

ANT-124-95G

7 dBi Omni-Directional 4G/5G Load Coil Whip Antenna



Applications

- Direct Replacement for Low Gain Antennas included with many Cellular Products
- 4G/5G Routers & Modems
- FirstNet and CBRS Equipment
- Vending Machine, ATM, Kiosk, M2M, IOT
- Desktop Use
- **NOT FOR USE ON MOVING VEHICLES**



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
- 7 dBi Peak Gain
- Omni-Directional
- Universal Compatibility - SMA & TS9 Connectors
- 10 ft Coax Lead & Magnetic Base

Ordering Information

Part No.	Description
ANT-124-95G-2PK	Proxicast 4G/5G External Magnetic Antenna - 7 dBi Loaded Coil with SMA & TS9 Connectors (2 Pack)

General Description

The Proxicast 4G/5G External Magnetic Antenna is an efficient mid-gain 4G/5G/FirstNet/CBRS omni-directional antenna.

This wire whip style antenna provides up to 7 dBi of gain and 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).

The 10 ft coax lead and magnetic base let you position the antenna for optimal signal reception.

The SMA male screw-on plug and included TS9 push-on adapter make this antenna compatible with any brand/model of 4G/5G modem, hotspot or router.

This antenna is a smart choice for applications where extra gain is required.

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Electrical Specifications

Parameter	Rating
Frequency Range	600-6000 MHz includes all 3G, 4G, 5G, CBRS, FirstNet Bands
Gain	7 dBi
VSWR (in band)	≤ 2.0:1
Input Impedance	50 Ohm
Polarization	Vertical
Max Input Power	50 W
DC Grounded	No
Ground Plane	8 inch (20 cm) diameter min. recommended

Mechanical Specifications

Parameter	Rating
Connector Type	SMA Male (plug) & TS9 Male Adapter
Cable	10 ft (3 m) Low-Loss LMR100
Height	14.6 inches / 370 mm
Base Diameter	1.75 inches / 45 mm
Weight	10.2 oz / 290 g
Materials	Polycarbonate / Brass / Steel - RoHS compliant
Antenna Color	Black
Operating Temperature	-40°C to +60°C

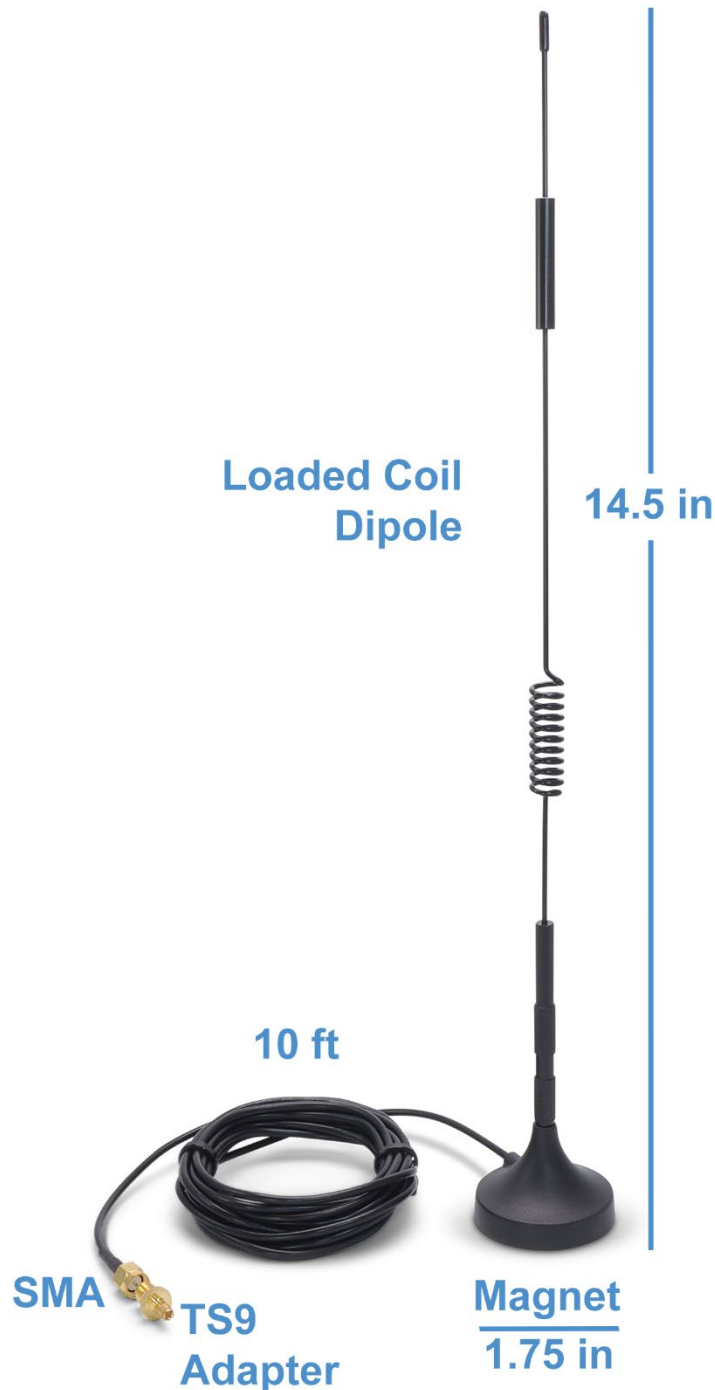
Operation of this device outside the parameter ranges given above may cause permanent damage.

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Mechanical Dimensions



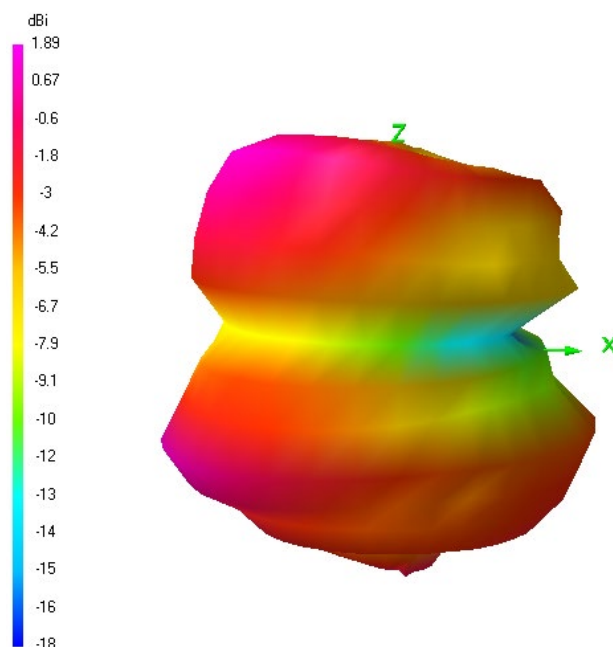
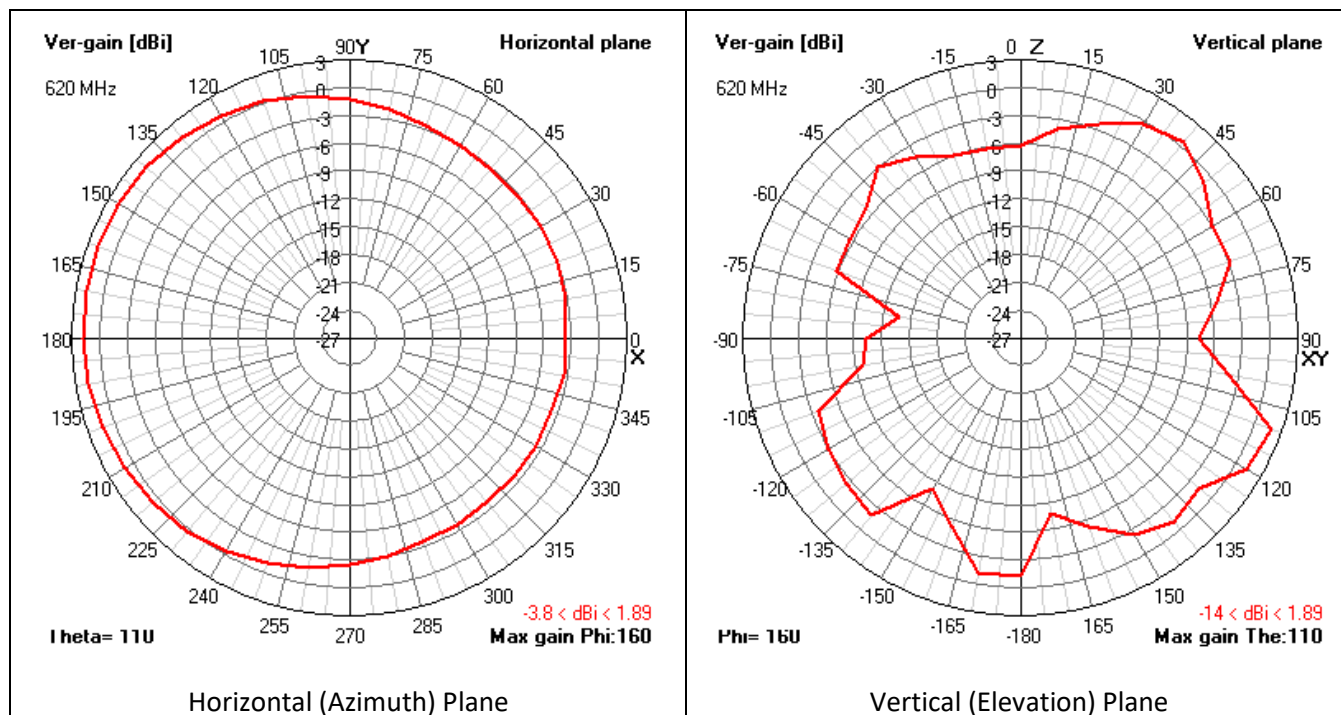
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Radiation Patterns

620 MHz



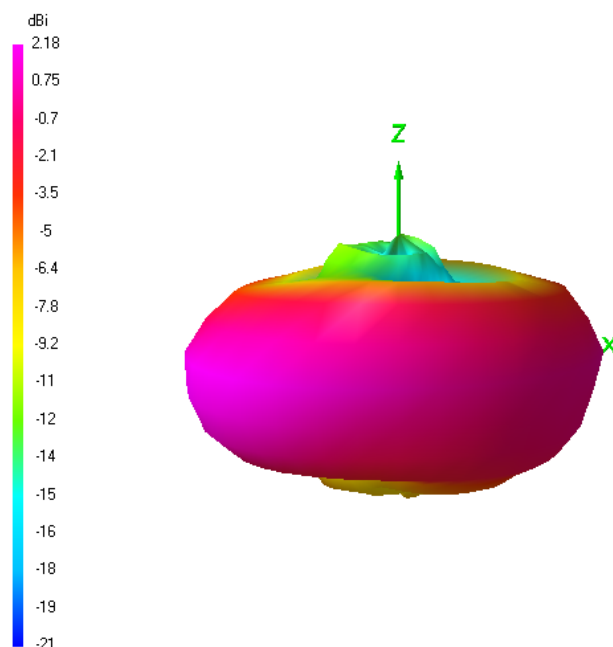
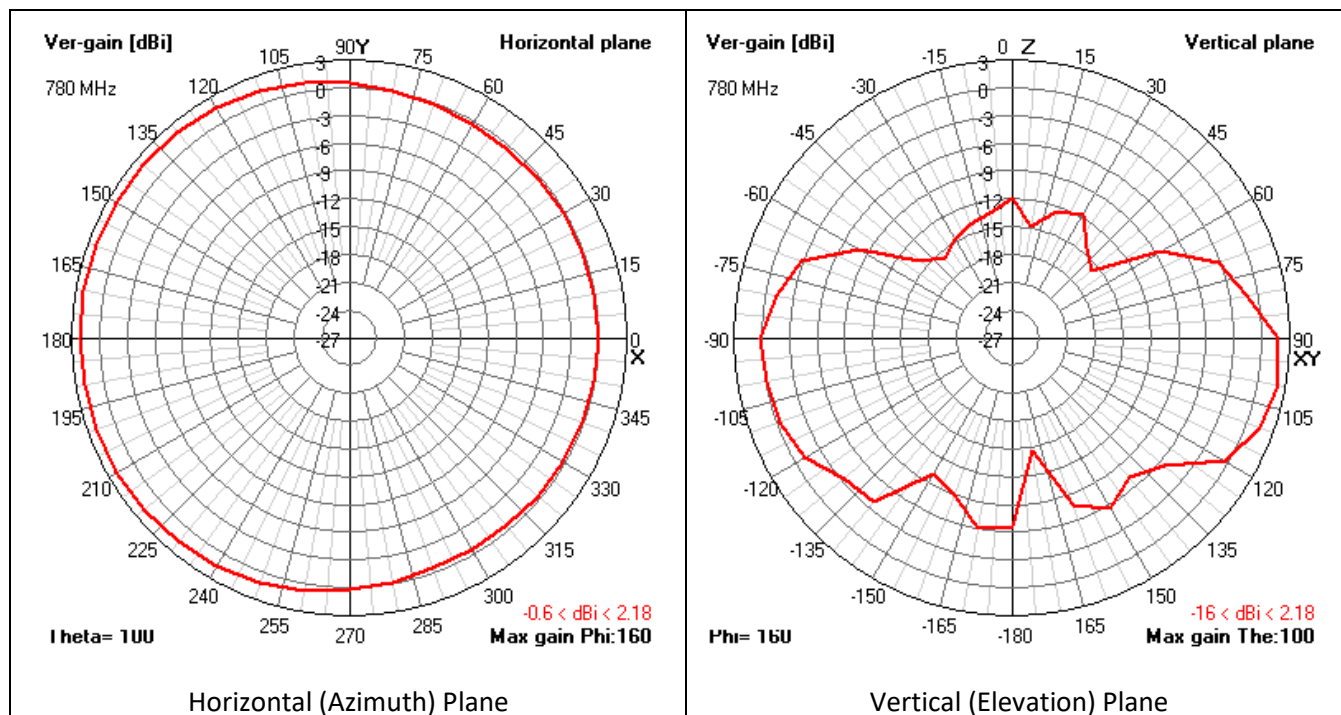
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Radiation Patterns

780 MHz



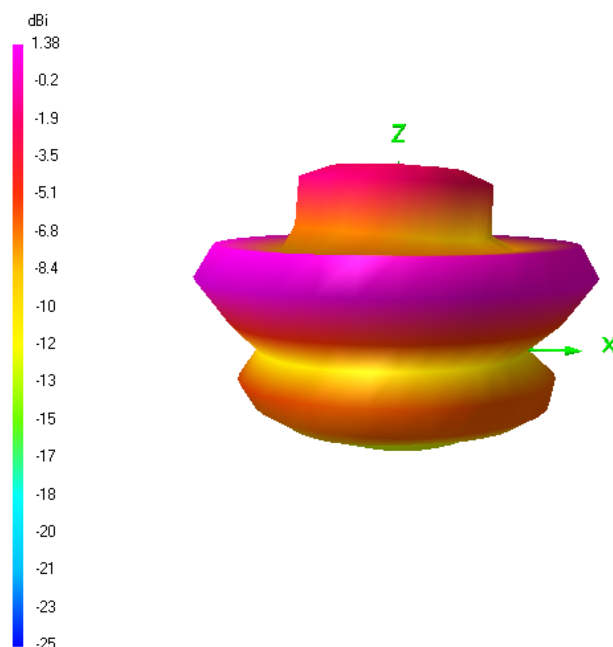
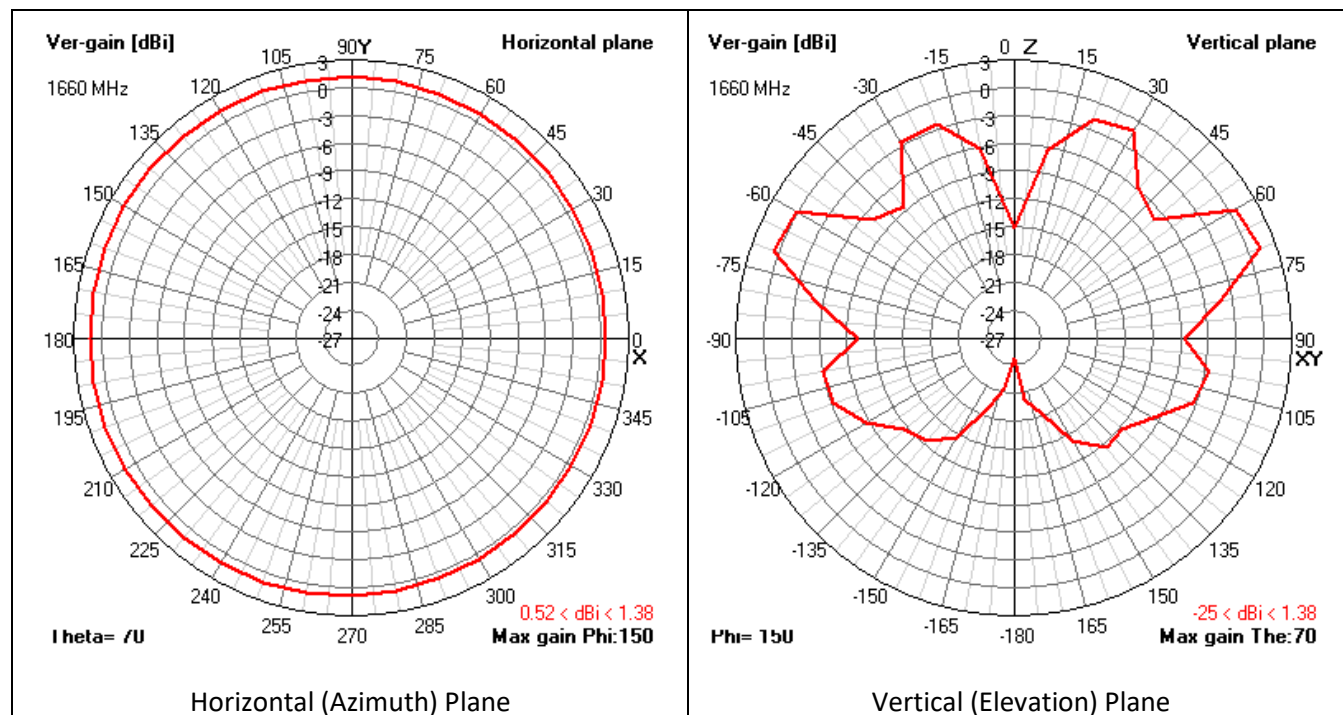
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Radiation Patterns

1660 MHz



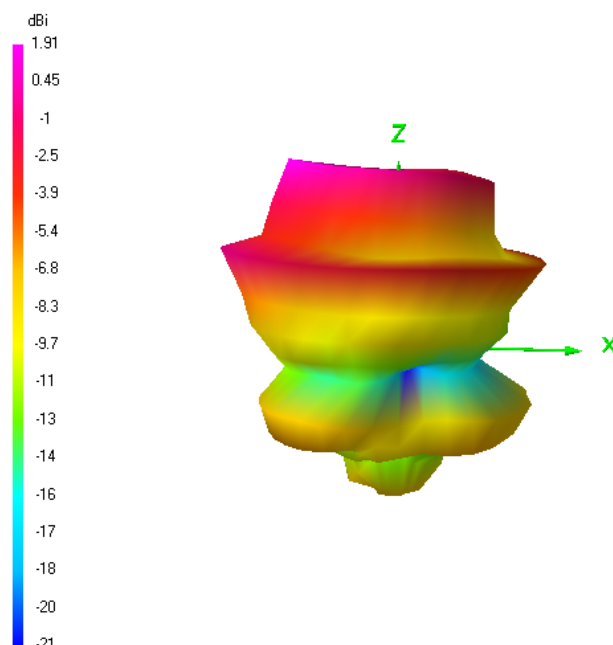
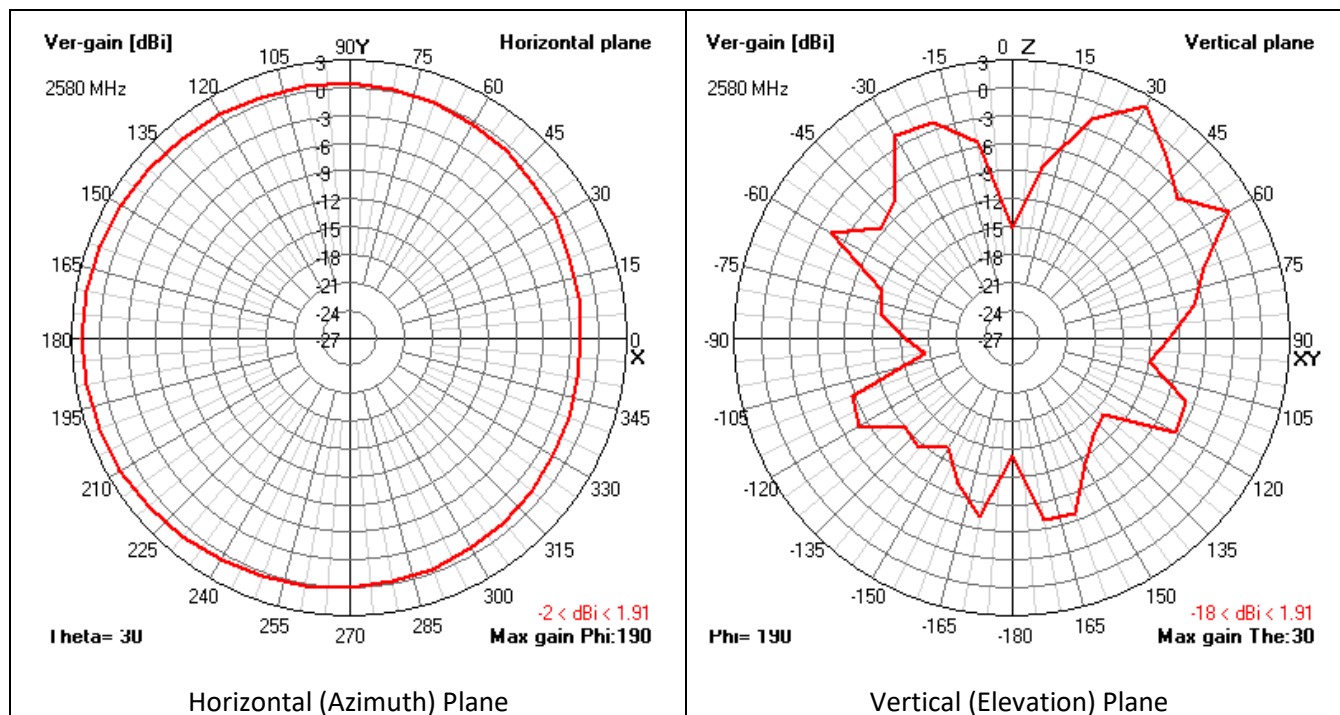
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Radiation Patterns

2580 MHz



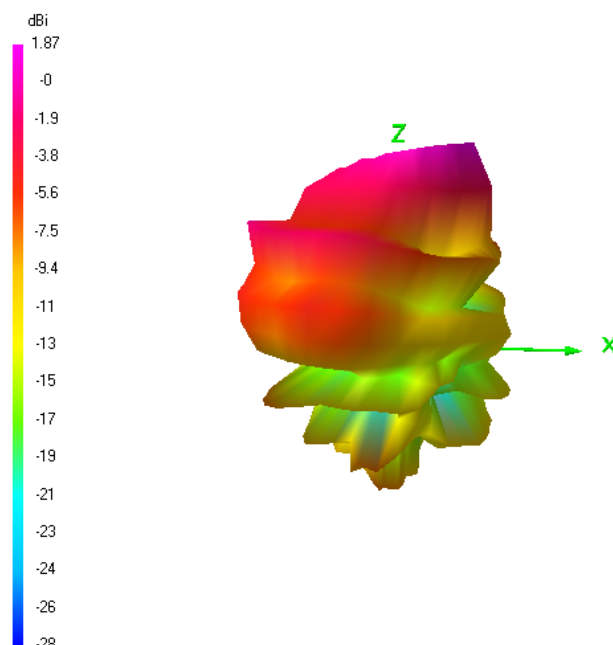
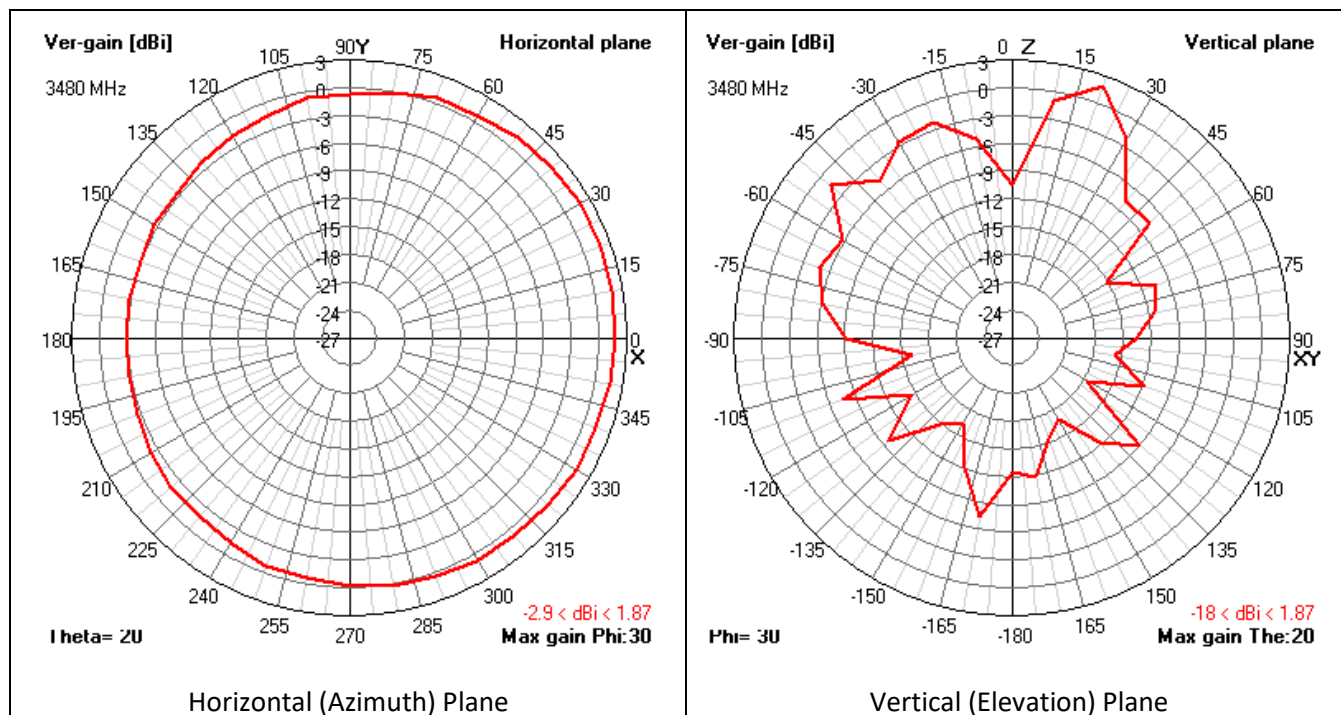
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Radiation Patterns

3480 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:

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Email: sales@proxicast.com 1-412-213-2477

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Email: support@proxicast.com

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