

# ANT-127-002

## 10 dBi Omni-Directional 4G/5G Fiberglass Antenna



### Applications

- 4G/LTE & 5G Sub-6 Routers & Modems
- Cellular Amplifiers
- Signal Challenged Locations Requiring High Gain Omni-Directional Antennas
- Pole & Wall Mount Options



### Product Features

- Compatible with most Cellular Modems/Routers
- Compatible with all 4G/LTE & 5G Sub-6 Networks
- Integrated N Female Connector
- No Ground Plane Required
- White Polyurethane Coated Fiberglass
- 24 inches Tall

### Ordering Information

Part No.	Description
ANT-127-002	Proxicast High Gain 10 dBi 4G/5G Omni-Directional Pole/Wall Fixed Mount Fiberglass Outdoor Antenna

### General Description

Proxicast's 24 inch easy-to-install permanent mount omni-directional antenna improves transmit and receive signals for all 4G/LTE and sub-6 GHz 5G frequencies on Verizon, AT&T, T-Mobile, US Cellular, Bell Mobility, Rogers, Telus, Sasktel, Telcel, Movistar, Digicel and many other cellular operators worldwide.

The omni-directional design provides high gain without the cellular tower location and alignment hassles of directional antennas.

Its gloss white finish blends into any environment and makes it ideal for many outdoor applications, including building rooftops, utility poles, surveillance trailers, well sites, remote telemetry units, meters, homes and offices.

With the appropriate adapter cable (not included), this antenna is compatible with Mi-Fi Hotspots, external 4G/5G cellular modems, routers and signal amplifiers from companies such as CalAmp, Cisco, Cradlepoint, Digi, Inseego, MoFi, Netgear, Pepwave, Proxicast, Sierra Wireless, SureCall, Wilson and ZTE.

For MIMO applications use 2 identical antennas. Proxicast's XBOOM Cross-Over Bracket (ANT-800-XB1) makes it easy to mount 2 antennas on a single vertical mast.

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### Electrical Specifications

Parameter	Rating
Frequency Range	600 – 6000 MHz
Peak Gain	10 dBi
VSWR	≤ 3:1 in band
Input Impedance	50 Ohm
Polarization	Vertical
Max Input Power	100 W
DC Grounded	No
Ground Plane	Not Required

### Mechanical Specifications

Parameter	Rating
Connector Type	N Female (jack) integrated into base of antenna
Length	25.6 in / 650 mm with bracket: 27.5 in / 700 mm
Diameter	.98 in / 25 mm
Weight	1.3 lbs / 0.59 kg
Materials	UV stabilized polyurethane coated fiberglass, stainless, steel, aluminum - RoHS compliant
Antenna Color	Gloss White
Operating Temperature	-50°C to +70°C
Rated Wind Velocity	125 mph (56 m/sec)
Ingress Protection	IP67
Mounting	Pole/Wall Mount via integrated bracket (2.0" dia. U-bolt included)

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

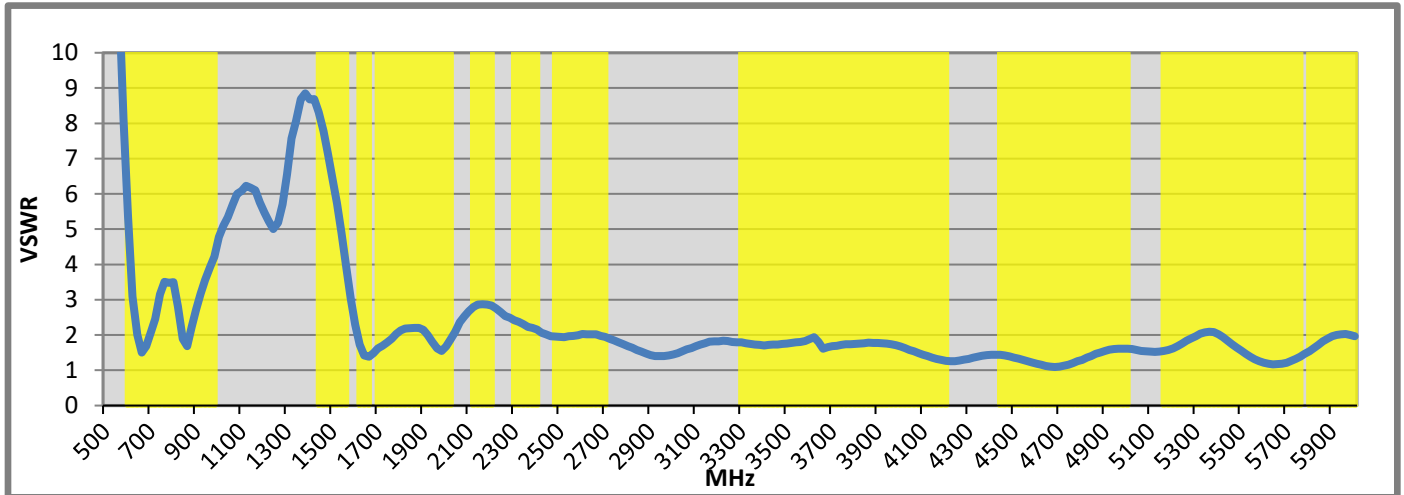
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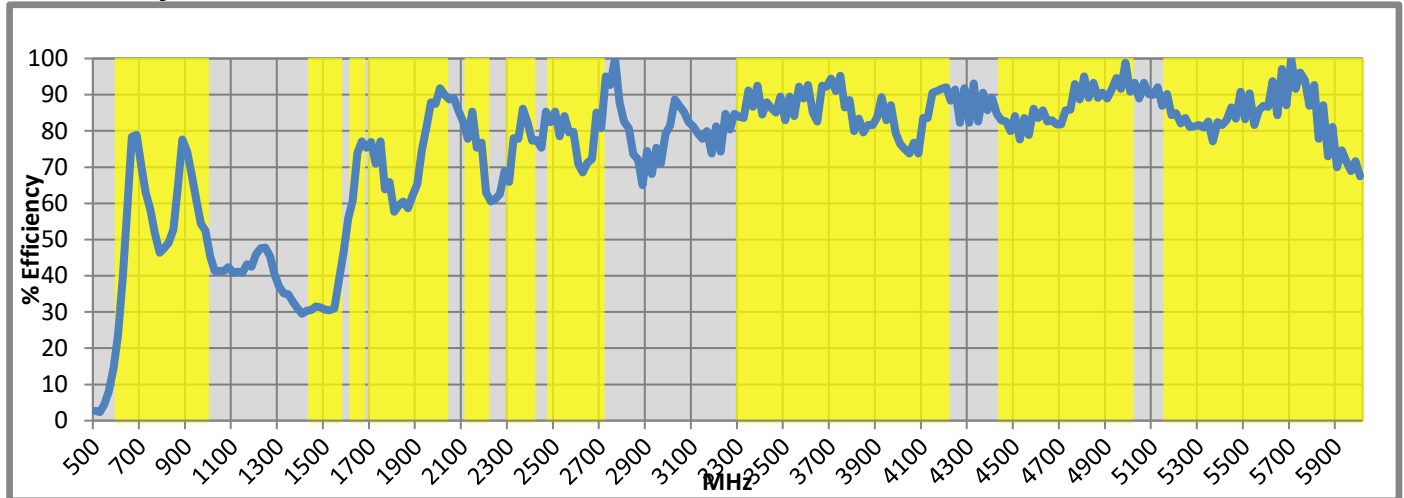


## Electrical Characteristics

### VSWR



### Efficiency



Highlighted areas represent the primary 3G/4G/LTE frequency bands.

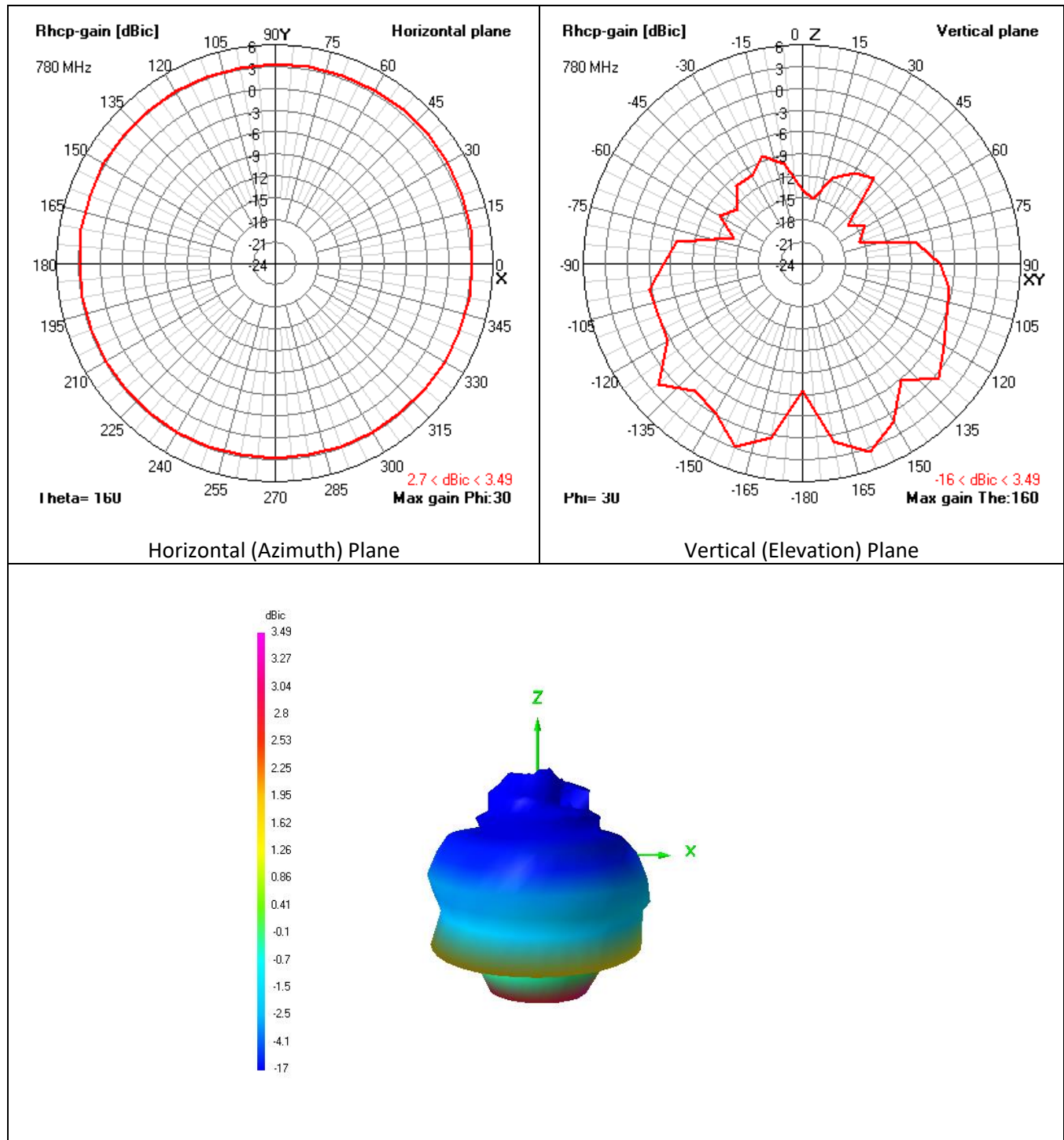
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## Radiation Patterns

780 MHz



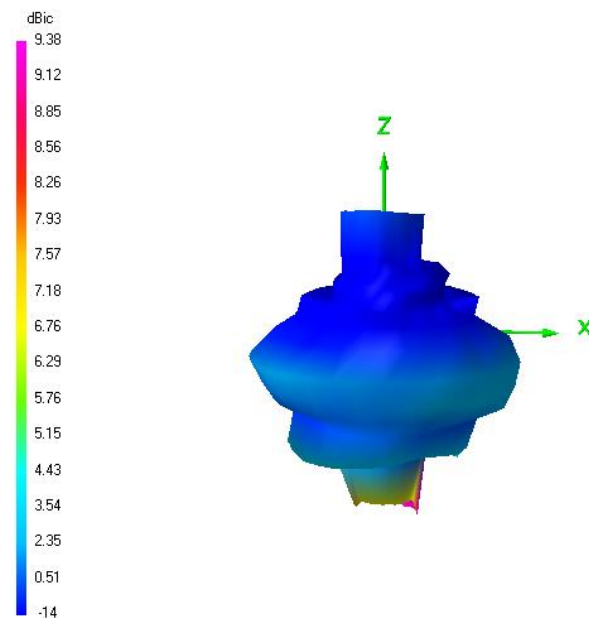
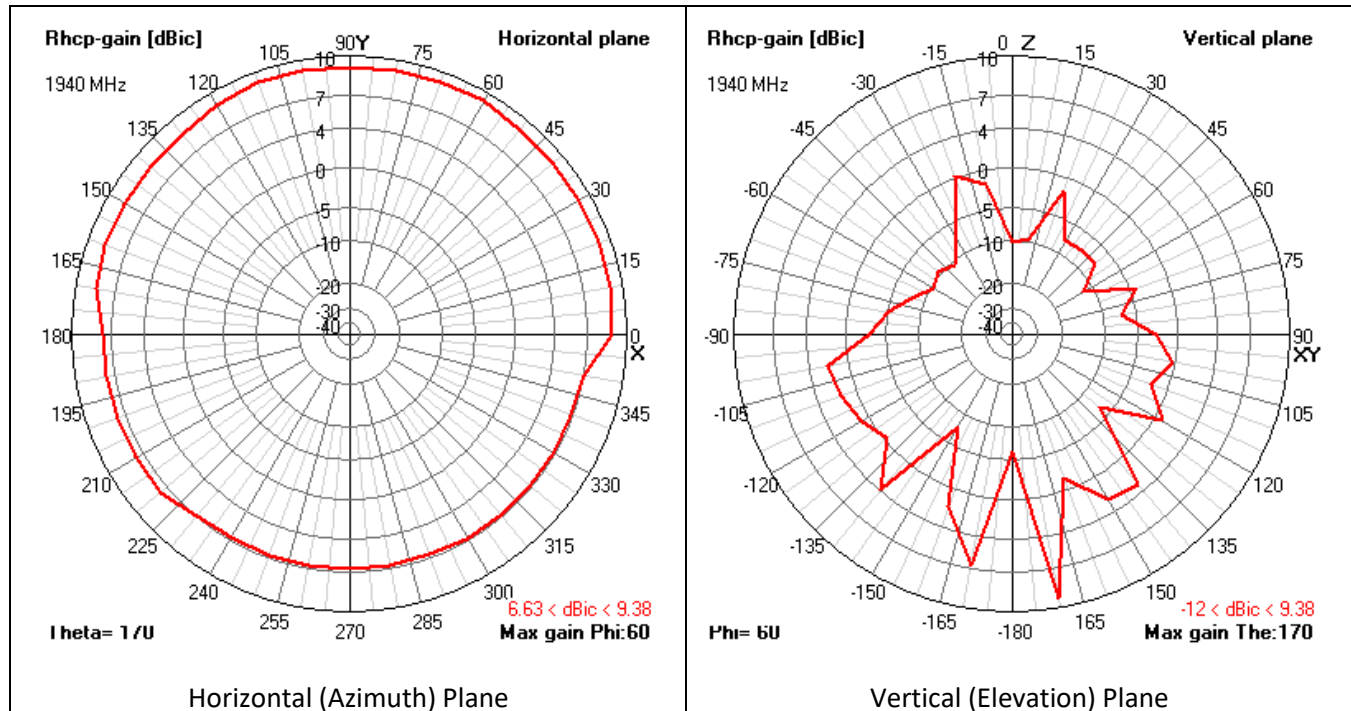
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## Radiation Patterns

1940 MHz



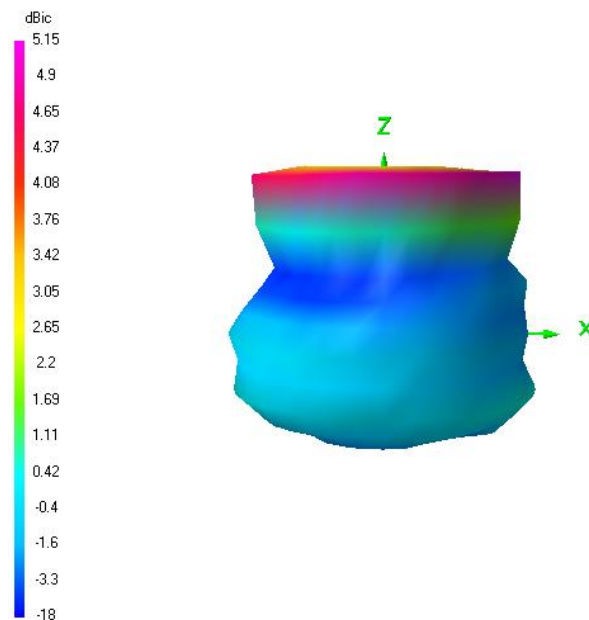
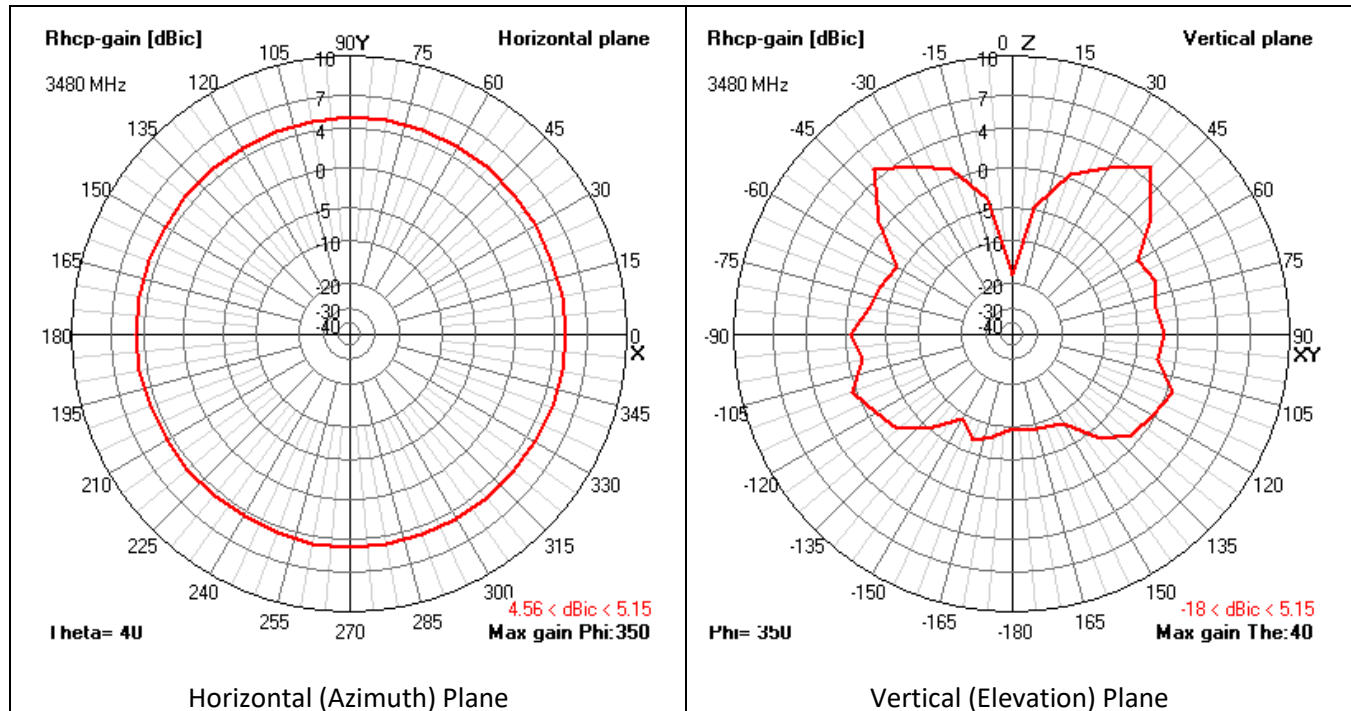
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## Radiation Patterns

3480 MHz



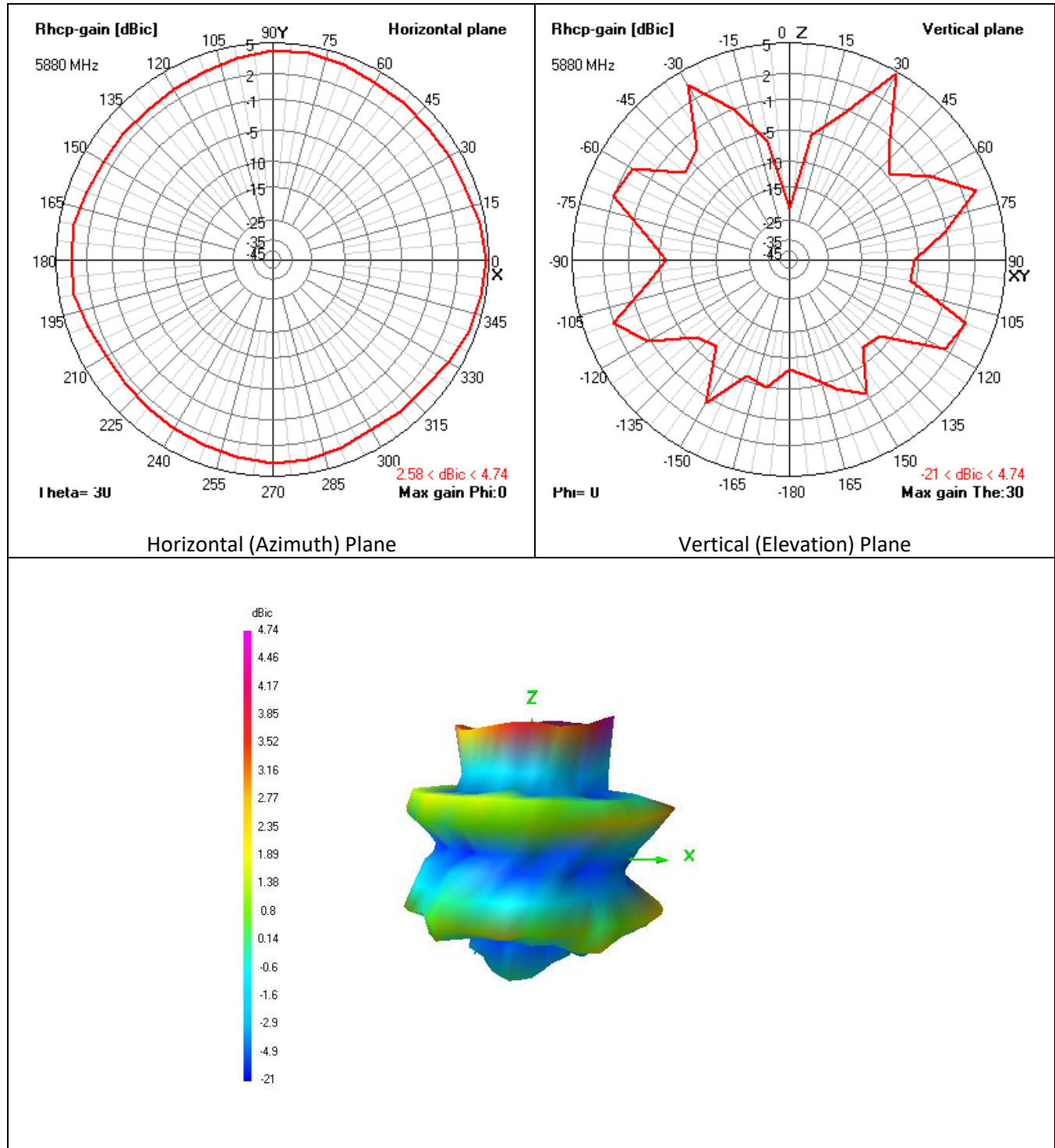
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## Radiation Patterns

5880 MHz



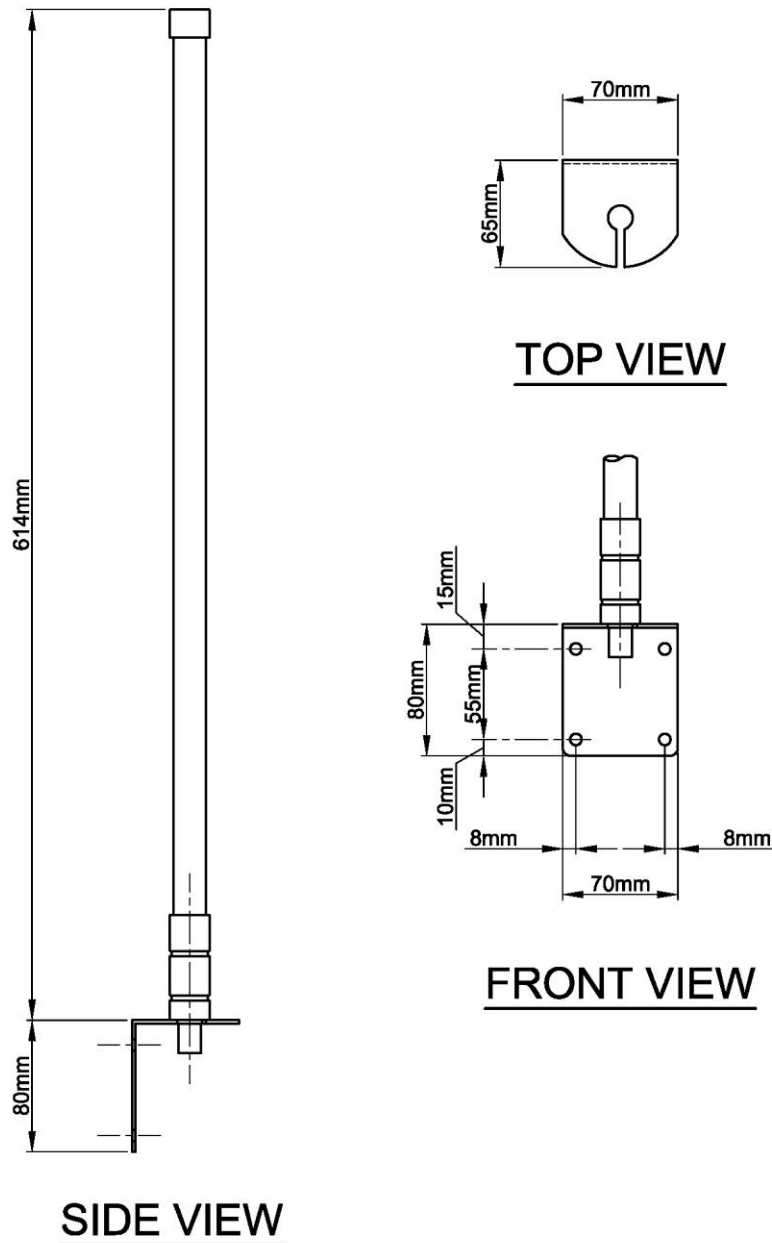
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## Mechanical Dimensions

Dimensions in millimeters

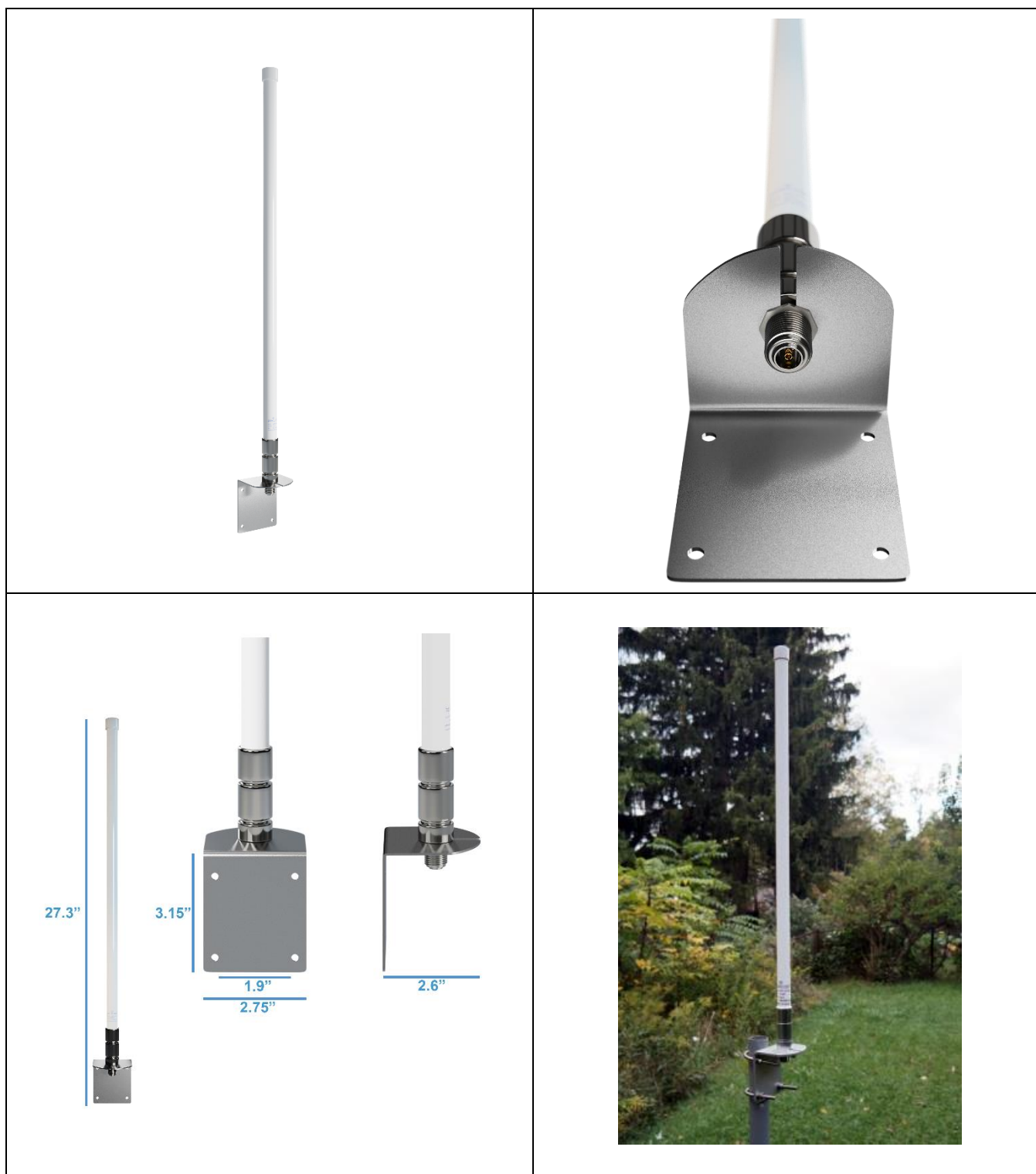


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## Additional Product Images



# ANT-127-002

## 10 dBi Omni-Directional 4G/5G Fiberglass Antenna



### 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
- Mount as high as possible
- Weather seal outdoor coax connections
- Fully tighten coax connector to antenna connector
- Install in-line lightning protection if required by local building, fire, insurance or safety codes
- 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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