

Overview

Southwest Antennas Part # 1001-116 is a half wave dipole omni antenna with a frequency range of 1.35 to 1.40 GHz and 2.15 dBi of peak gain.

1001-116 features an integrated 3.33" RF Gooseneck with black chrome non-rotating Reverse Polarity 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 Reverse Polarity 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 indoor or outdoor operations.

Features:

- Broad Band Coverage
- Half Wave Dipole
- 1.35 - 1.40 GHz
- 2.15 dBi Omni Radiation Pattern
- 50W Power Handling
- Integrated 3-Inch RF Coaxial Gooseneck
- Rugged Flat Black Fiberglass Radome
- Black Chrome Non-Rotating Reverse Polarity SMA(m) RF Connector

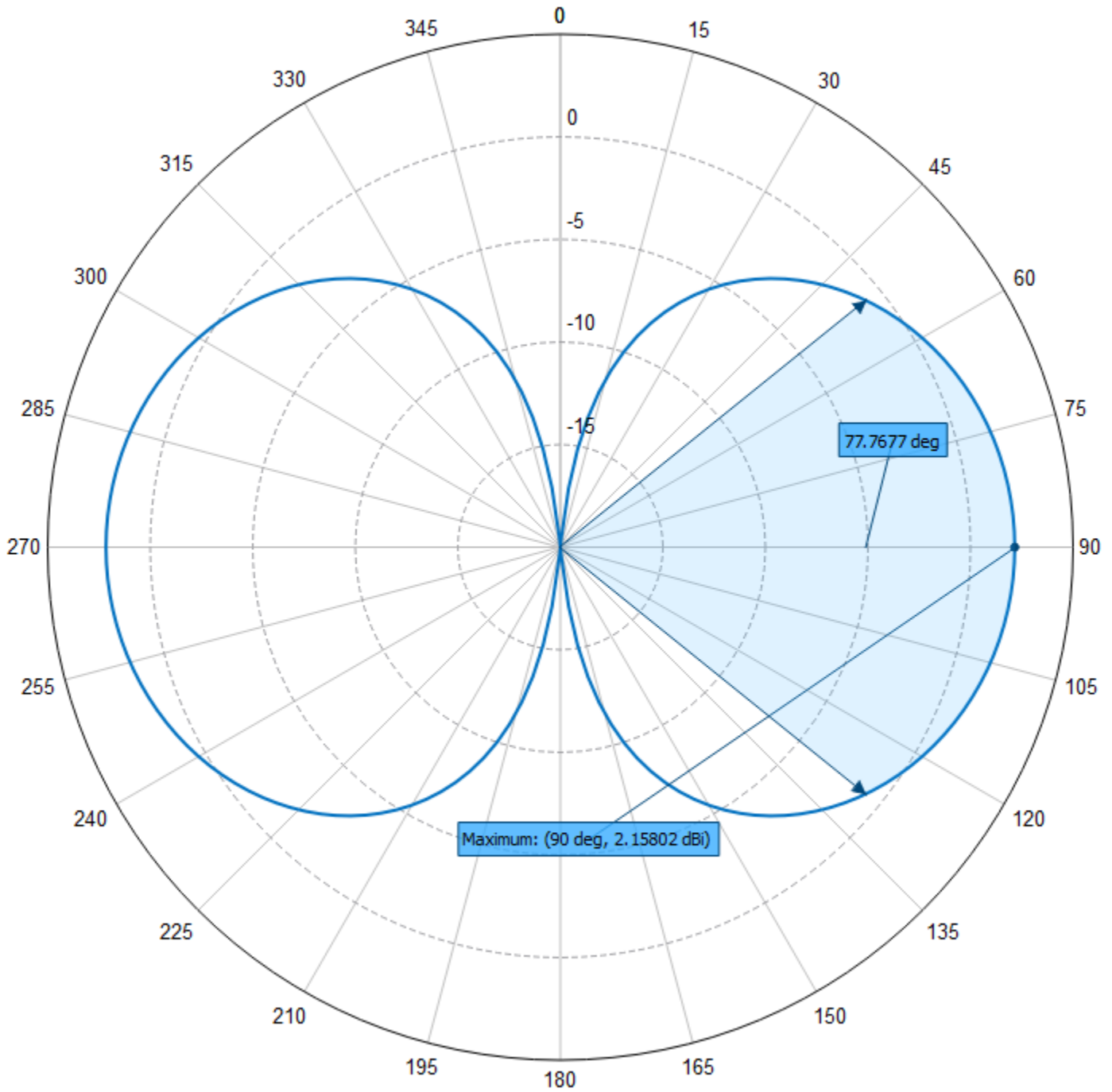


Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	L		
Impedance	50	Ohms	
Minimum Frequency	1.35 / 1,350	GHz / MHz	
Maximum Frequency	1.4 / 1,400	GHz / MHz	
Frequency Bandwidth	0.05 / 50	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	2.15	dBi	
Polarization	Vertical		
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	77	Degrees	
Ground Plane Required	No		
Radome Material	Fiberglass G10		
Color	Flat Black		
Spring or Gooseneck	Gooseneck		
Gooseneck Length	3.330 / 84.582	inches / mm	±0.09"
Gooseneck Diameter	0.350 / 8.890	inches / mm	+0.010" / -.005"
RF Connector Type	RP-SMA(m) Non-Rotating		
RF Connector Features	Black Chrome		
Product Height	8.670 / 220.218	inches / mm	±0.15"
Product Diameter	0.562 / 14.275	inches / mm	+0.02" / -.000"

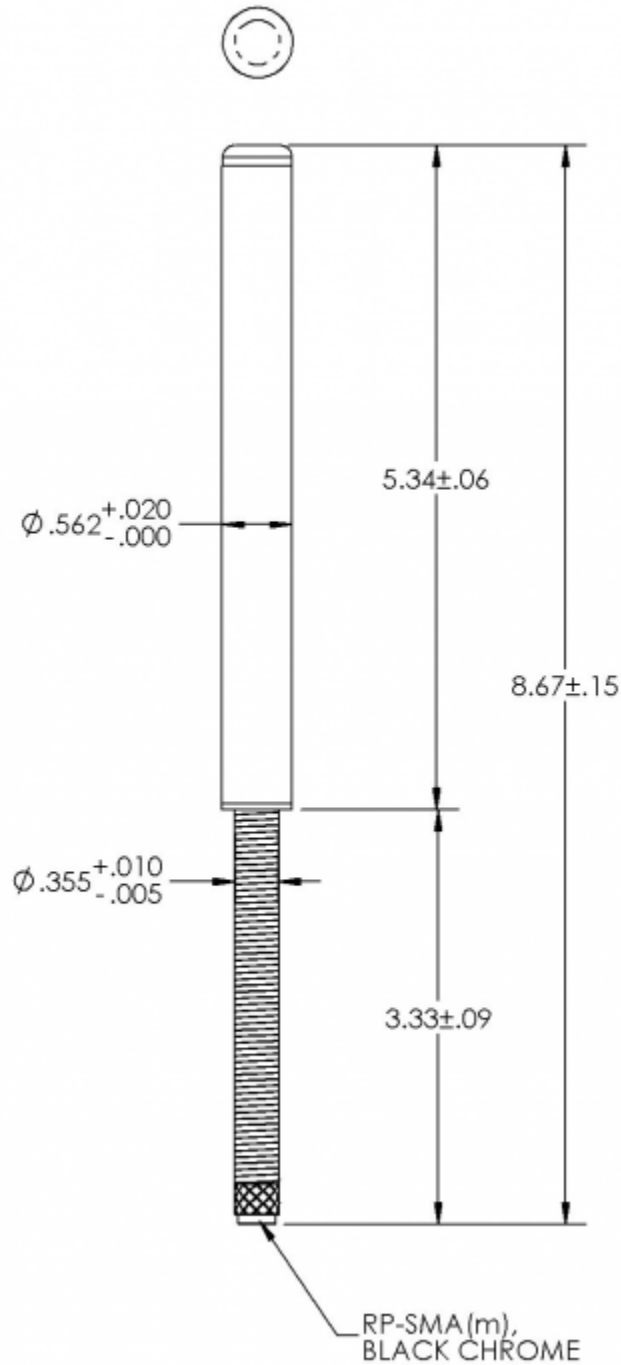


Parameter	Value	Units	Tolerance
Product Weight	2.00 / 56.70	oz / grams	



Elevation Pattern

Referenced to +5dBi



Engineering Drawing

All dimensions are in inches