

# ANT-130-005

## Ultra Low-Profile 2.4/5.8/6 GHz WiFi Omni Antenna



### Applications

- Kiosks
- Vending Machines
- Digital Signage
- Point-of-Sale Terminals
- Vehicles
- Video Surveillance
- Covert Installations

### Product Features

- Extremely Low Profile ~ 0.6 in. high x 1.8 in dia.
- Hole / Screw Mounted
- Weatherproof, Compact & Light-weight
- Vandal Resistant – no exposed cable
- RP-SMA Male Connector
- Compatible with 2.4, 5.8 & 6 GHz WiFi Systems
- Compatible with most 802.11 a/b/g/n/ac/ax/be Access Points & Routers



### Ordering Information

Part No.	Description
ANT-130-005	Proxicast Ultra Low-Profile WiFi Omni-Directional 2 dBi Screw Mount Antenna with 6.7 ft coax & RP-SMA male

### General Description

This extremely low profile (< 0.6 inches tall) fixed mount omni-directional antenna provides 2 dBi of gain and works on all 2.4, 5.8 and 6 GHz WiFi frequency bands worldwide. It supports all WiFi standards as well as Bluetooth and ZigBee

Permanently mounts via a 1/2 in. (12 mm) hole with locking internal nut. Resists vandalism with no exposed coax cable. Includes low-loss coax fed through center mounting post.

Designed for applications requiring an inconspicuous low-profile external antenna such as kiosks, vending machines, equipment panels, conference rooms, etc. Can also be vehicle mounted for buses, vans, trucks or other mobile installations.

Integrated Reverse Polarity SMA male plug connector mates with RPSMA female jack on access points, routers, etc.

For MIMO applications mount 2 or more identical antennas at least 5 inches apart.

This antenna is also available for Cellular frequencies (4G/5G). See ANT-120-003.

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### Electrical Specifications

Parameter	Rating
Frequency Range	2.4, 5.8 & 6 GHz WiFi Frequency Bands
Peak Gain	2 dBi
VSWR	≤1.5:1
Input Impedance	50 Ohm
Polarization	Vertical
Max Input Power	20 W
Ground Plane	Not Required
DC Grounded	No

### Mechanical Specifications

Parameter	Rating
Connector Type	Reverse Polarity SMA (RPSMA) Male (plug)
Cable Length	6.7 ft (2 m) of low-loss RG316 coax
Mounting Post	Screw Mount via 0.5 inch (12 mm) hole
Retaining Nut	Nominal thread size: M12 Pitch: 1.25 mm Thickness: 5 mm
Dimensions	0.59 in (15 mm) High 1.8 in (46 mm) Diameter
Materials	Radome: UV stabilized ABS plastic Connector: Brass Mounting Post: Brass 3M Adhesive Pad
Antenna Color	Black
Weight	1 oz (28 g) excluding coax
Operating Temperature	-30°C to +75°C

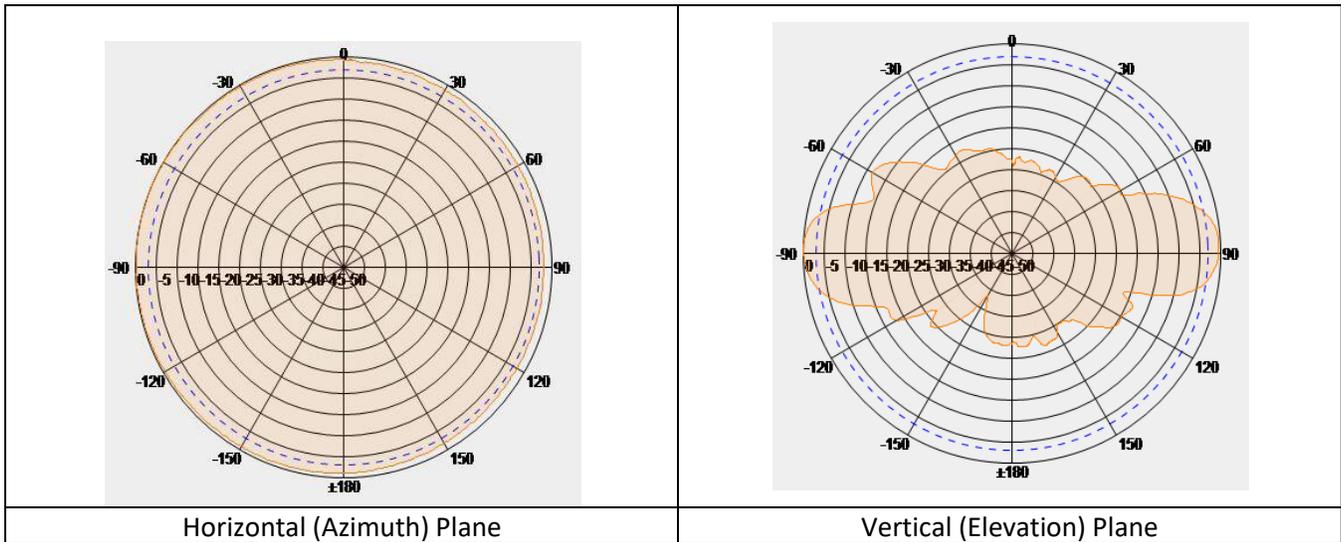
Operation of this device outside the parameter ranges given above may cause permanent damage.

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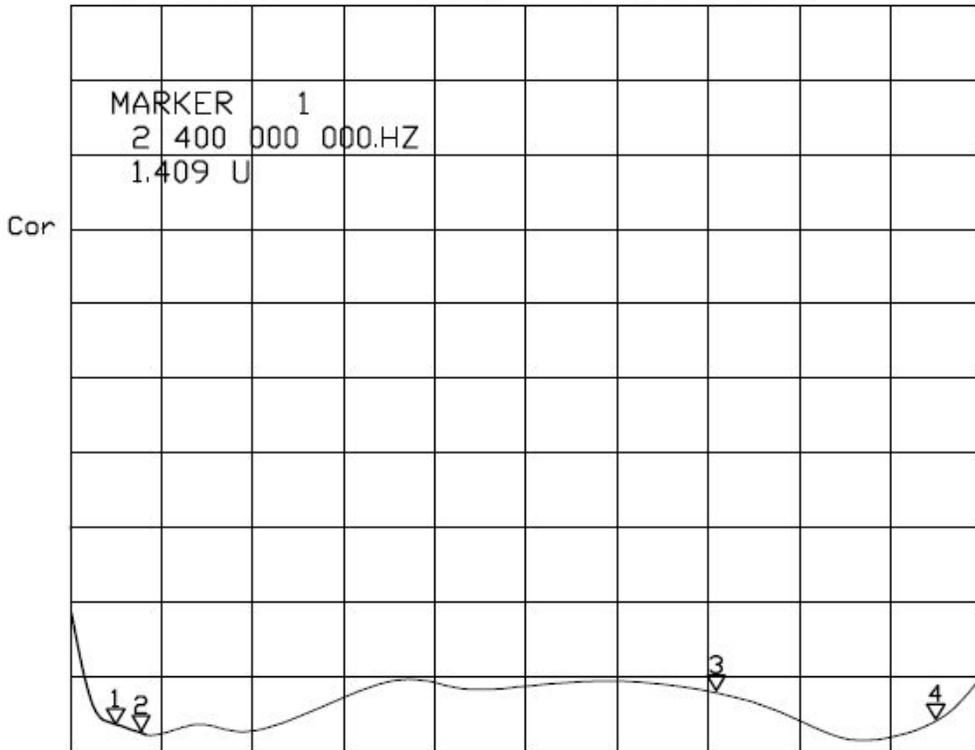


## Radiation Patterns



## VSWR

CH1 A/R SWR MKR 1: 1.409 U  
 REF 1.000 U 1.000U/ 2 400 000 000.HZ



CH1 START 2 200 000 000.HZ

STOP 6 000 000 000.HZ

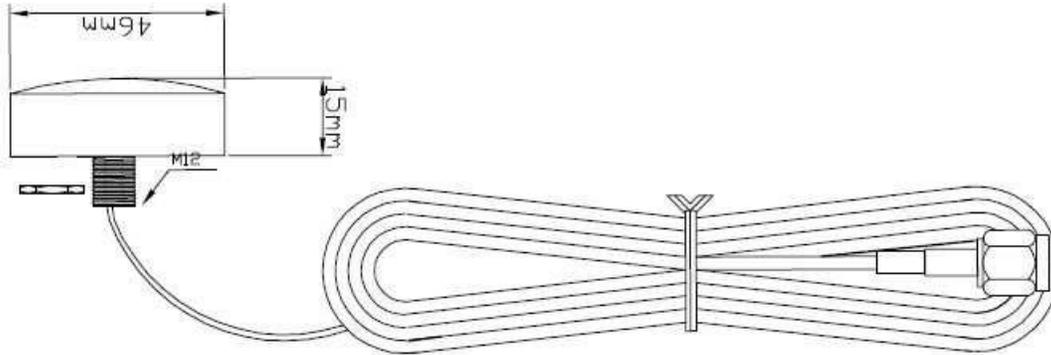
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## Mechanical Dimensions

Dimensions in millimeters



## Product Images



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### Installation Instructions

- Position away from:
  - CRT/TVs
  - Lighting fixtures
  - Motors
  - Other wireless devices
  - Large vertical metal or concrete objects
  - Low-E or tinted/coated windows
- Drill a 0.5 inch (12 mm) diameter hole in a horizontal flat surface
- Remove mounting nut & washer and feed coax cable through hole
- Remove bottom plastic liner to expose adhesive
- Press antenna into hole and tighten nut & washer from underneath
- Optionally apply a thin bead of silicone caulk around the antenna rim

### Contact Information

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

Web: [www.proxicast.com](http://www.proxicast.com) Tel: 1-877-777-7694

Email: [sales@proxicast.com](mailto:sales@proxicast.com) 1-412-213-2477

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For technical questions and application information:

Email: [support@proxicast.com](mailto:support@proxicast.com)

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