



# DB876G90A-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) :	13.5/15.6	13.9/16
Azimuth BW (Deg.):	90	90
Elevation BW (Deg.):	10	10
Beam Tilt (Deg.):	0	0
Front-To-Back Ratio* (dB) :	25	25
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



Weight :	9.5 kg (21 lb)
Dimensions (LxWxD) :	1,829 x 267 x 114 mm (72 x 10.5 x 4.5 in)
Max. Wind Area :	0.24 m <sup>2</sup> (2.6 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	631.6 N (142 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
WeatherShield™ Enclosure: (Must order separately)	AWE-A12



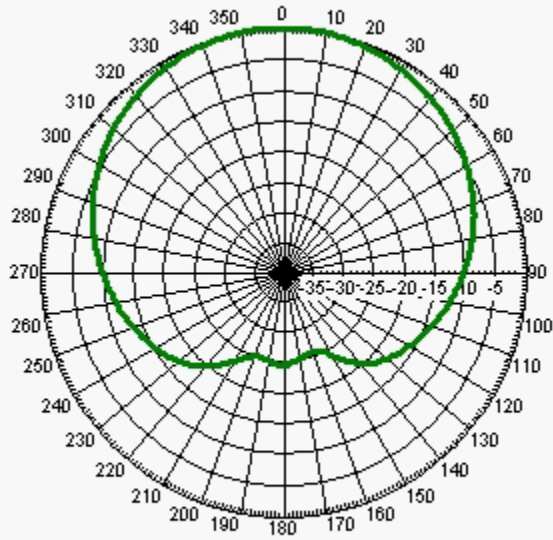
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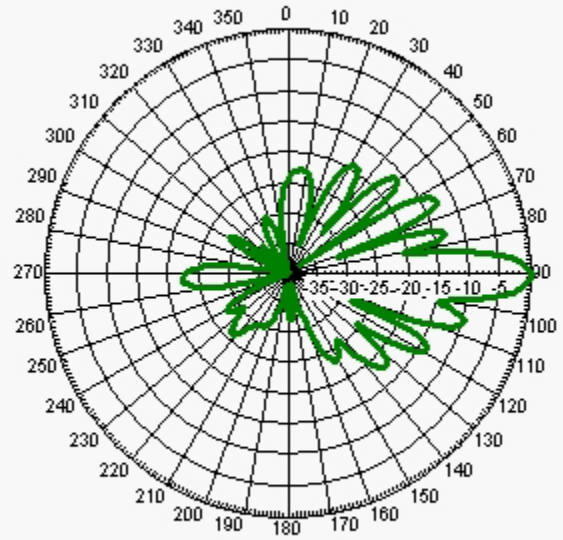
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## AZIMUTH PATTERN

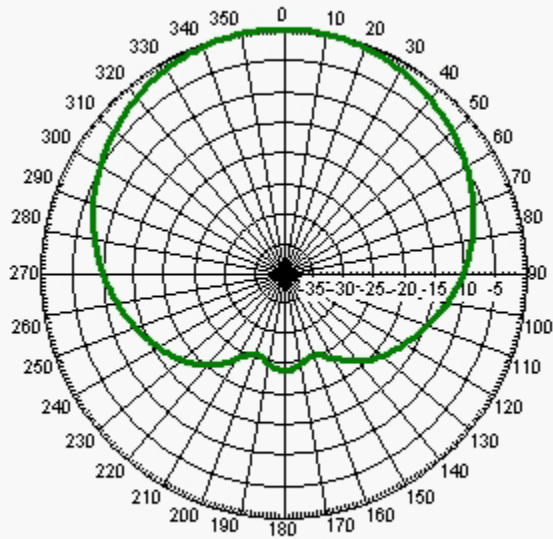
## ELEVATION PATTERN



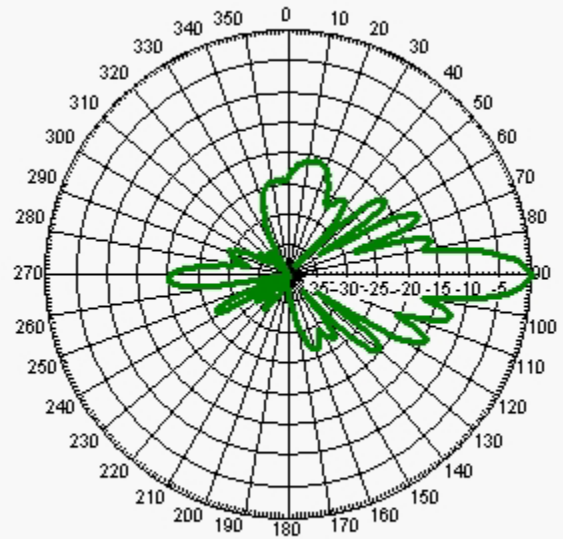
Freq: 850 MHz, Tilt: 0



Freq: 850 MHz, Tilt: 0



Freq: 940 MHz, Tilt: 0



Freq: 940 MHz, Tilt: 0