



# DB856DG65EXY

DualPol® Antenna

**Decibel®**  
Base Station Antennas

- Features air dielectric feed system for maximum array efficiency and lowest loss
- No fasteners, rivets, soldering or welding in critical element-to-transformer circuit
- Strong first upper side lobe suppression
- Excellent gain per unit length of antenna

## ELECTRICAL

Frequency (MHz) :	806 - 896	870 - 960
Polarization :	±45°	±45°
Gain (dBd/dBi) :	14.5/16.6	14.9/17
Azimuth BW (Deg.):	65	65
Elevation BW (Deg.):	10.5	10
Beam Tilt (Deg.):	0	0
USLS* (dB) :	18	18
Null Fill (dB) :	<20	<20
Front-To-Back Ratio* (dB) :	30	30
Isolation (dB) :	>30	>30
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 :	11.7 kg (26 lb)
Dimensions (LxWxD) :	1,829 x 318 x 140 mm (72 x 12.5 x 5.5 in)
Max. Wind Area :	0.27 m <sup>2</sup> (2.9 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	725.0 N (163 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (2, Bottom)
Color :	Light Gray
Standard Mounting Hardware :	DB380
Standard Downtilt Mounting Hardware :	DB5083



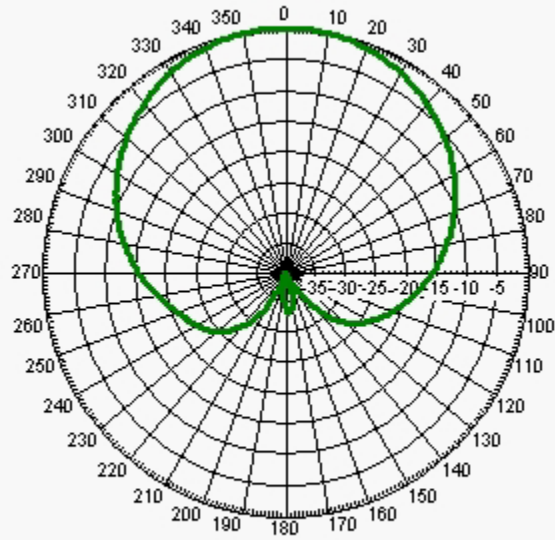
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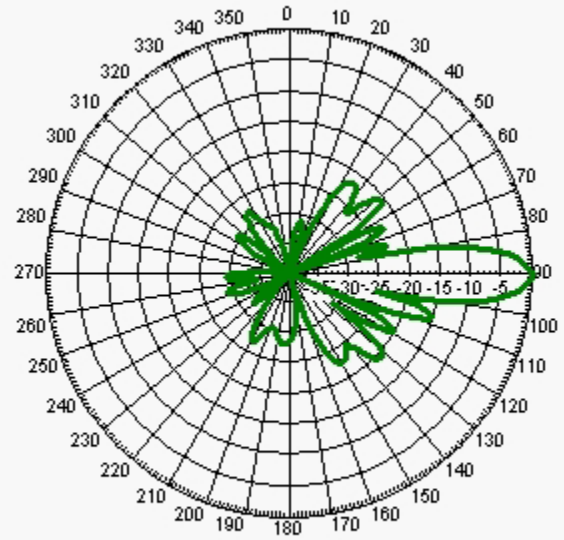
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## AZIMUTH PATTERN

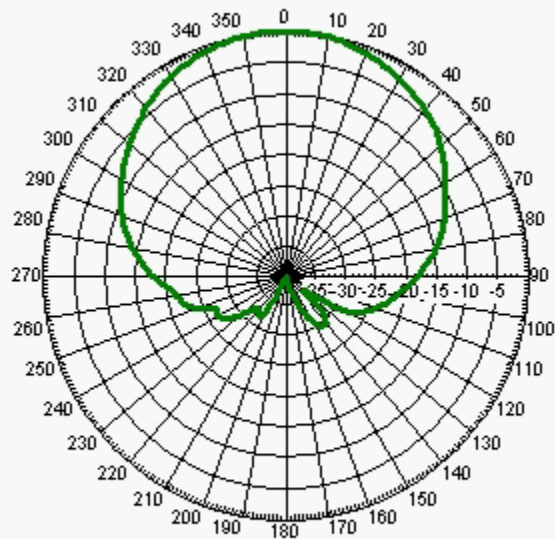
## ELEVATION PATTERN



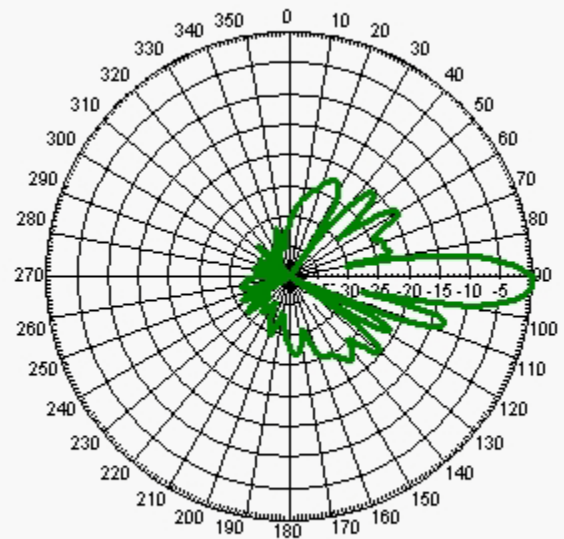
Freq: 850 MHz, Tilt: 0



Freq: 850 MHz, Tilt: 0



Freq: 940 MHz, Tilt: 0



Freq: 940 MHz, Tilt: 0