

3.5 dBi MultiBand Rubber Duck Portable Antenna 615-7,150 MHz SMA Connector

The 5G Fairview Microwave FM51RD1030 Rubber Duck Antenna is a high performance omnidirectional "rubber-duck" antenna. Designed for 615 MHz to 7150 MHz bands, it is in stock and can ship same day. It features a tilt-and-swivel SMA-Plug (male) connector, allowing them to be used at a right angle, vertically or any angle in-between. It is a coaxial sleeve design with an omni-directional pattern. The FM51RD1030 is ideally suited 4G, 5G, LTE, CBRS, UNII and WiFi 6e bands.

The Fairview Microwave high performance rubber-duck FM51RD1030 is a flexible antenna providing broad coverage and 1-4 dBi gain. This SMA male rubber duck is suitable for commercial radios in public and private 5G and Cellular networks that are equipped with SMA female connectors. Fairview Microwave's FM51RD1030 from Fairview Microwave supports 600, 700, 800, 850, 900, 1800, 2100, 2400, 2600, 3500, 5800 MHz, 6 GHz and 7 GHz bands.

This 5G 615 MHz to 7150 MHz rubber duck antenna with a SMA male connector just like the other RF components from Fairview Microwave is in stock and ships the same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on any Fairview Microwave products.

Configuration

Design	Portable
Gain	1 to 3.5 dBi
Polarization	Vertical
Connector Type	SMA Male

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	615		7,150	MHz
Input VSWR			3:1	
Impedance		50		Ohms
Gain	0	3.5		dBi

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.615-0.96	1.71-2.7	3.3-4.2	5.15-7.15		GHz
Gain	1	2	5	3.5		dBi

Mechanical Specifications

Radome Material	ABS
Size	
Length	7.14 in [181.36 mm]
Width	0.9 in [22.86 mm]
Height	0.9 in [22.86 mm]
Weight	0.023 lbs [10.43 g]



Features:

- 0 to 4 dBi Gain
- Tilt and Swivel Design
- SMA Male Connector
- Blade Design

Applications:

- Infotainment Systems, Routers, WiFi Hotspots, HD Video Transmission, Gateways, Dash Cameras, Public Transportation
- WiFi 6e (802.11ax)
- Connected Cars or Self-Driving Cars, Fleet Management, Logistics
- 4G & 5G Networks
- 600, 700, 800, 850, 900, 1800, 1900, 2100, 2600, 3500, 5800 MHz, 6 GHz and 7 GHz Bands
- IoT, Cellular, Zigbee, Z-Wave, Bluetooth, CBRS, WiFi, C-Band, UNII

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Environmental Specifications

Temperature

Operating Range -20 to +65 deg C
Storage Range -20 to +65 deg C

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

Plotted and Other Data

Notes:

3.5 dBi MultiBand Rubber Duck Portable Antenna 615-7,150 MHz 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: [3.5 dBi MultiBand Rubber Duck Portable Antenna 615-7,150 MHz SMA Connector FM51RD1030](#)

URL: <https://www.fairviewmicrowave.com/multi-antenna-615-mhz-7.15-ghz-3.5-dbi-gain-sma-fm51rd1030-p.aspx>

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