

# ANT-120-008

## 3-6 dBi Omni-Directional 4G/5G/CBRS Terminal Antenna



### Applications

- Direct Replacement for Low Gain Antennas included with many Cellular Products
- 4G/5G Routers & Modems
- FirstNet and CBRS Equipment
- Cellular Amplifiers
- Optional Magnetic Base



### Product Features

- Compatible with most Cellular Modems/Routers
- Compatible with all 4G/5G Sub-6 (FR1) Networks
- Supports FirstNet, CBRS and 3.5 GHz C-Band
- 3 – 6 dBi Peak Gain
- Omni-Directional
- Integrated SMA Male Connector & Ground-Plane
- Swivels 90° & Rotates 360°

### Ordering Information

Part No.	Description
ANT-120-008	Universal Wide-Band 3-6 dBi Omni-Directional Swivel Terminal Antenna – SMA
ANT-120-008-2PK	2 Pack of Identical Antennas

### General Description

The Proxicast Flat Swivel Paddle Terminal Antenna is an efficient mid-gain 4G/5G/FirstNet/CBRS omni-directional antenna. The "rubber-duck" style antenna is 8.7 inch tall and provides up to 6 dBi of gain. This antenna supports all 3G, 4G/LTE, sub-6 5G, CBRS (OnGo) and FirstNet frequency bands (600-6000 MHz) used by U.S. and Canadian cellular carriers such as Verizon Wireless, AT&T Wireless, T-Mobile, Rogers, Bell Mobility and Telus as well as most other cellular operators worldwide.

The U.S. 5G FR1 bands covered include low frequency bands n71 (T-Mobile), n5 (AT&T, Verizon), n2 (Verizon), n66 (Verizon) and mid frequency C-bands n41 (T-Mobile) and n77 (AT&T, Verizon). All 4G/LTE bands used worldwide are also covered.

The polycarbonate antenna's 3-way hinge rotates 360 degrees, swivels 180 degrees and tilts 90 degrees for optimal positioning and maximum signal reception.

The SMA male screw-on plug and integrated ground-plane make installation simple. This antenna is a smart choice for applications where extra gain is required.

Compatible with all SMA-based equipment including modems and routers from Cisco, Cradlepoint, Digi, Pepwave, Proxicast, Sierra Wireless, Sixnet/Red Lion and many others.

For MIMO applications use 2 identical antennas.

Compatible with Proxicast's 3.5-inch Pro-Grade SMA Magnetic Antenna Base (ANT-120-MB5).

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### Electrical Specifications

Parameter	Rating
Frequency Range	600-6000 MHz includes all 3G, 4G, 5G, CBRS, FirstNet Bands
Gain	3 – 6 dBi
VSWR (in band)	≤ 3.0:1
Input Impedance	50 Ohm
Polarization	Vertical
Max Input Power	50 W
DC Grounded	No
Ground Plane	Not Required

### Mechanical Specifications

Parameter	Rating
Connector Type	SMA Male (plug)
Length	8.7 inches / 221 mm
Width	2.3 inches / 58 mm
Weight	2.3 oz / 65 g
Materials	Polycarbonate / Brass - RoHS compliant
Antenna Color	Black
Operating Temperature	-40°C to +60°C

Operation of this device outside the parameter ranges given above may cause permanent damage.

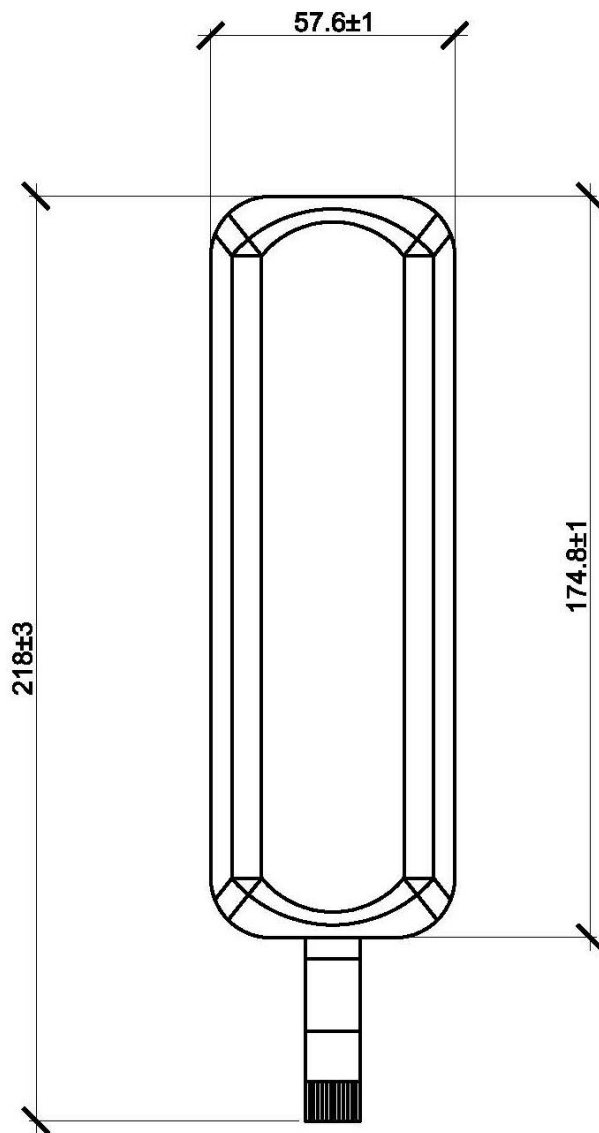
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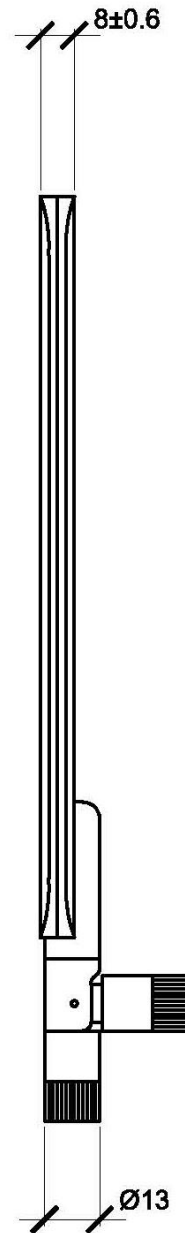


## Mechanical Dimensions

Dimensions in millimeters



FRONT VIEW



SIDE VIEW

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**3-6 dBi Omni-Directional 4G/5G/CBRS Terminal Antenna**



## Additional Product Images



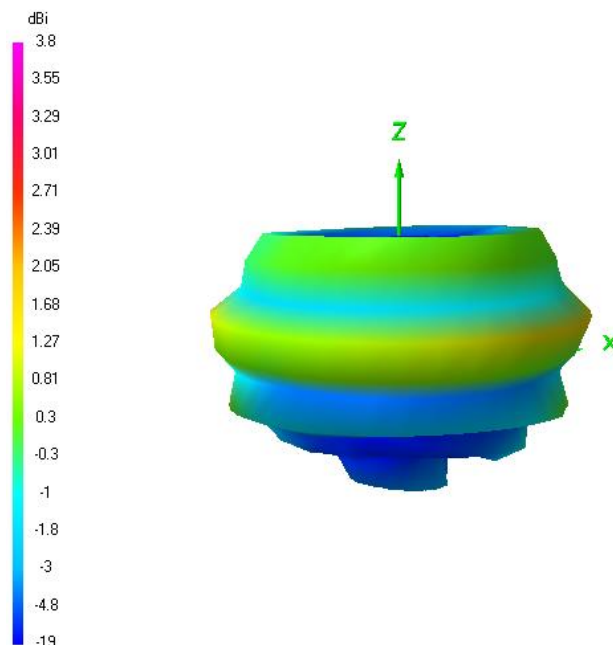
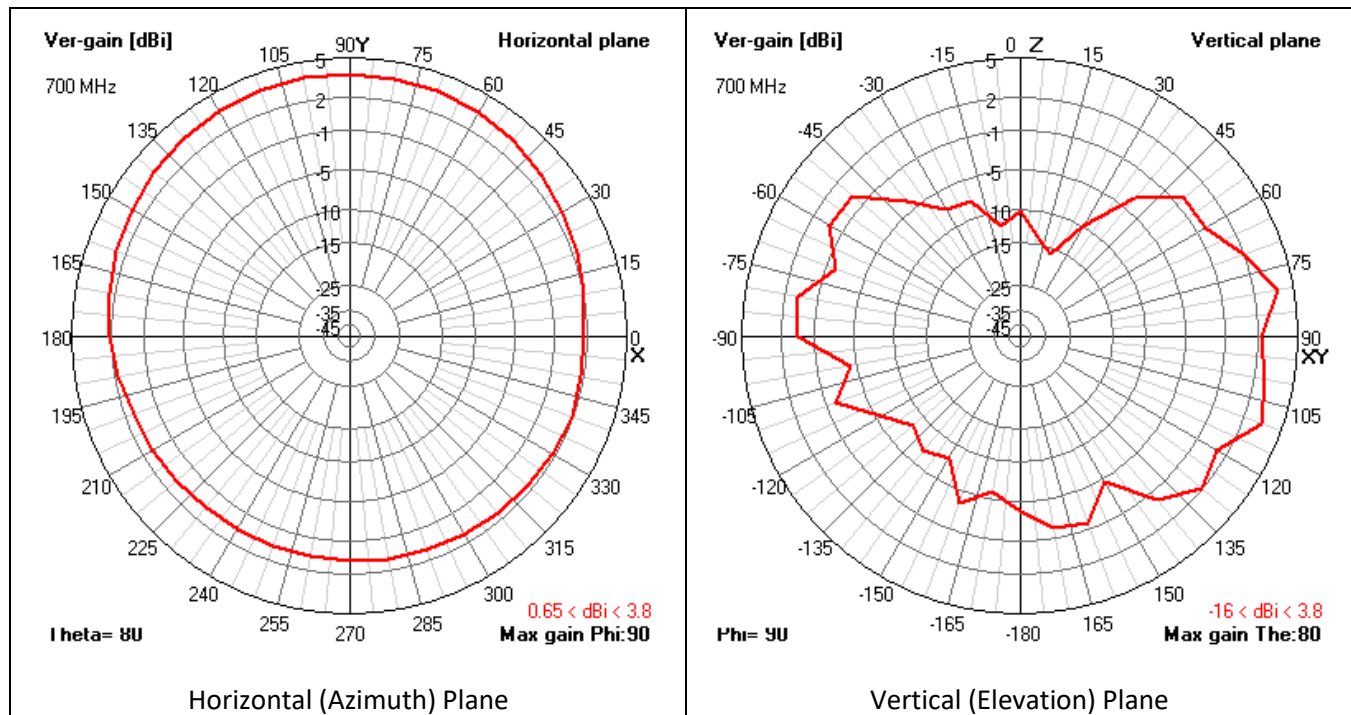
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## Radiation Patterns

700 MHz



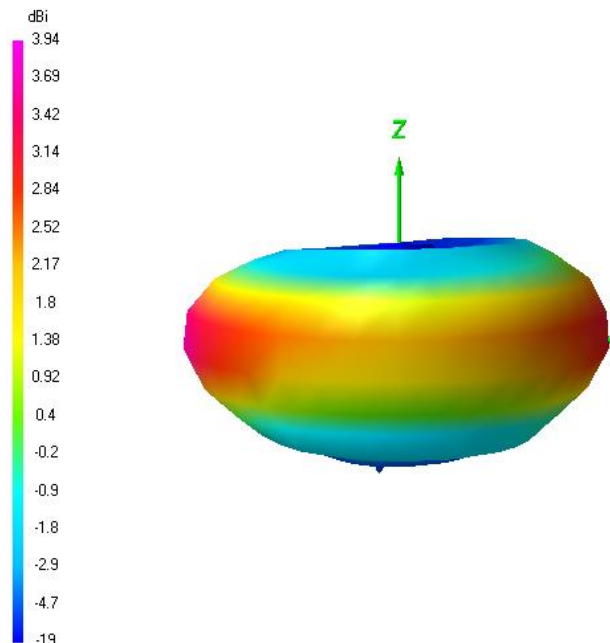
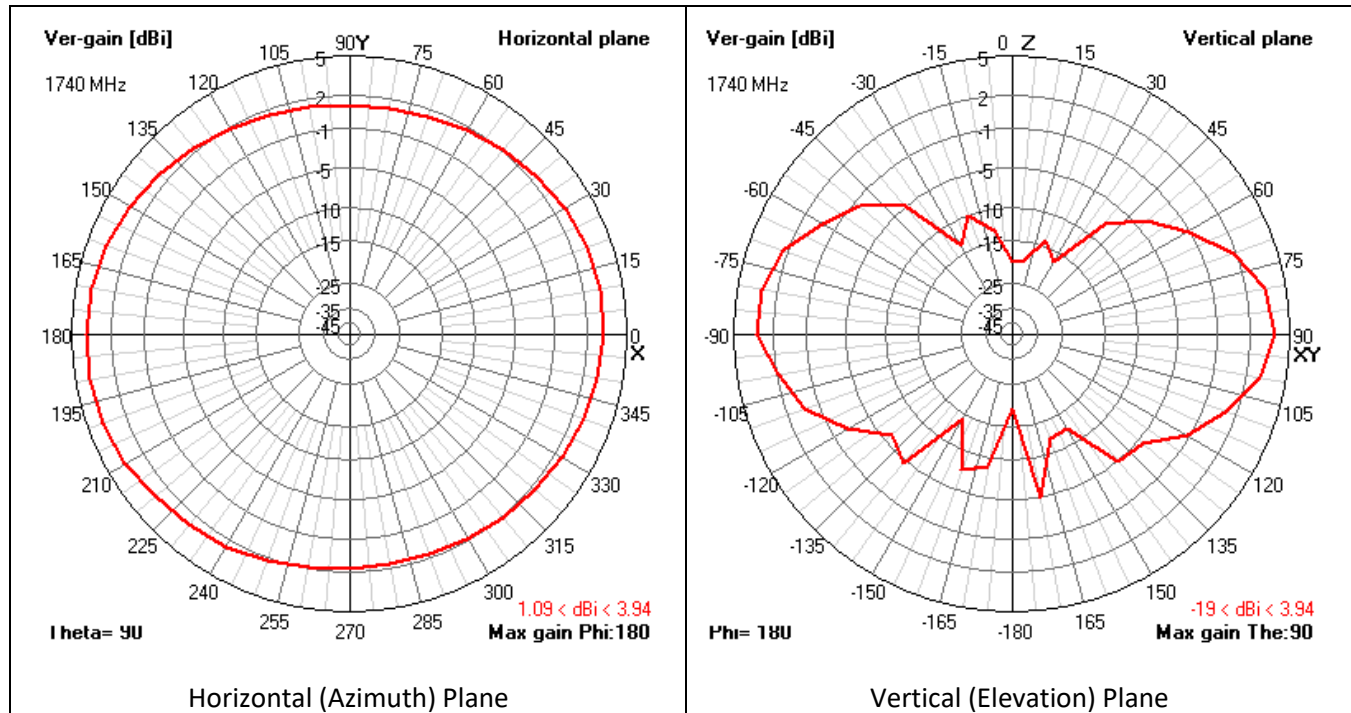
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## Radiation Patterns

1740 MHz



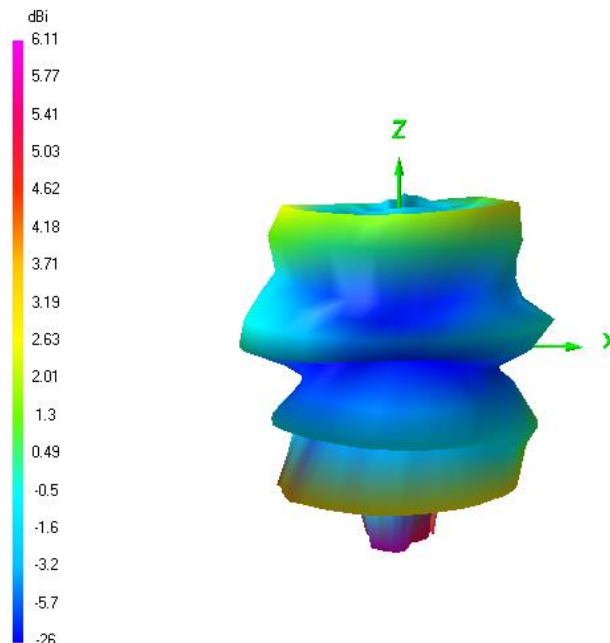
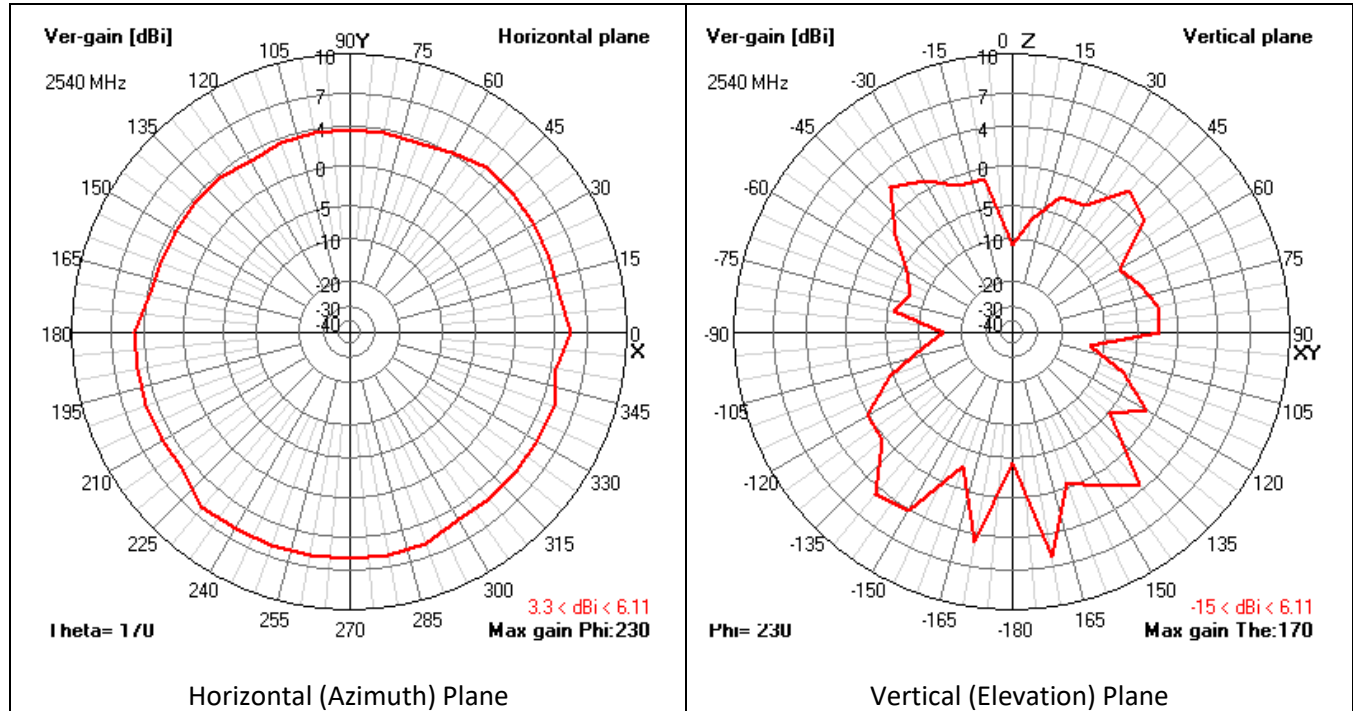
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## Radiation Patterns

2540 MHz





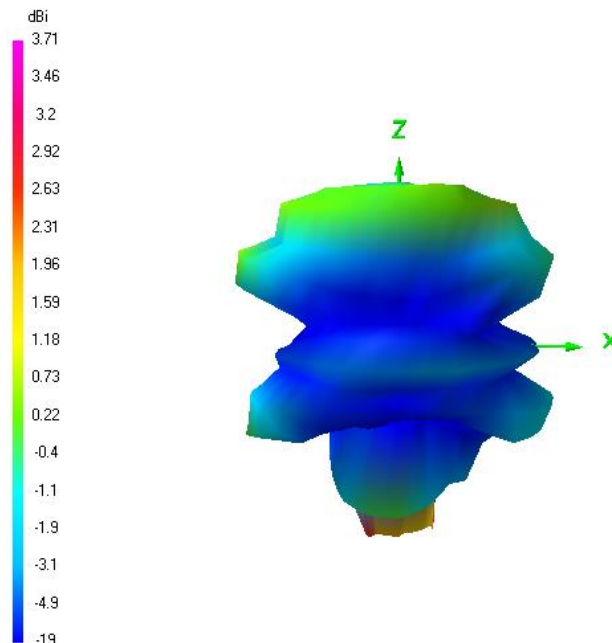
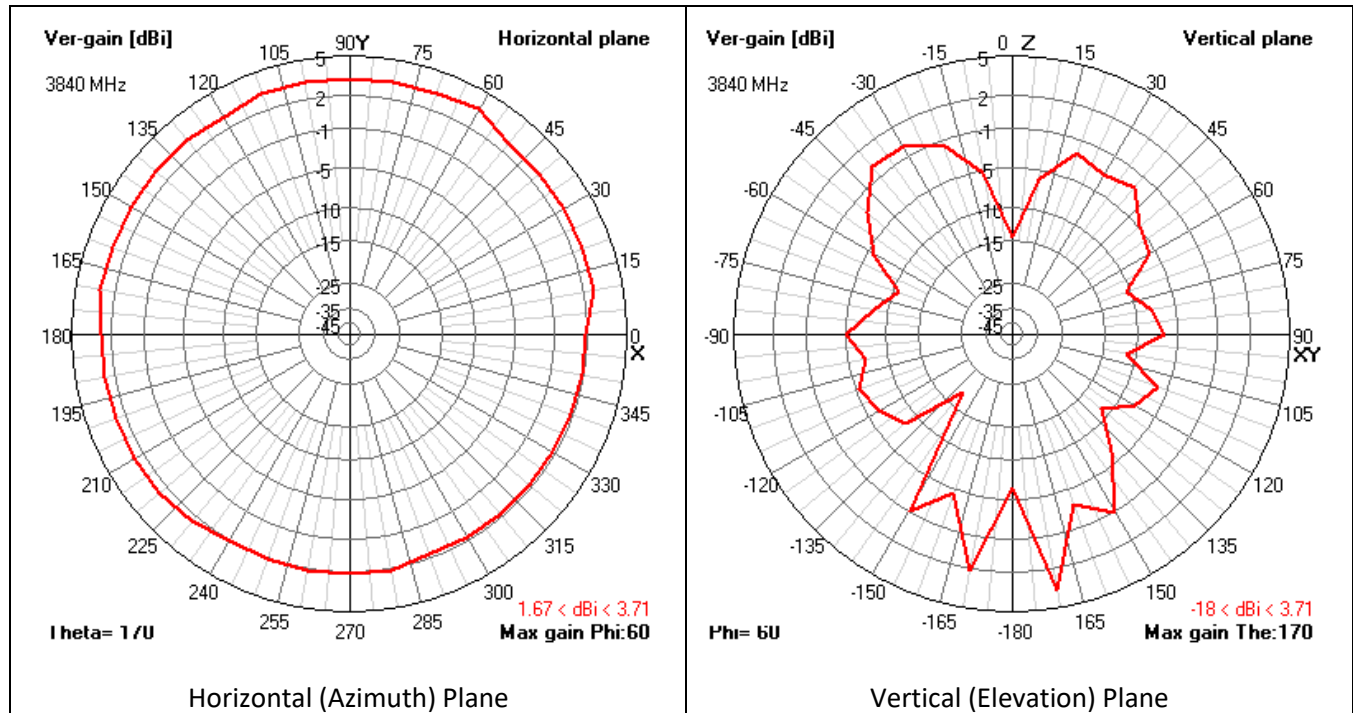
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## Radiation Patterns

3840 MHz





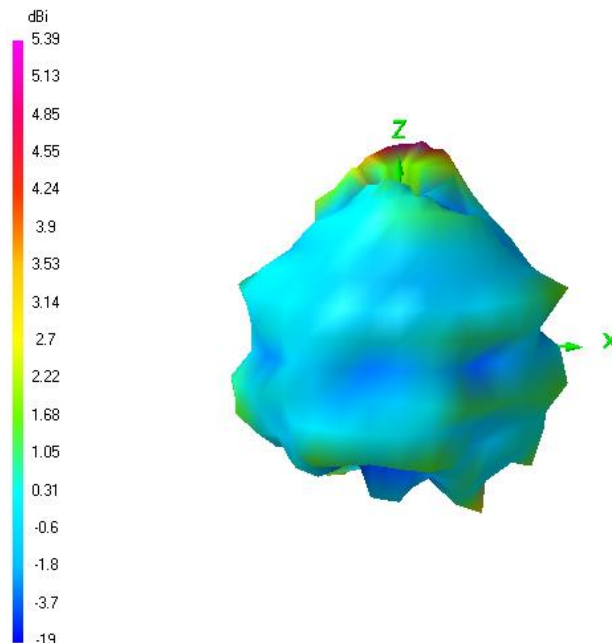
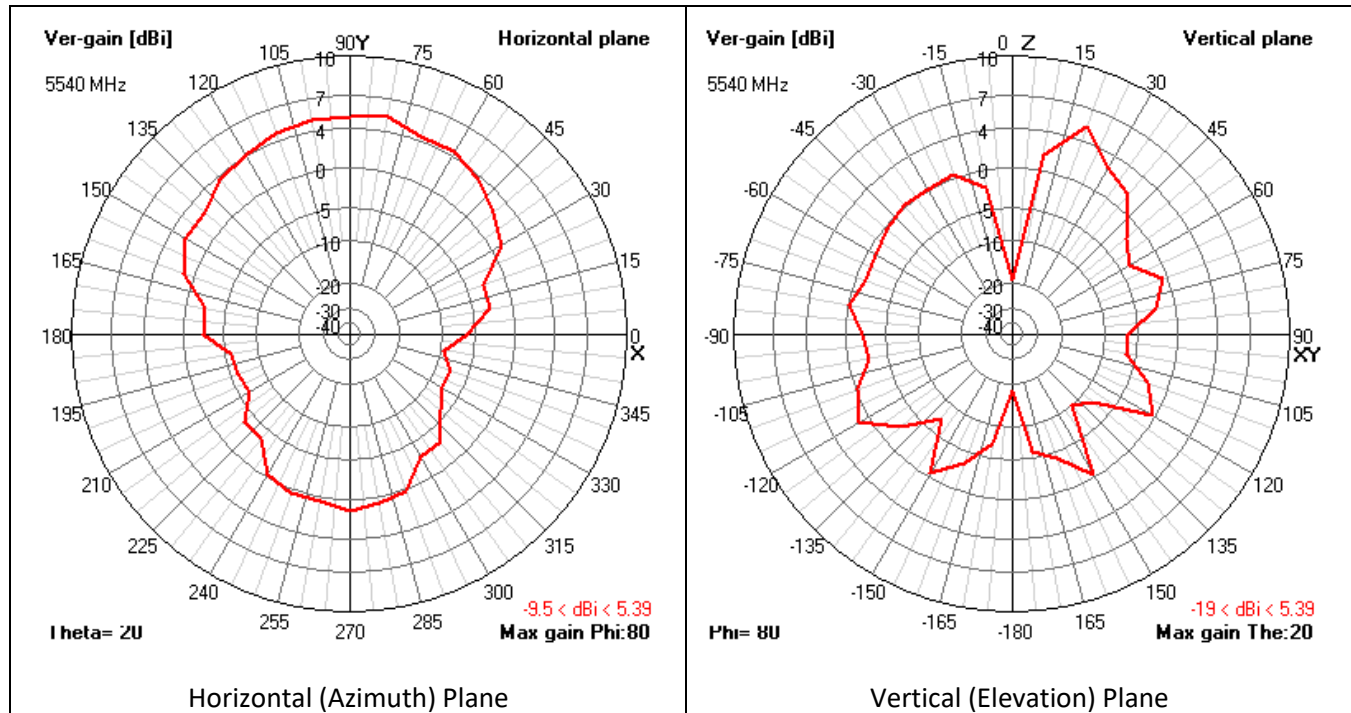
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## Radiation Patterns

5540 MHz



### Installation Instructions

- Orient antenna vertically
- Position away from:
  - CRT/TVs
  - Lighting fixtures & motors
  - Other antennas & wireless devices
  - Low-E or tinted/coated windows
  - Large vertical metal or concrete objects
- Fully tighten antenna connector to modem's antenna jack
- Rotate to find strongest signal
- Use 2 identical antennas if modem supports diversity or MIMO

### Contact Information

For the latest specifications, additional product information, worldwide sales and information about Proxicast:

Web: [www.proxicast.com](http://www.proxicast.com) Tel: 1-877-777-7694

Email: [sales@proxicast.com](mailto:sales@proxicast.com) 1-412-213-2477

**Proxicast • 312 Sunnyfield Drive, Suite 200 • Glenshaw, PA 15116 USA**

For technical questions and application information:

Email: [support@proxicast.com](mailto:support@proxicast.com)

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