

# Base Station Antennas



PerforMax™

## ANTENNA SPECIFICATIONS

### ANTENNA TYPE: CTS08-06016-9D

Description: 824-894 MHz, single polarized, 60 degree azimuth beamwidth, 16 dBd gain panel antenna with 9 degrees of electrical downtilt

### Electrical Specifications

Frequency Band, MHz	824-894
Gain, dBd (dBi)	15.5 (17.7)
Azimuth Beamwidth, degrees	60
Elevation Beamwidth, degrees	8.2
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	9
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)*	1134 (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:	<b><u>CTS08-06016-9DM</u></b>
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](http://www.andrew.com)

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

Copyright ©2001 Andrew Corporation, Printed in the U.S.A.

Bulletin # 94015 - Rev. 9/17/2001

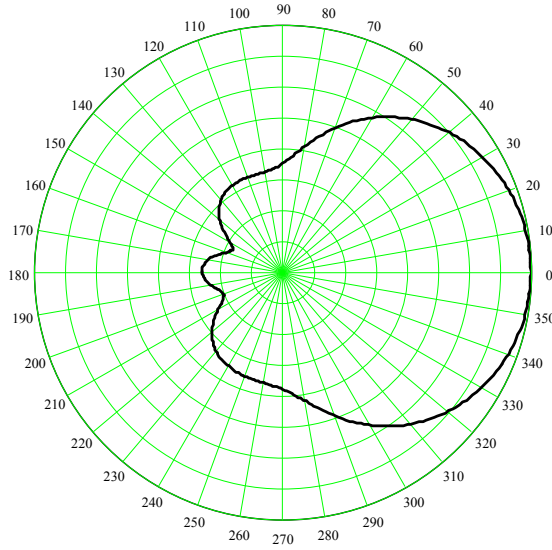
# Base Station Antennas



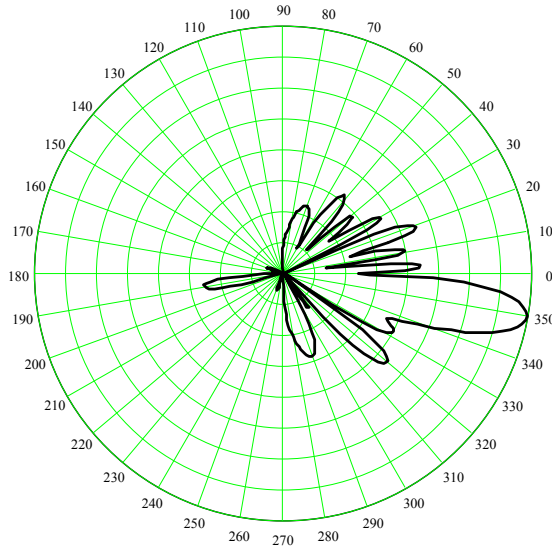
## ANTENNA SPECIFICATIONS

ANTENNA TYPE: CTS08-06016-9D

PerforMax™



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 640441  
Measured at 860 MHz