

**RF-7800W-AT013**

**RAPIDLY DEPLOYABLE  
THREE-FOOT PARABOLIC  
GRID ANTENNA  
(4.4 – 5.0 GHz)**

The RF-7800W-AT013 is a transportable three-foot grid antenna suited for rapid deployment and ease of use. The new 3-foot grid antenna offers a quick release feed horn that requires no tools for assembly. A quick release provides the flexibility to snap the antenna feed on or off during transport.

The RF-7800W-AT013 utilizes the universal mounting bracket that is supplied with the RF-7800W-OU440 Broadband Ethernet Radio. With this mount, the RF-7800W-AT013 antenna is a lightweight assembly that can be used with most portable and fixed tubular masts.

The radio bracket, included in the bundle with the radio, has been redesigned to allow the new 3-foot grid (and old) to be mounted like the rest of the cataloged antennas. This now simplifies the 3-foot grid antenna deployments and reduces the top load weight immensely. The antenna covers the frequency range 4.4 to 5 GHz which includes the public safety band.

The RF-7800W-AT013 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-AT013 can easily be mounted for horizontal or vertical polarization. This capability allows for collocation of multiple radios while minimizing interference.

With its exceptional gain, the RF-7800W-AT013 is the right antenna choice for medium to long range point-to-point and point-to-multipoint line-of-sight radio links.

***Mast and radio not included.***



## Specifications for the RF-780W-AT013

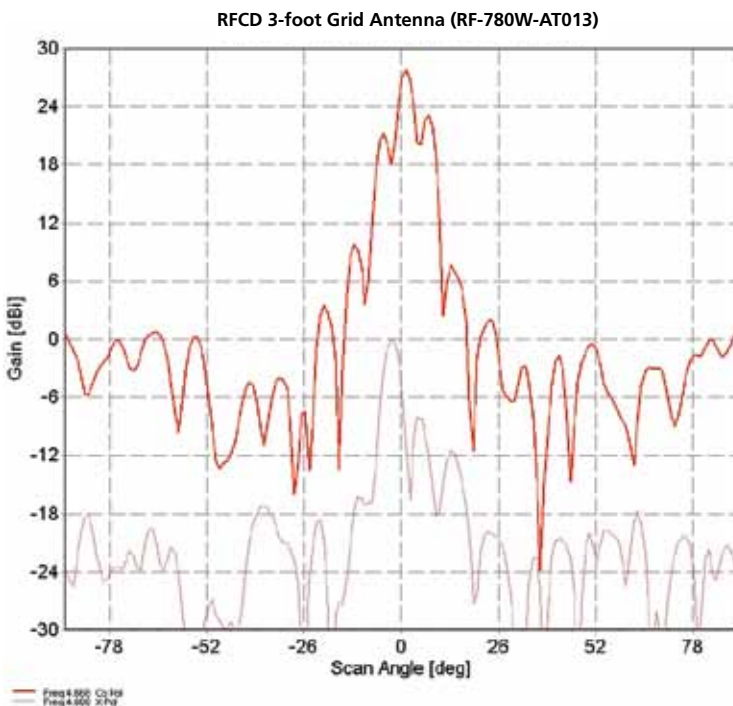
Electrical	
Frequency Range	4.4 to 5.0 GHz
Gain	29.8 dB (nominal)
Impedance	50 ohm (nominal)
Polarization	Linear (Vertical or Horizontal)
VSWR	1.5:1
Radiation Pattern	Azimuth: 4.7° beam Elevation: 4.7° beam
Front to Back	> 32 dB

Environmental	
Temperature	-40°C to +65°C
Relative Humidity	100%
Wind	125 MPH (201 KPH)

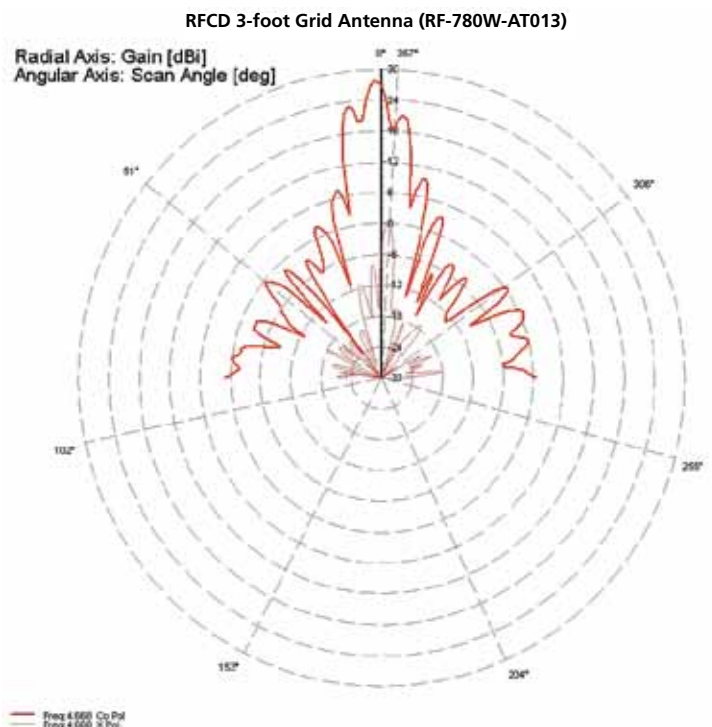
Mechanical	
Dimensions	36" (.9m) diameter
Antenna Mount	Bracket mount
Antenna Weight	11 lbs (4.98 kg)
Color	FED-STD-595B Green
RF Connector	Type N Female

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

### Radiation Pattern at 4.7 GHz



### Polar Radiation Pattern at 4.7 GHz



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