



# 950F85T4E-M

Directed Dipole Antenna

**Decibel®**  
Base Station Antennas

- Exceptional azimuth roll-off reducing soft hand-offs and improving capacity
- Excellent upper side lobe suppression
- Deep null filling below the horizon assures improved signal intensity
- Low profile appearance and low wind loading profile for easier zoning approvals

## ELECTRICAL

Frequency (MHz) :	1850 - 1990
Polarization :	Vertical
Gain (dBd/dBi) :	14.6/16.7
Azimuth BW (Deg.):	85
Elevation BW (Deg.):	6.5
Beam Tilt (Deg.):	4
USLS* (dB) :	18
Null Fill (dB) :	<12
Front-To-Back Ratio* (dB) :	40
VSWR :	<1.33:1
PIM3 @ 2 x 20w (dBc) :	-150
Max. Input Power (Watts) :	250
Impedance (Ohms) :	50
Lightning Protection :	DC Ground

## MECHANICAL

Weight :	5.2 kg (11.5 lb)
Dimensions (LxWxD) :	1,524 x 102 x 178 mm (60 x 4 x 7 in)
Max. Wind Area :	0.14 m <sup>2</sup> (1.5 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	373.6 N (84 lbf)
Max. Wind Speed :	201 km/h (125 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Bottom)
Color :	Light Gray
Standard Mounting Hardware :	DB390
Standard Downtilt	
Mounting Hardware :	DB5098
WeatherProofing Enclosure: (must order separately)	AWE-A12



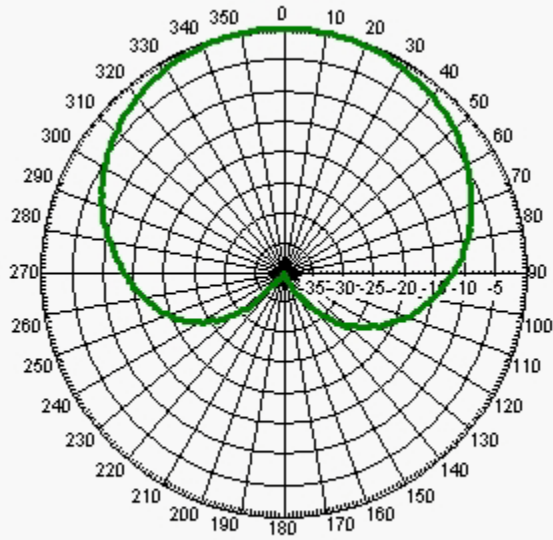


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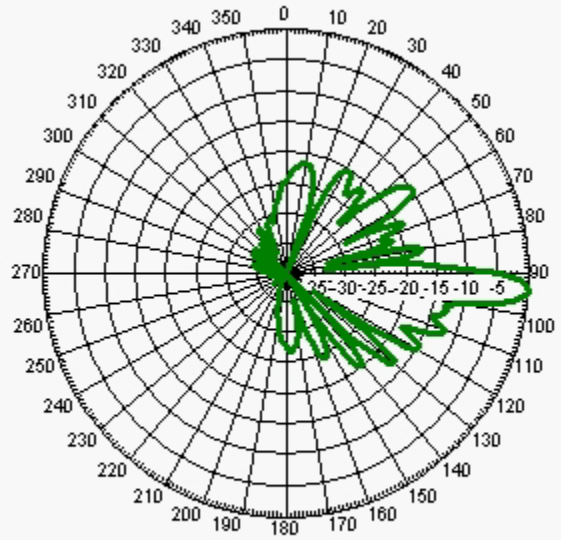
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## AZIMUTH PATTERN



Freq: 1920 MHz, Tilt: 4

## ELEVATION PATTERN



Freq: 1920 MHz, Tilt: 4