



# DB810E-PS

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

Frequency (MHz) :	746 - 869
Polarization :	Vertical
Gain (dBd/dBi) :	10/12.1
Azimuth BW (Deg.):	360
Elevation BW (Deg.):	6
Beam Tilt (Deg.):	0
VSWR :	<1.5:1
Max. Input Power (Watts) :	500
Impedance (Ohms) :	50
Lightning Protection :	DC Ground

## MECHANICAL

Weight :	17.2 kg (38 lb)
Dimensions (LxOD) :	4,496 x 76 mm (177 x 3 in)
Max. Wind Area :	0.17 m <sup>2</sup> (1.8 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	444.8 N (100 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Bottom)
Color :	Light Gray
Standard Mounting Hardware :	DB5091-3





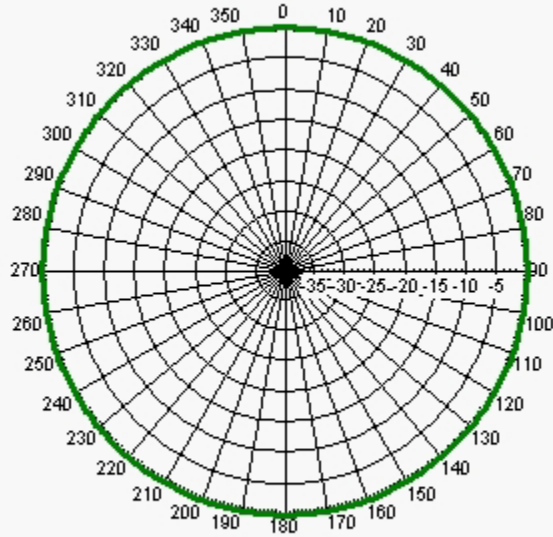
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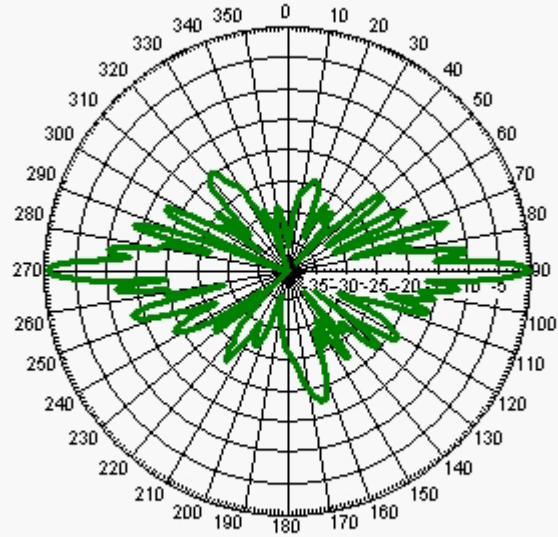
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## AZIMUTH PATTERN

## ELEVATION PATTERN



Freq: 820 MHz, Tilt: 0



Freq: 820 MHz, Tilt: 0