



White MAXRAD High Performance Omnidirectional Antennas

The MHO24004NM omnidirectional antenna is a high performance low profile base station antenna in a rugged housing. The antenna is designed to cover frequencies from 2.4 to 2.5 GHz for Wi-Fi - Mesh applications. With its integral N-Male connector at the base, this antenna can be directly mounted on the radio equipment.

Features

- Slender rugged housing
- Innovative vented design with aerated cap and base drain system
- White UV resistant radome. Protects the antenna from environmental factors

Electrical Specifications

| Model | Frequency Range | Nominal Gain | H-plane Beamwidth | E-plane Beamwidth | VSWR |
|------------|-----------------|--------------|-------------------|-------------------|-------|
| MHO24004NM | 2.4-2.5 GHz | 4 dBi | 360° (omni) | 30° | < 2.0 |

Mechanical Specifications

| Model | Wind Survival | Equivalent Flat Plane Area | Lateral Thrust @ Rated Wind | Bending Moment @ Rated Wind | Height | Weight |
|------------|---------------|----------------------------|-----------------------------|-----------------------------|--------|------------------|
| MHO24004NM | 125 mph | 0.04 ft ² | 3.1 lbs. | 1.1 ft-lbs. | 8.5" | 0.3 lbs (.14 kg) |

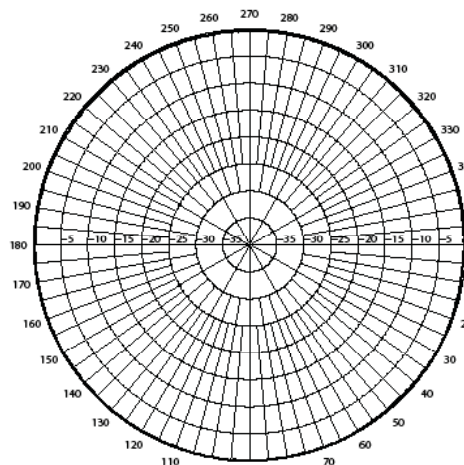
Omnidirectional Antenna, Side View (top); Bottom View (bottom)



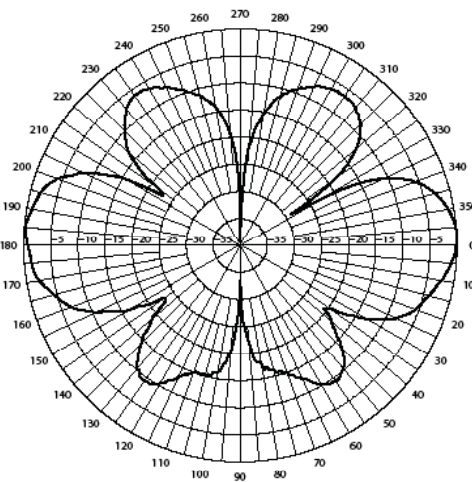
Technical Data

| |
|---|
| General Specifications: Omnidirectional Base Station Antenna |
| Maximum Input Power: 25 watts |
| Radome Material UV Stable Plastic |
| Nominal Impedance: 50 Ohms |
| Polarization: Vertical Linear |
| Mounting Method: N Female Bulkhead or Pipe Mount |
| Termination: Type N Male |

Radiation Patterns



Azimuth Plane



Elevation Plane

©2009 PCTEL, Inc. Product specifications are subject to change without notice.