

617-960 / 1710-2700 MHz, 10/11 dBi, V-pol, Log Periodic Antenna, N Female Connector

The Log Periodic antenna FMANLP1003 from Fairview Microwave is a high-performance RF component which operates from 617 to 2700 MHz with 11 dBi of gain. FMANLP1003 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 FMANLP1003 is best.

The FMANLP1003 has a 12 Inches long pigtail terminated with 1 Type N Female connector. The log periodic FMANLP1003 has 50 vertical beamwidth and 75 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 617 to 2700 MHz log periodic antenna FMANLP1003 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, n53, n65, n66, n67, n70, n71, 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	RG58/U
Cable Length	11.81 in [299.97 mm]
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	617		2,700	MHz
Input VSWR		1.5:1	2:1	
Impedance		50		Ohms
Gain	10		11	dBi
Input Power			50	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.617-0.698	0.698-0.96	1.71-2.7			GHz
Gain	10	10	11			dBi
Horiz. Beam Width	75	75	60			Degrees
Vert. Beam Width	50	50	40			Degrees
VSWR	2:1	2:1	1.5:1			
Max Input Power	50	50	50			Watts



Features:

- Frequency coverage for 617 MHz to 2700 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 – 12 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	17.5 in [444.5 mm]
Width	1.5 in [38.1 mm]
Height	8 in [203.2 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

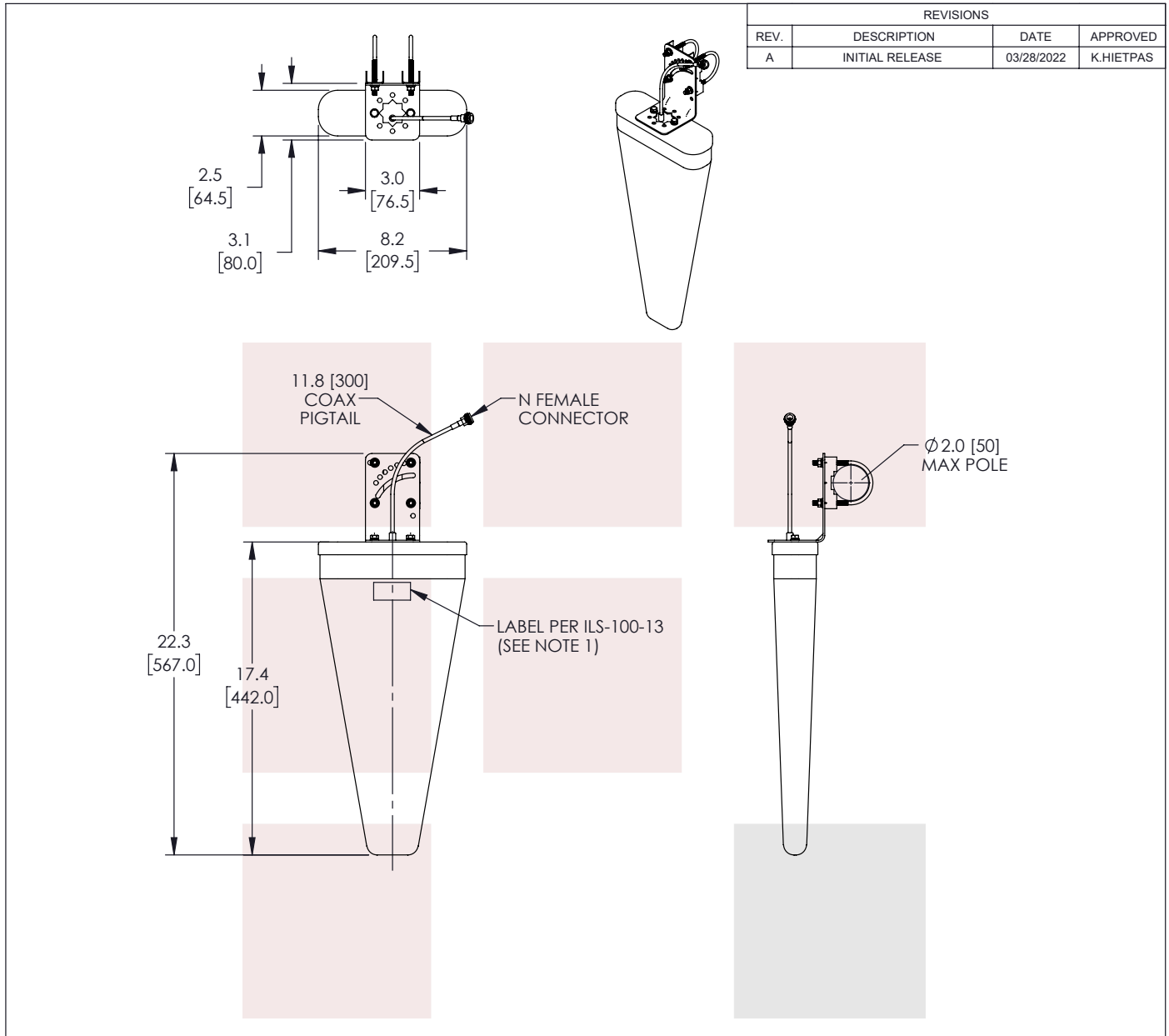
Notes:

617-960 / 1710-2700 MHz, 10/11 dBi, V-pol, Log Periodic Antenna, 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: [617-960 / 1710-2700 MHz, 10/11 dBi, V-pol, Log Periodic Antenna, N Female Connector FMANLP1003](#)

URL: <https://www.fairviewmicrowave.com/multi-band-antenna-0-dbi-n-female-fmanlp1003-p.aspx>

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

- NOTES:**
 1. LABEL PER ILS-100-13 (FOR INTERNAL REFERENCE ONLY)
 LABEL LOCATION FOR REFERENCE ONLY

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<p>Fairview Microwave an INFINIT[®] brand</p>	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		THIRD-ANGLE PROJECTION 	
	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	
TITLE 617-960 / 1710-2700 MHz, 10/11 dBi, V-pol, Log Periodic Antenna, N Female Connector		ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SHEET 1 OF 1 SCALE N/A
SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMANLP1003	REV A

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