

### 600-960 / 1710-2700 / 3300-3800 MHz, 7 / 9 / 11, MIMO Log Periodic Antenna, 2 x N Female Connector

The Log Periodic antenna FMANLP1004 from Fairview Microwave is a high-performance RF component which operates from 600 to 3800 MHz with 11 dBi of gain. FMANLP1004 is ideal for applications where directivity and coverage are very important like for point-to-point applications, 5G, LTE, CMDA, LoRA, IoT, WIFI. For long distance directional communication over a wide range of frequencies FMANLP1004 is best.

The FMANLP1004 has a 20 Inches long pigtail terminated with 2 Type N Female connector. The log periodic FMANLP1004 has 65 vertical beamwidth and 85 horizontal beamwidth. This antenna has V/H polarization and the included mounting brackets allow for either vertical or horizontal mounting configurations with easy install instructions. Log periodic antennas function as boosters where the existing cellular signal is weak and needs to reach further distances.

Fairview Microwave's 600 to 3800 MHz log periodic antenna FMANLP1004 antennas has 11 dBi max gain for 5G DAS networks operate in bands n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n48, n53, n65, n66, n67, n70, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98. This 5G directional log periodic antenna with N Female Type connector is in stock and ready to ship the same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Fairview Microwave products.

#### Configuration

Design	Log Periodic
Gain	7 dBi
Polarization	Vertical and Horizontal
Cable Type	RG58/ U
Cable Length	19.69 in [500.13 mm]
Connector Type	N Female
Number of Ports	2

#### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	600		3,800	MHz
Input VSWR		2:1	2.5:1	
Impedance		50		Ohms
Gain	7		11	dBi
Input Power			50	Watts

#### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.6-0.96	1.71-2.7	3.3-3.8			GHz
Gain	7	9	11			dBi
Horiz. Beam Width	85	65	55			Degrees
Vert. Beam Width	65	50	45			Degrees
VSWR	2.5:1	2.5:1	2:1			
Max Input Power	50	50	50			Watts



#### Features:

- Frequency coverage for 600 MHz to 3800 MHz
- Very High Gain 11 dBi Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS radome
- Pigtail – 20 inches
- 2 X N-Type Female connector

#### Applications:

- Point-to-point, LPWAN, LoRA, LTE-M, NB-IoT, IoT, CBRS, M2M applications
- 5G / 4G LTE B1 to B10, B12 to B20, B23, B22, B24, B25, B28 / 3G / GSM / AWS / WLAN/ CBRS operation supported
- 5G Bands supported
- DAS (Distributed Antenna Systems)
- IEEE 802.11a / b / g / n / ac / ad / ah/ ax Wi-Fi applications
- Public safety, utilities, CCTV and local radio coverage
- Smart cities expansion for coverage and IOT / IIOT

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**Mechanical Specifications**

Radome Material	ABS
<b>Size</b>	
Length	18.2 in [462.28 mm]
Width	10.2 in [259.08 mm]
Height	10.2 in [259.08 mm]
Mounting Mast Diameter	1.57 to 1.97 in [39.88 to 50.04 mm]
Weight	3 lbs [1.36 kg]

**Environmental Specifications**

**Temperature**

Operating Range	-40 to +70 deg C
Wind Loading	150 MPH [241.4 KPH]
Humidity	5 to 95

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

**Plotted and Other Data**

Notes:

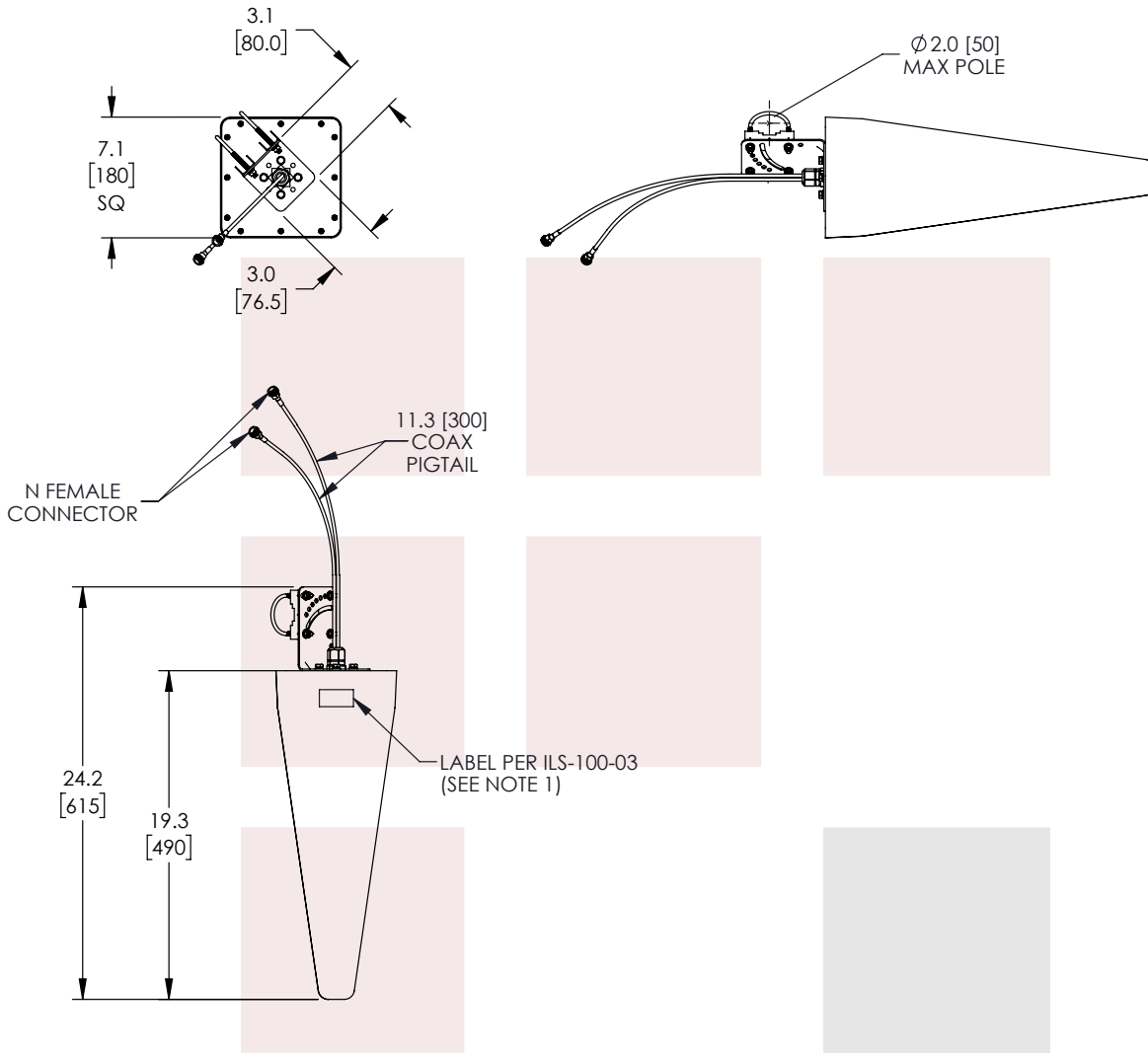
600-960 / 1710-2700 / 3300-3800 MHz, 7 / 9 / 11, MIMO Log Periodic Antenna, 2 x N Female Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [600-960 / 1710-2700 / 3300-3800 MHz, 7 / 9 / 11, MIMO Log Periodic Antenna, 2 x N Female Connector FMANLP1004](#)

URL: <https://www.fairviewmicrowave.com/multi-band-antenna-0-dbi-n-female-fmanlp1004-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/28/2022	KHIETPAS



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	TOLERANCES: .X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [.51] ± 1/32 .XXX = ±.005 [.13] ANGLES ± 1°		CABLE LENGTH (L) TOLERANCES: L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0	
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