

5150-5875 MHz, 15 dBi Gain, HV-pol, Log Periodic Antenna, 2 x N Female

The Log Periodic antenna FMANLP1005 from Fairview Microwave is a high-performance RF component which operates from 5150 to 5875 MHz with 15 dBi of gain. FMANLP1005 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 FMANLP1005 is best.

The FMANLP1005 has a 10 inches long pigtail terminated with 2 Type N Female connector. The log periodic FMANLP1005 has 23 vertical beamwidth and 25 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 5150 to 5875 MHz log periodic antenna FMANLP1005 antennas has 15 dBi max gain for 5G DAS networks operate in bands n46. 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	15 dBi
Polarization	Vertical and Horizontal
Cable Type	Coax Cable
Cable Length	9.8 in [248.92 mm]
Connector Type	N Female
Number of Ports	2

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	5,150		5,875	MHz
Input VSWR			1.7:1	
Impedance		50		Ohms
Gain			15	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	5.15-5.875					GHz
Gain	15					dBi
Horiz. Beam Width	25					Degrees
Vert. Beam Width	23					Degrees
VSWR	1.7:1					
Max Input Power	100					Watts



Features:

- Frequency coverage for 5150 MHz to 5875 MHz
- Very High Gain 15 dBi Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS – UV Resistance PVC radome
- Pigtail – 10 inches
- 2 x N-Type Female connector

Applications:

- Point-to-point, NB-IoT, IoT, M2M applications
- 5G / WLAN / Sub-6 GHz operation supported
- 5G Bands Supported - n46
- 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

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Mechanical Specifications

Radome Material	ABS
Size	
Length	15.3 in [388.62 mm]
Width	3.1 in [78.74 mm]
Height	3.1 in [78.74 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

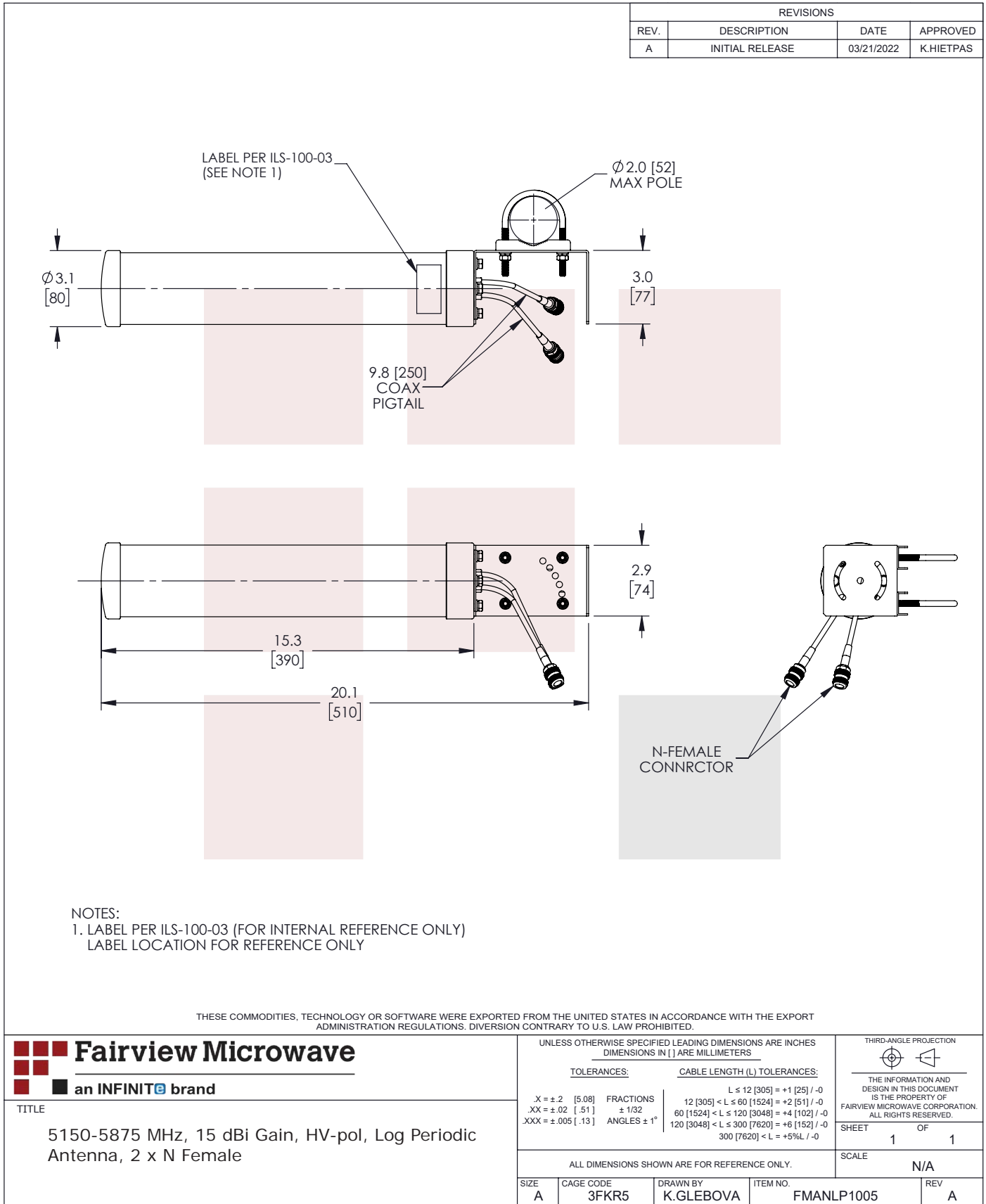
Notes:

5150-5875 MHz, 15 dBi Gain, HV-pol, Log Periodic Antenna, 2 x 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: [5150-5875 MHz, 15 dBi Gain, HV-pol, Log Periodic Antenna, 2 x N Female FMANLP1005](#)

URL: <https://www.fairviewmicrowave.com/multi-band-antenna-0-dbi-n-female-fmanlp1005-p.aspx>

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