

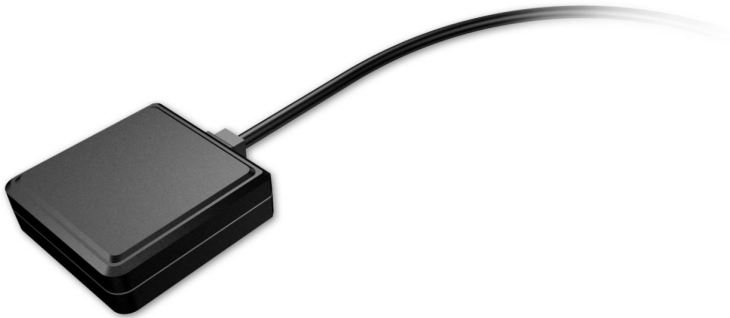
MEA-GGL

Description

The MEA-GGL is a high performance antenna designed for the GPS/ GLONASS and LTE frequency range. The antenna is built on proprietary Maxtena Technology.

This technology provides exceptional pattern control, polarization purity and high efficiency in a very compact form factor.

The MEA-GGL is an adhesive mount, featuring customizable cable and connector options.



Features

- Low Power
- Superb pattern
- IP66 and RoHS compliant
- Custom Connectors

Applications

- Vehicle and fleet tracking
- Military & security
- Asset tracking
- IOT
- Oil & gas industries
- Navigation devices
- Mining equipment
- LBS & M2M applications
- Law enforcement

GPS – GLONASS – LTE

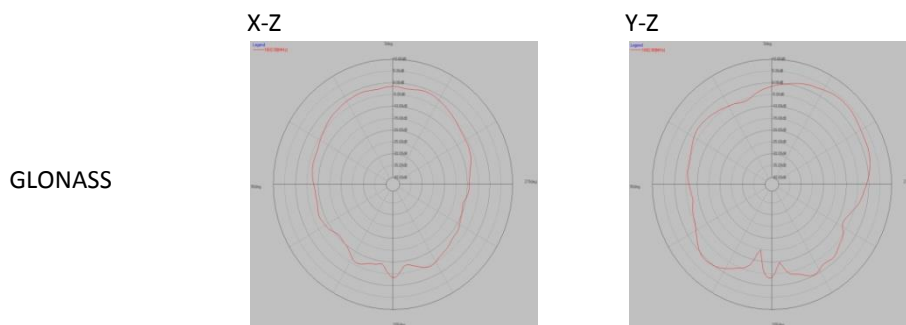
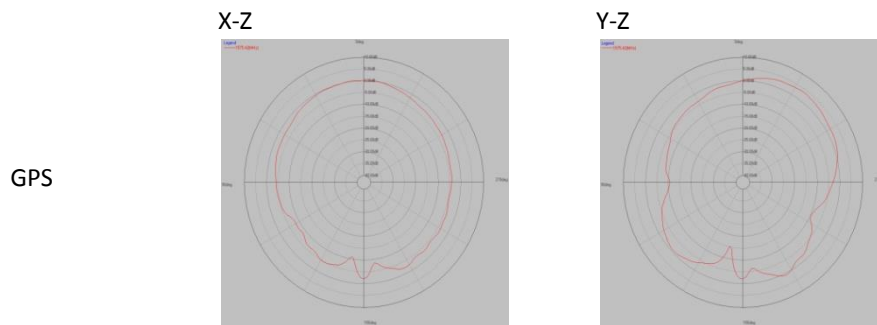
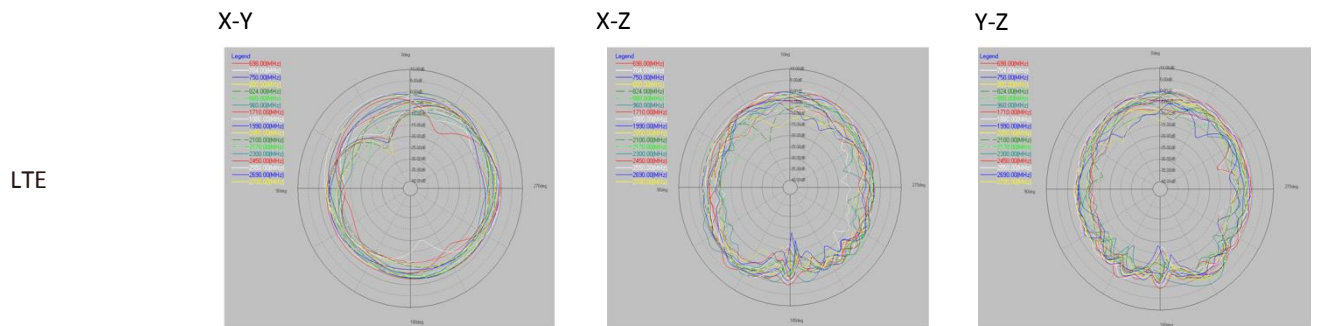
Electrical Specification

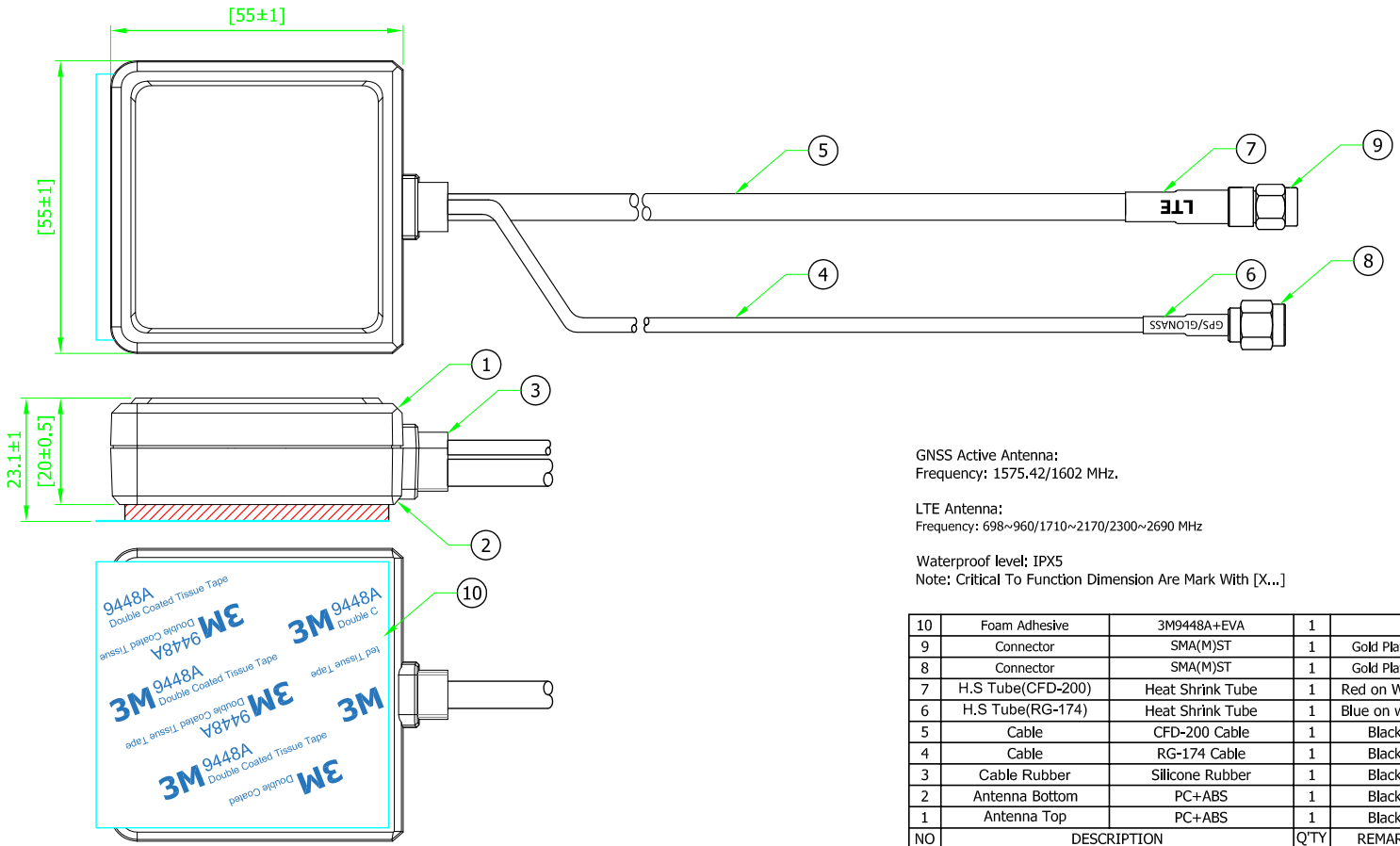
GNSS Antenna Electrical	
Frequency Range (MHz)	1575.42 / 1602 MHz
VSWR	2.0 : 1 Max.
Impedance	50 Ω
Polarization	Linear
Gain@ Zenith	3.0 dBi Typ. @1575 MHz 3.5 dBi Typ. @1602 MHz
LNA Electrical Properties	
Frequency Range (MHz)	1575.42 / 1602 MHz
VSWR	2.0 : 1 Max.
Impedance	50 Ω
Antenna Gain (@3.3V)	28 dB Typ. / 25 dB Min.
DC Power Input	3~5 V
Noise Figure	2.5 dB Typ.
Power Consumption (@3.3V)	9 mA Typ.
LTE Antenna Electrical	
Frequency Range (MHz)	698~960 / 1710~2170 / 2300~2690 MHz
VSWR	698~960 MHz \leq 5.5 1710~2170 / 2300~2690 MHz \leq 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 \geq 25% 1710~2170 / 2300~2690 MHz \geq 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	1M
Connector	SMA / FAKRA or your specification
Waterproof	IPX5

Patterns





GNSS Active Antenna:
Frequency: 1575.42/1602 MHz.

LTE Antenna:
Frequency: 698~960/1710~2170/2300~2690 MHz

Waterproof level: IPX5
Note: Critical To Function Dimension Are Mark With [X...]

NO	DESCRIPTION	Q'TY	REMARK
10	Foam Adhesive	3M9448A+EVA	1
9	Connector	SMA(M)ST	1 Gold Plated
8	Connector	SMA(M)ST	1 Gold Plated
7	H.S Tube(CFD-200)	Heat Shrink Tube	1 Red on White
6	H.S Tube(RG-174)	Heat Shrink Tube	1 Blue on white
5	Cable	CFD-200 Cable	1 Black
4	Cable	RG-174 Cable	1 Black
3	Cable Rubber	Silicone Rubber	1 Black
2	Antenna Bottom	PC+ABS	1 Black
1	Antenna Top	PC+ABS	1 Black

Dimintions in mm.