

ANT-126-004

8.5 dBi Omni-Directional 4G/5G/WiFi Bullet Antenna



Applications

- 4G/5G Routers, Modems & Hotspots, Amps
- Unlicensed 900 MHz & 2.4/5.8 GHz Wi-Fi
- Signal Challenged Locations Requiring High Gain Omni-Directional Antennas
- Installations Requiring an Aesthetic Solution
- Outdoor and Marine Installations
- Pole, Rail, Wall & Deck Mount Options

Product Features

- Compatible with all Cellular Modems/Routers
- Compatible with all 4G/LTE, 5G & Wi-Fi Networks
- Integrated N Female Connector
- No Ground Plane Required
- Durable White or Black ABS Radome
- Stainless Steel Mounting Bracket & Hardware
- Only 8.7 inches Tall (excluding mount)



Ordering Information

Part No.	Description
Proxicast 8.5 dBi Omni-Directional 4G/5G/WiFi Outdoor Bullet Shaped Antenna	
ANT-126-004-WM	Stainless Deck Mount - White
ANT-126-004-BM	Stainless Deck Mount - Black

General Description

Proxicast's small, light-weight, 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 highly efficient omni-directional radiator design provides high gain without the cellular tower location and alignment hassles of directional antennas. It can also be used as an antenna for 900 MHz and 2.4/5.8 GHz unlicensed radio systems such as Wi-Fi.

Its compact size and white or black finish and the included all stainless-steel mounting bracket and U-bolts, nickel-plated N connector and ABS radome resist corrosion making this antenna perfect for outdoor or marine applications. Pole/Wall and Standard 1"-14 Marine Mount options are possible with optional mounting hardware.

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

For MIMO applications use 2 identical antennas spaced approximately 2 ft apart horizontally. 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 includes all 4G, LTE and Sub-6 FR1 5G Bands used worldwide includes 2.4 GHz & 5.8 GHz Wi-Fi bands
Peak Gain	8.5 dBi (frequency dependent)
VSWR	≤ 3.0:1 in band
Avg Radiation Efficiency	> 91% in band
Input Impedance	50 Ohm – use only 50 Ohm low-loss coax cabling
Polarization	Vertical
Max Input Power	50 W
Ground Plane	Not Required
Lightning Protection	Direct Ground

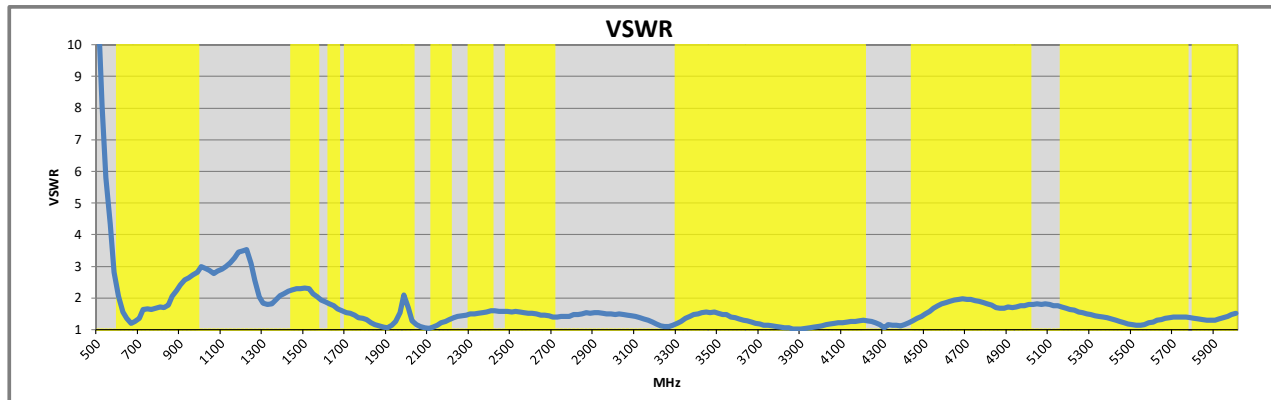
Mechanical Specifications

Parameter	Rating
Connector Type	N Female (jack) integrated into base of antenna
Length	8.7 inches / 22 cm with Deck Mount: 15.4 in/ 39 cm
Diameter	2.7 inches / 69 mm (excluding mount)
Weight	8.5 oz / 241 g with Deck Mount: 26.5 oz / 751 g
Materials	UV Stabilized ABS, stainless-steel, copper, brass, nickel - RoHS compliant
Antenna Colors	White or Black
Operating Temperature	-40°C to +80°C
Mounting Options	Deck Mount via 2.75" dia stainless base (screws/anchors included) Includes 1"-14 Marine Base adapter (coupler not included) Can be pole/wall/rail mounted with bracket BRK-126-002

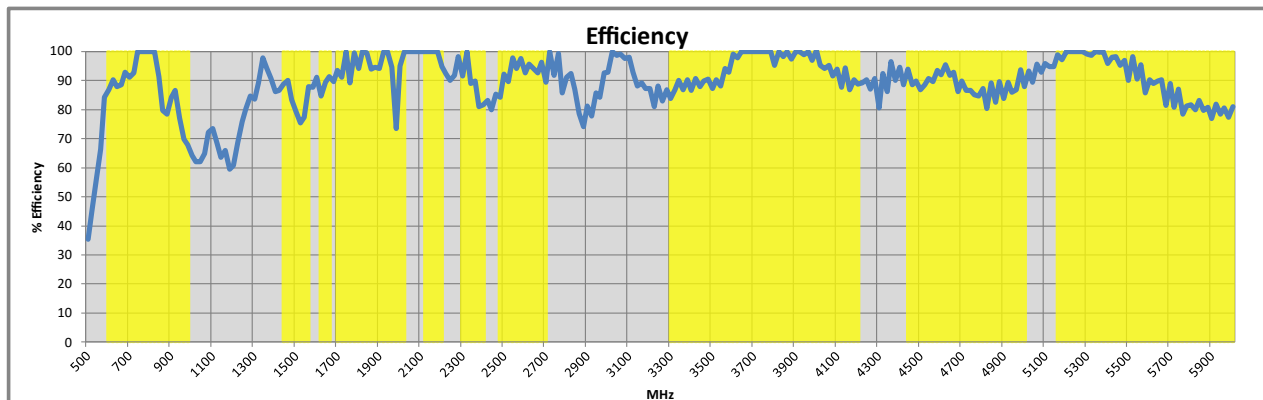
Operation of this device outside the parameter ranges given above may cause permanent damage.

Electrical Characteristics

VSWR



Efficiency



Yellow areas represent the primary 4G/5G/Wi-Fi frequency bands.

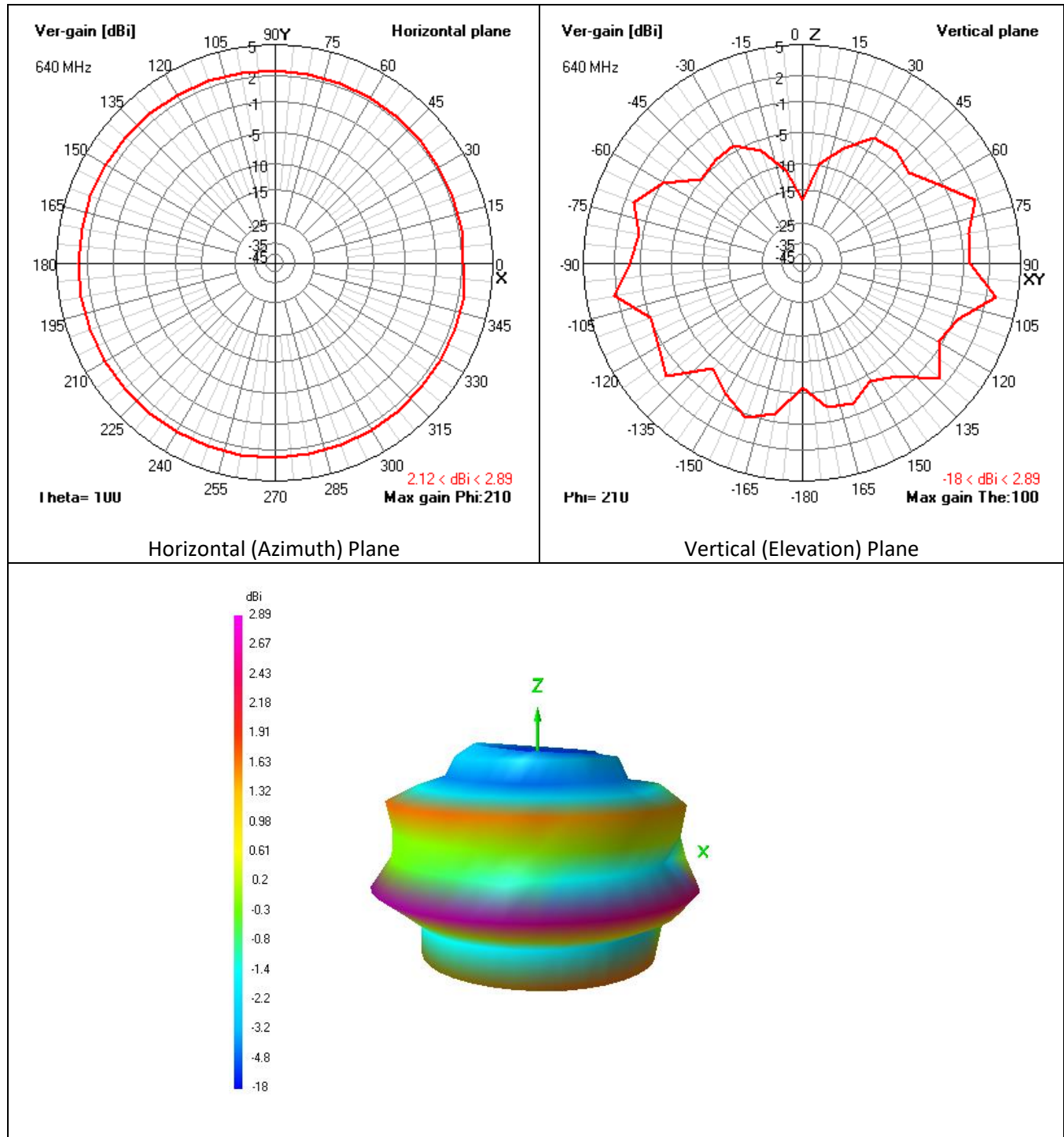
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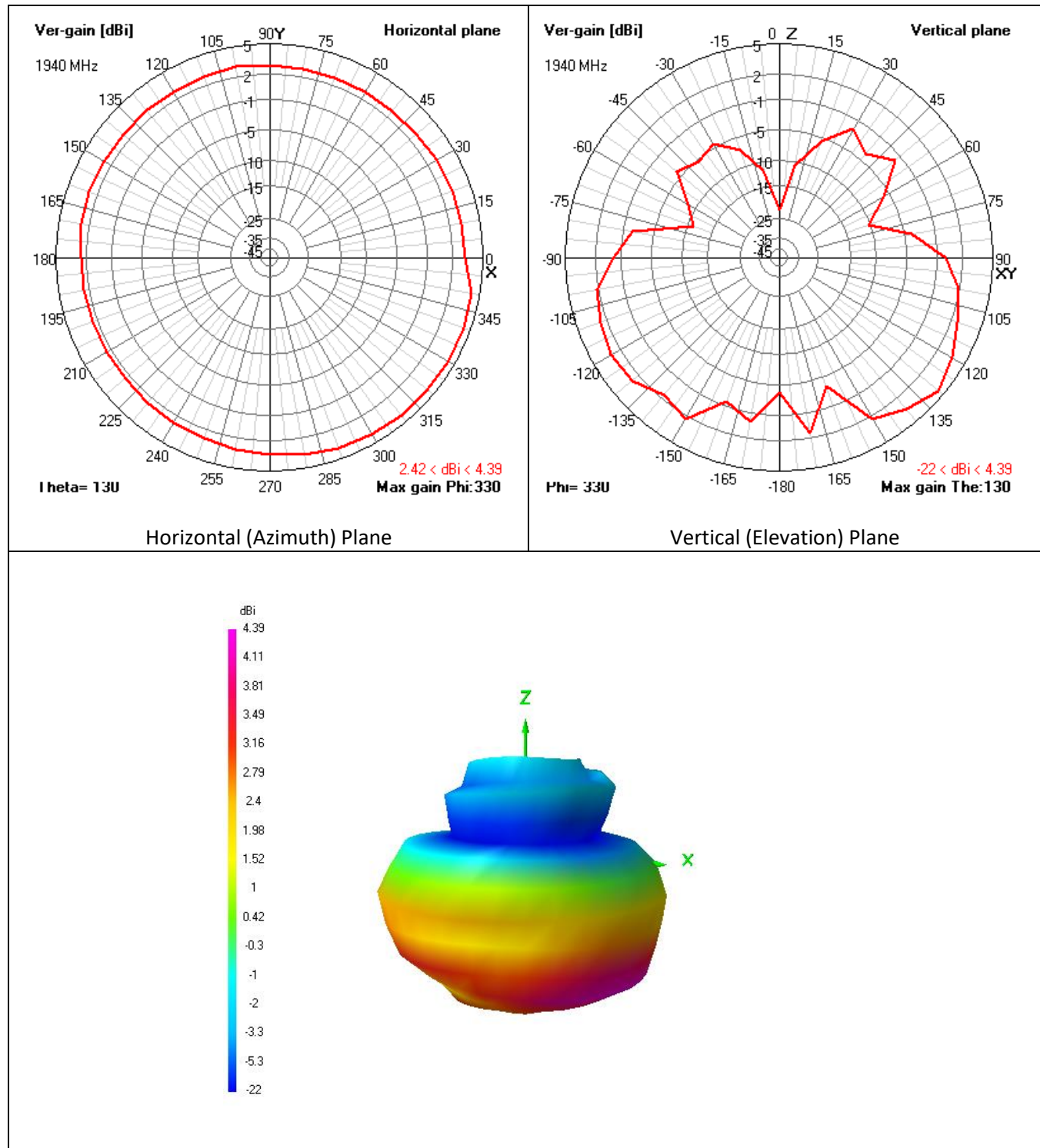
Radiation Patterns

640 MHz



Radiation Patterns

1940 MHz



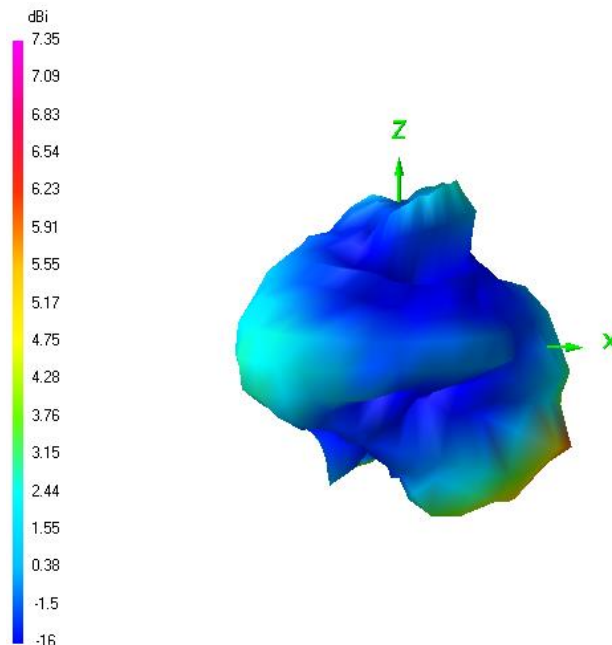
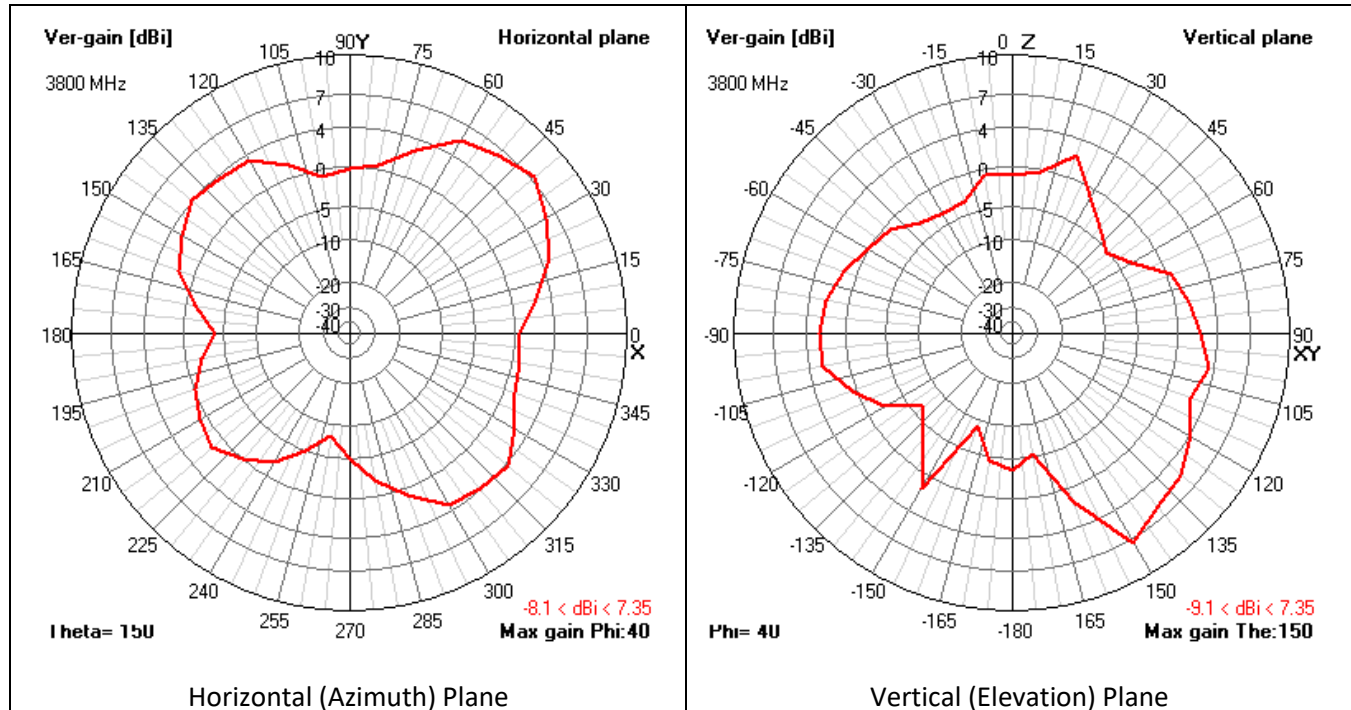
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Radiation Patterns

3800 MHz



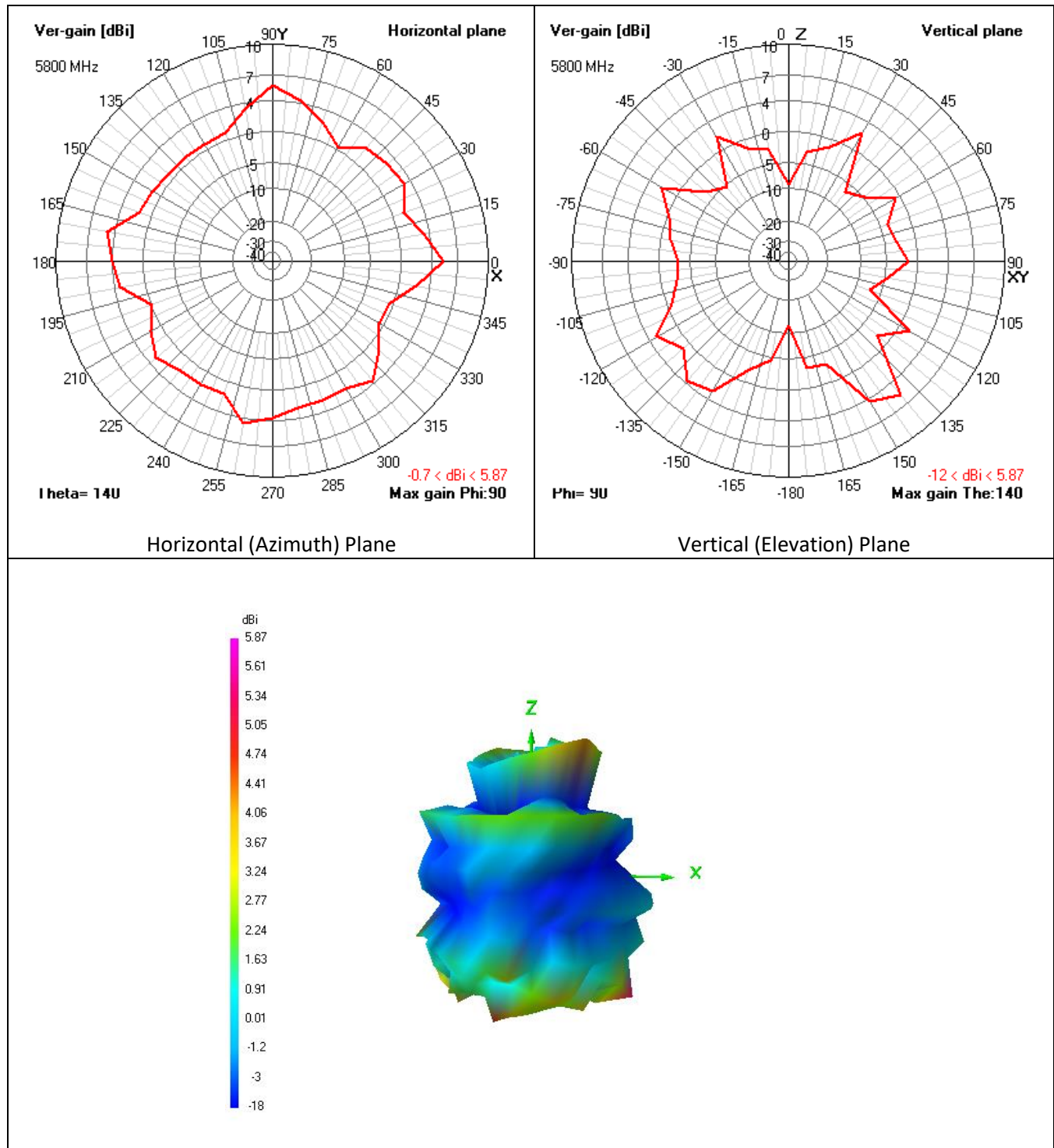
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Radiation Patterns

5800 MHz



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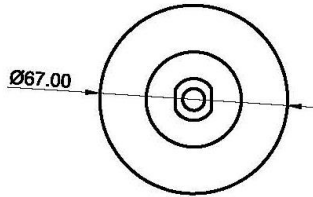
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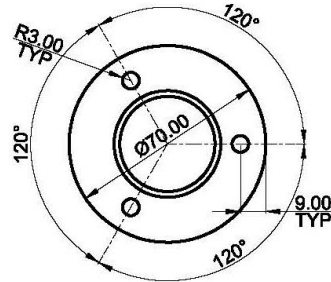
Mechanical Dimensions

Deck Mount Bracket

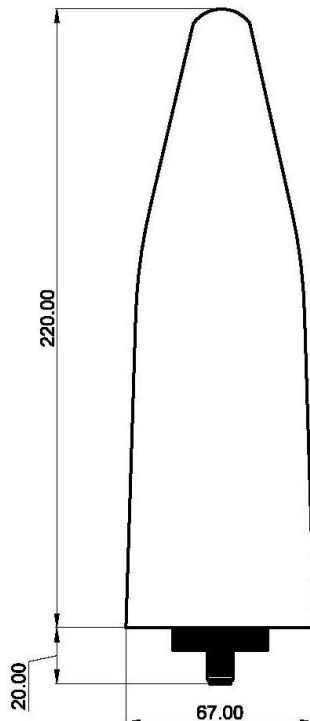
Dimensions in millimeters



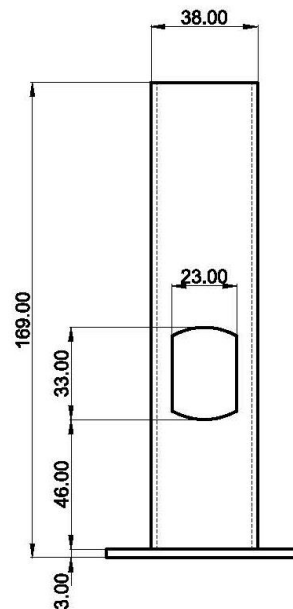
ANTENNA PLAN



TALL DECK MOUNTING
STAND PLAN



ANTENNA ELEVATION



TALL DECK MOUNTING
STAND ELEVATION

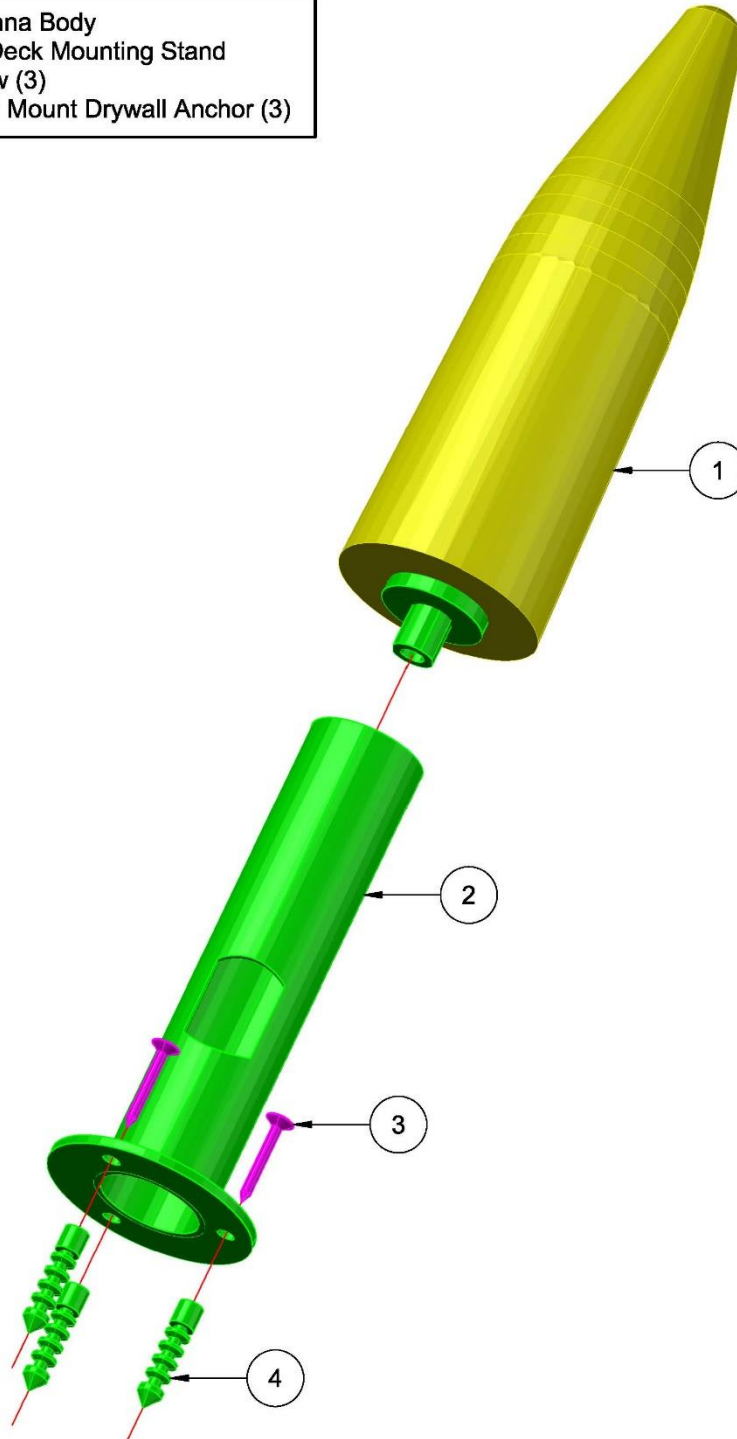
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Assembly Instructions

- 1 = Antenna Body
- 2 = Tall Deck Mounting Stand
- 3 = Screw (3)
- 4 = Flush Mount Drywall Anchor (3)



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Additional Product Images



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 – use Proxicast's ProGrade Silicone Tape (ANT-900-002)
- 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 spaced approximately 2 ft apart if modem supports diversity or MIMO

Contact Information

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