



Omni-2.4

Multipolarized 2.4GHz Omni-Directional Antenna

Data Sheet

Product Overview

The **Omni-2.4** offered by MP Antenna is a low profile multipolarized antenna that can be easily mounted to drop ceiling tiles or solid surfaces without heavy brackets. Weighing less than 2 oz. the **Omni-2.4** is ideal for deployments in hospitals, hotels, schools, and other commercial installations where omni-directional coverage is required. The exceptional effective hemispherical, multipolarized signal pattern provides unequalled wireless communication in "Real World" obstructed non-line-of-sight (NLOS) environments. For ultimate performance use MP Antenna technology to further improve connectivity, throughput and network performance on all wireless devices.



When tested in non-line-of-sight obstructed environments the **M-POL™ Certified Omni-2.4** can outperform non-multipolarized 8dBi gain antennas.



M-POL™ is the MP Antenna standard of excellence where multipolarized antenna technology is designed into highly engineered quality products providing the maximum level of real world wireless performance.

Features

- Multipolarized, Multiplane and Multipath Send and Receive.
- Obstruction Penetrating.
- Enhanced Connectivity and Throughput.
- Built in Spatial Diversity.
- Effective Broad Pattern Coverage.
- **M-POL™** Quality and Performance.
- Low profile, light weight design.
- UV Stabilized Materials.
- RoHS Compliant.
- Available with Connector, Peel and Stick, or Stud Mounting options.

Applications

- 2.4 GHz ISM Band Applications.
- 802.11b,g,n Wireless Systems.
- Wireless Broadband Systems.
- WiFi Access Point, Router, Bridge, CPE.
- Building Penetration and High Obstruction Deployments.
- Vehicle WiFi.

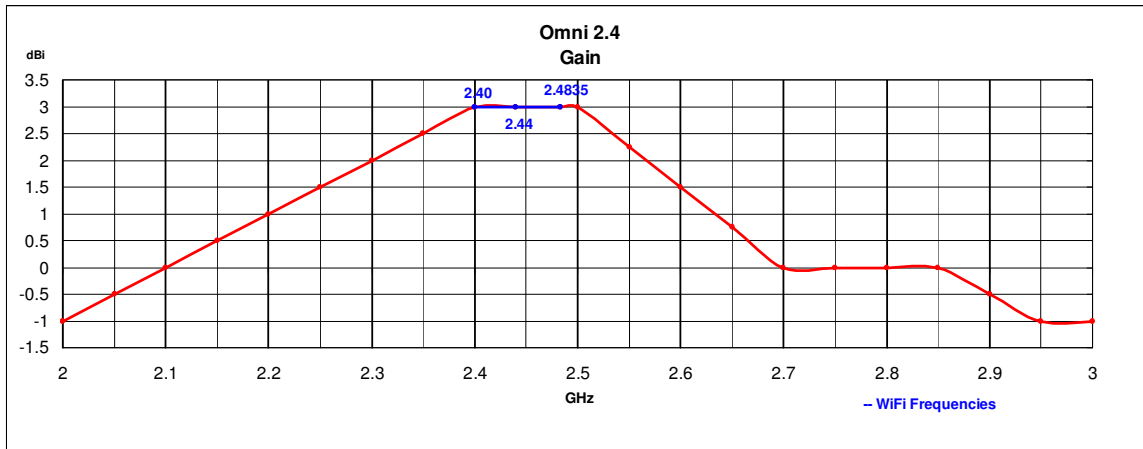
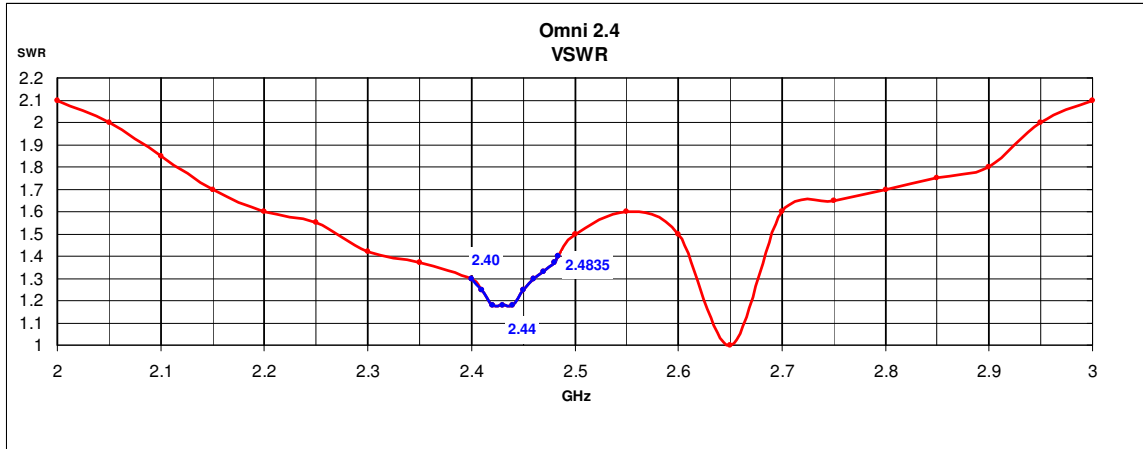
* **MP Antenna** products and technology are protected under United States Patent No. 6,496,152 and other patents applied for. Please contact MP Antenna for information about using or licensing **MP Antenna** products or technology.



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Physical Specifications

- Diameter: 5.5 in
- Height: 2 in
- Weight: 1.8 oz
- Construction: UV Stabilized Polymers
- Connector: SMA-Female
- Warranty: One year limited.

Typical Performance

- Frequency Range: 2-3GHz
- Gain: 3dBi*
- VSWR: 1:1-1.2:1
- Polarization: Multipolarized
- Power: 50 Watts Input
- Input: 50 ohms nominal

Part Numbers

- Omni-2.4 W/ Connector Mount: 08-ANT-0866-CONN
- Omni-2.4 W/ Adhesive Mount: 08-ANT-0866-FACE
- Omni-2.4 W/ Stud Mount: 08-ANT-0866-STUD

***With built in spatial and polarization diversity performance in obstructed environments is greater than that of standard antennas with similar or higher laboratory gains.**

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