

Overview

Southwest Antennas Part # 1001-060 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.

1001-060 features an integrated 3" RF Gooseneck with black chrome non-rotating SMA(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.

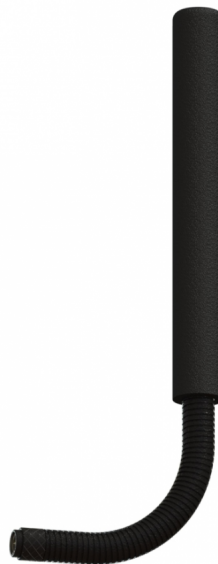
The non-rotating SMA(m) RF connector can be easily secured or removed from equipment in the field by a single gloved hand, no tools required.

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 SMA(m) RF Connector



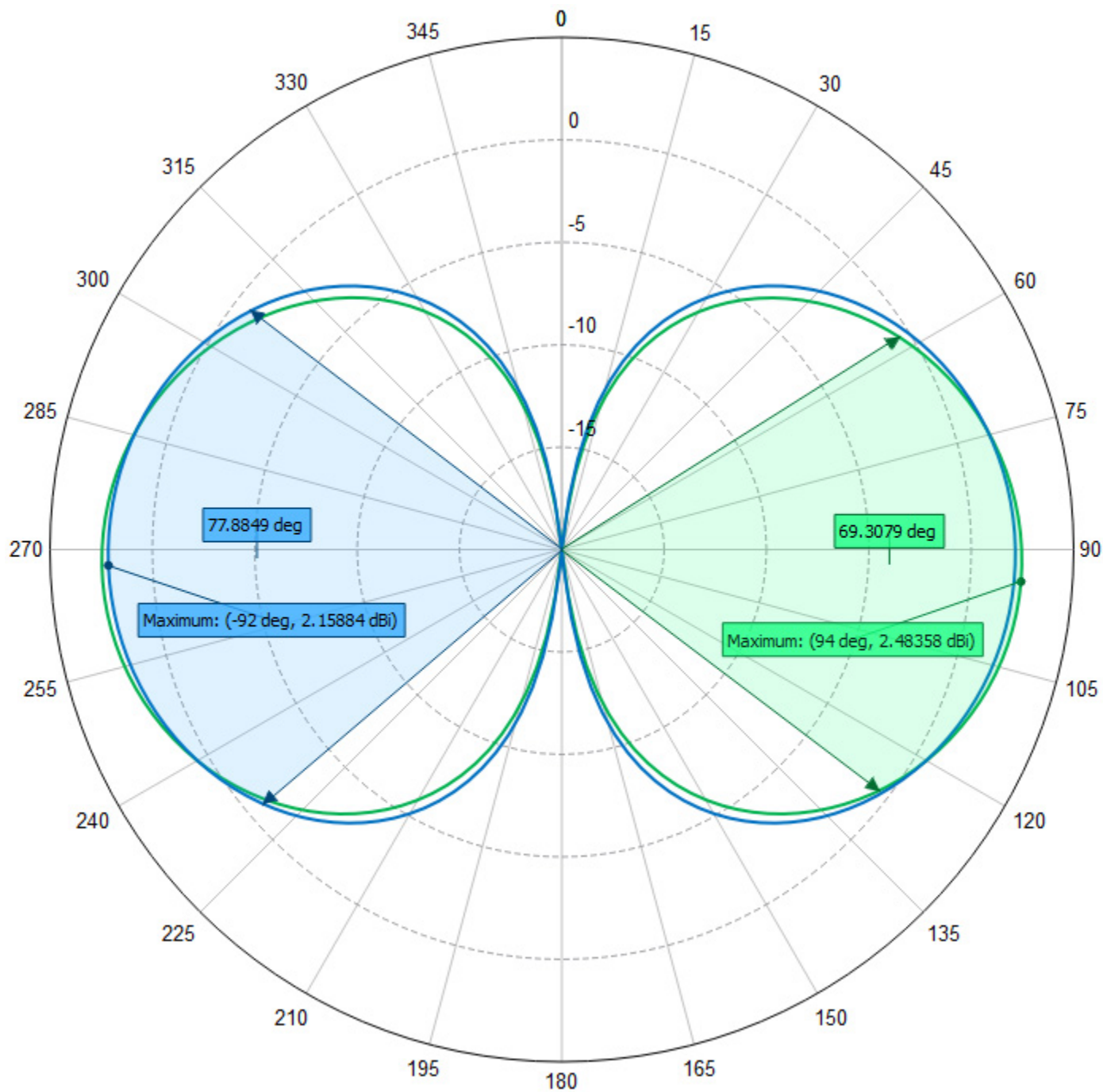
Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	S & C		
Impedance	50	Ohms	
Frequency Range 1	2.1 – 2.5 2,100 – 2,500	GHz MHz	
Frequency Range 2	4.4 – 5.9 4,400 – 5,900	GHz MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	2.5	dBi	
Polarization	Vertical		
Maximum RF Input Power	50	Watts	
Horizontal (AZ) Beamwidth	360	Degrees	
S Band Vertical (EL) Beamwidth	78	Degrees	
C Band Vertical (EL) Beamwidth	69	Degrees	
Ground Plane Required	No		
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	SMA(m)		
RF Connector Features	Black Chrome		
Product Height	7.69 / 195.33	inches / mm	±0.13"



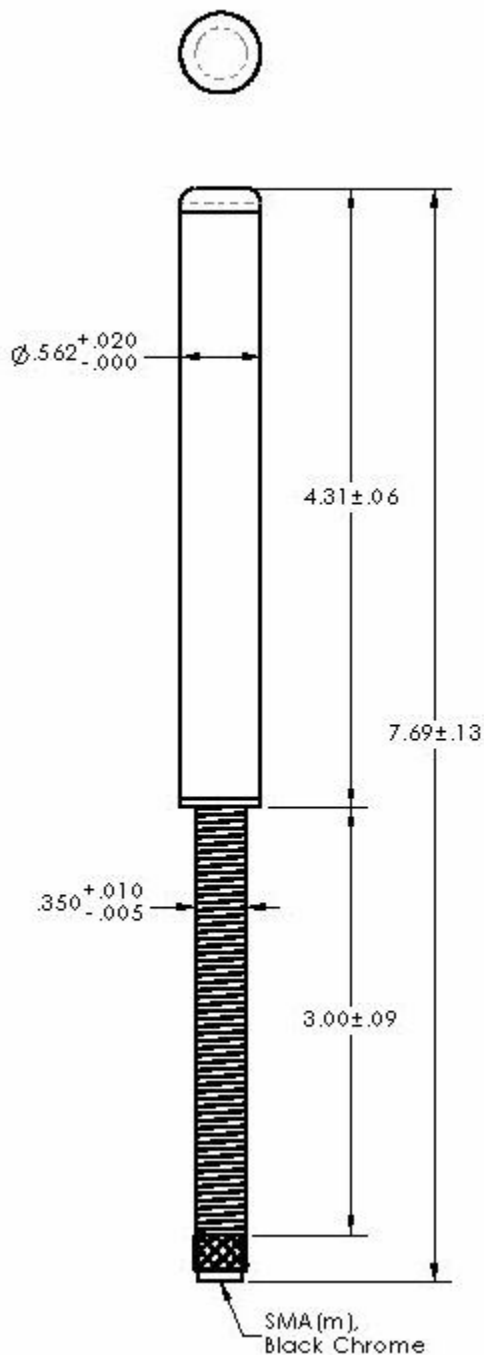
Part # 1001-060
Dual Band Omni Antenna, Half Wave Dipole, 2.1 - 2.5 GHz & 4.4 - 5.9 GHz,
2.1 / 2.5dBi, Integrated RF Coaxial Gooseneck

Parameter	Value	Units	Tolerance
Product Diameter	0.56 / 14.27	inches / mm	+0.02" / -.000"
Product Weight	2.0 / 56.7	oz / grams	



Elevation Pattern

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



Engineering Drawing

Dimensions are in inches