



DB848H65E-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) :	15.7/17.8	16/18.1
Azimuth BW (Deg.):	65	65
Elevation BW (Deg.):	7.5	7.5
Beam Tilt (Deg.):	0	0
Front-To-Back Ratio* (dB) :	40	40
VSWR :	<1.4:1	<1.4:1
Max. Input Power (Watts) :	500	500
Impedance (Ohms) :	50	50
Lightning Protection :	DC Ground	DC Ground

MECHANICAL

Weight :	17.6 kg (39 lb)
Dimensions (LxWxD) :	2,438 x 521 x 229 mm (96 x 20.5 x 9 in)
Max. Wind Area :	0.61 m ² (6.6 ft ²)
Max. Wind Load (@ 100 mph) :	1,619.0 N (364 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 :	DB380-3
Standard Downtilt Mounting Hardware :	DB5083D



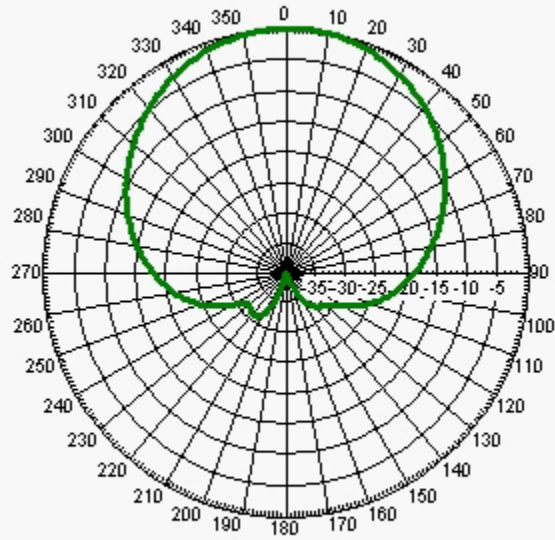


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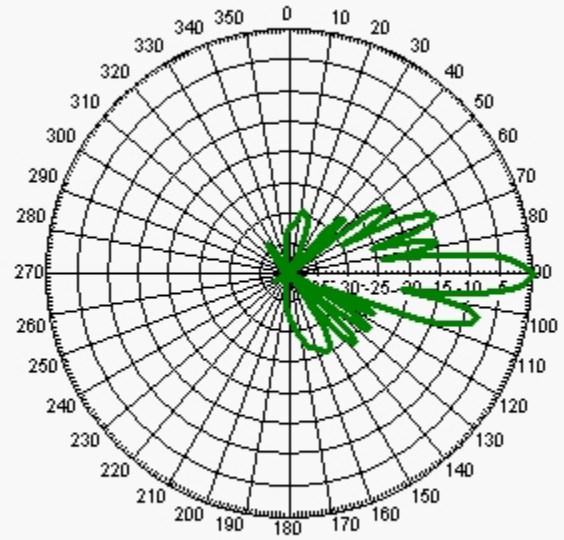
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AZIMUTH PATTERN



Freq: 880 MHz, Tilt: 0

ELEVATION PATTERN



Freq: 880 MHz, Tilt: 0