



# DB583-XT

Omni Antenna

**Decibel®**  
Base Station Antennas

- Light weight, low profile omni, ideal for low to moderate gain applications
- Integral dual purpose mount allows top or side mounting
- Lightning resistant, with large diameter conductor extending top to bottom
- Invert mountable

## ELECTRICAL

Frequency (MHz) :	806 - 869
Polarization :	Vertical
Gain (dBd/dBi) :	3/5.1
Azimuth BW (Deg.):	360
Elevation BW (Deg.):	30
Beam Tilt (Deg.):	0
VSWR :	<1.5:1
Max. Input Power (Watts) :	300
Impedance (Ohms) :	50
Lightning Protection :	DC Ground

## MECHANICAL

Weight :	2.8 kg (6.2 lb)
Dimensions (LxUO) :	813 x 38 mm (32 x 1.5 in)
Max. Wind Area :	0.03 m <sup>2</sup> (0.3 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	58.2 N (13.1 lbf)
Max. Wind Speed :	201 km/h (125 mph)
Hardware Material :	Stainless Steel
Connector Type :	N - Type Female (1, Bottom)
Color :	Horizon Blue
Standard Mounting Hardware :	V-Bolts



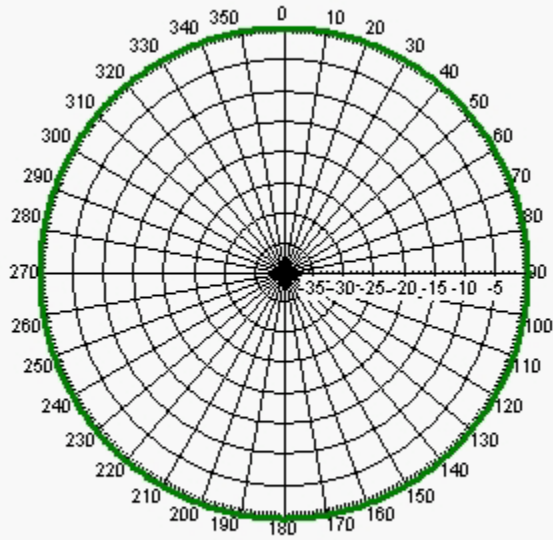


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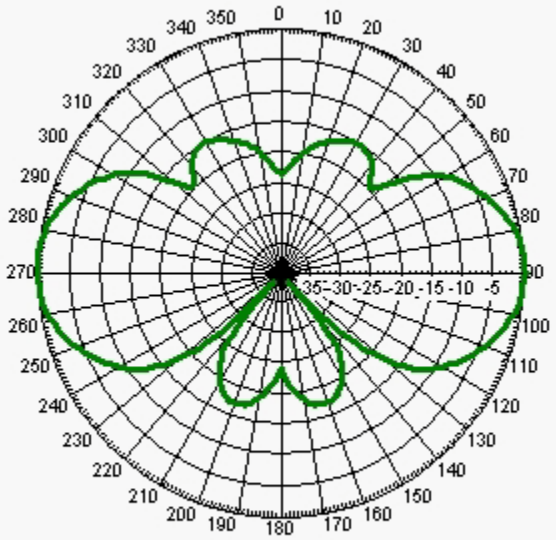
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## AZIMUTH PATTERN



Freq: 860 MHz, Tilt: 0

## ELEVATION PATTERN



Freq: 860 MHz, Tilt: 0