

## Overview

Southwest Antennas Part # 1001-160 is a half wave dipole omni antenna with a frequency range of 1.625 to 2.110 GHz and 2.15 dBi of peak gain.

1001-160 features a flat black radome for low visibility when deployed, and has a non-rotating black chrome SMA(m) RF connector partially recessed into the radome, reducing the overall antenna length for low-profile installations.

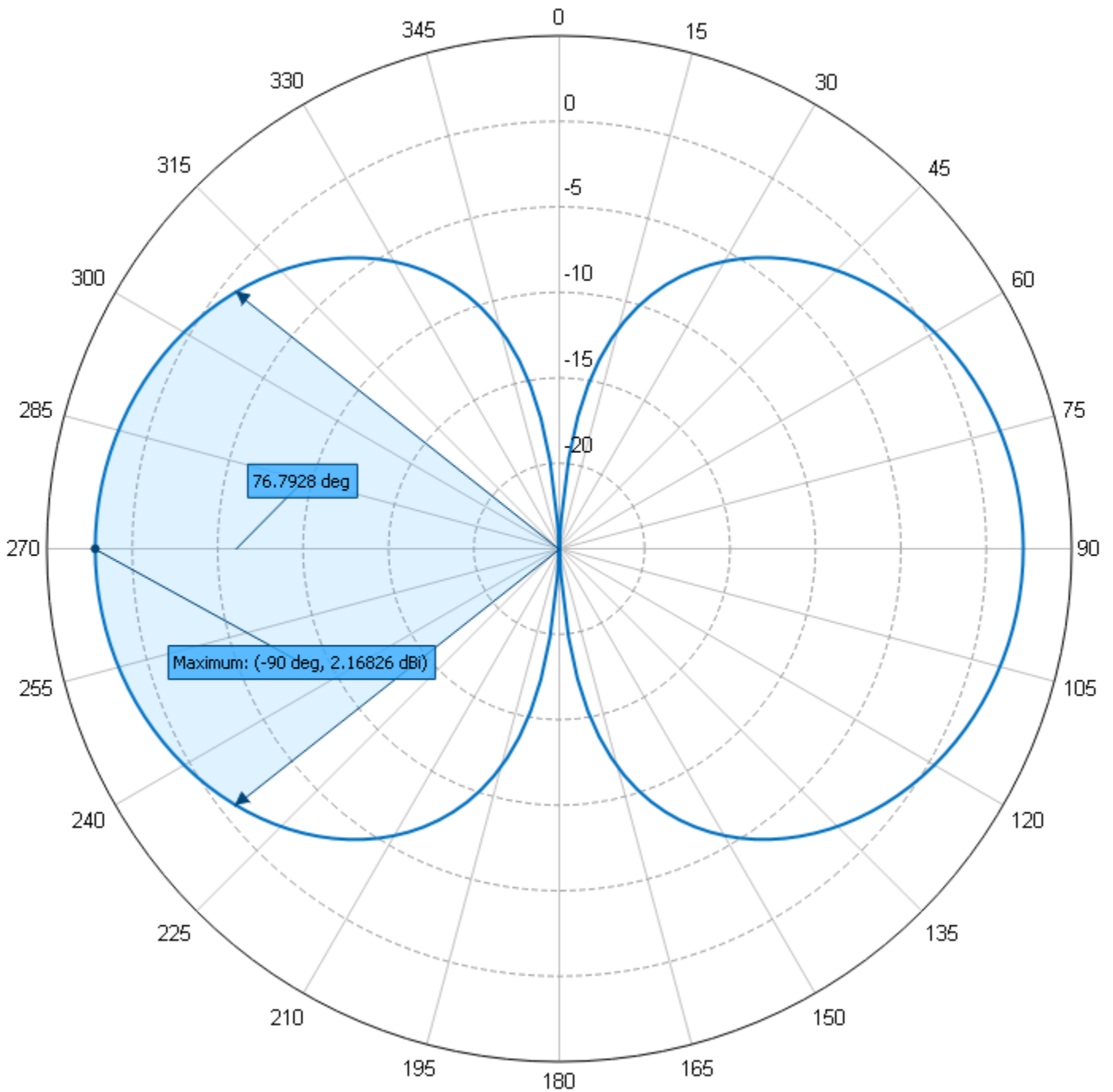
## Features:

- Broad band coverage
- Half wave dipole design
- 1.625 - 2.110 GHz
- 50W power handling
- 2.15 dBi omni radiation pattern
- Black chrome non-rotating SMA(m) RF connector
- Low visibility flat black radome



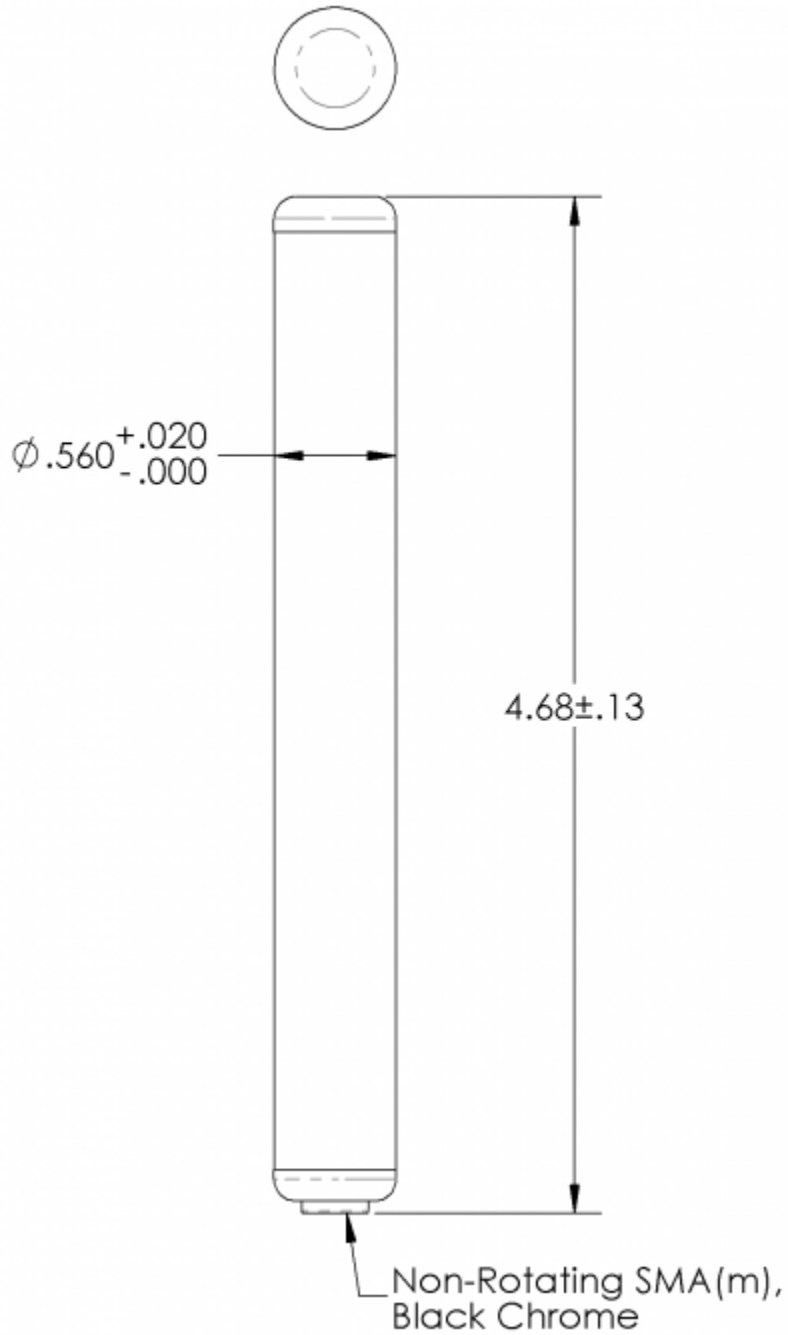
### Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni		
Frequency Band	L & S		
Impedance	50	Ohms	
Minimum Frequency	1.625 / 1,625	GHz / MHz	
Maximum Frequency	2.11 / 2,110	GHz / MHz	
Frequency Bandwidth	0.485 / 485	GHz / MHz	
Maximum VSWR	<2:1	Ratio	
Gain	2.15	dBi	
Polarization	Vertical		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	360	degrees	
Vertical (EL) Beamwidth	77	degrees	
Color	Low visibility black		
RF Connector Type	SMA(m) Non-Rotating		
RF Connector Finish	Black Chrome		
Product Height	4.680 / 118.872	inches / mm	±.13"
Product Diameter	0.562 / 14.275	inches / mm	+.020" / -.000"
Product Weight	2.00 / 56.70	oz / grams	



**Elevation Pattern**

Referenced to +5dBi



**Engineering Drawing**

All Dimensions are in Inches