

### 4.52 dBi Rubber Duck Antenna 2,400-2,500 MHz RP-TNC Connector

The Fairview Microwave FM51RD1016 is a high performance economical "rubber-duck" antenna designed for the 2.4 GHz ISM band with omnidirectional coverage. It features a tilt-and-swivel Reverse Polarity TNC (RP-TNC) male 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 IEEE 802.11b, 802.11g, 802.11n and 802.11ax (WiFi 6) Wireless LANs, Bluetooth, IoT and other applications.

The high performance FM51RD1016 rubber-duck from Fairview Microwave is a flexible antenna providing broad coverage and 4.5 dBi gain. Measuring 8.0 inches long, this 4.5 dBi antenna makes a great upgrade to OEM supplied antennas. It is suitable as a replacement RF antenna for 2.4 GHz radios that are equipped with RP-TNC connectors.

In addition to shipping the same day, our rubber duck antennas are high-quality components backed by expert technical support and sales personnel. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Fairview Microwave products.



#### Features:

- Flexible "Rubber Duck" Antenna
- Optional Magnetic Mount Available
- High performance 4.5 dBi
- Reverse Polarity TNC Plug Connector
- Tilt and Swivel Design

#### Applications:

- Multipoint and Mobile Applications & Bluetooth<sup>®</sup>
- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g, 802.11x (WiFi 6) Wireless LAN & IEEE 802.11n (Pre-N, Draft-N) Applications
- Public Wireless Hotspot
- Wireless Video Systems
- IoT Systems

#### Configuration

Design	Rubber Duck
Gain	4.52
Polarization	Linear
Connector Type	TNC Male Reverse Polarity
Number of Ports	1

#### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2,400		2,500	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		4.52		dBi

#### Mechanical Specifications

Housing Material	TPEE
Housing Plating/Color	Black
<b>Size</b>	
Length	8.19 in [208.03 mm]
Width	0.51 in [12.95 mm]
Height	0.51 in [12.95 mm]
Weight	0.026 lbs [11.79 g]

#### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +65 deg C
Storage Range	-40 to +80 deg C

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

**Plotted and Other Data**

Notes:

4.52 dBi Rubber Duck Antenna 2,400-2,500 MHz RP-TNC 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: [4.52 dBi Rubber Duck Antenna 2,400-2,500 MHz RP-TNC Connector FM51RD1016](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-2.4-2.5-ghz-4.52-dbi-gain-tnc-fm51rd1016-p.aspx>

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