

2.4-2.5 GHz and 5.1- 5.8 GHz Dual Band Rubber Duck Antenna

The Fairview Microwave FM51RD1005 is a high performance Dual Band rubber-duck antenna designed to operate in 2.4 GHz to 2.5 GHz or 5.1 GHz to 5.9 GHz bands. The Dual Band design of this antenna eliminates the need to purchase different antennas for each frequency. It is ideally suited for IEEE 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac applications.

Measuring 8.6" long, this antenna features rugged composite blade style radome and a tilt-and-swivel reverse-polarity SMA connector. This allows it to be used vertically, at a right angle, or any angle in-between. It is suitable as a replacement RF antenna for many access points and radios that are equipped with reverse-polarity SMA connectors including D-Link®, Linksys® WET11 and others.

Application Note: This antenna is not for use with U.S.Robotics® RP-SMA equipped devices.

Configuration

Design	Rubber Duck
Gain	5 to 3 dBi
Polarization	Vertical
Connector Type	SMA Plug Reverse Polarity
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR			2:1	
Impedance		50		Ohms
Gain		3		dBi

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4-2.483	5.1-5.9				GHz
Gain	5	5				dBi
Horiz. Beam Width	360	360				Degrees
Vert. Beam Width	60	30				Degrees

Mechanical Specifications

Radome Material	ABS
Size	
Length	8.6 in [218.44 mm]
Width	1 in [25.4 mm]
Height	0.52 in [13.21 mm]
Weight	0.04 lbs [18.14 g]

Environmental Specifications

Temperature	
Operating Range	-30 to +60 deg C



Features:

- 5.8 GHz wireless video and security systems
- Rugged composite radome
- Compact design
- Tilt and swivel design
- RP-SMA Plug connector

Applications:

- 2.4 GHz, and 5.8 GHz band applications
- IEEE 802.11a/b/g/n and 802.11ac WiFi access points and routers
- 5.8 GHz ISM/UNII applications
- 5.8 GHz wireless video and security systems

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

Plotted and Other Data

Notes:

2.4-2.5 GHz and 5.1- 5.8 GHz Dual Band Rubber Duck Antenna 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: [2.4-2.5 GHz and 5.1- 5.8 GHz Dual Band Rubber Duck Antenna FM51RD1005](#)

URL: <https://www.fairviewmicrowave.com/dual-antenna-3-dbi-gain-sma-fm51rd1005-p.aspx>

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