

Overview

Southwest Antennas Part # 1001-140 is a full wave dipole omni antenna with a frequency range of 4.4 to 5.9 GHz and 3.5 dBi of peak gain.

1001-140 features an integrated 3" RF Gooseneck with black chrome 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 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 indoor or outdoor operations.

Features:

- Broad Band Coverage
- Full Wave Dipole
- 4.4 - 5.9 GHz
- 3.5 dBi Omni Radiation Pattern
- 50W Power Handling
- Integrated RF Co-Axial Gooseneck
- Rugged Flat Black Fiberglass Radome
- Black Chrome TNC(m) RF Connector



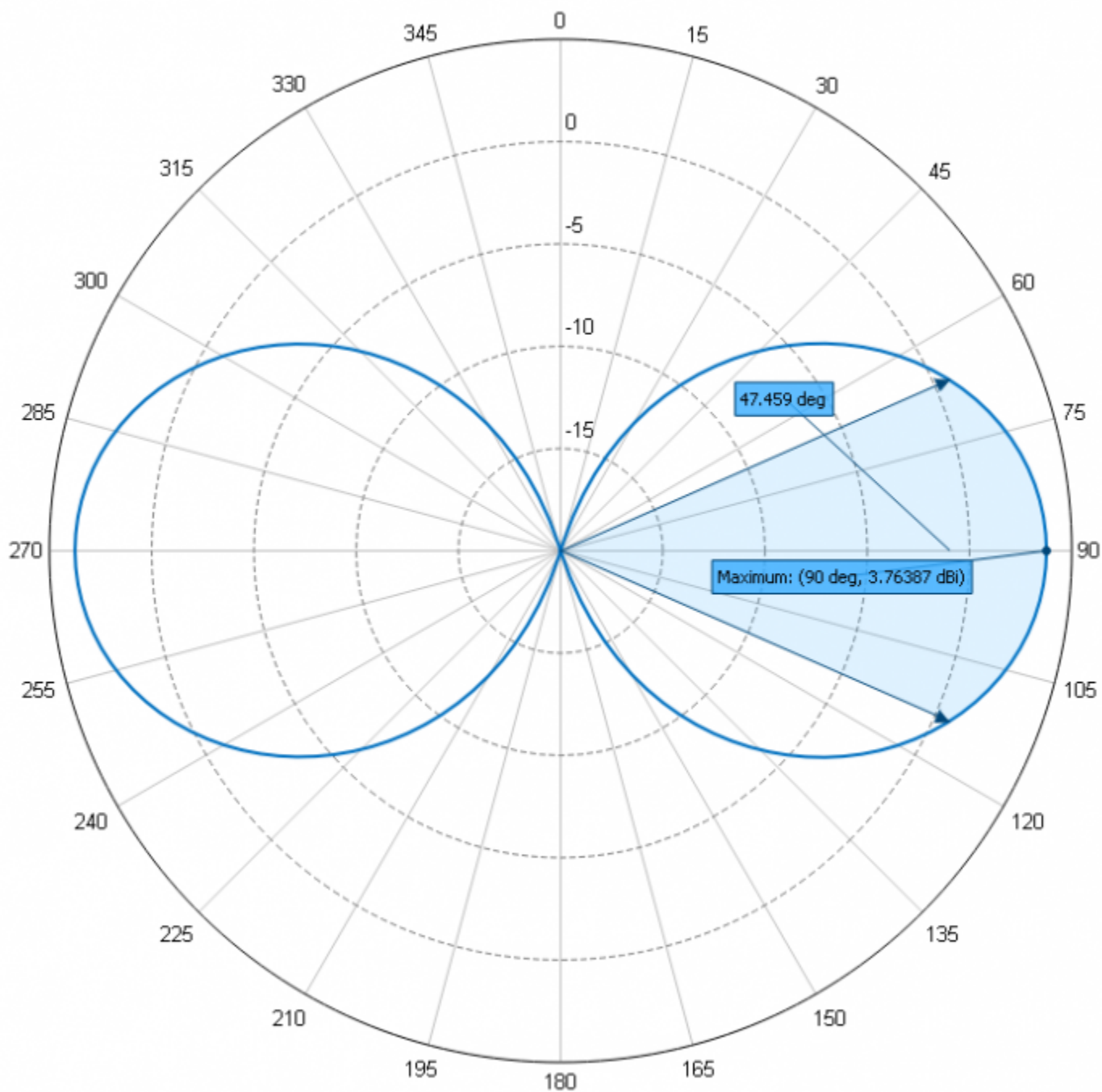
Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	C		
Impedance	50	Ohms	
Minimum Frequency	4.4 / 4,400	GHz / MHz	
Maximum Frequency	5.9 / 5,900	GHz / MHz	
Frequency Bandwidth	1.5 / 1,500	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	3.5	dBi	
Polarization	Vertical		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	47	Degrees	
Ground Plane Required	No		
Radome Material	Fiberglass		
Color	Black		
Spring or Gooseneck	Gooseneck		
Gooseneck Length	3.00 / 76.20	inches / mm	±0.09"
Gooseneck Diameter	0.35 / 8.89	inches / mm	+ .010" / -.005"
RF Connector Type	TNC(m) Non-Rotating		
RF Connector Features	Black Chrome		
Product Height	7.50 / 190.50	inches / mm	±0.15"



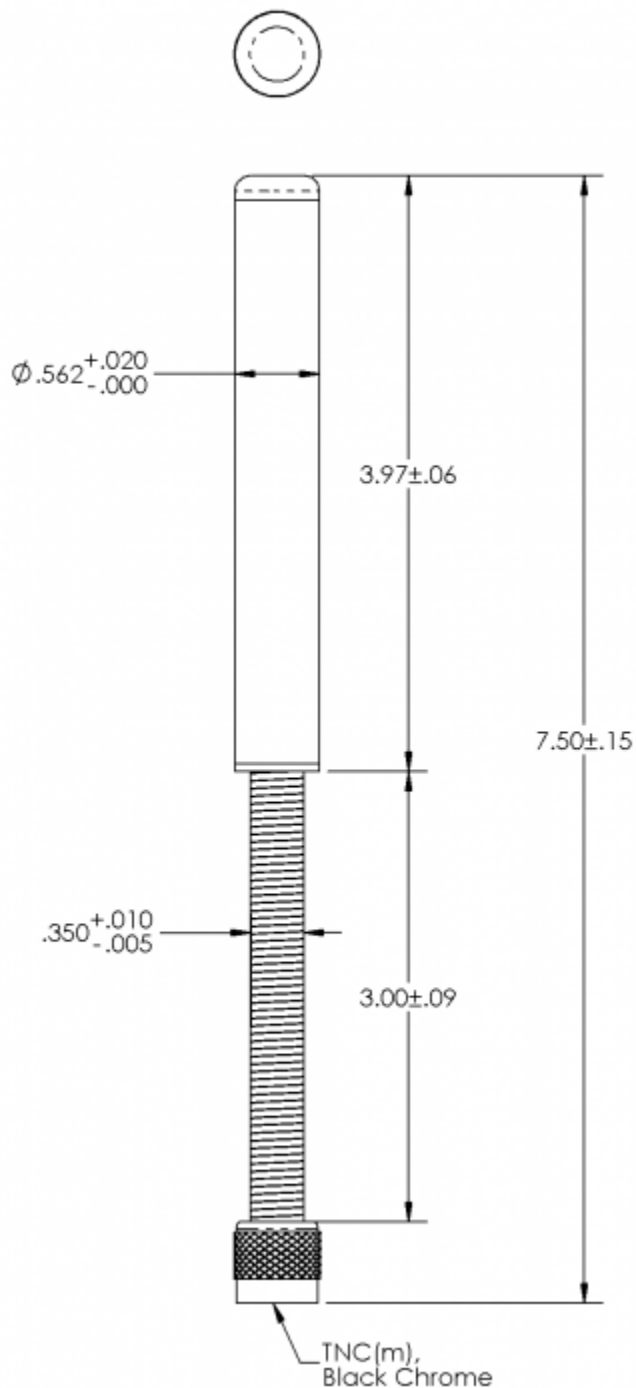
Part # 1001-140
Omni Antenna, Full Wave Dipole, 4.4 - 5.9 GHz, 3.5 dBi Gain, Integrated RF Gooseneck

Parameter	Value	Units	Tolerance
Product Diameter	0.56 / 14.27	inches / mm	+0.02" / -.000"
Product Weight	2.0 / 57.3	oz / grams	



Elevation Pattern

Referenced to +5dBi



Engineering Drawing

All dimensions are in inches