

Overview

Southwest Antennas Part # 1001-201 is a omni-directional half wave dipole antenna that operates from 340 - 470 MHz and features 2 dBi of peak gain across the operational frequency range of the antenna. The integrated rugged spring base allows the antenna to bend and flex with impacts and return to its original vertical operating position, helping to prevent damage to the mated RF connector and attached radio.

The antenna's flat black finish and black chrome TNC(m) RF connector allows this antenna to be deployed for low visibility operations.

Features

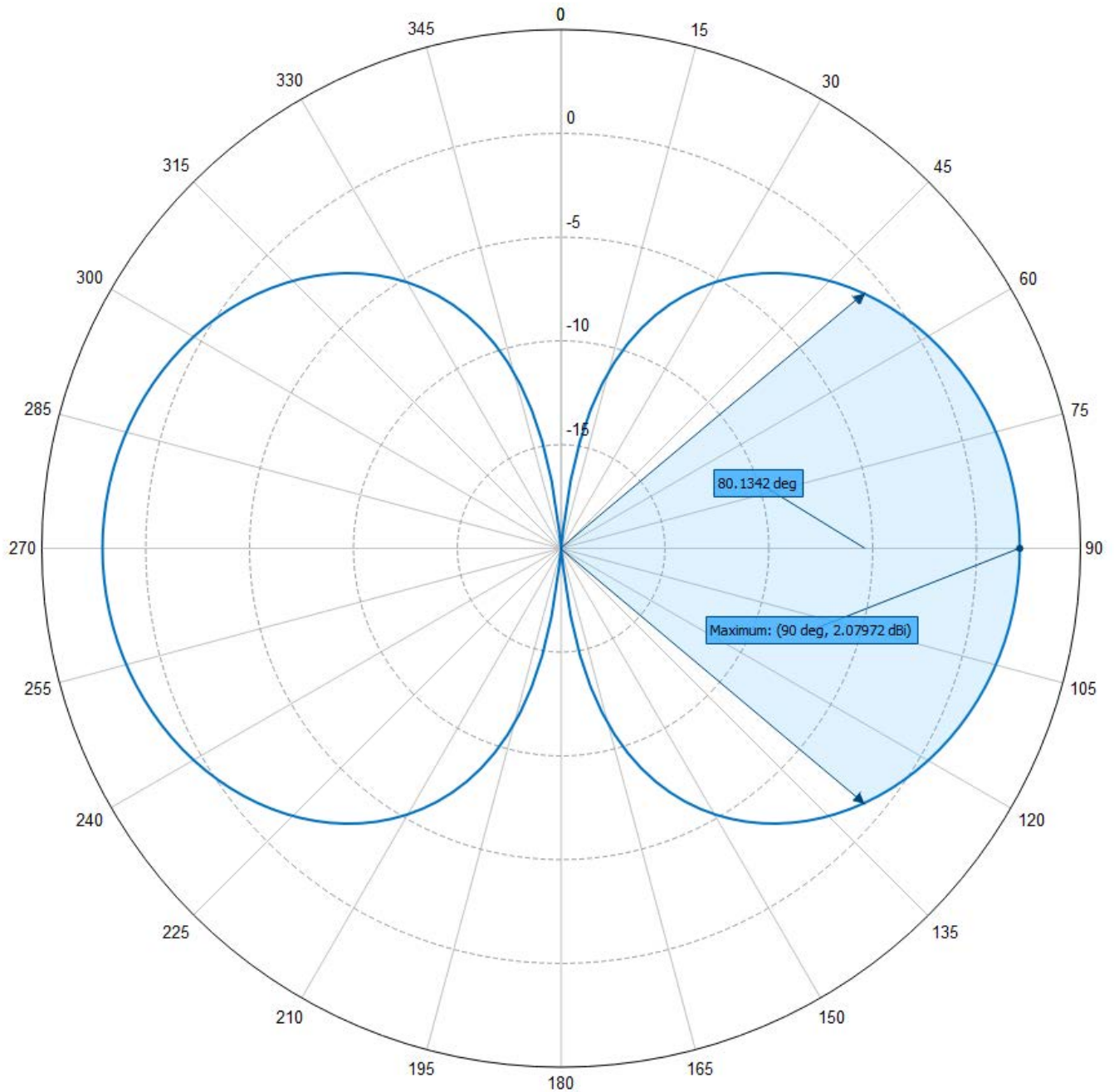
- Broad Band Coverage
- 340 - 470 MHz
- 2 dBi Omni Radiation Pattern
- Rugged Construction
- Low-Glare Black Radome
- Black Chrome TNC(m) RF Connector
- Heavy Duty Spring Base



Product Specifications

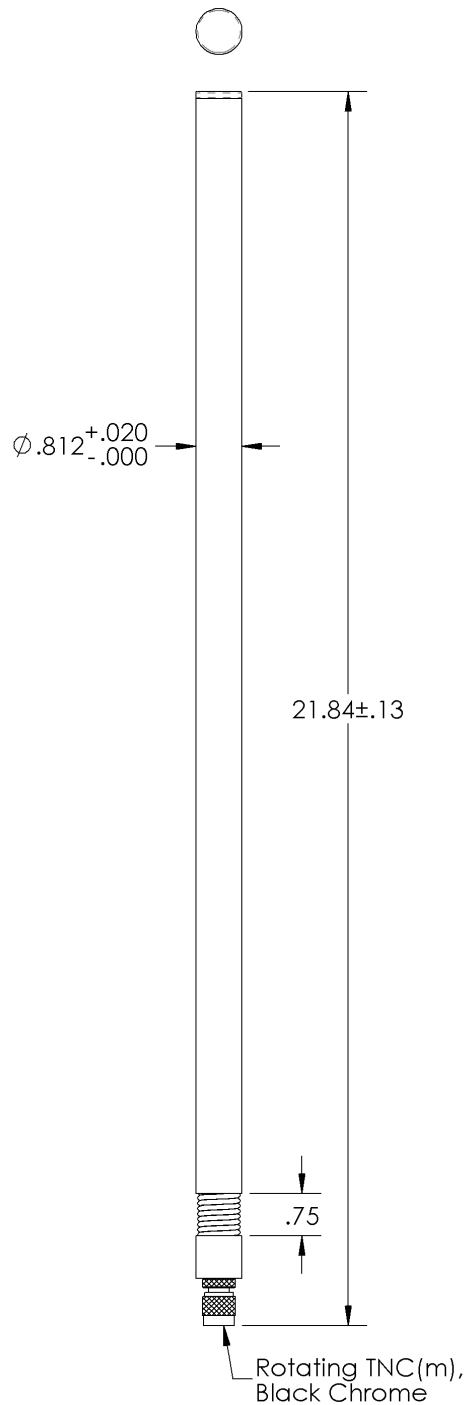
Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	UHF		
Impedance	50		
Minimum Frequency	0.34 / 340	GHz / MHz	
Maximum Frequency	0.47 / 470	GHz / MHz	
Frequency Bandwidth	0.13 / 130	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	2.00	dBi	
Polarization	Vertical		
Color	Black		
Maximum RF Input Power	50	Watts	
Horizontal AZ Beamwidth	360	Degrees	
Vertical EL Beamwidth	80	Degrees	
Spring Or Gooseneck	Spring		
Spring	Yes		
Spring Length	.75 / 19.05	inches / mm	
Spring Diameter	.75 / 19.05	inches / mm	
Gooseneck	No		
Ground Plane Required	No		
Maximum Wind Velocity	100	kph	
RF Connector Type	TNC(m)		
RF Connector Finish	Black Chrome		

Parameter	Value	Units	Tolerance
Product Height	21.84 / 554.74	inches / mm	±.13"
Product Diameter	0.812 / 20.625	inches / mm	+.020" / -.000"
Product Weight	8.00 / 226.80	oz / g	



Elevation Pattern

Referenced to +5 dBi



Engineering Drawing

All dimensions are in inches