



844G80VTA-SX

Directed Dipole Antenna

Decibel®
Base Station Antennas

- Field adjustable electrical downtilt, featuring linear phase shifter, no wheels or gears
- Excellent azimuth pattern shaping, 15-20% reduction in cell-to-cell overlap
- Outstanding first upper side lobe suppression
- Air dielectric feed system, no screws, rivets, welds or solder in RF element feed path

ELECTRICAL

Frequency (MHz) :	806 - 896
Polarization :	Vertical
Gain (dBd/dBi) :	12.5/14.6
Azimuth BW (Deg.):	80
Elevation BW (Deg.):	16
Beam Tilt (Deg.):	0-16
USLS* (dB) :	15
Front-To-Back Ratio* (dB) :	35
VSWR :	<1.4:1
PIM3 @ 2 x 20w (dBc) :	-145
Max. Input Power (Watts) :	500
Impedance (Ohms) :	50
Lightning Protection :	DC Ground



Weight :	5.2 kg (11.5 lb)
Dimensions (LxWxD) :	1,219 x 165 x 203 mm (48 x 6.5 x 8 in)
Max. Wind Area :	0.09 m ² (1 ft ²)
Max. Wind Load (@ 100 mph) :	235.7 N (53 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Back)
Color :	Light Gray
Standard Mounting Hardware :	DB380
Mounting Hardware :	DB5083

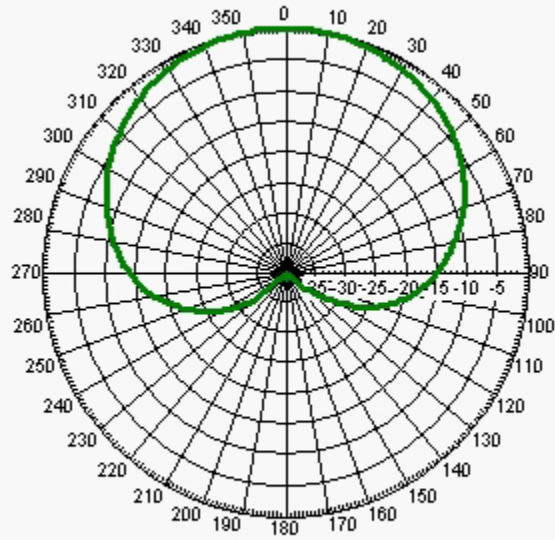


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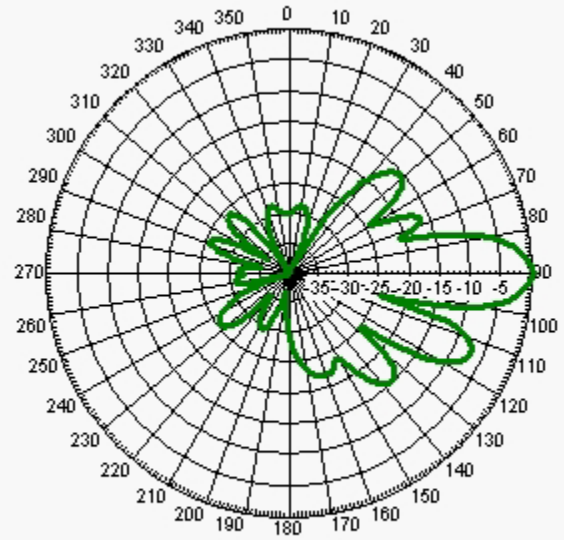
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AZIMUTH PATTERN



Freq: 846 MHz, Tilt: 0

ELEVATION PATTERN



Freq: 846 MHz, Tilt: 0