



# DB810KE-XC

Omni Antenna

**Decibel®**  
Base Station Antennas

- Omnidirectional coverage
- Rugged, durable construction, heavy duty radome for minimum tip deflection
- Lightning resistant, with large diameter conductor extending top to bottom
- Invert mountable

## ELECTRICAL

<b>Frequency (MHz) :</b>	824 - 896
<b>Polarization :</b>	Vertical
<b>Gain (dBd/dBi) :</b>	10/12.1
<b>Azimuth BW (Deg.):</b>	360
<b>Elevation BW (Deg.):</b>	6
<b>Beam Tilt (Deg.):</b>	0
<b>VSWR :</b>	<1.5:1
<b>Max. Input Power (Watts) :</b>	500
<b>Impedance (Ohms) :</b>	50
<b>Lightning Protection :</b>	DC Ground

## MECHANICAL

<b>Weight :</b>	16.3 kg (36 lb)
<b>Dimensions (LxUO) :</b>	4,420 x 76 mm (174 x 3 in)
<b>Max. Wind Area :</b>	0.16 m <sup>2</sup> (1.7 ft <sup>2</sup> )
<b>Max. Wind Load (@ 100 mph) :</b>	418.1 N (94 lbf)
<b>Max. Wind Speed :</b>	201 km/h (125 mph)
<b>Hardware Material :</b>	Galvanized Steel
<b>Connector Type :</b>	7-16 DIN - Female (1, Bottom)
<b>Color :</b>	Horizon Blue
<b>Standard Mounting Hardware :</b>	DB5091-3



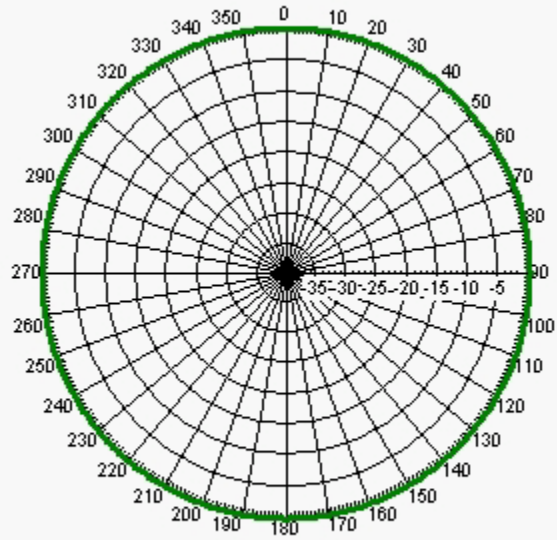


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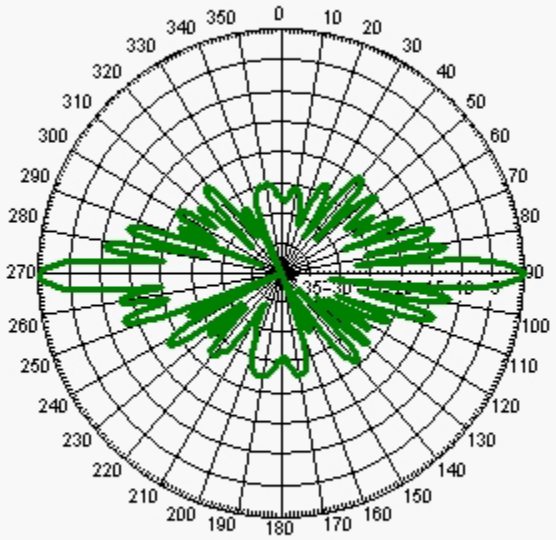
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## AZIMUTH PATTERN



Freq: 835 MHz, Tilt: 0

## ELEVATION PATTERN



Freq: 835 MHz, Tilt: 0