



DATA SHEET

# HG OMNI-5GHZ 8dBi

HIGH GAIN OMNI DIRECTIONAL MULTI-POLARIZED ANTENNA

MODEL NO:

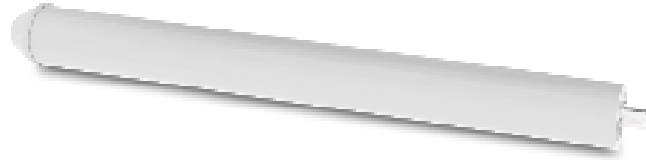
**08-ANT-0900**

## Features

- Multi-Polarized
- Obstruction Penetrating TX/RX
- Enhanced Connectivity & Throughput
- Built In Spatial Diversity
- Low Profile
- RoHS Compliant
- Light Weight

## Applications

- 5GHz Band Applications
- Point to Multipoint Systems
- Wireless Broadband Systems
- Access Point, Router, Bridge, CPE
- Building Penetration and High Obstruction Deployments



## Product Overview

The High Gain Omni-5GHz 8dBi antenna radiates maximum power in all directions and provides superior patterning and continuous performance (5.15GHz-5.9GHz) for base station data communications. With built-in spatial diversity and patented 3-D Design, the High Gain Omni-5GHz 8dBi antenna captures signals in any polarization allowing users to transmit and receive behind buildings, hills and in valleys where other antennas cannot maintain connectivity.

MP Antenna, LTD.

147 Eady Court

Elyria, Ohio 44035

440 387 5968 *phone*

877 678 3245 *fax*

[sales@mpantenna.com](mailto:sales@mpantenna.com)

[www.mpantenna.com](http://www.mpantenna.com)

## Physical Specifications

- Diameter: 2 in
- Height: 18 in
- Weight: 6 oz
- Connector: N-Female  
**(Other connectors available)**
- Construction: UV Stabilized Polymers
- Warranty: One year limited

\*\*Mounting Hardware not included.

## Typical Performance

- Frequency Range: 5.15-5.9GHz
- Gain: 8dBi\*
- VSWR: 1:1-1.5:1
- Polarization: Multi-Polarized
- Power: 50 Watts Input
- Input: 50 ohms nominal

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

rethink the antenna™

MP Antenna reserves the right to change product information and specifications without notice. Responsibility for the use and application of MP Antenna products rests with the end user since MP Antenna cannot be aware of all potential uses. MP Antenna makes no warranties as to the fitness, merchantability, or suitability of any MP Antenna products for any specific or general uses. MP Antenna shall not be liable for incidental or consequential damages of any kind.\* MP Antenna products and technology are protected under one or more of the United States Patents 6,496,152 6,806,841 7,030,831 7,138,956 7,236,129 7,348,933 7,791,555 7,916,097 D,623,633 D,634,308 and other United States and Foreign patents applied for.

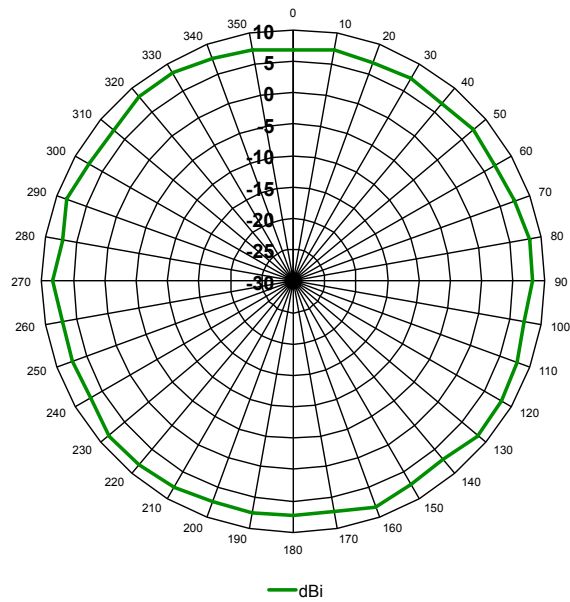


DATA SHEET

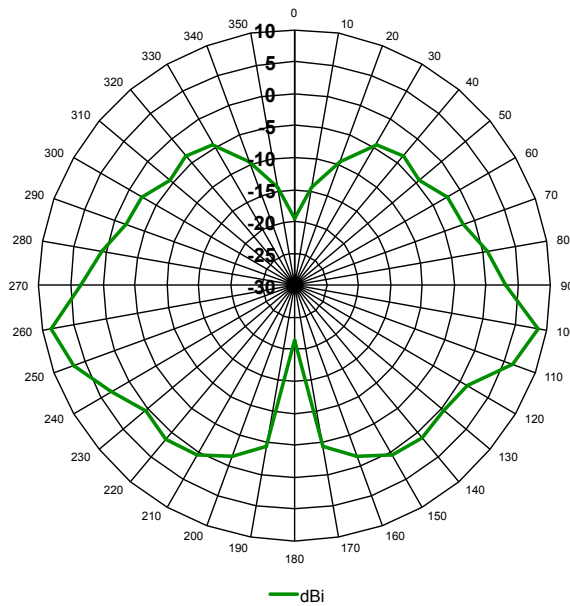
# HG OMNI-5GHZ 8dBi

HIGH GAIN OMNI DIRECTIONAL MULTI-POLARIZED ANTENNA

5.8GHz Azimuth Radiation Pattern



5.8GHz Elevation Radiation Pattern



rethink the antenna™

MP Antenna reserves the right to change product information and specifications without notice. Responsibility for the use and application of MP Antenna products rests with the end user since MP Antenna cannot be aware of all potential uses. MP Antenna makes no warranties as to the fitness, merchantability, or suitability of any MP Antenna products for any specific or general uses. MP Antenna shall not be liable for incidental or consequential damages of any kind.\* MP Antenna products and technology are protected under one or more of the United States Patents 6,496,152 6,806,841 7,030,831 7,138,956 7,236,129 7,348,933 7,791,555 7,916,097 D,623,633 D,634,308 and other United States and Foreign patents applied for.