Base Station Antennas

PerforMax™

ANTENNA SPECIFICATIONS

ANTENNA TYPE: **PG1N0F-0091-608**

Description: 901-902 MHz, single polarized, 8 dBi gain omni antenna with 6 degrees of electrical downtilt

Electrical Specifications

Frequency Band, MHz	901-902
Gain, dBd (dBi)	5.8 (8.0)
Elevation Beamwidth, degrees	14
Polarization Type	Single/Vertical
Electrical Downtilt, degrees	6
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)	1681 (66.2) x 32 (1.25)
Antenna Weight, kg (lb)	2.5 (5.5)
Radome Color	Gray
Radome Material	UV Protected Fiberglass

Environmental Specifications

Survival Wind Speed, km/h (mph)	201 (125)
Wind Load, N (lbf)*	77 (17.3)
Bending Moment, N (ft-lb)	70 (52)
Flate Plate Area, sq. cm (sq. in)	320 (50)
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)	1778 (70) x 76 (3)
Shipping Weight, kg (lb)	6.2 (13.6)

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:	**PG1N0F-0091-608M**
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)	10.7 (23.5)

Customer Support Center:
From North America: 1-800-255-1479
International: +1-708-873-2307
www.andrew.com

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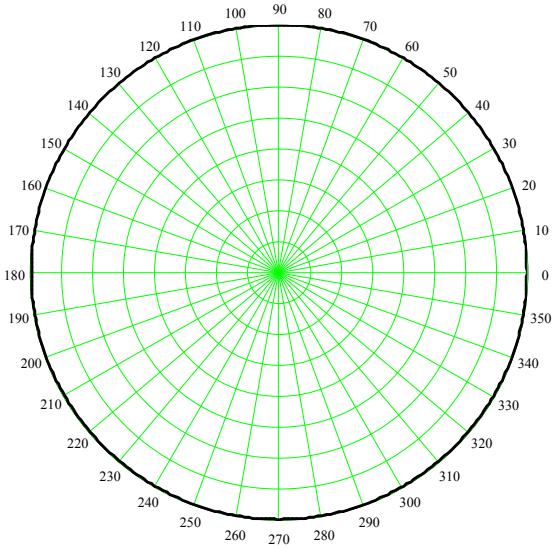
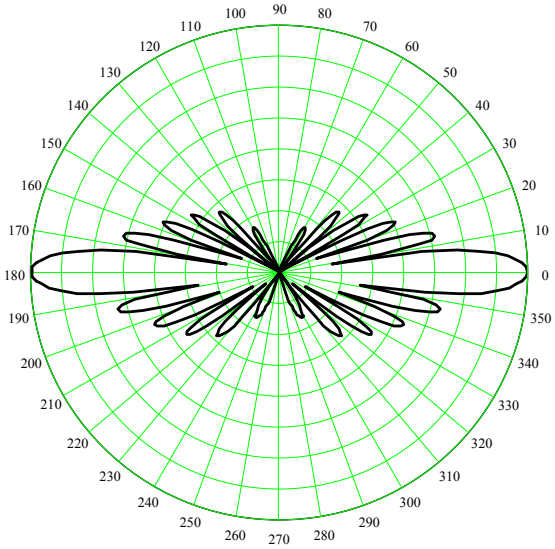


Azimuth Patterns
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division



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

Pattern File 640178
Measured at 902 MHz

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