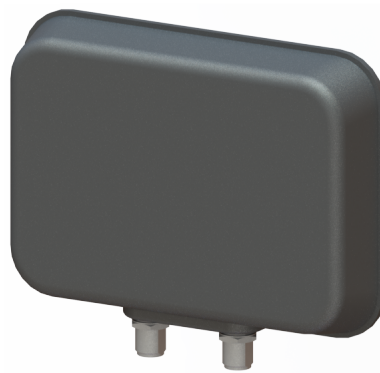


Overview

Southwest Antennas Part # 1055-368 is a 2X2 panel antenna for multi-port MIMO / MANET radio systems that covers the 1.7 - 2.5 GHz frequency band, with a minimum gain of 9 dBi. Two discrete antenna elements each with their own RF connector offer 45 degree slant left and 45 degree slant right polarization, providing for increased transmit and receive polarization diversity.

Features:

- 2 Input 2X2 Panel Antenna with 73° Peak Azimuth Beamwidth
- Dual Polarized Design:
 - 1x 45° Slant Left
 - 1x 45° Slant Right
- 1.7 - 2.5 GHz
- 9 dBi Minimum Gain
- 50W Power Handling
- Black UV Stable Kydex Radome
- 2x .25-20 UNC Threaded Screw Holes for Mounting
- 2x Type-N(f) RF Connectors

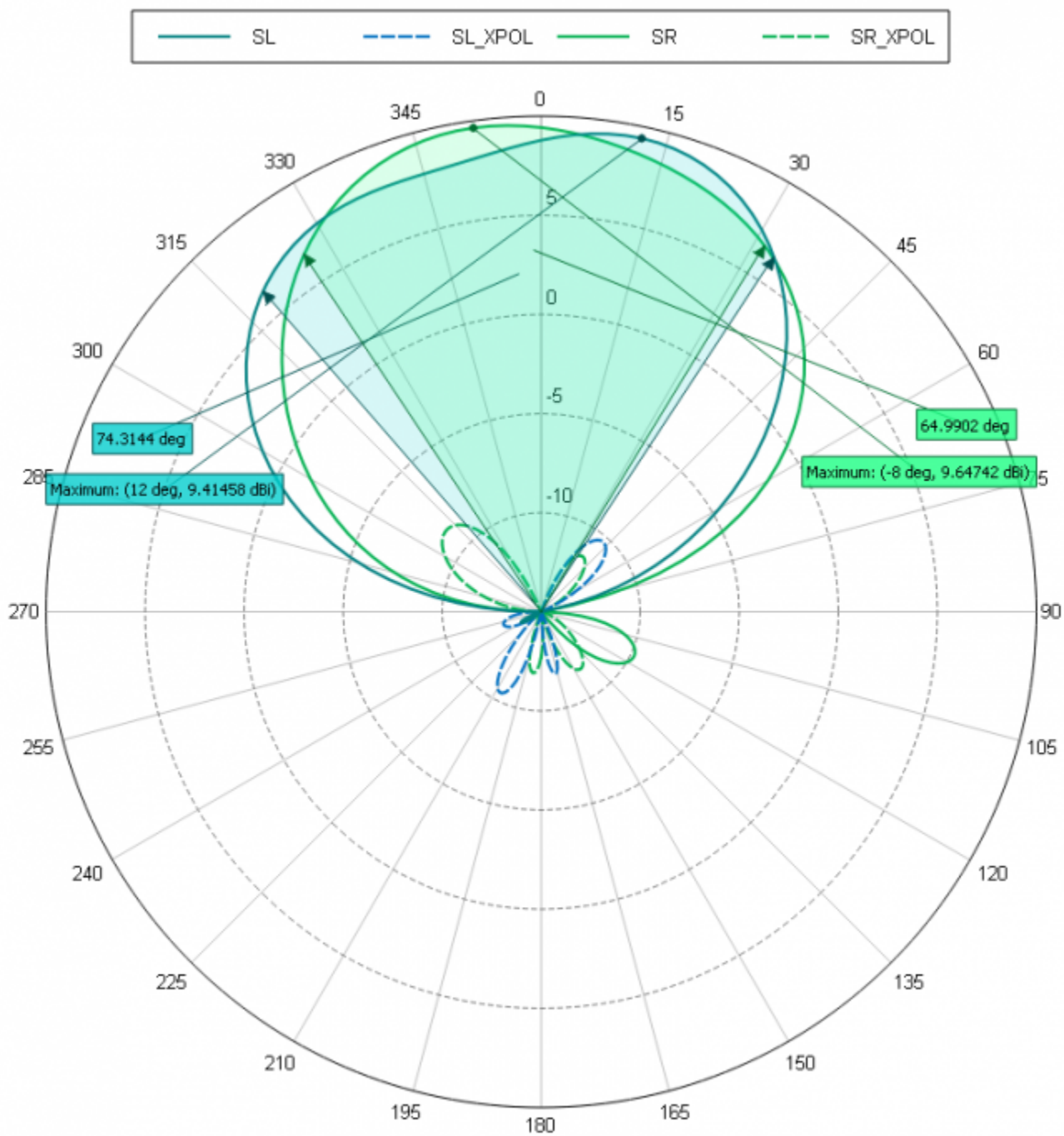


Applications:

- UMTS 3G / LTE 4G Networks
- 2X2 MIMO / MANET Radio Networks
- Infrastructure Base Stations
- Planned City Wide / Urban Area Mesh Radio Networks
- Rapid Deploy Networks for Event Management and Security
- Emergency Management & Public Safety

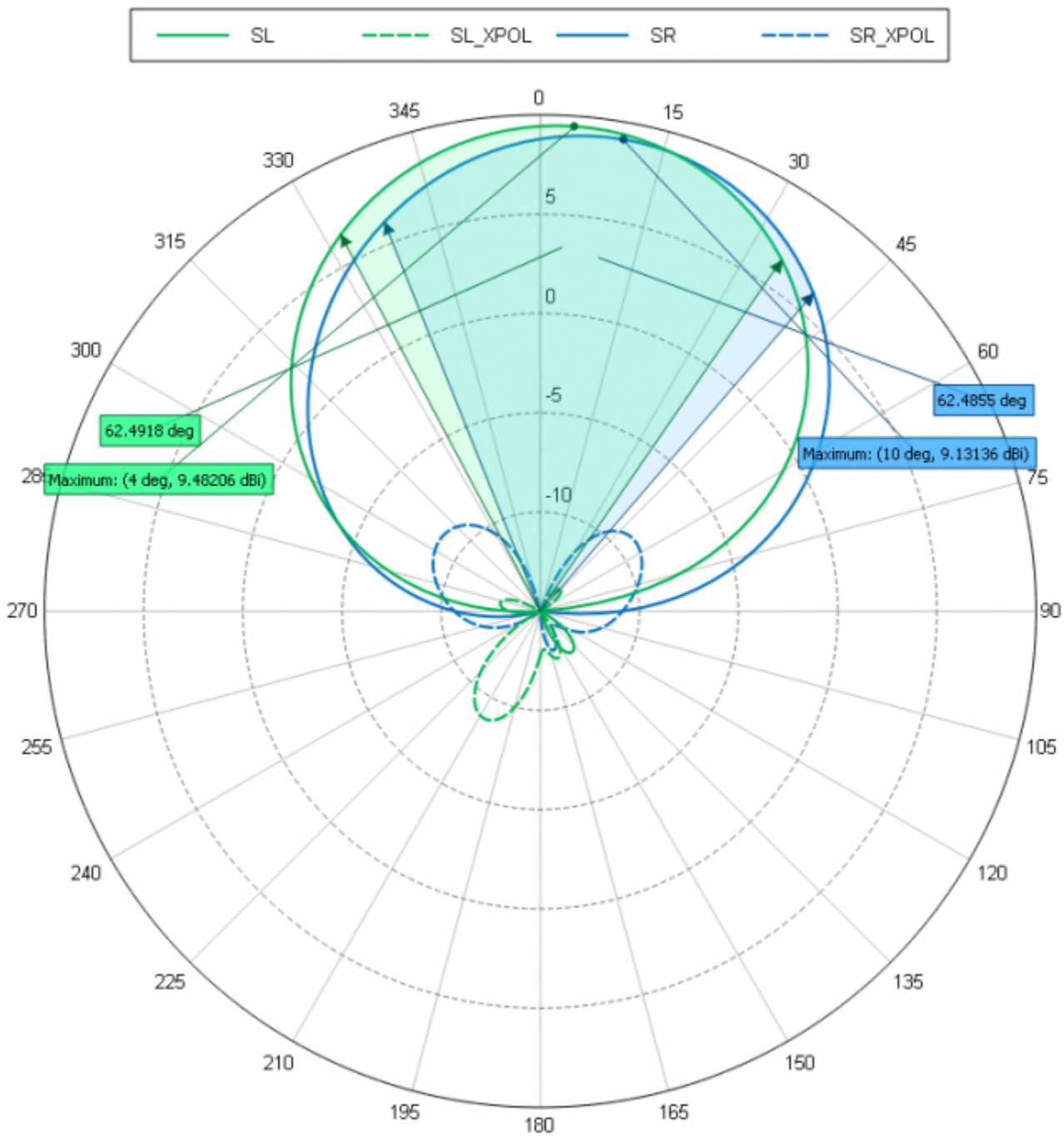
Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Directional Antenna		
Frequency Band	L & S		
Impedance	50	Ohms	
Minimum Frequency	1.7 / 1,700	GHz / MHz	
Maximum Frequency	2.5 / 2,500	GHz / MHz	
Frequency Bandwidth	0.8 / 800	GHz / MHz	
Maximum VSWR	1.5:1	Ratio	
Maximum Gain	9	dBi	
Polarization	Slant L/R		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	74	Degrees	Maximum
Vertical (EL) Beamwidth	62	Degrees	Maximum
Ground Plane Required	No		
Radome Material	UV Stable Kydex		
Color	Low Visibility/Non-Reflective Black		
Mounting Holes or Studs	2x .25-20 UNC Threaded Screw Holes .5" Depth		
RF Connector Type	Type-N(f)		
Product Length	8.25 / 209.55	inches / mm	
Product Width	1.37 / 34.80	inches / mm	
Product Height	5.90 / 149.86	inches / mm	
Product Weight	1.1 / 0.5	lbs / kg	Estimated



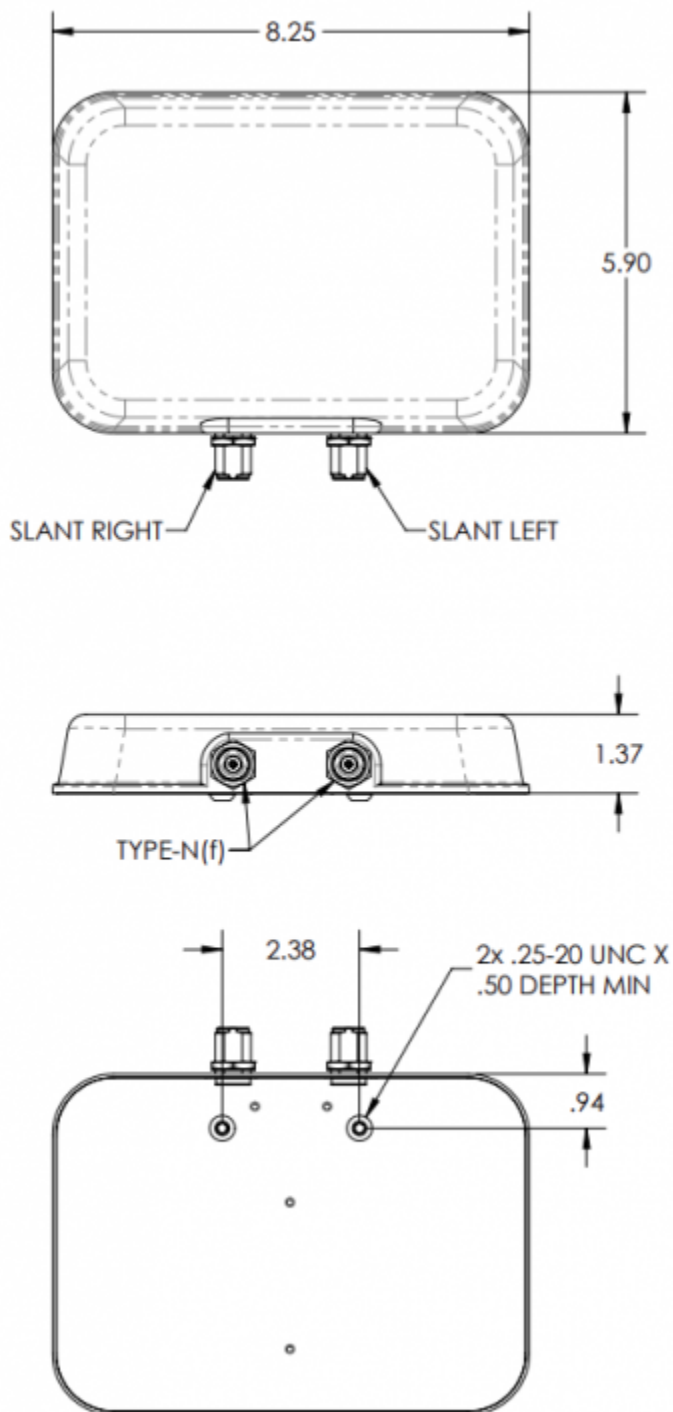
Azimuth Pattern

Referenced to +10 dBi



Elevation Pattern

Referenced to +10 dBi



Engineering Drawing

All dimensions are in inches