



DB878G90A-XY

Panel Antenna

Decibel®
Base Station Antennas

- Air dielectric feed system featuring no screws, welds, solder or rivets in dipole feedpoint
- Low loss feed system provides improved gain per unit length
- Low noise due to superior intermodulation performance
- 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) :	14.6/16.7	15.3/17.4
Azimuth BW (Deg.):	90	90
Elevation BW (Deg.):	7	6.5
Beam Tilt (Deg.):	0	0
USLS* (dB) :	18	18
Front-To-Back Ratio* (dB) :	25	25
VSWR :	<1.3:1	<1.3:1
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 :	11.3 kg (25 lb)
Dimensions (LxWxD) :	2,438 x 267 x 114 mm (96 x 10.5 x 4.5 in)
Max. Wind Area :	0.32 m ² (3.4 ft ²)
Max. Wind Load (@ 100 mph) :	831.7 N (187 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





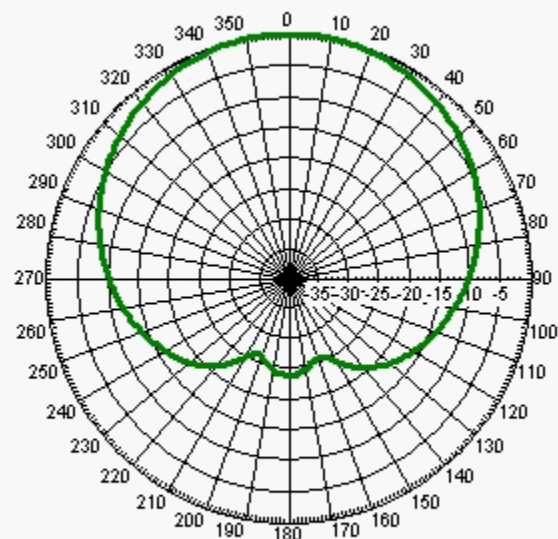
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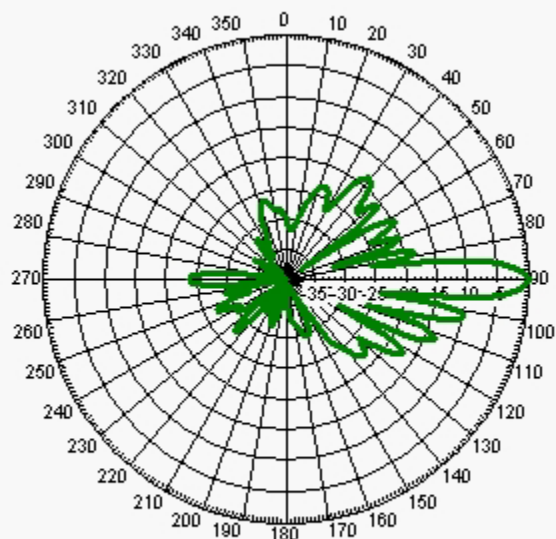
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AZIMUTH PATTERN

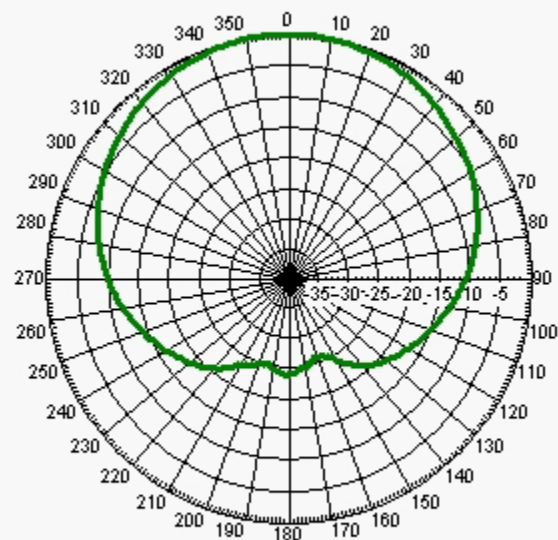
ELEVATION PATTERN



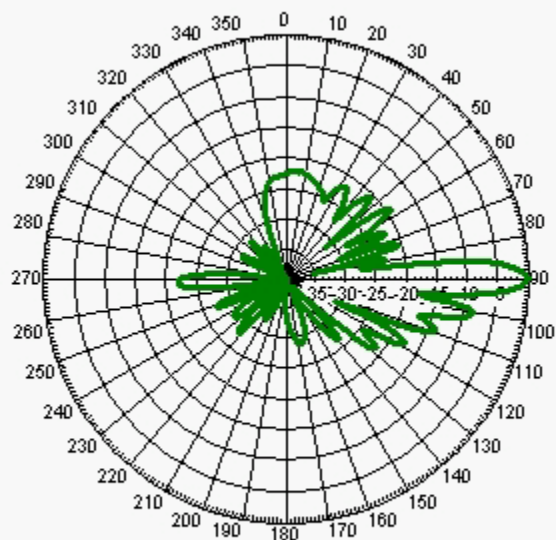
Freq: 840 MHz, Tilt: 0



Freq: 840 MHz, Tilt: 0



Freq: 950 MHz, Tilt: 0



Freq: 950 MHz, Tilt: 0