

4 Cellular, 2 Wi-Fi, 1 GPS Combination Antenna
4 SMA, 2 RP SMA, 1 SMA Connector White
Description

The Fairview Microwave FMANOM1105 is a 7-in-1 combination antenna designed for public safety, emergency services, mobile base stations, autonomous vehicles, fleet management, smart cities, smart utilities, or industrial IoT applications. This vertically polarized omnidirectional antenna has SMA male and RPSMA male connectors with 17 feet cable leads. Our high-quality mobile antenna with 7 ports has a typical input VSWR of 2:1.

The IoT combination antenna from Fairview Microwave has an overall length of 7 inches, width of 7 inches, and weight of 4 lbs. This FMANOM1105 mobile antenna is IP69K-rated and has a black-colored radome made of UV-stabilized ABS. The 4 cellular, 2 Wi-Fi, 1 GPS combination antenna has an impedance of 50 Ohms and a maximum input power of 10 Watts.

Our vertically polarized mobile antenna can operate at temperatures ranging from -40 to 70 degrees C. This MIMO-capable IoT antenna features four 4G/5G, two 2.4/5 GHz, and one L1/G1 GPS band elements in one radome. Emergency services, first responders, and fleets can rely on our 7-in-1 combination antenna to maintain a secure link between vehicles and dispatch centers.

Configuration

Design	Mobile
Gain	26
Polarization	Vertical
Connector Type	SMA Male
Interface 2	SMA Male Reverse Polarity
Number of Ports	7

Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR		2:1		
Impedance		50		Ohms
Gain		26		dBi
Input Power			10	Watts


Features:

- 5 x Cellular 4G/5G SMA Male
- 2 x Wi-Fi 2.4 GHz / 5 GHz RPSMA Male
- 1 x GPS L1 / G1 SMA Male
- MIMO Capable
- 17 ft Cable Leads
- Indoor/Outdoor IP69K Rated
- UV Stabilized White ABS

Applications:

- Public Safety
- Emergency Services
- Mobile Base Stations
- Autonomous Vehicles
- Fleet Management
- Smart Cities
- Smart Utilities
- Industrial IoT

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

Cellular Specifications					
Frequency Range	617 - 960	1690 - 2700	3300 - 4200	4900 - 6000	MHz
Peak Gain	4	6	7	8	dBi
Port Count	4				
Cable Type	RG58				
Cable Length	17 [5]				
Connector Type	SMA Male				

Wi-Fi Specifications					
Frequency Range	2400 - 2500		4900 - 6000		MHz
Peak Gain	5		6		dBi
Port Count	2				
Cable Type	RG58				
Cable Length	17 [5]				
Connector Type	RPSMA Male				

GPS Specifications					
Frequency Range	1562 - 1612				MHz
VSWR	<2.0:1 ± 4 MHz				
LNA Gain	26				
Out of band rejection	>40 dB (@ > +/- 100 MHz)				
Typical Noise Figure	≤ 2.7				
Notch Filter rejection @787MHz	24				dB
Operating Voltage	3 - 5				VDC
Typical Current	15				mA
Cable Type / Length	RG174 / 17 ft [5 m]				
Connector Type	SMA Male				

Mechanical Specifications

Radome Material	UV Stabilized ABS
Size	
Length	7 in [177.8 mm]
Width	7 in [177.8 mm]
Height	3.15 in [80.01 mm]
Weight	4 lbs [1.81 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +70 deg C
Ingress Protection	IP69K

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

Plotted and Other Data

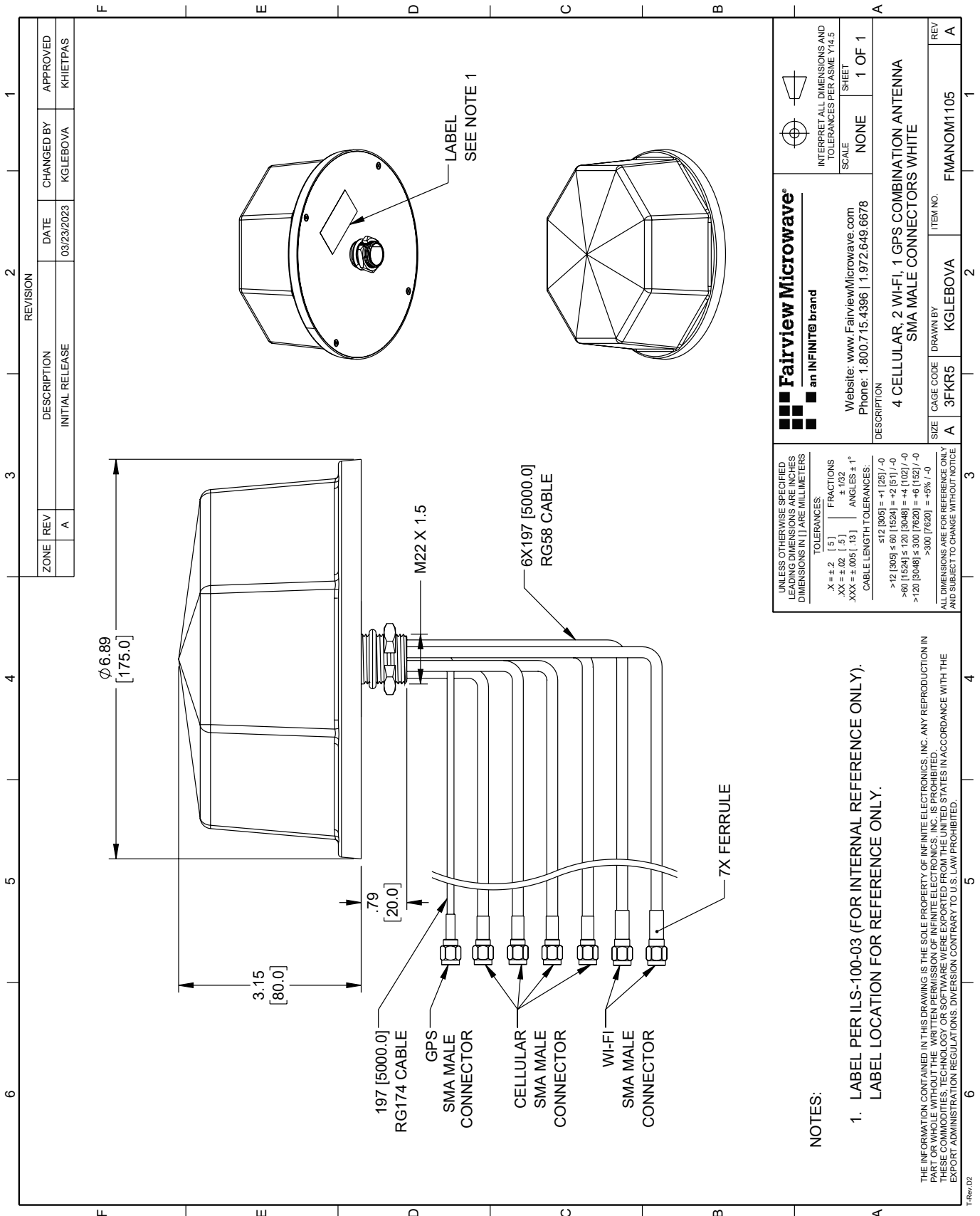
Notes:

4 Cellular, 2 Wi-Fi, 1 GPS Combination Antenna 4 SMA, 2 RP SMA, 1 SMA Connector White 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: [4 Cellular, 2 Wi-Fi, 1 GPS Combination Antenna 4 SMA, 2 RP SMA, 1 SMA Connector White FMANOM1105](#)

URL: <https://www.fairviewmicrowave.com/26-dbi-band-mobile-antenna-sma-connector-fmanom1105-p.aspx>

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<p>Fairview Microwave an INFINIT[®] brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: 4 CELLULAR, 2 WI-FI, 1 GPS COMBINATION ANTENNA SMA MALE CONNECTORS WHITE</p>		
SIZE: A	CAGE CODE: 3FKR5	ITEM NO.: FMANOM1105
DRAWN BY: KGLEBOVA		REV: A

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

TOLERANCES:

.X ± .2	[5]	FRACTIONS
.XX ± .02	[.5]	± 1/32
.XXX ± .005	[.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤ 12 [305]	± .125 [-0
> 12 [305] ≤ 60 [1524]	± .25 [-0
> 60 [1524] ≤ 120 [3048]	± .5 [-0
> 120 [3048] ≤ 300 [7620]	± 1.0 [-0
> 300 [7620]	± 2.0 [-0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTES:

- LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY). LABEL LOCATION FOR REFERENCE ONLY.

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