



FR90-16-02DP

DualPol® Antenna

DualPol®

- Heavy null filling on lower nulls on elevation beam for optimal coverage close in to tower
- Designed for maximum gain along with beam shaping considerations
- Patented DualPol radiating element technology
- Stress free mechanical design for thermal expansion strain relief between radome and tray

ELECTRICAL

Frequency (MHz) :	1850 - 1990
Polarization :	±45°
Gain (dBd/dBi) :	13.1/15.2
Azimuth BW (Deg.):	90
Elevation BW (Deg.):	7
Beam Tilt (Deg.):	2
Front-To-Back Ratio* (dB) :	34
Isolation (dB) :	>30
VSWR :	<1.35:1
PIM3 @ 2 x 20w (dBc) :	-150
Max. Input Power (Watts) :	250
Impedance (Ohms) :	50
Lightning Protection :	Chassis

MECHANICAL

Weight :	6.1 kg (13.5 lb)
Dimensions (LxWxD) :	1,422 x 203 x 71 mm (56 x 8 x 2.8 in)
Max. Wind Area :	0.15 m ² (1.6 ft ²)
Max. Wind Load (@ 100 mph) :	409.2 N (92 lbf)
Max. Wind Speed :	241 km/h (150 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



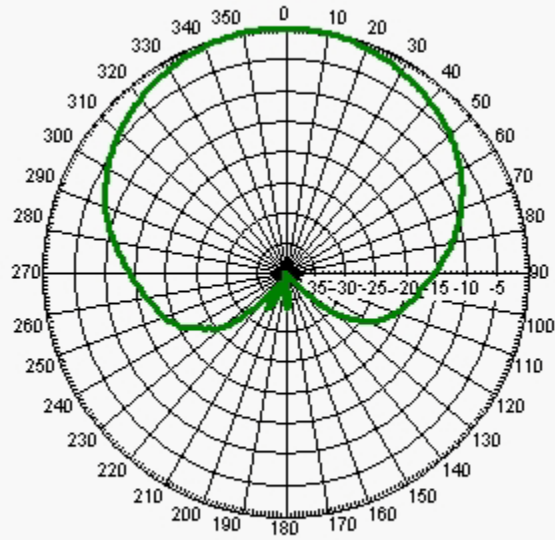


FR90-16-02DP

DualPol® Antenna

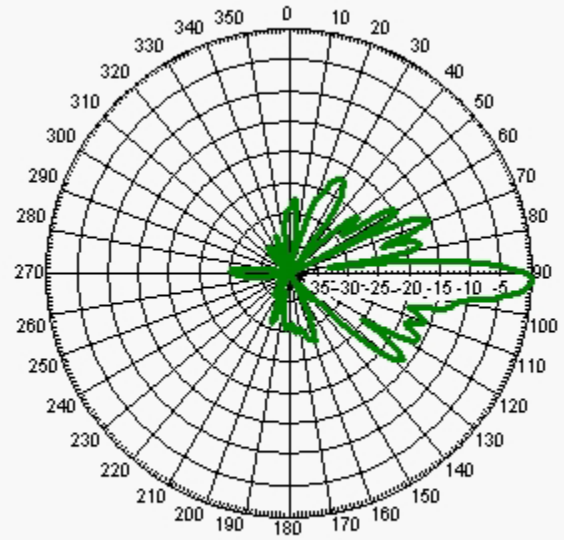
DualPol®

AZIMUTH PATTERN



Freq: 1920 MHz, Tilt: 2

ELEVATION PATTERN



Freq: 1920 MHz, Tilt: 2