

# FMANLP1013 DATA SHEET

# 698-4200, 10-11 dBi gain, Log Periodic, Type N Female

TheLogPeriodicantennaFMANLP1013fromFairviewMicrowaveisahigh-performance RF component which operates from 698 to 4200 MHz with 11 dBi of gain. FMANLP1013 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 FMANLP1013 is best.

The FMANLP1013 has a 8 inches long pigtail terminated with 1 Type N Female connector. The log periodic FMANLP1013 has 50 vertical beamwidth and 65 horizontal beamwidth. This antenna has Vertical 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 698 to 4200 MHz log periodic antenna FMANLP1013 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, 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	10 dBi
Polarization	Vertical
Cable Type	RG58U
Cable Length	7.87 in [199.9 mm]
Connector Type	N Female
Number of Ports	1

### **Electrical Specifications**

Description	Min	Тур	Max	Units
Frequency Range	698		4,200	MHz
Input VSWR		1.7:1	2:1	
Impedance		50		Ohms
Gain	10		11	dBi
Input Power			100	Watts

### **Specifications by Frequency**

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.698-0.96	1.71-2.7	3.3-4.2			GHz
Gain	10	11	11			dBi
Horiz. Beam Width	65	50	50			Degrees
Vert. Beam Width	50	45	45			Degrees
VSWR	2:1	1.7:1	2:1			
Max Input Power	100	100	100			Watts



### **Features:**

- Frequency coverage for 698 MHz to 4200 MHz
- Very High Gain 11 dBi
  Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS UV Resistance PVC radome
- Pigtail 8 inches
- 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 Swatema)
- Antenna Systems) • IEEE 802.11a / b /g / n / ac /
- ad / ah/ ax Wi-Fi applicationsPublic safety, utilities, CCTV
- and local radio coverageSmart cities expansion for
- coverage and IOT / IIOT

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#### Mechanical Specifications Radome Material

Size	
Length	16.14 in [409.96 mm]
Width	8.26 in [209.8 mm]
Height	2.51 in [63.75 mm]
Weight	1.85 lbs [839.15 g]

### **Environmental Specifications**

TemperatureOperating Range-40 to +60 deg CWind Loading150 MPH [241.4 KPH]

**Compliance Certifications** (see product page for current document)

### Plotted and Other Data

Notes:

698-4200, 10-11 dBi gain, Log Periodic, Type 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: 698-4200, 10-11 dBi gain, Log Periodic, Type N Female FMANLP1013

URL: https://www.fairviewmicrowave.com/multi-band-antenna-0-dbi-n-female-fmanlp1013-p.aspx

ABS

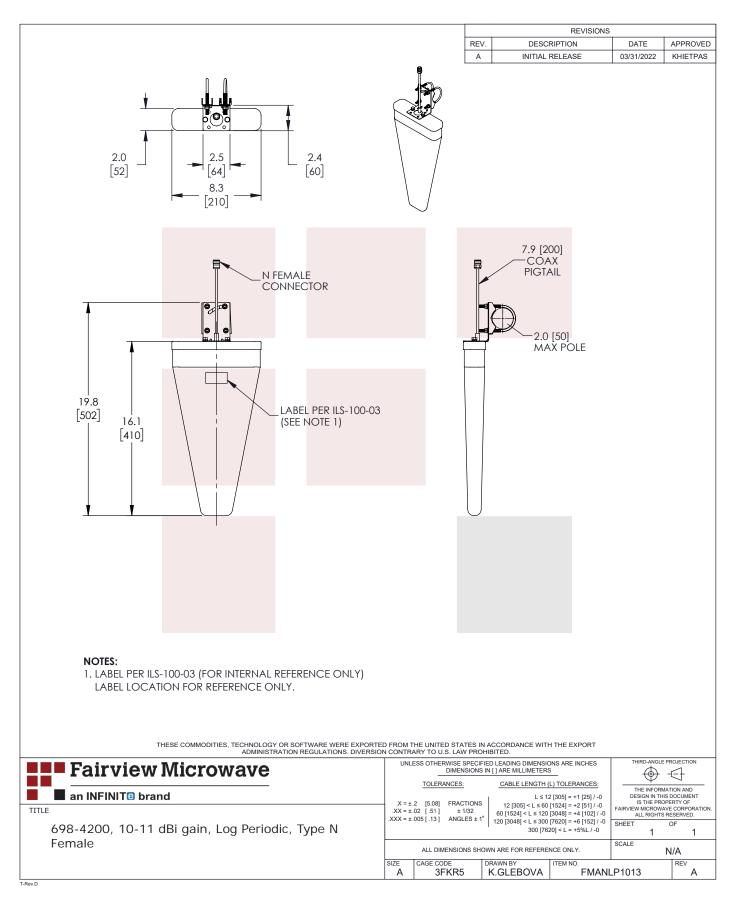
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