

Base Station Antennas



PerforMax™

ANTENNA SPECIFICATIONS

ANTENNA TYPE: CTS08G-06515-0D

Description: 824-960 MHz, single polarized, 65 degree azimuth beamwidth, 15 dBd gain panel antenna with 0 degrees of electrical downtilt

Electrical Specifications

Frequency Band, MHz	824-960
Gain, dBd (dBi)	15.0 (17.2)
Azimuth Beamwidth, degrees	65
Elevation Beamwidth, degrees	9
Front-to-Back Ratio, dB	>30
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:	<u>CTS08G-06515-0DM</u>
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

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

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Bulletin # 94035 - Rev. 9/17/2001

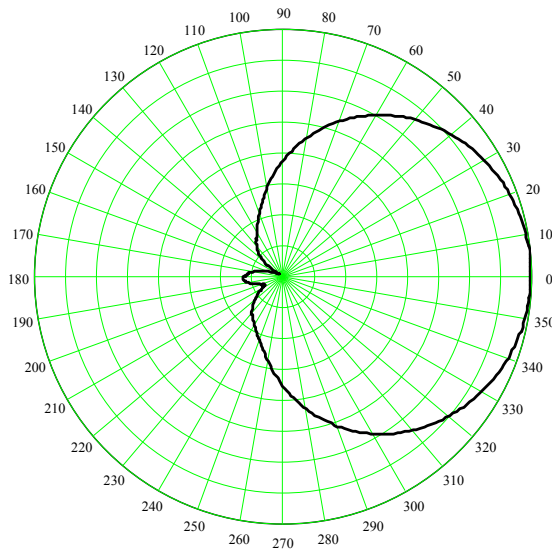
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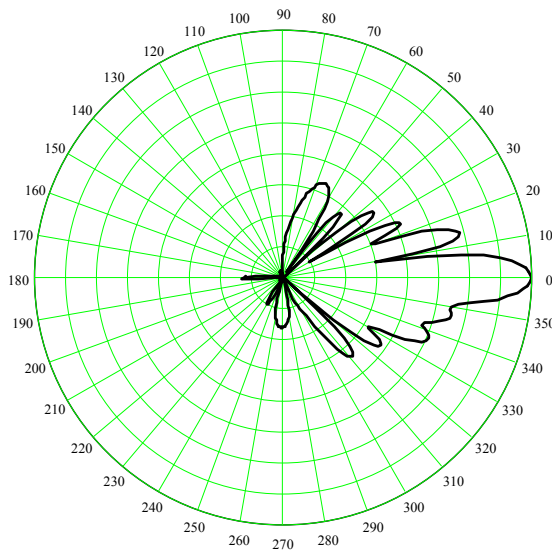
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Azimuth Pattern
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division



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

Pattern File 6402902
Measured at 860 MHz