



DB844G45ZAXY

Directed Dipole Antenna

Decibel®
Base Station Antennas

- Exceptional azimuth roll-off, reducing sector-to-sector interference and softer hand-offs
- Air dielectric feed system, no screws, rivets, welds or solder in RF element feed path
- Strong upper side lobe suppression
- Low profile appearance and low wind loading for easier zoning approvals

ELECTRICAL

Frequency (MHz) :	806 - 896	870 - 960
Polarization :	Vertical	Vertical
Gain (dBd/dBi) :	14.6/16.7	15.1/17.2
Azimuth BW (Deg.):	45	45
Elevation BW (Deg.):	16	15
Beam Tilt (Deg.):	0	0
USLS* (dB) :	20	20
Front-To-Back Ratio* (dB) :	40	40
VSWR :	<1.33:1	<1.33:1
PIM3 @ 2 x 20w (dBc) :	-150	-150
Max. Input Power (Watts) :	500	500
Impedance (Ohms) :	50	50
Lightning Protection :	DC Ground	DC Ground

MECHANICAL

Weight :	7.7 kg (17 lb)
Dimensions (LxWxD) :	1,219 x 381 x 216 mm (48 x 15 x 8.5 in)
Max. Wind Area :	0.20 m ² (2.2 ft ²)
Max. Wind Load (@ 100 mph) :	533.7 N (120 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





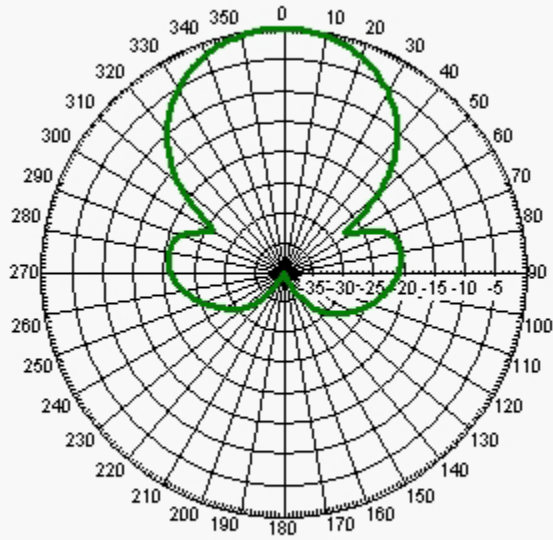
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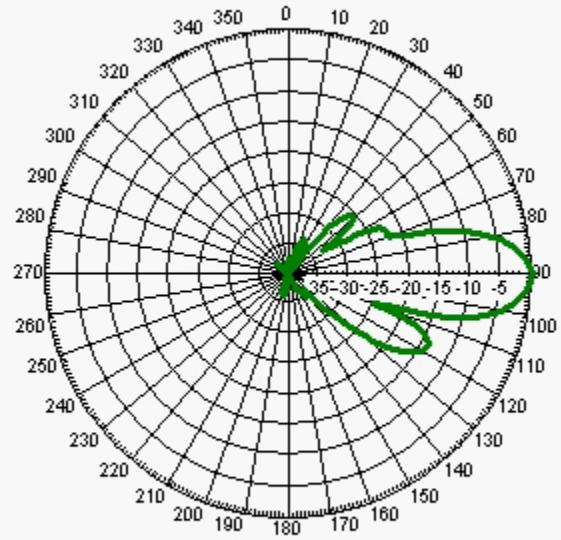
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AZIMUTH PATTERN

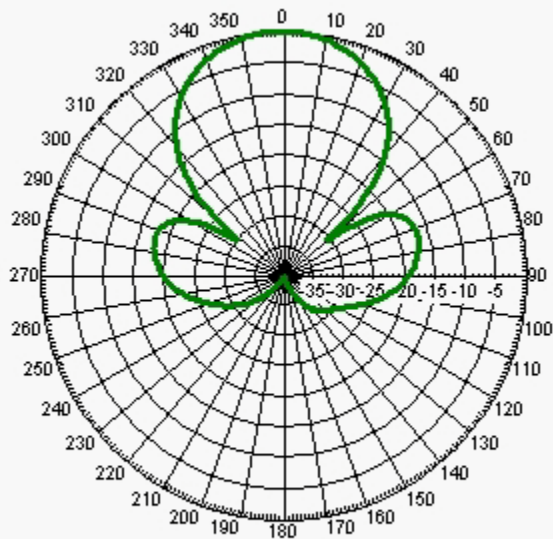
ELEVATION PATTERN



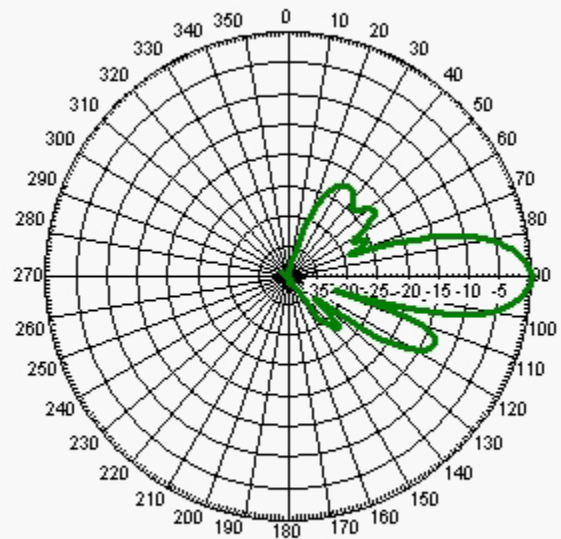
Freq: 850 MHz, Tilt: 0



Freq: 850 MHz, Tilt: 0



Freq: 920 MHz, Tilt: 0



Freq: 920 MHz, Tilt: 0