

5725-5850 MHz, 16 dBi, Gain, V-pol, Type N Female

The Log Periodic antenna FMANLP1011 from Fairview Microwave is a high-performance RF component which operates from 5725 to 5850 MHz with 16 dBi of gain. FMANLP1011 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 FMANLP1011 is best.

The FMANLP1011 has a 9 inches long pigtail terminated with 1 Type N Female connector. The log periodic FMANLP1011 has 19 vertical beamwidth and 19 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 5725 to 5850 MHz log periodic antenna FMANLP1011 antennas has 16 dBi max gain for 5G DAS networks operate in bands n46, n47. 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	16 dBi
Polarization	Vertical
Cable Type	Coax Cable
Cable Length	9.1 in [231.14 mm]
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	5,725		5,850	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain			16	dBi
Front to Back Ratio		18		dB
Input Power			100	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	5.725-5.85					GHz
Gain	16					dBi
Horiz. Beam Width	19					Degrees
Vert. Beam Width	19					Degrees
VSWR	1.5:1					
Max Input Power	100					Watts



Features:

- Frequency coverage for 5725 MHz to 5850 MHz
- Very High Gain 16 dBi Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS radome
- Pigtail – 9 inches
- N-Type Female connector

Applications:

- Point-to-point, NB-IoT, IoT, M2M applications
- 5G / WLAN / Sub-6 GHz operation supported
- 5G Bands supported - n46, n47
- DAS (Distributed Antenna Systems)
- IEEE 802.11a / n / ac / 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	16.5 in [419.1 mm]
Width	1.5 in [38.1 mm]
Height	3.2 in [81.28 mm]
Weight	1 lbs [453.59 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Wind Loading	130.5 MPH [210.02 KPH]

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

Plotted and Other Data

Notes:

5725-5850 MHz, 16 dBi, Gain, V-pol, 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: [5725-5850 MHz, 16 dBi, Gain, V-pol, Type N Female FMANLP1011](#)

URL: <https://www.fairviewmicrowave.com/multi-band-antenna-0-dbi-n-female-fmanlp1011-p.aspx>

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