

806-2700 MHZ, 9 to 10 dBi gain, Log Periodic, Type N Female, Low PIM

The Log Periodic antenna FMANLP1016 from Fairview Microwave is a high-performance RF component which operates from 806 to 2700 MHz with 10 dBi of gain. FMANLP1016 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 FMANLP1016 is best.

The FMANLP1016 has a 8 inches long pigtail terminated with 1 Type N Female connector. The log periodic FMANLP1016 has 65 vertical beamwidth and 80 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 806 to 2700 MHz log periodic antenna FMANLP1016 antennas has 10 dBi max gain for 5G DAS networks operate in bands n1, n2, n3, n5, n7, n8, n18, n20, n25, n26, n30, n34, n38, n39, n40, n41, n53, n65, n66, n67, n70, n80, n81, n82, n84, 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	9 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	Typ	Max	Units
Frequency Range	806		2,700	MHz
Input VSWR		1.7:1	2:1	
Impedance		50		Ohms
Gain	9		10	dBi
Input Power			100	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.806-0.96	1.71-2.7				GHz
Gain	9	10				dBi
Horiz. Beam Width	80	60				Degrees
Vert. Beam Width	65	50				Degrees
VSWR	2:1	1.7:1				
Max Input Power	100	100				Watts



Features:

- Frequency coverage for 806 MHz to 2700 MHz
- Very High Gain 10 dBi Low PIM 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, M2M applications
- 5G / 4G LTE B1 to B10, B12 to B20, B23, B24, B25, B28 / 3G / GSM / AWS / WLAN 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
Size	
Length	11.6 in [294.64 mm]
Width	8.26 in [209.8 mm]
Height	2.51 in [63.75 mm]
Weight	1.85 lbs [839.15 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C
Wind Loading	150 MPH [241.4 KPH]

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

Plotted and Other Data

Notes:

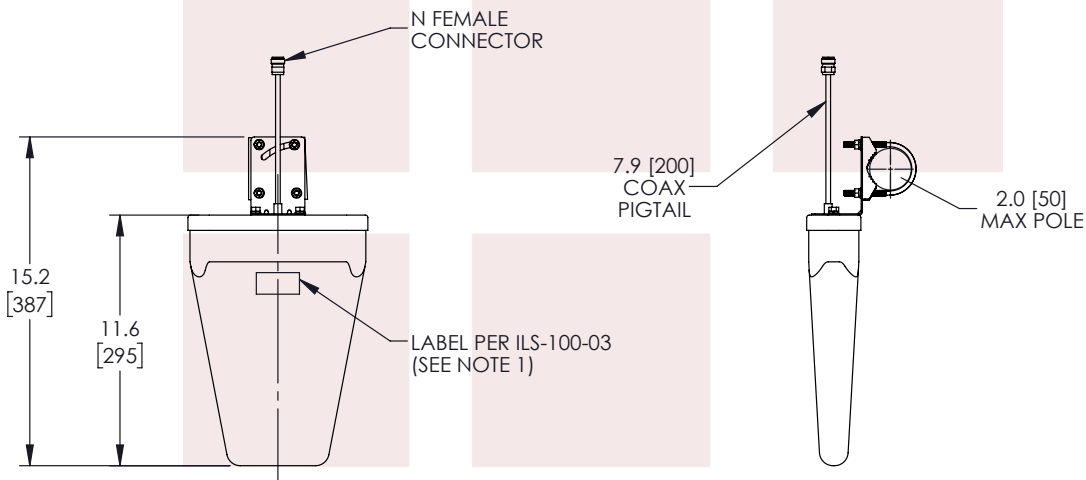
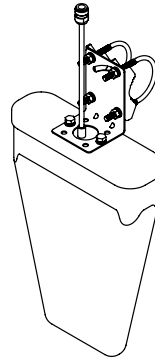
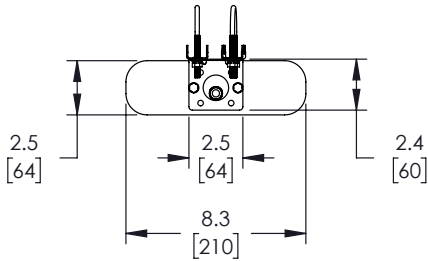
806-2700 MHZ, 9 to 10 dBi gain, Log Periodic, Type N Female, Low PIM from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [806-2700 MHZ, 9 to 10 dBi gain, Log Periodic, Type N Female, Low PIM FMANLP1016](#)

URL: <https://www.fairviewmicrowave.com/multi-band-antenna-0-dbi-n-female-fmanlp1016-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/31/2022	K.HIETPAS



- NOTES:
1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)
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