



# DB848H90E-XY

Directed Dipole Antenna

**DECIBEL®**  
Base Station Antennas

- Excellent azimuth roll-off, 15-20% reduction in cell to cell overlap
- Superior front to back ratio
- Low profile, low wind load for easy zoning
- Outstanding field record, with thousands of units deployed, world wide

## ELECTRICAL

Frequency (MHz) :	806 - 896	870 - 960
Polarization :	Vertical	Vertical
Gain (dBd/dBi) :	14.2/16.3	14.5/16.6
Azimuth BW (Deg.):	90	90
Elevation BW (Deg.):	7.5	7.5
Beam Tilt (Deg.):	0	0
Front-To-Back Ratio* (dB) :	40	40
VSWR :	<1.5:1	<1.5:1
Max. Input Power (Watts) :	500	500
Impedance (Ohms) :	50	50
Lightning Protection :	DC Ground	DC Ground

## MECHANICAL

Weight :	12.7 kg (28 lb)
Dimensions (LxWxD) :	2,438 x 165 x 203 mm (96 x 6.5 x 8 in)
Max. Wind Area :	0.22 m <sup>2</sup> (2.4 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	573.7 N (129 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Back)
Color :	Light Gray
Standard Mounting Hardware :	DB380
Standard Downtilt Mounting Hardware :	DB5083





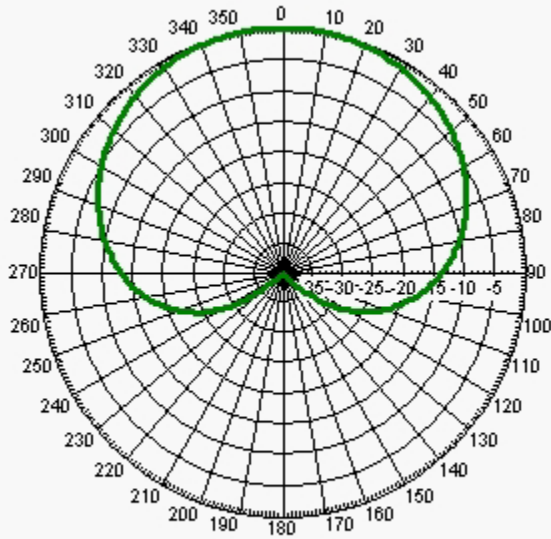
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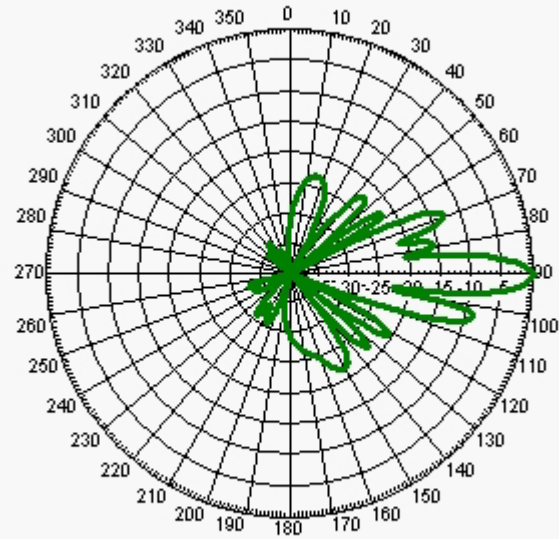
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## AZIMUTH PATTERN

## ELEVATION PATTERN



Freq: 860 MHz, Tilt: 0



Freq: 860 MHz, Tilt: 0