

5-6 dBi Omni Antenna 2.4-2.5 GHz, 4.9-5.85 GHz, N Type Female Fiberglass Radome, 2.5:1 Max VSWR

The Fairview Microwave brand FM510M1002 is an economical yet high performance dual band omnidirectional antenna designed for operation in the 2.4 GHz and 4.9/5.8 GHz frequency bands. Compact and lightweight, these antennas are ideally suited multipoint applications where wide coverage is desired.

The FM510M1002 antennas feature an integral N-Female bulkhead type connector that can mount through the wall of an equipment enclosure. Also included is a mast mounting kit which consists of a heavy-duty steel bracket and a pair of U-bolts. This kit allows for installations on masts up to 2.0" in diameter. A vented end cap and drain holes in the base help prevent moisture build-up inside the antenna. These features allow the antenna to be mounted in up or down positions.

Configuration

Design	Omni
Gain	5 dBi
Polarization	Vertical
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Short

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2,400		5,850	MHz
Input VSWR			2.5:1	
Impedance		50		Ohms
Input Power			50	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4-2.5	4.9-5.85				GHz
Gain	5	6				dBi
Horiz. Beam Width	360					Degrees
Vert. Beam Width	45					Degrees
Max Input Power	50	50				Watts

Mechanical Specifications

Radome Material: Fiberglass

Size

Length	11.7 in [297.18 mm]
Width	1.3 in [33.02 mm]
Height	1.3 in [33.02 mm]
Mounting Mast Diameter	2 in [50.80 mm]
Weight	0.664 lbs [301.19 g]

Environmental Specifications

Temperature

Operating Range: -40 to +85 deg C



Features:

- High performance in a compact lightweight design
- Durable UV-Stable fiberglass radome with vented end cap and drain holes in base
- All weather operation
- Integral N-Female connector
- Includes mast mounting kit

Applications:

- 2.4/4.9/5.1/5.3/5.4/5.8 GHz Wireless LAN systems
- IEEE 802.11a/b/g/n and 802.11ac compatible
- Homeland Security and Public Safety band
- WiMAX and WiFi applications
- Multipoint and mobile applications

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

Plotted and Other Data

Notes:

5-6 dBi Omni Antenna 2.4-2.5 GHz, 4.9-5.85 GHz, N Type Female Fiberglass Radome, 2.5:1 Max 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: [5-6 dBi Omni Antenna 2.4-2.5 GHz, 4.9-5.85 GHz, N Type Female Fiberglass Radome, 2.5:1 Max VSWR FM51OM1002](#)

URL: <https://www.fairviewmicrowave.com/5-dbi-omni-antenna-2.4-2.5-ghz-4.9-5.85-ghz-n-tyfm-female-2.5-1-max-vswr-fm51om1002-p.aspx>

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