

MEA-GNSS-LTE

2 IN 1 LTE/GNSS ANTENNA

Ordering Part #: 100-00103-01



The MEA-GNSS-LTE is a 2 in 1 low profile antenna solution by Maxtena that combines GNSS and LTE antennas in one. Our low profile 2 in 1 solution is ideal for asset tracking, industrial and IOT applications. This antenna offers a ultra low profile rugged IP67 rated design with easy mounting and customizable cables and connector options. The small size make this antenna a desirable solution for covert installations.

GPS-GLONASS Antenna Electrical Specifications

Frequency Range (MHz)	1575.42 / 1602 MHz
VSWR	2.0 : 1 Max
Impedance	50 Ohm
Polarization	Linear
Gain @ Zenith	1 dBi Typ. @ 1575 MHz 1 dBi Typ. @ 1602 MHz

LNA Electrical Properties

Frequency Range (MHz)	1575.42 / 1602 MHz
VSWR	2.0 : 1 Max
Impedance	50 Ohm
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 Specifications

Frequency Range (MHz)	698~960 / 1710~2170 / 2300~2690 MHz
VSWR	698~960 MHz \leq 3.7 1710~2170 MHz \leq 3.5 2300~2690 MHz \leq 3.0
Impedance	50 Ohm
Peak Gain	1.0 dBi Typ. @ 698~960 MHz 2.0 dBi Typ. @ 1710~2170 MHz 2.0 dBi Typ. @ 2300~2690 MHz
Average Efficiency	698~960 MHz \geq 28% 1710~2170 MHz \geq 30% 2300~2690 MHz \geq 30%

Mechanical Specifications

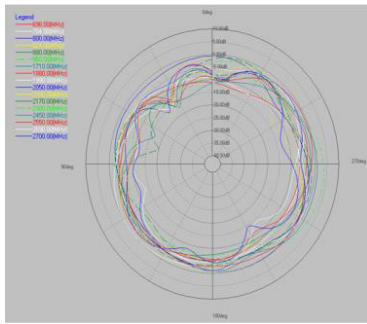
Antenna Dimensions (mm)	Diameter 51.4 x (h) 11.7 mm
Mounting Function	Foam Adhesive
Operating Temperature	-40 °C + 85 °C
Housing Material & Color	PC & Black
Cable	RG-174
Cable Length	1 Meter
Connector	SMA / FAKRA or customer specification
Waterproof	IPX5

Radiation Specifications

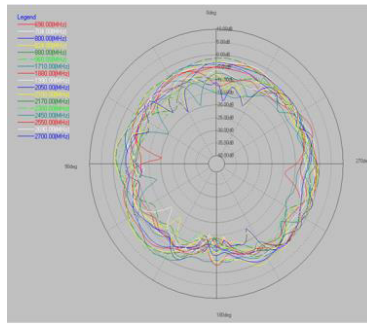
LTE / GNSS (GPS-GLONASS)

LTE

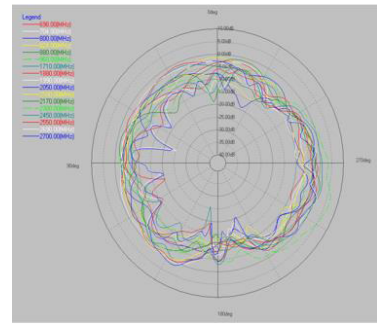
X-Y



X-Z

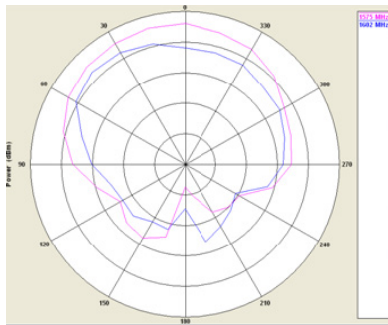


Y-Z



GPS-GLONASS

X-Z



Y-Z

