

## Rubber Duck Portable Dual Band Antenna Operates From 2.4 GHz to 5.8 GHz With a Nominal 2.5 dBi Gain SMA Male Input Connector

Rubber duck portable antenna FM51087 from Fairview Microwave (also known as a rubber ducky antenna) is part of our extensive in-stock omni-directional radio antenna selection. This dual band rubber duck portable antenna has a frequency range of 2.4 GHz to 2.5 GHz, 4.9 GHz to 5.8 GHz and a 2.5 nominal dBi gain. Our portable rubber duck antenna uses SMA male connector and is rated for 0 Watts input. FM51087 rubber duck portable radio antenna is one of over 40,000 RF, microwave and millimeter wave components supplied from Fairview Microwave. Our portable rubber duck aerial can be bought and shipped worldwide the same-day as with our other available RF parts.

### Configuration

Design	Portable
Polarization	Vertical
Connector Type	SMA Male Reverse Polarity

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2,400		5,800	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain	2.5			dBi

### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4-2.5	4.9-5.8				GHz

### Mechanical Specifications

Radome Material	PU
<b>Size</b>	
Length	7.8 in [198.12 mm]
Width	0.52 in [13.21 mm]
Height	0 in [0 mm]
Weight	0.033 lbs [14.97 g]

### Environmental Specifications

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

### Plotted and Other Data

Notes:



### Features:

- Vertical Polarized
- Dual Band 2.4 to 2.5 / 4.9 to 5.825 GHz
- Tilt and Swivel Rubberduck / External Dipole
- 2.5 dBi gain
- SMA Male Connector
- Black

### Applications:

- 2.4 GHz Wi-Fi
- IoT
- Zigbee, Bluetooth
- 5 GHz WLAN / Wi-Fi Networks
- Public Safety

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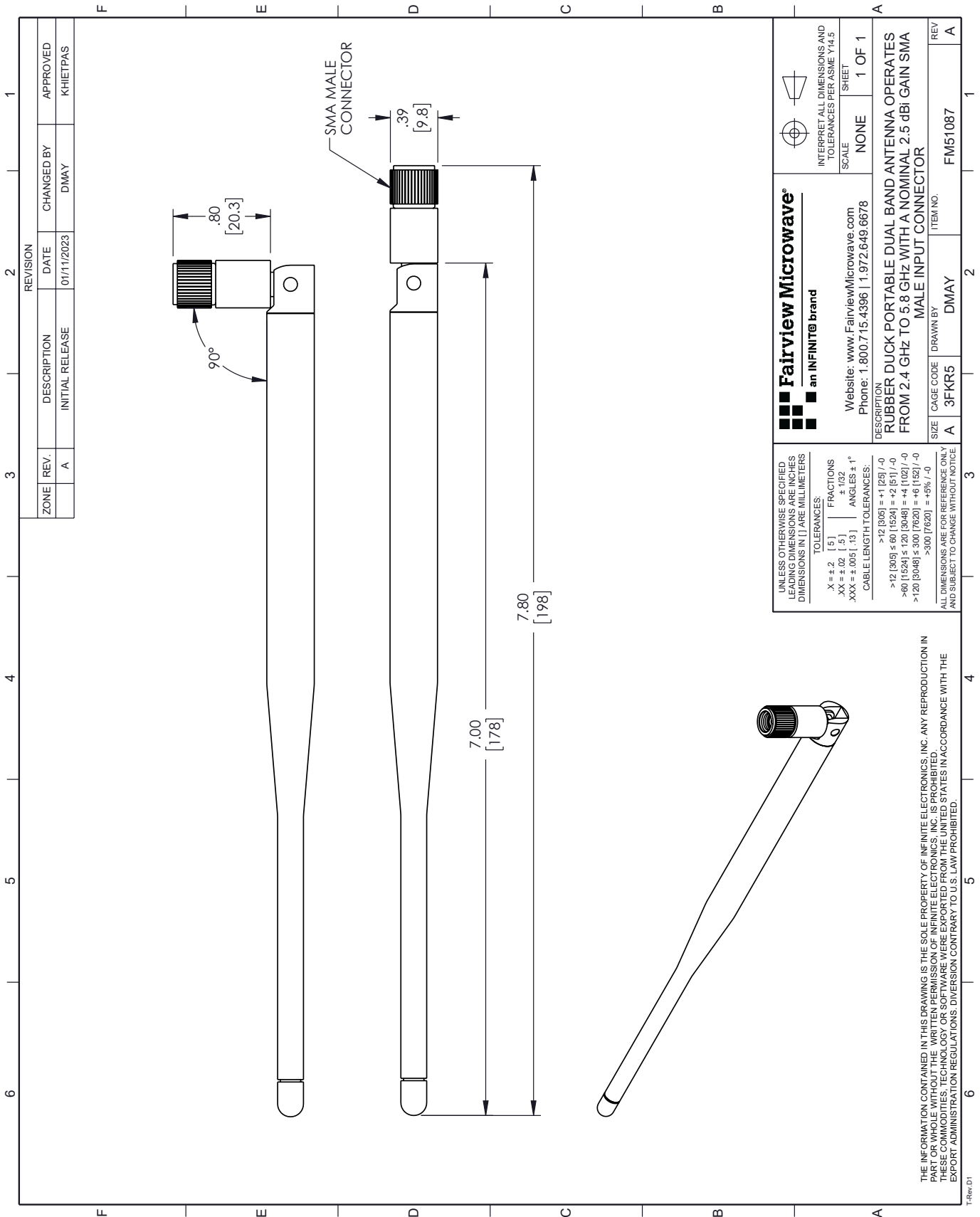
Rubber Duck Portable Dual Band Antenna Operates From 2.4 GHz to 5.8 GHz With a Nominal 2.5 dBi Gain SMA Male Input Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Rubber Duck Portable Dual Band Antenna Operates From 2.4 GHz to 5.8 GHz With a Nominal 2.5 dBi Gain SMA Male Input Connector FM51087](#)

URL: <https://www.fairviewmicrowave.com/dbi-dualband-rubber-duck-portable-antenna-2400-5800-mhz-sma-connector-fm51087-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		CHANGED BY	APPROVED
ZONE	REV.	DESCRIPTION	DATE
	A	INITIAL RELEASE	01/11/2023
		DMAY	KHIETPAS

<b>Fairview Microwave</b> an INFINIT <sup>®</sup> brand Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION: RUBBER DUCK PORTABLE DUAL BAND ANTENNA OPERATES FROM 2.4 GHz TO 5.8 GHz WITH A NOMINAL 2.5 dBi GAIN SMA MALE INPUT CONNECTOR		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	FM51087
REV	DRAWN BY	REV
A	DMAY	A

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

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

CABLE LENGTH TOLERANCES:  
>12 [305] = +1 [25] / -0  
>60 [1524] ≤ 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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