

### 900 MHz 3 dBi Yagi Antenna

The Fairview Microwave YE Series are economical high-performance Yagi antennas that combines accurate gain with a wide beam-width and are ideally suited for directional applications in the 900 MHz ISM and GSM bands. This series of Yagi antennas provides the user with anodized aluminum boom, solid elements, low loss series 400 COAX, and rugged mounting hardware.

#### Configuration

Design	Yagi
Gain	3 to 3 dBi
Polarization	Vertical or Horizontal
Cable Type	400 series
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Short

#### Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		3		dBi
Front to Back Ratio		14		dB
Input Power			100	Watts

#### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.824-0.96					GHz
Gain	3					dBi
Horiz. Beam Width	120					Degrees
Vert. Beam Width	70					Degrees
Max Input Power	100					Watts

#### Mechanical Specifications

Radome Material	ABS
<b>Size</b>	
Length	13.9 in [353.06 mm]
Width	3.4 in [86.36 mm]
Height	2 in [50.8 mm]
Mounting Mast Diameter	2 in [50.80 mm]
Weight	0.038 lbs [17.24 g]

#### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +85 deg C
Wind Loading	135 MPH [217.26 KPH]



#### Features:

- 3 dBi gain & all weather Anodized Aluminum construction
- Can be installed for either vertical or horizontal polarization
- Solid Aluminum 1/8" elements
- Heavy-duty 1/2" Aluminum boom
- 15 inch coax lead & 1/8" thick plated steel mounting plate

#### Applications:

- 900MHz ISM Band & Wireless LAN systems
- LPWAN, LoRA, IoT, and M2M applications
- 900MHz Cellular and GSM
- RFID & SCADA
- Wireless Video Links

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

**Plotted and Other Data**

Notes:

900 MHz 3 dBi Yagi 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: [900 MHz 3 dBi Yagi Antenna FM51YA1007](#)

URL: <https://www.fairviewmicrowave.com/wide-antenna-3-dbi-gain-n-fm51ya1007-p.aspx>

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