



774G80V1ESXM

Dual Band Panel Antenna

DECIBEL®
Base Station Antennas

- Features air dielectric feed system for maximum array efficiency and lowest loss
- No fasteners, rivets, soldering or welding in critical element-to-transformer circuit
- Strong first upper side lobe suppression
- Excellent gain per unit length of antenna

ELECTRICAL

Frequency (MHz) :	806 - 896	1850 - 1990
Polarization :	Vertical	Vertical
Gain (dBd/dBi) :	12/14.1	14.2/16.3
Azimuth BW (Deg.):	80	80
Elevation BW (Deg.):	15	8
Beam Tilt (Deg.):	0-10	2
USLS* (dB) :	>17	>17
Front-To-Back Ratio* (dB) :	25	25
Isolation (dB) :	>30	>30
VSWR :	<1.4:1	<1.4:1
PIM3 @ 2 x 20w (dBc) :	-150	-150
Max. Input Power (Watts) :	500	250
Impedance (Ohms) :	50	50
Lightning Protection :	DC Ground	DC Ground



MECHANICAL

Weight :	9.5 kg (21 lb)
Dimensions (LxWxD) :	1,219 x 330 x 140 mm (48 x 13 x 5.5 in)
Max. Wind Area :	0.30 m ² (3.2 ft ²)
Max. Wind Load (@ 100 mph) :	791.7 N (178 lbf)
Max. Wind Speed :	201 km/h (125 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (2, Bottom)
Color :	Light Gray
Standard Mounting Hardware :	DB380
Standard Downtilt Mounting Hardware :	DB5083



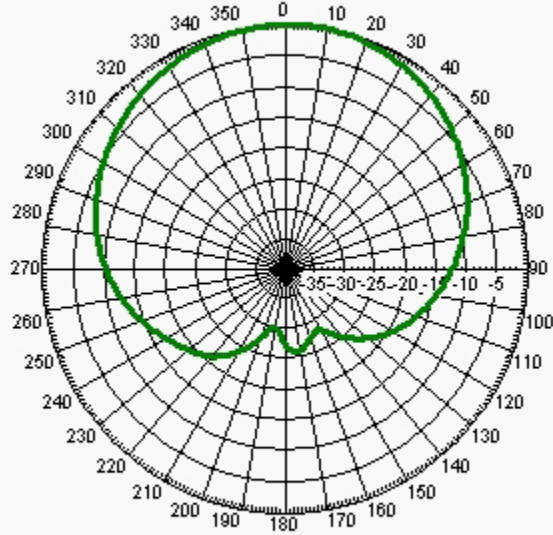
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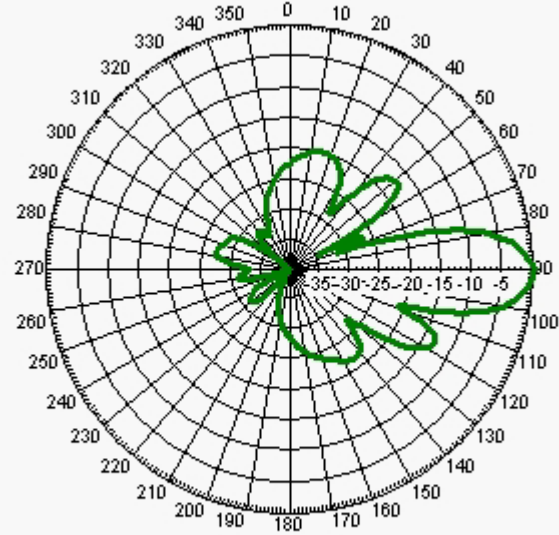
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AZIMUTH PATTERN

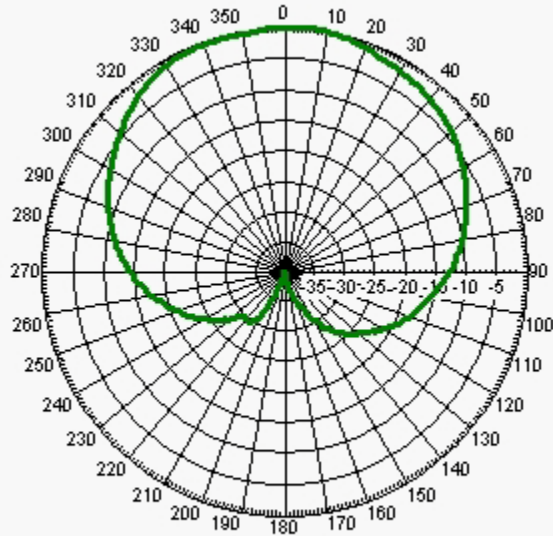
ELEVATION PATTERN



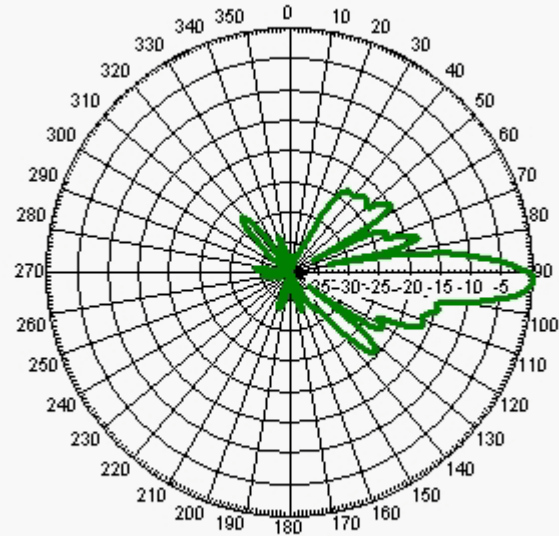
Freq: 850 MHz, Tilt: 0



Freq: 850 MHz, Tilt: 0



Freq: 1960 MHz, Tilt: 2



Freq: 1960 MHz, Tilt: 2