



DB616-AB

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) :	150 - 164
Polarization :	Vertical
Gain (dBd/dBi) :	5.5/7.6
Azimuth BW (Deg.):	360
Elevation BW (Deg.):	18
Beam Tilt (Deg.):	0
VSWR :	<1.5:1
Max. Input Power (Watts) :	500
Impedance (Ohms) :	50
Lightning Protection :	DC Ground

MECHANICAL

Weight :	23.1 kg (51 lb)
Dimensions (LxUO) :	6,223 x 89 mm (245 x 3.5 in)
Max. Wind Area :	0.32 m ² (3.4 ft ²)
Max. Wind Load (@ 100 mph) :	604.9 N (136 lbf)
Max. Wind Speed :	257 km/h (160 mph)
Hardware Material :	Galvanized Steel
Connector Type :	UHF Female (1, Bottom)
Color :	Horizon Blue
Standard Mounting Hardware :	DB5087-3



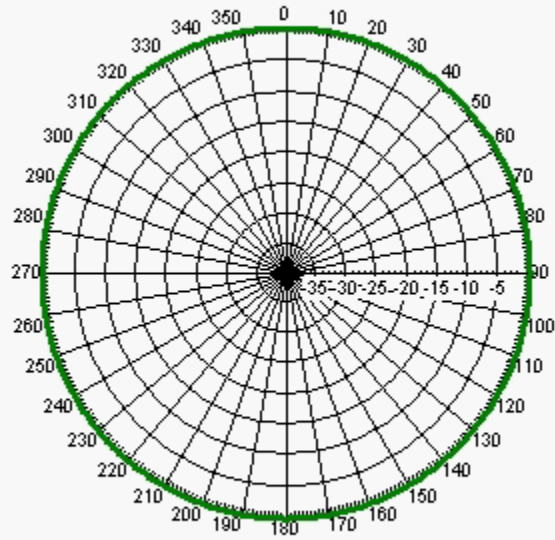


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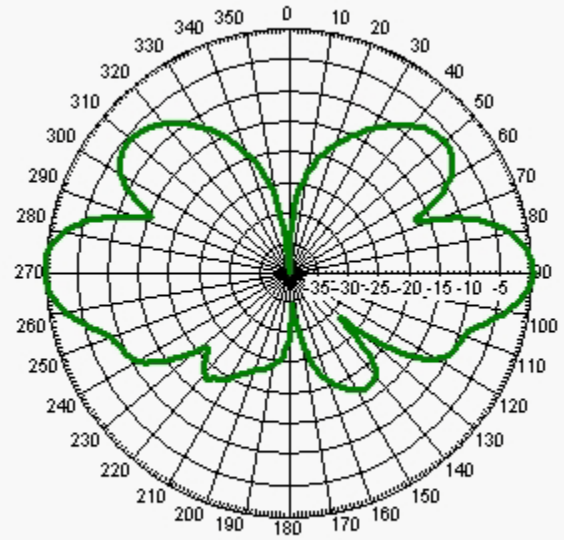
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AZIMUTH PATTERN



Freq: 155 MHz, Tilt: 0

ELEVATION PATTERN



Freq: 155 MHz, Tilt: 0