

Base Station Antennas



PerforMax™

ANTENNA SPECIFICATIONS

ANTENNA TYPE: SMR08-06016-0D

Description: 806-869 MHz, single polarized, 60 degree azimuth beamwidth, 16 dBd gain panel antenna with 0 degrees of electrical downtilt

Electrical Specifications

Frequency Band, MHz	806-869
Gain, dBd (dBi)	15.5 (17.7)
Azimuth Beamwidth, degrees	60
Elevation Beamwidth, degrees	8.5
Front-to-Back Ratio, dB	>25
Return Loss, dB (VSWR)	>15.5 (<1.4)
Impedance, ohms	50
Intermodulation, dBc	<-150
Polarization Type	Single, Vertical
Electrical Downtilt, degrees	0
Maximum Input Power, watts	500
Lightning Protection	DC Ground
Connector Type	7-16 DIN Female
Connector Position	Bottom
Number of Connectors	1

Mechanical Specifications

Antenna Dimensions - L x W x D, mm (in)	2422 (95) x 267 (10.5) x 127 (5)
Antenna Weight, kg (lb)	16.1 (35.5)
Radome Color	Gray
Radome Material	UV Protected PVC

Environmental Specifications

Survival Wind Speed, km/h (mph)	201 (125)
Wind Load - frontal, N (lbf)*	1136 (255)
Wind Load - lateral, N (lbf)*	231 (52)
Wind Load - rear, N (lbf)*	1371 (308)
Temperature Range, degrees C	-40 to +65
Humidity, %	Up to 100

* Based on 100 mph (161 km/h)

Shipping Specifications

Shipping Dimensions - L x W x D, mm (in)	2540 (100) x 406 (16) x 267 (10.5)
Shipping Weight, kg (lb)	20.0 (44.0)

Mounting Hardware Specifications

Mounting Bracket Part Number	600899A-2
Mount Description	Adjustable downtilt, 0 to 13 degrees
Mount Weight, kg (lb)	4.1 (9.0)
To include mounting bracket with antenna, order part number:	<u>SMR08-06016-0DM</u>
Shipping Dimensions - mount with antenna - L x W x D, mm (in)	2623 (103.3) x 406 (16) x 267 (10.5)
Shipping Weight - mount with antenna, kg (lb)	24.3 (53.6)

Customer Support Center:

From North America: 1-800-255-1479

International: +1-708-873-2307

www.andrew.com

This Specification Sheet is for reference only and is subject to change without notice.

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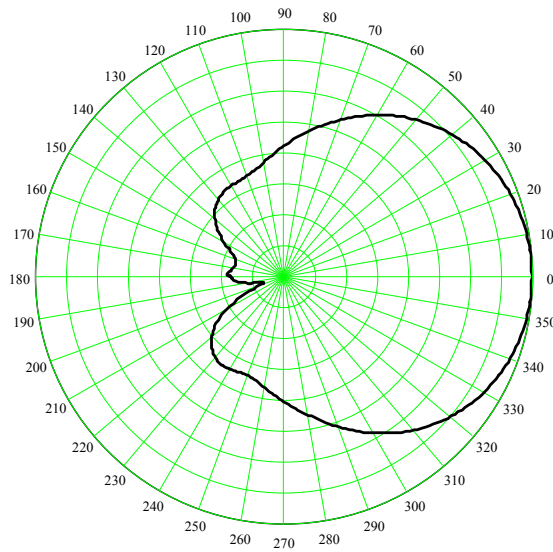
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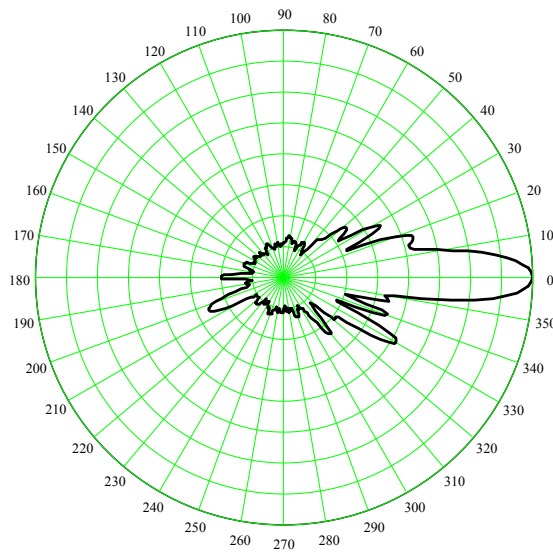
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Azimuth Pattern
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division



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

Pattern File 6402171
Measured at 837 MHz