

## 400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 Connector, Vertical Polarization

Fairview Microwave's FMANRBD1018 is a vertical polarized antenna that ships same day from our ISO 9001:2015 certified facility. This directional antenna has MTH800 connector. The FMANRBD1018 is a dual band antenna operating from 400 to 470 and 1572 to 1578 MHz with 1.8 dBi gain.

Fairview Microwave's antenna with 380 to 430 MHz frequency range has a maximum input VSWR of 1.5:1. The FMANRBD1018 antenna has a black radome made of TPE, an overall length of 3.03 in, width of 0.500 in, and weighs 0.022 lbs.

Use our on-line ordering system to purchase your FMANRBD1018 antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

### Configuration

Design	Rubber Duck
Gain	1.8 dBi
Polarization	Vertical
Connector Type	MTH800

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	400		1,578	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain	1.8		2	dBi
Input Power			50	Watts

### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.4-0.47	1.572-1.578				GHz
Gain	1.8	2				dBi
VSWR	1.5:1	2:1				



### Features:

- 400 MHz to 470 MHz, 1.8 dBi Gain
- Moto connector
- Heliflex whip antenna
- Plug and play
- 50W power handling
- VSWR < 1.5:1
- Vertical polarization
- Black

### Applications:

- PtP or PtMP applications
- Trunking for two-way radio comms
- UHF applications
- Public Safety / Emergency services
- Tetra and P-25 applications exclusively supported
- Land and Private mobile radio (LMR) (PMR)
- Fixed and mobile services
- GPS

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## Mechanical Specifications

Radome Material	TPE
<b>Size</b>	
Length	3.03 in [76.96 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.02 lbs [9.07 g]

## Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +80 deg C

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

## Plotted and Other Data

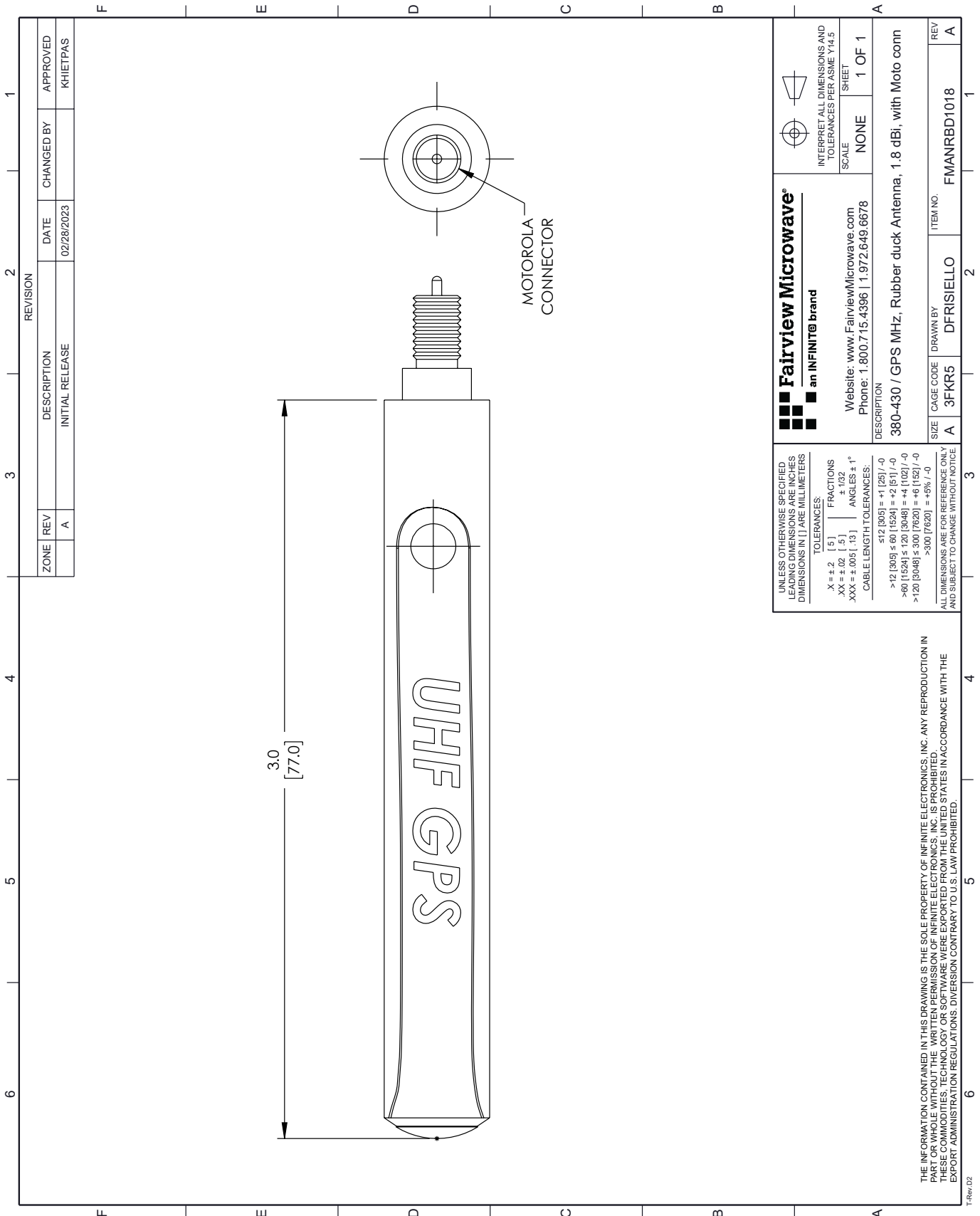
Notes:

400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 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: [400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 Connector, Vertical Polarization FMANRBD1018](#)

URL: <https://www.fairviewmicrowave.com/1.8-dbi-rubber-duck-antenna-400-470-1572-1578-gps-mhz-mth800-connector-fmanrbd1018-p.aspx>

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ZONE		REVISION		APPROVED	
REV	DESCRIPTION	DATE	CHANGED BY	DATE	APPROVED
A	INITIAL RELEASE	02/28/2023			KHIETPAS

<p><b>Fairview Microwave®</b> an INFINITE® brand</p> <p>Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> 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: 380-430 / GPS MHz, Rubber duck Antenna, 1.8 dBi, with Moto conn</p>			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	DFRISIELLO	FMANRBD1018

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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