

ANT-120-006

5-8 dBi Omni-Directional 4G/5G Aerial SMA Antenna



Applications

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



Product Features

- Compatible with most Cellular Modems/Routers
- Compatible with all 4G/5G/FirstNet/CBRS networks
- 5 – 8 dBi Peak Gain
- Omni-Directional
- Integrated SMA Male Connector
- Swivels 90° & Rotates 360°
- No Ground Plane Required

Ordering Information

Part No.	Description
ANT-120-006	5-8 dBi Omni-Directional 4G/5G Aerial SMA Antenna
ANT-120-006-2PK	5-8 dBi Omni-Directional 4G/5G Aerial SMA Antenna (2 Pack)

General Description

The Proxicast 4G/5G Aerial is a mid/high-gain omni-directional antenna. The "rubber-duck" style aerial is an 11.3 in. (285 mm) dipole antenna that provides 5 to 8 dBi of gain for use on all 3G, 4G/LTE, sub-6 5G, FirstNet and CBRS frequency bands (698~6000 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 polycarbonate antenna swivels 90 degrees and rotates 360 degrees for optimal positioning and maximum signal reception and has an integrated SMA male plug connector and ground-plane. This antenna is a smart choice for mobile or stationary 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.

Optional magnetic bases make this a stand-alone antenna and provide compatibility with a wide variety of modems, hotspots, and other cellular equipment.

For MIMO applications use 2 identical antennas.

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Electrical Specifications

Parameter	Rating
Frequency Range	600-6000 MHz includes all 4G and Sub-6 5G NR FR1 Bands including: n71 (T-Mobile), n5 (AT&T, Verizon), n2 (Verizon), n66 (Verizon), n41 (T-Mobile) and n77 (AT&T, Verizon)
Peak Gain	5 – 8 dBi
VSWR	≤ 3.0:1
Input Impedance	50 Ohm
Polarization	Vertical
Max Input Power	20 W
DC Grounded	No
Ground Plane	Not Required

Mechanical Specifications

Parameter	Rating
Connector Type	SMA Male (plug)
Length	11.3 inches / 285 mm
Diameter	0.51 inches / 13 mm
Weight	1.2 oz / 34 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.

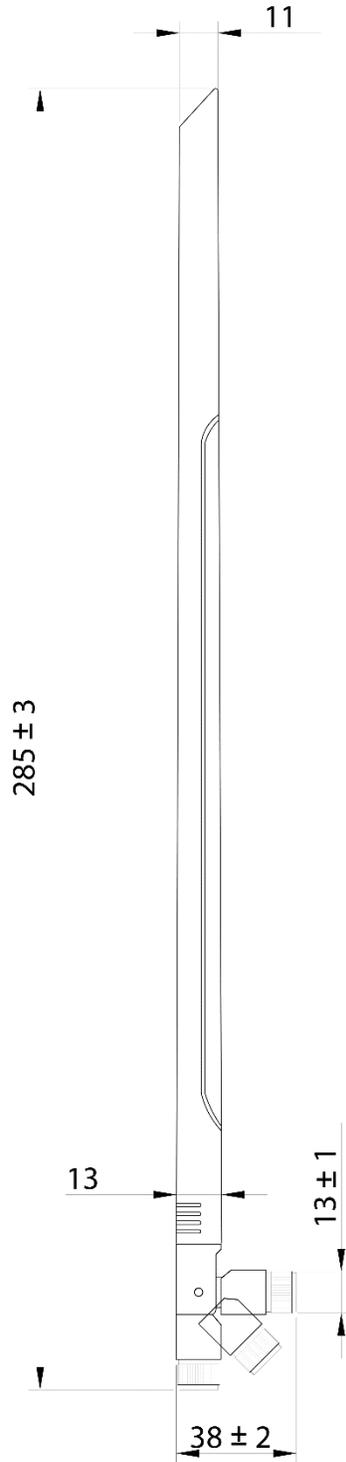
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Mechanical Dimensions

Dimensions in millimeters



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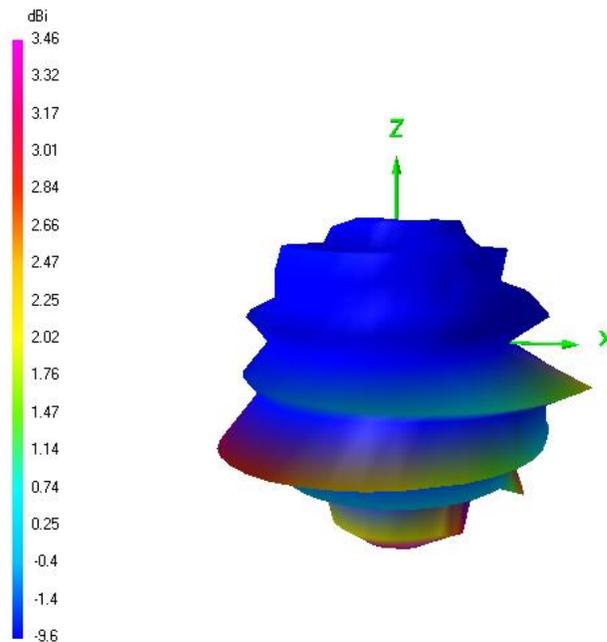
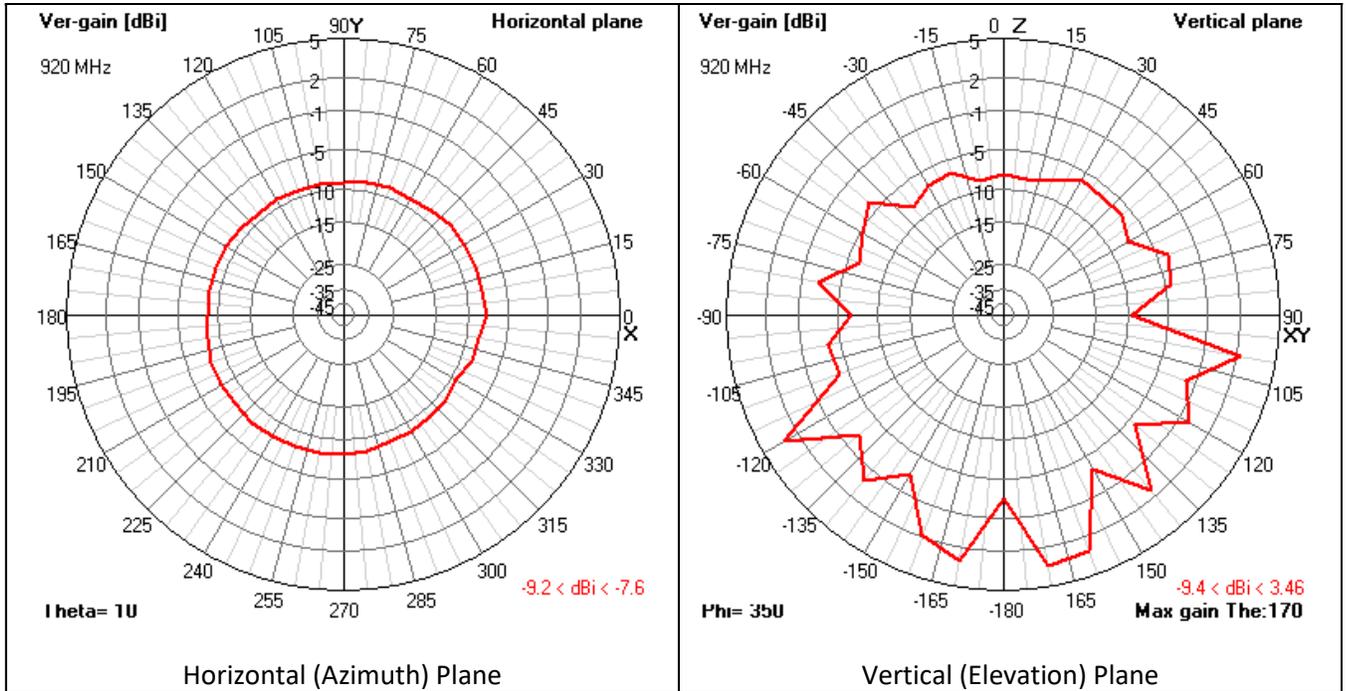


Additional Product Images



Radiation Patterns

920 MHz

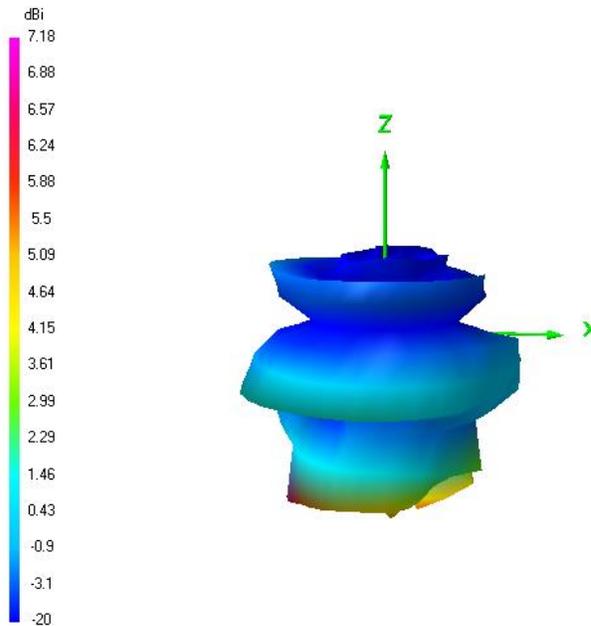
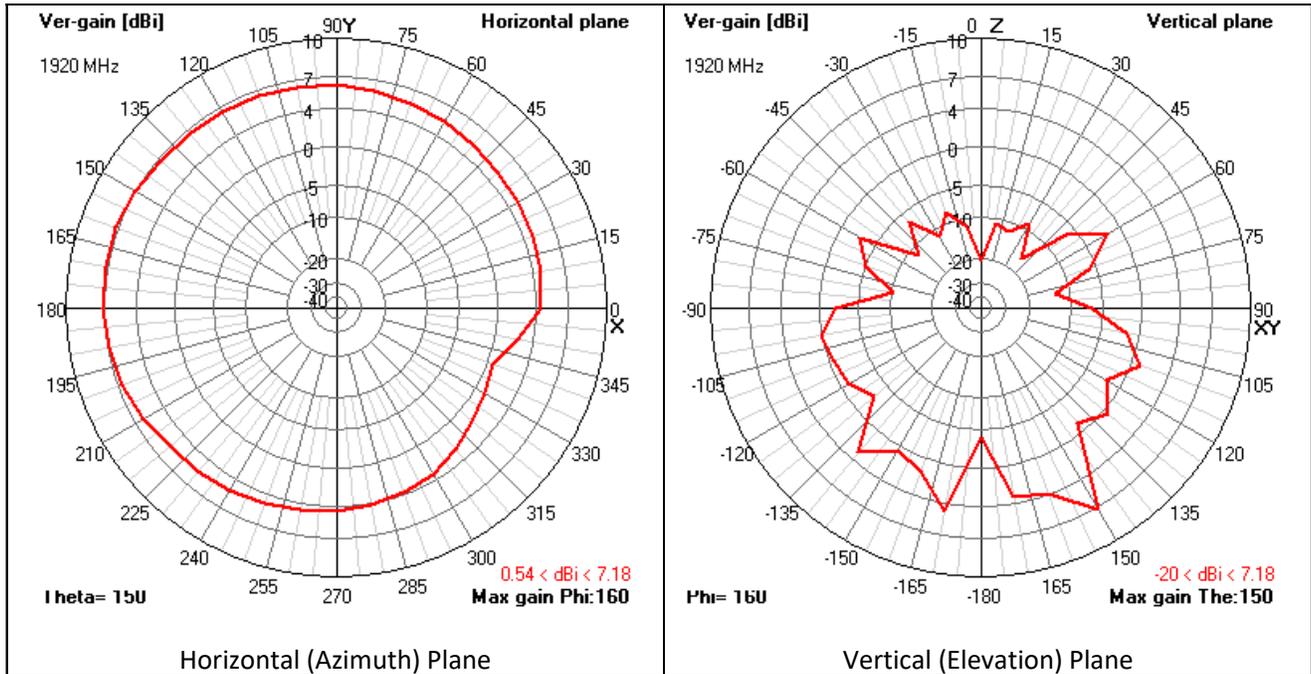


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1920 MHz

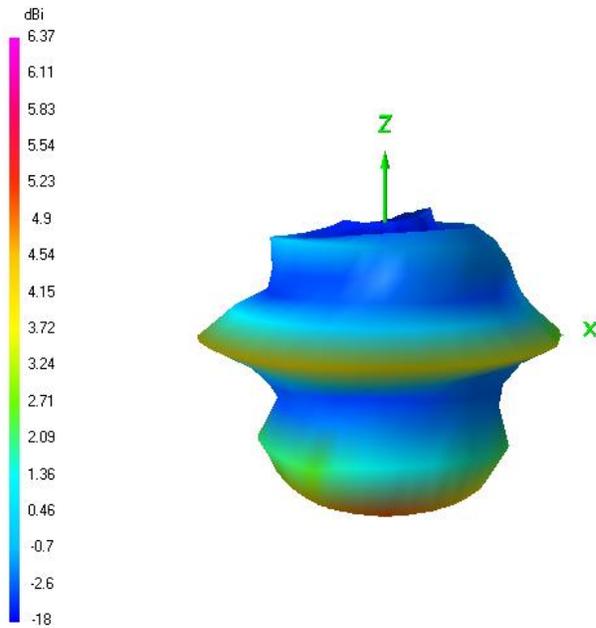
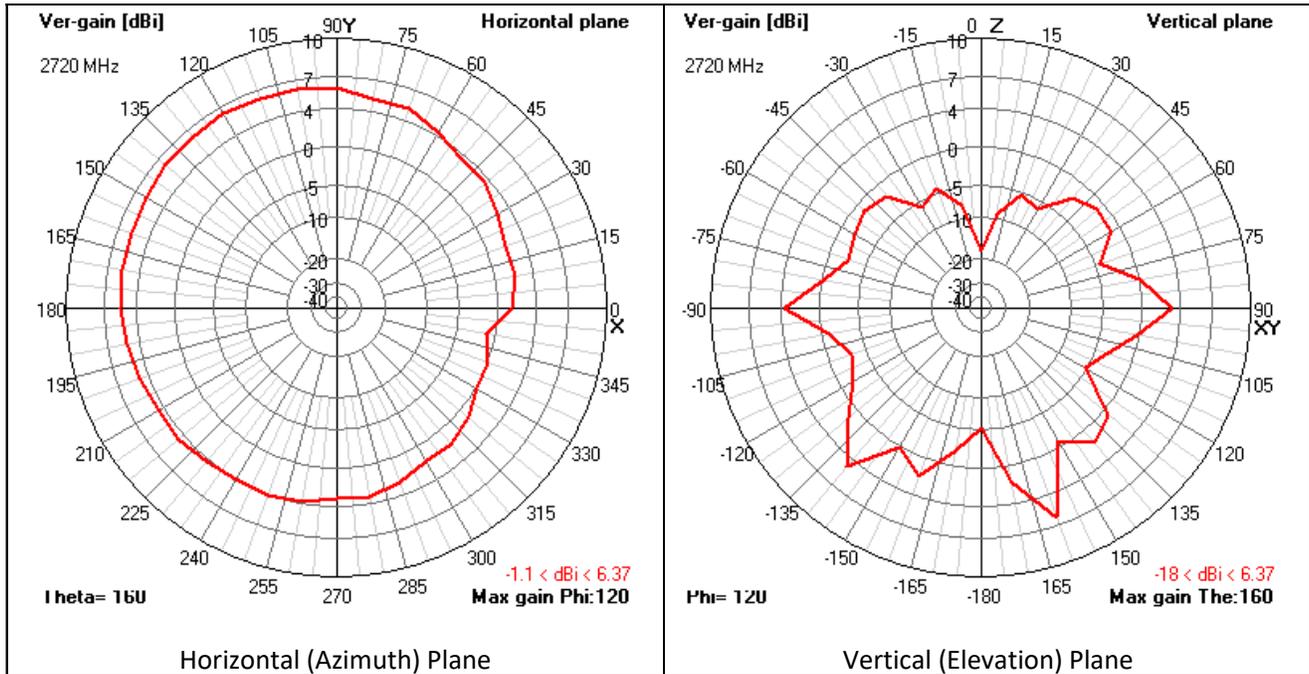


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2720 MHz

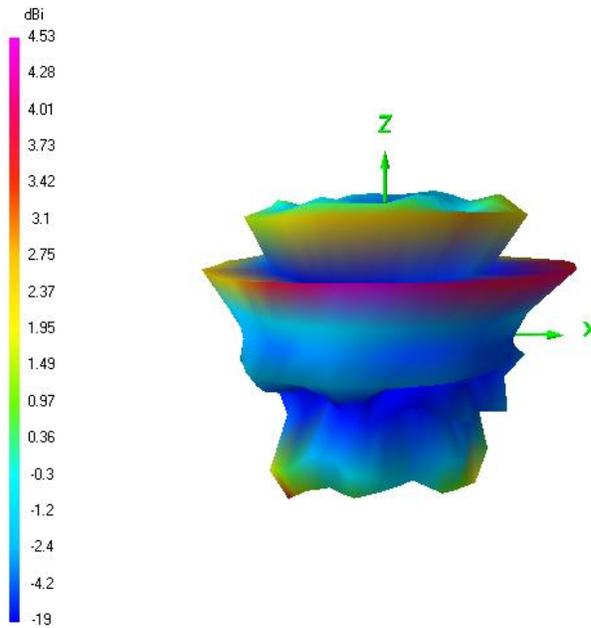
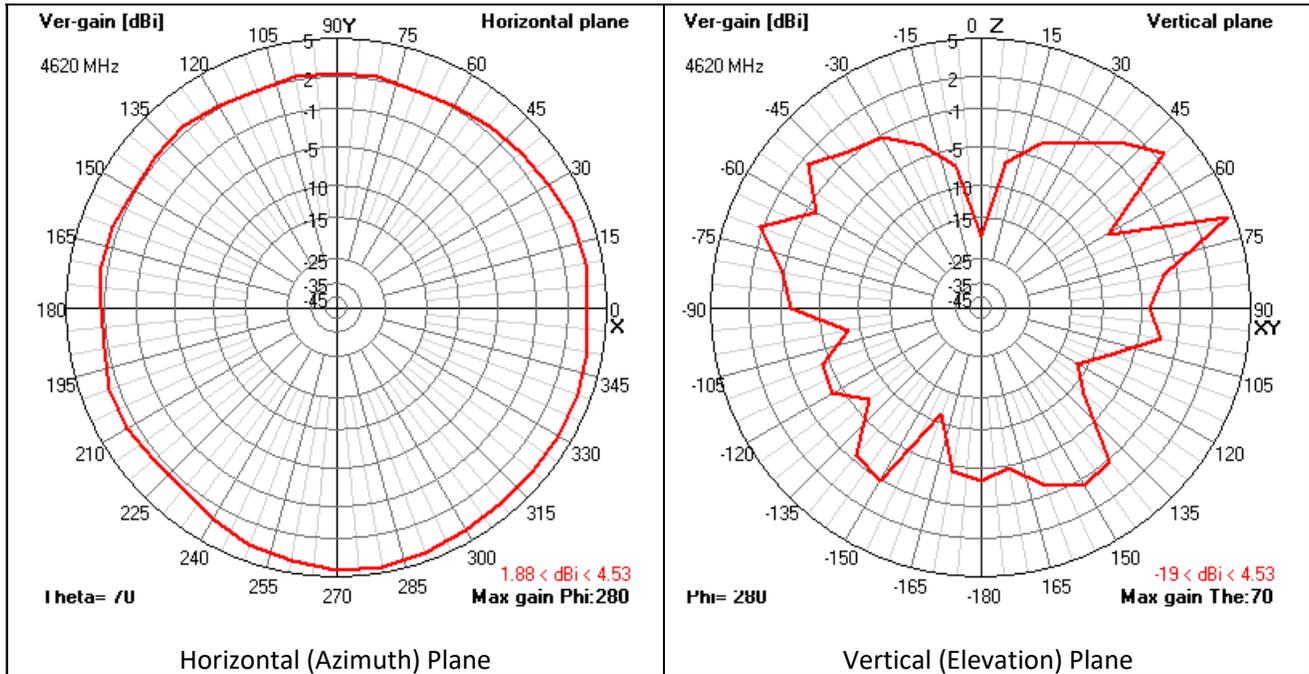


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4620 MHz



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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 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

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