

MiMo LTE, GPS/GLONASS Direct Mount Antenna

SWA2100



Features

-  LTE 698-960/1710-2170/2300-2690 (MIMO)
-  Active GPS/GLONASS 1575-1602MHz, 28±2dB LNA
-  Diameter 81.3mm
-  Height 14.6mm
-  Standard SMA Plug connectors, contact Pulse Engineering for custom configurations.

Applications:

-  LTE Cat M1 and Cat 1 Devices
-  FirstNet Band 14 Compliant
-  Vehicular use
-  Utility boxes
-  Smart metering
-  Navigation, Fleet, Management, Tracking

ELECTRICAL SPECIFICATIONS @ 25°C

General Specifications

General Requirements			Specifications
GPS/GLONASS Antenna	Dielectric Antenna	Frequency Range	1575-1602MHz
		Polarization	RHCP
		Gain	2dBic (Zenith)
		V.S.W.R	< 1.5
		Impedance	50Ω
	LNA	Gain	28±2dB
		Noise Figure	< 2dB
		V.S.W.R	< 2.0
		Supply Voltage	3~5V DC
		Current Consumption	< 20mA
LTE Antenna MAIN		Frequency Range	698-960MHz/ 1710-2690MHz
		V.S.W.R	< 3.0
		Polarization	Linear
		Gain	2.5dBi
		Impedance	50Ω
LTE Antenna AUX		Frequency Range	698-960MHz/ 1710-2690MHz
		V.S.W.R	< 3.0
		Polarization	Linear
		Gain	2.0dBi
		Impedance	50Ω

ENVIRONMENTAL SPECIFICATIONS

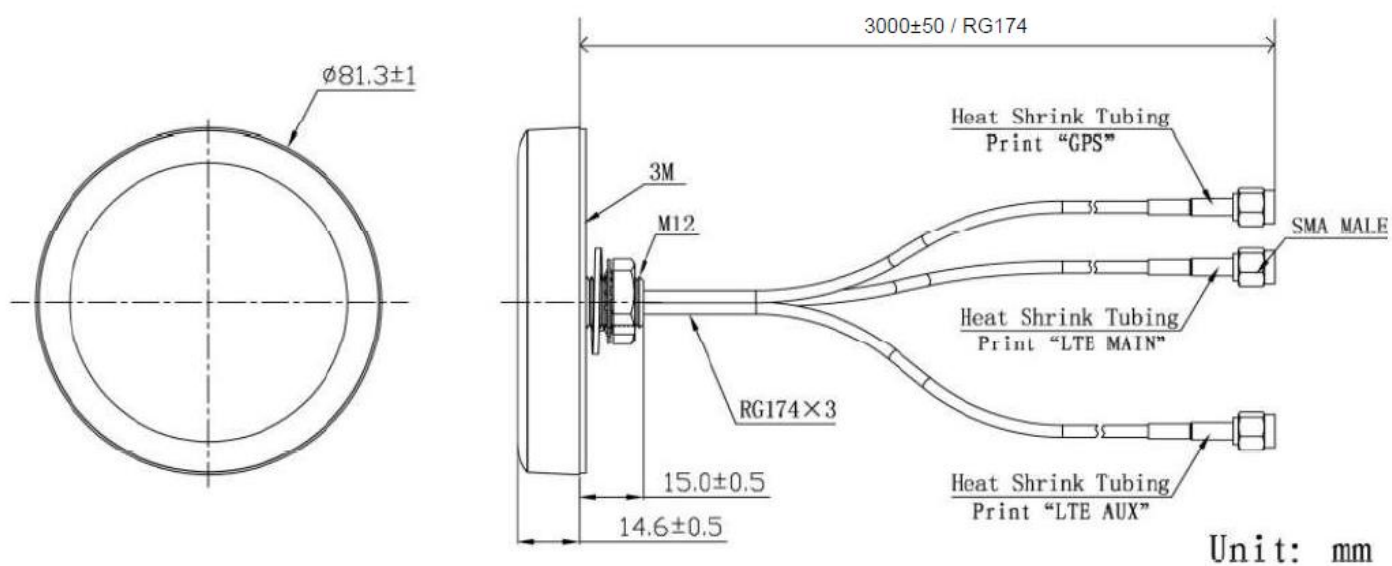
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Operating Temperature	Relative Humidity	Ingress Protection	Vibration	RoHS Compliant
-40/+85° C	Up to 95%	IP67 (exclude cable outlet)	10 to 55Hz with 1.5mm amplitude 2hours	Yes

Mechanical

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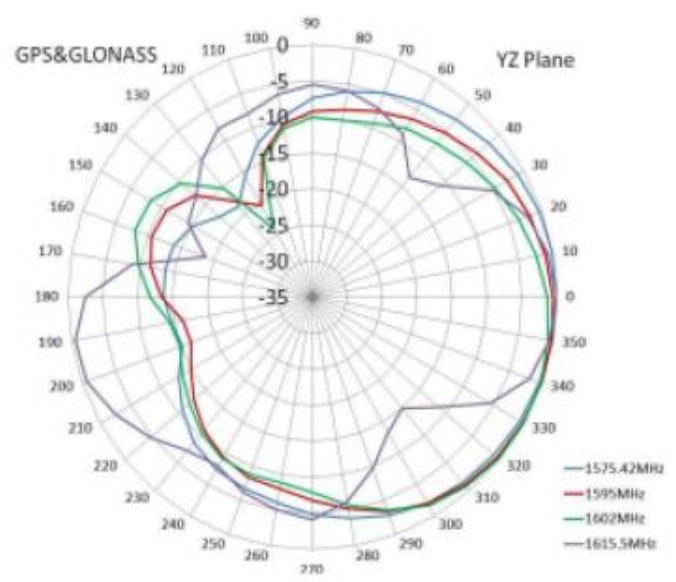
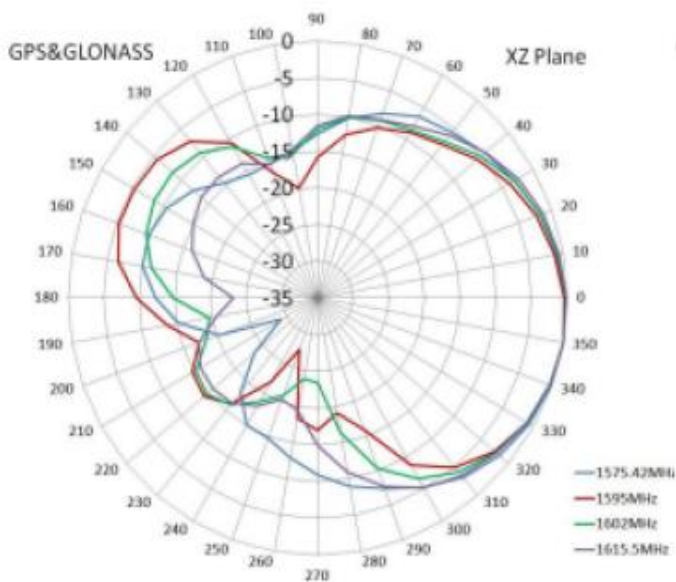
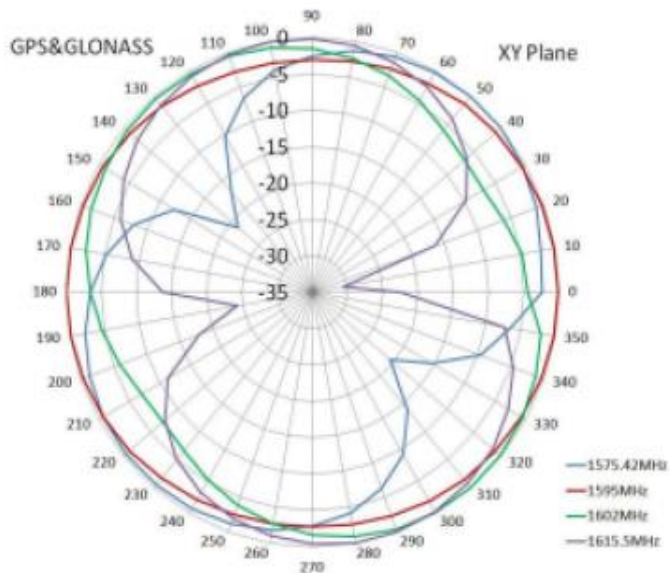
Cable	3000mm, RG174
Connector	SMA or others
Material	ABS
Mounting Method	Screw



Typical Electrical Characteristics(T=25°C)
Typical Free Space Radiation Patterns

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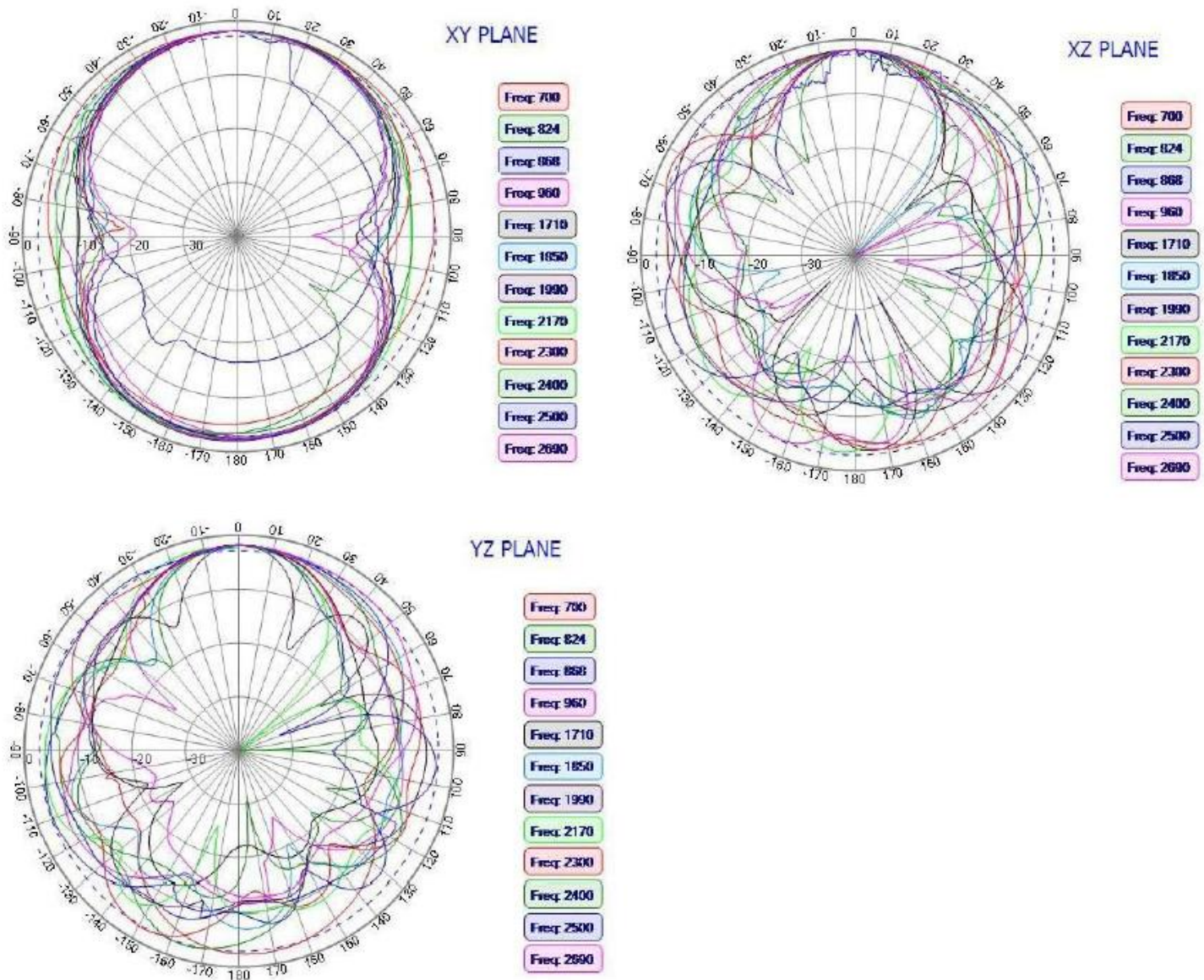
GPS/GLONASS



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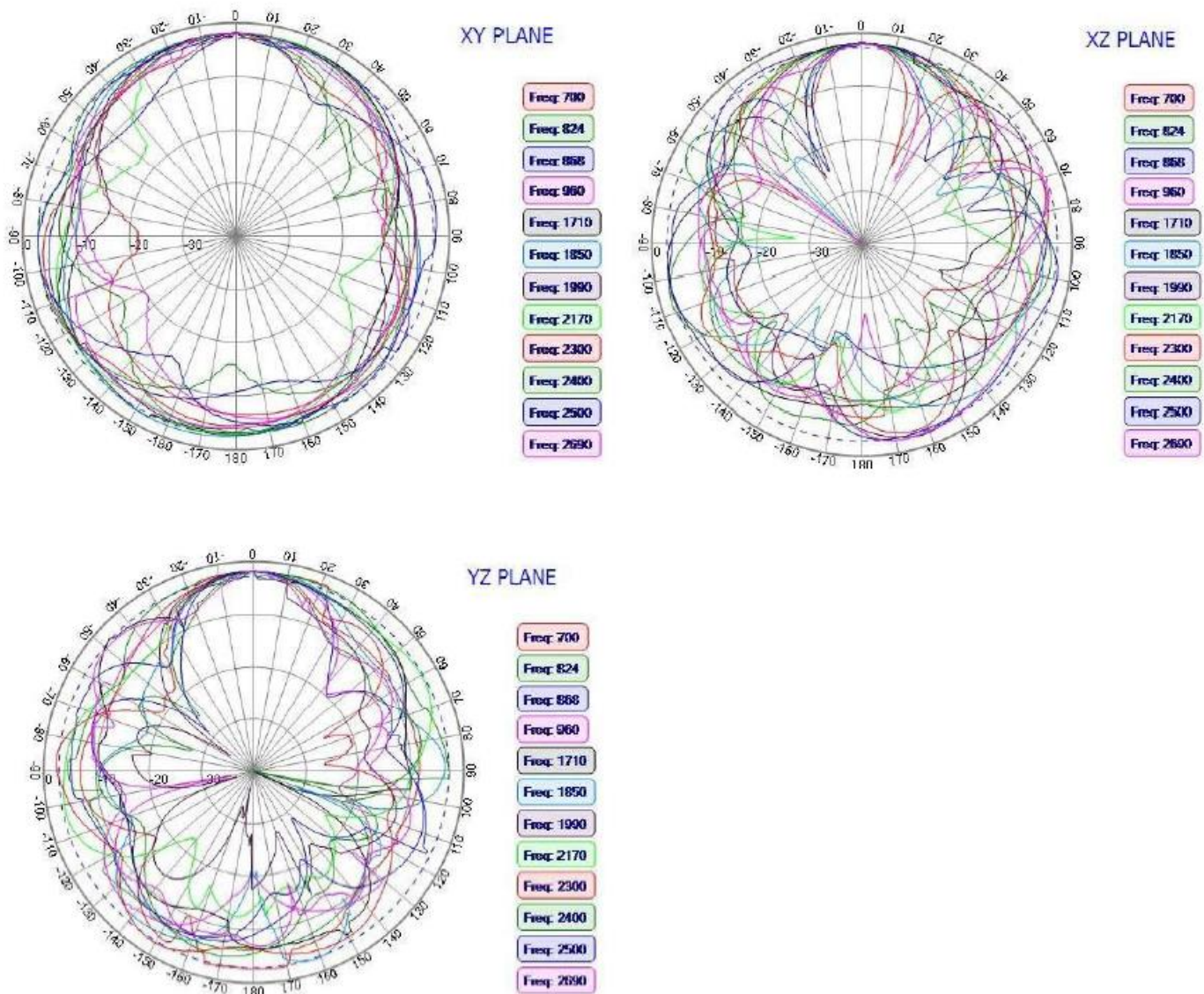
LTE Antenna MAIN



Typical Electrical Characteristics(T=25°C) Typical Free Space Radiation Patterns

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LTE Antenna AUX



For More Information:

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