

136 to 174 MHz Omni Antenna 5.5 dBi Gain, Spring NMO Connector, Stainless Steel

Description

Fairview Microwave’s FMANOM1086 is a vertical polarized antenna that ships same day from our ISO 9001:2015 certified facility. This omni directional antenna has NMO male connectors. The FMANOM1086 is a single band antenna operating from 136 to 174 MHz with 5.5 dBi gain.

Fairview Microwave’s antenna with 136 to 174 MHz frequency range has a maximum input VSWR of 1.5:1. The FMANOM1086 antenna is made of stainless steel, an overall length of 53.54 in, width of 2 in, and weighs 0.66 lbs.

Use our on-line ordering system to purchase your FMANOM1086 antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Gain	5.5
Polarization	Vertical
Connector Type	NMO

Electrical Specifications

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



Features:

- Vertically Polarized
- 5.5 dBi Gain
- NMO Connector
- Stainless Steel
- 1.5:1 VSWR Max
- 50 Watt Max Input Power
- 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

53.54 in [135.99 cm]

Width

2 in [50.8 mm]

Height

2 in [50.8 mm]

Weight

0.66 lbs [299.37 g]

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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.

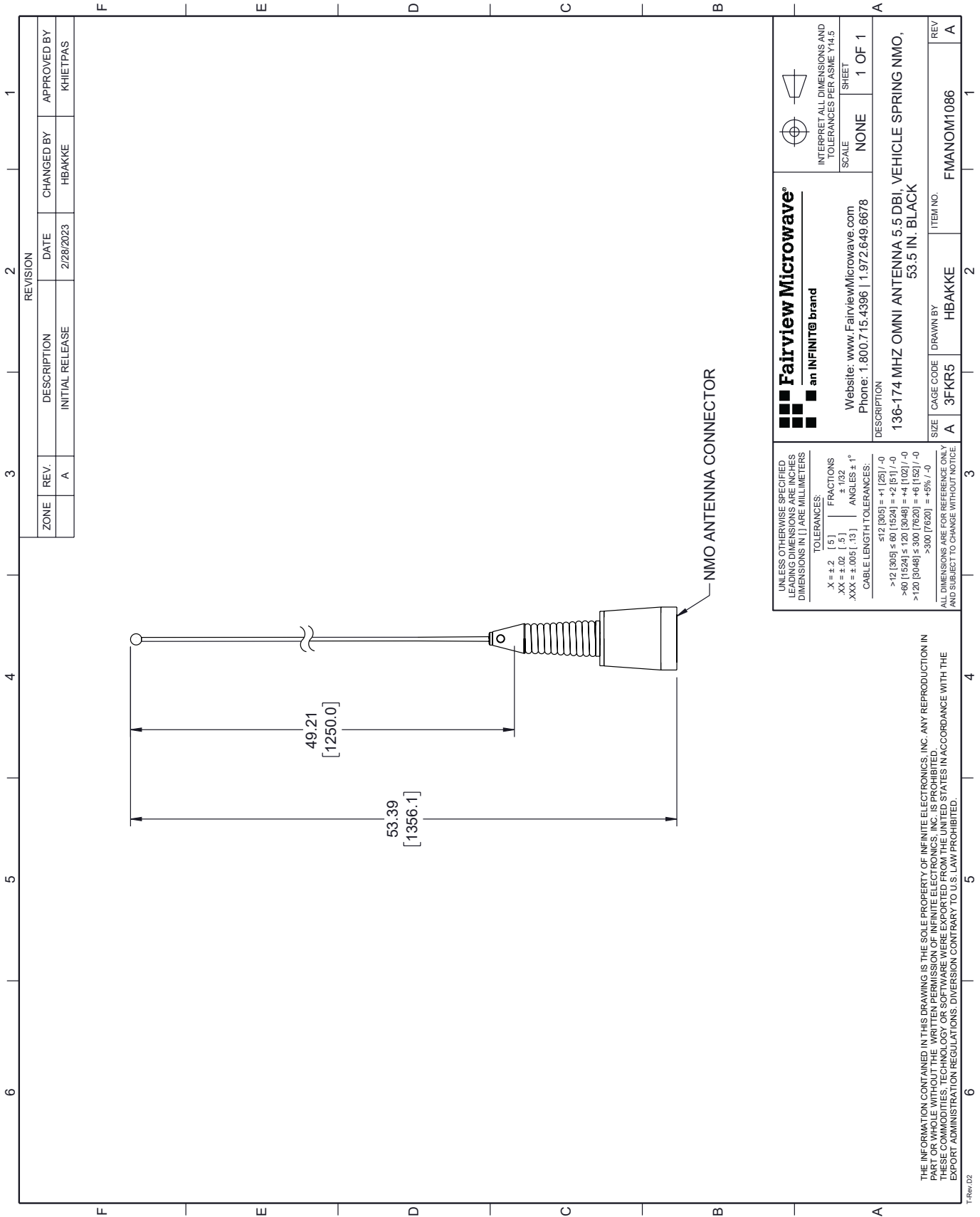
4: Re-fix the steel whip and the base with screws.

136 to 174 MHz Omni Antenna 5.5 dBi Gain, Spring NMO Connector, Stainless Steel 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 to 174 MHz Omni Antenna 5.5 dBi Gain, Spring NMO Connector, Stainless Steel FMANOM1086](#)

URL: <https://www.fairviewmicrowave.com/136-to-174-mhz-omni-antenna-5.5-dbi-gain-spring-nmo-connector-stainless-steel-reflector-fmanom1086-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.



ZONE		REV.		DESCRIPTION		DATE		CHANGED BY		APPROVED BY	
	A			INITIAL RELEASE		2/28/2023		HBAKKE		KHIETPAS	

REVISION	
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<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 SHEET: 1 OF 1</p>	
<p>DESCRIPTION: 136-174 MHZ OMNI ANTENNA 5.5 DBI, VEHICLE SPRING NMO, 53.5 IN. BLACK</p>			
SIZE: A	CAGE CODE: 3FKR5	DRAWN BY: HBAKKE	ITEM NO.: FMANOM1086
REV: A			

<p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>.X = ±.2 [.5] FRACTIONS .XX = ±.02 [.5] ±.132 .XXX = ±.005 [.13] ANGLES ± 1°</p> <p>CABLE LENGTH TOLERANCES:</p> <p>≤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>ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE</p>
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