

Overview

Southwest Antennas Part # 1055-266 is a four port panel antenna designed for use with 4x4 MIMO radio systems and operates from 2.1 - 2.5 GHz. This antenna features a unique slant left and slant right antenna element configuration, each offset by 90° 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:

- 4 Independent MIMO Antennas:
 - 2 each Slant Right
 - 2 each Slant Left
- Enhanced Polarization & Spatial Diversity
- 2.1 - 2.5 GHz
- 10.3 dBi Gain (-10.0 dBi Cross-Polarized)
- 4x Type-N(f) RF Connectors
- 3 Mounting Options:
 - Suction Cup Mount
 - Pole Mount
 - Wall Mount

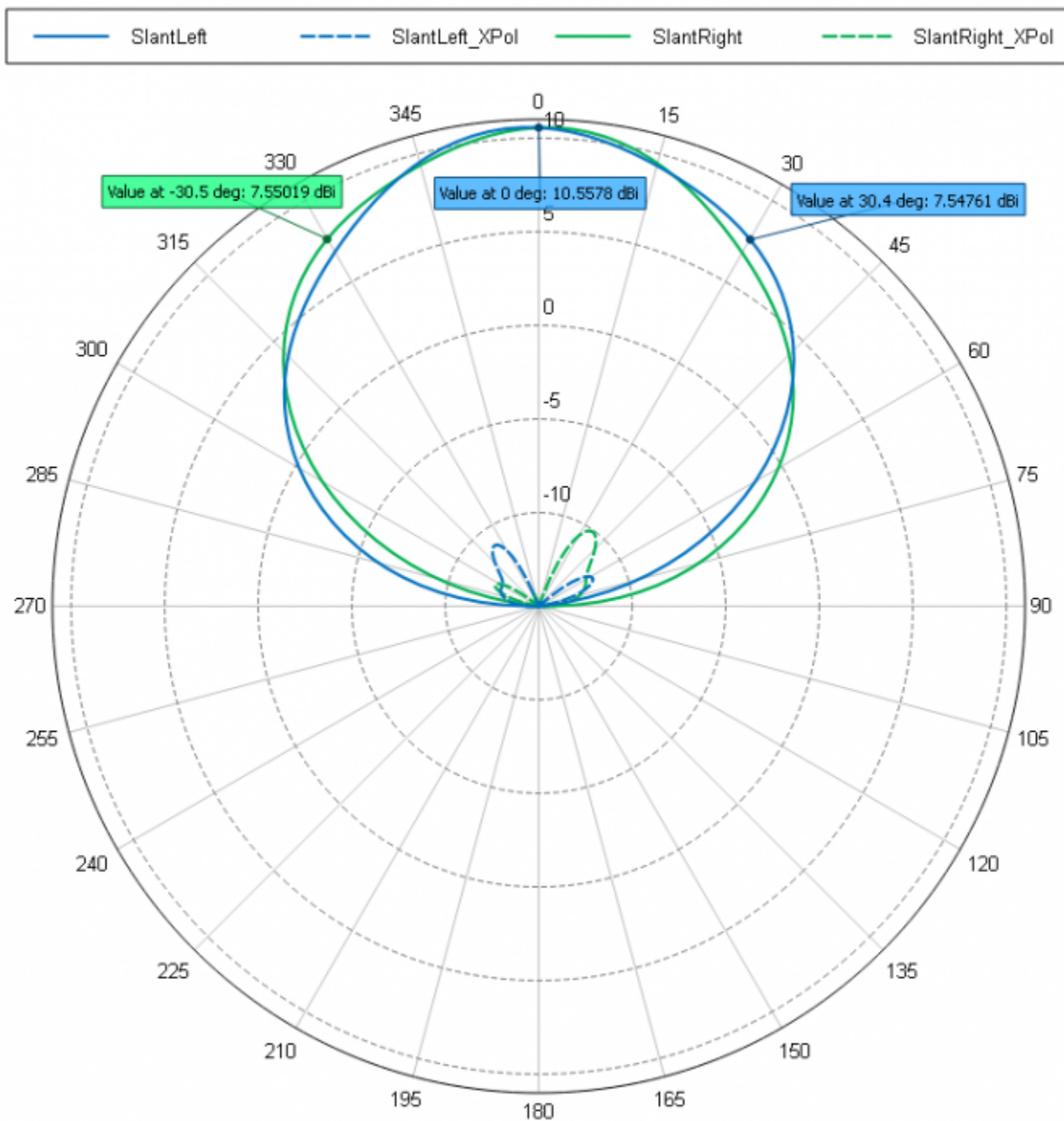
Mounting Options:

- 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



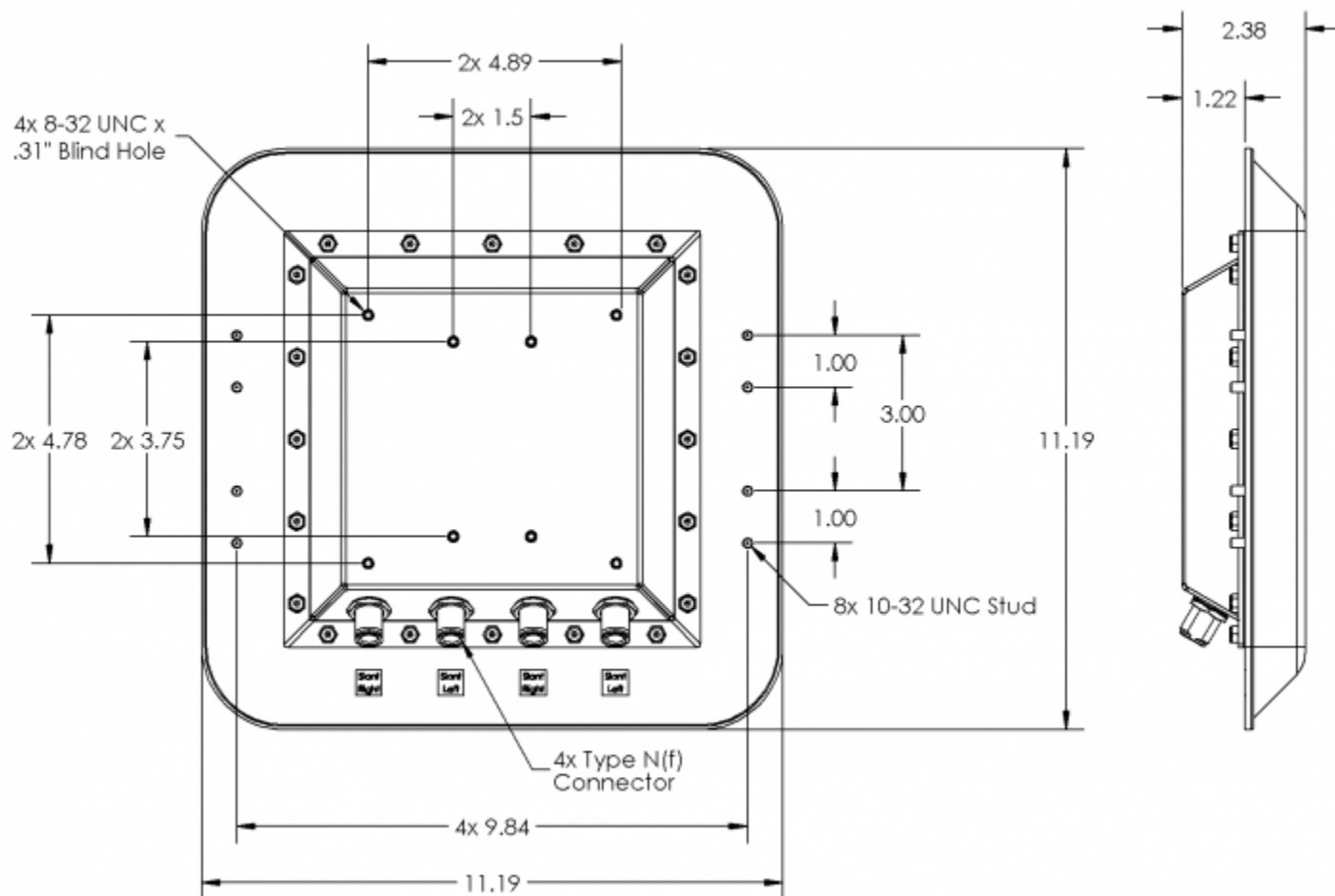
Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Directional Antenna		
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 Gain	10.3	dBi	(-10.0 dBi cross-polarized)
Polarization	Slant R/L		
Horizontal (AZ) Beamwidth	60	Degrees	Per Element
Vertical (EL) Beamwidth	60	Degrees	Per Element
Ground Plane Required	No		
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	11.13 / 282.70	inches / mm	Inches
Product Width	11.13 / 282.70	inches / mm	Inches
Product Height	2.35 / 59.69	inches / mm	Inches
Product Weight	2.8 / 1.2	lbs / kg	Estimated



Slant Left & Slant Right Horizontal & Vertical Patterns

Referenced to +11dBi



Engineering Drawing

All dimensions are in inches