

4.9 GHz to 5.8 GHz 23 dBi Broadband Patch Antenna

The Fairview Microwave FM51FP1010 flat panel antenna is designed to operate from 4.9 GHz to 5.8 GHz (4750-5850MHz). The wide band design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications.

This aesthetically pleasing antenna features a heavy-duty UV-resistant plastic radome ideal for all-weather indoor and outdoor operation. The FM51FP1010 antenna is supplied with a tilt and swivel mast mount kit. This allows quick installation at various degrees of up/down tilt for easy alignment.

Configuration

Design	Panel
Gain	23 dBi
Polarization	Vertical or Horizontal
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR			1.5:1	
Impedance		50		Ohms
Input Power			50	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	4.9-5.85					GHz
Gain	23	23				dBi
Horiz. Beam Width	11					Degrees
Vert. Beam Width	11					Degrees
Max Input Power	50	50				Watts

Mechanical Specifications

Radome Material	ASA
Size	
Length	12.4 in [314.96 mm]
Width	12.4 in [314.96 mm]
Height	1 in [25.4 mm]
Mounting Mast Diameter	0.75 to 2 in [19.05 to 50.80 mm]
Weight	0.071 lbs [32.21 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Wind Loading	130 MPH [209.21 KPH]



Features:

- Heavy duty UV-resistant all weather radome
- DC ground lightning protection
- Can be mounted for horizontal or vertical polarization
- N-Female connector
- Includes tilt and swivel mast mount

Applications:

- 4.9/5.8 GHz Indoor/Outdoor Wireless LAN systems
- Supports IEEE 802.11 a/n applications
- WiMAX, WISP, WiFi, Communication
- Homeland Security and Public Safety Band
- Wireless video systems

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

Plotted and Other Data

Notes:

4.9 GHz to 5.8 GHz 23 dBi Broadband Patch 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: [4.9 GHz to 5.8 GHz 23 dBi Broadband Patch Antenna FM51FP1010](#)

URL: <https://www.fairviewmicrowave.com/wide-antenna-0-dbi-gain-n-fm51fp1010-p.aspx>

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