

ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Applications

- 4G/5G Routers & Modems
- Signal Challenged Locations Requiring High Gain Omni-Directional Antennas
- Professional Grade Outdoor Antenna Solution for Buildings and Towers
- Pole & Wall Mount Options

Product Features

- MIMO Performance in a Single Antenna
- Wideband Coverage with 7 dBi Peak Gain
- Compatible with all Cellular Modems/Routers and 4G/5G Networks
- Integrated Dual N Female Connectors
- No Ground Plane Required
- Heavy Duty Rugged Cast Aluminum Base
- 26.75 inches Tall



Ordering Information

Part No.	Description
ANT-127-05M	Proxicast Pro-Gain Wide-Band Omni-Directional 4G/5G MIMO Antenna - Outdoor Pole/Wall Mount (Carbon)
ANT-127-05P	Proxicast Pro-Gain Wide-Band Omni-Directional 4G/5G MIMO Antenna - Outdoor Pole/Wall Mount (Pearl)

General Description

Now you can enjoy the benefits of 4G/5G MIMO technology AND omni-directional coverage with a single antenna.

Proxicast's unique new commercial-grade omni-directional 4G/5G MIMO 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.

Two separately fed isolated ultra-wideband elements in a single housing enable multiple input / multiple output connectivity, resulting in higher performance without the need for a second antenna.

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

The antenna's rugged housing, extra heavy-duty mounting hardware and corrosion-resistant materials are ideal for outdoor applications. Its sleek high-tech appearance blends with any environment making 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 cables (not included), this antenna is compatible with Mi-Fi Hotspots, external 4G/5G cellular modems and routers from companies such as CalAmp, Cisco, Cradlepoint, Digi, MoFi, Netgear, Novatel, Pepwave, Proxicast, and Sierra Wireless.

ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Electrical Specifications

Parameter	Rating
Frequency Range	600-6000 MHz
Peak Gain	7 dBi
Elevation Beamwidth	65°
Azimuth Beamwidth	360°
Electrical Downtilt	0°
Input Impedance	50 Ohm
VSWR	< 2.9 max; 1.42 average in band
Polarization	Vertical
Max Input Power	50 W
DC Grounded	Yes
Ground Plane	Not Required

Mechanical Specifications

Parameter	Rating
Connector Type	2 x N Female (jack) integrated into base of antenna
Length	26.75 in / 680 mm
Diameter	3 in / 76 mm ~ 4.7 in / 119 mm across mounting plate
Weight	6.2 lbs / 2.8 kg
Materials	UV stabilized polyurethane coated ABS, aluminum - RoHS compliant
Antenna Color	Black Carbon Fiber or Pearlescent White
Operating Temperature	-40°F to +149°F / -40°C to +65°C
Wind Rating	134 mph / 60 m/s
Mounting	Pole/Wall Mount via integrated bracket (3.75" dia. U-bolts included)

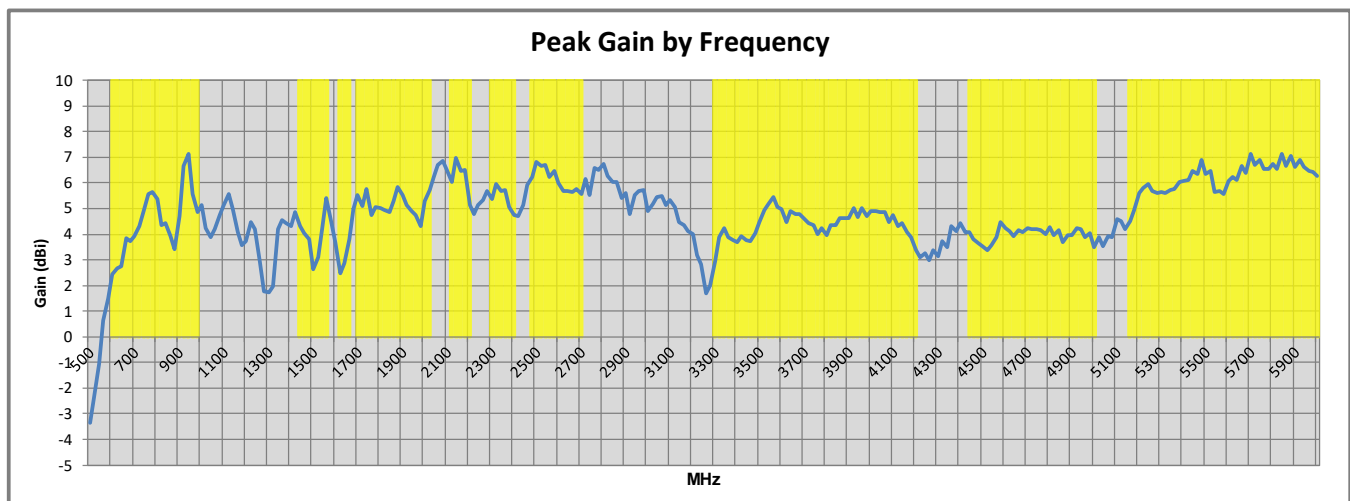
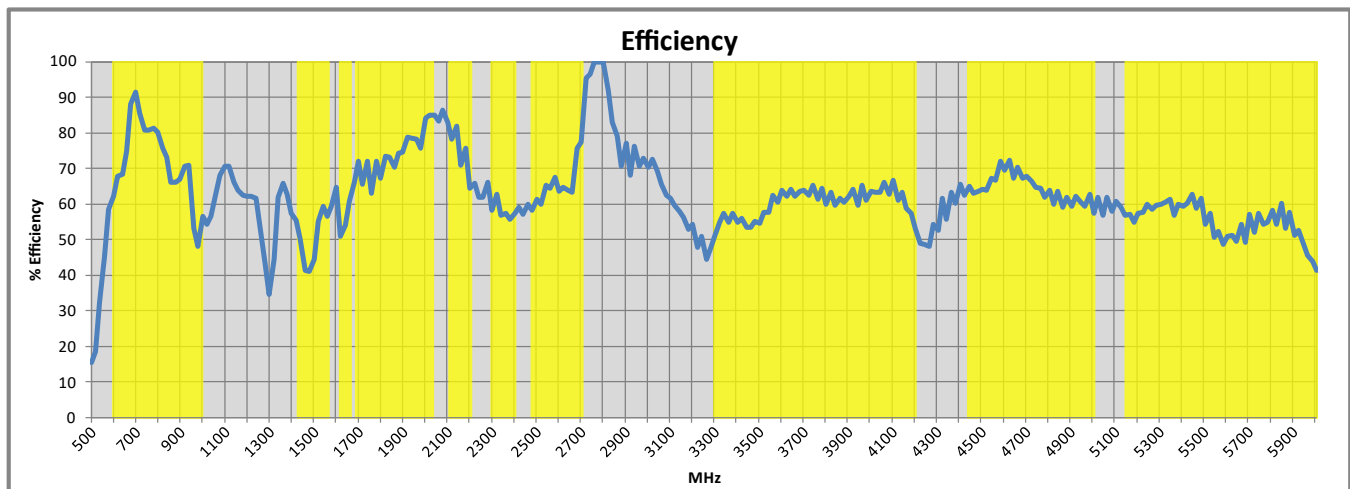
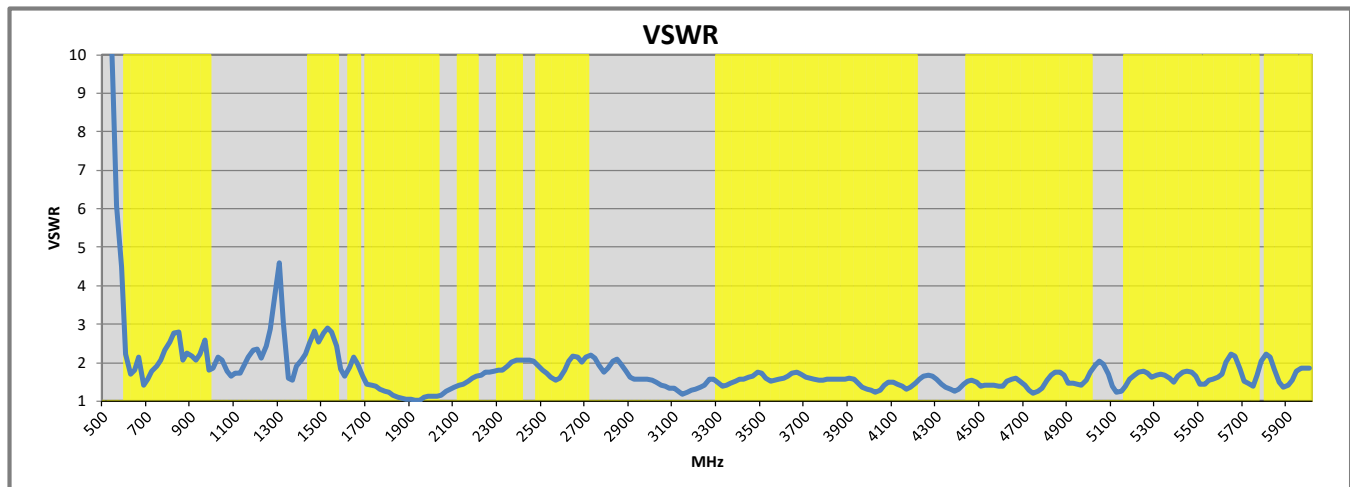
Operation of this device outside the parameter ranges given above may cause permanent damage.

ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Electrical Characteristics



Highlighted areas represent the 4G/5G (Sub-6) frequency bands.

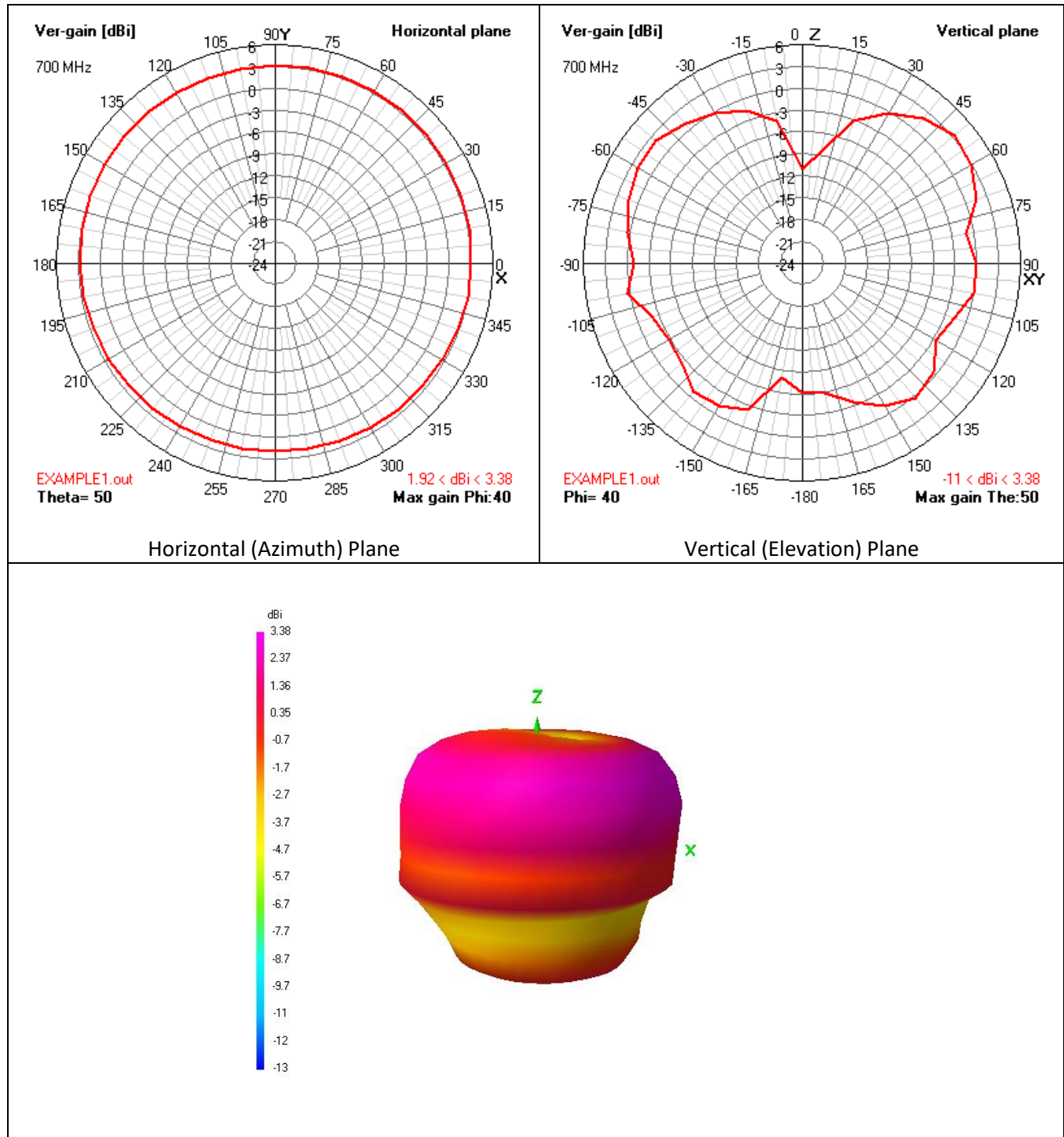
ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Radiation Patterns

700 MHz



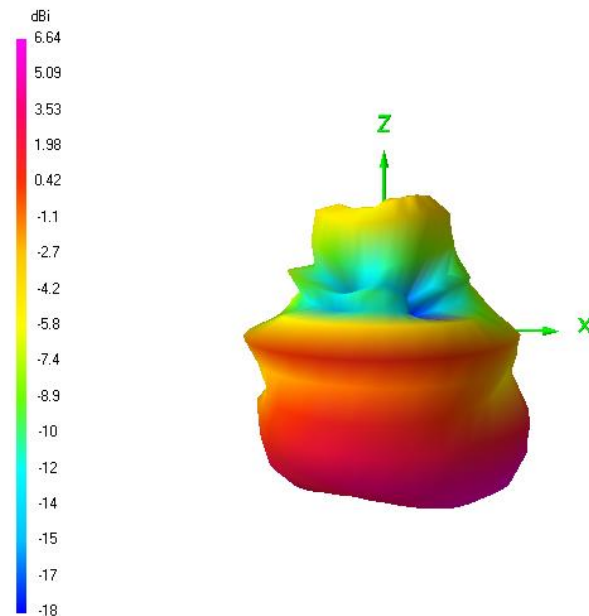
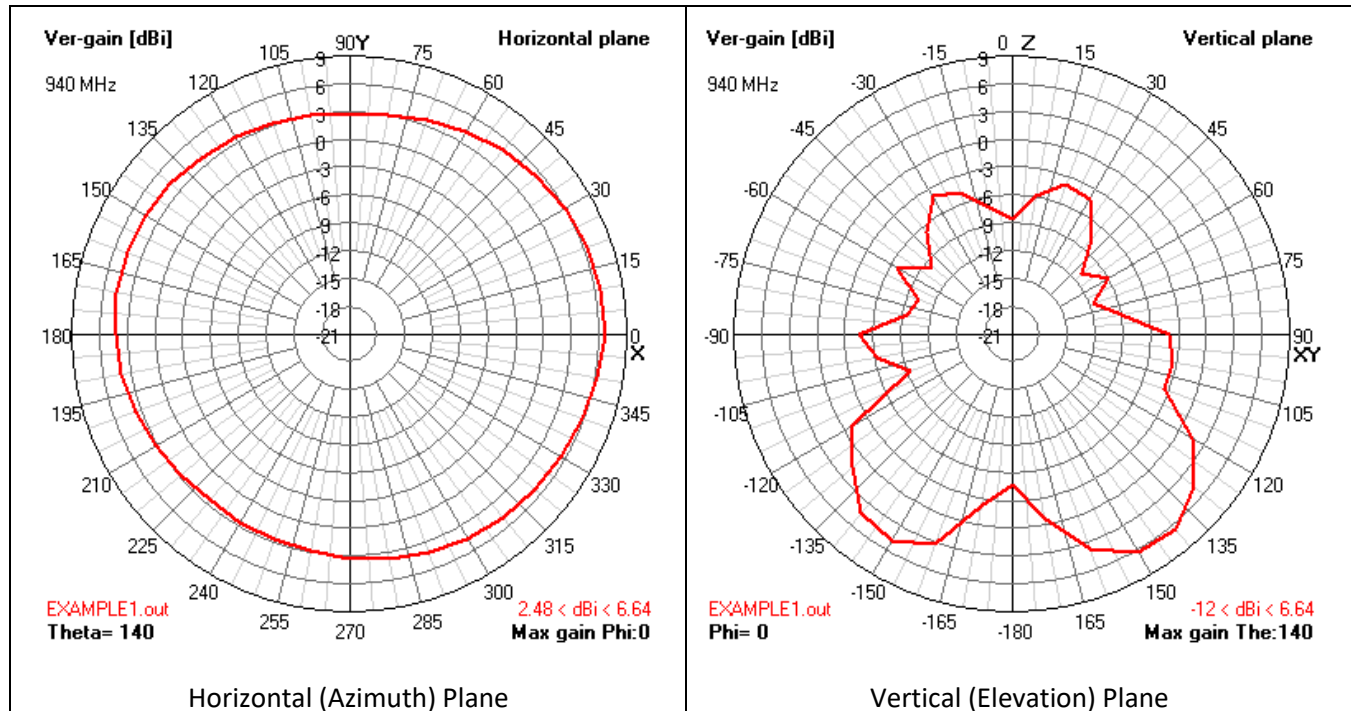
ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Radiation Patterns

940 MHz



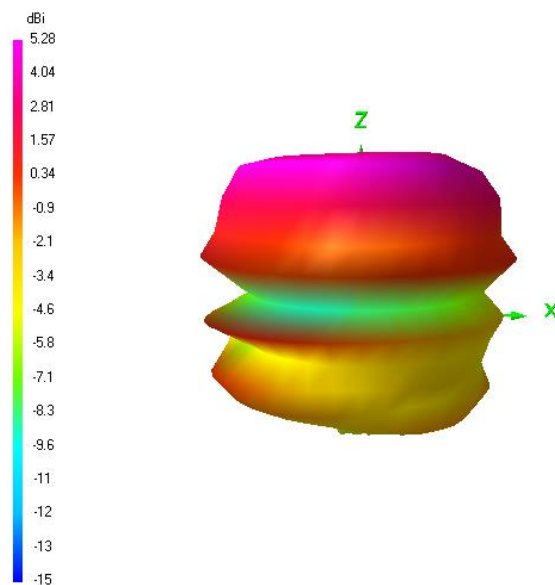
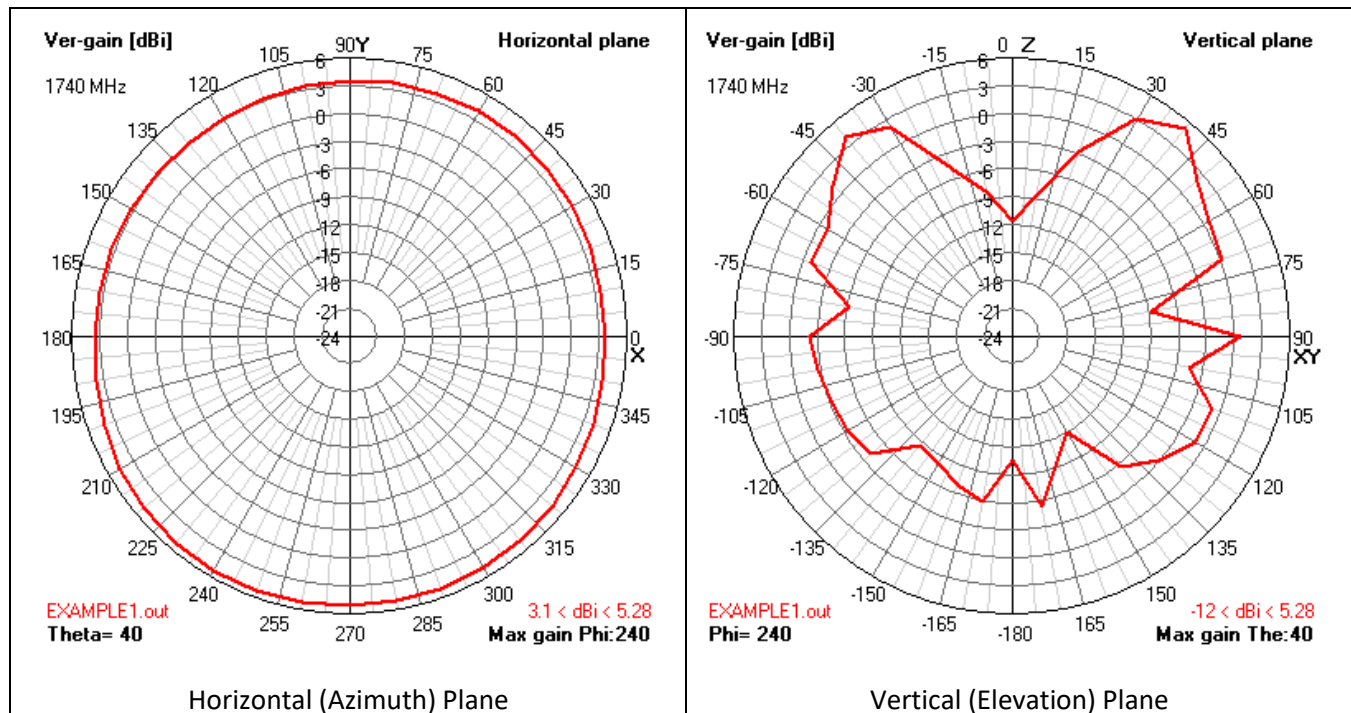
ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Radiation Patterns

1740 MHz



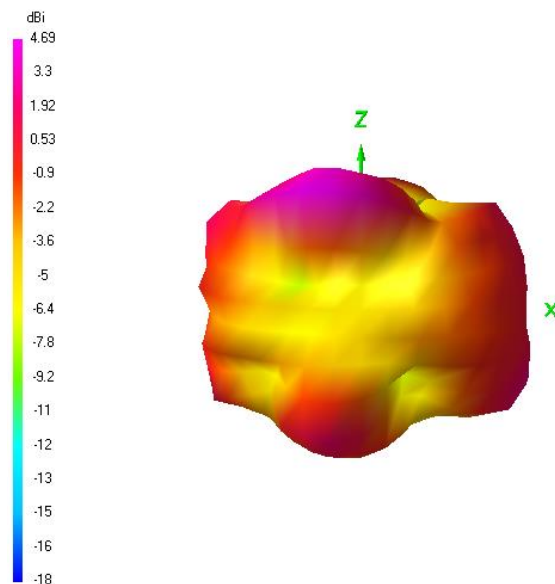
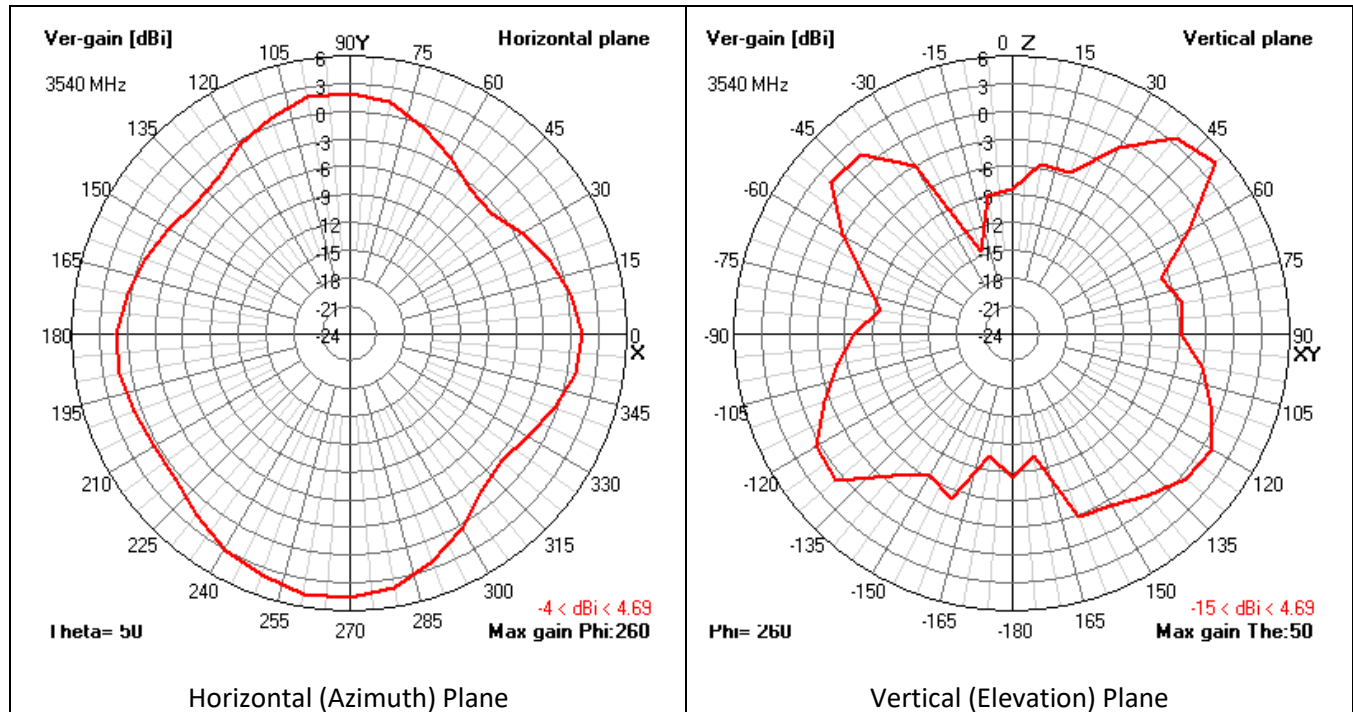
ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Radiation Patterns

3540 MHz



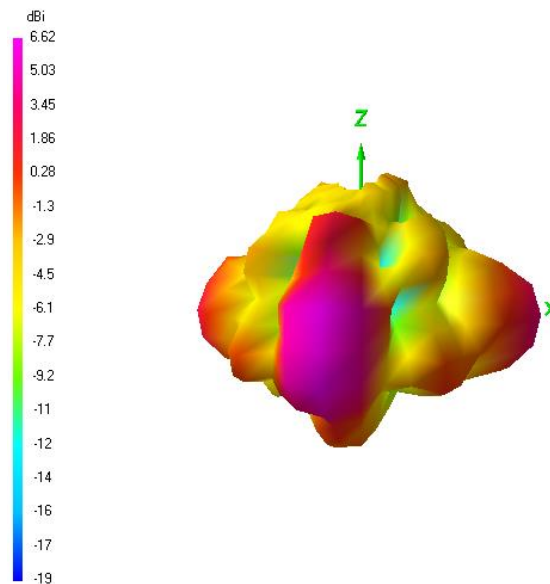
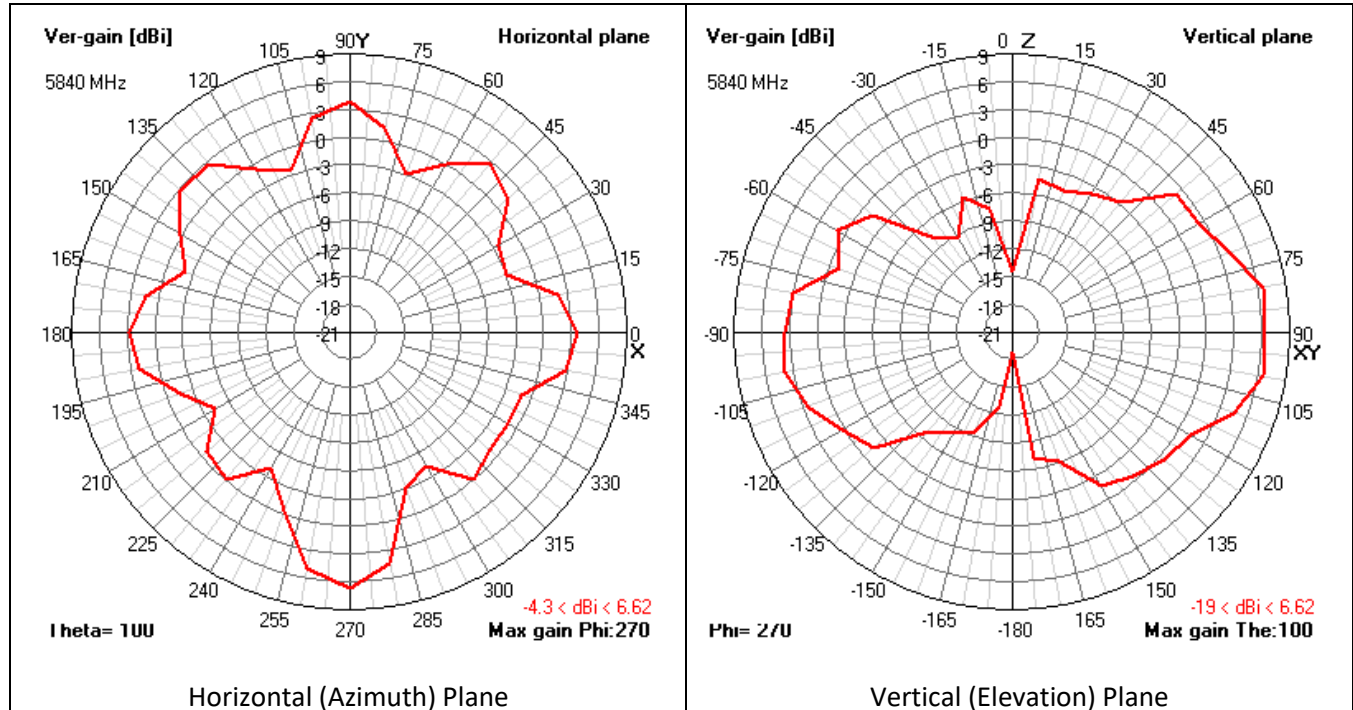
ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Radiation Patterns

5840 MHz



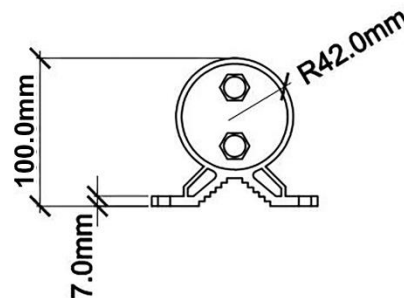
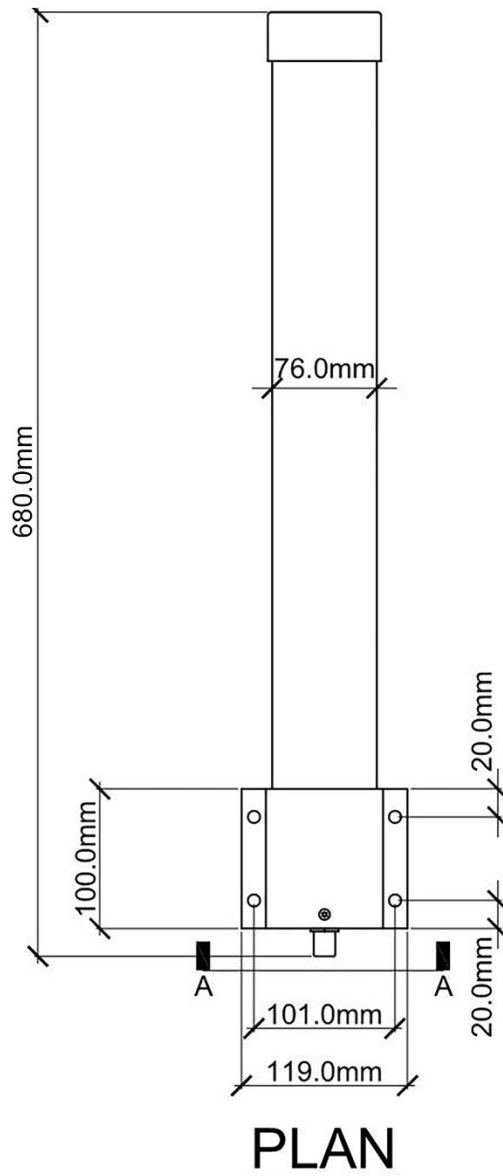
ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Mechanical Dimensions

Dimensions in millimeters



SECTION A-A

PRO-GAIN
ULTRA -WIDEBAND
4G / 5G MIMO

ANT-127-05M

ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional Antenna



Additional Product Images



ANT-127-05M / P

Pro-Gain 4G/5G MIMO Omni-Directional 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
- Keep coax leads as short as possible
- Use only 50 Ohm coax rated for high frequency use
- 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

Contact Information

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

Web: www.proxicast.com **Tel:** 1-877-777-7694

Email: 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

Important Notice

The information contained herein is believed to be reliable. Proxicast makes no warranties regarding the information contained herein. Proxicast assumes no responsibility or liability whatsoever for any of the information contained herein. Proxicast assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice.

The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information. Proxicast products are not warranted or authorized for use as critical components in medical, life-saving, or life-sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.