

Overview

Southwest Antennas Part # 1009-026 is a 4x4 MIMO 90° sector antenna that operates over the 4.4 - 5.0 GHz C-Band and has 16 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 -15 degrees with the included pole mounting kit.

Features

- 4-Input 4x4 MIMO 90° Sector Antenna
- Precise Sectorial Coverage
- Slant Polarized Design:
 - 2x 45° Slant Left
 - 2x 45° Slant Right
- 4.4 - 5.0 GHz
- 16 dBi Gain
- 50 W Power Handling
- White UV Stable Kydex Radome
- 0 to -15° Adjustable Elevation Angle Downtilt
- Includes Pole Mounting Kit for 1" - 2" Pole Diameter
- 4x Type-N(f) RF Connectors
- Optional Integrated RF Filters

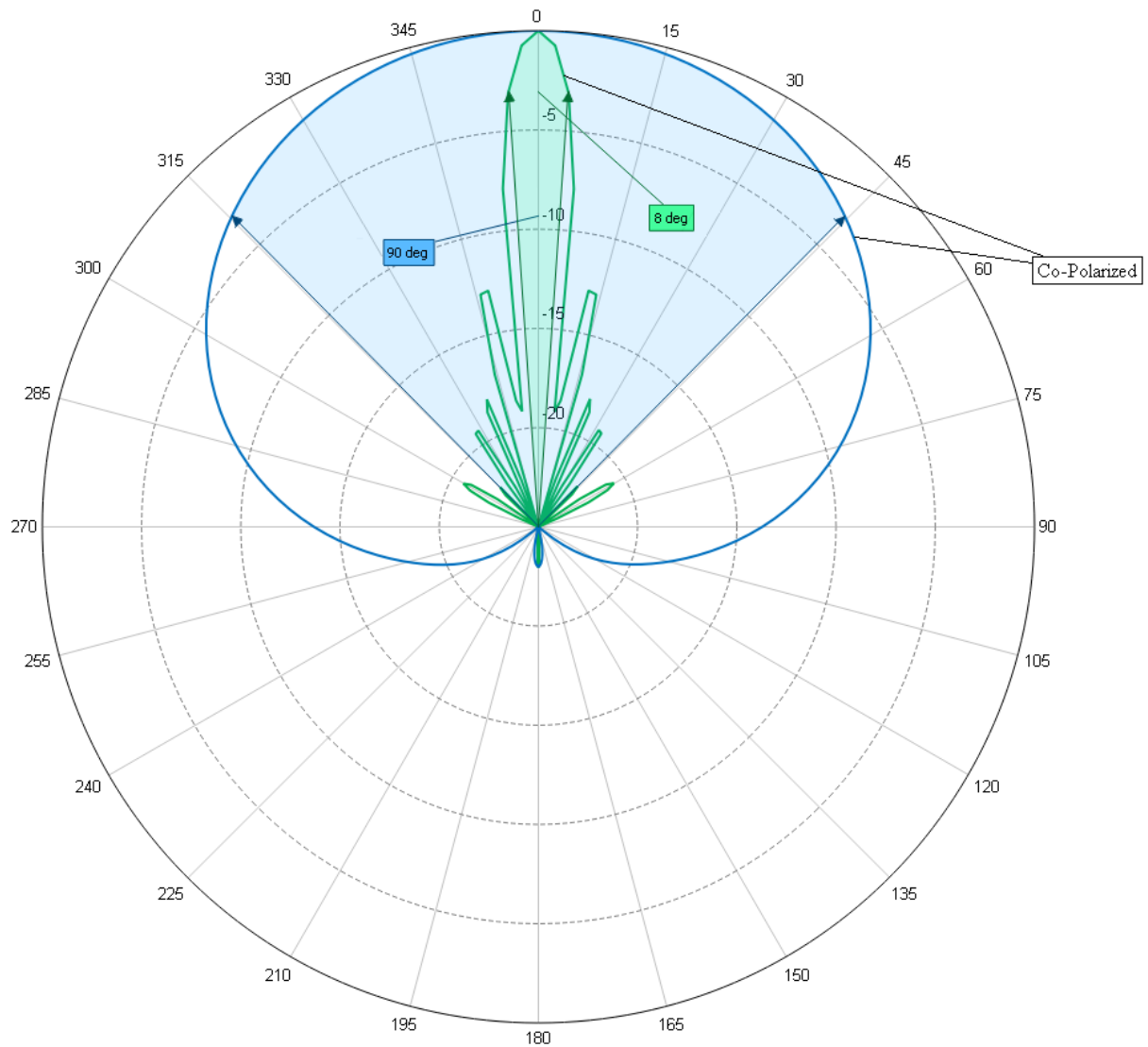
Applications:

- 4x4 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

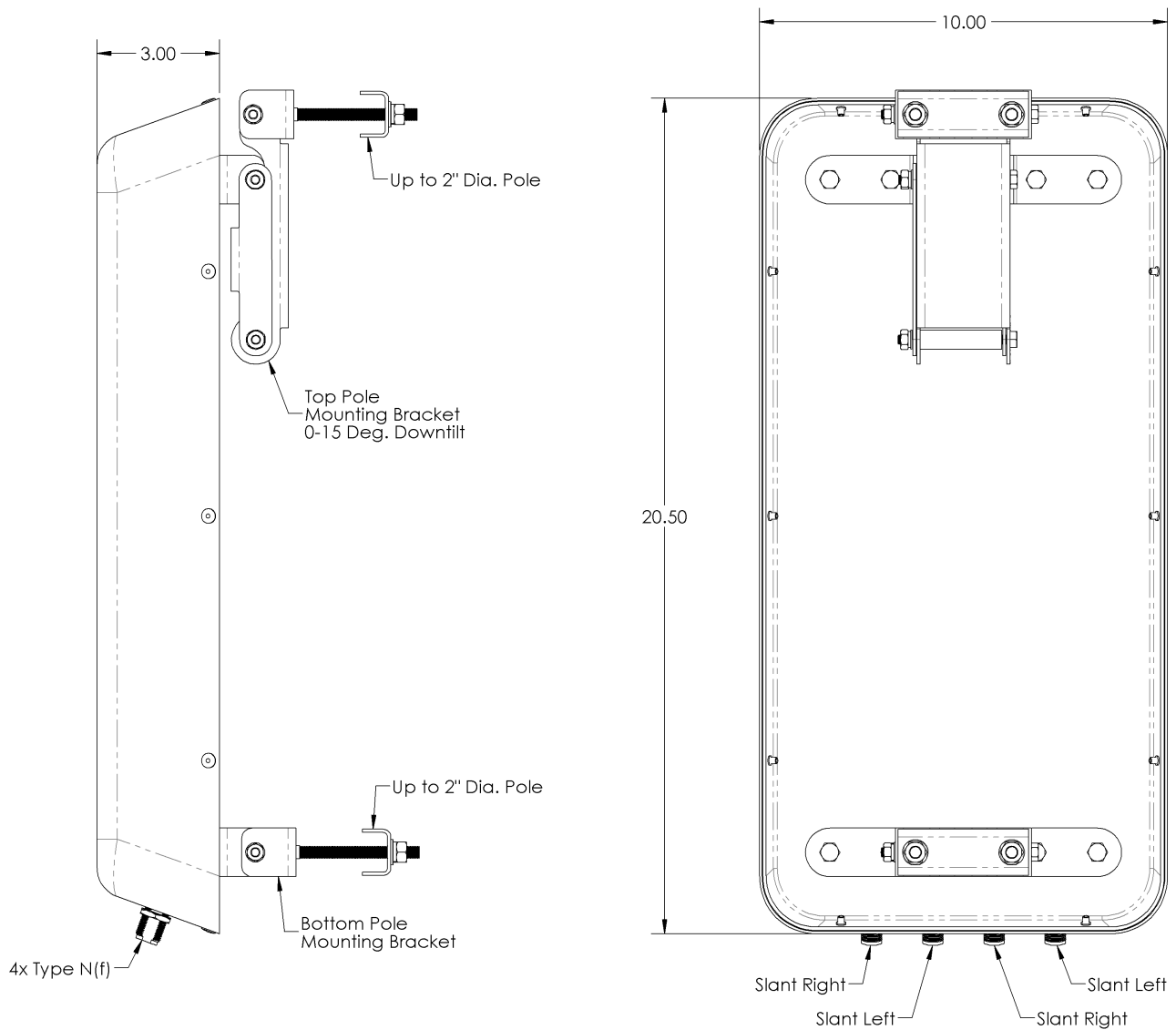


Product Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Directional Antenna		
Frequency Band	C		
Impedance	50		
Minimum Frequency	4.4 / 4,400	GHz / MHz	
Maximum Frequency	5.0 / 5,000	GHz / MHz	
Frequency Bandwidth	0.6 / 600	GHz / MHz	
Maximum VSWR	<2:1		
Maximum Gain	16.00	dBi	
Polarization	Slant R/L		
Color	White UV Stable Kydex		
Maximum RF Input Power	50	Watts	Per Port
Horizontal AZ Beamwidth	90	Degrees	
Vertical EL Beamwidth	8	Degrees	
Ground Plane Required	No		
Mount Style	1" to 2" Pole Mounting Kit with 0 to -15° Elevation Downtilt Adjustment		
Maximum Wind Velocity	161	kph	
RF Connector Type	Type-N(f)		
Operating Temperature Range	-40 to +65	C	
Product Length	20.5 / 520.7	inches / mm	
Product Width	10.0 / 254.0	inches / mm	
Product Height	3.0 / 76.2	inches / mm	
Product Weight	6.00 / 2.72	lbs / kg	



Azimuth (Blue) & Elevation (Green) Patterns Referenced to +16 dBi



Engineering Drawing

All dimensions are in inches