

6 dBi Omni Antenna 824-960 MHz, N Type Female Fiberglass Radome, 1.5:1 Typ VSWR

The Fairview Microwave FM510M1014 is a high performance omnidirectional antenna designed for the 800 MHz / 900 MHz ISM band. It is ideally suited for multipoint, Non Line of Sight (NLOS) and mobile applications where high gain and wide coverage is desired. Typical applications include 900 MHz Wireless LAN, SCADA, Wireless Video Links, LPWAN/IoT/M2M, and 800 MHz as well as 900 MHz Cellular band applications.

This antenna features an integral N-Female bulkhead type connector that mounts through the wall of an equipment enclosure. Included with the FM510M1014 is a mast mounting kit. Consisting of a heavy-duty steel bracket and a pair of U-bolts, this kit allows installation on masts up to 2.0" in diameter.

This omni antenna's construction features a rugged 1.3" diameter white high intensity fiberglass radome for durability and aesthetics. It is designed for all weather operation.

Configuration

| | |
|-----------------|----------|
| Design | Omni |
| Gain | 6 |
| Polarization | Vertical |
| Connector Type | N Female |
| Number of Ports | 1 |

Electrical Specifications

| Description | Min | Typ | Max | Units |
|---------------------------------|-----|-------|-----|---------|
| Frequency Range | 824 | | 960 | MHz |
| Input VSWR | | 1.5:1 | | |
| Impedance | | 50 | | Ohms |
| Gain | | 6 | | dBi |
| Horizontal (Azimuth) Beam Width | | 360 | | Degrees |
| Vertical (Elevation) Beam Width | | 30 | | Degrees |
| Input Power | | | 100 | Watts |

Mechanical Specifications

| | |
|-----------------|----------------------|
| Radome Material | Fiberglass |
| Size | |
| Length | 22.2 in [563.88 mm] |
| Width | 1.5 in [38.1 mm] |
| Height | 1.5 in [38.1 mm] |
| Weight | 1.004 lbs [455.41 g] |

Environmental Specifications

| | |
|--------------------|----------------------|
| Temperature | |
| Operating Range | -40 to +85 deg C |
| Wind Loading | 108 MPH [173.81 KPH] |

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Features:

- Superior all weather performance
- Rugged industrial grade design
- Lightweight fiberglass radome
- Integral N-Female connector
- Heavy-duty steel mounting bracket

Applications:

- 900 MHz ISM Band & Wireless LAN systems
- Multipoint applications
- Non Line of Sight (NLOS)
- LPWAN, LoRA, IoT, M2M applications
- GSM

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6 dBi Omni Antenna 824-960 MHz, N Type Female Fiberglass Radome, 1.5:1 Typ VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [6 dBi Omni Antenna 824-960 MHz, N Type Female Fiberglass Radome, 1.5:1 Typ VSWR FM51OM1014](#)

URL: <https://www.fairviewmicrowave.com/6-dbi-omni-antenna-824-960-mhz-n-tyfm-female-1.5-1-typ-vswr-fm51om1014-p.aspx>

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