

## 7 dBi Omni Antenna 617-3,800 MHz N Type Connector

The 5G /LTE outdoor omnidirectional FM510M1040 antenna from Fairview Microwave is a high performance RF component which operates from 617 to 3800 MHz. The FM510M1040 antenna is ideal for 5G, LTE, CDMA, LPWAN/IoT/M2M applications including LoRA, LTE-M, and NB-IOT. The Multi-Band design of the Fairview Microwave FM510M1040 antenna can be used for a wide array of cellular telecommunication wireless applications where wide coverage is desired. Fairview Microwave's FM510M1040 can be used to distribute Cellular signals throughout an outdoor area.

The Type N connectorized FM510M1040 antenna with vertical polarization from Fairview Microwave provides excellent outdoor coverage for all base station applications. The Type N connectorized FM510M1040 antenna from Fairview Microwave excels in large open areas. The mounting bracket and hardware are included for easy installation. Fairview Microwave 5G / LTE outdoor omnidirectional with Type N female purchases will ship the same day. Our FM510M1040 antenna is part of over one million RF, microwave and millimeter wave components in stock and ready for same-day shipment worldwide.

### Configuration

Design	Omni
Gain	6 to 7 dBi
Polarization	Vertical
Connector Type	N Female
Number of Ports	1

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	617		3,800	MHz
Impedance		50		Ohms
Gain		7		dBi
Input Power			50	Watts

### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.617-0.96	1.71-3.8				GHz
Gain	6	7				dBi
Horiz. Beam Width	360	360				Degrees
Vert. Beam Width	43	22				Degrees
VSWR	2:1	2.5:1				

### Mechanical Specifications

Radome Material	Polycarbonate
<b>Size</b>	
Length	19.6 in [497.84 mm]
Width	3.1 in [78.74 mm]
Mounting Mast Diameter	1.97 to 3.54 in [50.04 to 89.92 mm]
Weight	2.2 lbs [997.9 g]



### Features:

- All weather operation
- Includes heavy duty steel mast mounting brackets
- Lightweight polycarbonate radome
- Integral N-Female connector
- Commercial grade design
- 360° Omnidirectional Pattern
- 4 to 7 dBi gain

### Applications:

- Supports low and midband LTE and 5G networks
- Point to Multipoint and Non Line of Sight (NLOS) Applications
- 600, 700, 800, 1800, 1900, 2100, 2600, 3500 and CBRS Cellular Band Operation

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**Environmental Specifications**

**Temperature**

Operating Range	-40 to +70 deg C
Wind Loading	134.21 MPH [215.99 KPH]
Humidity	91

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

**Plotted and Other Data**

Notes:

7 dBi Omni Antenna 617-3,800 MHz N Type Connector 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: [7 dBi Omni Antenna 617-3,800 MHz N Type Connector FM51OM1040](#)

URL: <https://www.fairviewmicrowave.com/antenna-7-dbi-n-female-fm51om1040-p.aspx>

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