



# RR45-14-05DBL2

DualPol® Antenna

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- Narrow azimuth beamwidth with fast roll-off for special applications
- Heavy upper side lobe suppression for minimal adjacent cell site interference
- Patented DualPol radiating element technology
- Stress free mechanical design for thermal expansion strain relief between radome and tray

## ELECTRICAL

Frequency (MHz) :	806 - 941
Polarization :	±45°
Gain (dBd/dBi) :	14/16.1
Azimuth BW (Deg.):	45
Elevation BW (Deg.):	15
Beam Tilt (Deg.):	5
USLS* (dB) :	18
Front-To-Back Ratio* (dB) :	28
Isolation (dB) :	>25
VSWR :	<1.35:1
PIM3 @ 2 x 20w (dBc) :	-150
Max. Input Power (Watts) :	500
Impedance (Ohms) :	50
Lightning Protection :	Chassis

## MECHANICAL

Weight :	11.5 kg (25.5 lb)
Dimensions (LxWxD) :	1,219 x 381 x 165 mm (48 x 15 x 6.5 in)
Max. Wind Area :	0.21 m <sup>2</sup> (2.3 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	578.2 N (130 lbf)
Max. Wind Speed :	209 km/h (130 mph)
Hardware Material :	Steel Zinc Plated
Connector Type :	7-16 DIN - Female (2, Back)
Color :	Off White
Standard Mounting Hardware :	MTG-P00-20S
Standard Downtilt Mounting Hardware :	MTG-D15-20S



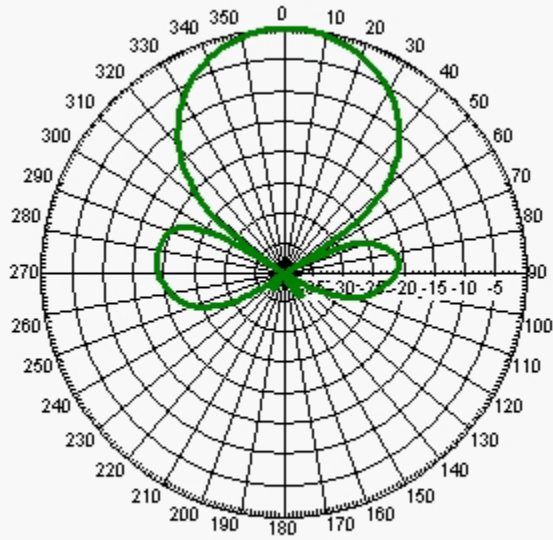


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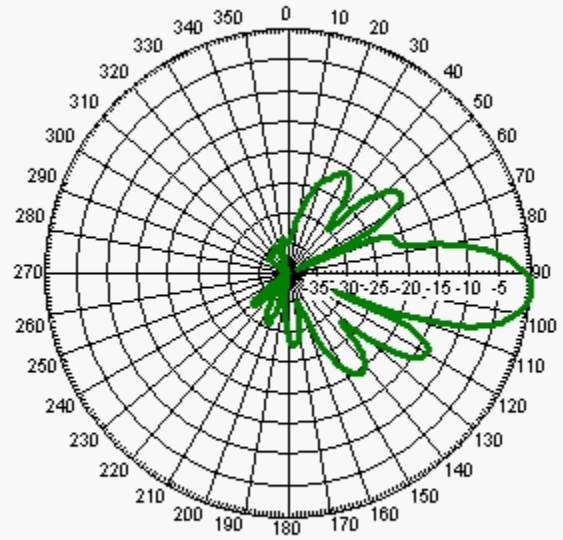
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## AZIMUTH PATTERN



Freq: 850 MHz, Tilt: 5

## ELEVATION PATTERN



Freq: 850 MHz, Tilt: 5