

# Base Station Antennas



## ANTENNA SPECIFICATIONS

**ANTENNA TYPE:** PG1N0F-0091-111

**Description:** 901-902 MHz, single polarized, 11 dBi gain omni antenna with 1 degrees of electrical downtilt

### Electrical Specifications

Frequency Band, MHz	901-902
Gain, dBd (dBi)	8.8 (11.0)
Elevation Beamwidth, degrees	7
Polarization Type	Single/Vertical
Electrical Downtilt, degrees	1
Return Loss, dB (VSWR)	>14.0 (<1.5)
Impedance, ohms	50
Maximum Input Power, watts	100
Lightning Protection	DC Ground
Connector Type	Type N Female
Connector Position	Bottom

### Mechanical Specifications

Antenna Dimensions - L x Dia., mm (in)	2520 (99.2) x 32 (1.25)
Antenna Weight, kg (lb)	2.3 (5.0)
Radome Color	Gray
Radome Material	UV Protected Fiberglass

### Environmental Specifications

Survival Wind Speed, km/h (mph)	201 (125)
Wind Load, N (lbf)*	161 (36.2)
Bending Moment, N (ft-lb)	154 (113.6)
Flare Plate Area, sq. cm (sq. in)	670 (104)
Temperature Range, degrees C	-40 to +70
Humidity, %	Up to 100
* Based on 100 mph (161 km/h)	

### Shipping Specifications

Shipping Dimensions - L x Diam., mm (in)	2616 (103) x 76 (3)
Shipping Weight, kg (lb)	6.8 (14.9)

### Mounting Hardware Specifications

Mounting Bracket Part Number	600033
Mount Weight, kg (lb)	4.3 (9.5)
Mount Description	Fixed Mount
To include mounting hardware with antenna, order part number:	<b>PG1N0F-0091-111M</b>
Shipping Dimensions of mount carton - L x W x D, mm (in)	380 (15) x 80 (3.2) x 80 (3.2)
Shipping Weight of mount and antenna, kg (lb) (Mount carton packaged with antenna for shipping)	11.3 (24.8)

### Customer Support Center:

From North America: 1-800-255-1479

International: +1-708-873-2307

[www.andrew.com](http://www.andrew.com)

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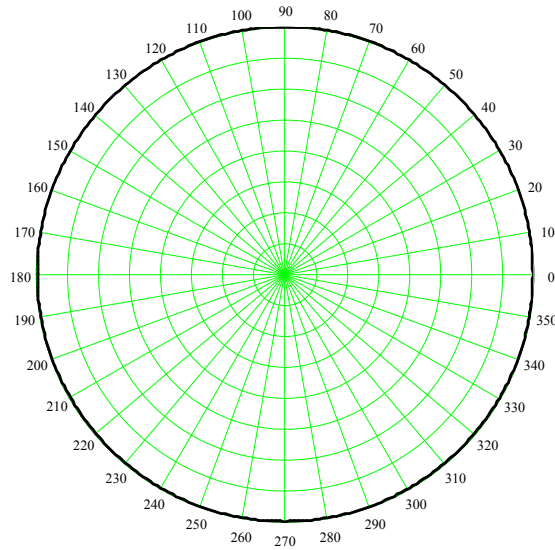
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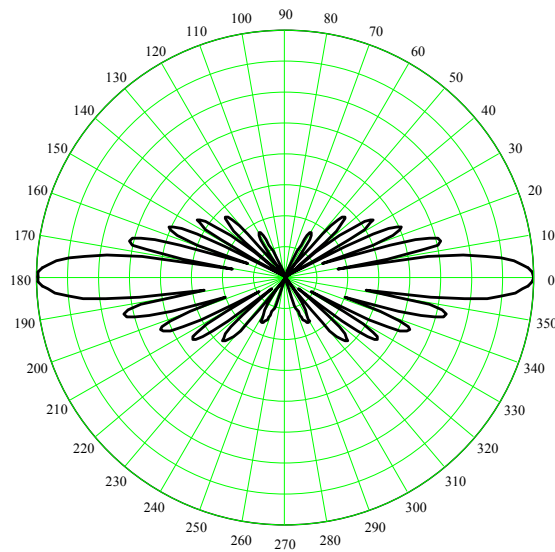


## ANTENNA SPECIFICATIONS

ANTENNA TYPE: PG1N0F-0091-111



Azimuth Patterns  
Polar Plot Center = -40dB  
5 dB / radial division  
10 degree / angular division



Elevation Pattern  
Polar Plot Center = -40dB  
5 dB / radial division  
10 degree / angular division

Pattern File 640176  
Measured at 902 MHz

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