

144, 430 MHz Omni Antenna 4.5 dBi Gain, NMO Connector, Black ABS Radome

Fairview Microwave's FMANOM1081 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 FMANOM1081 is a dual band antenna operating from 144 to 430 MHz with 4.5 dBi gain.

Fairview Microwave's antenna with 144 to 430 MHz frequency range has a maximum input VSWR of 1.5:1. The FMANOM1081 antenna has a black radome made of ABS an overall length of 3.54 in, width of 1.42 in, and weighs 1 lbs.

Use our on-line ordering system to purchase your FMANOM1081 antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Gain	4.5 to 4.5 dBi
Polarization	Vertical
Connector Type	NMO

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	143		432	MHz
Impedance		50		Ohms
Gain		4.5		dBi
Input Power			100	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.143-0.145	0.428-0.432				GHz
Gain	4.5	4.5				dBi
VSWR	2:1	2:1				
Max Input Power	100	100				Watts



Features:

- Vertically Polarized
- 4.5 dBi Gain
- NMO Connector
- Black ABS Radome
- 1.5:1 VSWR Max
- 30 Watt Max Input Power

Applications:

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

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Mechanical Specifications

Size

Length	3.54 in [89.92 mm]
Width	1.42 in [36.07 mm]
Height	1.42 in [36.07 mm]
Weight	1 lbs [453.59 g]

Environmental Specifications

Temperature

Operating Range	-40 to +80 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

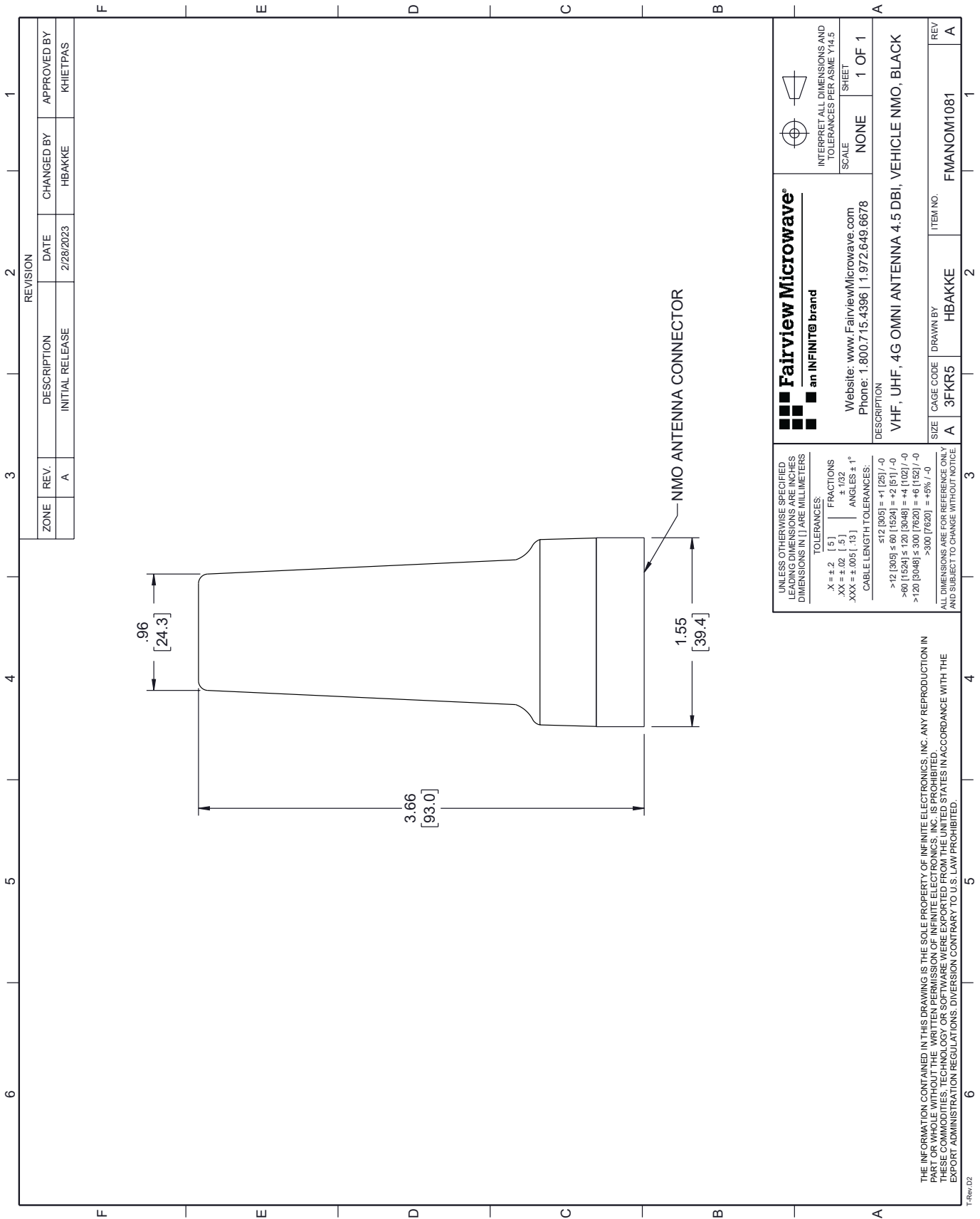
Notes:

144, 430 MHz Omni Antenna 4.5 dBi Gain, NMO Connector, Black ABS Radome 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 Omni Antenna 4.5 dBi Gain, NMO Connector, Black ABS Radome FMANOM1081](#)

URL: <https://www.fairviewmicrowave.com/144-430-mhz-omni-antenna-4.5-dbi-gain-nmo-connector-black-abs-radome-fmanom1081-p.aspx>

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

REVISION	
1	

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

TOLERANCES:
 .X = ±.2 [5] FRACTIONS ±.132
 .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

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

DESCRIPTION: VHF, UHF, 4G OMNI ANTENNA 4.5 DBI, VEHICLE NMO, BLACK

SIZE: A CAGE CODE: 3FKR5 DRAWN BY: HBAKKE ITEM NO.: FMANOM1081 REV: A

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