

2.15 dBi, UHF Rubber Duck Antenna, 400-470 MHz, SMA Male Connector, Vertical Polarization

The FMANRBD1001 rubber duck antenna from Fairview is part of our extensive line of directional antennas that we offer with global same-day shipping from our facilities certified to ISO 9001:2015. Fairview's high-quality single-band rubber duck antenna has a 2.15 dBi nominal gain and can be procured with no order limit. This rubber duck single-band 2.15 dBi antenna has a frequency range of 400 MHz to 470 MHz.

We lead the industry in supplying products like this 400 MHz to 470 MHz single-band antenna, along with other RF, microwave, and millimeter wave components. This rubber duck antenna from Fairview uses a SMA connector and has a maximum input power of 20 watts. Use our single-band rubber duck antenna with vertical polarization for fixed and mobile services, public safety or emergency services, trunking for two-way radio communications, land and private mobile radio (LMR) (PMR), PtP or PtMP, tetra, and P-25 applications.

Fairview's rubber duck antenna with 2.15 dBi gain has a SMA-type male connector. This SMA-series male connectorized omnidirectional antenna is 0.5 inches tall, 0.5 inches wide, and 6.3 inches long. The FMANRBD1001 UHF antenna has 360-degrees of horizontal and 80-degrees of vertical HPBW. Our high-quality antenna has a maximum input VSWR (voltage standing wave ratio) of 1.5:1.

Fairview's 50 Ohms impedance antenna can operate at temperatures ranging from -40 °C to 60 °C. This single-band rubber duck antenna is offered with expert technical support, PDF datasheets, and CAD drawings with dimensions and specifications. Order your 2.15 dBi UHF rubber duck antennas now and enjoy our international or domestic same-day shipping.

Configuration

Design	Rubber Duck
Gain	2.15
Polarization	Vertical
Connector Type	SMA Male

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	400		470	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		2.15		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		80		Degrees
Input Power			20	Watts

Mechanical Specifications

Radome Material	TPEE
Size	
Length	6.5748 in [167 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.044 lbs [19.96 g]



Features:

- 400 MHz to 470 MHz, 2.15 dBi Gain
- SMA-male connector
- Heliflex whip antenna
- Plug and play
- 20W power handling
- VSWR < 1.5:1
- Vertical polarization

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

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

Environmental Specifications

Temperature

Operating Range -40 to +60 deg C

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

Plotted and Other Data

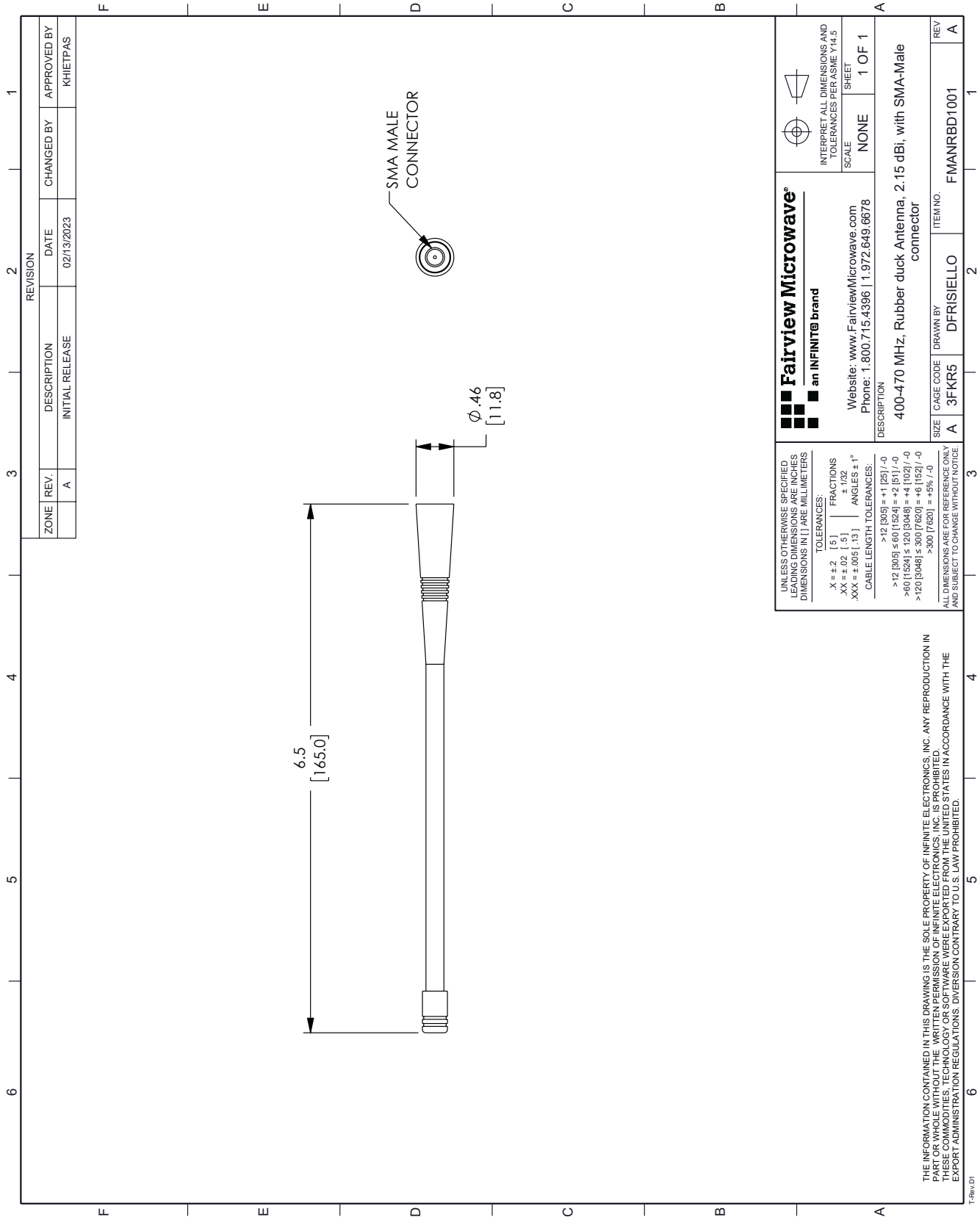
Notes:

2.15 dBi, UHF Rubber Duck Antenna, 400-470 MHz, SMA 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: [2.15 dBi, UHF Rubber Duck Antenna, 400-470 MHz, SMA Male Connector, Vertical Polarization FMANRBD1001](#)

URL: <https://www.fairviewmicrowave.com/2.15-dbi-uhf-rubber-duck-antenna-400-470-mhz-sma-male-connector-vertical-polarization-fmanrbd1001-p.aspx>

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REVISION		DATE	CHANGED BY	APPROVED BY
ZONE	REV.	DESCRIPTION	DATE	APPROVED BY
	A	INITIAL RELEASE	02/13/2023	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</p>	<p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
	<p>DESCRIPTION</p> <p>400-470 MHz, Rubber duck Antenna, 2.15 dBi, with SMA-Male connector</p>	
<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND DIMENSIONS IN LARGE MILLIMETERS</p> <p>TOLERANCES:</p> <p>.X = ±.2 [5] FRACTIONS ± 1/32</p> <p>.XX = ±.02 [.5] ANGLES ± 1°</p> <p>.XXX = ±.005 [.13]</p> <p>CABLE LENGTH TOLERANCES:</p> <p>>12 [305] ≤ 60 [1524] = ±1 [25] / -0</p> <p>>60 [1524] ≤ 120 [3048] = ±4 [102] / -0</p> <p>>120 [3048] ≤ 300 [7620] = ±6 [152] / -0</p> <p>>300 [7620] = ±5% / -0</p>	<p>SIZE CAGE CODE DRAWN BY ITEM NO.</p> <p>A 3FKR5 DFRISIELLO FMANRBD1001</p>	<p>REV</p> <p>A</p>

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