Part # 1009-025
2x2 MIMO 90° Sector Antenna, Slant Polarized, 2.2 - 2.5 GHz, 15 dBi Gain

Overview

Southwest Antennas Part # 1009-025 is a 2x2 MIMO 90° sector antenna that operates over the 2.2 - 2.5 GHz S-Band and has 15 dBi gain. The rugged construction and UV stable housing makes this antenna suitable for use outdoors in harsh environments. Elevation angle downtilt can be adjusted between 0 and -10 degrees with the included pole mounting kit.

Features

- 2-Input 2x2 MIMO 90° Sector Antenna
- Precise Sectorial Coverage
- Slant Polarized Design:
    - 1x 45° Slant Left
    - 1x 45° Slant Right
- 2.2 - 2.5 GHz
- 15 dBi Gain
- 50 W Power Handling
- White UV Stable Kydex Radome
- 0 to -10° Adjustable Elevation Angle Downtilt
- Includes Pole Mounting Kit for 1" - 2" Pole Diameter
- 2x Type-N(f) RF Connectors
- Optional Integrated RF Filters

Applications:

- 2x2 MIMO / MANET Radio Networks
- Infrastructure Base Stations
- Planned City Wide / Urban Area Mesh Radio Networks
- Rapid Deploy Networks for Event Management and
- Security
- Point-to-Point Back Haul MIMO Radio Links
- Emergency Management & Public Safety

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Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Directional Antenna		
Frequency Band	S		
Impedance	50	Ohms	
Minimum Frequency	2.2 / 2,200	GHz / MHz	
Maximum Frequency	2.5 / 2,500	GHz / MHz	
Frequency Bandwidth	0.3 / 300	GHz / MHz	
Maximum VSWR	<2:1		
Maximum Gain	15	dBi	
Polarization	Slant R/L		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	90	Degrees	
Vertical (EL) Beamwidth	8	Degrees	
Color	White, UV Stable		
Mount Style	1" to 2" Pole Mounting Kit with 0 to -10° Elevation Downtilt Adjustment		
Maximum Wind Velocity	100 / 161	mph / kph	
RF Connector Type	Type-N(f)		
Antenna Operating Temp Range	-40 to +60	C	
Product Length	36.000 / 914.400	inches / mm	
Product Width	7.000 / 177.800	inches / mm	
Product Height	3.500 / 88.900	inches / mm	
Product Weight	10.60 / 4.81	lbs / kg	

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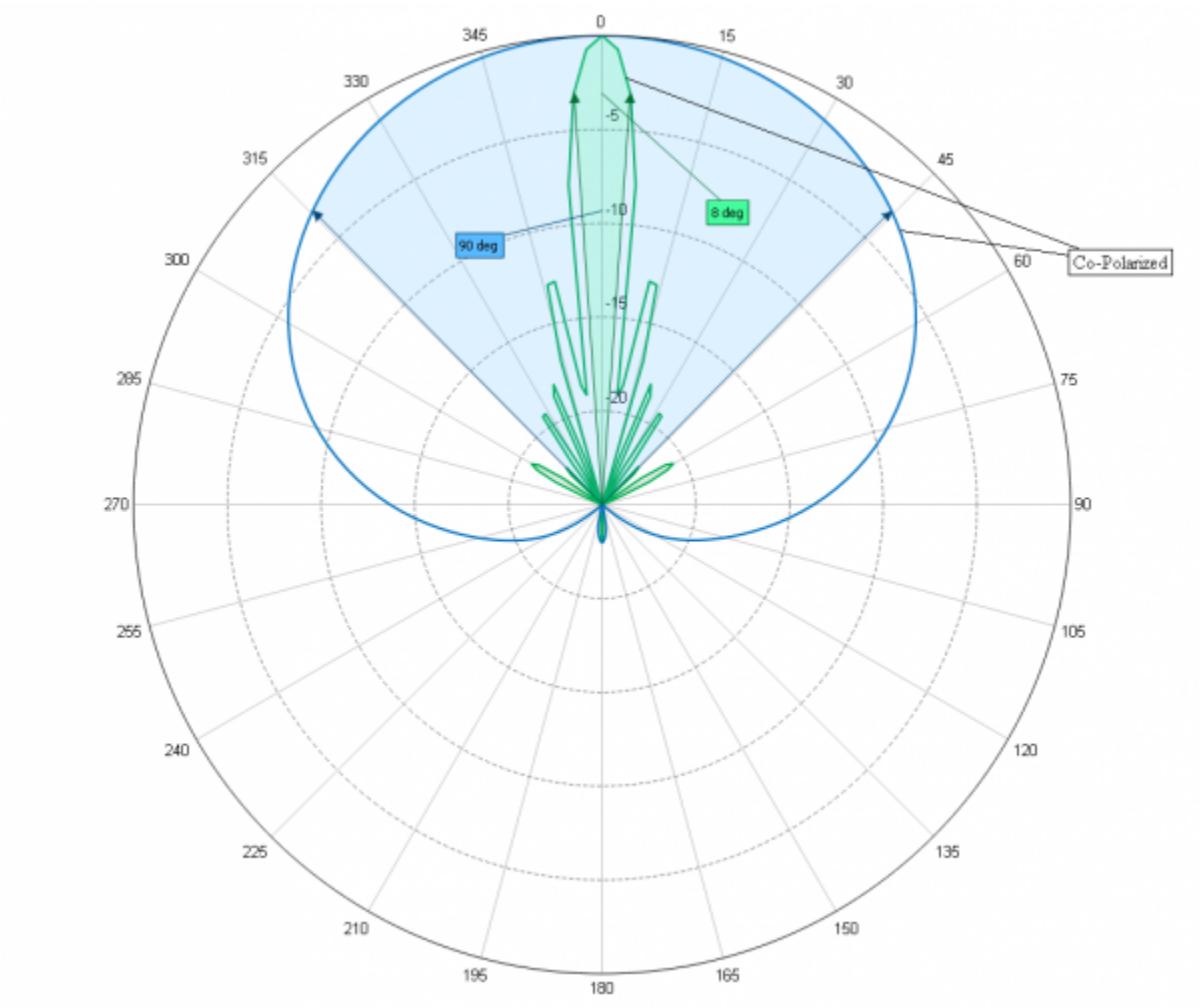

Azimuth (Blue) & Elevation (Green) Patterns Referenced to +15 dBi

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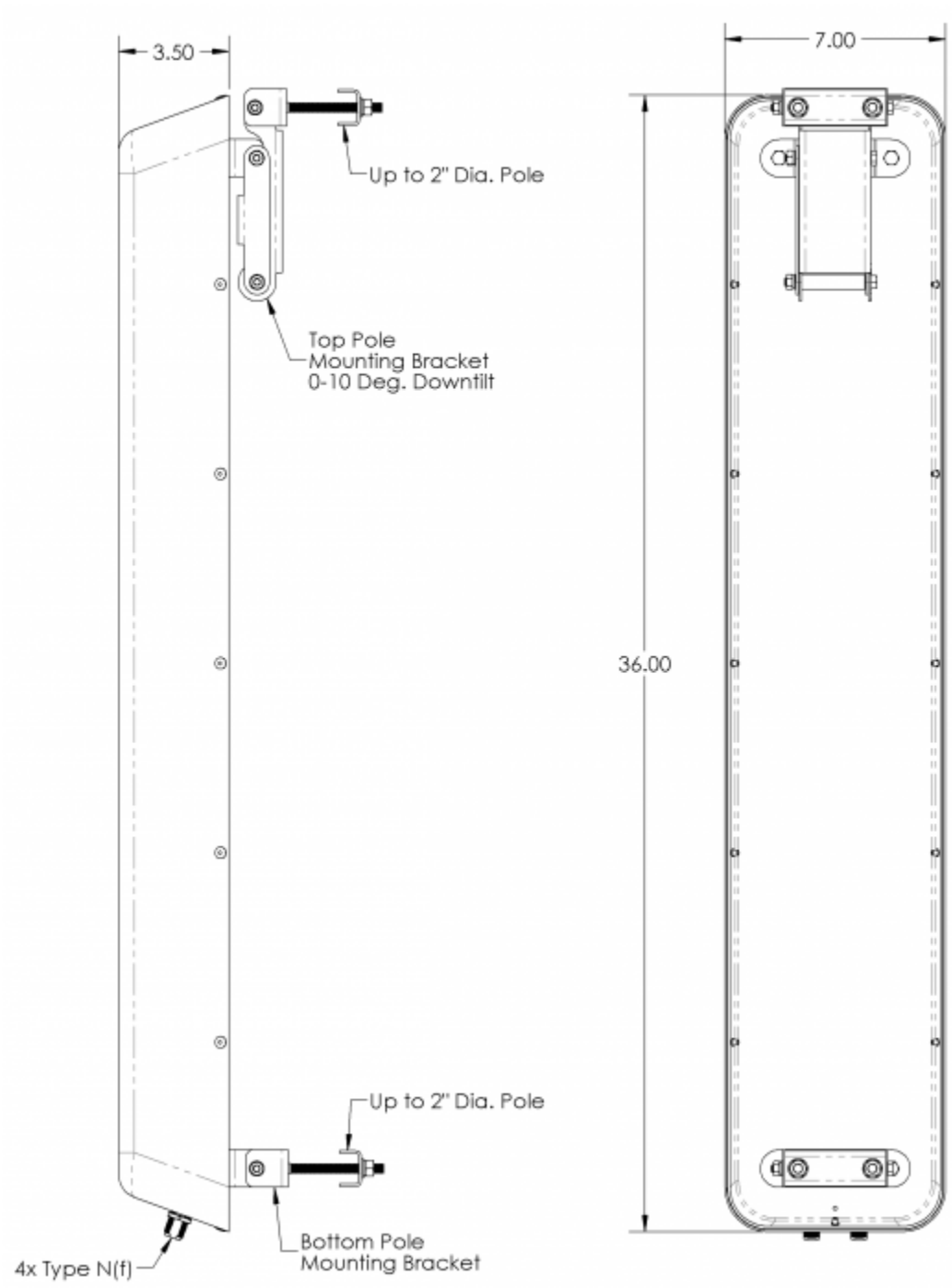

Engineering Drawing

All dimensions are in inches

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