

### 4-4 dBi Omni Antenna 698-960 MHz, 1.71-2.7 GHz, N Type Female ABS Radome, 1.6:1 Typ VSWR

The Fairview Microwave FM510M1020 is a compact omni-directional antenna specifically designed for DAS (Distributed Antenna Systems). This outdoor all weather antenna helps wireless carriers to quickly increase capacity as well as deploy new spectrum in zoning challenged locations. It is ideal for LPWAN/IoT/M2M applications such as LoRA, LTE-M, and NB-IoT. The FM510M1020 combines several different frequency bands to allow multi-user options.

This antenna's construction features a durable UV resistant ABS radome for durability and aesthetics. Its mounting system features a heavy-duty mounting bracket and U-Bolts for superior strength. The bulkhead type connector also allows this antenna to be mounted to panels or bulkheads.

#### Configuration

Design	Omni
Gain	4 to 4 dBi
Polarization	Vertical
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Ground

#### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	698		2,700	MHz
Input VSWR		1.6:1	1.6:1	
Impedance		50		Ohms
Gain	3	4	4	dBi
Input Power			200	Watts

#### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.698-0.96	1.71-2.7				GHz
Gain	4	4				dBi
Horiz. Beam Width	360	360				Degrees
Vert. Beam Width	75	40				Degrees
Max Input Power	200					Watts

#### Mechanical Specifications

Radome Material	ABS
<b>Size</b>	
Radome Diameter	7.3 in [185.42 mm]
Length	7.3 in [185.42 mm]
Width	7.3 in [185.42 mm]
Height	4 in [101.6 mm]
Weight	0.007 lbs [3.18 g]



#### Features:

- Frequency coverage for 700 MHz, 850 MHz, AWS and PCS bands
- All weather operation
- Heavy duty steel mounting bracket
- Integral N-Female connector
- Compact design

#### Applications:

- DAS (Distributed Antenna Systems)
- Cellular networks
- Public safety
- LPWAN, LoRA, LTE-M, NB-IoT, IoT, M2M applications
- 802.11 n networks

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**Environmental Specifications**

**Temperature**

Operating Range -40 to +60 deg C

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

**Plotted and Other Data**

Notes:

4-4 dBi Omni Antenna 698-960 MHz, 1.71-2.7 GHz, N Type Female ABS Radome, 1.6:1 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: [4-4 dBi Omni Antenna 698-960 MHz, 1.71-2.7 GHz, N Type Female ABS Radome, 1.6:1 Typ VSWR FM51OM1020](#)

URL: <https://www.fairviewmicrowave.com/4-dbi-omni-antenna-698-960-mhz-1.71-2.7-ghz-n-tyfm-female-1.6-1-typ-vswr-fm51om1020-p.aspx>

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