

Overview

Southwest Antennas Part # 1001-202 is a rugged, small form factor half wave dipole antenna designed to operate across the 2.1 - 2.5 GHz frequency band and offers 2.15 dBi of peak gain. The antenna features a tough black G10 fiberglass radome and a black chrome TNC(m) non-rotating RF connector, making the antenna ideal for low-visibility or tactical applications.

With an overall height of 4.29 inches and weight of only 0.8 oz, the small size of this antenna makes it perfect for handheld or body-worn tactical radio systems, unmanned robotics platforms, and other applications where size and weight are critical.

Features

- Broad Band Coverage
- 2.1 - 2.5 GHz
- 50W Power Handling
- 2.15 dBi Omni Radiation Pattern
- Rugged Construction
- Low Glare Black Fiberglass Radome
- Black Chrome TNC(m) Non-Rotating RF Connector

Applications:

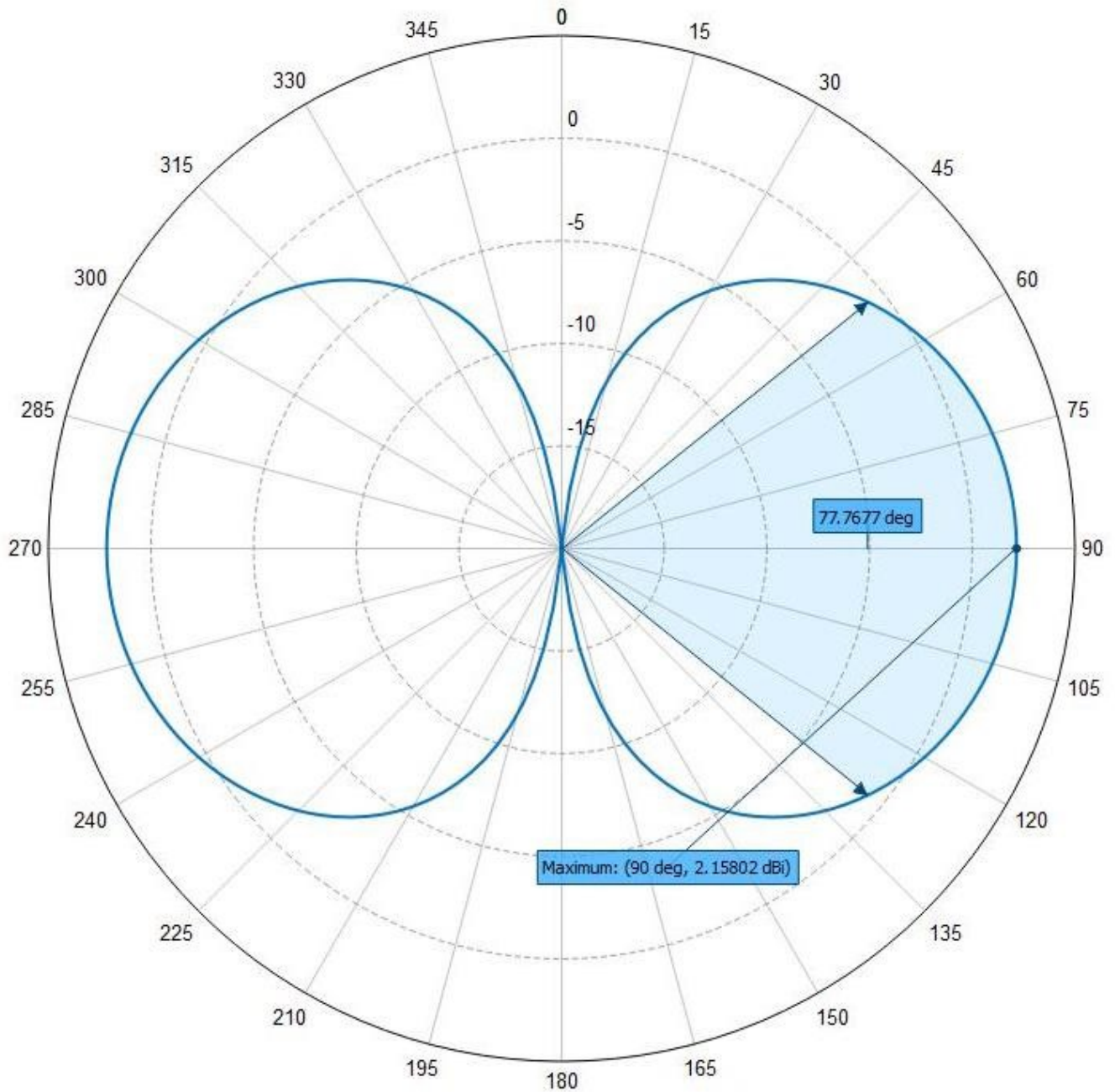
- Handheld, body-worn, or vehicle mounted tactical radio systems
- Unmanned robotics platforms
- DHS/DOJ Federal Law Enforcement applications
- Broadcast video
- 2.4 GHz ISM applications



Product Specifications

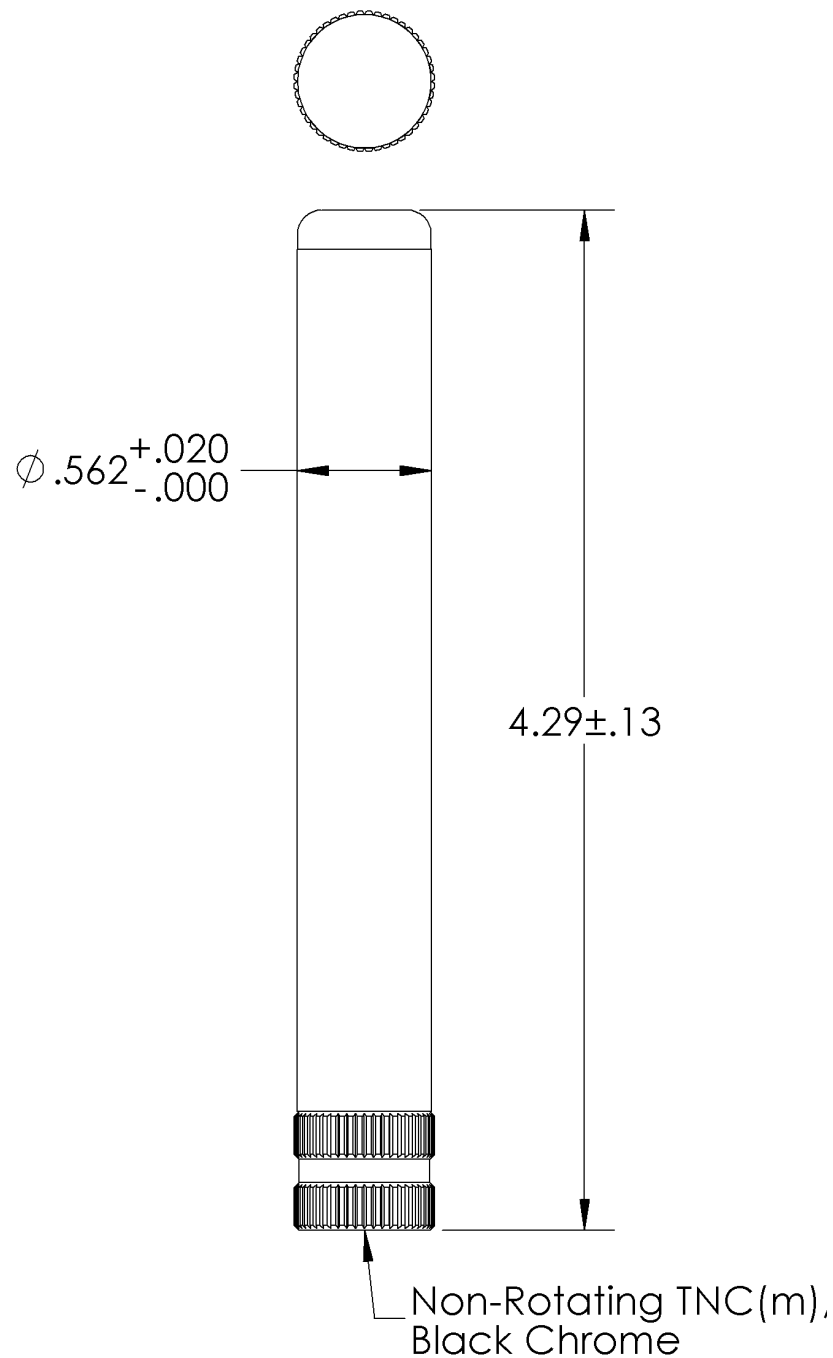
Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	S		
Impedance	50		
Minimum Frequency	2.1 / 2,100	GHz / MHz	
Maximum Frequency	2.5 / 2,500	GHz / MHz	
Frequency Bandwidth	0.4 / 400	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	2.15	dBi	
Polarization	Vertical		
Color	Black		
Maximum RF Input Power	50	Watts	
Horizontal AZ Beamwidth	360	Degrees	
Vertical EL Beamwidth	77	Degrees	
Radome Material	G10 Fiberglass		
Gooseneck	No		
Ground Plane Required	No		
Maximum Wind Velocity	161	kph	
RF Connector Type	TNC(m) Non-Rotating		
RF Connector Finish	Black Chrome		
Operating Temperature Range	-40 to +85	C	
Product Height	4.29 / 108.97	inches / mm	±.13"
Product Diameter	0.562 / 14.275	inches / mm	+.020" / -.000"

Parameter	Value	Units	Tolerance
Product Weight	0.80 / 22.68	oz / g	



Elevation Pattern

Referenced to +5 dBi



Engineering Drawing

All dimensions are in inches