

Omni Antenna 3,300-3,800 MHz N Type Connector

The 5G / LTE outdoor omnidirectional FM510M1046 antenna from Fairview Microwave is a high performance RF component which operates from 3300 to 3800 MHz. The FM510M1046 antenna is ideal for 5G, LTE, applications in CBRS band. The Multi-Band design of the Fairview Microwave FM510M1046 antenna can be used for a wide array of cellular telecommunication wireless applications where wide coverage is desired. Fairview Microwave's FM510M1046 can be used to distribute Cellular signals throughout an outdoor area.

The Type N connectorized FM510M1046 antenna with vertical polarization from Fairview Microwave provides excellent outdoor coverage for all base station applications. The Type N connectorized FM510M1046 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 FM510M1046 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
Cable Type	3500
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	3,300		3,800	MHz
Input VSWR		2:1		
Impedance		50		Ohms
Gain		10		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		10		Degrees
Input Power			100	Watts

Mechanical Specifications

Radome Material	Fiberglass
Size	
Length	25.5906 in [650 mm]
Width	0.787402 in [20 mm]
Height	0.787402 in [20 mm]
Mounting Mast Diameter	1.18 to 2.36 in [29.97 to 59.94 mm]
Weight	6.61 lbs [3 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C
Wind Loading	134.216 MPH [216 KPH]



Features:

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

Applications:

- Point to Multipoint and Non Line of Sight (NLOS) Applications
- 10 dBi gain
- 3500 and CBRS Cellular Band Operation

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

Plotted and Other Data

Notes:

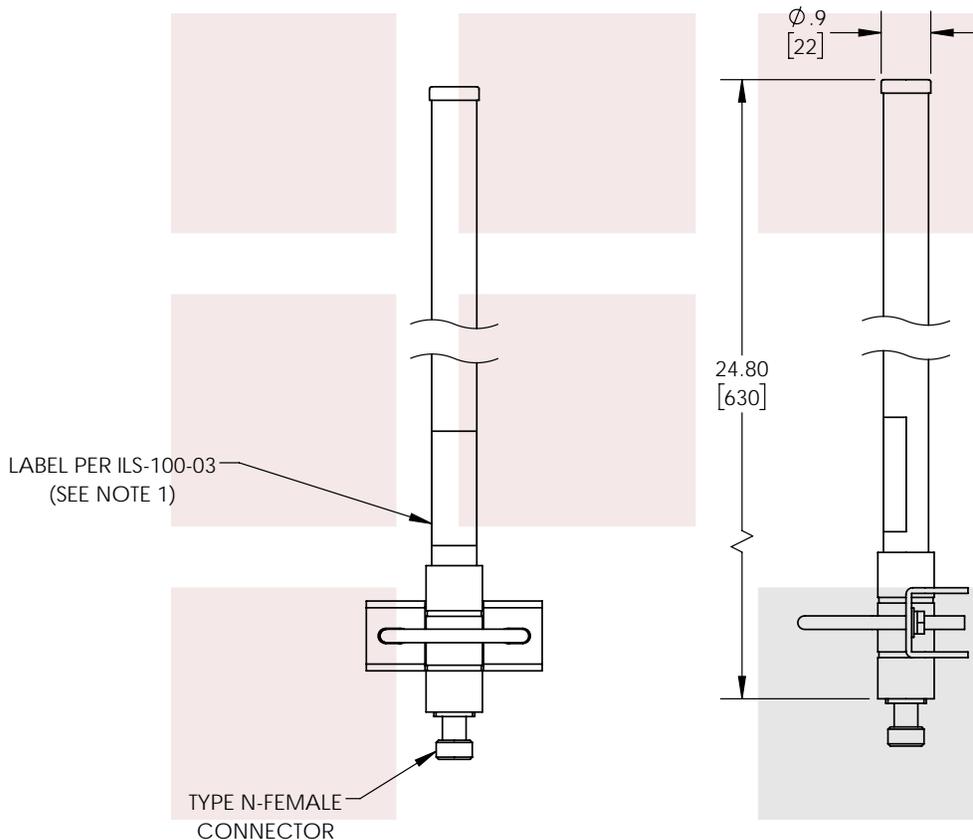
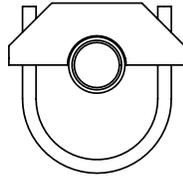
Omni Antenna 3,300-3,800 MHz N Type Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Omni Antenna 3,300-3,800 MHz N Type Connector FM510M1046](#)

URL: <https://www.fairviewmicrowave.com/antenna-0-n-female-fm510m1046-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/25/2021	KHIETPAS



- NOTES:
1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)
LABEL LOCATION FOR REFERENCE ONLY

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<p>Fairview Microwave an INFINIT[®] brand</p>	<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES: CABLE LENGTH (L) TOLERANCES:</p> <table border="0"> <tr> <td>.X = ±.2 [5.08]</td> <td>FRACTIONS</td> <td>L ≤ 12 [305] = +1 [25] / -0</td> </tr> <tr> <td>.XX = ±.02 [.51]</td> <td>± 1/32</td> <td>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</td> </tr> <tr> <td>.XXX = ±.005 [.13]</td> <td>ANGLES ± 1°</td> <td>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</td> </tr> <tr> <td></td> <td></td> <td>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</td> </tr> <tr> <td></td> <td></td> <td>300 [7620] < L = +5%L / -0</td> </tr> </table>		.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0	.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0			120 [3048] < L ≤ 300 [7620] = +6 [152] / -0			300 [7620] < L = +5%L / -0	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p>
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<p>SIZE A</p>	<p>CAGE CODE 3FKR5</p>	<p>DRAWN BY BPUCHASKI</p>	<p>ITEM NO. FM510M1046</p> <p>REV A</p>															

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