

136 to 940 MHz Omni Antenna 2.5 dBi Gain, NMO Connector, Stainless Steel

Description

Fairview Microwave’s FMANOM1082 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 FMANOM1082 is a single band antenna operating from 136 to 940 MHz with 2.5 dBi gain.

Fairview Microwave’s antenna with 136 to 940 MHz frequency range has a maximum input VSWR of 1.5:1. The FMANOM1082 antenna is made of stainless steel, an overall length of 19.29 in, width of 2 in, and weighs 0.44 lbs.

Use our on-line ordering system to purchase your FMANOM1082 antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Gain	2.5
Polarization	Vertical
Connector Type	NMO

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range (Tunable)	136		940	MHz
Operational Bandwidth		5		MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		2.5		dBi
Input Power			50	Watts



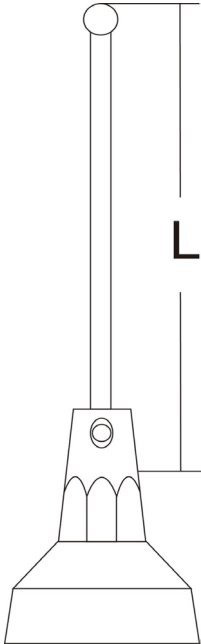
Features:

- Vertically Polarized
- 2.5 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

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



Frequency(MHz)	136	138	142	146	150	154	158	162	166
Length(mm)	521	490	476	458	447	434	423	408	395
Frequency(MHz)	170	174	200	210	220	230	240	250	260
Length(mm)	390	383	334	315	297	285	269	259	247
Frequency(MHz)	270	280	290	300	310	320	330	340	350
Length(mm)	238	227	219	208	203	195	185	180	174
Frequency(MHz)	360	370	380	390	400	410	420	430	440
Length(mm)	170	165	160	156	150	148	145	139	136
Frequency(MHz)	450	460	470	480	490	500	510	520	540
Length(mm)	133	128	125	120	115	112	108	107	105
Frequency(MHz)	570	600	630	680	690	720	750	780	800
Length(mm)	101	98	92	89	87	82	77	74	71
Frequency(MHz)	810	820	830	840	850	860	870	880	890
Length(mm)	68	66	65	64	62	61	60	59	58
Frequency(MHz)	900	910	920	930	940				
Length(mm)	57	56	55	54	53				

Mechanical Specifications

Radome Material

Stainless Steel

Size

Length

19.29 in [489.97 mm]

Width

2 in [50.8 mm]

Height

2 in [50.8 mm]

Weight

0.44 lbs [199.58 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.

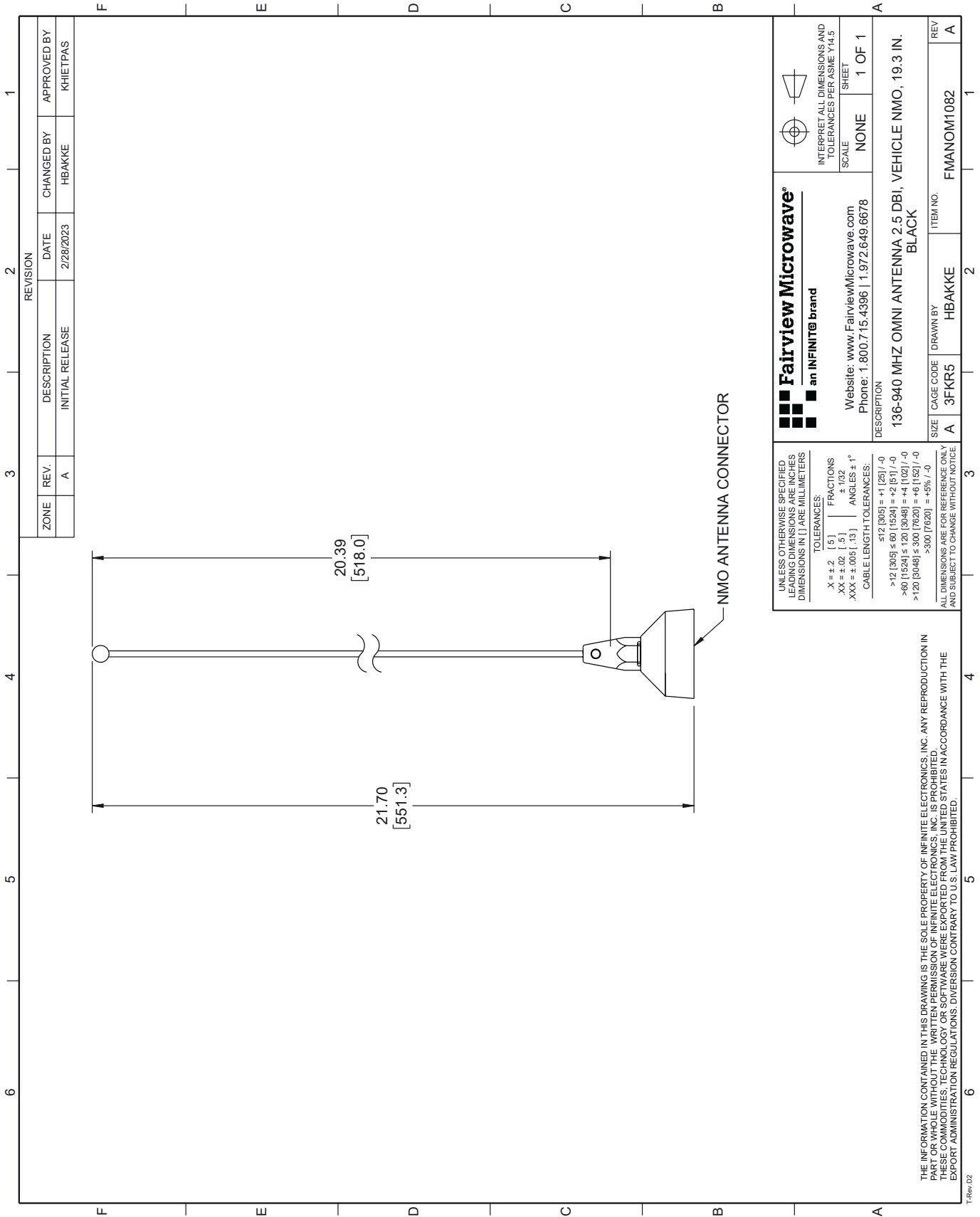
136 to 940 MHz Omni Antenna 2.5 dBi Gain, NMO Connector, Stainless Steel from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [136 to 940 MHz Omni Antenna 2.5 dBi Gain, NMO Connector, Stainless Steel FMANOM1082](#)

URL: <https://www.fairviewmicrowave.com/136-to-940-mhz-omni-antenna-2.5-dbi-gain-nmo-connector-stainless-steel-reflector-fmanom1082-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.





REVISION		DATE	CHANGED BY	APPROVED BY
ZONE	REV.	DESCRIPTION	INITIAL RELEASE	
	A		HBAKKE	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: 136-940 MHZ OMNI ANTENNA 2.5 DBI, VEHICLE NMO, 19.3 IN. BLACK</p>				
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	HBAKKE	FMANOM1082	A

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:

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

CABLE LENGTH TOLERANCES:

≤ 12 [305]	± .125	/ -0
> 12 [305]	± .60 [1524]	= +2 [51] / -0
> 60 [1524]	± 1.20 [3048]	= +4 [102] / -0
> 120 [3048]	± 3.00 [7620]	= +6 [152] / -0
> 300 [7620]	± 6.00 [1524]	= +6% / -0

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

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.