

136-174 MHz, 3.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, N-Male Connector

Description

The FMANMOB1008-NM from Fairview Microwave is an omnidirectional antenna with a 3.5 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 136 to 174 MHz, which is ideal for indoor low-profile, in-building, and mobile applications.

The NMO-type magnetic mount on Fairview Microwave's FMANMOB1008-NM 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 an N-type 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	N Male
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range (Tunable)	136		174	MHz
Operational Bandwidth		5		MHz
Input VSWR			1.5:1	
Gain		5.5		dBi
Input Power			50	Watts



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
- N-Male Connector
- Tunable Frequency

Applications:

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

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CUTTING CHART

Frequency (MHz)	136	138	140	142	144
L (mm)	1250	1191	1169	1147	1121

Frequency (MHz)	146	148	150	152	154
L (mm)	1099	1074	1041	1019	997

Frequency (MHz)	156	158	160	162	164
L (mm)	975	956	937	915	905

Frequency (MHz)	166	168	170	172	174
L (mm)	886	873	848	829	823

Mechanical Specifications

Radome Material

Stainless Steel

Size

Length

54.74 in [139.04 cm]

Width

3 in [76.2 mm]

Height

3 in [76.2 mm]

Weight

1.46 lbs [662.24 g]

Environmental Specifications

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

Plotted and Other Data

Notes:

1: Loosen Screw, Sperate Whip and Base.

2: Find whip length of correct frequency according to cutting chart.

3: Measure the length of the steel whip and cut it from bottom side without cap.

4: Re-fix the steel whip and the base with screws.

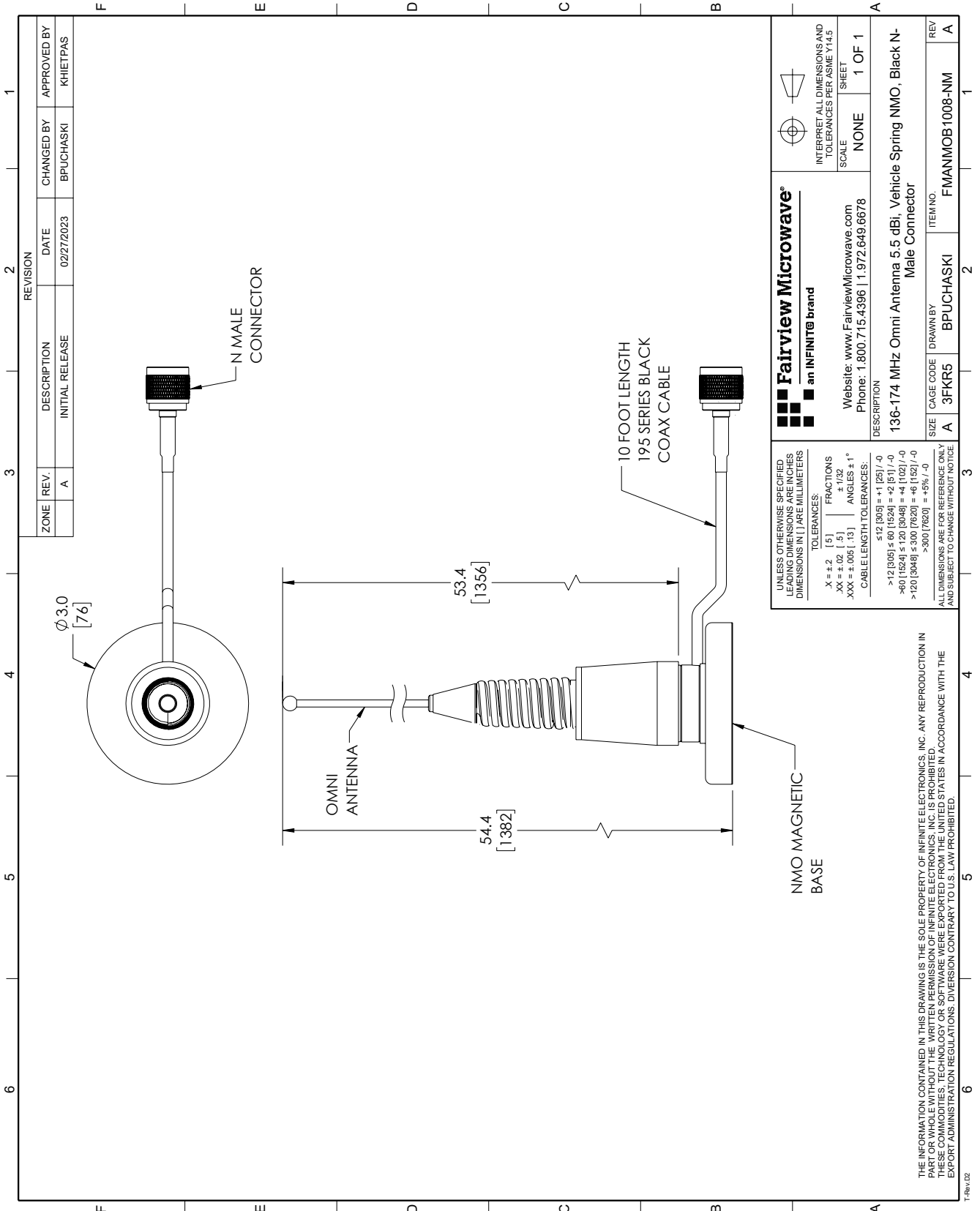
136-174 MHz, 3.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, N-Male Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [136-174 MHz, 3.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, N-Male Connector FMANMOB1008-NM](#)

URL: <https://www.fairviewmicrowave.com/136-174-mhz-3.5-dbi-gain-omni-directional-antenna-with-magnetic-nmo-mount-n-male-connector-fmanmob1008-nm-p.aspx>

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

<p>Fairview Microwave an INFINIT[®] brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>	<p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>		
	<p>DESCRIPTION: 136-174 MHz Omni Antenna 5.5 dBi, Vehicle Spring NMO, Black N-Male Connector</p>			
<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES, DIMENSIONS IN PARENTHESISES ARE IN MILLIMETERS.</p> <p>TOLERANCES: .X = ±.2 [5] FRACTIONS ± 1/32 .XX = ±.02 [5] ANGLES ± 1° .XXX = ±.005 [13]</p> <p>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</p>	<p>SIZE: A</p>	<p>CAGE CODE: 3FKR5</p>	<p>DRAWN BY: BPUCHASKI</p>	<p>ITEM NO.: FMANMOB1008-NM</p>
<p>ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.</p>	<p>REV: A</p>	<p>REV: A</p>	<p>REV: A</p>	

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