

2.15 dBi, 3.7 inch UHF Rubber Duck Antenna, 400-520 MHz, SMA Male Connector, Vertical Polarization

The FMANRBD1005 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 520 MHz.

We lead the industry in supplying products like this 400 MHz to 520 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 FMANRBD1005 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 2:1.

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		520	MHz
Input VSWR			2:1	
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

Size	
Length	3.54 in [89.92 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.039 lbs [17.69 g]



Features:

- 400 MHz to 520 MHz, 2.15 dBi Gain
- SMA-male connector
- Heliflex whip antenna
- Plug and play
- 20W power handling
- VSWR < 2:1
- 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

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Environmental Specifications

Temperature

Operating Range -40 to +60 deg C

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

Plotted and Other Data

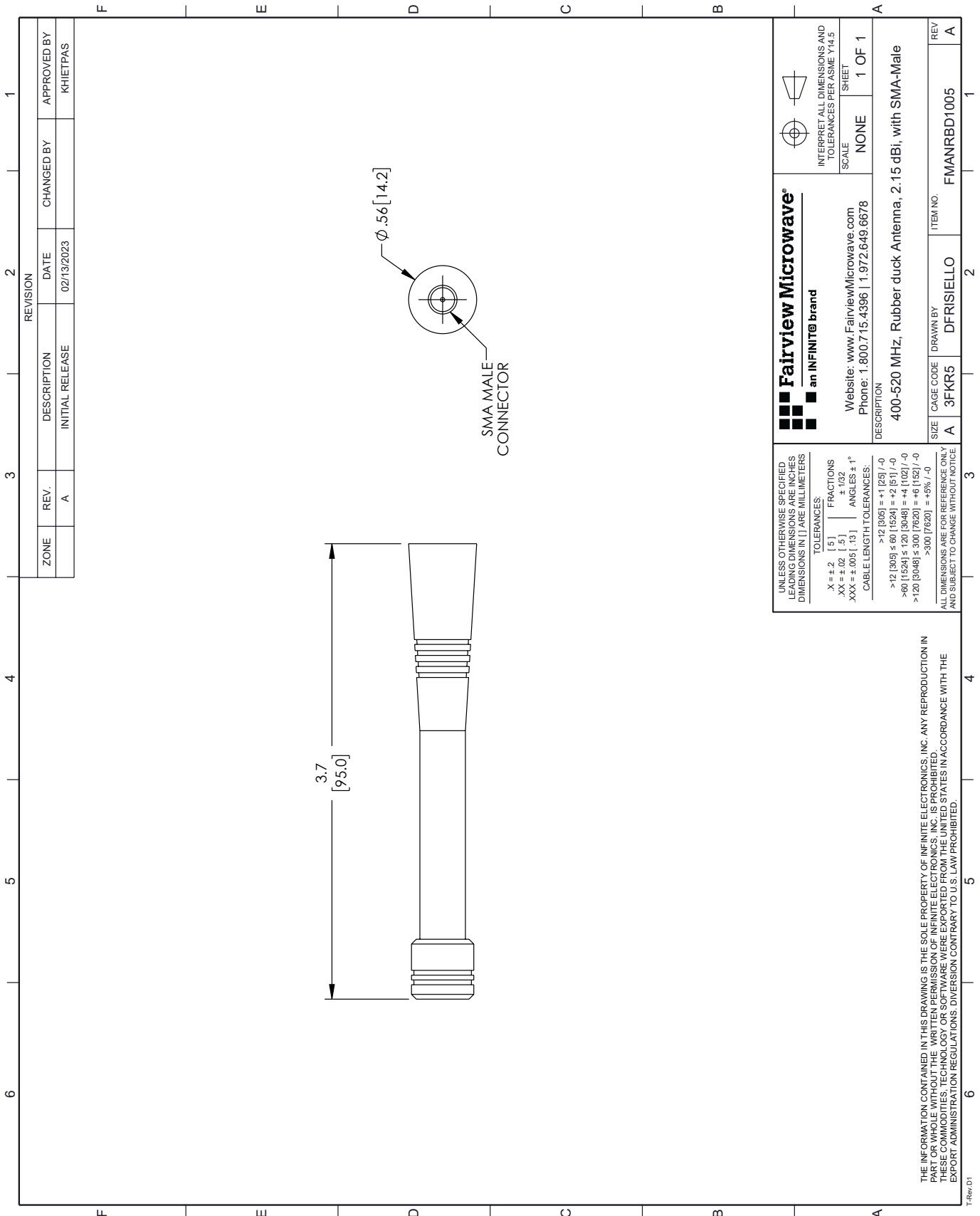
Notes:

2.15 dBi, 3.7 inch UHF Rubber Duck Antenna, 400-520 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, 3.7 inch UHF Rubber Duck Antenna, 400-520 MHz, SMA Male Connector, Vertical Polarization FMANRBD1005](#)

URL: <https://www.fairviewmicrowave.com/2.15-dbi-3.7-inch-uhf-rubber-duck-antenna-400-520-mhz-sma-male-connector-vertical-polarization-fmanrbd1005-p.aspx>

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ZONE		REVISION		APPROVED BY	
A	INITIAL RELEASE	02/13/2023	DATE	CHANGED BY	KHIETPAS

Fairview Microwave an INFINIT [®] brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		DESCRIPTION: 400-520 MHz, Rubber duck Antenna, 2.15 dBi, with SMA-Male	
SIZE: A	CAGE CODE: 3FKR5	DRAWN BY: DFRISIELLO	ITEM NO.: FMANRBD1005

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]	± .125 / -0
>60 [1524]	± .25 / -0
>120 [3048]	± .50 / -0
>300 [7620]	± 1.00 / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

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