

## 8 dBi Omni Antenna 1,710-2,700 MHz N Type Connector

The LTE outdoor omnidirectional FM510M1042 antenna from Fairview Microwave is a high performance RF component which operates from 1710 to 2700 MHz. The FM510M1042 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 FM510M1042 antenna can be used for a wide array of cellular telecommunication wireless applications where wide coverage is desired. Fairview Microwave's FM510M1042 can be used to distribute Cellular signals throughout an outdoor area.

The Type N connectorized FM510M1042 antenna with vertical polarization from Fairview Microwave provides excellent outdoor coverage for all base station applications. The Type N connectorized FM510M1042 antenna from Fairview Microwave excels in large open areas. The mounting bracket and hardware are included for easy installation. Fairview Microwave LTE outdoor omnidirectional with Type N female purchases will ship the same day. Our FM510M1042 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
Polarization	Vertical
Connector Type	N Female
Number of Ports	1

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	1,710		2,700	MHz
Impedance		50		Ohms
Gain		8		dBi
Input Power			50	Watts
VSWR			2.3:1	

### Mechanical Specifications

Radome Material	Fiberglass
<b>Size</b>	
Length	22.6 in [574.04 mm]
Width	1.8 in [45.72 mm]
Mounting Mast Diameter	1.18 to 2.36 in [29.97 to 59.94 mm]
Weight	4.19 lbs [1.9 kg]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +70 deg C
Wind Loading	124.27 MPH [199.99 KPH]
Humidity	91



### Features:

- All weather operation
- Includes heavy duty steel mast mounting brackets
- Lightweight fiberglass radome
- Integral N-Female connector
- Rugged industrial grade design
- 360° Omnidirectional Pattern
- 8 dBi gain

### Applications:

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

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

**Plotted and Other Data**

Notes:

8 dBi Omni Antenna 1,710-2,700 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: [8 dBi Omni Antenna 1,710-2,700 MHz N Type Connector FM510M1042](#)

URL: <https://www.fairviewmicrowave.com/antenna-8-dbi-n-female-fm51om1042-p.aspx>

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