

## Overview

Southwest Antennas Part # 1000-031 is a 3G Cellular Omni Antenna, covering 824 MHz to 2,170 MHz. The antenna features a thin form factor and articulating SMA(m) RF connector.

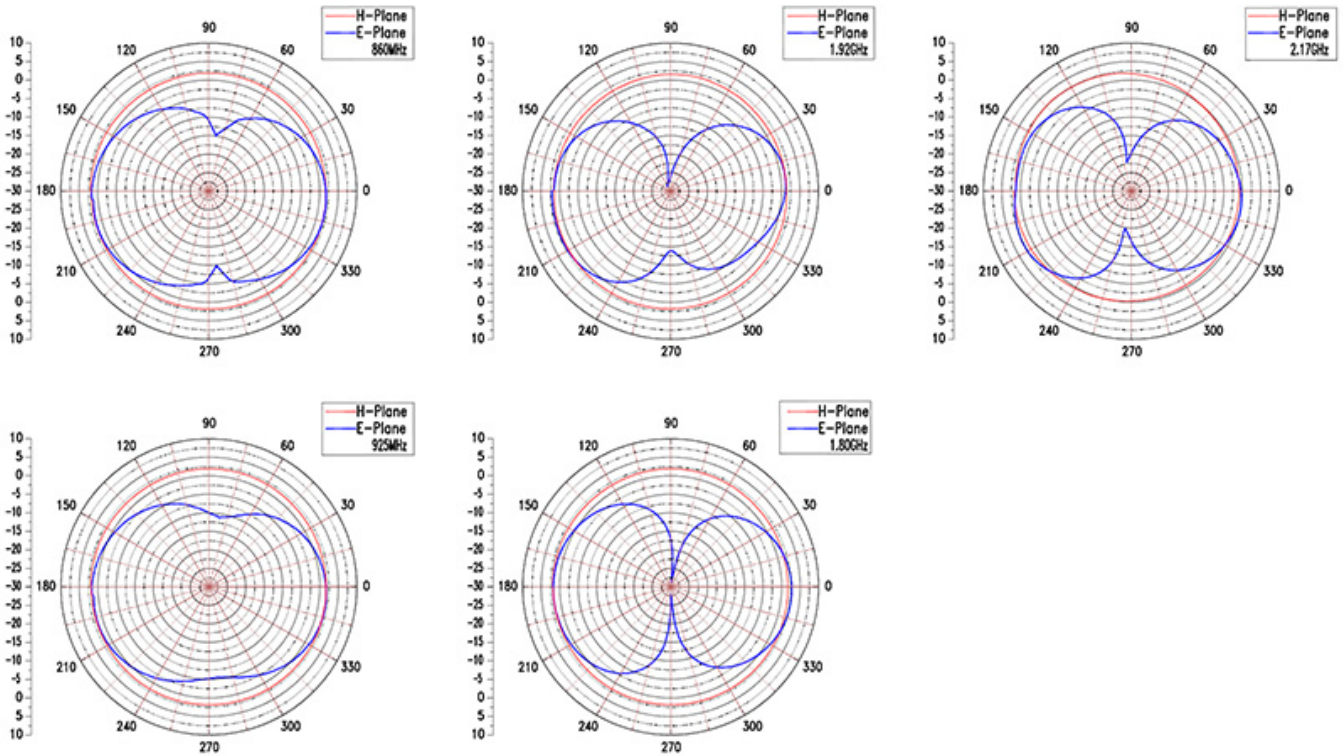
## Features

- 3G Cellular Coverage for all U.S. and worldwide bands
- 824 MHz to 2,170 MHz frequency band coverage
- Articulating SMA(m) RF connector
- 2 dBi omni-directional radiating pattern
- RoHS compliant

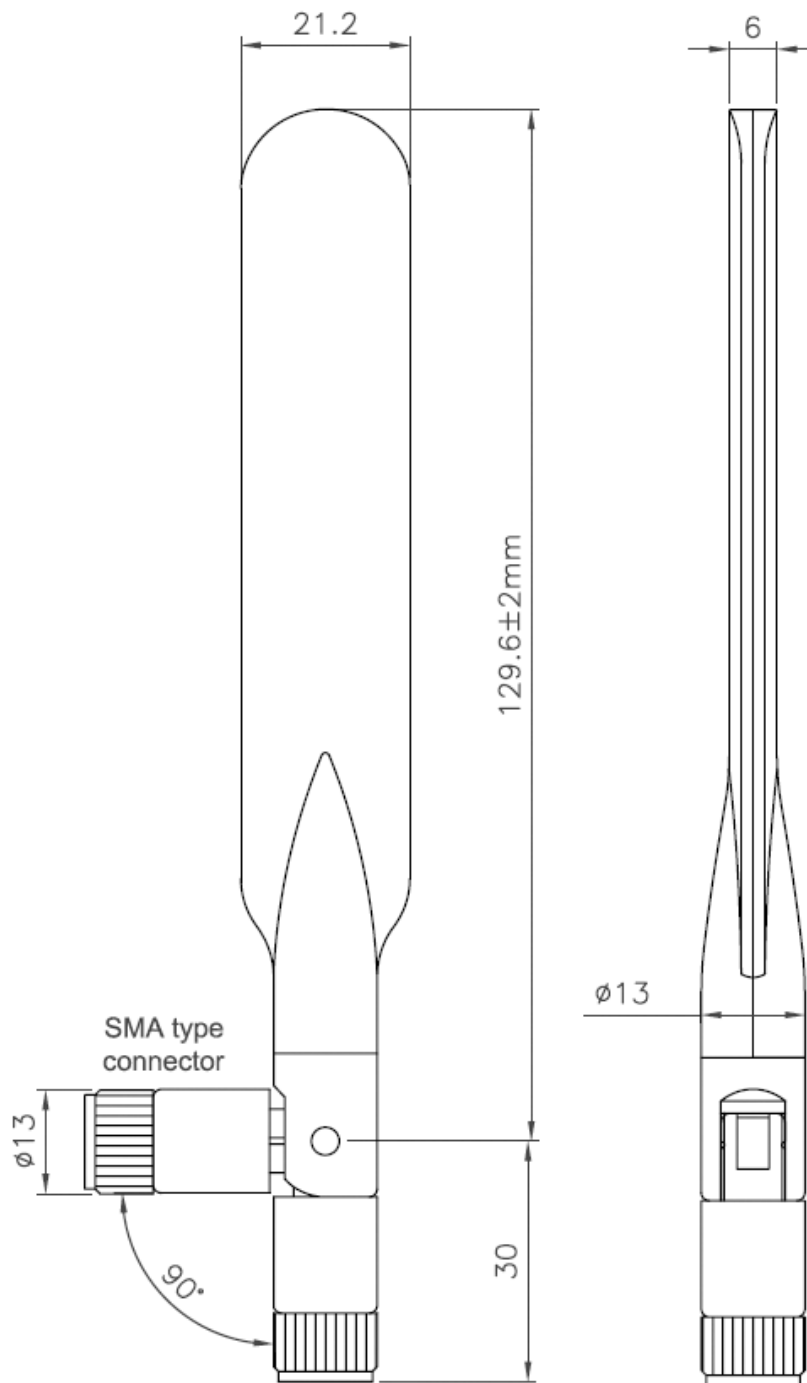


**Product Specifications**

<b>Parameter</b>	<b>Value</b>	<b>Units</b>	<b>Tolerance</b>
Antenna Pattern	Omni Antenna		
Impedance	50		
Minimum Frequency	0.824 / 824	GHz / MHz	
Maximum Frequency	0.896 / 896	GHz / MHz	
Minimum Frequency 2	0.89 / 890	GHz / MHz	
Maximum Frequency 2	0.96 / 960	GHz / MHz	
Maximum VSWR	<3.0:1	Ratio	
Maximum Gain	2.00	dBi	
Polarization	Vertical		
Color	Black		
Materials	Polycarbonate		
Ground Plane Required	No		
Mount Style	Swivel Mount RF Connector		
RF Connector Type	SMA(m)		
Operating Temperature Range	-30 °C to +75 °C		
Product Length	0.83 / 21.18	inches / mm	
Product Width	0.24 / 5.99	inches / mm	
Product Height	5.10 / 129.59	inches / mm	±.007"



**Azimuth (Red) and Elevation (Blue) Patterns**



### Engineering Drawing

All dimensions are in MM