GPS+LTE Module antenna

Pulse Part Number SWA2100

V02



Connector

-SMA or others

Default Configuration – Please contact Pulse Applications

Engineering for assistance in ordering connectors

Environment Condition

Operating Temperature	-40℃~+85℃
Relative Humidity	Up to 95%
Ingress Protection	IP67 (exclude cable outlet)
Vibration	10 to 55Hz with 1.5mm amplitude 2hours
Environmentally Friendly	ROHS Compliant

Contact: mobiledeviceantenna.sales@pulseelectronics.com

Pulse
A YAGEO Company

GPS+LTE Module antenna

Pulse Part Number SWA2100

V02

Antenna Condition

Item			Specifications
GPS Antenna	Dielectric Antenna	Frequency Range	1575.42±3MHz
		Polarization	RHCP
		Gain	2dBic (Zenith)
		V.S.W.R	< 1.5
		Impendence	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 (Zenith)
		Impendence	50Ω
LTE Antenna AUX		Frequency Range	698~960MHz/1710~2690MHz
		V.S.W.R	< 3.0
		Polarization	Linear
		Gain	2.0dBi (Zenith)
		Impendence	50Ω

Contact: mobiledeviceantenna.sales@pulseelectronics.com

Pulse
A YAGEO Company

GPS+LTE Module antenna

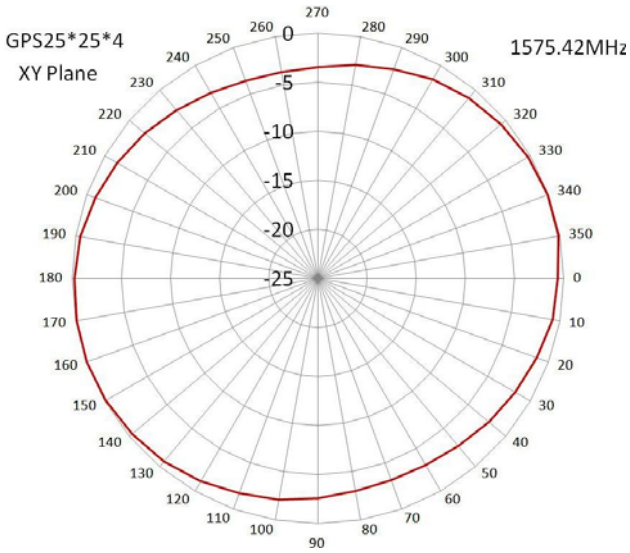
Pulse Part Number SWA2100

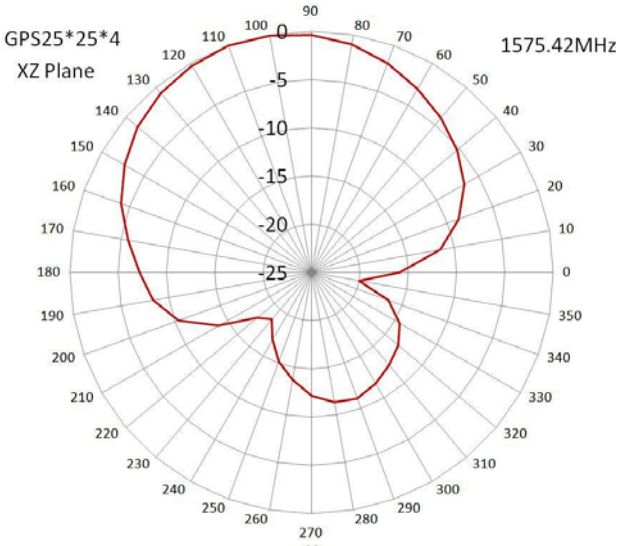
V02

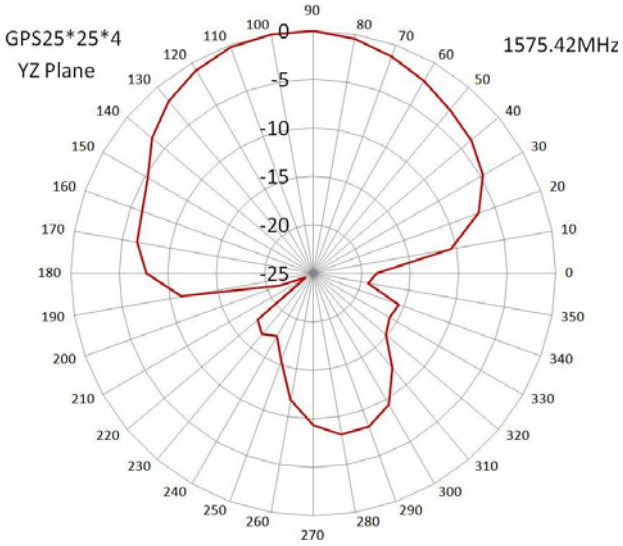
Typical Electrical Characteristics (T=25°C)

Typical Free space Radiation Patterns

GPS







Contact: mobiledeviceantenna.sales@pulseelectronics.com

Pulse
A YAGEO Company

GPS+LTE Module antenna

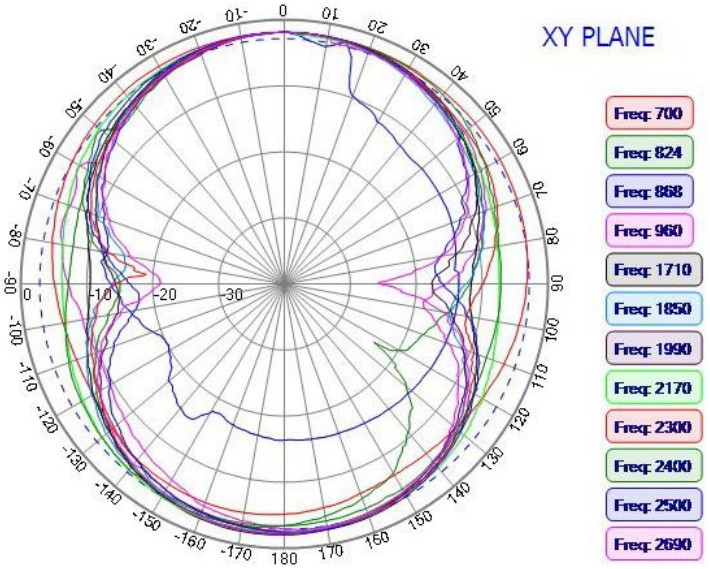
Pulse Part Number SWA2100

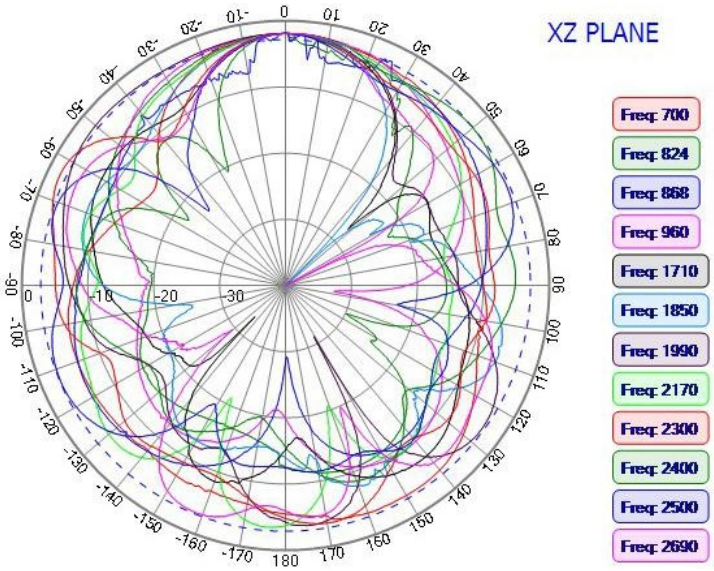
V02

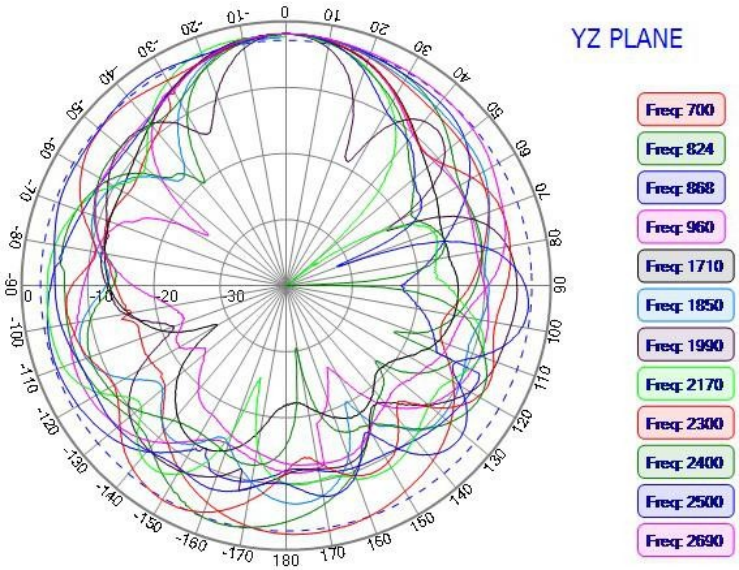
Typical Electrical Characteristics (T=25°C)

Typical Free space Radiation Patterns

LTE Antenna MAIN







Contact: mobiledeviceantenna.sales@pulseelectronics.com

Pulse
A YAGEO Company

GPS+LTE Module antenna

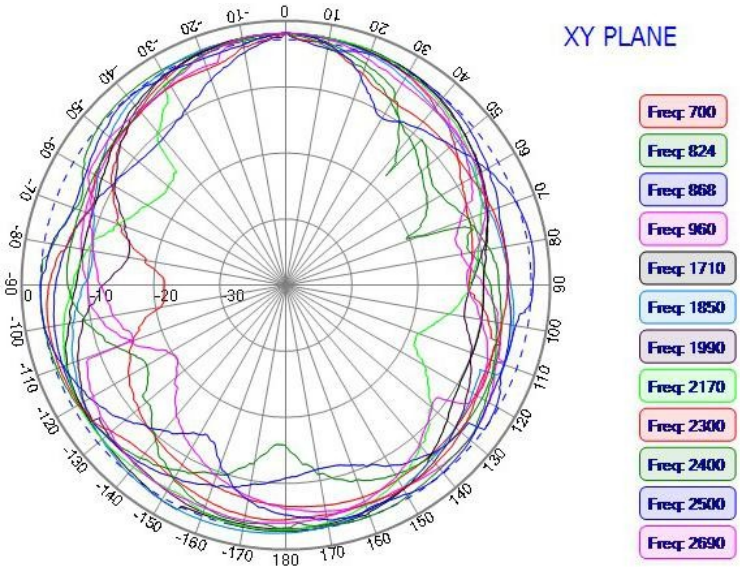
Pulse Part Number SWA2100

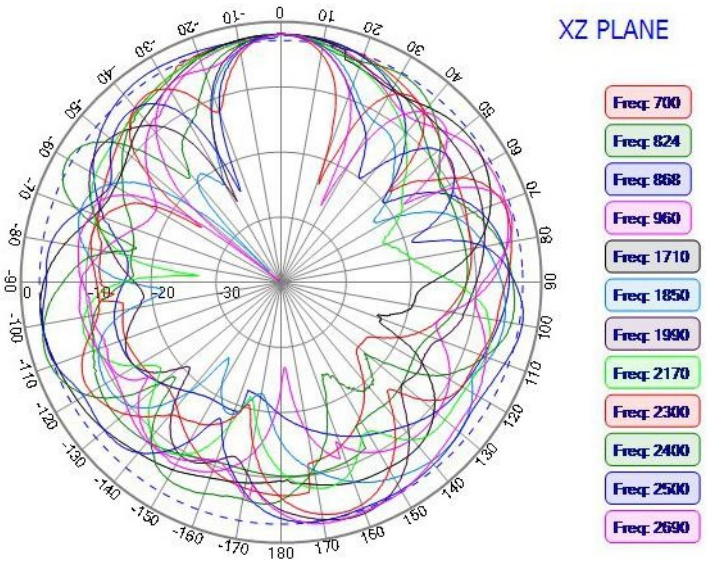
V02

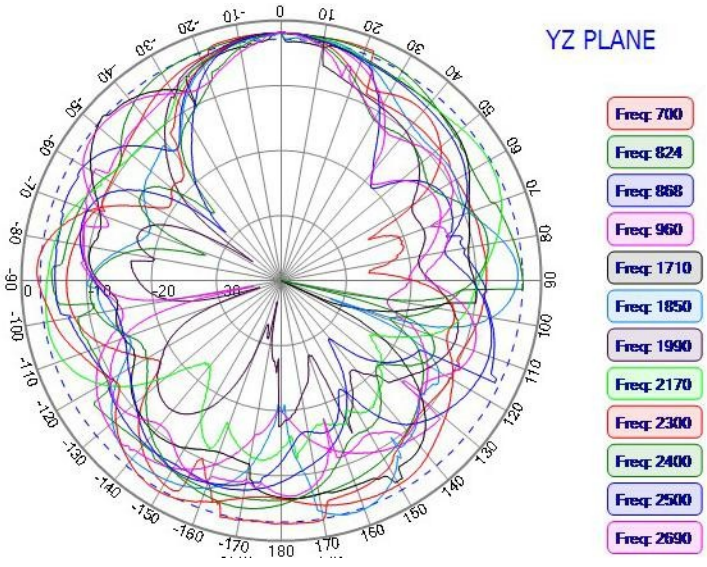
Typical Electrical Characteristics (T=25°C)

Typical Free space Radiation Patterns

LTE Antenna AUX







Contact: mobiledeviceantenna.sales@pulseelectronics.com

Pulse
A YAGEO Company

GPS+LTE Module antenna

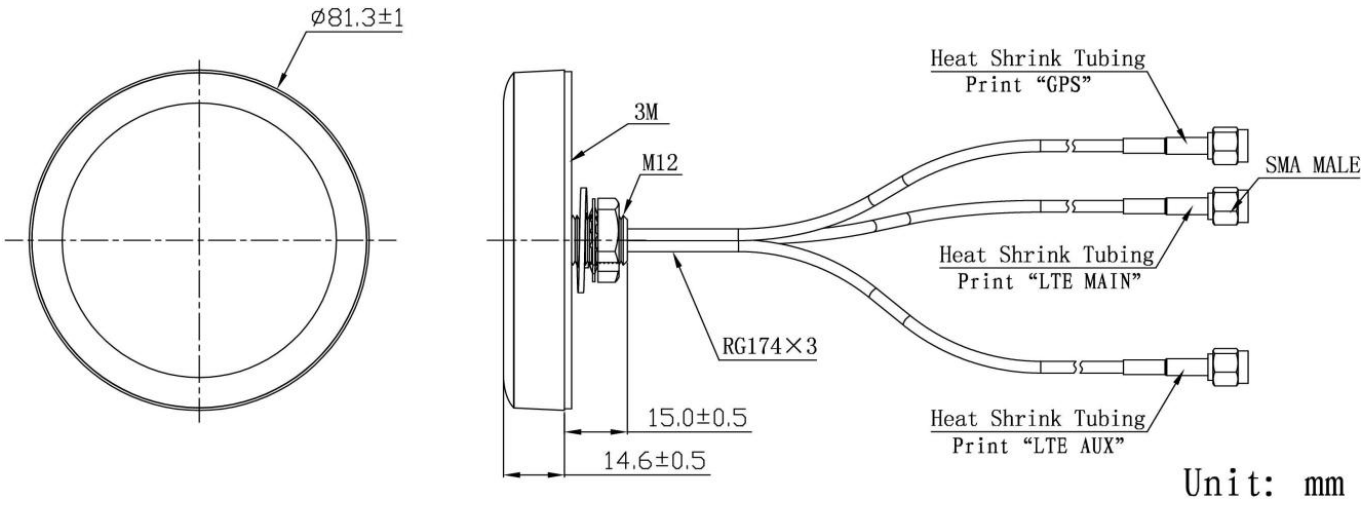
Pulse Part Number SWA2100

V02

Mechanical Condition

Cable	RG174
Connector	SMA or others
Material	ABS
Mounting Method	Screw

Antenna Dimensions (unit: mm)



Contact: mobiledeviceantenna.sales@pulseelectronics.com

Pulse
A YAGEO Company