

## 6-6 dBi Omni Antenna 2.4-2.5 GHz, 5.725-5.85 GHz, N Type Female Fiberglass Radome, 1.5:1 Max VSWR

The Fairview Microwave FM510M1004 is a professional high gain dual band omnidirectional base station Wi-Fi antenna designed and optimized for the 2.4 and 5.8GHz frequency. This antenna is ideally suited for multipoint applications where long range and wide coverage is desired.

The FM510M1004 construction features a heavy-duty fiberglass radome for durability and aesthetics. Designed to operate in the harshest of environments, the FM510M1004 far exceeds other omnidirectional antennas. The included mounting system features twin heavy-duty mounting brackets and u-bolts for superior strength.

### Configuration

Design	Omni
Gain	6 to 6 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			1.5:1	
Impedance		50		Ohms
Gain		6		dBi
Downtilt			0	
Input Power			100	Watts

### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4-2.5	5.725-5.85				GHz
Gain	6	6				dBi
Horiz. Beam Width	360	360				Degrees
Vert. Beam Width	19	11				Degrees
VSWR	1.5:1	1.5:1				
Max Input Power	100	100				Watts

### Mechanical Specifications

Radome Material: Fiberglass

#### Size

Radome Diameter	2.04 in [51.82 mm]
Length	32.8 in [833.12 mm]
Width	2.3 in [58.42 mm]
Height	2.3 in [58.42 mm]



### Features:

- Heavy duty industrial grade design
- Fiberglass radome
- All weather operation
- Twin heavy duty steel mounting brackets and u-bolts
- Integral N-Female connector

### Applications:

- 2.4/5.8 GHz IEEE 802.11a/b/g and 802.11ac applications
- 5.8 GHz UNII and ISM applications
- 2.4GHz Wi-Fi applications
- Wireless video systems
- Point-to-multipoint applications

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Mounting Mast Diameter 1.2 to 2.4 in [30.48 to 60.96 mm]  
Weight 2.388 lbs [1.08 kg]

**Environmental Specifications**

**Temperature**  
Operating Range -40 to +85 deg C

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

**Plotted and Other Data**

Notes:

6-6 dBi Omni Antenna 2.4-2.5 GHz, 5.725-5.85 GHz, N Type Female Fiberglass Radome, 1.5:1 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: [6-6 dBi Omni Antenna 2.4-2.5 GHz, 5.725-5.85 GHz, N Type Female Fiberglass Radome, 1.5:1 Max VSWR FM51OM1004](#)

URL: <https://www.fairviewmicrowave.com/6-dbi-omni-antenna-2.4-2.5-ghz-5.725-5.85-ghz-n-tyfm-female-1.5-1-max-vswr-fm51om1004-p.aspx>

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