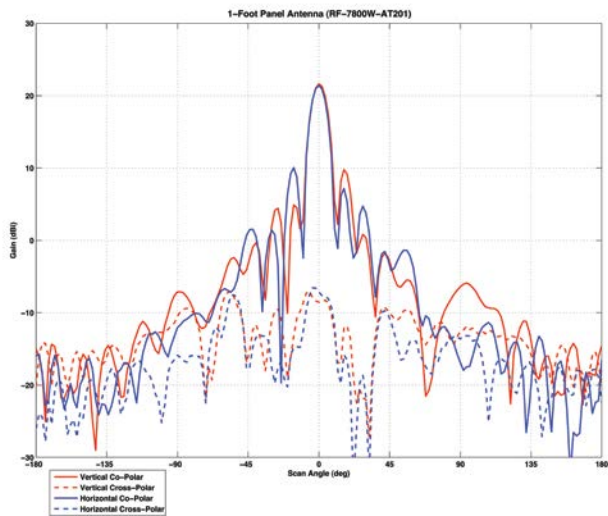
PHYSICAL	
Dimensions	13.1 H x 13.1 W x 2.5 D in (33.2 H x 33.2 W x 6.4 D cm)
Weight	<4.5 lbs (2 kg)
Color	FED-STD-595C Green

ENVIRONMENTAL	
Temperature	MIL-STD-810G -40°F to +140°F (-40°C to +60°C)
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)



The RF-7800W-AT201 is a lightweight, one-foot panel antenna designed for ease of transport, deployment and use. The antenna covers the 4.4 to 5.875 GHz frequency range, which includes NATO Band IV, Public Safety, ISM and unlicensed bands. This antenna has two RF feeds and is both horizontally and vertically polarized, supporting the Multiple Input, Multiple Output (MIMO) function of Falcon III® RF-7800W Multi-Mission HCLOS radios. This rapid-deployment solution is engineered to deliver the most gain for its size and weight, and is ruggedized for harsh environments, making it ideal for nomadic ground stations.

AVERAGE BAND RADIATION PATTERN



RF-7800W-AT201 Rapid Deployment One-Foot Panel Antenna
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