



# DB848H40E-SX

Directed Dipole Antenna

**Decibel®**  
Base Station Antennas

- Excellent azimuth roll-off, 15-20% reduction in cell-to-cell overlap
- Superior front to back ratio
- DB84x family has outstanding field record, with thousands of units deployed world wide
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## ELECTRICAL

Frequency (MHz) :	806 - 896
Polarization :	Vertical
Gain (dBd/dBi) :	18.2/20.3
Azimuth BW (Deg.):	40
Elevation BW (Deg.):	8
Beam Tilt (Deg.):	0
USLS* (dB) :	15
Front-To-Back Ratio* (dB) :	40
VSWR :	<1.4:1
Max. Input Power (Watts) :	500
Impedance (Ohms) :	50
Lightning Protection :	DC Ground



Weight :	24.9 kg (55 lb)
Dimensions (LxWxD) :	2,438 x 610 x 305 mm (96 x 24 x 12 in)
Max. Wind Area :	0.78 m <sup>2</sup> (8.4 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	2,063.8 N (464 lbf)
Max. Wind Speed :	201 km/h (125 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Back)
Color :	Light Gray
Standard Mounting Hardware :	DB380-3
Standard Downtilt Mounting Hardware :	DB5083D

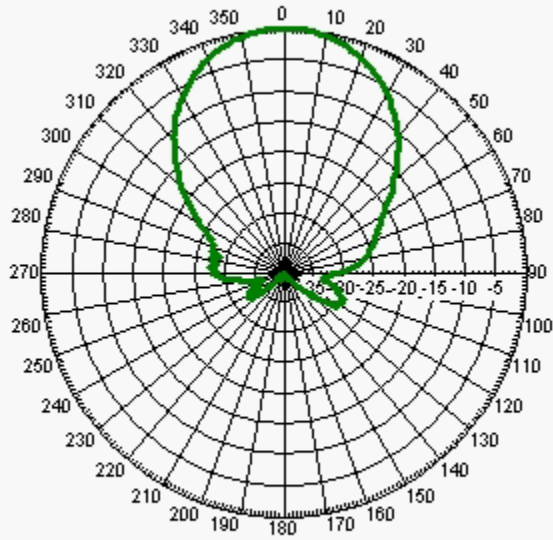


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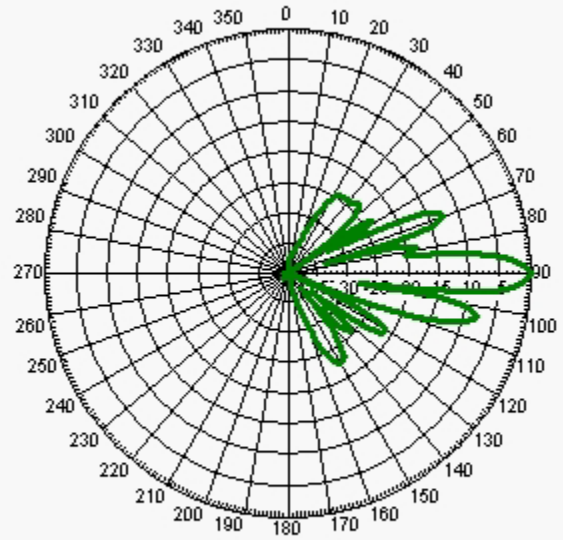
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## AZIMUTH PATTERN



Freq: 850 MHz, Tilt: 0

## ELEVATION PATTERN



Freq: 850 MHz, Tilt: 0