

GPS+LTE Module antenna

Pulse Part Number SWA2110

V02



Connector

-SMA or others

Default Configuration – Please contact Pulse Applications

Engineering for assistance in ordering connectors

Environment Condition

Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67
Vibration	10 to 55Hz with 1.5mm amplitude 2hours
Environmentally Friendly	ROHS Compliant

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Antenna Condition

Item			Specifications
GPS Antenna	Dielectric Antenna	Frequency Range	1575.42±3MHz
		Polarization	RHCP
		Gain	2dBic (Zenith)
		V.S.W.R	< 1.5
		Impedence	50Ω
	LNA	Gain	28±2dB
		Noise Figure	< 1.5dB
		V.S.W.R	< 2.0
		Supply Voltage	3~5V DC
		Current Consumption	< 15mA
LTE Antenna MAIN		Frequency Range	698~960MHz/1710~2690MHz
		V.S.W.R	< 3.0
		Polarization	Linear
		Gain	2.5dBi (Zenith)
		Impedence	50Ω
LTE Antenna AUX		Frequency Range	698~960MHz/1710~2690MHz
		V.S.W.R	< 3.0
		Polarization	Linear
		Gain	2.0dBi (Zenith)
		Impedence	50Ω

GPS+LTE Module antenna

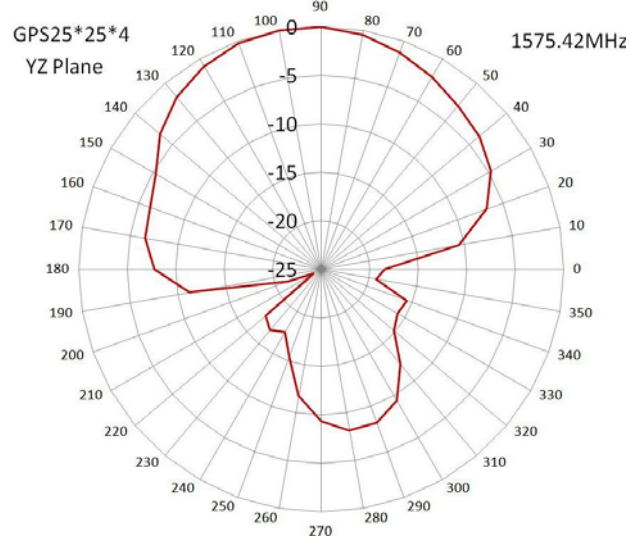
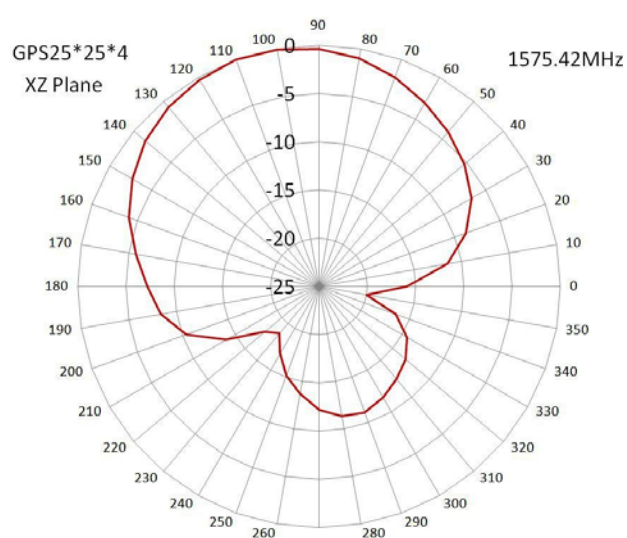
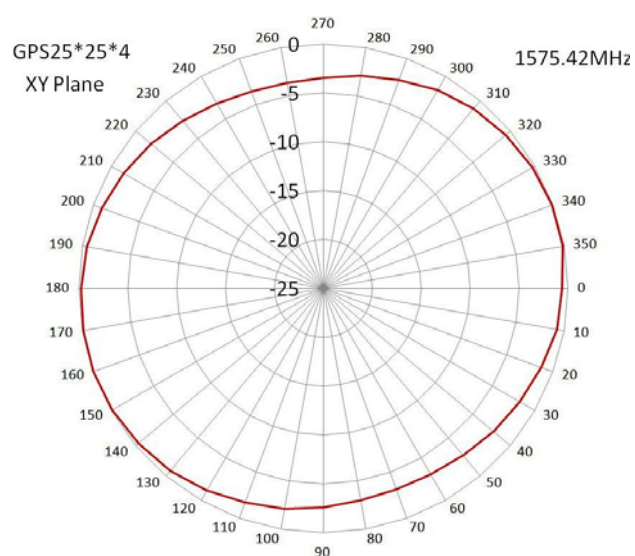
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Typical Electrical Characteristics (T=25°C)

Typical Free space Radiation Patterns

GPS



Contact: mobiledeviceantenna.sales@pulseelectronics.com

GPS+LTE Module antenna

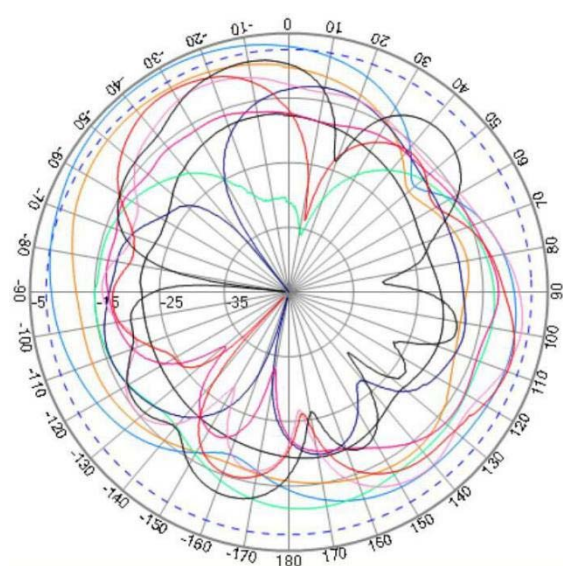
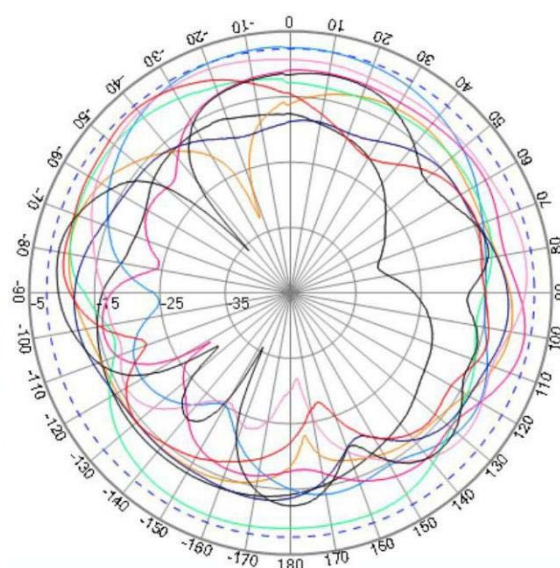
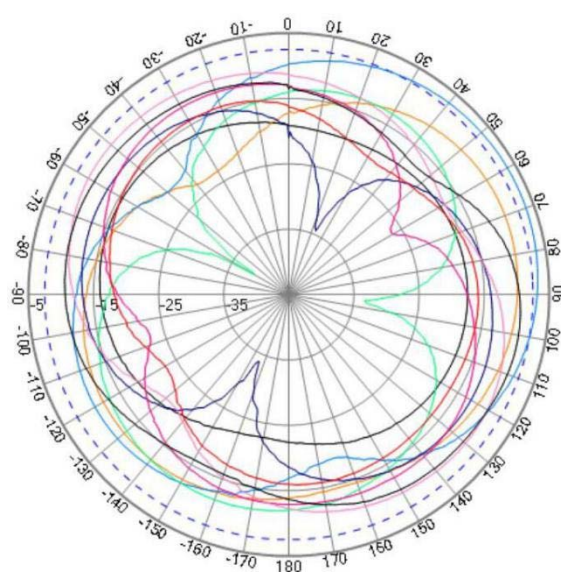
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LTE Antenna MAIN



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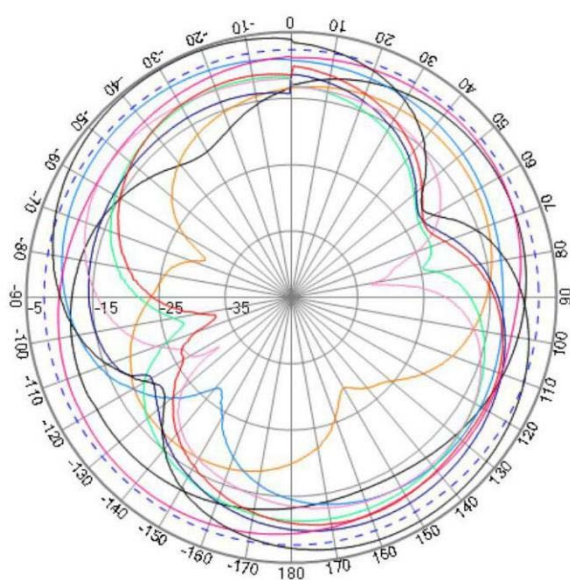
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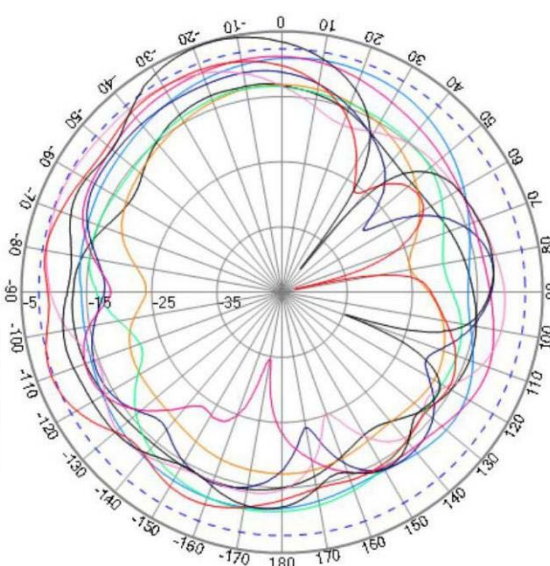
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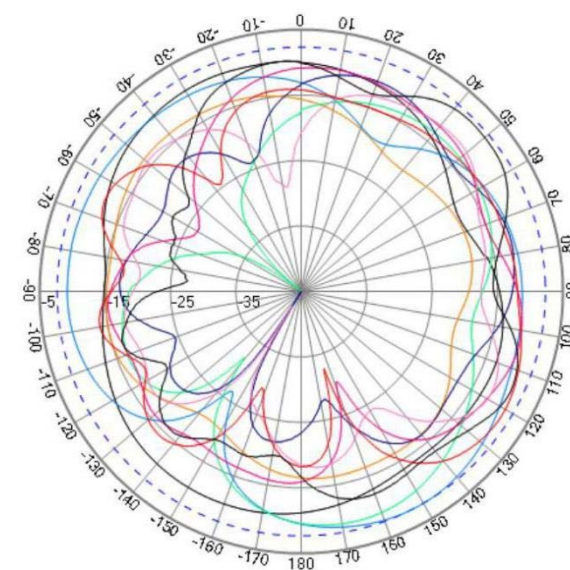
LTE Antenna AUX



XY PLANE



XZ PLANE



YZ PLANE



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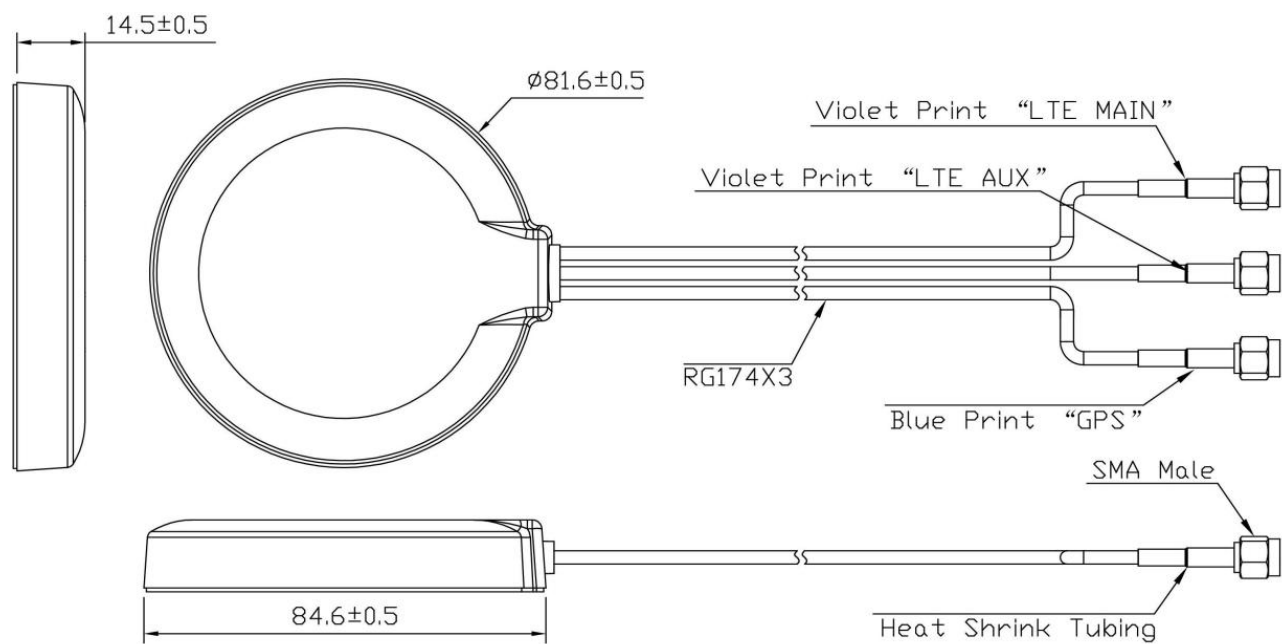
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Mechanical Condition

Cable	RG174
Connector	SMA/FAKRA or others
Material	ABS
Mounting Method	Adhesive/Magnet

Antenna Dimensions (unit: mm)



Unit:mm