

902 to 928 MHz, RFID Flat Panel Antenna, 3 dBi Gain RP TNC male, EVA Radome, RHCP

Fairview Microwave's FMANFP1024 is a Directional RFID flat panel RHCP antenna. The FMANFP1024 with a 3 dBi gain nominal is a Directional antenna. Our 902-928 MHz RP TNC male connector, flat panel antenna has a gain of 3 dBi.

With an impedance of 50 Ohms and max input power of 20 Watts, the FMANFP1024 RFID flat panel is well suited for Radio Frequency Identification tag reading applications. Contact Fairview Microwave's antenna experts for any assistance on 902-928 MHz, 3 dBi RP TNC male connector antennas. This 3 dBi gain RFID antenna is highly directional providing the reader radio the capabilities of simultaneously reading a multitude of RFID tags with a high degree of accuracy.

Fairview's RFID FMANFP1024 has a radome made of EVA in Black color and comes from a facility certified to ISO 9001:2015.

This Reverse Polarity TNC connectized Antenna has an overall length of 11 in, width of 10 in, and weighs 0.4629 lbs. Use our on-line ordering system to purchase your FMANFP1024 RFID Directional RHCP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Design	Flat Panel
Gain	3
Polarization	RHCP
Cable Type	RG316
Connector Type	TNC Male Reverse Polarity
Lightning Protection	DC Grounded

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	902		928	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		3		dBi
Front to Back Ratio		20		dB
Horizontal (Azimuth) Beam Width		50		Degrees
Vertical (Elevation) Beam Width		62		Degrees
Input Power			20	Watts

Mechanical Specifications

Radome Material	EVA
Size	
Length	11 in [279.4 mm]
Width	10 in [254 mm]
Height	0.19 in [4.83 mm]
Weight	0.5 lbs [226.8 g]

Environmental Specifications

Temperature	
Operating Range	-20 to +65 deg C



Features:

- High Performance Multi-tag read/write Capabilities
- Lightweight, Concealable Design
- Right Hand Circular Polarized
- 902 to 928 MHz Frequency Range
- 2 Meter Cable
- RP TNC Male Connector

Applications:

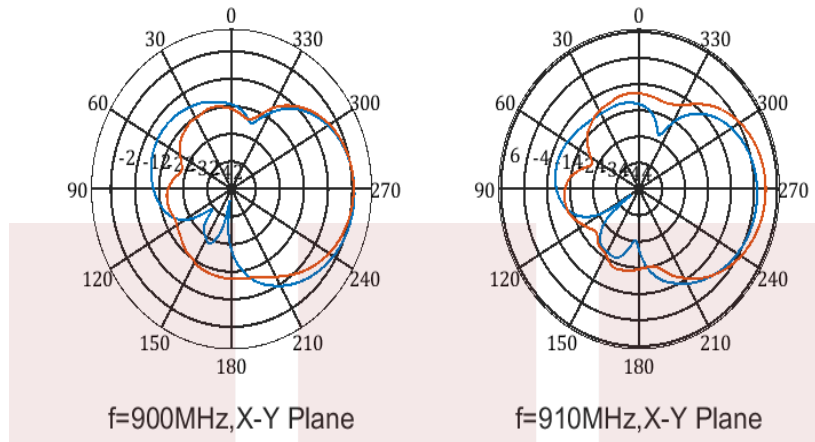
- Radio Frequency Identification
- Inventory Management
- Access Control
- Data Collection
- Asset Tracking
- Livestock Management

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

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

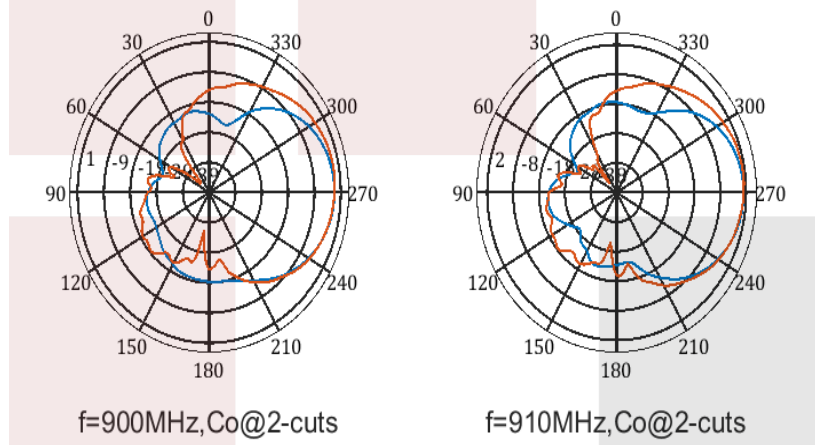
Plotted and Other Data

Notes:



2D Pattern: Co@2-cuts

2D Pattern: Co@2-cuts



2D Pattern: @phi=90(Vertical)

2D Pattern: @phi=90(Vertical)

n

n

902 to 928 MHz, RFID Flat Panel Antenna, 3 dBi Gain RP TNC male, EVA Radome, RHCP 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.

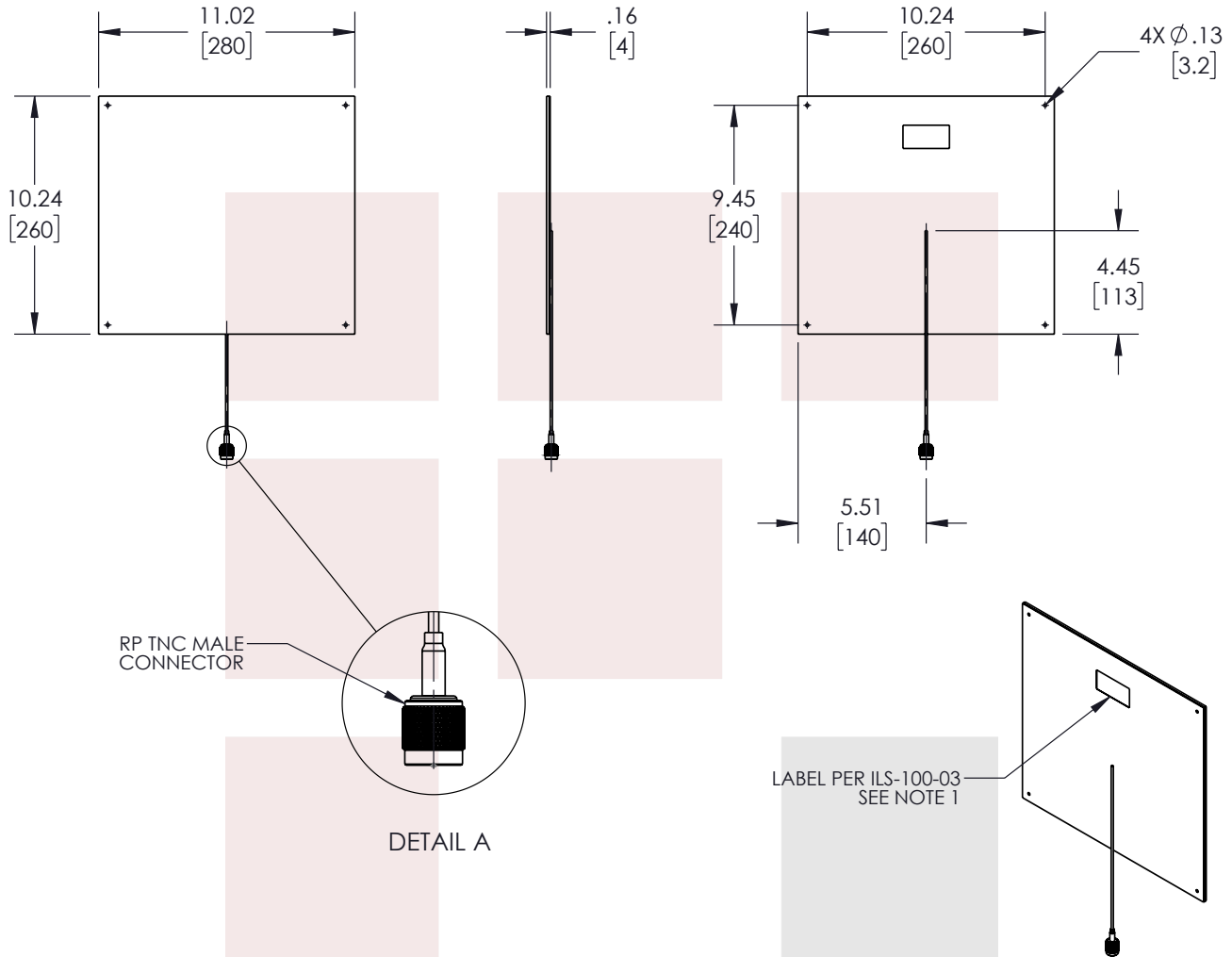
For additional information on this product, please click the following link: [902 to 928 MHz, RFID Flat Panel Antenna, 3 dBi Gain RP TNC male, EVA Radome, RHCP FMANFP1024](#)

URL: <https://www.fairviewmicrowave.com/3-dbi-flat-panel-antenna-902-928-mhz-tnc-connector-fmanfp1024-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/19/22	KHIETPAS



NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL USE ONLY). LABEL LOCATION SHOWN IS FOR REFERENCE ONLY.

REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

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TITLE

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RP TNC male, EVA Radome, RHCP

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

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY VTHANGARAJ	ITEM NO. FMANFP1024	REV A
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T-Rev.D