

7 dBi Rubber Duck Antenna 2,400-2,500 MHz RP-SMA Connector

The Fairview Microwave FM51RD1017 is a superior performance economical "rubber-duck" antenna designed for the 2.4 GHz ISM band with omnidirectional coverage. It features a tilt-and-swivel Reverse Polarity SMA (RP-SMA) 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 FM51RD1017 rubber-duck from Fairview Microwave is a flexible antenna providing broad coverage and 7.0 dBi gain. Measuring 11.6 inches long, this 7.0 dBi antenna makes a great upgrade to OEM supplied antennas offering much larger coverage area and stronger signals. It is suitable as a replacement RF antenna for 2.4 GHz radios that are equipped with RP-SMA 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.

Configuration

Design	Rubber Duck
Gain	7
Polarization	Linear
Connector Type	SMA 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		7		dBi

Mechanical Specifications

Housing Material	TPEE
Housing Plating/Color	Black
Size	
Length	11.57 in [293.88 mm]
Width	0.51 in [12.95 mm]
Height	0.51 in [12.95 mm]
Weight	0.036 lbs [16.33 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Storage Range	-40 to +80 deg C



Features:

- High performance 7 dBi
- Better performance Than Most Stock AP Antennas
- Flexible "Rubber Duck" Antenna with Tilt and Swivel Design
- Optional Magnetic Mount Available
- RP-SMA 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 Video Systems
- IoT Systems

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

Plotted and Other Data

Notes:

7 dBi Rubber Duck Antenna 2,400-2,500 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: [7 dBi Rubber Duck Antenna 2,400-2,500 MHz RP-SMA Connector FM51RD1017](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-2.4-2.5-ghz-7-dbi-gain-sma-fm51rd1017-p.aspx>

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