



WiFi 6e, 2400-2500/5150-7250 MHz 6 /
6 dBi, 4x4 MIMO Panel, N-Male

FMANFP1079

Features

- N Male Connector
- Outdoor Rated Panel Antenna
- 2 x Vertical + 2 x Horizontal Polarization
- 4x4 MIMO Functionality
- 2.4 GHz, 5 GHz, 6 GHz WiFi Bands
- 6 dBi gain

Applications

- Infotainment systems, Routers, WiFi hotspots, HD video transmission, Gateways, Dash cameras, Public transportation
- WiFi 6e (802.11ax) networks
- Connected cars or self-driving cars, Fleet management, Logistics
- Public Safety Networks
- IoT, Industrial IoT, Zigbee, Bluetooth, WiFi

Description

The FMANFP1079 WiFi 6e 4x4 MIMO Flat Panel Antenna from Fairview Microwave is a high performance directional antenna designed for the 2400 MHz to 7125 MHz bands and is available to ship same day. It features 4 (four) pigtailed terminated with Type N Male connectors for 4x4 MIMO applications. It is a UV protected, outdoor rated antenna with 60 degree horizontal half power beamwidth. The FMANFP1079 is ideally suited for 802.11 protocols including 802.11ax as well as IoT, Zigbee and Bluetooth.

The Fairview Microwave high performance flat panel FMANFP1079 is a rugged antenna providing broad coverage, low latency, increased network capacity and 6 dBi gain. This 4 port N Type Male flat panel directional antenna is suitable for commercial radios and access points in public and private networks and can connect directly to equipment with N Female connectors. Fairview Microwave's FMANFP1079 supports 2.4, 5 and 6 GHz bands.

This WiFi 6e FMANFP1079 60 degree flat panel antenna with 4 N Type Male connectors, as well as our wide selection of superior quality RF parts, ships same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Fairview Microwave products.

Configuration

Design	Flat Panel
Band Type	Dual
Radiation Pattern	Directional
Polarization	Vertical and Horizontal
Cable Type	RG58
Connector Type	N Male
Number of Ports	4

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		7,250	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Port to Port Isolation	28			dB
Input Power			50	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency	2.4 to 2.5	5.15 to 7.25				GHz

WiFi 6e, 2400-2500/5150-7250 MHz 6 /
6 dBi, 4x4 MIMO Panel, N-Male



FMANFP1079

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Gain	6	6				dBi
Horizontal HPBW	65	55				Degrees
Vertical HPBW	65	60				Degrees
Front to Back Ratio	20	20				

Mechanical Specifications

Radome Material	UV Resistant ABS
Size	
Length	0 in [0 mm]
Width	0 in [0 mm]
Height	0 in [0 mm]
Mounting Mast Diameter	1.57 to 2.36 in [39.88 to 59.94 mm]
Weight	4.62 lbs [2.1 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +70 deg C
Wind Survivability	124 MPH [199.56 KPH]
Humidity	5 to 95 %

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

Plotted and Other Data

Notes:

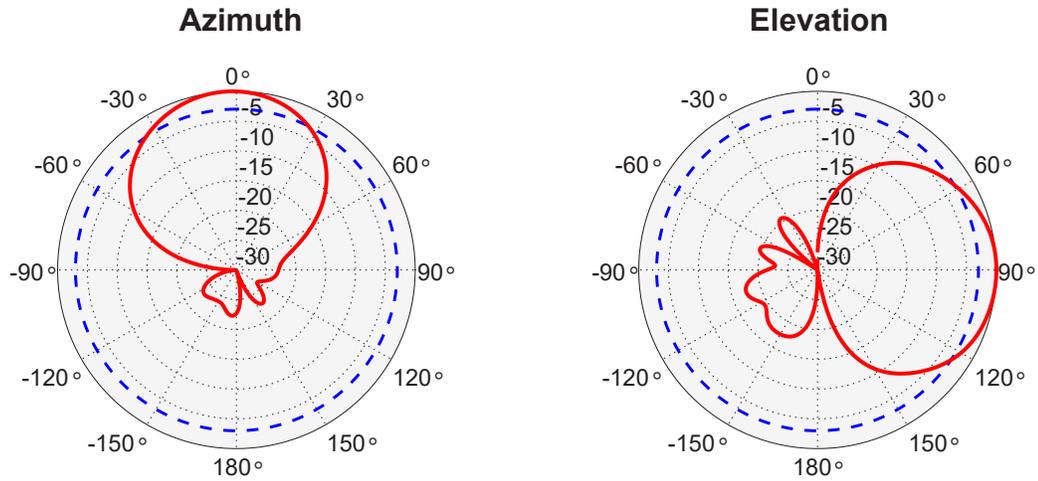
WiFi 6e, 2400-2500/5150-7250 MHz 6 /
6 dBi, 4x4 MIMO Panel, N-Male



FMANFP1079

Typical Radiation Pattern

Radiation Patterns of 2450 MHz

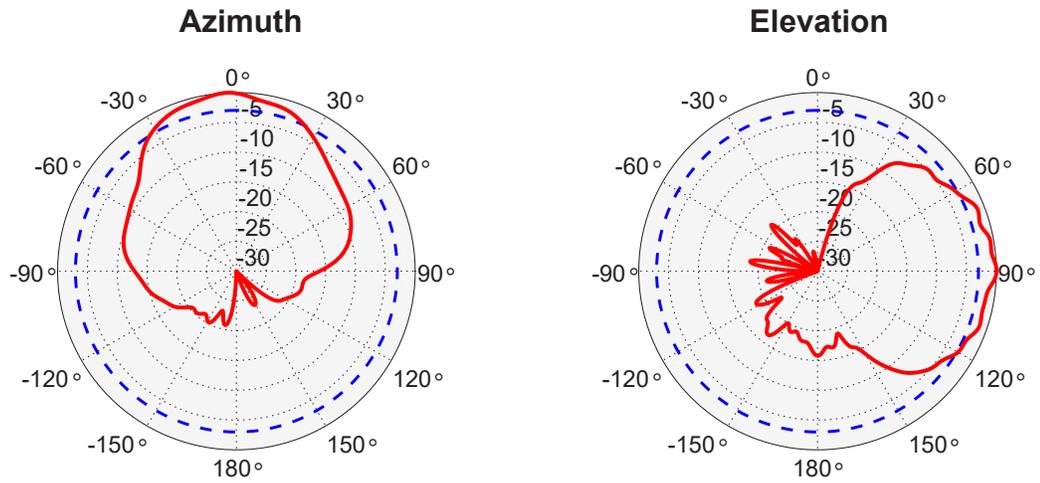


WiFi 6e, 2400-2500/5150-7250 MHz 6 /
6 dBi, 4x4 MIMO Panel, N-Male

FMANFP1079



Radiation Patterns of 5550 MHz

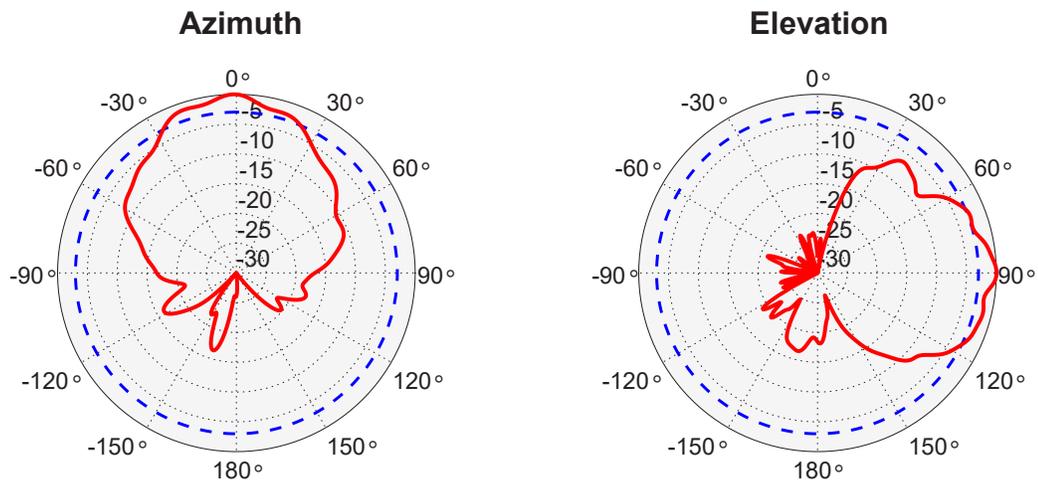


WiFi 6e, 2400-2500/5150-7250 MHz 6 /
6 dBi, 4x4 MIMO Panel, N-Male

FMANFP1079



Radiation Patterns of 7125 MHz



WiFi 6e, 2400-2500/5150-7250 MHz 6 /
6 dBi, 4x4 MIMO Panel, N-Male

FMANFP1079



Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

WiFi 6e, 2400-2500/5150-7250 MHz 6 / 6 dBi, 4x4 MIMO Panel, N-Male 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.

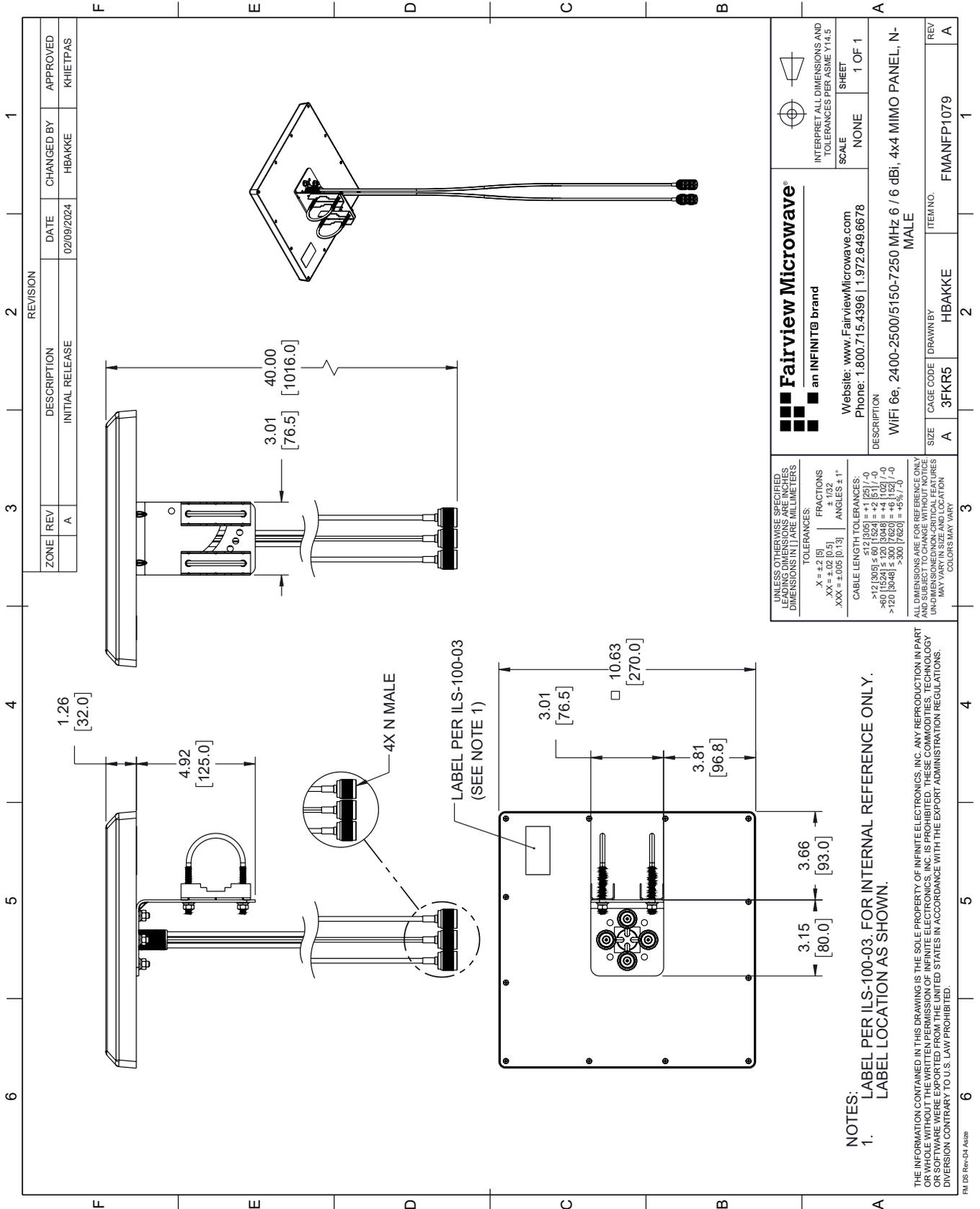
For additional information on this product, please click the following link: [WiFi 6e, 2400-2500/5150-7250 MHz 6 / 6 dBi, 4x4 MIMO Panel, N-Male FMANFP1079](#)

URL: <https://www.fairviewmicrowave.com/product/antennas/dbi-dualband-mimo-flat-panel-antenna-2400-7250-mhz-n-type-connector-fmanfp1079.html>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMANFP1079 CAD Drawing

WiFi 6e, 2400-2500/5150-7250 MHz 6 / 6 dBi, 4x4 MIMO Panel, N-Male



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL RELEASE	
	A			KHIE/TPAS

Fairview Microwave®
an INFINIT® brand

Website: www.FairviewMicrowave.com
Phone: 1.800.715.4396 | 1.972.649.6678

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]
 FRACTIONS ± 1/32
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 >12 [305] ≤ 60 [1524] = ±1 [25] / -0
 >60 [1524] ≤ 120 [3048] = ±4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
SHEET: 1 OF 1

DESCRIPTION	SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
WiFi 6e, 2400-2500/5150-7250 MHz 6 / 6 dBi, 4x4 MIMO PANEL, N-MALE	A	3FKR5	HBAKKE	FMANFP1079	A

NOTES:
 1. LABEL PER ILS-100-03, FOR INTERNAL REFERENCE ONLY. LABEL LOCATION AS SHOWN.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVISION CONTRARY TO U.S. LAW PROHIBITED.

FM DS Rev-D4 Alt2b