

ANT-122-M09

Low Profile MIMO 4G/LTE Omni Mag/Adhesive 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 3G & 4G/LTE Networks
- 2.5 dBi Peak Gain
- Omni-Directional
- TS9 Male Connectors on 10 ft Low-Loss Coax

Ordering Information

Part No.	Description
ANT-122-M09	Proxicast Ultra Low Profile MIMO 4G / LTE 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 3G & 4G cellular frequency bands worldwide (all CDMA, GSM, WCDMA/UMTS and LTE carriers) including AT&T, Verizon, Sprint, T-Mobile, Bell, Rogers and Telus.

Mounts via strong internal magnet or integrated 3M adhesive pad. Includes 6 ft of low-loss coax 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 TS9 male plug connectors mate with TS9 female jacks (recessed) on MIMO capable modems, routers, etc.

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	698-960 / 1710-2700 MHz includes all 2G, 3G, 4G, LTE Bands
Peak Gain	2.5 dBi
VSWR	≤ 3
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	TS9 Right Angle Male (plug) x 2
Cable Length	10 ft (3 m) of LMR RG174 low-loss coax
Height	Radome: 0.6 inches (15 mm) above mounting surface
Diameter	Radome: 3.2 inches (81.3 mm)
Weight	4 oz (112 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 2hours
Operating Temperature	-40°C to +85°C
Environmental Rating	IP67 (waterproof) RoHS compliant

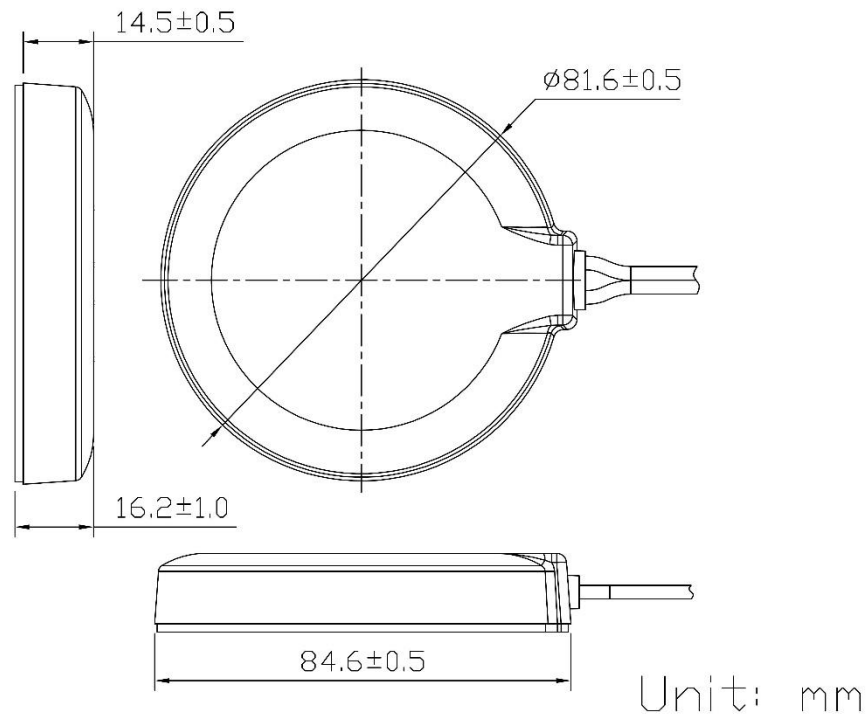
Operation of this device outside the parameter ranges given above may cause permanent damage.

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Mechanical Dimensions



Product Images



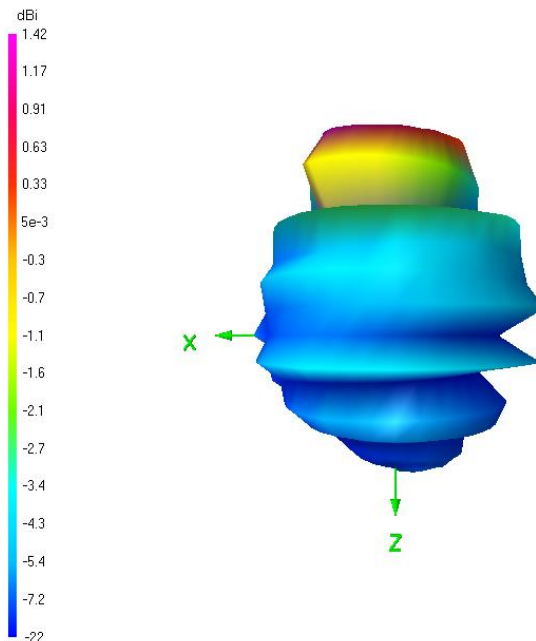
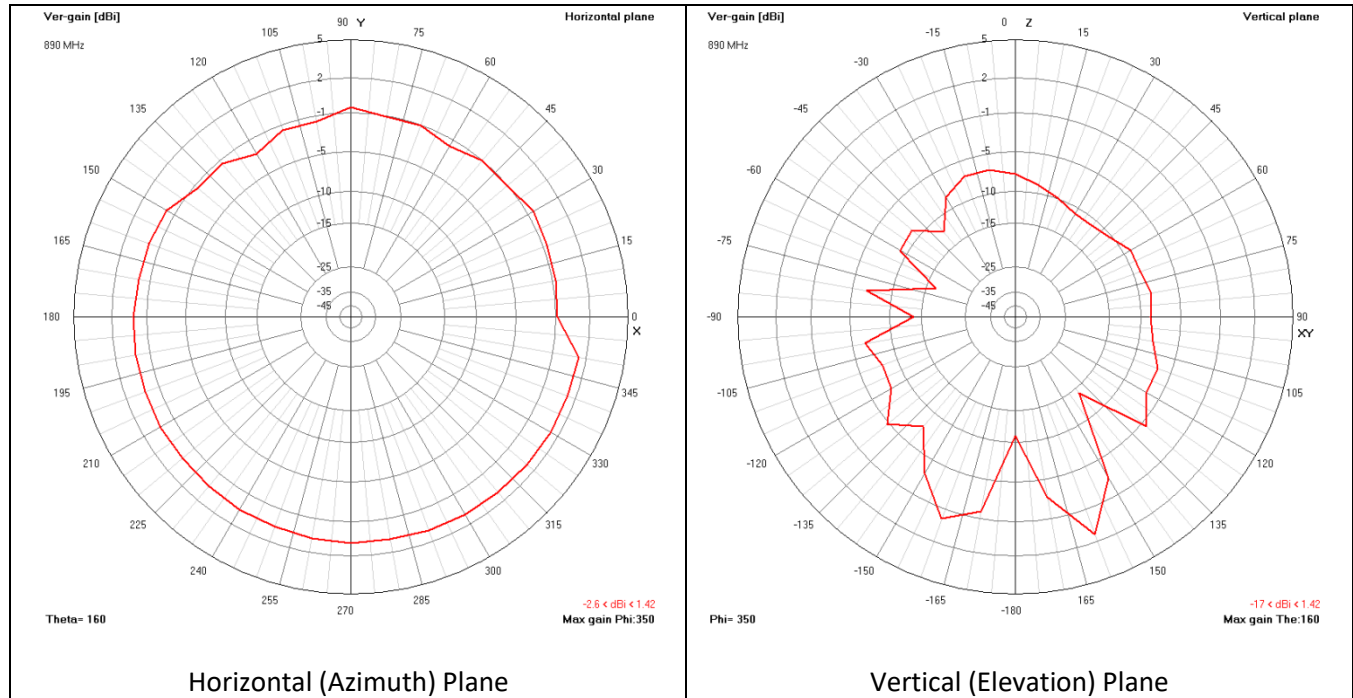
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Radiation Patterns

890 MHz



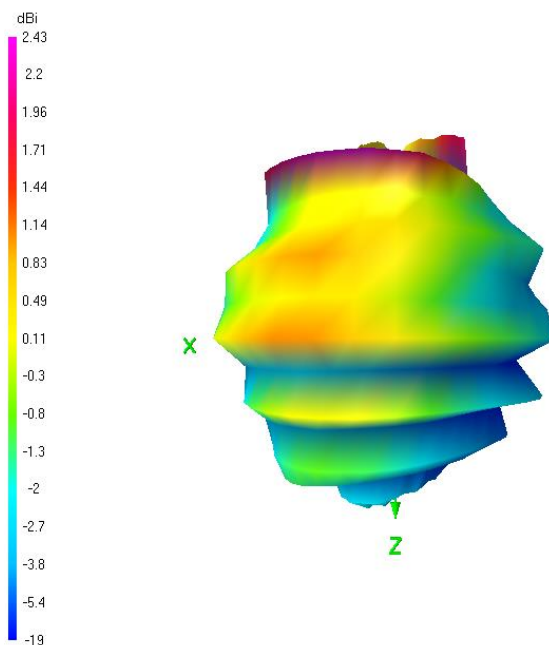
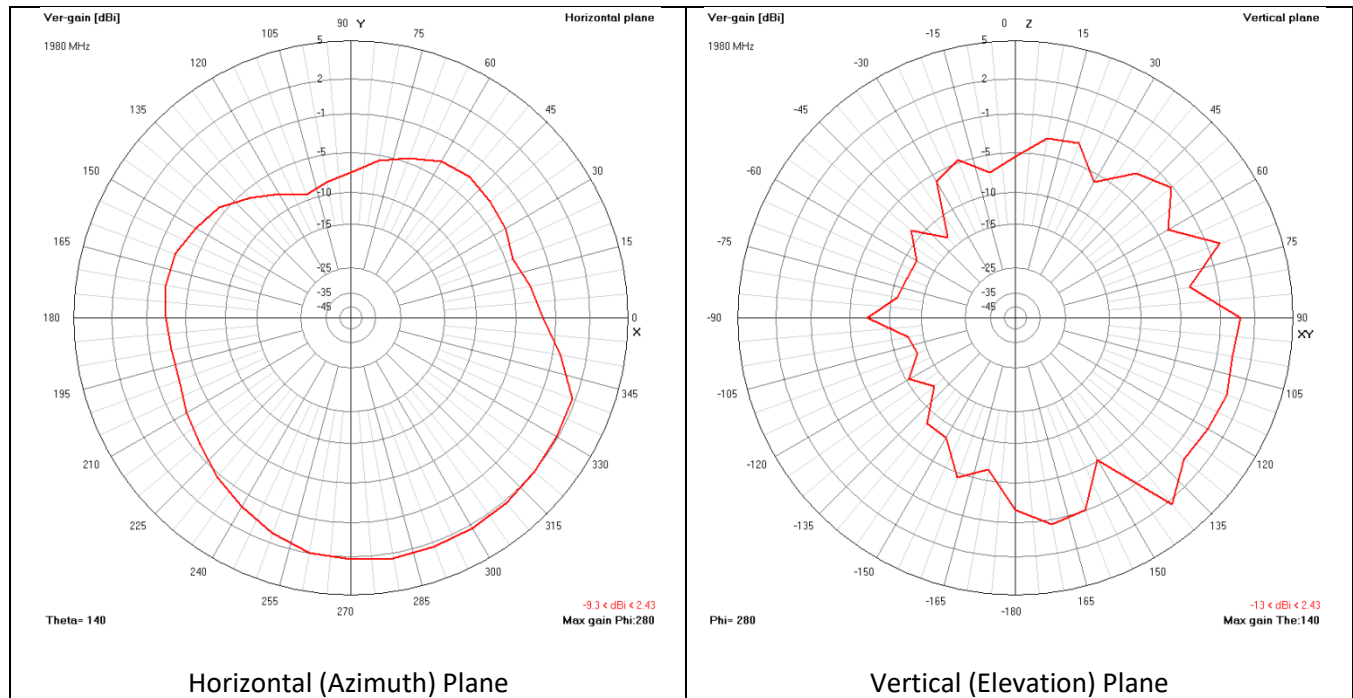
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Radiation Patterns

1980 MHz



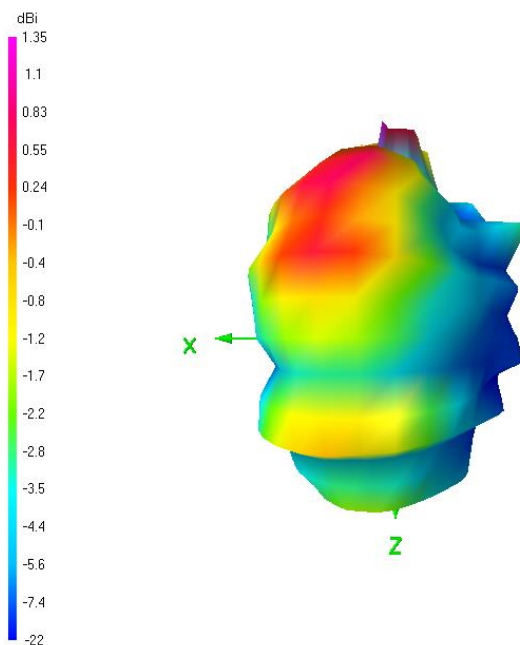
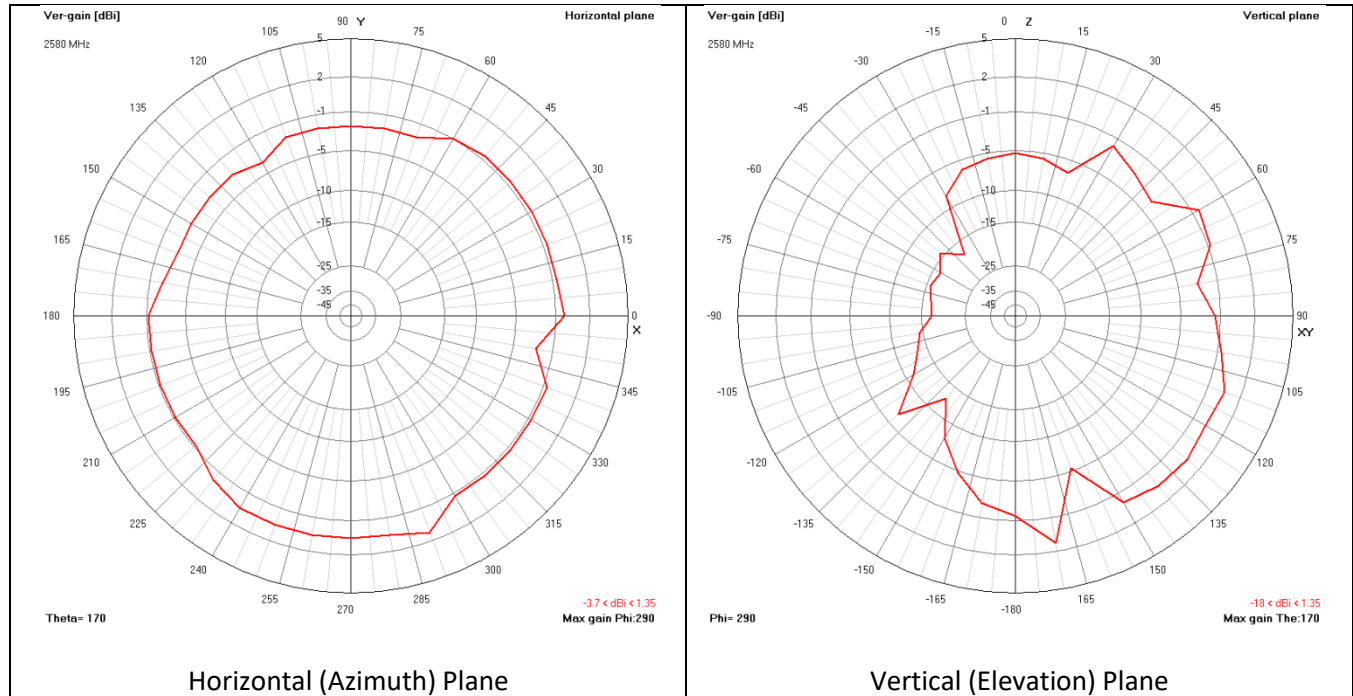
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Radiation Patterns

2580 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
- Keep total coax lead cable as short as possible & weatherproof all outdoor connectors

Contact Information

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

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