

Overview

Southwest Antennas Part # 1001-123 is a half wave dipole omni antenna with a frequency range of 1.98 to 2.20 GHz and 2.2 dBi of peak gain.

1001-123 features an integrated 3" RF Gooseneck with black chrome non-rotating TNC(m) RF connector, 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.

The non-rotating TNC(m) RF connector can 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 outdoor operations.

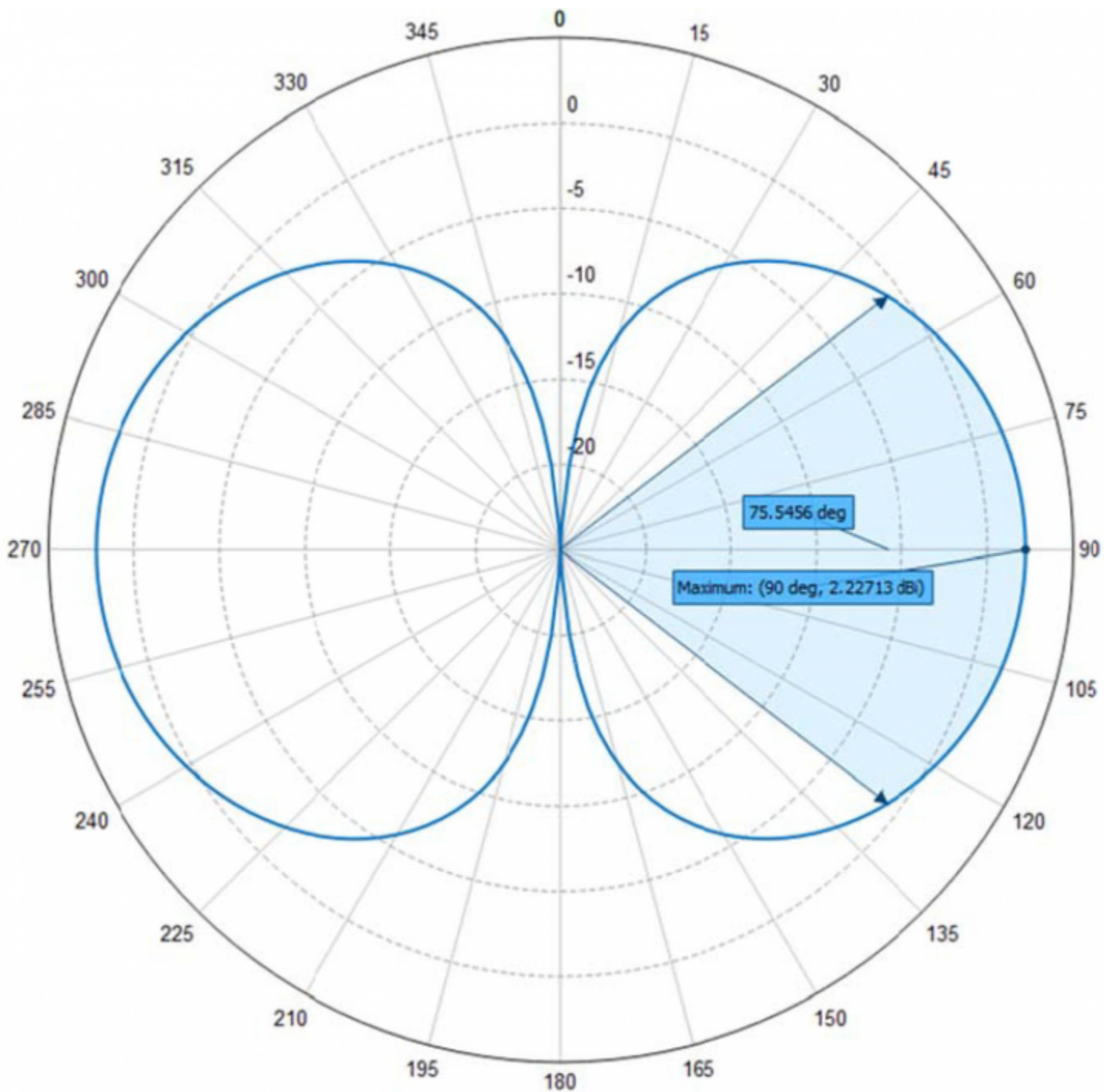
Features:

- Broad Band Coverage
- 1.98 - 2.20 GHz
- 2.2 dBi Omni Radiation Pattern
- 50W Power Handling
- Integrated 3-Inch RF Coaxial Gooseneck
- Rugged Flat Black Fiberglass Radome
- Non-Rotating TNC(m) Connector, Black Chrome Finish



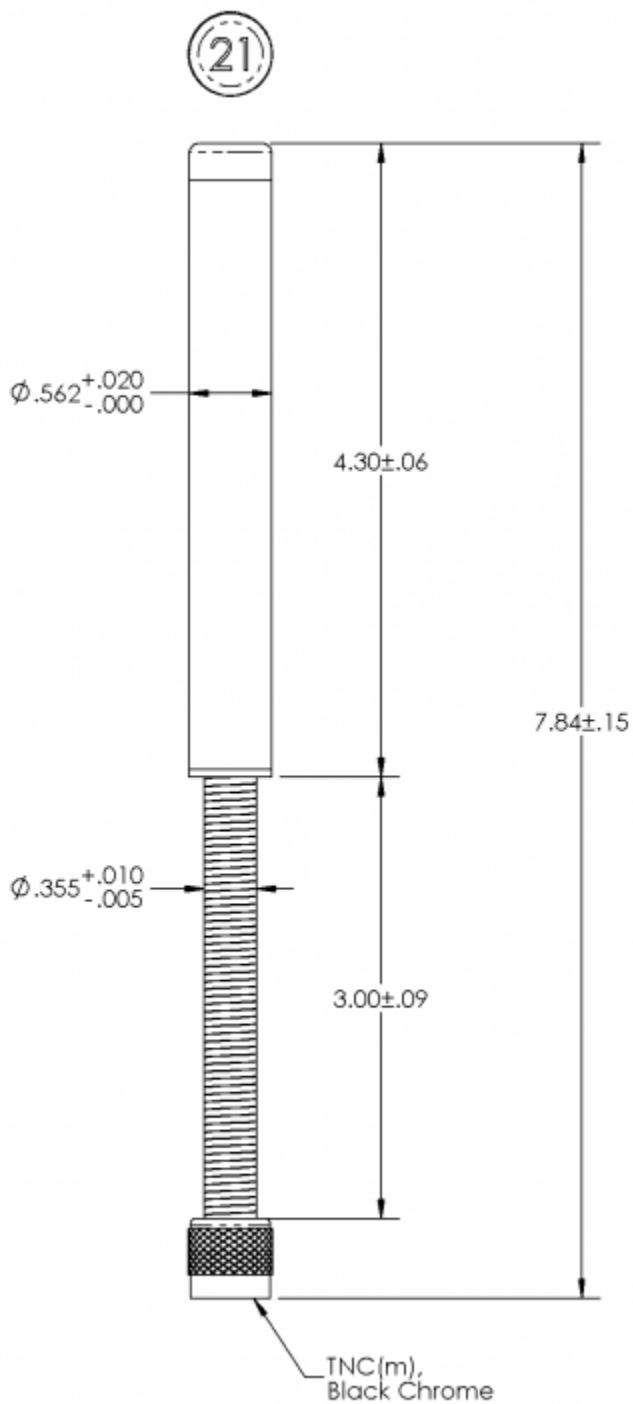
Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	S		
Impedance	50	Ohms	
Minimum Frequency	1.98 / 1,980	GHz / MHz	
Maximum Frequency	2.2 / 2,200	GHz / MHz	
Frequency Bandwidth	0.22 / 220	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	2.2	dBi	
Polarization	Vertical		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	76	Degrees	
Color	Black		
Spring or Gooseneck	Gooseneck		
Gooseneck Length	3.00 / 76.20	inches / mm	±0.09"
Gooseneck Diameter	0.36 / 9.02	inches / mm	±0.06"
RF Connector Type	TNC(m) Non-Rotating		
RF Connector Features	Black Chrome		
Product Height	7.80 / 198.12	inches / mm	0.15"
Product Diameter	0.56 / 14.27	inches / mm	+0.02" / -.000"
Product Weight	1.9 / 55.0	oz / grams	



Elevation Pattern

Referenced to +5dBi



Engineering Drawing

Dimensions are in inches