

Overview

Southwest Antennas Part # 1055-315 is a three port panel antenna designed for use with 3x3 MIMO radio systems and operates from 2.1 - 2.5 GHz. This antenna features a unique three element configuration with one vertically polarized antenna, one slant left antenna, and one slant right antenna for enhanced polarization and spatial diversity, and offers 60° of azimuth and elevation beamwidth per element. Multiple mounting options allow for positioning on poles, walls, windows, or other structures.

Features:

- 3 Independent MIMO Antennas:
 - 1 Slant Right
 - 1 Vertical
 - 1 Slant Left
- Enhanced Polarization & Spatial Diversity
- 2.1 - 2.5 GHz
- 10.0 dBi Gain (-10.0 dBi Cross-Polarized)
- 3x Type-N(f) RF Connectors
- 3 Mounting Options:
 - Suction Cup Mount
 - Pole Mount
 - Wall Mount

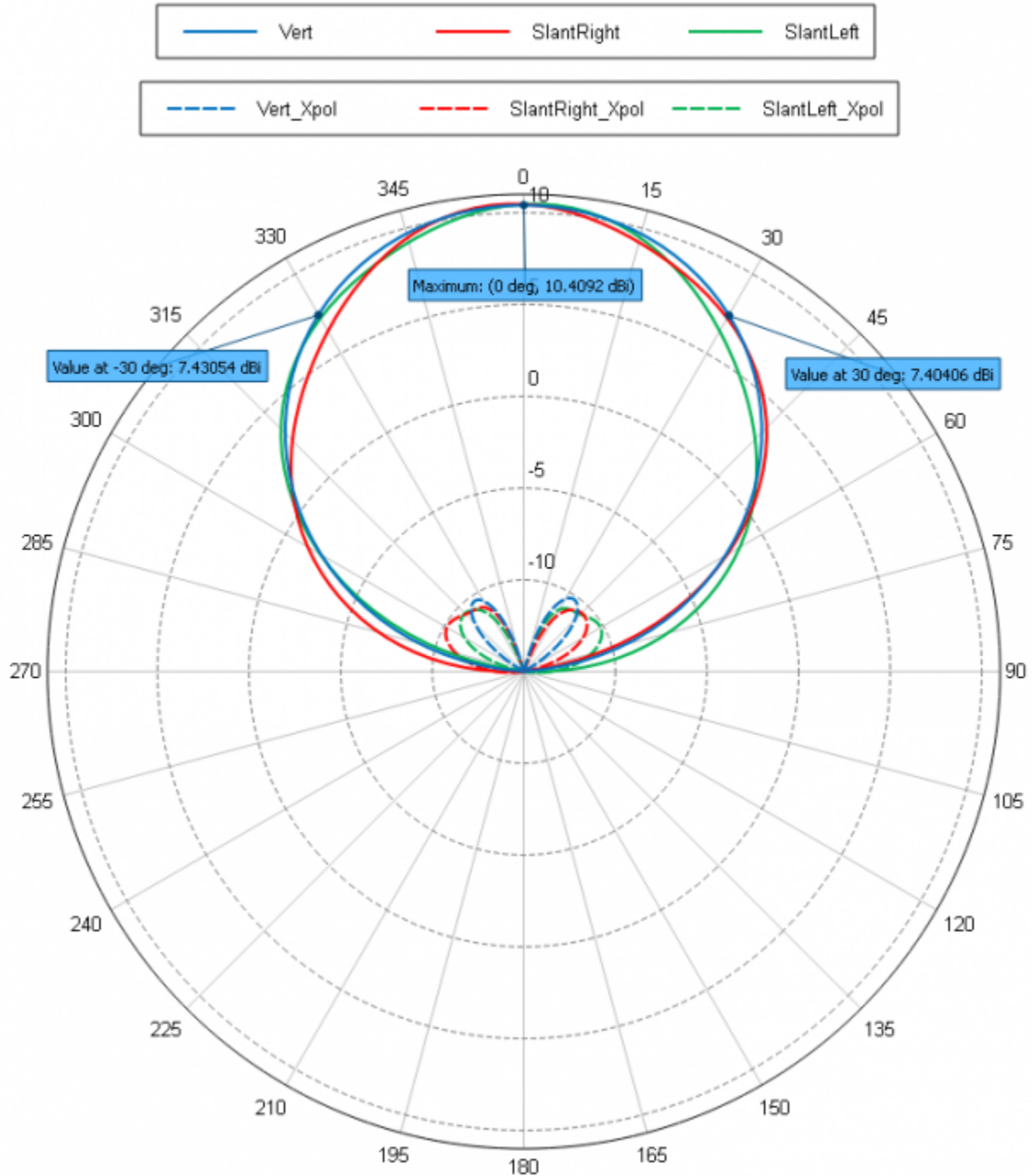
Mounting Options:

- Part # 1070-039, 1.0" - 2.0" OD Pole & Tower Mounting Bracket Assembly
- Part # 1070-040, 2.0" - 4.0" OD Pole & Tower Mounting Bracket Assembly

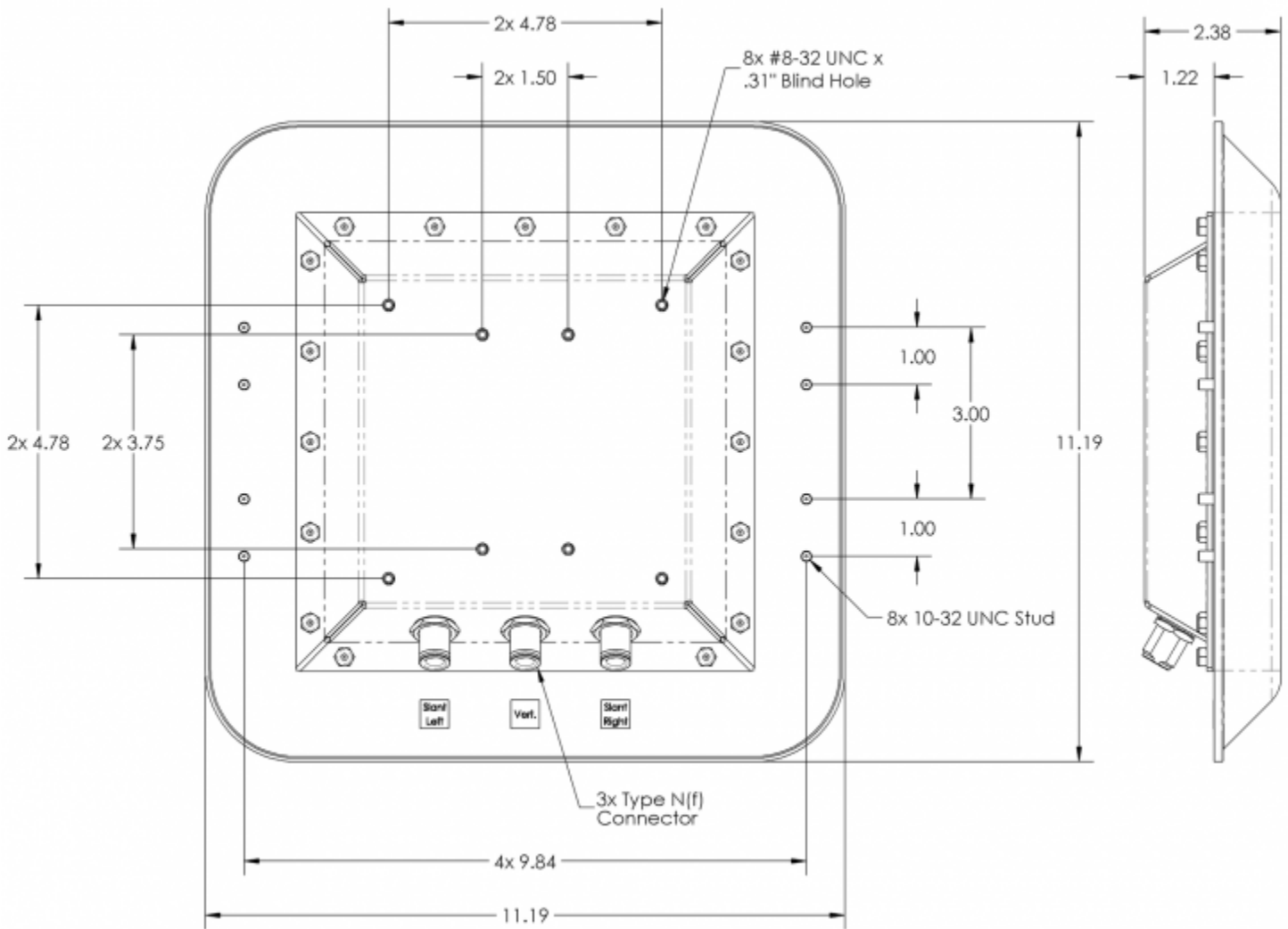


Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Directional Antenna		
Frequency Band	S		
Impedance	50	Ohms	
Minimum Frequency	2.1 / 2,100	GHz / MHz	
Maximum Frequency	2.5 / 2,500	GHz / MHz	
Frequency Bandwidth	0.4 / 400	GHz / MHz	
Maximum VSWR	1.5:1	Ratio	
Maximum Gain	10	dBi	(-10 dBi cross-polarized)
Polarization	Slant R/L & Vertical		
Horizontal (AZ) Beamwidth	60	Degrees	Per Element
Vertical (EL) Beamwidth	60	Degrees	Per Element
Ground Plane Required	No		
Radome Material	Polycarbonate		
Color	White		
Mount Style	Suction Cup Mount, Pole Mount, or Wall Mount		
Mounting Holes or Studs	8x 8-32 UNC x .31" Blind Holes, and 8x 10-32 UNC Stud		
RF Connector Type	Type-N(f)		
Product Length	11.190 / 284.226	inches / mm	
Product Width	11.190 / 284.226	inches / mm	
Product Height	2.380 / 60.452	inches / mm	
Product Weight	2.50 / 1.13	lbs / kg	Estimated



Vertical, Slant Left, & Slant Right Horizontal & Vertical Patterns
 Referenced to +11 dBi



Engineering Drawing

All dimensions are in inches