

## 880 MHz to 960 MHz, Heavy-Duty Yagi Antenna, 11dBi, N-female

The Fairview Microwave 880 MHz to 960 MHz FM51YA1017 Yagi Antenna ships the same day and is designed for the most rugged conditions. This 900 MHz antenna provides 11 dBi of gain and adjustable polarization. Equipped with an N-Female connector, coaxial connections to a radio are simple and easy. The FM51YA1017 is ideally suited for 900 MHz ISM bands. This 11 dBi antenna supports Land Mobile Radio for land transportation, utility, manufacturing, and petrochemical companies (oil and gas).

Measuring 27.6 inches long, the N-female FM51YA1017 from Fairview Microwave is manufactured using robust 5/16" aircraft quality aluminum elements. The FM51YA1017 elements are completely welded to a 1" boom and painted black. This ensures performance and survivability in the toughest environments.

880 MHz to 960 MHz Yagi antennas from Fairview Microwave are high-quality components backed by expert technical support and sales personnel. Like the other RF components at Fairview Microwave, the 11 dBi FM51YA1017 is in stock and ready to ship the same day.

### Configuration

Design	Yagi
Gain	11 to 11 dBi
Polarization	Linear
Cable Type	LMR400
Cable Length	36 in [914.4 mm]
Connector Type	N Female
Number of Ports	1

### Electrical Specifications

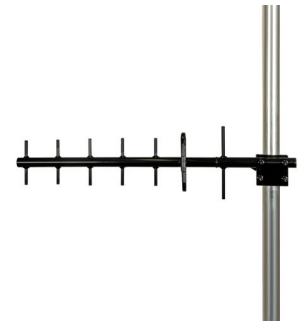
Description	Min	Typ	Max	Units
Frequency Range	880		960	MHz
Input VSWR		1.3:1	1.5:1	
Impedance		50		Ohms
Gain		11		dBi
Input Power			150	Watts

### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.88-0.928	0.928-0.96				GHz
Gain	11	11.5				dBi
Horiz. Beam Width	55	50				Degrees
Vert. Beam Width	45	42				Degrees
VSWR	1.5:1	1.5:1				

### Mechanical Specifications

Housing Material	Aluminum
Housing Plating/Color	Powder Coat
<b>Size</b>	
Length	27.6 in [701.04 mm]



### Features:

- Aircraft Quality 6061-T6 Aluminum with 5/16" Elements with 360° Fully Welded to a 1" Boom
- Powder-Coated Black for Corrosion, Fade, and Ice-Build Up Resistance
- Can be Installed for Either Vertical or Horizontal Polarization
- Comes with 36" LMR400 Pigtailed with N-Type Female Connectors

### Applications:

- 900 MHz Cellular and GSM
- 900 MHz ISM Band & Wireless LAN Systems
- Point to Multipoint & Non Line of Sight
- NLOS Applications
- RFID & SCADA
- LPWAN, LoRA, IoT, M2M

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Width	7.1 in [180.34 mm]
Height	2.4 in [60.96 mm]
Mounting Mast Diameter	0.75 to 2 in [19.05 to 50.80 mm]
Weight	1.201 lbs [544.76 g]

### Environmental Specifications

#### Temperature

Operating Range	-40 to +60 deg C
Storage Range	-40 to +140 deg C

Wind Loading	200 MPH [321.87 KPH]
Ingress Protection	IP55

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

### Plotted and Other Data

Notes:

880 MHz to 960 MHz, Heavy-Duty Yagi Antenna, 11dBi, N-female 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: [880 MHz to 960 MHz, Heavy-Duty Yagi Antenna, 11dBi, N-female FM51YA1017](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-880-960-mhz-11-dbi-gain-n-fm51ya1017-p.aspx>

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