

## Overview

Southwest Antennas Part # 1085-230 is a 4 section collinear omni-directional antenna with a frequency range of 1.35 to 1.39 GHz and 6 dBi of peak gain.

A matte black radome and black chrome TNC(m) RF connector offers a low visibility finish that will not attract attention when deployed. The waterproof sealed spring base allows the antenna to bend or flex with impact and return to its vertical operating position, reducing risk of damage to the antenna or mated radio RF connector. The weatherproof seal keeps the spring free of from dirt, sand, mud, rain, or other fouling debris.

## Features:

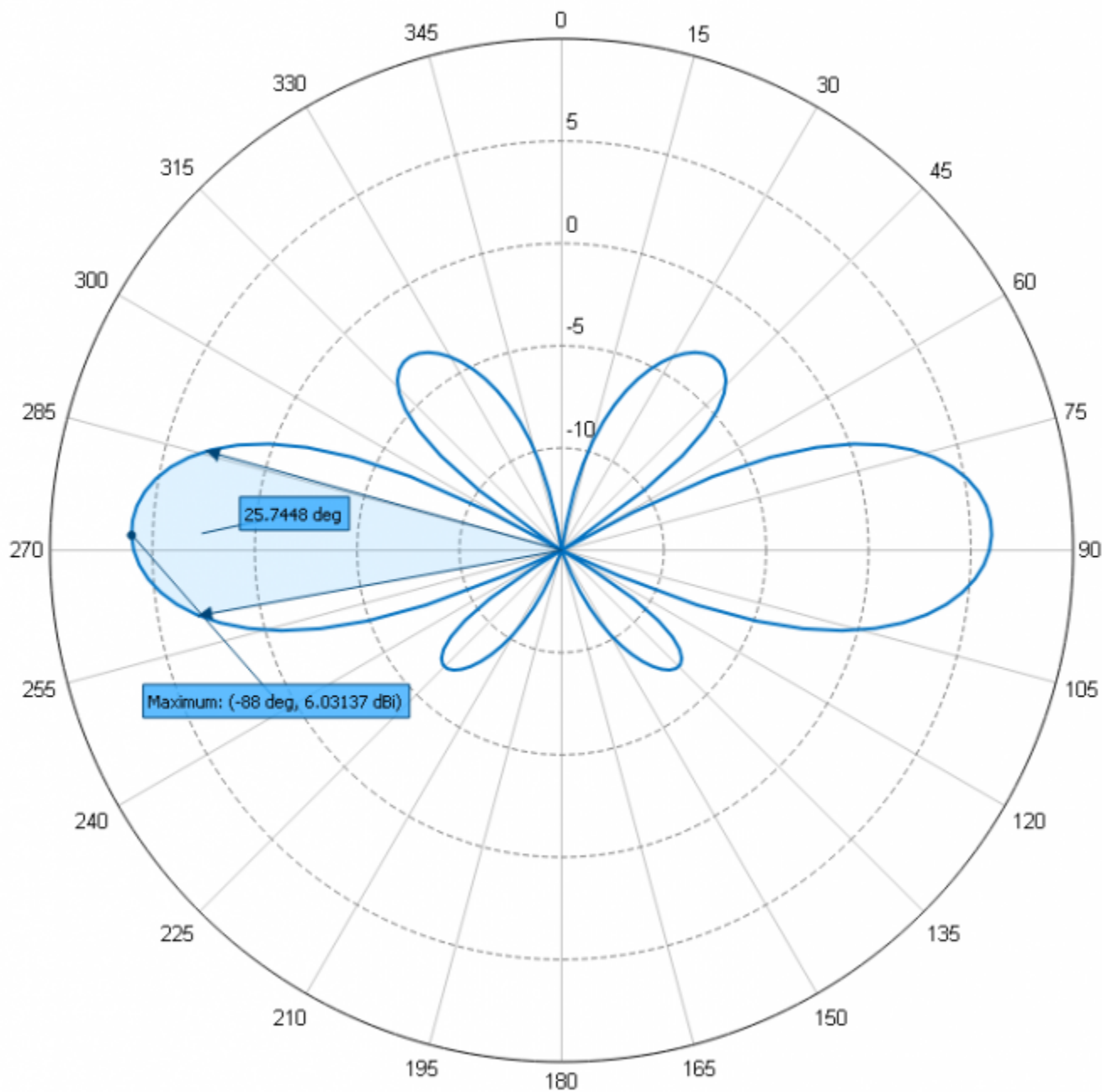
- Broad Band Coverage
- 4 Section Collinear
- 1.35 - 1.39 GHz
- 6 dBi Omni Radiation Pattern
- Rugged Construction Low Glare Black Radome
- End Cap Lettering "L"
- Heavy Duty Sealed Spring Base
- Black Chrome TNC(m) RF Connector



### Antenna Specifications

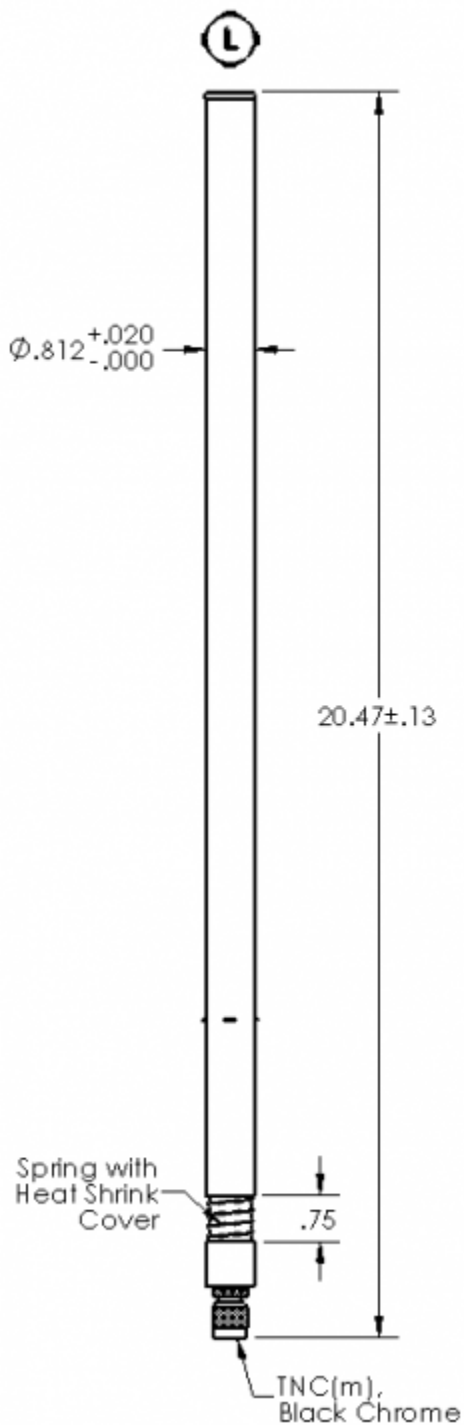
Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	L		
Impedance	50	Ohms	
Minimum Frequency	1.35 / 1,350	GHz / MHz	
Maximum Frequency	1.39 / 1,390	GHz / MHz	
Frequency Bandwidth	0.04 / 40	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	6	dBi	
Polarization	Vertical		
Maximum RF Input Power	8	Watts	
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	25	Degrees	
Ground Plane Required	No		
Radome Material	Fiberglass		
Color	Black		
Spring or Gooseneck	Spring		
Spring Length	0.75 / 19.05	inches / mm	
Spring Diameter	0.75 / 19.05	inches / mm	
Spring Bend	±45	Degrees	Maximum (exceeding ±45 degrees may damage spring weather seal)
Maximum Wind Velocity	100 / 161	mph / kph	
RF Connector Type	TNC(m)		

Parameter	Value	Units	Tolerance
<b>RF Connector Features</b>	Black Chrome		
<b>Product Height</b>	20.47 / 519.94	inches / mm	±0.13"
<b>Product Diameter</b>	0.81 / 20.62	inches / mm	+0.02" / -.000"
<b>Product Weight</b>	4.5 / 127.6	oz / grams	



**Elevation Pattern**

Referenced to +10 dBi



**Engineering Drawing**

All dimensions are in inches