

3 dBi Omni Antenna 824-960 MHz, N Type Female Fiberglass Radome, 1.5:1 Typ VSWR

The Fairview Microwave FM510M1013 is a high performance omnidirectional antenna designed for the 800 MHz / 900 MHz ISM band. It is ideally suited for multipoint, Non Line of Sight (NLOS) and mobile applications where high gain and wide coverage is desired. Typical applications include 900 MHz Wireless LAN, SCADA, Wireless Video Links, LPWAN/IoT/M2M, and 800 MHz as well as 900 MHz Cellular band applications.

This antenna features an integral N-Female bulkhead type connector that mounts through the wall of an equipment enclosure. Included with the FM510M1013 is a mast mounting kit. Consisting of a heavy-duty steel bracket and a pair of U-bolts, this kit allows installation on masts up to 2.0" in diameter.

This omni antenna's construction features a rugged 1.3" diameter white high intensity fiberglass radome for durability and aesthetics. It is designed for all weather operation.

Configuration

Design	Omni
Gain	3
Polarization	Vertical
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	824		960	MHz
Input VSWR		1.5:1		
Impedance		50		Ohms
Gain		3		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		70		Degrees
Input Power			100	Watts

Mechanical Specifications

Radome Material	Fiberglass
Size	
Length	12.3 in [312.42 mm]
Width	1.5 in [38.1 mm]
Height	1.5 in [38.1 mm]
Mounting Mast Diameter	1.2 to 2 in [30.48 to 50.80 mm]
Weight	0.812 lbs [368.32 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Wind Loading	130 MPH [209.21 KPH]



Features:

- Superior all weather performance
- Rugged industrial grade design
- Lightweight fiberglass radome
- Integral N-Female connector
- Heavy-duty steel mounting bracket

Applications:

- 900 MHz ISM band and Wireless LAN systems
- Multipoint applications
- Non Line of Sight (NLOS)
- LPWAN, LoRA, IoT, M2M applications
- GSM, SCADA applications

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

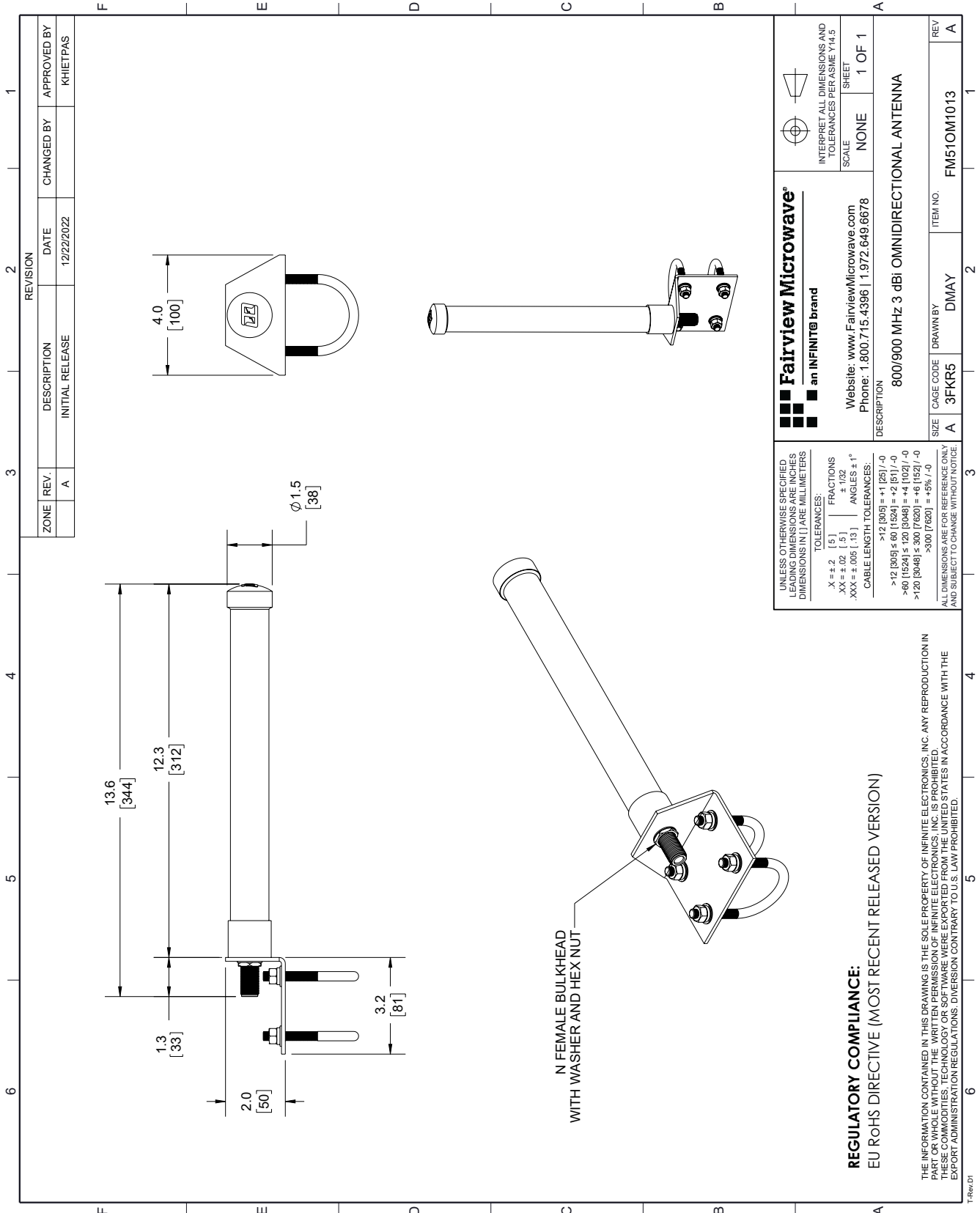
Notes:

3 dBi Omni Antenna 824-960 MHz, N Type Female Fiberglass Radome, 1.5:1 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: [3 dBi Omni Antenna 824-960 MHz, N Type Female Fiberglass Radome, 1.5:1 Typ VSWR FM510M1013](#)

URL: <https://www.fairviewmicrowave.com/3-dbi-omni-antenna-824-960-mhz-n-tyfm-female-1.5-1-typ-vswr-fm510m1013-p.aspx>

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