

### 880 MHz to 960 MHz, Heavy-Duty Yagi Antenna, 9dBi, N-female

The Fairview Microwave 880 MHz to 960 MHz FM51YA1018 Yagi Antenna ships the same day and is designed for the most rugged conditions. This 900 MHz antenna provides 9 dBi of gain and adjustable polarization. Equipped with an N-Female connector, coaxial connections to a radio are simple and easy. The FM51YA1018 is ideally suited for 900 MHz ISM bands. This 9 dBi antenna supports Land Mobile Radio for land transportation, utility, manufacturing, and petrochemical companies (oil and gas).

Measuring 24.3 inches long, the N-female FM51YA1018 from Fairview Microwave is manufactured using robust 5/16" aircraft quality aluminum elements. The FM51YA1018 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 9 dBi FM51YA1018 is in stock and ready to ship the same day.

#### Configuration

Design	Yagi
Gain	9 to 9 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		9		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	9	9.5				dBi
Horiz. Beam Width	60	60				Degrees
Vert. Beam Width	50	45				Degrees
VSWR	1.5:1	1.5:1				

#### Mechanical Specifications

Housing Material	Aluminum
Housing Plating/Color	Powder Coat
<b>Size</b>	
Length	24.3 in [617.22 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	1.164 lbs [527.98 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, 9dBi, 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, 9dBi, N-female FM51YA1018](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-880-960-mhz-9-dbi-gain-n-fm51ya1018-p.aspx>

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