

**31 dBi Active GPS/GLONASS Magnet Mount Antenna
 RHCP 1575/1602 MHz, RG174 SMA Male IPX6**

Fairview Microwave's Active GNSS Antenna FMANGPS1010 is Right Hand Circular Polarized with an integrated Neodymium Rare Earth Magnet for a secure mount. The FMANGPS1010 is an active GPS L1 and GLONASS G1 band antenna with 31 dBi Gain. These Magnet Mount active GNSS antenna units are ideally suited for use on vehicles where low profile, low drag, non-penetrating style antennas are needed.

Our GNSS antenna specialists are ready and available to answer any questions you may have on the FMANGPS1010. This high quality SMA male antenna meets GPS L1 and GLONASS G1 requirements by operating in the 1574 MHz to 1607 MHz frequency range.

The FMANGPS1010 GNSS antenna series from Fairview Microwave are designed for mobile, vehicle, or fleet services to receive GNSS signals from satellite constellations to triangulate geolocations for navigation, tracking, and surveying.

Configuration

Design	GPS Active
Gain	31
Polarization	RHCP
Cable Type	RG174
Connector Type	SMA Male
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	1,574		1,607	MHz
Input VSWR			1.5:1	
Output VSWR			2:1	
Impedance		50		Ohms
Gain		31		dBi
Gain Variation		±5		dBi
Out Of Band Rejection	30			dB
Operating DC Voltage	3		5	Volts
Current	5.5	8.5	11.5	mA

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	1.574-1.577	1.597-1.607				GHz

Mechanical Specifications

Size	
Length	1.5 in [38.1 mm]
Width	1.3 in [33.02 mm]
Height	0.5 in [12.7 mm]
Weight	0.2 lbs [90.72 g]

Environmental Specifications

Ingress Protection	IPX6
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Features:

- SMA Male
- Right Hand Circular Polarized
- 28 dB LNA w/ low 1.5 dB Noise Figure
- Neodymium Rare-Earth Magnet
- IPX6 Rated

Applications:

- GPS L1/GLONASS G1
- High Accuracy Global Positioning
- Precision Agriculture, Mining and Construction
- Law Enforcement and Public Safety
- Vehicle Fleet Management

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

Plotted and Other Data

Notes:

31 dBi Active GPS/GLONASS Magnet Mount Antenna RHCP 1575/1602 MHz, RG174 SMA Male IPX6 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: [31 dBi Active GPS/GLONASS Magnet Mount Antenna RHCP 1575/1602 MHz, RG174 SMA Male IPX6 FMANGPS1010](#)

URL: <https://www.fairviewmicrowave.com/gps-active-antenna-1.574-to-1.607-ghz-31-dbi-gain-sma-male-connector-rh-cp-fmangps1010-p.aspx>

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