

# Base Station Antennas



PerforMax™

## ANTENNA SPECIFICATIONS

### ANTENNA TYPE: CTS08G-09014-0D

Description: 824-960 MHz, single polarized, 90 degree azimuth beamwidth, 14 dBd gain panel antenna with 0 degrees of electrical downtilt

### Electrical Specifications

Frequency Band, MHz	824-960
Gain, dBd (dBi)	13.5 (15.7)
Azimuth Beamwidth, degrees	90
Elevation Beamwidth, degrees	9.5
Front-to-Back Ratio, dB	>25
Return Loss, dB (VSWR)	>14.0 (<1.5)
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)	1980 (78.0) x 267 (10.5) x 127 (5)
Antenna Weight, kg (lb)	16.4 (36.0)
Radome Color	Gray
Radome Material	UV Protected PVC

### Environmental Specifications

Survival Wind Speed, km/h (mph)	201 (125)
Wind Load - frontal, N (lbf)*	813 (183)
Wind Load - lateral, N (lbf)*	189 (42)
Wind Load - rear, N (lbf)*	980 (220)
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)	2108 (83) x 406 (16) x 267 (10.5)
Shipping Weight, kg (lb)	19.6 (43.2)

### Mounting Hardware Specifications

Mounting Bracket Part Number	600899A-2
Mount Description	Adjustable downtilt, 0 to 15 degrees
Mount Weight, kg (lb)	4.1 (9.0)
To include mounting bracket with antenna, order part number:	<b><u>CTS08G-09014-0DM</u></b>
Shipping Dimensions - mount with antenna - L x W x D, mm (in)	2191 (86.3) x 406 (16) x 267 (10.5)
Shipping Weight - mount with antenna, kg (lb)	23.9 (52.6)

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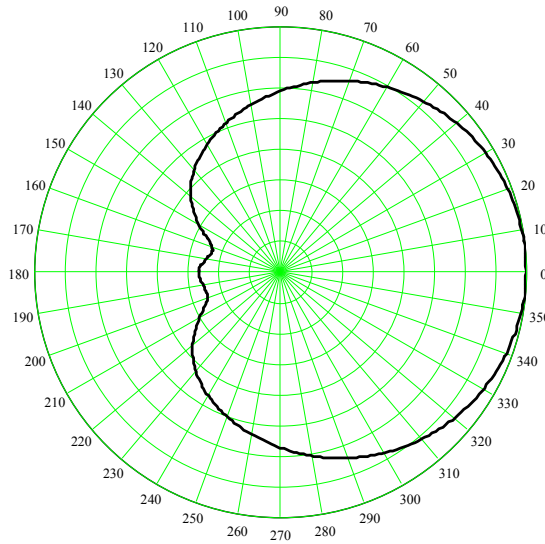
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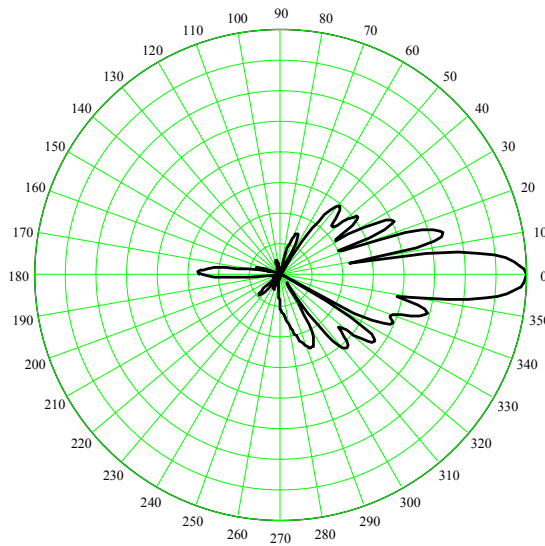
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Azimuth Pattern  
Polar Plot Center = -40dB  
5 dB / radial division  
10 degree / angular division



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

Pattern File 6402912  
Measured at 860 MHz