

## 144-430 MHz, 5.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, TNC-Male Connector

The FMANMOB1007-TM from Fairview Microwave is an omnidirectional antenna with a 5.5 dBi gain that transmits high-power signals and faster speed. This in-building antenna comes with a magnetic NMO mount specifically designed for high-performance applications. Our high-quality omni antenna is available in black color and can be procured with no order limit. This vertically polarized antenna has a frequency range of 144 to 430 MHz, which is ideal for indoor low-profile, in-building, and mobile applications.

The NMO-type magnetic mount on Fairview Microwave's FMANMOB1007-TM omnidirectional antenna makes it an ideal solution when the portability of the antenna is needed. This NMO antenna mount is constructed with a heavy-duty magnet to ensure secure mounting. The magnetic base allows a temporary plug-and-play installation. No drilling is required for the installation of this antenna mount, making it easy to fine-tune the antenna location. This magnetic mount has a TNC male connector and can be used for WLAN, Wi-Fi, public safety, and mobile RF applications.

Fairview Microwave has one of the largest in-stock selections of omnidirectional in-building antennas with the same-day shipment. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal vertically polarized antenna with a magnetic NMO mount for your requirements.

### Configuration

Design	Omni
Gain	5.5
Polarization	Vertical
Connector Type	TNC Male
Number of Ports	1

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	144		430	MHz
Input VSWR			1.5:1	
Gain		5.5		dBi
Input Power			50	Watts

### Mechanical Specifications

Radome Material	Stainless Steel
<b>Size</b>	
Length	36.24 in [920.5 mm]
Width	3 in [76.2 mm]
Height	3 in [76.2 mm]
Weight	1.35 lbs [612.35 g]

### Environmental Specifications



### Features:

- Outdoor Rated Omni Directional Antenna
- 5.5 dBi Gain
- Easy to install magnetic mount offering temporary plug and play installation
- NMO Magnetic Mount, Black ABS Radome
- 1.5:1 VSWR Max
- 10 Foot, Black Low-Loss LMR195 Equivalent Cable
- TNC-Male Connector

### Applications:

- Offroad/Overland Vehicles
- Mining/Industrial
- Heavy Equipment
- Commercial Trucking
- Fleet Management
- Farm Equipment

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

**Plotted and Other Data**

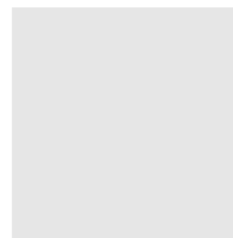
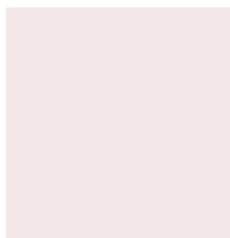
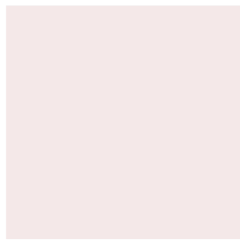
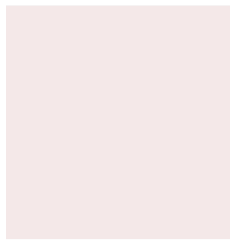
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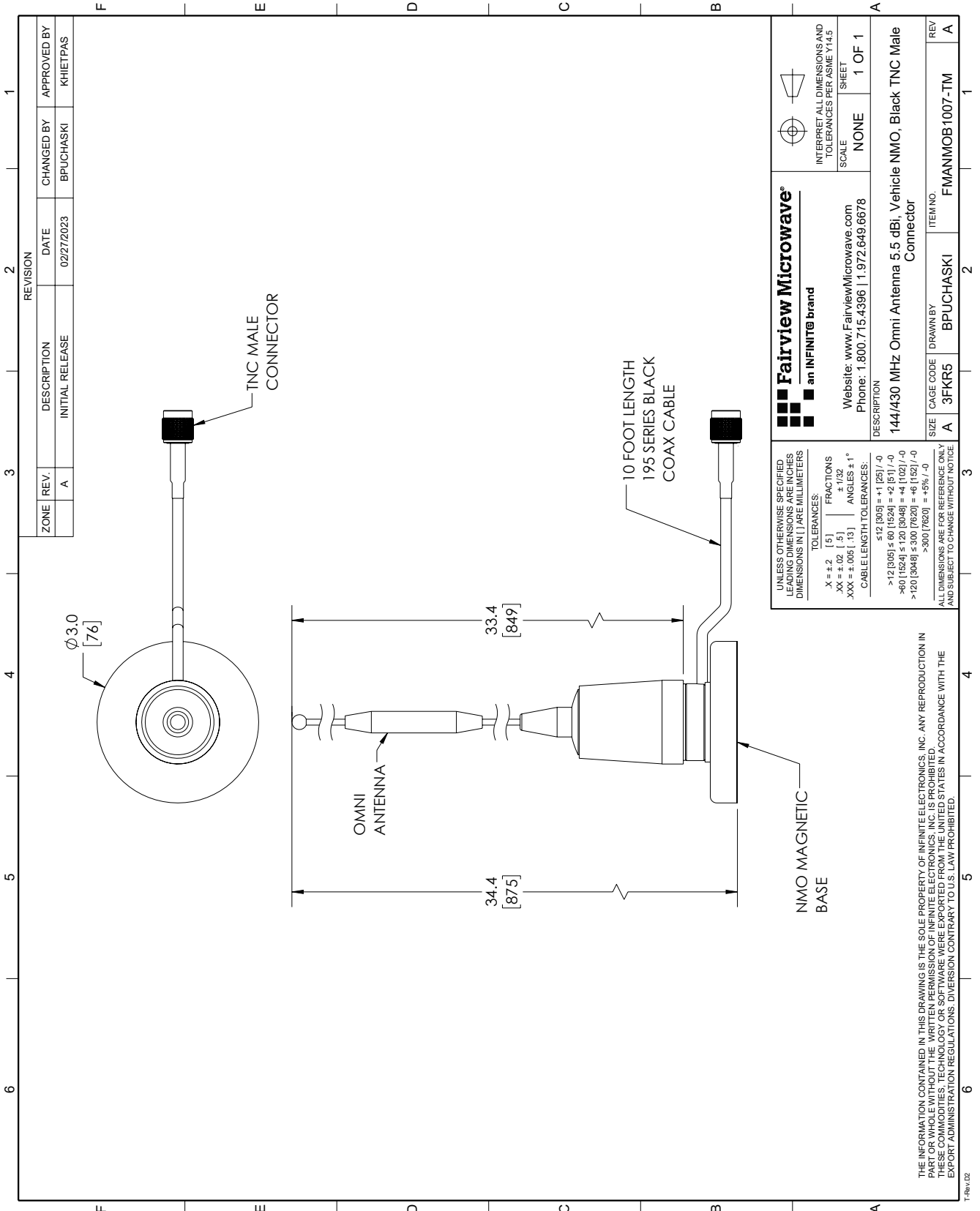
144-430 MHz, 5.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, TNC-Male Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [144-430 MHz, 5.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, TNC-Male Connector FMANMOB1007-TM](#)

URL: <https://www.fairviewmicrowave.com/144-430-mhz-5.5-dbi-gain-omni-directional-antenna-with-magnetic-nmo-mount-tnc-male-connector-fmanmob1007-tm-p.aspx>

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REVISION		DATE	CHANGED BY	APPROVED BY
ZONE	REV.	INITIAL RELEASE		
	A	02/27/2023	BPUCHASKI	KHIETPAS

<b>Fairview Microwave<sup>®</sup></b> an INFINIT <sup>®</sup> brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678			
DESCRIPTION 144/430 MHz Omni Antenna 5.5 dBi, Vehicle NMO, Black TNC Male Connector			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	BPUCHASKI	FMANMOB1007-TM
REV			A

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]      FRACTIONS ± 1/32  
 .XX = ±.02 [5]      ANGLES ± 1°  
 .XXX = ±.005 [13]

CABLE LENGTH TOLERANCES:  
 ≤ 12 [305] = ± 1 [25] / -0  
 > 12 [305] ≤ 60 [1524] = ± 2 [51] / -0  
 > 60 [1524] ≤ 120 [3048] = ± 4 [102] / -0  
 > 120 [3048] ≤ 300 [7620] = ± 6 [152] / -0  
 > 300 [7620] = ± 5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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