

2.4 GHz to 5.85 GHz Dual Band Antenna, Monopole, 90-degree angle, SMA Male Connector, 2.1 and 5.47 dBi Gain

Description

The Fairview Microwave FMANRBD1042 is an omni antenna operating from 2.4 GHz to 5.85 GHz with 2.1 dBi gain. Our high-quality omnidirectional antenna has a maximum input VSWR of 2.5:1, which results in the best power transfer and reduced losses. This monopole antenna transmits high power signals, increasing the signal strength, thus providing improved coverage, better broadcast control, and faster speed. Our omni antenna is specifically stocked to be available for same business day shipment.

This FMANRBD1042 WiFi antenna from Fairview Microwave is ideal for 2.4/5 GHz Wi-Fi and ISM applications, WLAN, Bluetooth, IOT, wireless audio/video systems, home automation, telemetry, remote monitoring, wireless data acquisition, 802.11 a/b/g/n/ax, wireless hotspots, PtP and PtMP applications. Our omnidirectional antenna has linear polarization, an SMA male connector, and an TPEE radome material. The SMA male connector on this communication antenna enables it to be used vertically, at a right angle, or at any angle in between.

Fairview Microwave WiFi antenna is 0.93 inches wide, 4.33 inches long, and 0.93 inches tall. This 2.1 dBi antenna have a sturdy design, a high power handling capacity, and IP66 ingress protection rating. The double band antenna has a gain of 2.1 dBi for the 2.4 GHz to 2.5 GHz frequency range and a gain of 5.47 dBi for the 5.15 GHz to 5.85 GHz frequency range. Our black omnidirectional antenna functions between -40 to 65 degrees C and has 50 Ohm impedance.

Fairview Microwave has one of the largest in-stock selections of monopole omni directional antennas for international and domestic orders. Make your online purchase right now to take advantage of our same business day shipping. For further information on similar antennas, our expert technical support and knowledgeable sales team can help you get the perfect 2.4 GHz to 5.85 GHz antenna for your requirements.

Configuration

Design	Rubber Duck
Gain	2.1 dBi
Polarization	Linear
Connector Type	SMA Male

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2,400		5,850	MHz
Input VSWR			2.5:1	
Impedance		50		Ohms
Input Power			10	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4-2.5	5.15-5.85				GHz
Gain	2.1	5.47				dBi



Features:

- 2400-2500 / 5150-5850 MHz, 2.1/5.47 dBi Gain
- 90-degree SMA male connector
- Plug and play
- VSWR < 2.5:1
- Linear polarization
- Monopole antenna

Applications:

- 2.4/5 GHz Wi-Fi and ISM applications
- WLAN applications
- IOT, Wireless audio/video systems
- Home automation
- Telemetry, remote monitoring
- Wireless data acquisition
- 802.11 a/b/g/n/ax/ac, wireless hotspots
- PtP and PtMP applications
- 5G bands: n53, n46
- 4G LTE bands: B252, B255, B46

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Mechanical Specifications

Radome Material	TPEE
Size	
Length	4.33 in [109.98 mm]
Width	0.93 in [23.62 mm]
Height	0.93 in [23.62 mm]
Weight	0.02 lbs [9.07 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Storage Range	-40 to +80 deg C
Environment	Waterproof
Ingress Protection	IP66

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

Plotted and Other Data

Notes:

2.4 GHz to 5.85 GHz Dual Band Antenna, Monopole, 90-degree angle, SMA Male Connector, 2.1 and 5.47 dBi Gain 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 GHz to 5.85 GHz Dual Band Antenna, Monopole, 90-degree angle, SMA Male Connector, 2.1 and 5.47 dBi Gain FMANRBD1042](#)

URL:

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