



RSGx-4G/5G-3-NF

Low Profile Antenna

he RFMax RSGB is a heavy-duty, high-performance, vandal proof cellular antenna from RFMAX. This low profile, nmo mount antenna is primarily used for cellular machine to machine (M2M) communications across the 3G/4G/LTE/5G bands of 617-960/1695-7125 MHz. IP67 rated for outdoor use, and perfect for vehicular applications when mounting to a cars, trucks or vans which allows it to connect easily to the Verizon, AT&T, T-Mobile, Sprint(1900 MHz - band 25, 2500 MHz - band 41, band 42, band 71 and 850 MHz), Rogers, and Telus networks.

- Wifi 6E 4G/5G FR1
- 4G/5G (LTE) Dual Band WiFi Support
- Includes Band 71 (617-698 MHz) and CBRS bands
 42 and 48 (3.4-3.7 Ghz)
- Utility boxes, smart metering, IOT devices
- With Permanent N-Female Connector
- · Available in black or white

Applications: CBRS Bands 42 and 48 (3.4-3.7 GHz), Utility boxes, Smart metering, IoT Devices.







WIFI LTE



5G

Part Numbers Configurator:

RSG B/W 4G/5G 3 NF

Model Color (Black/ Frequency Gain Mount NF/ NMO



ELECTRICAL DATA

Antenna Type	Multiband Monopole
Frequency	617-960/1695-7125 MHz
Nominal Impedance	50
VSWR (617-960/1695-7125)	3:1/2.5:1
Average peak gain (617-960/1695-7125)	2/4 dBi
Average efficiency (617-960/1695-7215)	80/65 %
Radiation Pattern	Omni
HPBW Vertical Plane (617-960/1695-7125)	65/40°
Polarization	Vertical

MECHANICAL DATA

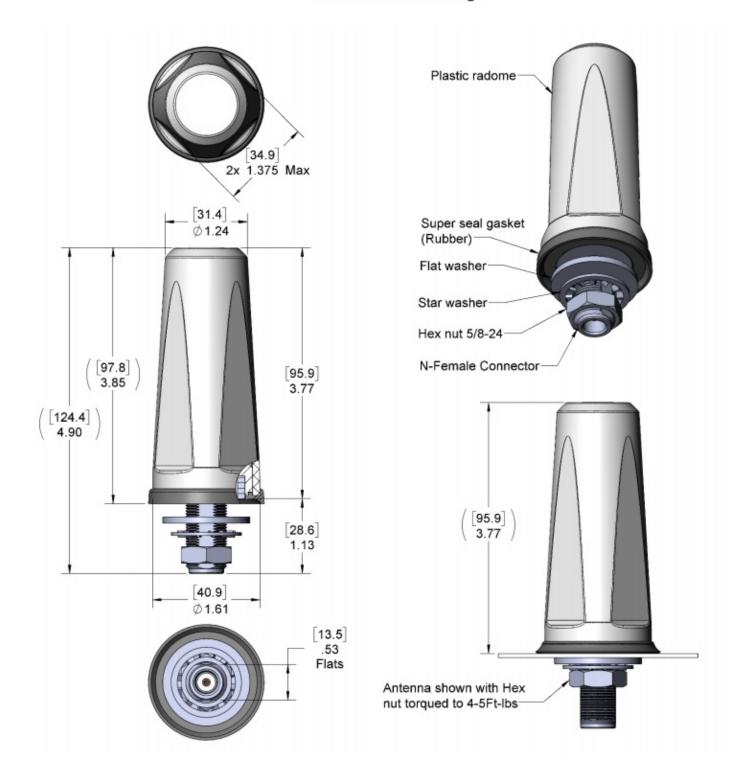
Diameter/height	1.61"/3.77" (40.9/95.9mm)
Weight	.36lbs (163g)
Antenna Color/Material	Black or White / PET+PC
	3:1/2.5:1
Average peak gain (617-960/1695-7125)	2/4 dBi
Average efficiency (617-960/1695-7215)	80/65 %
Radiation Pattern	Omni
HPBW Vertical Plane (617-960/1695-7125)	65/40°
Polarization	Vertical
Average Power rating	45 W

ENVIRONMENTAL DATA

Operating Temperature	-40° to +85° C
Storage Temperature	-40° to 85° C
Ingress Protection	IP66 and IP67
RoHS-6	YES
Average peak gain (617-960/1695-7125)	2/4 dBi

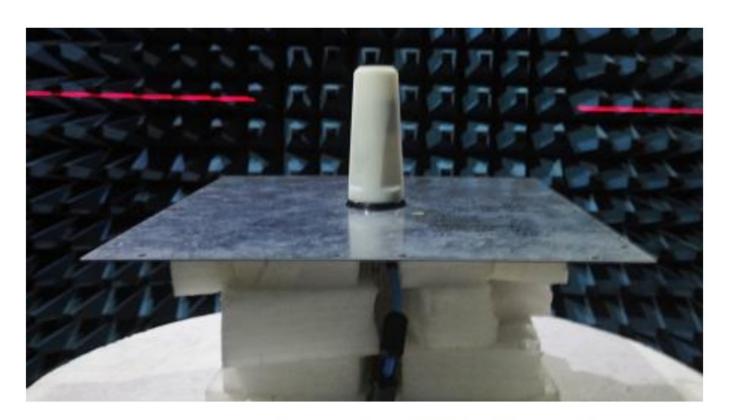


Mechanical Drawing



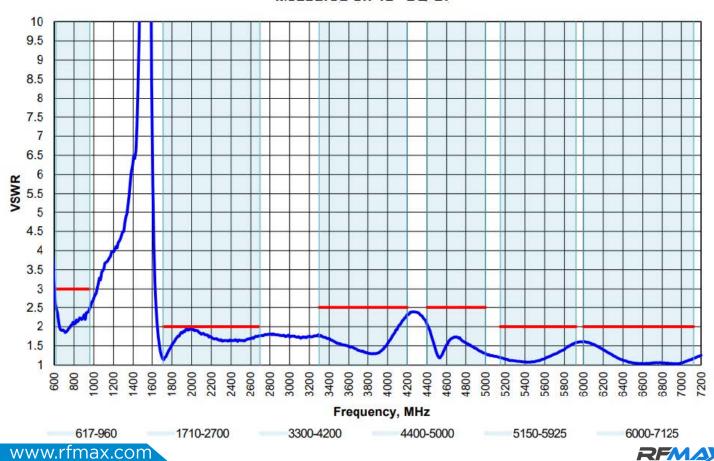
Dimensions: Inches (mm)
Unless otherwise specified, all tolerances are ±.010 (0.25mm)





antenna sample measured on 12" (305mm) SQ ground plane.





Peak Gain vs Frequency Measured on 12" SQ GP



Efficiency vs Frequency Measured on 12" SQ GP

