

Omni Antenna 2,400-2,500 MHz N Type Connector

The LTE outdoor omnidirectional FM510M1045 antenna from Fairview Microwave is a high performance RF component which operates from 2400 to 2500 MHz. The FM510M1045 antenna is ideal for 4G, LTE, PCS and 2x2 MIMO applications. The Multi-Band design of the Fairview Microwave FM510M1045 antenna can be used for a wide array of cellular telecommunication wireless applications where wide coverage is desired. Fairview Microwave's FM510M1045 can be used to distribute Cellular signals throughout an outdoor area.

The Type N connectorized FM510M1045 antenna with vertical/horizontal polarization from Fairview Microwave provides excellent outdoor coverage for all base station applications. The Type N connectorized FM510M1045 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 two Type N female purchases will ship the same day. Our FM510M1045 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/Horizontal
Cable Type	2400
Connector Type	N Female
Number of Ports	2
Lightning Protection	DC Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2,400		2,500	MHz
Input VSWR		1.5:1		
Impedance		50		Ohms
Gain		12		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		7		Degrees
Input Power			50	Watts

Mechanical Specifications

Radome Material	PVC
Size	
Length	45.66929 in [116 cm]
Width	2.99213 in [76 mm]
Height	2.99213 in [76 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
- PVC radome
- Integral two N-Female connector
- 2x2 MIMO capable
- 360° Omnidirectional Pattern

Applications:

- 2400 Band Operation
- Point to Multipoint and Non Line of Sight (NLOS) Applications
- 12 dBi gain

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

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

Plotted and Other Data

Notes:

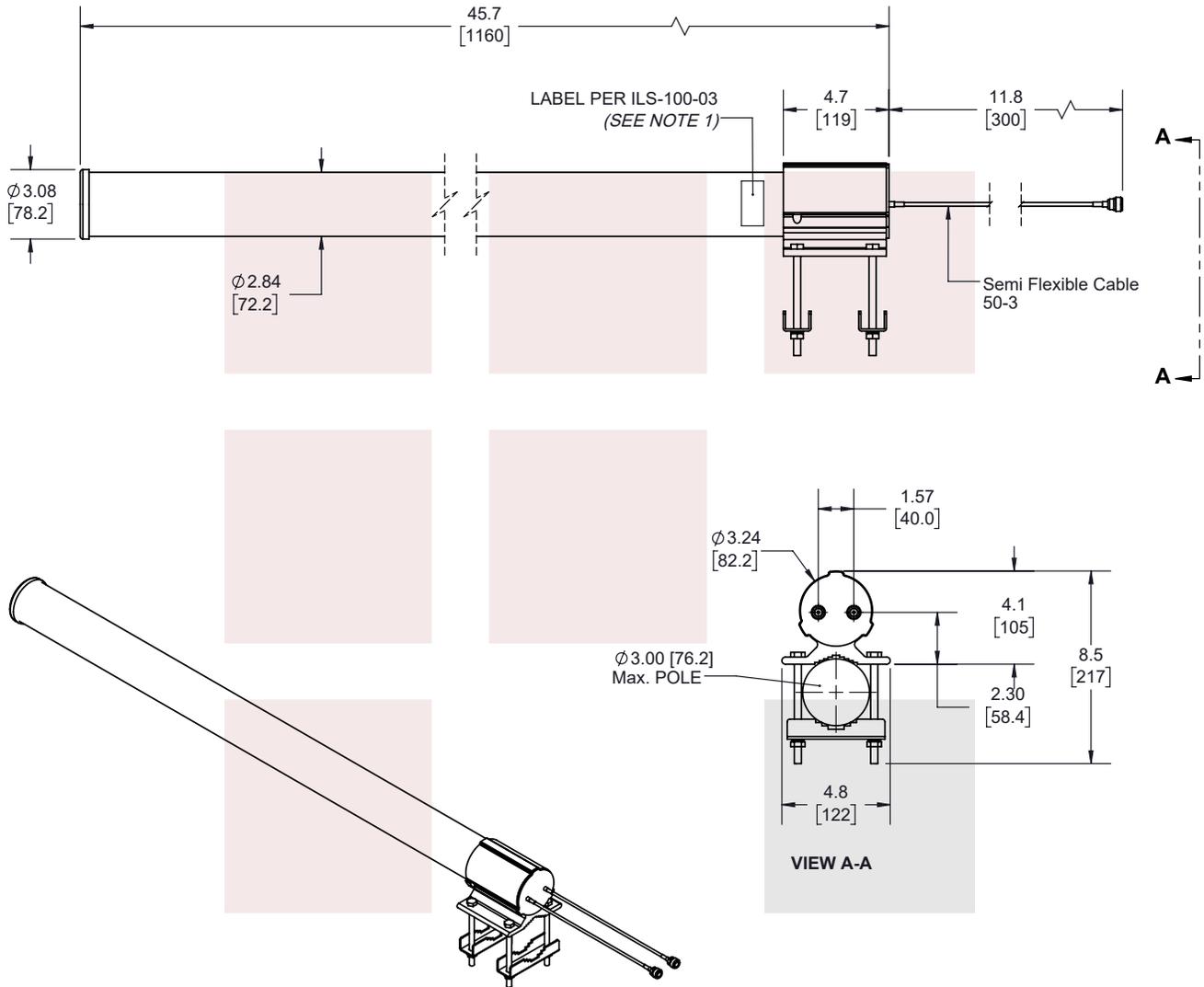
Omni Antenna 2,400-2,500 MHz N Type Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Omni Antenna 2,400-2,500 MHz N Type Connector FM510M1045](#)

URL: <https://www.fairviewmicrowave.com/antenna-0-n-female-fm510m1045-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	2/11/2022	K. HIETPAS



NOTES:

- LABEL PER ILS-100-03. FOR INTERNAL USE ONLY. LABEL LOCATION FOR REFERENCE ONLY.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.



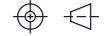
TITLE
Omni Antenna 2,400-2,500 MHz N Type Connector

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.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

THIRD-ANGLE PROJECTION



THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.

SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FM510M1045	REV A
-----------	--------------------	--------------------	------------------------	----------

T-Rev.D