



### **Description**

Maxtena's MEA-3-GGL GPS/GLONASS & 2G/3G LTE solution is a high performance antenna in one compact and secure housing. It covers GPS/GLONASS (1575-1610 MHz) and LTE (2300-2690 MHz). The MEA-3-GGL is an adhesive mount antenna with rugged ABC plastic housing and is ideal for the most demanding environment challenges. The standard MEA-3-GGL comes with 1 meters RG174 cable and SMA connectors for both GPS/GLONASS cables. Cable and connectors are customizable upon re-quest. The MEA-3-GGL provides outstanding performance for any telematics, remote monitoring, and fleet management application.

#### **Features**

- Low power consumption
- RoHS compliant
- · Low noise figure
- Customer cable length and connector
- IPX65 Waterproof

### **Applications**

- Fleet management
- Telematics
- Monitoring

GNSS Antenna Electrical Specifications		
Frequency Range (MHz)	1575.42 / 1602 MHz	
VSWR	2.0 : 1 Max	
Impedance	50 Ω	
Polarization	Linear	
Gain @ Zenith	3.0 dBi Typ. @ 1575.42 MHz / 3.5 dBi Typ. @ 1602 MHz	

LNA Antenna Electrical Specifications		
Frequency Range (MHz)	1575.42 / 1602 MHz	
VSWR	2.0 : 1 Max	
Impedance	50 Ω	
Antenna Gain (@ 3.3V)	28 dB Typ. / 25 dB Min	
DC Power Input	3~5 V	
Noise Figure	2.5 dB Typ.	
Power Consumption (@ 3.3V)	9 Typ. mA	

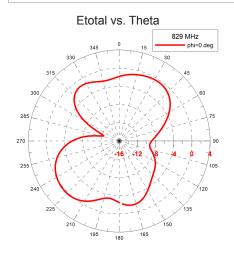
LTE Antenna Electrical Specifications		
Frequency Range (MHz)	698~960 / 1710~2170 / 2300~2690 MHz	
VSWR	698~960 MHz ≤ 5.5 1710~2170 / 2300~2690 MHz ≤ 4.0	
Impedance	50 Ω	
Peak Gain	1.5 dBi Typ. @ 698~960 MHz 0.5 dBi Typ. @ 1710~2170 MHz 0.5 dBi Typ. @ 2300~2690 MHz	
Average Efficiency	698~960 MHz ≥ 25% 1710~2170 / 2300~2690 MHz ≥ 30%	

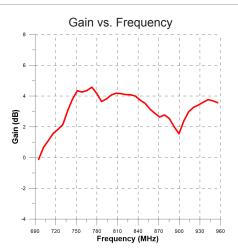


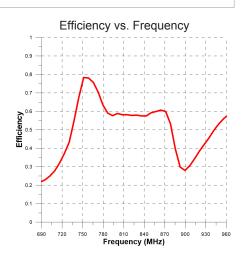
Mechanical Specifications	
Antenna Dimensions (mm)	(L) 55 x (W) 55 x (H) 20 mm
Mounting Function	Foam Adhesive
Operating Temperature	-40 °C +85 °C
Housing Material & Color	PC & Black
Cable	GPS/GLONASS (RG-174) LTE (CFD-200)
Cable Length	1 Meter or customer specification
Connector	SMA / FAKRA or customer specification
Waterproof	IPX65

## Radiation Specifications

698~960 MHz

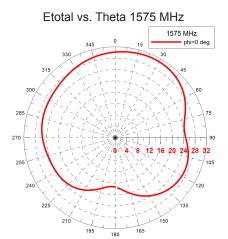


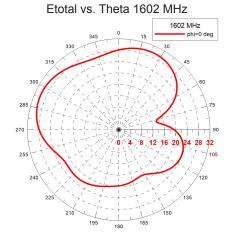


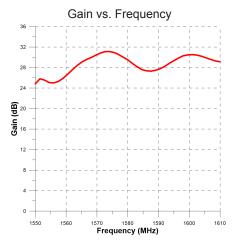


# Radiation Specifications

1550~1610 MHz



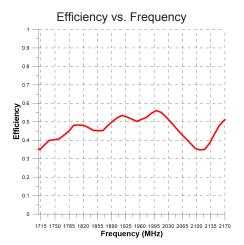


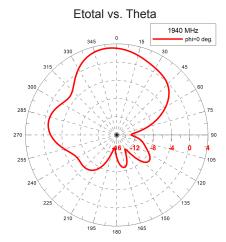


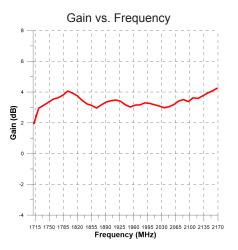


## **Radiation Specifications**

# 1710~2170 MHz







## **Radiation Specifications**

### 2300~2690 MHz

