

3 dBi WideBand Rubber Duck Antenna 860-960 MHz RP-SMA Connector

The Fairview Microwave FM51RD1008 high performance 900 MHz omnidirectional "rubber-duck" antenna features a tilt-and-swivel Reverse Polarity SMA-Plug (RP-SMA) connector, allowing them to be used vertically, at a right angle, or any angle in-between. It is a coaxial sleeve design with an omni-directional pattern. It is ideally suited for 900MHz ISM band applications as well as cellular applications.

The high performance rubber-duck FM51RD1008 from Fairview Microwave, measuring 8.62" long, is a flexible antenna providing broad coverage and 3 dBi gain. It is suitable as a replacement RF antenna for 900MHz radios that are equipped with RP-SMA connectors such as wireless video transmitters and receivers, 900MHz digital spread spectrum radios and more.

This rubber duck antenna, as well as our wide selection of superior quality RF devices, ship same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Fairview Microwave products.

Configuration

Gain	3 to 3 dBi
Polarization	Vertical
Connector Type	SMA Plug Reverse Polarity
Number of Ports	1
Lightning Protection	DC Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	860		960	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		3		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		62		Degrees
Input Power			50	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.86-0.96					GHz
Gain	3					dBi
Horiz. Beam Width	360					Degrees
Vert. Beam Width	62					Degrees
Max Input Power	50					Watts

Mechanical Specifications

Size	
Length	8.62 in [218.95 mm]
Width	0.66 in [16.76 mm]
Height	0.66 in [16.76 mm]



Features:

- 900 MHz Omnidirectional
- Flexible Rubber Duck Antenna
- Reverse Polarity SMA-Plug (RP-SMA) Connector
- Tilt and Swivel Design

Applications:

- 900 MHz Digital Spread Spectrum Radios
- 900 MHz ISM Band
- 900 MHz Telemetry Products
- LoRA, IoT, M2M Applications
- Cellular Band Applications

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Weight 0.045 lbs [20.41 g]

Environmental Specifications

Temperature

Operating Range -40 to +60 deg C

Environment UL 94HB

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

Plotted and Other Data

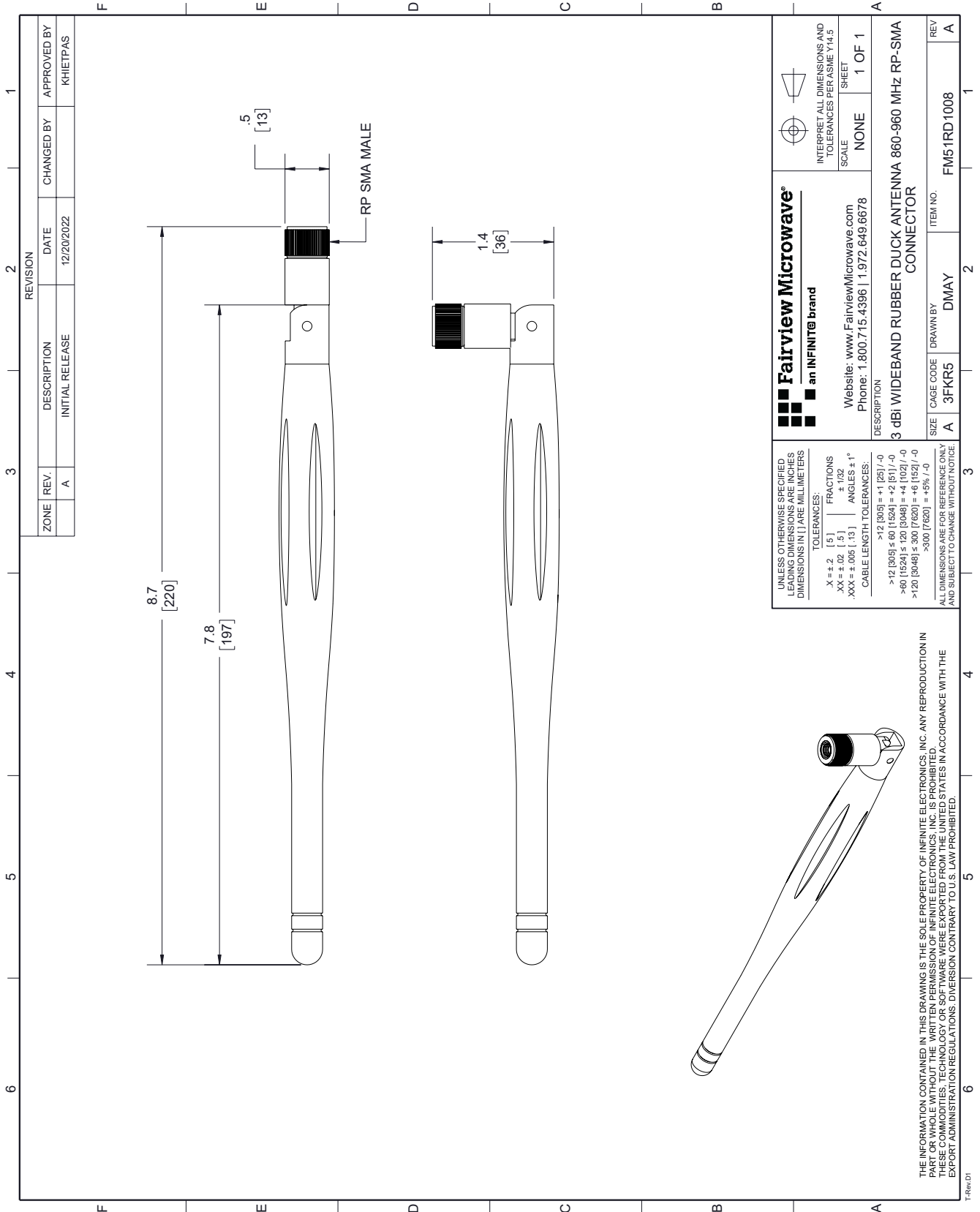
Notes:

3 dBi WideBand Rubber Duck Antenna 860-960 MHz RP-SMA 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: [3 dBi WideBand Rubber Duck Antenna 860-960 MHz RP-SMA Connector FM51RD1008](#)

URL: <https://www.fairviewmicrowave.com/wide-antenna-860-960-mhz-3-dbi-gain-sma-fm51rd1008-p.aspx>

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