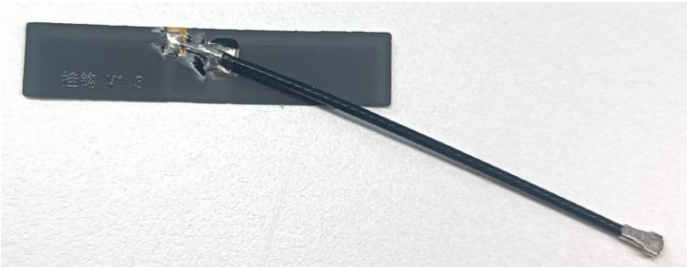
LR1121 LoRa 模组-2.4G FPC Antenna



PRODUCTS

Part No.	Weight	Dimensions (L x WxH)	Cables Dimensions	Connector	Color
M01-0601930R0A		FPC:35.0*7.0mm	Φ1.13*50mm	IPEX4	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency Bands, MHz	2400-2500
VSWR (Max)	4.5:1
Peak Gain, dBi (Typ)	Up to 2.53
Peak Efficiency(%)	Up to 59.9
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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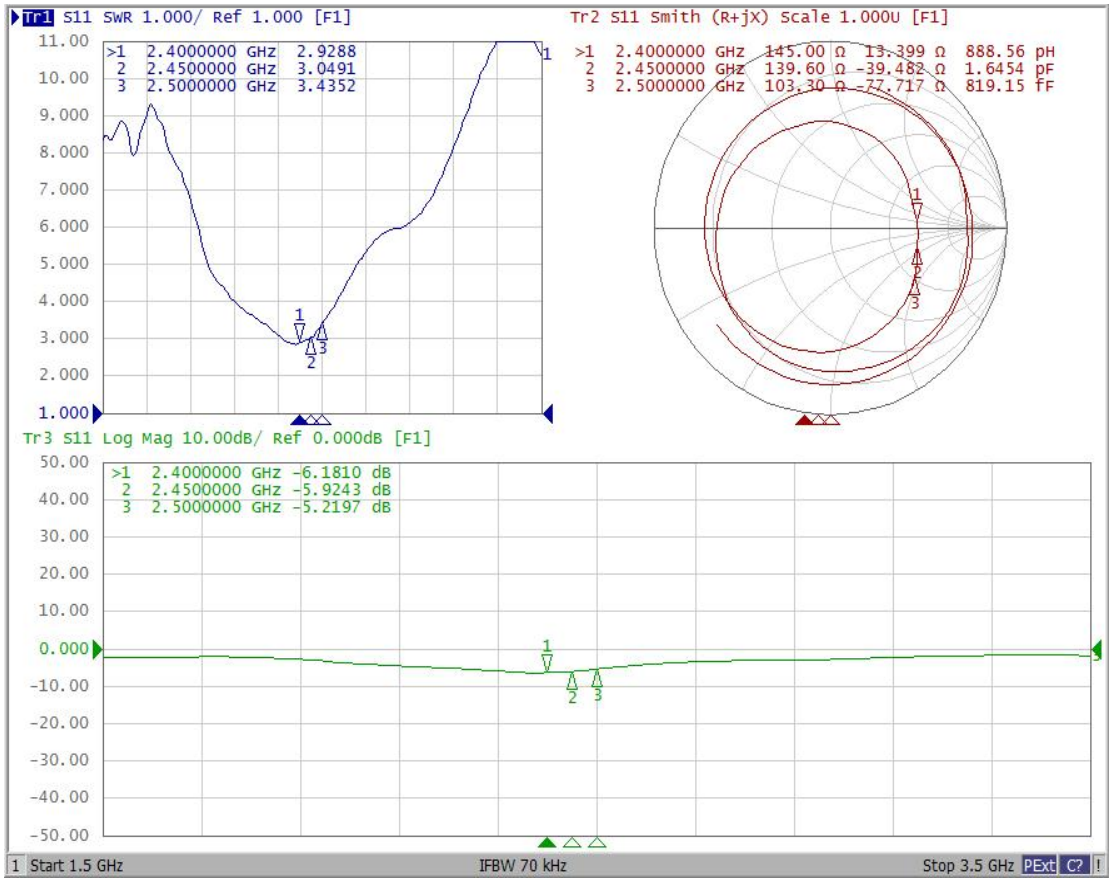
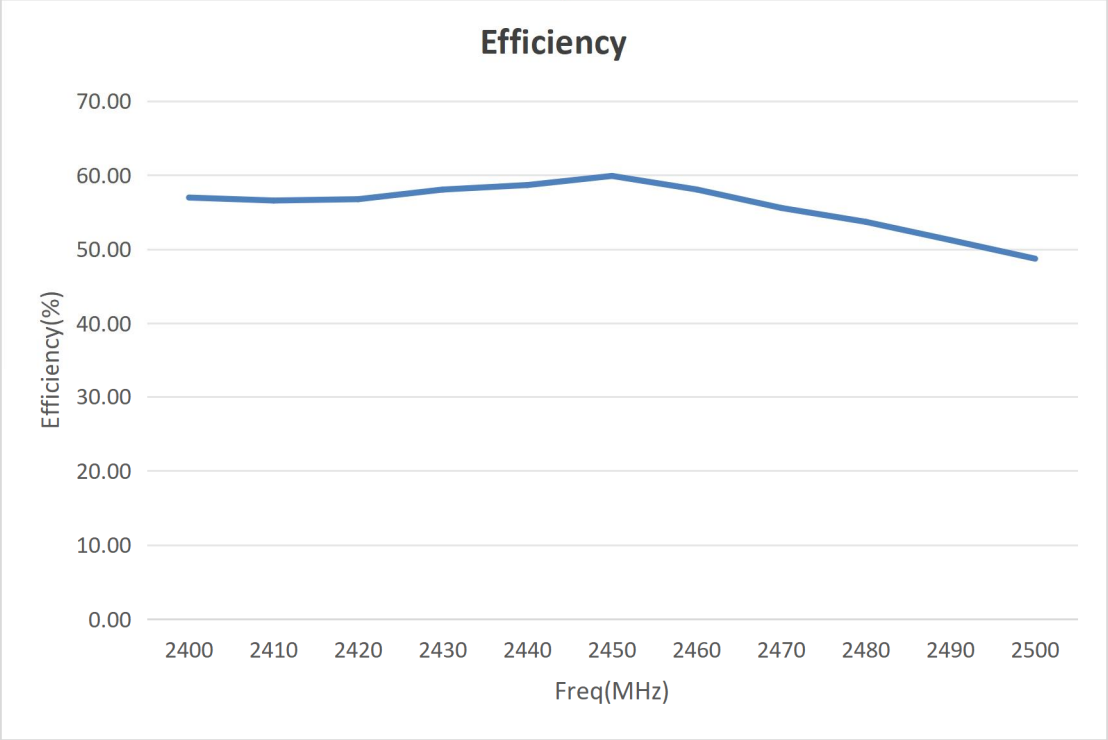
ELECTRICAL DATA

Return Loss



Efficiency（%）



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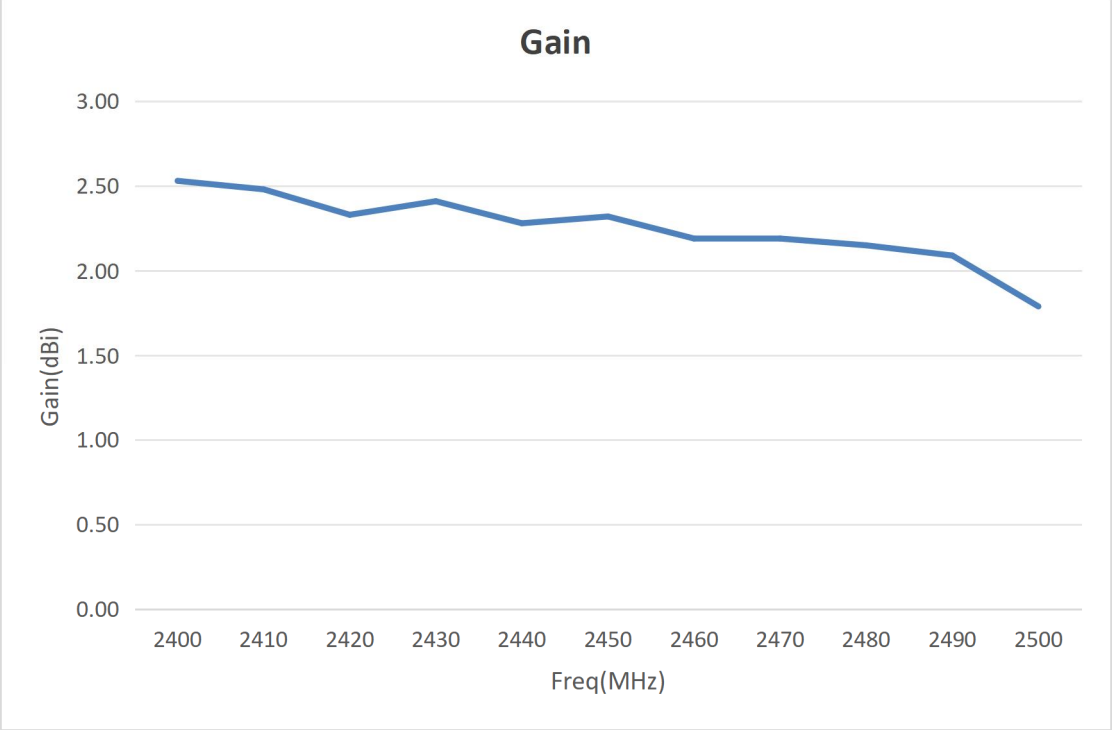
Peak Gain（dBi）



Efficiency and gain data

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	2.53	56.98
2410	2.48	56.58
2420	2.33	56.76
2430	2.41	58.06
2440	2.28	58.67
2450	2.32	59.90
2460	2.19	58.07
2470	2.19	55.58
2480	2.15	53.70
2490	2.09	51.24
2500	1.79	48.73

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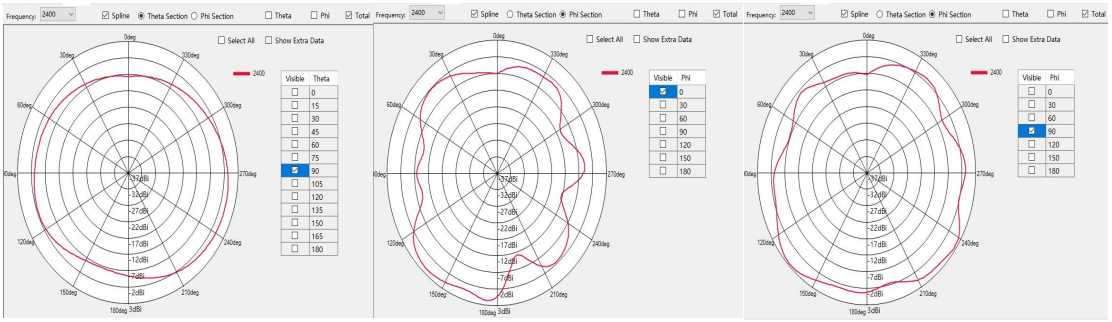
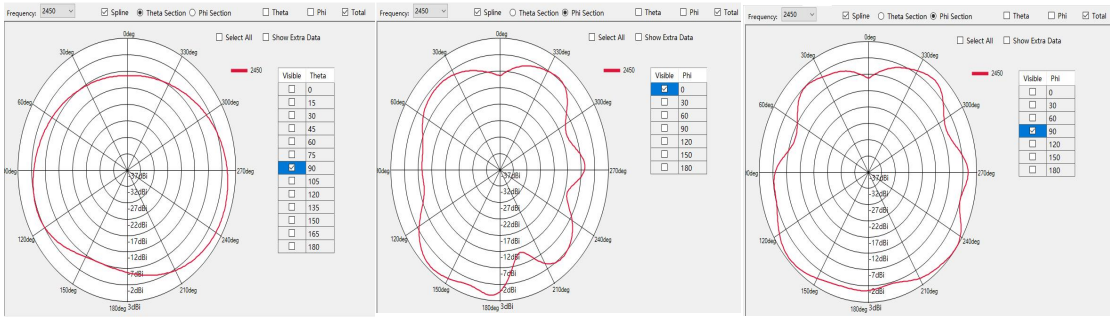
RADIATION PATTERNS

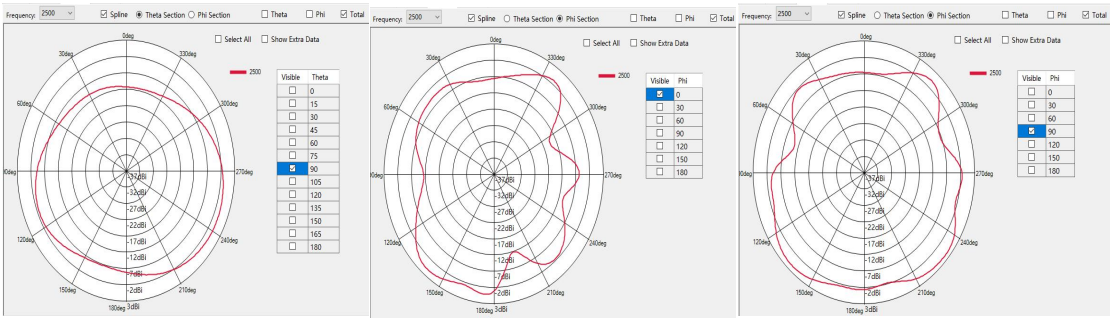
2D Radiation Pattern at 2400MHz



2D Radiation Pattern at 2450MHz



2D Radiation Pattern at 2500MHz



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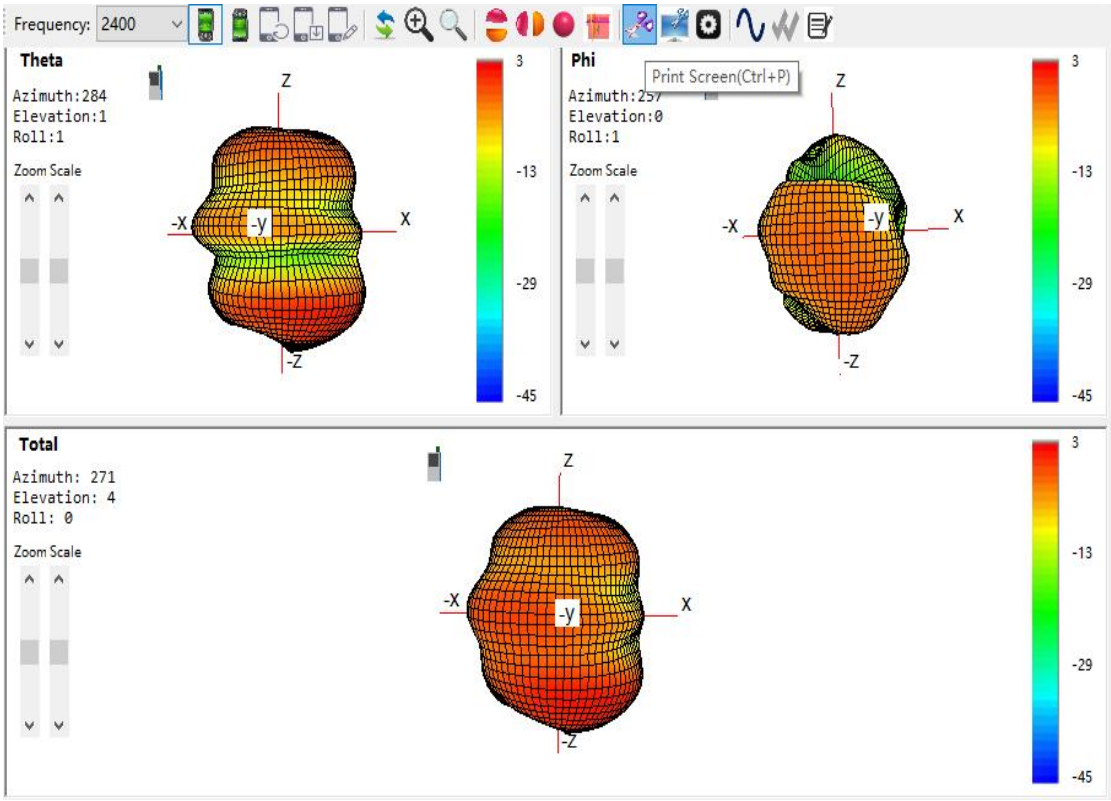
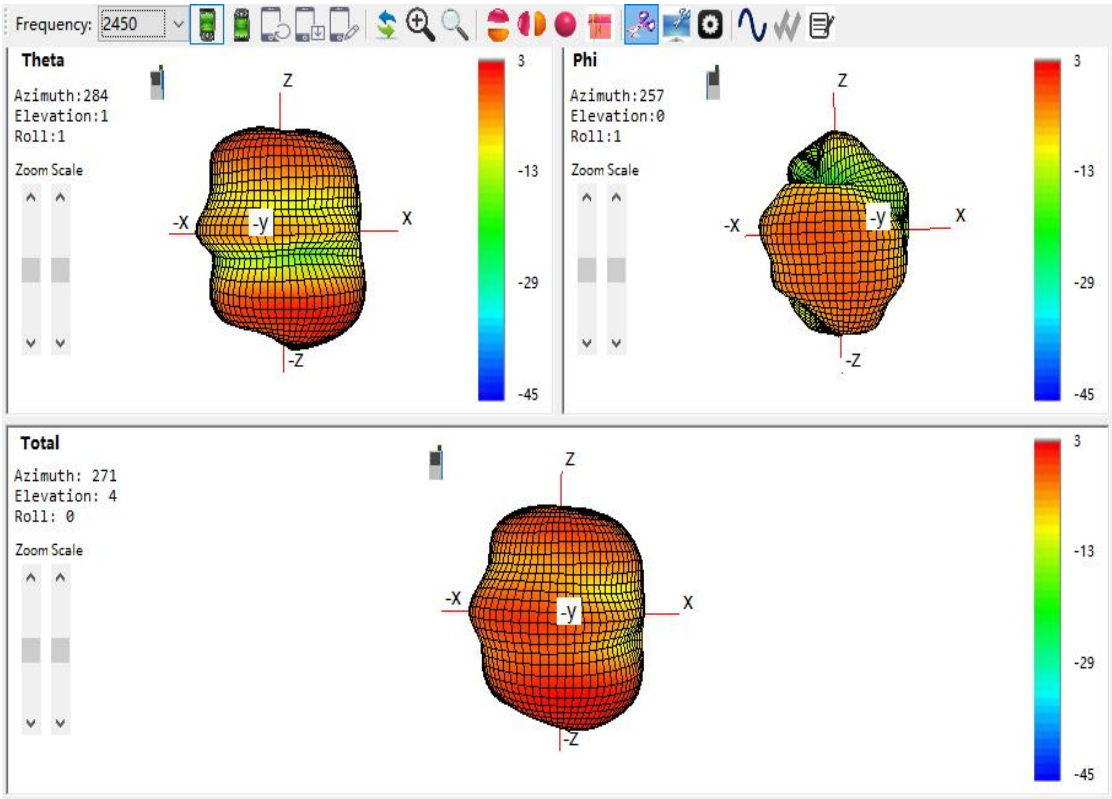
3D Radiation Pattern at 2400MHz



3D Radiation Pattern at 2450MHz



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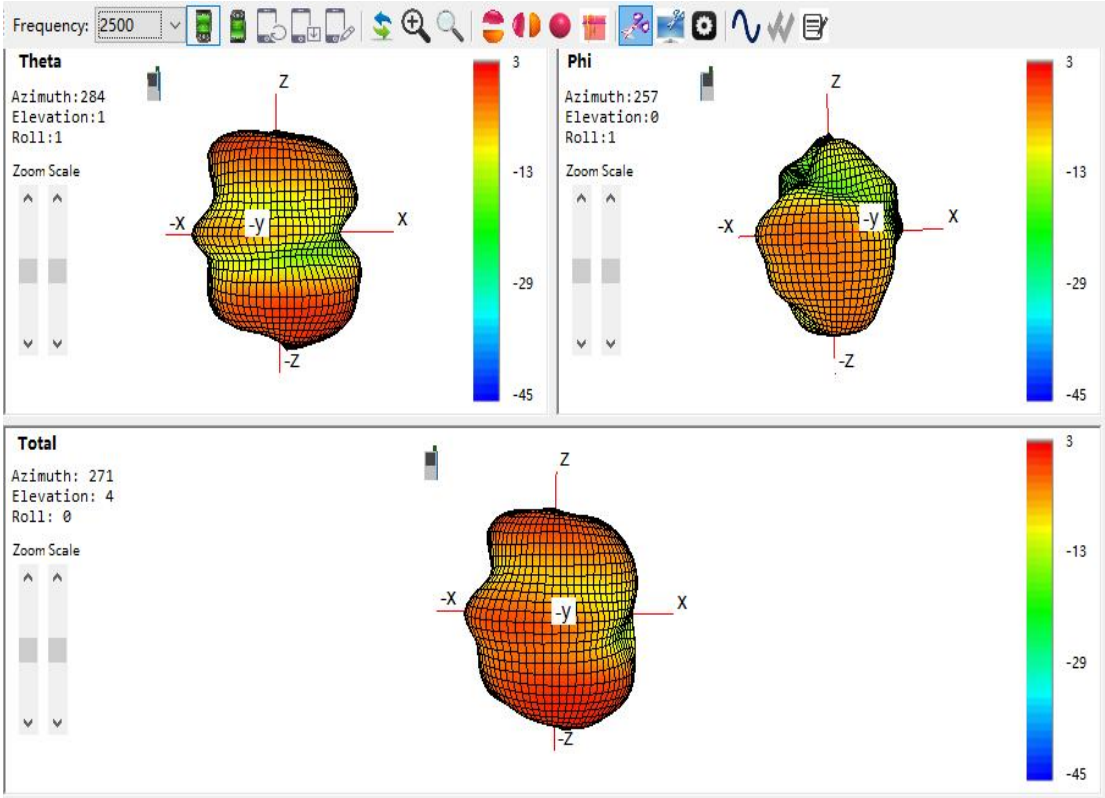
3D Radiation Pattern at 2500MHz



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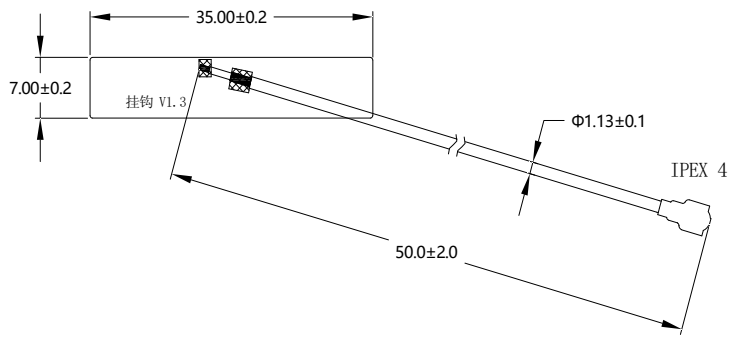
HOUSING CONFIGURATIONS



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