



DB844H90E-A

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) :	746 - 806
Polarization :	Vertical
Gain (dBd/dBi) :	12/14.1
Azimuth BW (Deg.):	90
Elevation BW (Deg.):	15
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

MECHANICAL

Weight :	4.5 kg (10 lb)
Dimensions (LxWxD) :	1,219 x 152 x 216 mm (48 x 6 x 8.5 in)
Max. Wind Area :	0.10 m ² (1.1 ft ²)
Max. Wind Load (@ 100 mph) :	262.4 N (59 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



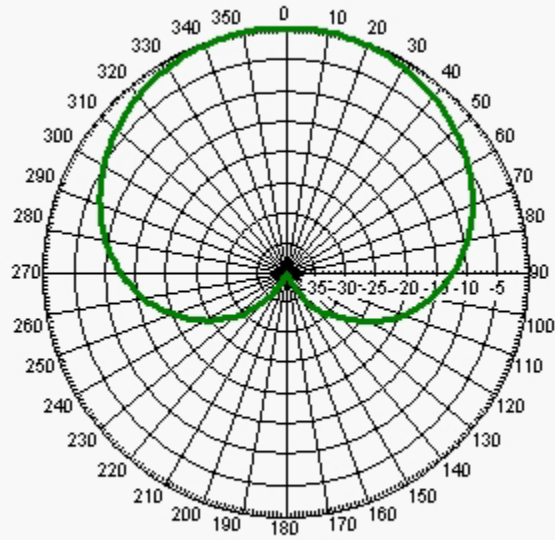


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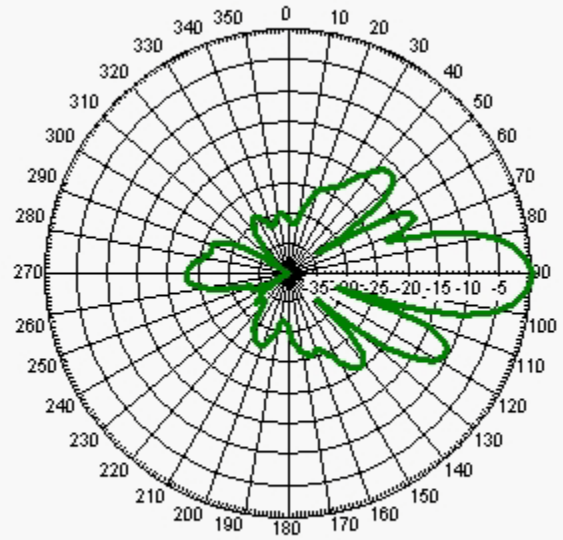
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AZIMUTH PATTERN



Freq: 770 MHz, Tilt: 0

ELEVATION PATTERN



Freq: 770 MHz, Tilt: 0