



# FV90-12-10DBL2

Panel Antenna

**Base Station Antenna**

- Designed for maximum gain as well as beam shaping properties
- Deep null filling and Upper Sidelobe Suppression for unique installations
- Bandwidth optimal for superior electrical specifications
- Stress free mechanical design for thermal expansion strain relief between radome and tray

## ELECTRICAL

Frequency (MHz) :	806 - 941
Polarization :	Vertical
Gain (dBd/dBi) :	11.8/13.9
Azimuth BW (Deg.):	90
Elevation BW (Deg.):	12
Beam Tilt (Deg.):	10
USLS* (dB) :	18
Front-To-Back Ratio* (dB) :	26
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) :	1,829 x 305 x 178 mm (72 x 12 x 7 in)
Max. Wind Area :	0.28 m <sup>2</sup> (3 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	760.6 N (171 lbf)
Max. Wind Speed :	209 km/h (130 mph)
Hardware Material :	Steel Zinc Plated
Connector Type :	7-16 DIN - Female (1, Back)
Color :	Off White
Standard Mounting Hardware :	MTG-P00-20S
Standard Downtilt Mounting Hardware :	MTG-D15-20S



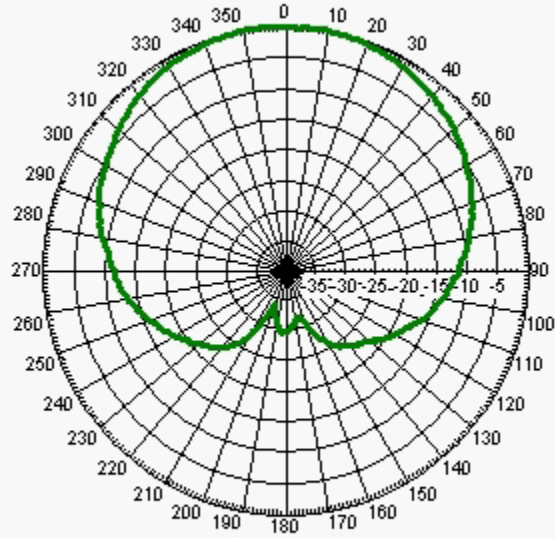


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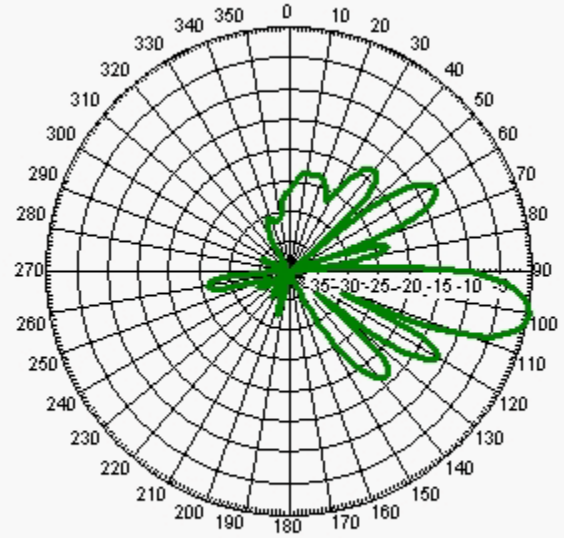
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## AZIMUTH PATTERN



Freq: 850 MHz, Tilt: 10

## ELEVATION PATTERN



Freq: 850 MHz, Tilt: 10