

## Overview

Southwest Antennas Part # 1001-141 is a dual band, half wave dipole omni antenna with a low band frequency range of 2.1 to 2.5 GHz and a peak gain of 2.1 dBi, and a high band frequency of 4.4 to 5.9 GHz and a peak gain of 2.5 dBi.

1001-141 features an integrated 3" RF Gooseneck with black chrome non-rotating Type-N(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 Type-N(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:

- Dual Band Coverage
- Half Wave Dipole
- 2.1 - 2.5 GHz, 2.1 dBi
- 4.4 - 5.9 GHz, 2.5 dBi
- Omni Radiation Pattern
- 50 Watt Power Handling
- Integrated RF Co-Axial Gooseneck
- Rugged Flat Black Fiberglass Radome
- Black Chrome Non-Rotating Type-N(m) RF Connector



### Antenna Specifications

Parameter	Value	Units	Tolerance
<b>Antenna Pattern</b>	Omni Antenna		
<b>Frequency Band</b>	S & C		
<b>Impedance</b>	50	Ohms	
<b>Frequency Range 1</b>	2.1 – 2.5 2,100 – 2,500	GHz MHz	
<b>Frequency Range 2</b>	4.4 – 5.9 4,400 – 5,900	GHz MHz	
<b>Maximum VSWR</b>	2:1	Ratio	
<b>Maximum Gain</b>	2.5	dBi	
<b>Polarization</b>	Vertical		
<b>Maximum RF Input Power</b>	50	Watts	
<b>Horizontal (AZ) Beamwidth</b>	360	Degrees	
<b>S Band Vertical (EL) Beamwidth</b>	78	Degrees	
<b>C Band Vertical (EL) Beamwidth</b>	69	Degrees	
<b>Ground Plane Required</b>	No		
<b>Spring or Gooseneck</b>	Gooseneck		
<b>Gooseneck Length</b>	3.00 / 76.20	inches / mm	±0.09"
<b>Gooseneck Diameter</b>	0.35 / 8.89	inches / mm	+0.010" / -.005"
<b>RF Connector Type</b>	Type-N(m) Non-Rotating		
<b>RF Connector Features</b>	Black Chrome		
<b>Product Height</b>	8.35 / 212.09	inches / mm	±0.13"
<b>Product Diameter</b>	0.56 / 14.27	inches / mm	+0.02" / -.000"

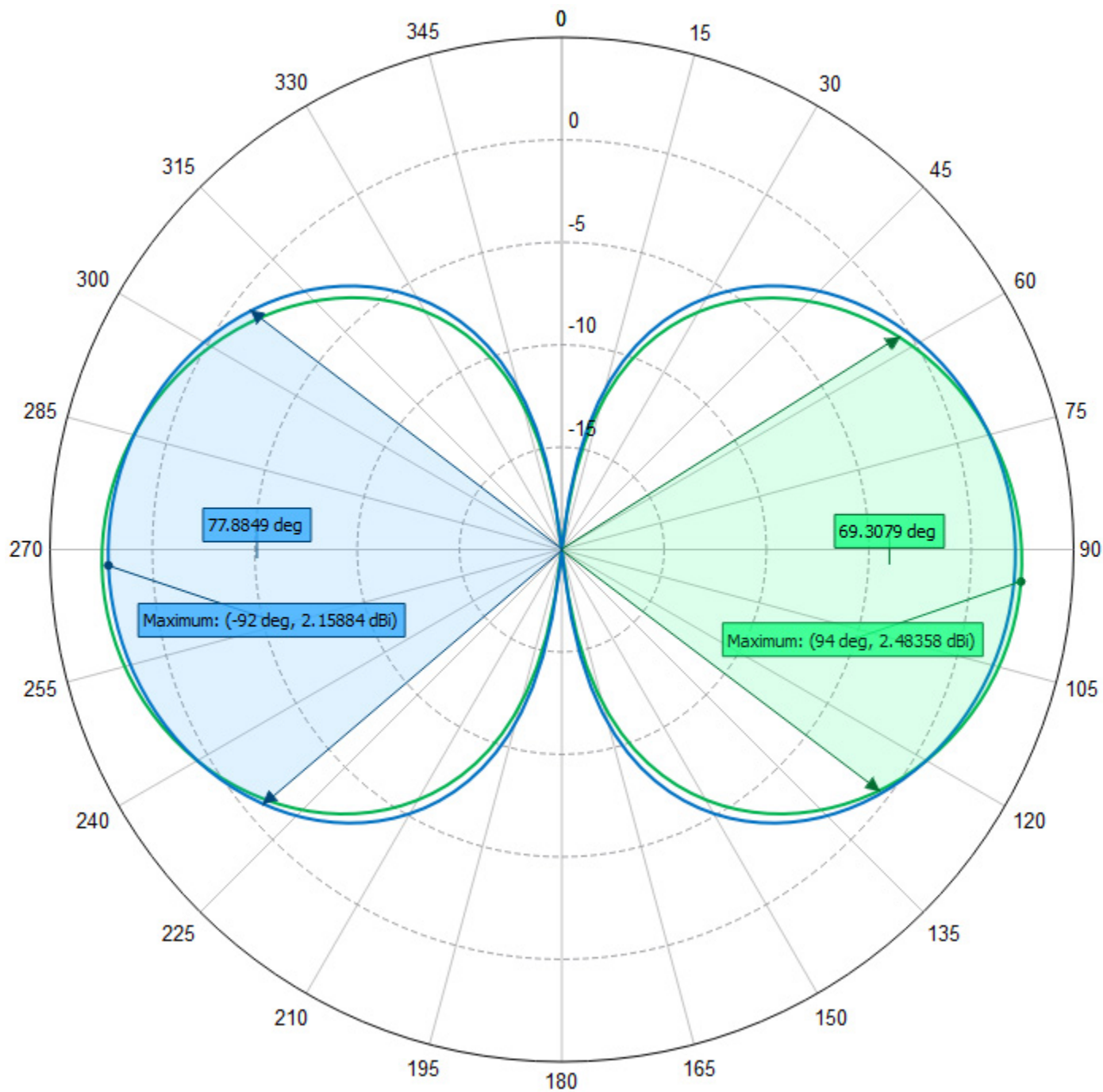


**Part # 1001-141**

**Dual Band Omni Antenna, Half Wave Dipole, 2.1 - 2.5 GHz & 4.4 - 5.9 GHz,  
2.1 / 2.5 dBi, Integrated RF Coaxial Gooseneck**

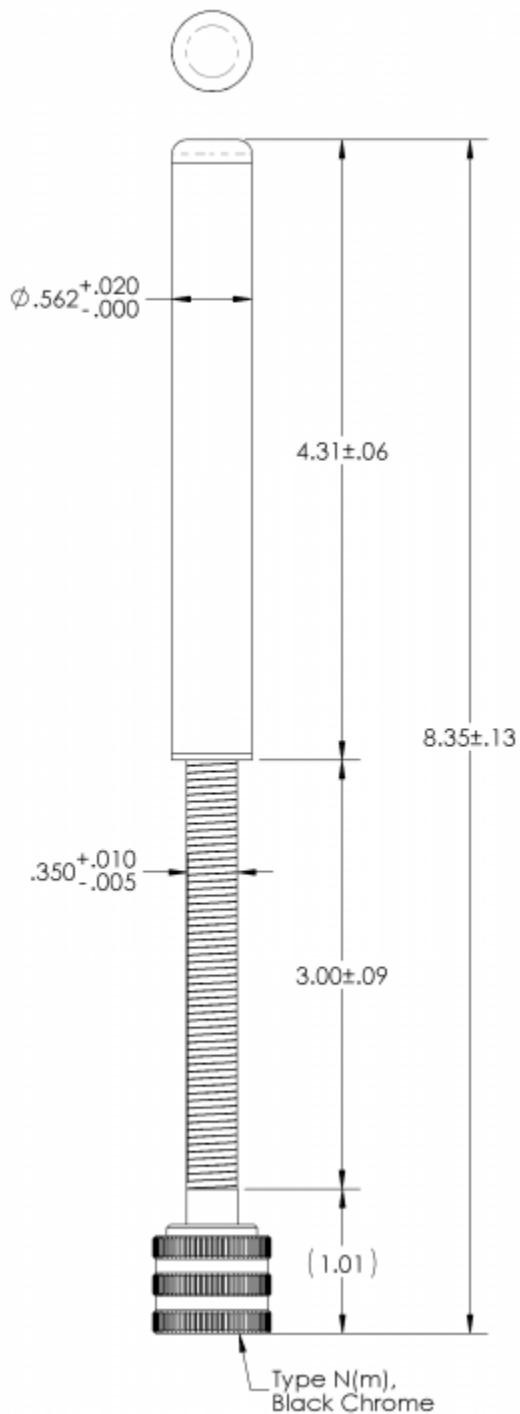
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Parameter	Value	Units	Tolerance
<b>Product Weight</b>	2.6 / 74.8	oz / grams	



**Elevation Pattern**

Elevation - Blue: Low Band, Green: High Band, Referenced to +5dBi



### Engineering Drawing

Dimensions are in inches