



DB846G90A-XY

Directed Dipole Antenna

DECIBEL®
Base Station Antennas

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

ELECTRICAL

Frequency (MHz) :	806 - 896	870 - 960
Polarization :	Vertical	Vertical
Gain (dBd/dBi) :	13.5/15.6	14/16.1
Azimuth BW (Deg.):	90	90
Elevation BW (Deg.):	13	13
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 :	6.9 kg (15.4 lb)
Dimensions (LxWxD) :	1,829 x 165 x 203 mm (72 x 6.5 x 8 in)
Max. Wind Area :	0.16 m ² (1.7 ft ²)
Max. Wind Load (@ 100 mph) :	425.2 N (95.6 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



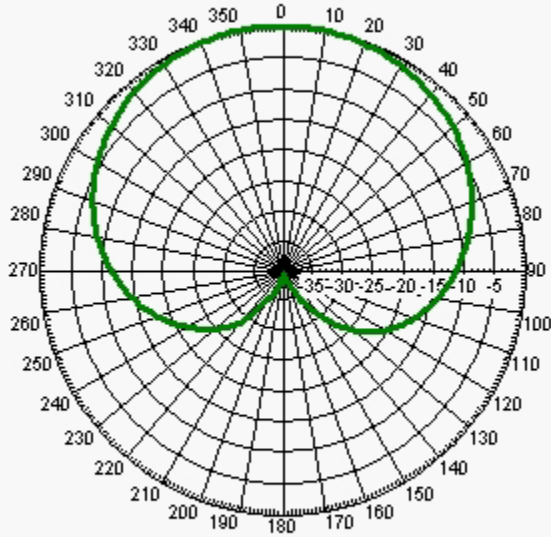
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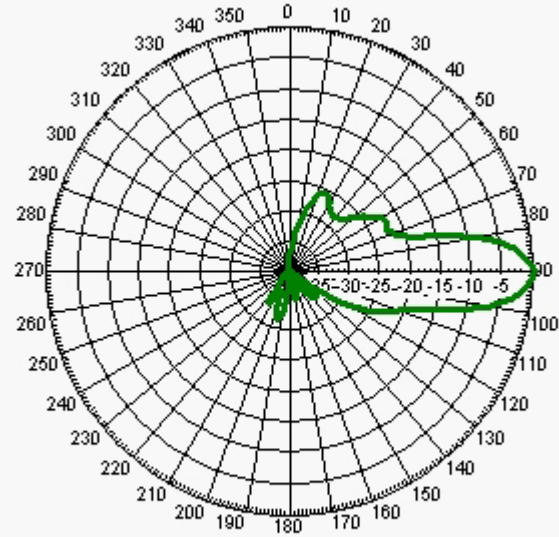
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AZIMUTH PATTERN

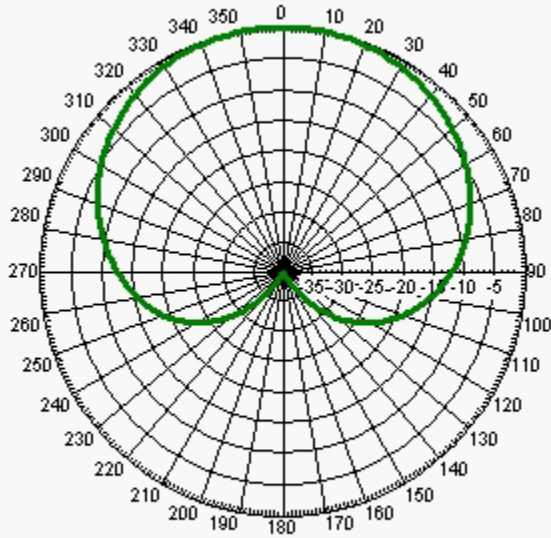
ELEVATION PATTERN



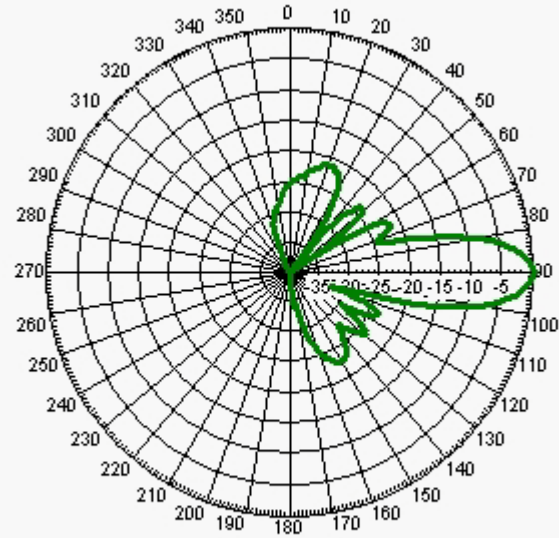
Freq: 850 MHz, Tilt: 0



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