



DB809KE-XT

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) : | 806 - 869 |
| Polarization : | Vertical |
| Gain (dBd/dBi) : | 9/11.1 |
| Azimuth BW (Deg.): | 360 |
| Elevation BW (Deg.): | 8 |
| Beam Tilt (Deg.): | 0 |
| VSWR : | <1.5:1 |
| Max. Input Power (Watts) : | 500 |
| Impedance (Ohms) : | 50 |
| Lightning Protection : | DC Ground |

MECHANICAL

| | |
|------------------------------|--|
| Weight : | 12.2 kg (27 lb) |
| Dimensions (LxOD) : | 3,734 x 76 mm (147 x 3 in) |
| Max. Wind Area : | 0.14 m ² (1.5 ft ²) |
| Max. Wind Load (@ 100 mph) : | 364.7 N (82 lbf) |
| Max. Wind Speed : | 362 km/h (225 mph) |
| Hardware Material : | Galvanized Steel |
| Connector Type : | 7-16 DIN - Female (1, Bottom) |
| Color : | Horizon Blue |
| Standard Mounting Hardware : | DB5091-3 |





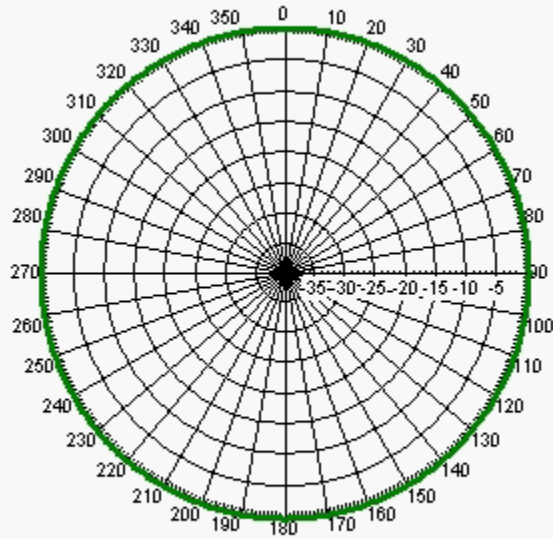
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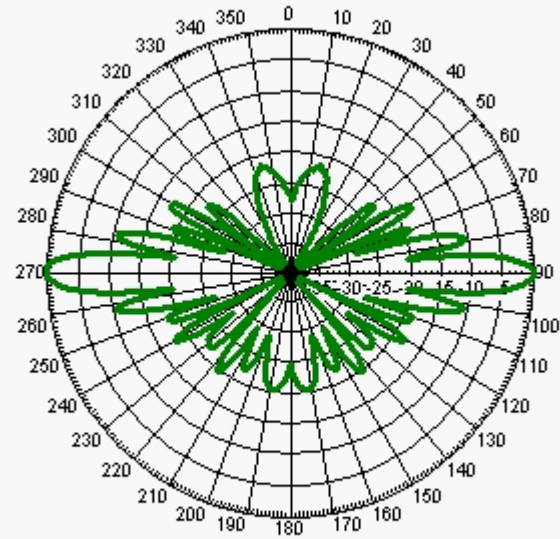
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AZIMUTH PATTERN

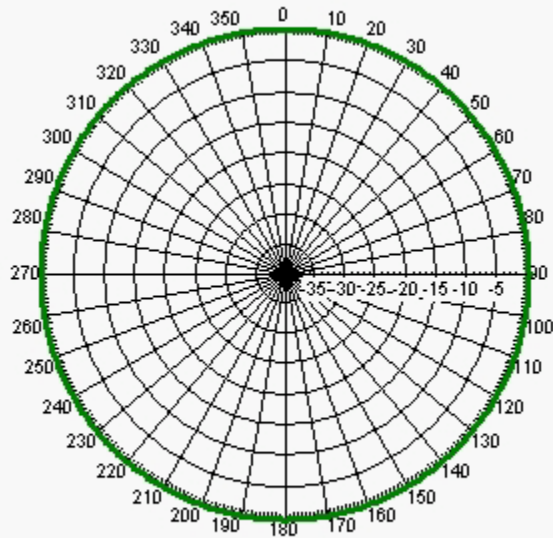
ELEVATION PATTERN



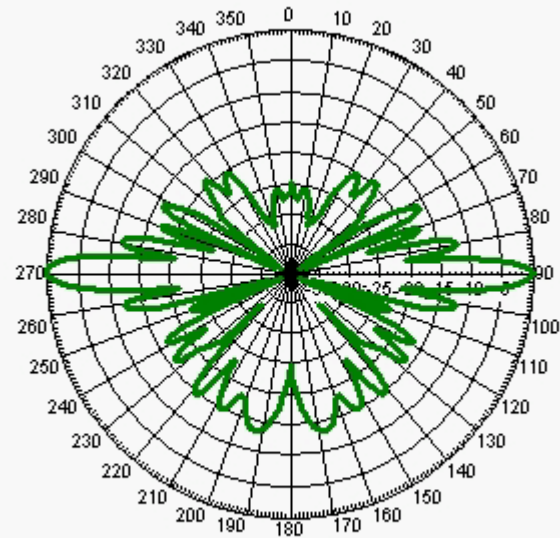
Freq: 815 MHz, Tilt: 0



Freq: 815 MHz, Tilt: 0



Freq: 860 MHz, Tilt: 0



Freq: 860 MHz, Tilt: 0