

ANT-122-M19

Low Profile MIMO 4G/5G Omnidirectional Puck Antenna



Applications

- Kiosks
- Vending Machines
- Digital Signage
- Video Surveillance
- Point-of-Sale Terminals
- SCADA / Telemetry / PLCs



Product Features

- 2 MIMO Elements in Single Radome
- Ultra Low Profile ~ 0.6 inches Tall
- Strong Magnetic and 3M Adhesive Mounting
- Vandal Resistant & Weatherproof
- Compatible with all 4G & 5G Networks
- 2.5 dBi Peak Gain
- Omni-Directional
- SMA Male Connectors on 6.5 ft Low-Loss Coax plus SMA/TS9 Adapters

Ordering Information

Part No.	Description
ANT-122-M19	Proxicast Ultra Low Profile MIMO 4G / 5G Omni-Directional 2.5 dBi Puck Magnetic/Adhesive Mount Antenna

General Description

This extremely low profile (< 0.6 inches tall) fixed mount omni-directional antenna provides up to 2.5 dBi of gain and works on 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.

Mounts via strong internal magnet or integrated 3M adhesive pad. Includes 6.5 ft of low-loss coax in a mesh sleeve fed through side of antenna radome. Completely waterproof (IP67).

Designed for M2M applications such as vending machines, meter housings, equipment sheds, or other locations requiring an inconspicuous low-profile external antenna. Can also be vehicle mounted for buses, vans, trucks or other mobile installations.

Dual integrated SMA male plug connectors mate with SMA female jacks on MIMO capable modems, routers, etc. Includes 2 SMA to TS9 adapters for use with routers and hotspots with TS9 external antenna jacks.

For optimum performance this antenna should be mounted through a flat, horizontal metal surface at least 8 inches in diameter.

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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
Peak Gain	2.5 dBi in band
VSWR	≤ 3 in band
Input Impedance	50 Ohm
Polarization	Linear
Max Input Power	50 W
DC Grounded	No
Recommended Ground Plane	8 inch (20 cm) diameter min

Mechanical Specifications

Parameter	Rating
Connector Type	SMA Male (plug) x 2 TS9 Male to SMA Female Adapters x 2
Cable Length	6.5 ft (2 m) of LMR 100 low-loss coax in mesh sleeve
Height	Radome: 0.6 inches (15 mm) above mounting surface
Diameter	Radome: 3.2 inches (81.3 mm)
Weight	4.6 oz (130 g)
Materials	Radome: UV stabilized ABS plastic Connector: Brass with Nickel plating Adhesive Pad: Urethane Foam
Antenna Color	Black
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours
Operating Temperature	-40°C to +85°C
Environmental Rating	IP67 (waterproof) RoHS compliant

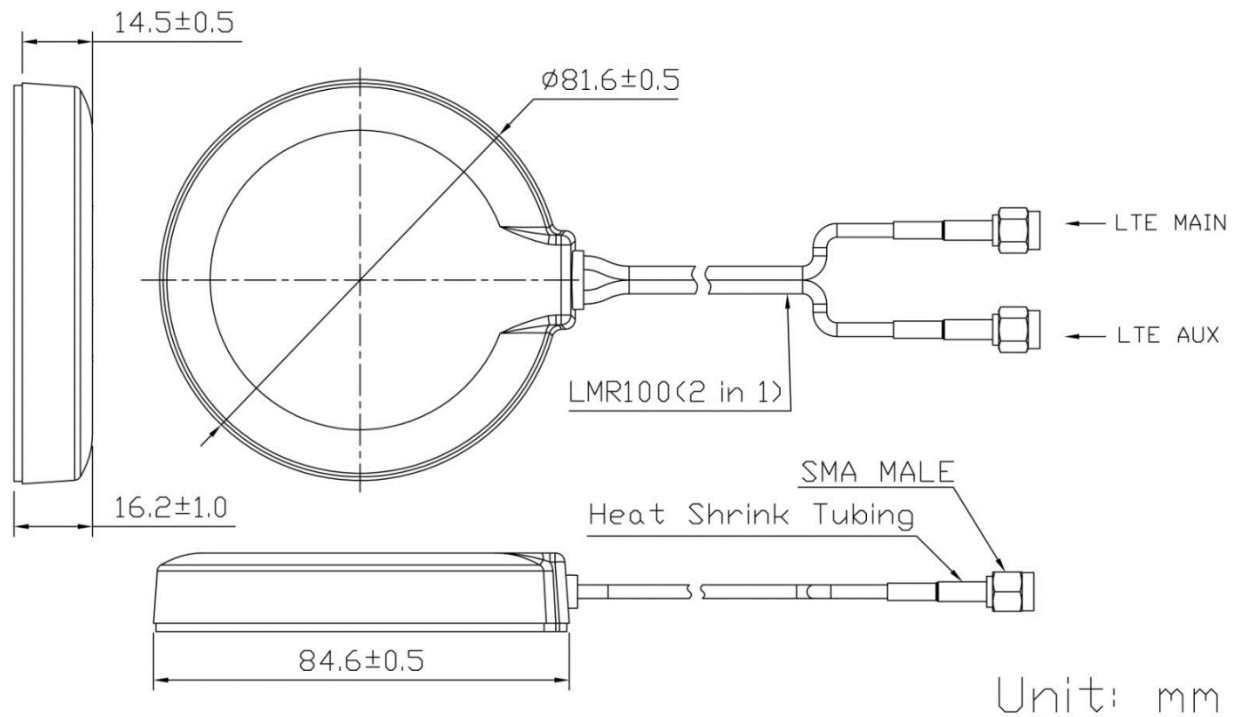
Operation of this device outside the parameter ranges given above may cause permanent damage.

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Mechanical Dimensions



Product Images



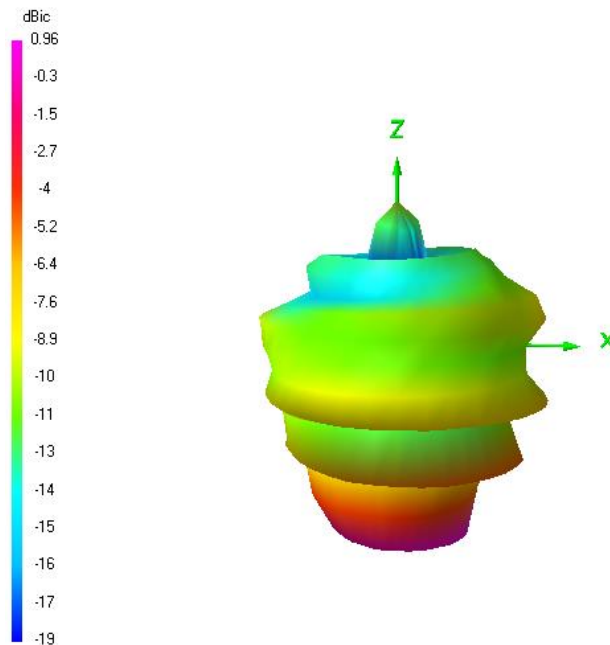
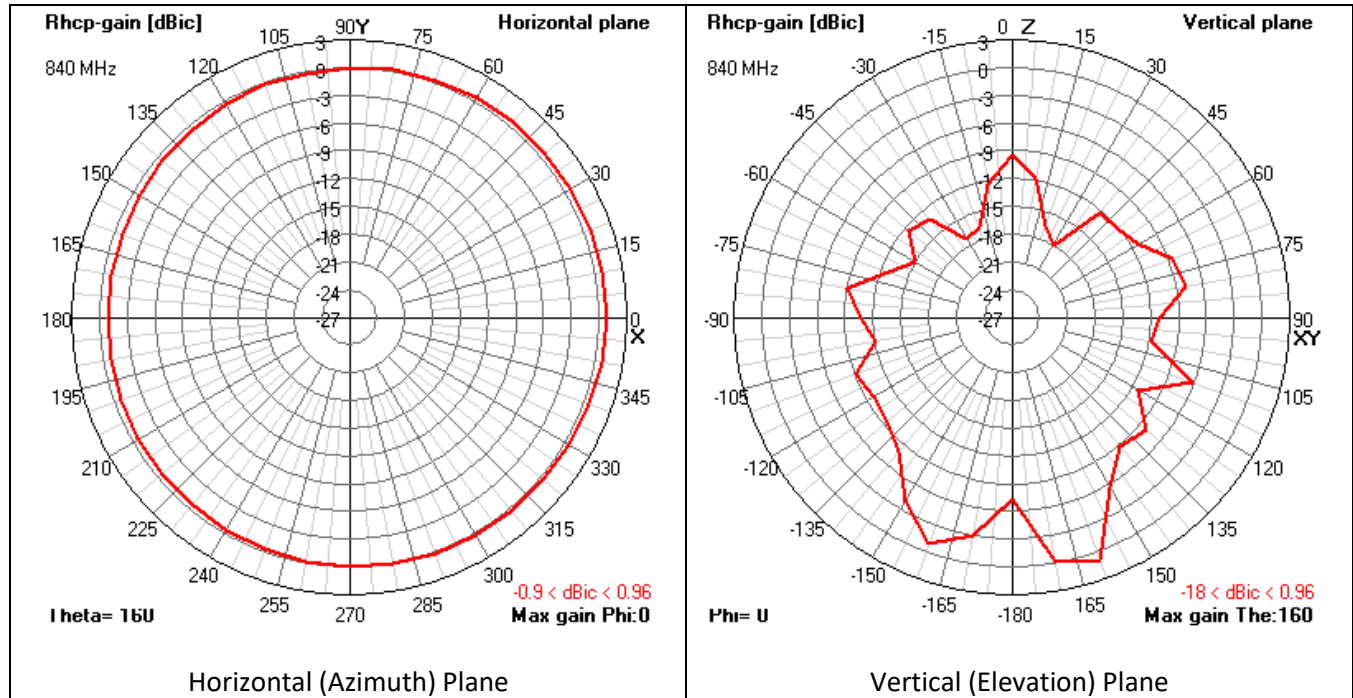
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Radiation Patterns

840 MHz



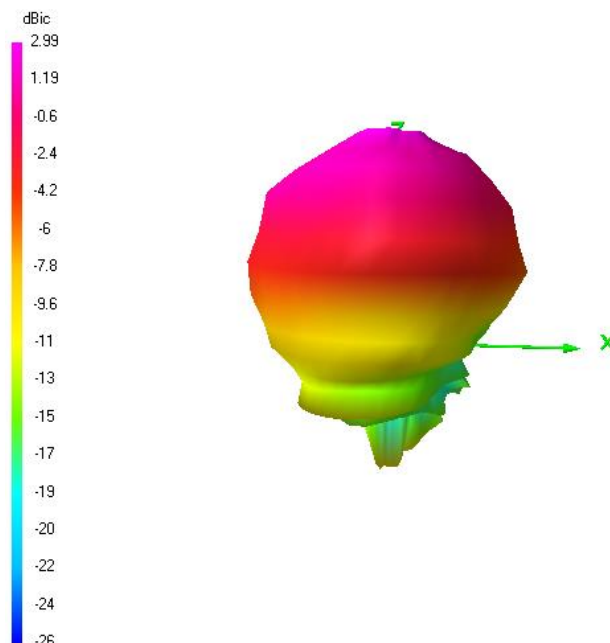
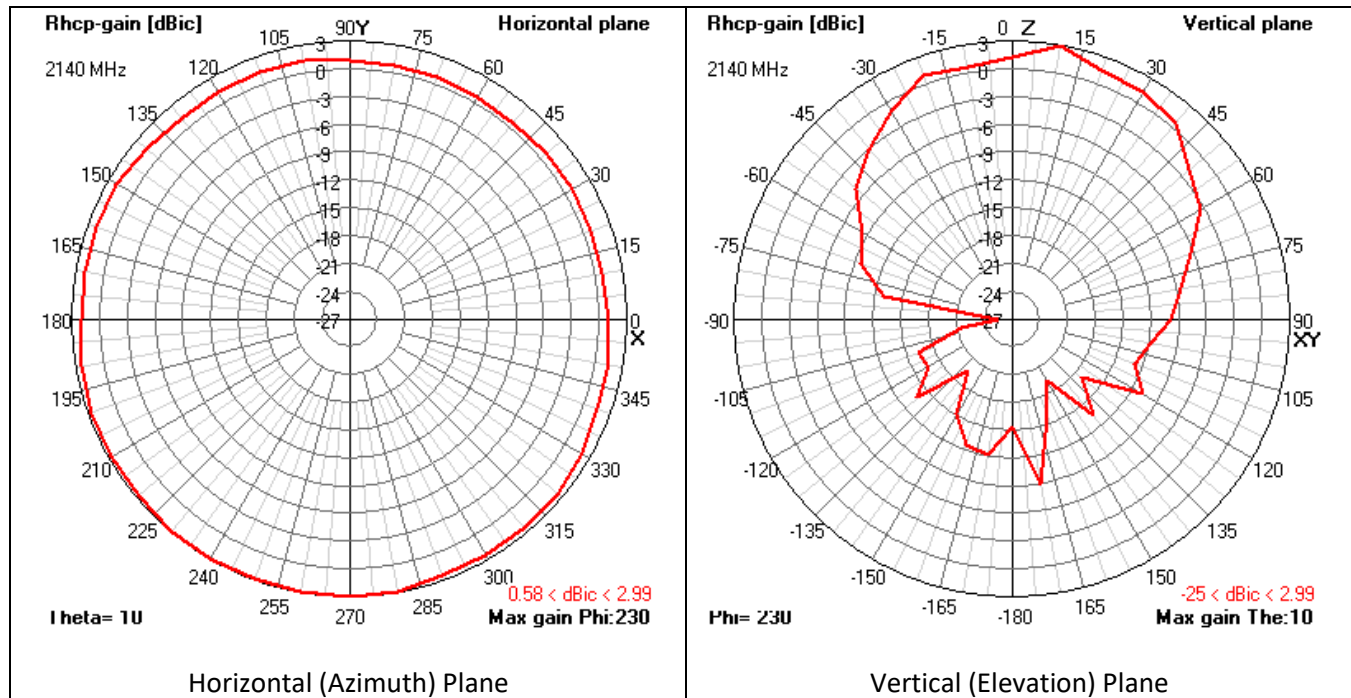
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Radiation Patterns

2140 MHz



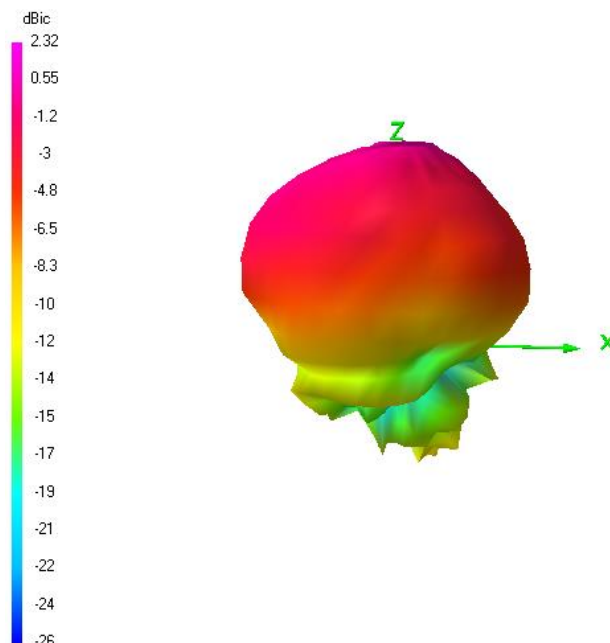
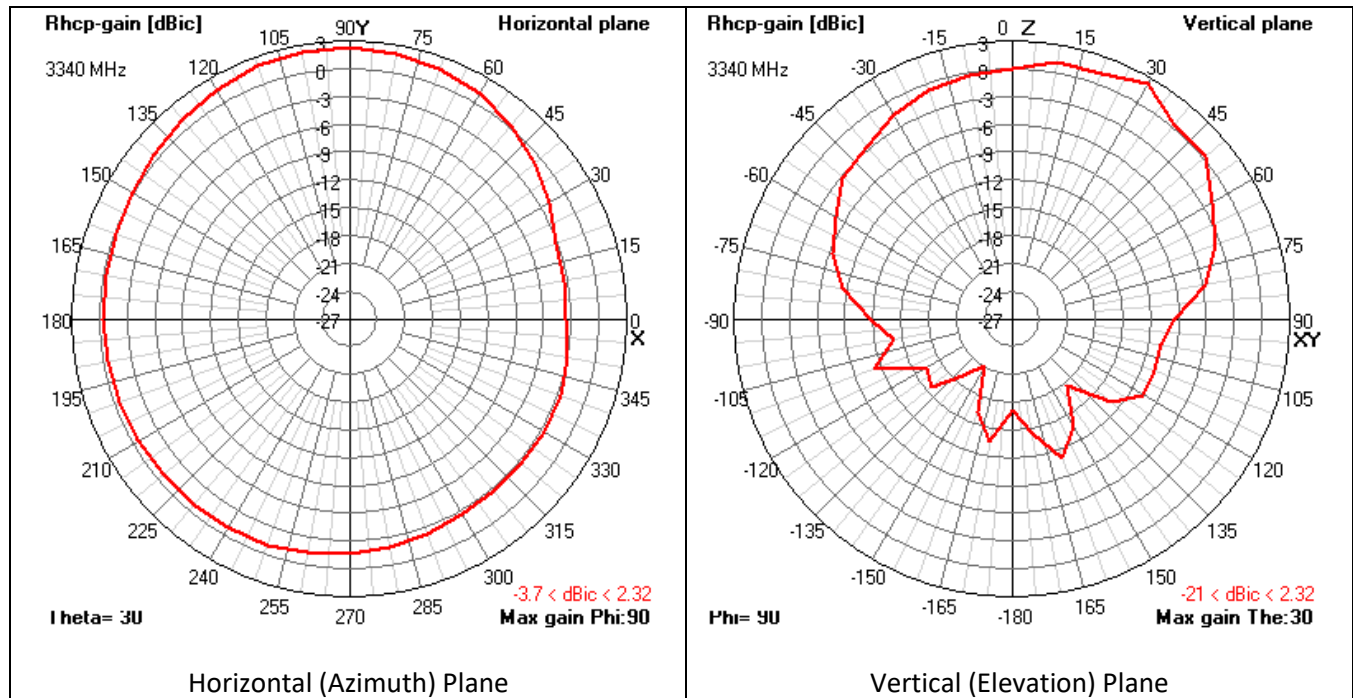
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Radiation Patterns

3340 MHz



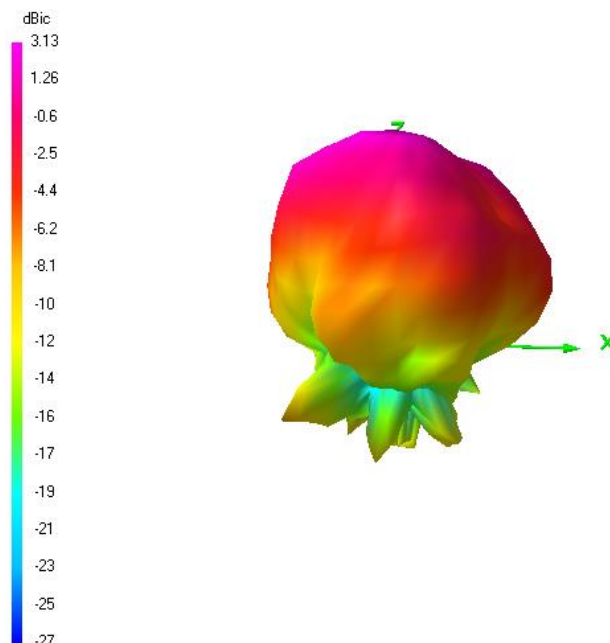
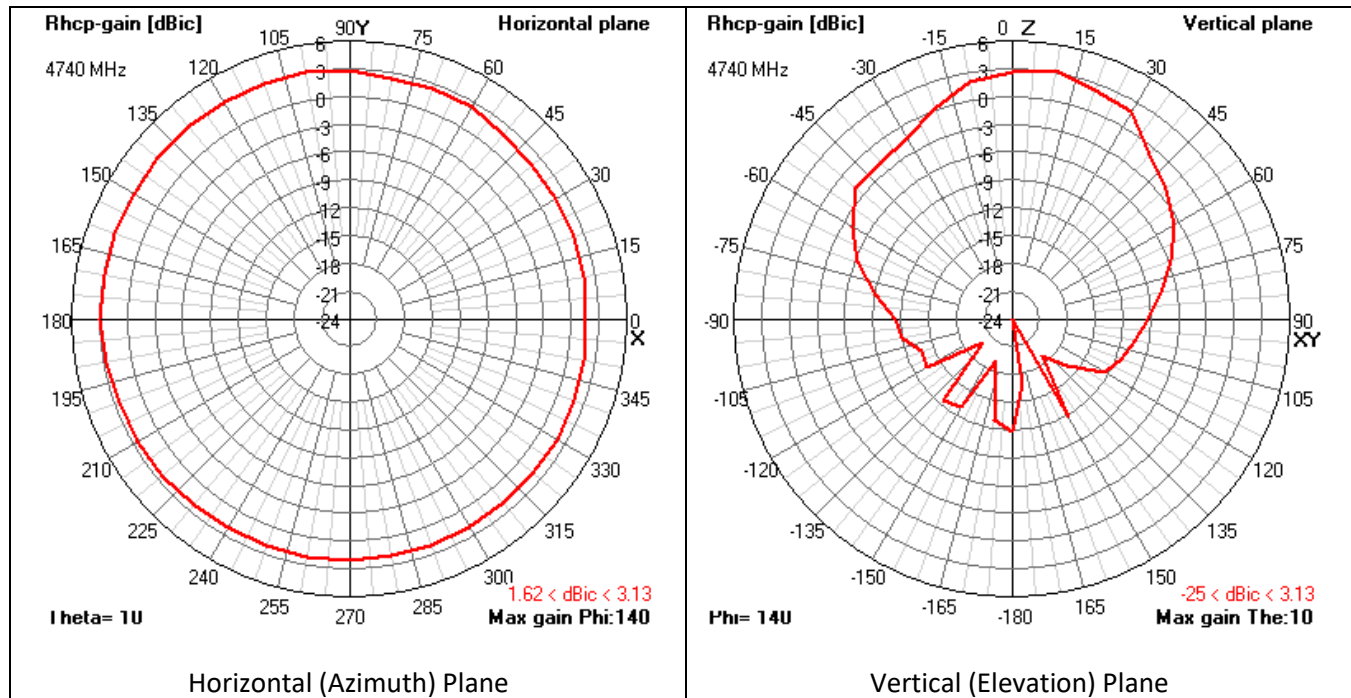
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Radiation Patterns

4740 MHz



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Installation Instructions

- 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 to a flat horizontal metal surface at least 8 inches in diameter
- Remove bottom plastic liner to expose adhesive
- Do not extend built-in coax cables
- Weatherproof all outdoor connectors

Contact Information

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

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