

Overview

Southwest Antennas Part # 1055-371 is an omni-directional S-Band antenna designed specifically for 2X2 MIMO and MANET radios with 2 ports. Covering an operation frequency range of 2.1 - 2.5 GHz with a peak gain of 2.9 dBi, the antenna features a strong magnetic mount base, allowing for easy mounting and removal from any magnetic metal object. 12 feet of cable allows for flexible antenna placement options.

Part # 1055-371 features 45° slant left / slant right antenna elements to increase the polarization diversity of attached MIMO / MANET radio systems. This is particularly useful in urban environments.

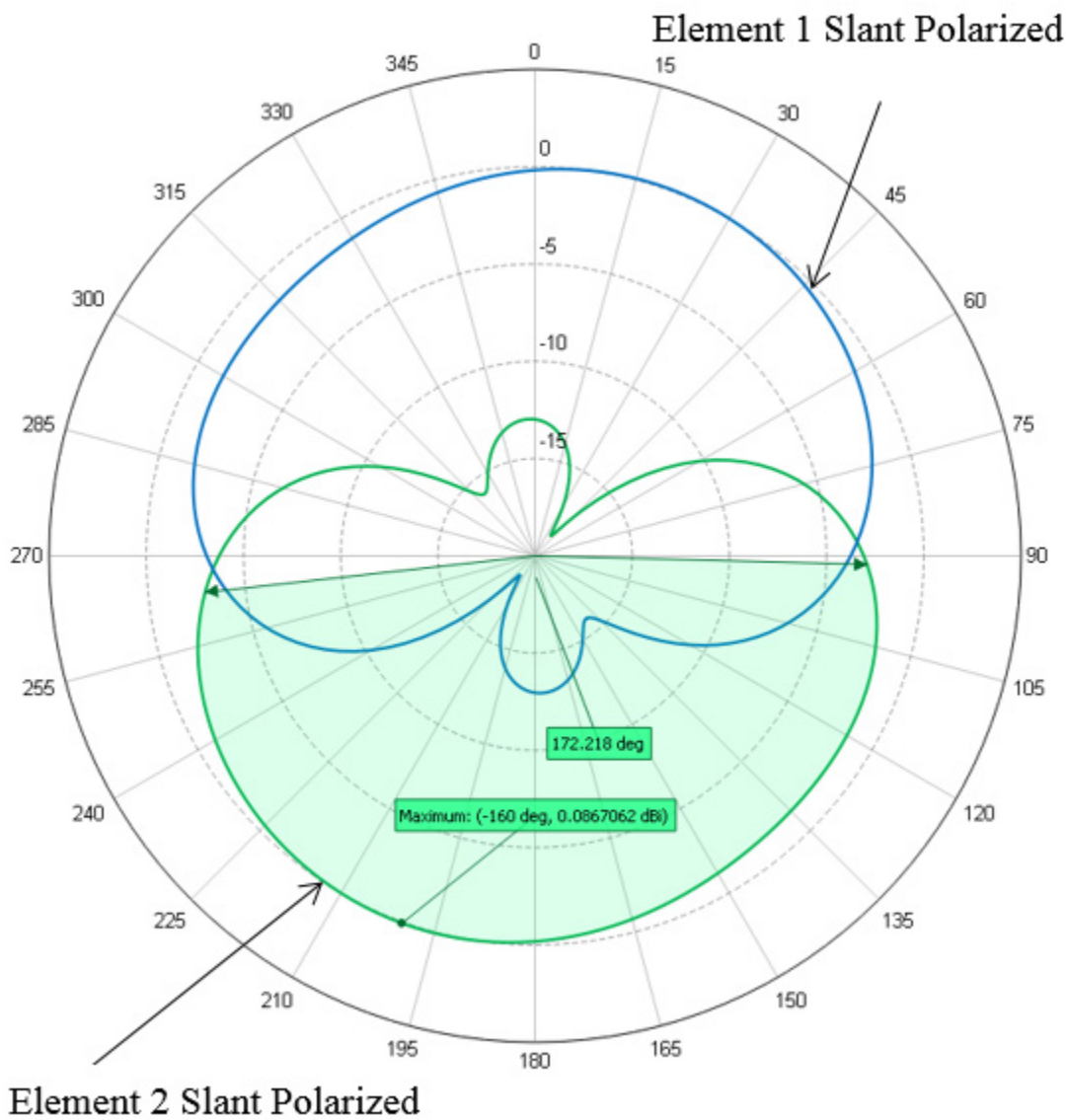
Features:

- 2 Input MIMO Antenna:
 - 1 each, 45° Slant Left
 - 1 each, 45° Slant Right
- 2.1-2.5 GHz
- Heavy Duty Magnetic Mount Base
- Includes Black Neoprene Rubber Surface Protection Cover (Field Replaceable)
- Integrated Low Loss RF Cables, 12 feet nominal
 - Other RF Cable Length & Connector Types Available
- TNC(m) Rotating RF Connectors (2x)
- Includes Mesh Cable Bundle Protector
- Perfect for Vehicle Mount Antenna Applications

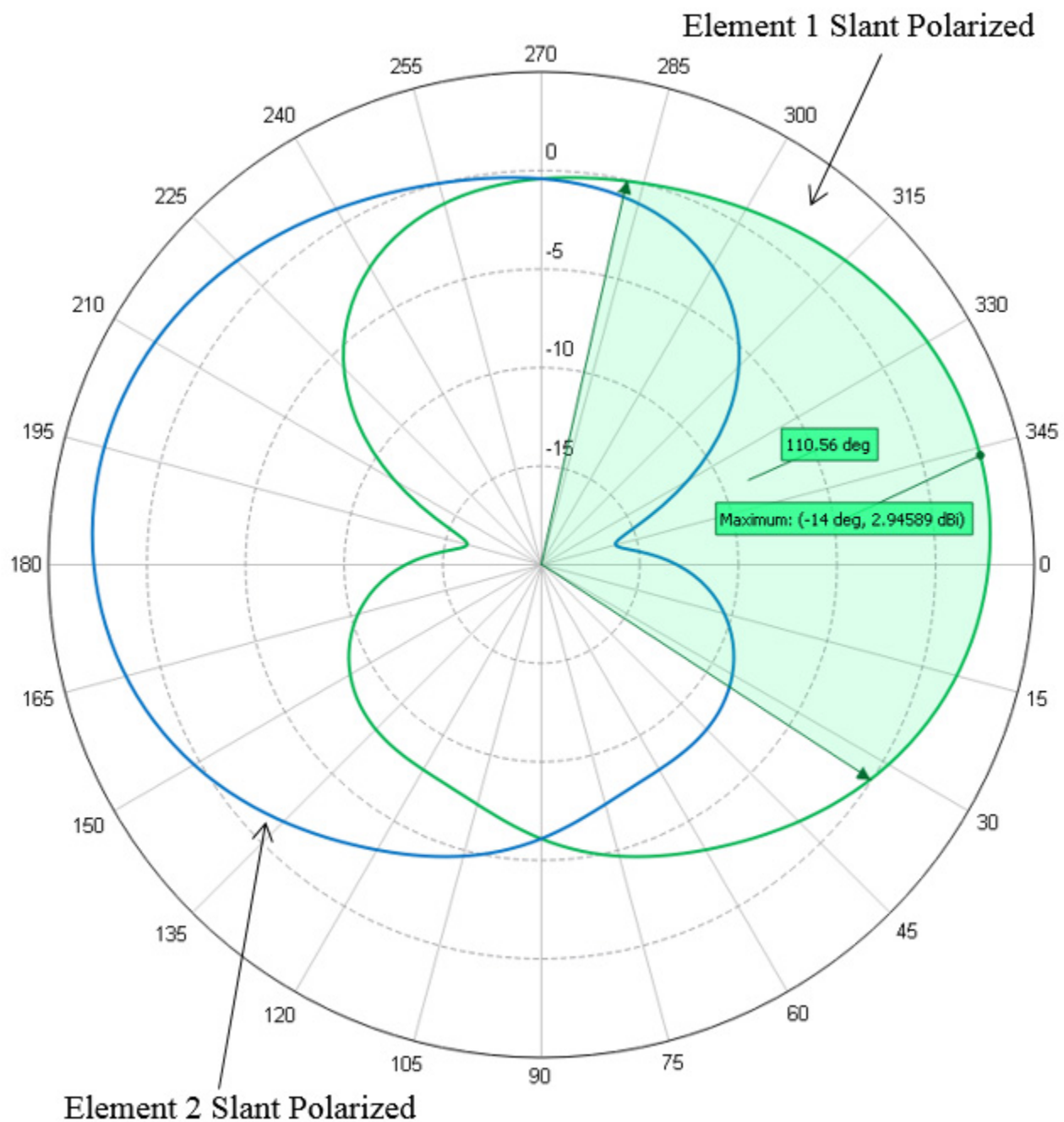


Antenna Specifications

Parameter	Value	Units	Tolerance
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	2:1	Ratio	
Maximum Gain	2.9	dBi	
Polarization	Slant R/L		
Maximum RF Input Power	50	Watts	Per Port
Horizontal (AZ) Beamwidth	360	degrees	
Vertical (EL) Beamwidth	110	degrees	
Ground Plane Required	No		
Mount Style	Magnetic Mount Base with Surface Protector		
Mount Diameter	3.28 / 83.31	inches / mm	
Maximum Wind Velocity	200	mph	
RF Connector Type	TNC(m)		
RF Cable Type	LMR 200		
RF Cable Length	12.00 / 3.66	ft / m	
Product Height	4.56 / 115.82	inches / mm	±.13"
Product Diameter	3.28 / 83.34	inches / mm	+.020" / -.000"
Product Weight	28.0 / 793.8	oz / grams	

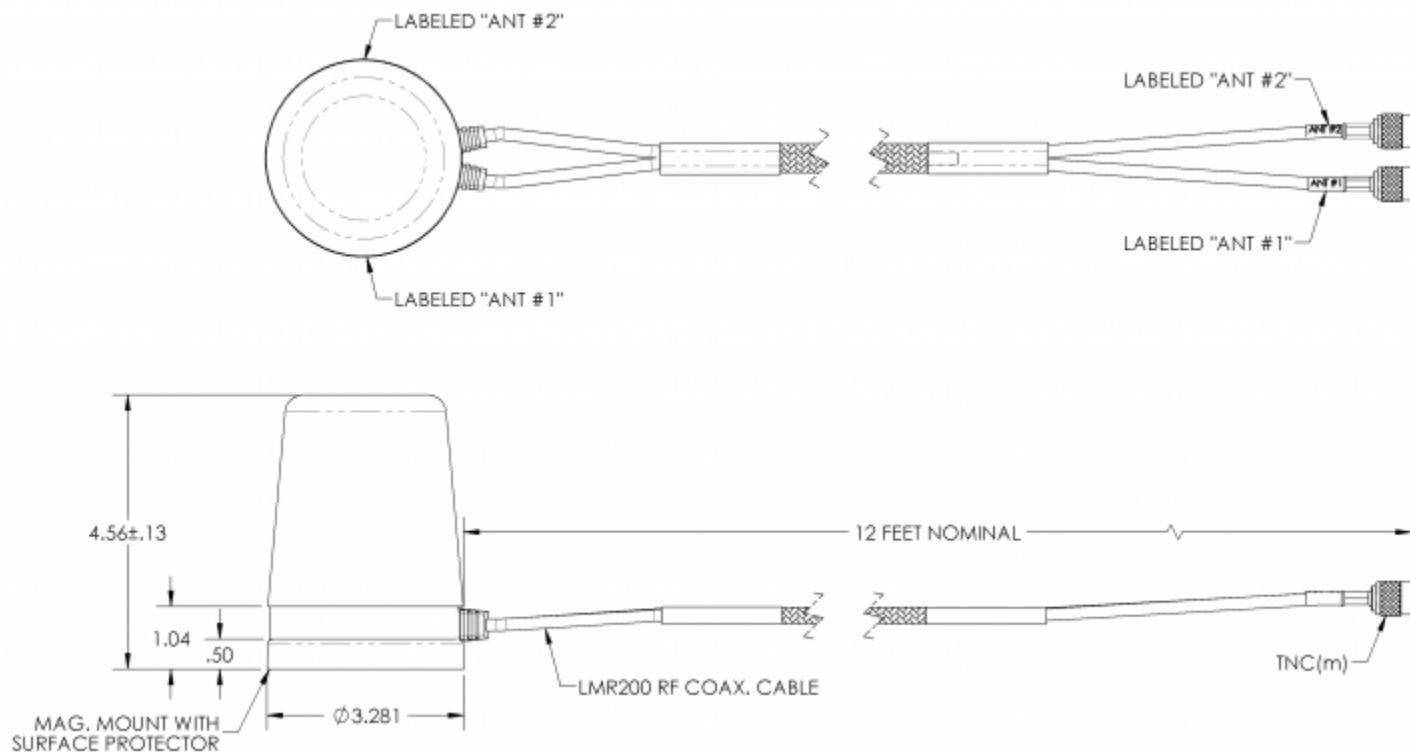


Referenced to +5 dBi (does not include cable loss)



Elevation Pattern

Referenced to +5 dBi (does not include cable loss)



Engineering Drawing

All dimensions are in inches