Base Station Antennas

PerforMax™

ANTENNA SPECIFICATIONS

ANTENNA TYPE: PCSD19-09016-2D

Description: 1850-1990 MHz, dual polarized, 90 degree azimuth beamwidth, 16 dBd gain panel antenna with 2 degrees of electrical downtilt

Electrical Specifications

Frequency Band, MHz	1850-1990
Gain, dBd (dBi)	
Azimuth Beamwidth, degrees	80 - 90
Elevation Beamwidth, degrees	
Front-to-Back Ratio, dB	>25
Return Loss, dB (VSWR)	>15.5 (<1.4)
Impedance, ohms	50
Intermodulation, dBc	<-150
Polarization Type	Dual, Slant 45
Electrical Downtilt, degrees	2
Maximum Input Power, watts	300
Lightning Protection	DC Ground
Connector Type	7-16 DIN Female
Connector Position	Bottom
Number of Connectors	2

Mechanical Specifications

Antenna Dimensions - L x W x D, mm (in)	
Antenna Weight, kg (lb)	
Radome Color	Gray
Radome Material	UV Protected PVC

Environmental Specifications

Survival Wind Speed, km/h (mph)	201 (125)
Wind Load - frontal, N (lbf)*	
Wind Load - lateral, N (lbf)*	
Wind Load - rear, N (lbf)*	
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)	
Shipping Weight, kg (lb)	

Mounting Hardware Specifications

Mounting Bracket Part Number	600691A-2
Mount Description	Adjustable downtilt, 0 - 14 degrees
Mount Weight, kg (lb)	1 (2.2)
To include mounting bracket with antenna, order part number:	**PCSD19-09016-2DM**
Shipping Dimensions - mount with antenna - L x W x D, mm (in)	
Shipping Weight - mount with antenna, kg (lb)	

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

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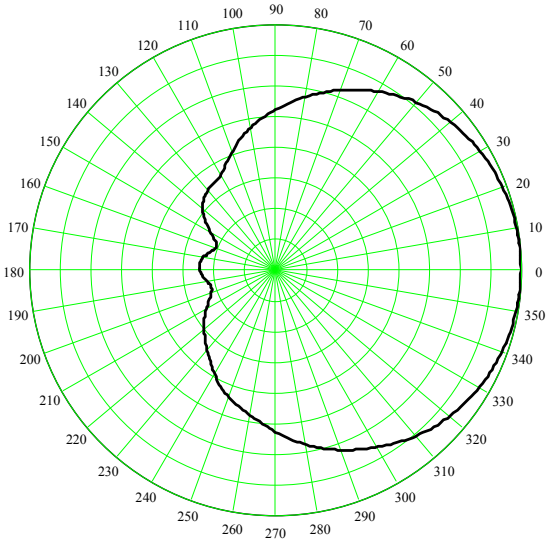
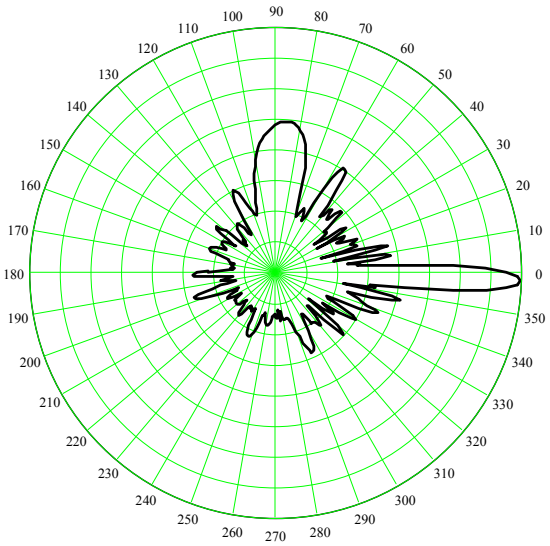


Azimuth Pattern
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division



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

Pattern File 6404351a
Measured at 1920 MHz

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