



ANT-2009

S-Band 120° Spatial Diversity/Cross Polarized MIMO Sector Antenna

Features

- ▶ Two independent cross polarized (X-Pol) antenna arrays within one enclosure
- ▶ Spatial diversity
- ▶ All weather operation
- ▶ Heavy duty steel mounting bracket with easy elevation and tilt adjustment
- ▶ Spatial diversity/X-Pol feed system - (4) N-Female connectors



Specifications

Frequency	2.4 - 2.5 GHz
Gain	12 dBi
VSWR	< 1.5:1 avg.
Polarization	±45°
Horizontal Beam Width	120°
Vertical Beam Width	16.5°
Impedance	50 Ohm
Front to Back Ratio	> 23 dB
Port to Port Isolation	> 28 dB
Upper Sidelobe Suppression	> 15 dB
Max. Input Power	100W
Lightning Protection	DC Ground
Connectors	(4) N-Female (2 for each X-Pol antenna array)
Weight (Including Bracket)	9.2 lbs. 4.2 kg
Dimensions	20.1 x 11.2 x 3.3 in. 51.2 x 28.5 x 8.5 mm
Radome Material	UV-inhibited Polymer
Radome Color	Light Grey
Mount Mast Size (Dia.)	1.6 - 2.4 in. 4 - 6 cm
Operating Temperature	-40°C to +60°C -40°F to 140°F
RoHS Compliant	Yes

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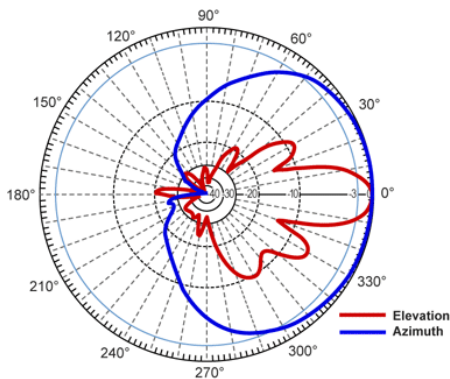
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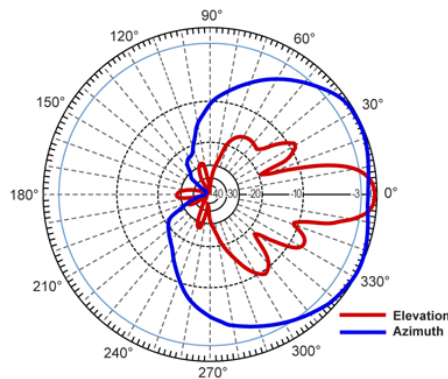
Wind Loading Data

Wind Speed (MPH)	Loading – Front	Loading – Side
100	80 lbs.	23 lbs.
125	126 lbs.	37 lbs.

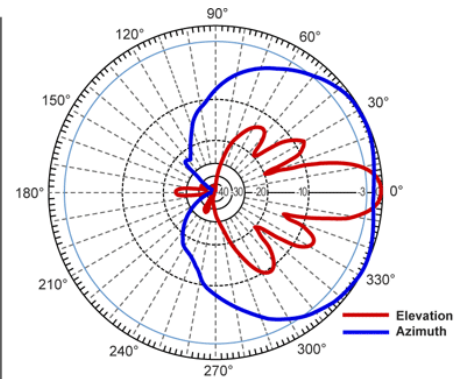
Antenna Patterns



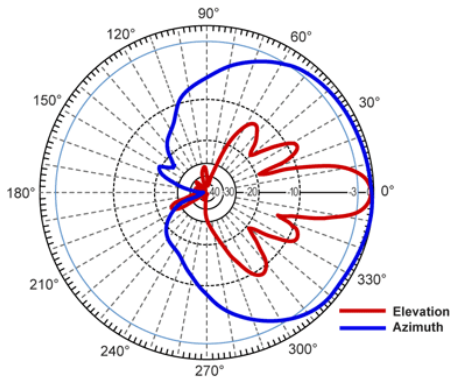
+45° - 2400 MHz



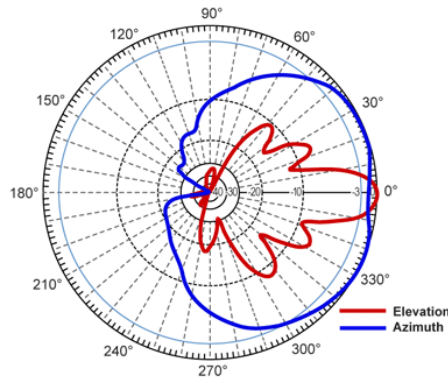
+45° - 2450 MHz



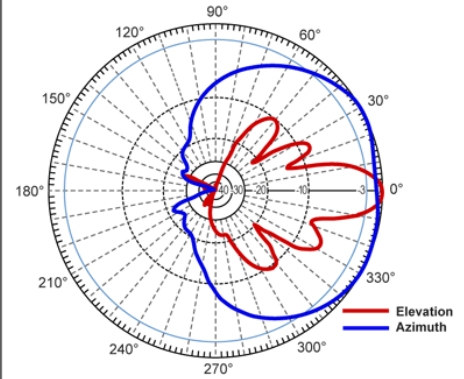
+45° - 2500 MHz



-45° - 2400 MHz



-45° - 2450 MHz



-45° - 2500 MHz

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