

Overview

Southwest Antennas Part # 1001-217 is a half wave dipole omni-directional antenna with a frequency range of 1,000 to 1,500 MHz and 2.1 dBi of peak gain.

1001-217 features an integrated 3.0" RF Gooseneck which contributes to the improvement of RF link margin and overall antenna performance. Our proprietary antenna design and manufacturing process ensures optimum antenna RF performance.

A non-rotating TNC(m) RF connector allows the antenna to be easily secured or removed from equipment in the field by a single gloved hand, no tools required.

Antennas with integrated RF Goosenecks are ideal for handheld video receivers, portable radio systems, or any other mobile communication platform. The RF Gooseneck can be threaded through MOLLE gear or other tactical vest hardware for added security while moving.

A rugged flat black fiberglass radome provides protection from damage and gives the antenna a low visibility finish. The integrated RF Gooseneck allows the antenna to bend and deflect away from impacts during indoor or outdoor operations.

Features:

- Broad Band Coverage
- Half Wave Dipole Design
- 1,000 - 1,500 MHz
- 50W Power Handling
- 2.1 dBi Omni Radiation Pattern
- Integrated RF Coaxial Gooseneck
- Black Chrome Non-Rotating TNC(m) Connector



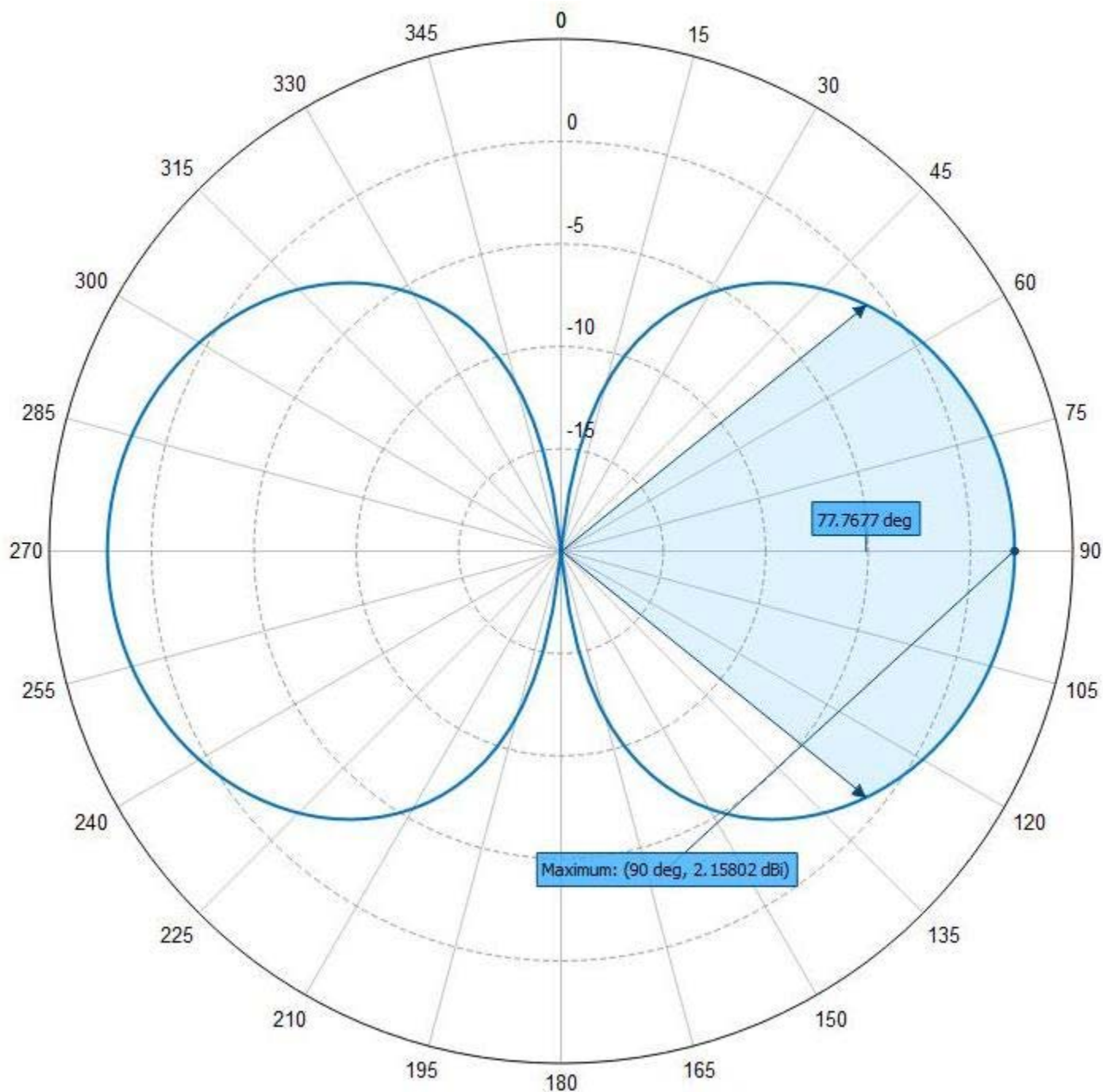
Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	L		
Impedance	50	Ohms	
Minimum Frequency	1.0 / 1,000	GHz / MHz	
Maximum Frequency	1.5 / 1,500	GHz / MHz	
Frequency Bandwidth	0.5 / 500	GHz / MHz	
Maximum VSWR	<2.0:1	Ratio	
Maximum Gain	2.1	dBi	
Polarization	Vertical		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	77	Degrees	
Ground Plane Required	No		
Color	Black		
Spring or Gooseneck	Gooseneck		
Gooseneck Length	3.00 / 76.20	inches / mm	±.09"
Gooseneck Diameter	0.36 / 9.02	inches / mm	+.010" / -.005"
RF Connector Type	TNC(m) Non-Rotating		
RF Connector Features	Black Chrome		
Product Height	10.25 / 260.35	inches / mm	±.15"
Product Diameter	0.56 / 14.27	inches / mm	+.020" / -.000"



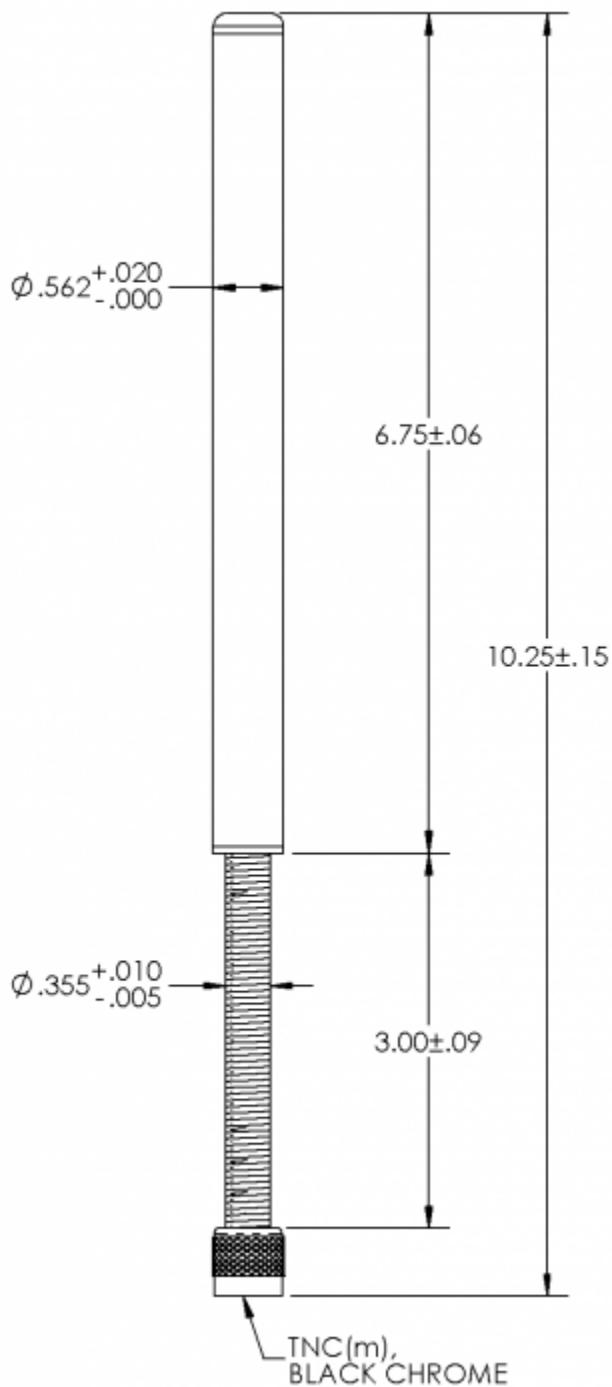
Part # 1001-217
Omni Antenna, Half Wave Dipole, 1.0 - 1.5 GHz, 2.1 dBi, Integrated RF
Coaxial Gooseneck

Parameter	Value	Units	Tolerance
Product Weight	2.5 / 70.9	oz / grams	



Elevation Pattern

Reference to +5 dBi



Engineering Drawing

All dimensions are in inches