

## 4.52 dBi Rubber Duck Antenna 2,400-2,500 MHz N Type Connector

The Fairview Microwave FM51RD1014 is an economical yet high performance omnidirectional “rubber-duck” antenna designed for the 2.4 GHz ISM band. It features a tilt-and-swivel N 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 FM51RD1014 rubber-duck from Fairview Microwave is a flexible antenna providing broad coverage and 4.5 dBi gain. Measuring 8.2 inches long, this 4.5 dBi antenna makes a great upgrade to OEM supplied antennas. The N-male makes it suitable to mount to radios with bulkhead N-female connectors or coax connections.

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.

### Configuration

Design	Rubber Duck
Gain	4.52
Polarization	Linear
Connector Type	N Male
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	0.046 lbs [20.87 g]

### Environmental Specifications

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

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

### Plotted and Other Data

Notes:



### Features:

- Tilt and Swivel Design
- Flexible “Rubber Duck” Antenna
- N-Male Connector

### Applications:

- Multipoint and Mobile Applications & Bluetooth®
- 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 Systems
- IoT Systems

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](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

4.52 dBi Rubber Duck Antenna 2,400-2,500 MHz N Type 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 N Type Connector FM51RD1014](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-2.4-2.5-ghz-4.52-dbi-gain-n-fm51rd1014-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.



