LR1121 LoRa 模组-LoRa Antenna

PRODUCTS

Part No.	Weight	Dimensions (L x WxH)	Cables Dimensions	Connector	Color
M01-0401230R0A		FPC:40.0*7.0mm	Φ1.13*50mm	IPEX4	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency Bands, MHz	860-930
VSWR (Max)	4.0:1
Peak Gain, dBi (Typ)	Up to -1.54
Peak Efficiency(%)	Up to 32.03
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear, Omnidirectional
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	RoHS Compliant

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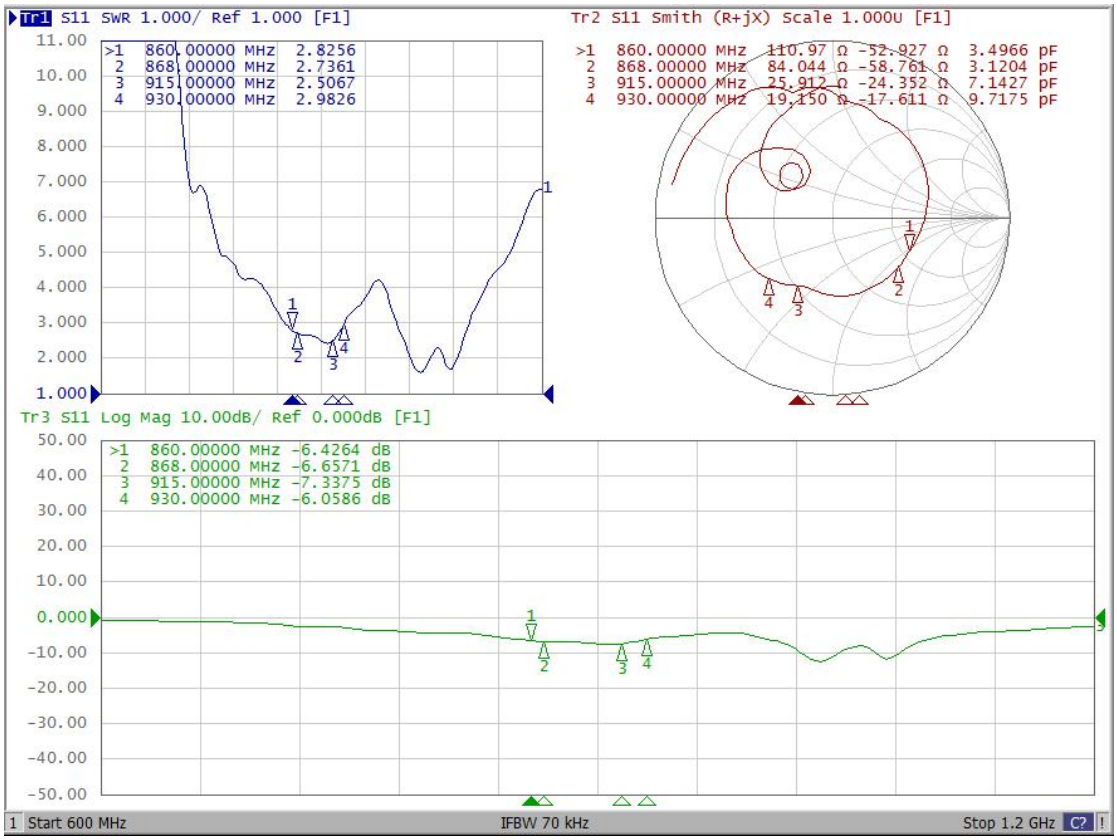
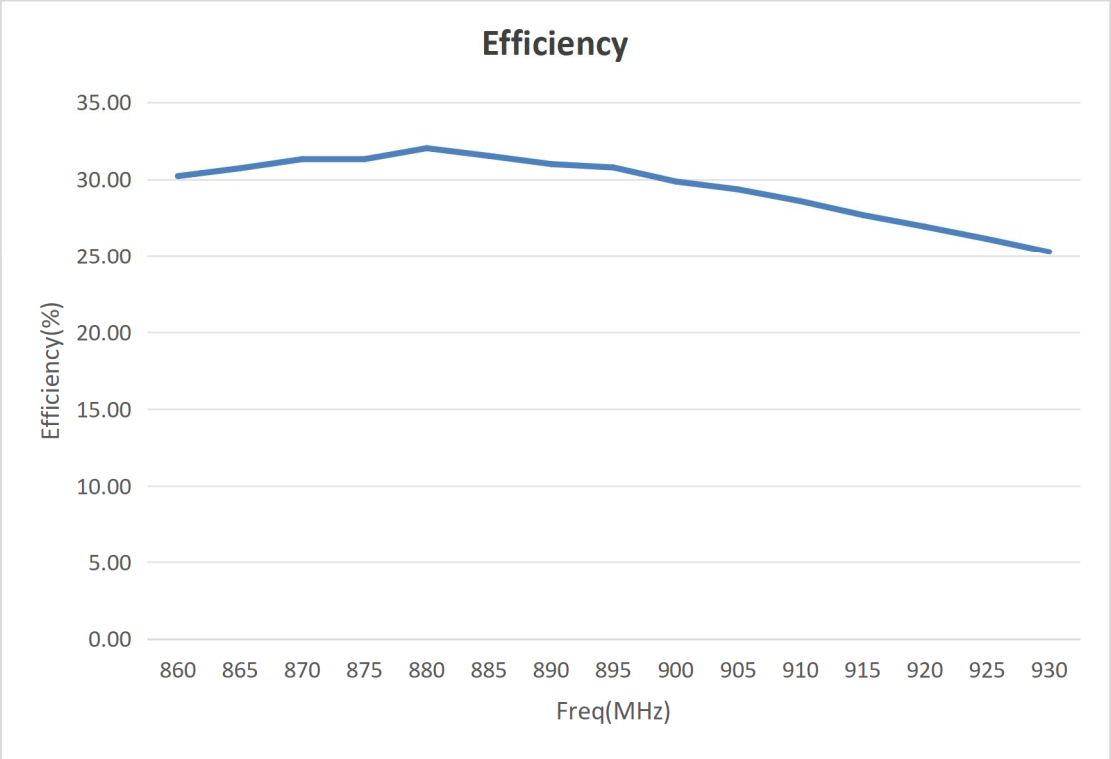
ELECTRICAL DATA

Return Loss



Efficiency（%）



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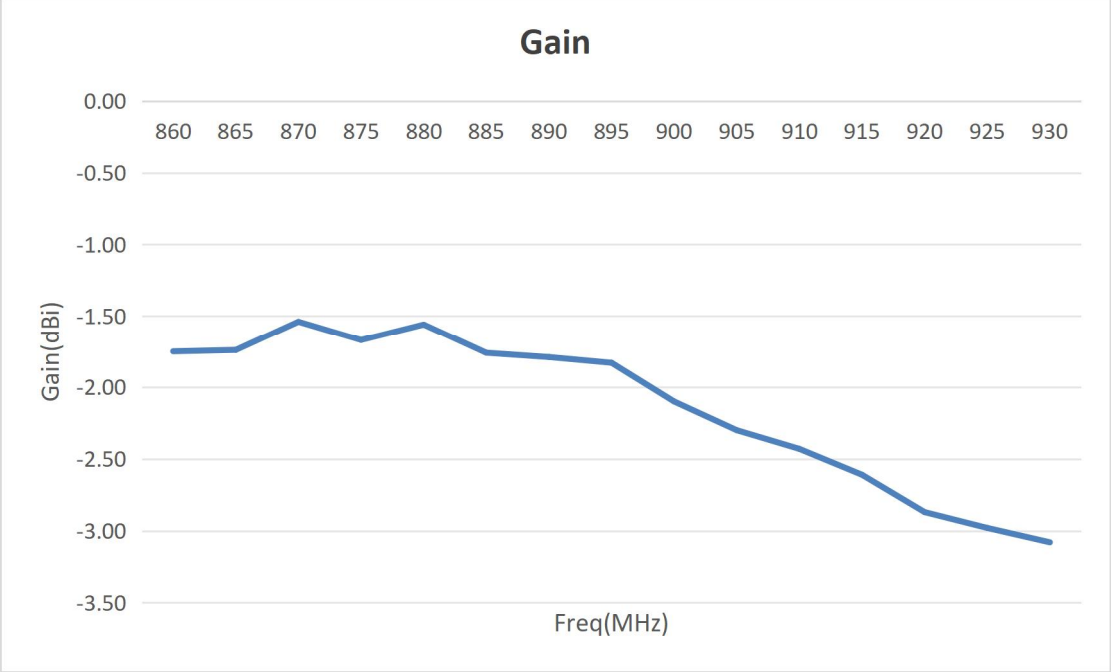
Peak Gain（dBi）

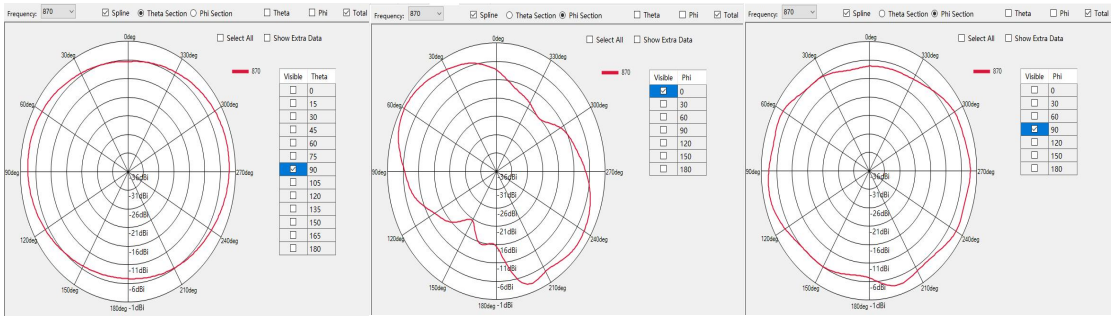


Efficiency and gain data

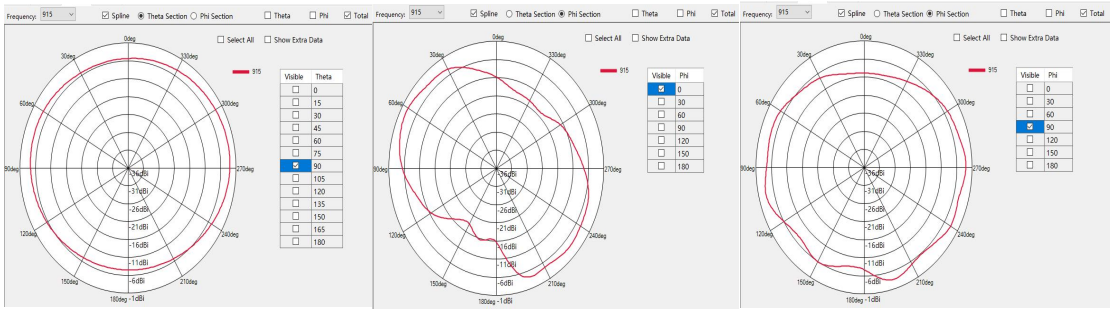
Freq(MHz)	Gain(dBi)	Efficiency(%)
860	-1.75	30.22
865	-1.74	30.73
870	-1.54	31.32
875	-1.67	31.32
880	-1.56	32.03
885	-1.76	31.53
890	-1.79	31.00
895	-1.83	30.78
900	-2.10	29.87
905	-2.30	29.36
910	-2.43	28.60
915	-2.61	27.70
920	-2.87	26.94
925	-2.98	26.14
930	-3.08	25.28

RADIATION PATTERNS

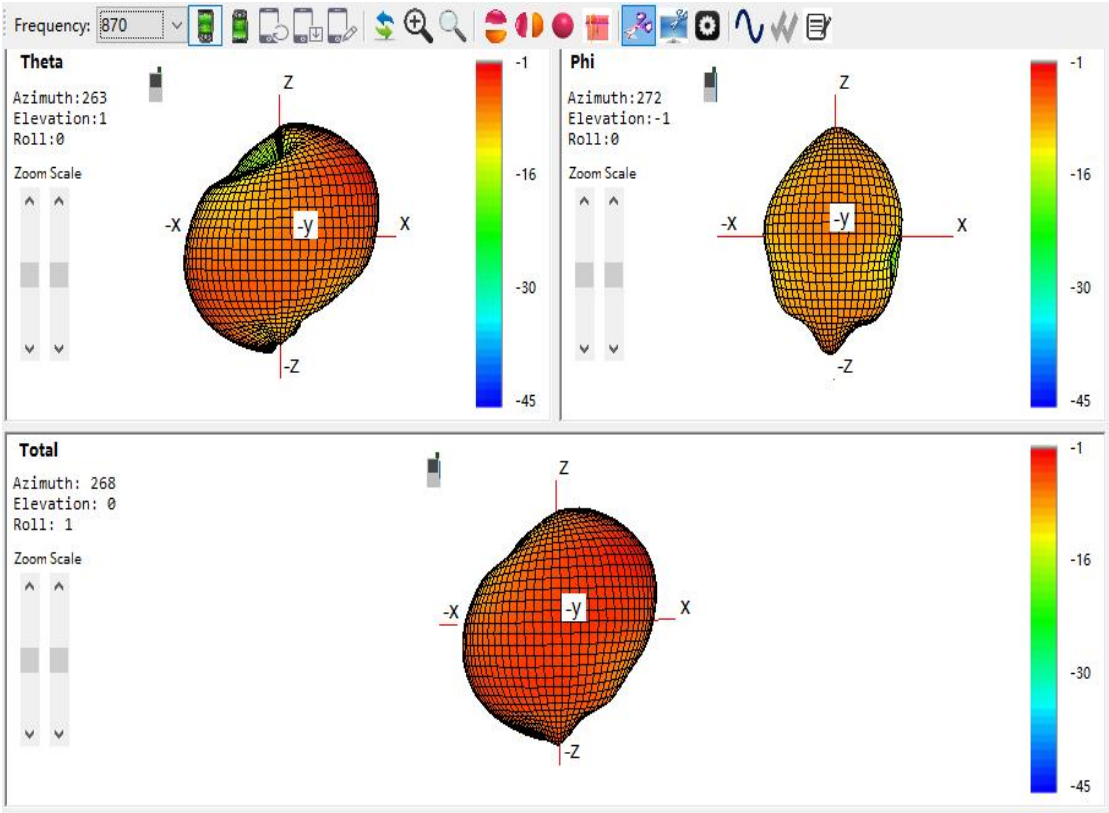
2D Radiation Pattern at 870MHz



2D Radiation Pattern at 915MHz



3D Radiation Pattern at 870MHz



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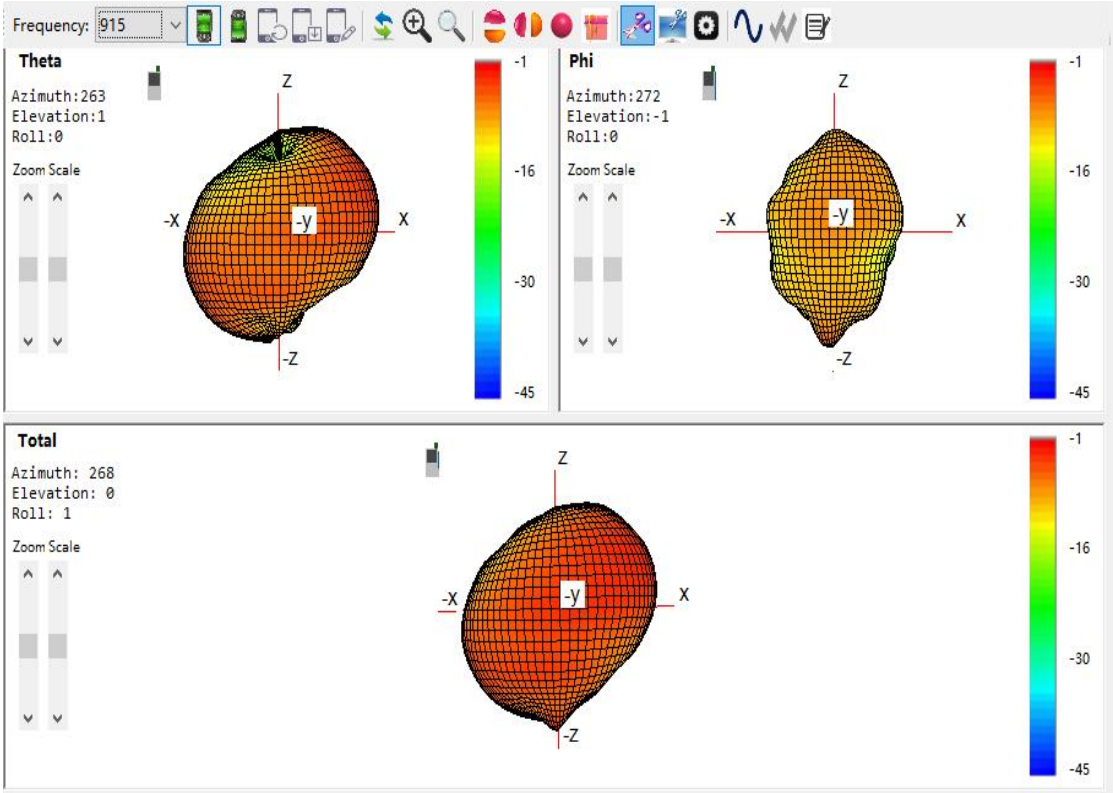

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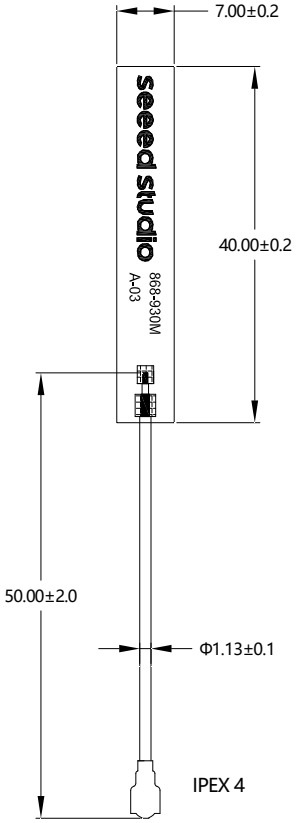
HOUSING CONFIGURATIONS



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