

6 dBi Omni Antenna 900-928 MHz, N Type Female Fiberglass Radome, 1.5:1 Typ VSWR

The Fairview Microwave FM510M1015 is a high performance omnidirectional antenna designed for the 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 900MHz Wireless LAN, SCADA, Wireless Video Links, LPWAN/IoT/M2M, and 900MHz Cellular band applications.

This antenna features an integral N-Female type connector that mounts through the wall of an equipment enclosure. Included with the FM510M1015 is a dual u-bolt 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 1.58" diameter fiberglass radome for durability, aesthetics and long service life. It is designed for all weather operation.

Configuration

Design	Omni
Gain	6
Polarization	Vertical
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	900		928	MHz
Input VSWR		1.5:1	1.5:1	
Impedance		50		Ohms
Gain		6		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		19		Degrees
Input Power			50	Watts

Mechanical Specifications

Radome Material	Fiberglass
Size	
Length	40 in [101.6 cm]
Width	1.7 in [43.18 mm]
Height	1.7 in [43.18 mm]
Weight	1.522 lbs [690.37 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C
Wind Loading	130 MPH [209.21 KPH]



Features:

- Rugged industrial grade design
- Lightweight fiberglass radome
- All weather operation
- Integral N-Female connector
- Includes heavy duty steel mast mounting brackets

Applications:

- 900 MHz ISM band
- LPWAN, LoRA, IoT, M2M applications
- GSM, SCADA applications
- 900 MHz cellular band
- Point to multi-point and Non Line Of Sight (NLOS) applications

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

Plotted and Other Data

Notes:

6 dBi Omni Antenna 900-928 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: [6 dBi Omni Antenna 900-928 MHz, N Type Female Fiberglass Radome, 1.5:1 Typ VSWR FM510M1015](#)

URL: <https://www.fairviewmicrowave.com/6-dbi-omni-antenna-900-928-mhz-n-tyfm-female-1.5-1-typ-vswr-fm510m1015-p.aspx>

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