

136-174 MHz Telescopic Antenna, 2.5 dBi gain, TNC Male Connector, Vertical Polarization

Fairview Microwave's FMANRBD1031 is a vertical polarized antenna that ships same day from our ISO 9001:2015 certified facility. This directional antenna has TNC male connector. The FMANRBD1031 is a single band antenna operating from 136 to 174 MHz with 2.5 dBi gain.

Fairview Microwave's antenna with 136 to 174 MHz frequency range has a maximum input VSWR of 1.5:1. The FMANRBD1031 antenna has a silver colored radome, an overall length of 17.2 in, width of 0.500 in, and weighs 0.22 lbs.

Use our on-line ordering system to purchase your FMANRBD1031 antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Design	Rubber Duck
Gain	2.5
Polarization	Vertical
Connector Type	TNC Male

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	136		174	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		2.5		dBi
Input Power			50	Watts

Mechanical Specifications

Radome Material	Silver
Size	
Length	6.69 in [169.93 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	1.98 lbs [898.11 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C

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

Plotted and Other Data

Notes:



Features:

- 136 MHz to 174 MHz, 2.5 dBi Gain
- TNC-Male connector
- Telescopic radiator
- Plug and play
- 50W power handling
- VSWR < 1.5:1
- Vertical polarization
- Black

Applications:

- PtP or PtMP applications
- Trunking for two-way radio comms
- VHF applications
- Public Safety / Emergency services
- Marine / Rail road communications
- P-25 applications exclusively supported
- Land mobile radio (LMR)
- Fixed and mobile services

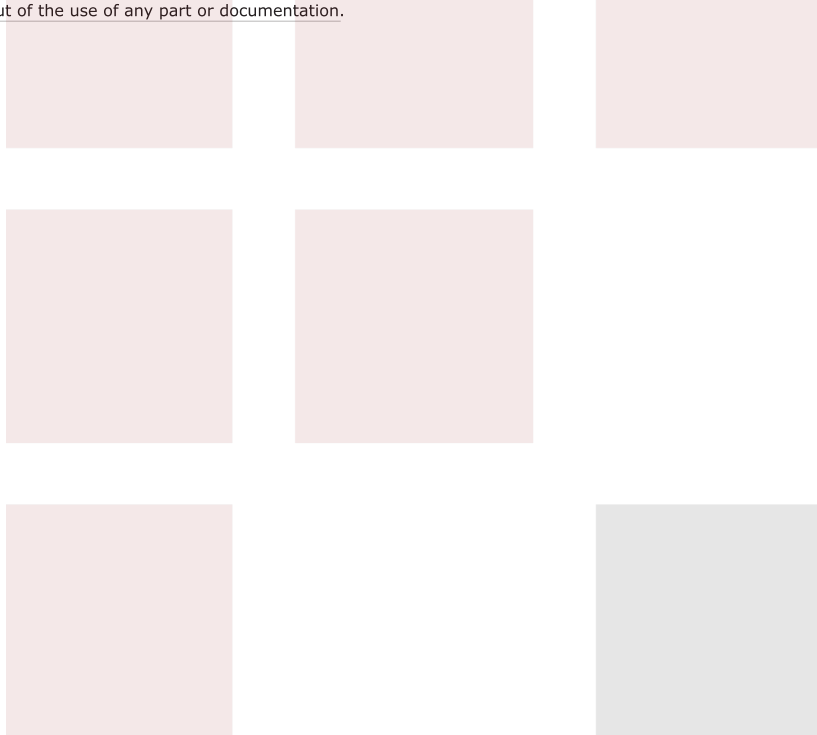
Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

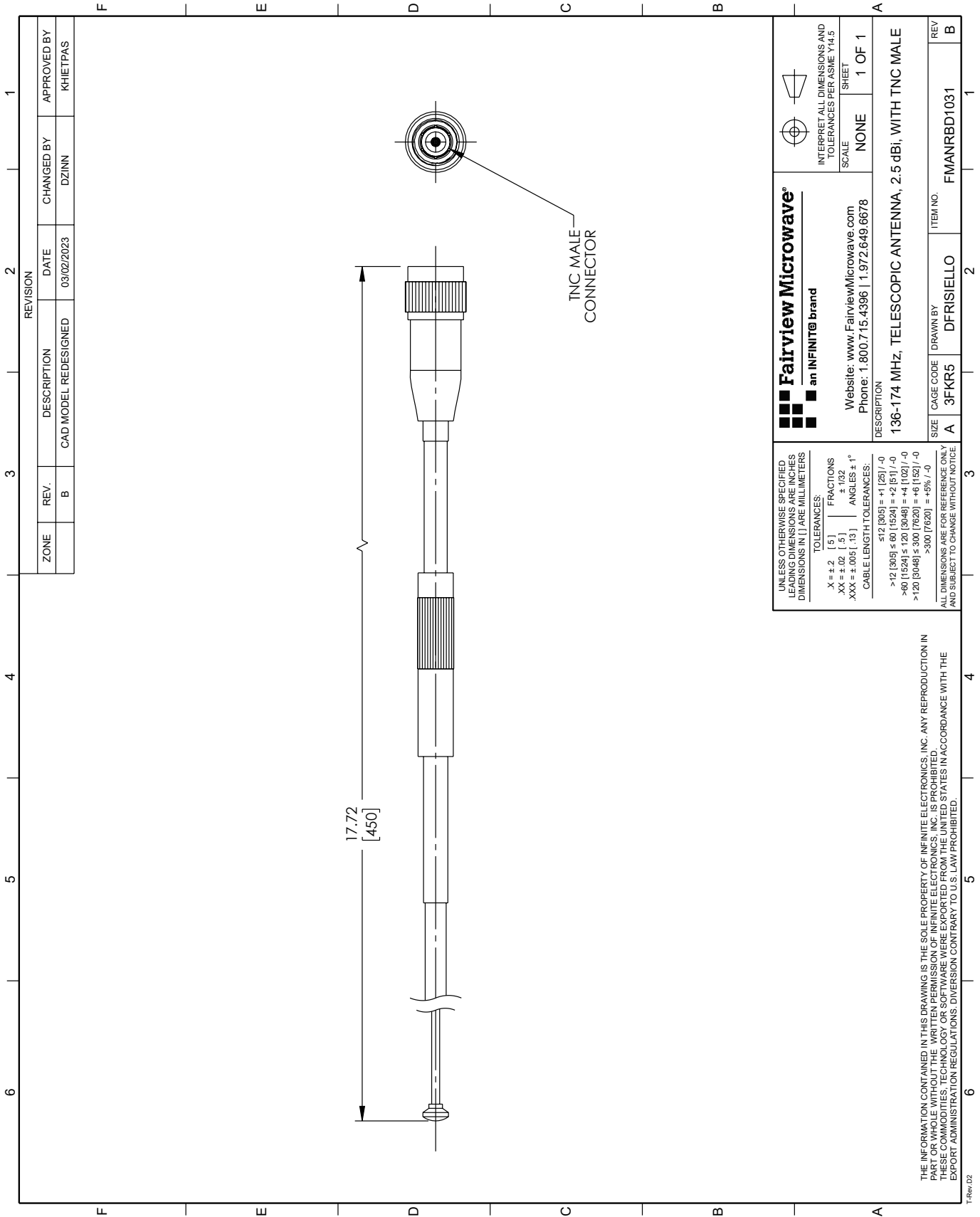
136-174 MHz Telescopic Antenna, 2.5 dBi gain, TNC Male Connector, Vertical Polarization from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [136-174 MHz Telescopic Antenna, 2.5 dBi gain, TNC Male Connector, Vertical Polarization FMANRBD1031](#)

URL: <https://www.fairviewmicrowave.com/2.5-dbi-rubber-duck-antenna-136-174-mhz-tnc-connector-fmanrbd1031-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	DATE	APPROVED BY
	B	CAD MODEL REDESIGNED	03/02/2023	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 SCALE: NONE SHEET: 1 OF 1</p>
<p>DESCRIPTION 136-174 MHz, TELESCOPIC ANTENNA, 2.5 dBI, WITH TNC MALE</p>		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	FMANRBD1031
DRAWN BY		REV
DFRISIELLO		B

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

TOLERANCES:
 .X = ± .2 [.5] FRACTIONS
 .XX = ± .02 [.5] ± .132
 .XXX = ± .005 [.13] ANGLES ± 1°

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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