



948F85T2E-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) :	14/16.1
Azimuth BW (Deg.):	85
Elevation BW (Deg.):	7.5
Beam Tilt (Deg.):	2
USLS* (dB) :	16
Null Fill (dB) :	<15
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 :	3.8 kg (8.5 lb)
Dimensions (LxWxD) :	1,219 x 84 x 178 mm (48 x 3.3 x 7 in)
Max. Wind Area :	0.11 m ² (1.2 ft ²)
Max. Wind Load (@ 100 mph) :	289.1 N (65 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



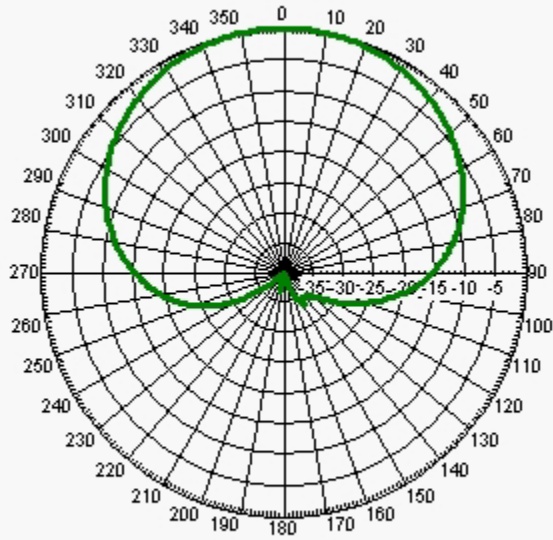


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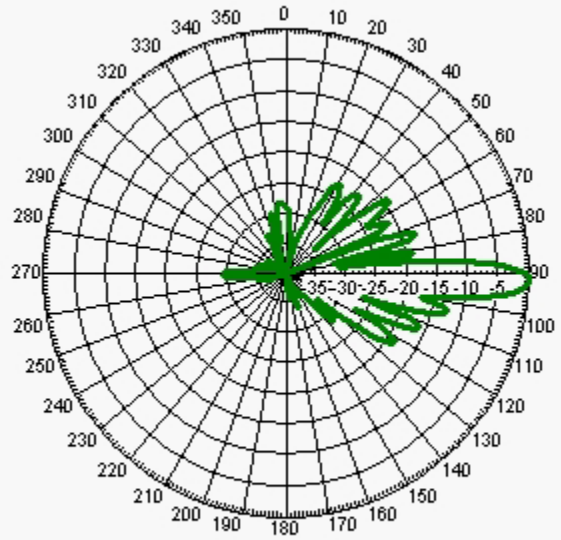
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AZIMUTH PATTERN



Freq: 1850 MHz, Tilt: 2

ELEVATION PATTERN



Freq: 1850 MHz, Tilt: 2