

Base Station Antennas



PerforMax™

ANTENNA SPECIFICATIONS

ANTENNA TYPE: CTS08G-09015-0D

Description: 824-894 MHz, single polarized, 90 degree azimuth beamwidth, 15 dBd gain panel antenna with 0 degrees of electrical downtilt

Electrical Specifications

| | |
|------------------------------|------------------|
| Frequency Band, MHz | 824-894 |
| Gain, dBd (dBi) | 14.3 (16.5) |
| Azimuth Beamwidth, degrees | 90 |
| Elevation Beamwidth, degrees | 8 |
| 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) | 2370 (93.3) x 267 (10.5) x 127 (5) |
| Antenna Weight, kg (lb) | 15.9 (35.0) |
| Radome Color | Gray |
| Radome Material | UV Protected PVC |

Environmental Specifications

| | |
|---------------------------------|------------|
| Survival Wind Speed, km/h (mph) | 201 (125) |
| Wind Load - frontal, N (lbf)* | 1112 (250) |
| Wind Load - lateral, N (lbf)* | 226 (51) |
| Wind Load - rear, N (lbf)* | 1341 (301) |
| 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) | 2509 (98) x 406 (16) x 267 (10.5) |
| Shipping Weight, kg (lb) | 19.8 (43.5) |

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>CTS08G-09015-0DM</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) | 24.1 (53.0) |

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

www.andrew.com

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Bulletin # 94037 - Rev. 9/17/2001

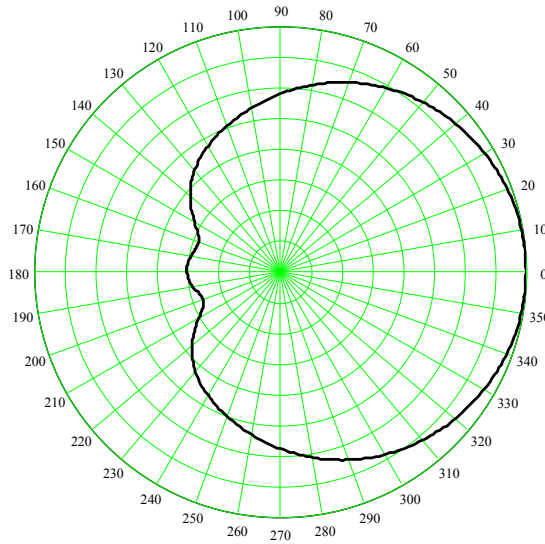
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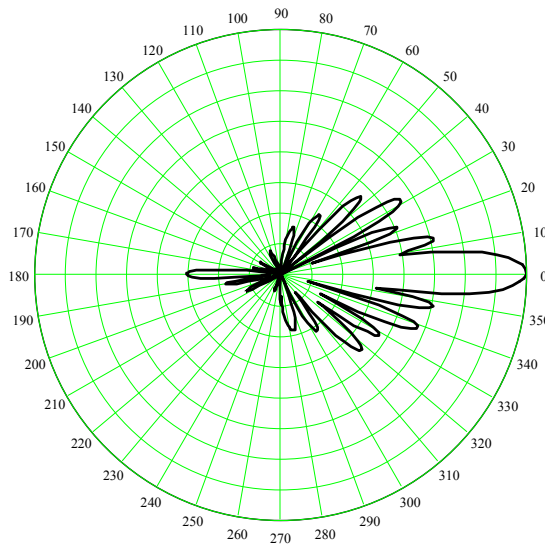
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Azimuth Pattern
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division



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

Pattern File 6403641
Measured at 860 MHz