

LR1121 LoRa 模组-2.4G FPC Antenna

PRODUCTS

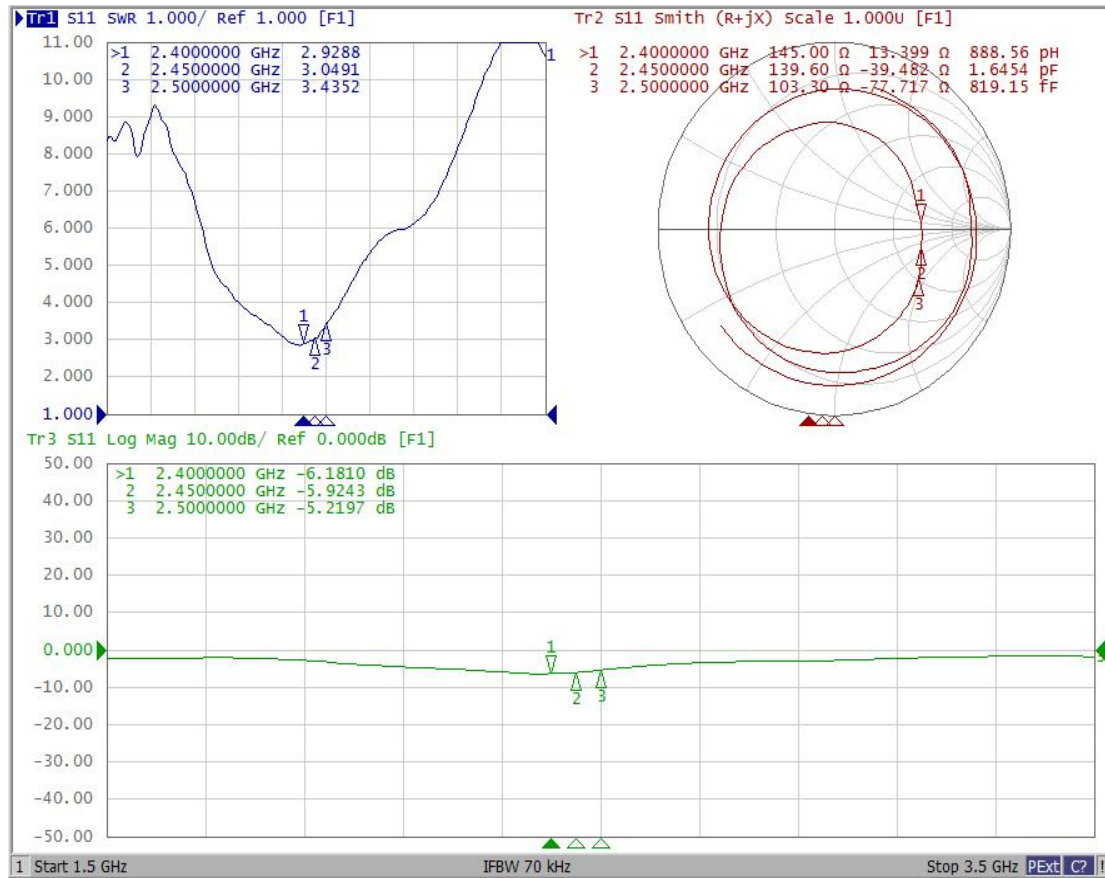
Part No.	Weight	Dimensions (L x WxH)	Cables Dimensions	Connector	Color
M01-0601930R0A		FPC:35.0*7.0mm	Φ 1.13*50mm	IPEX4	Black

SPECIFICATIONS

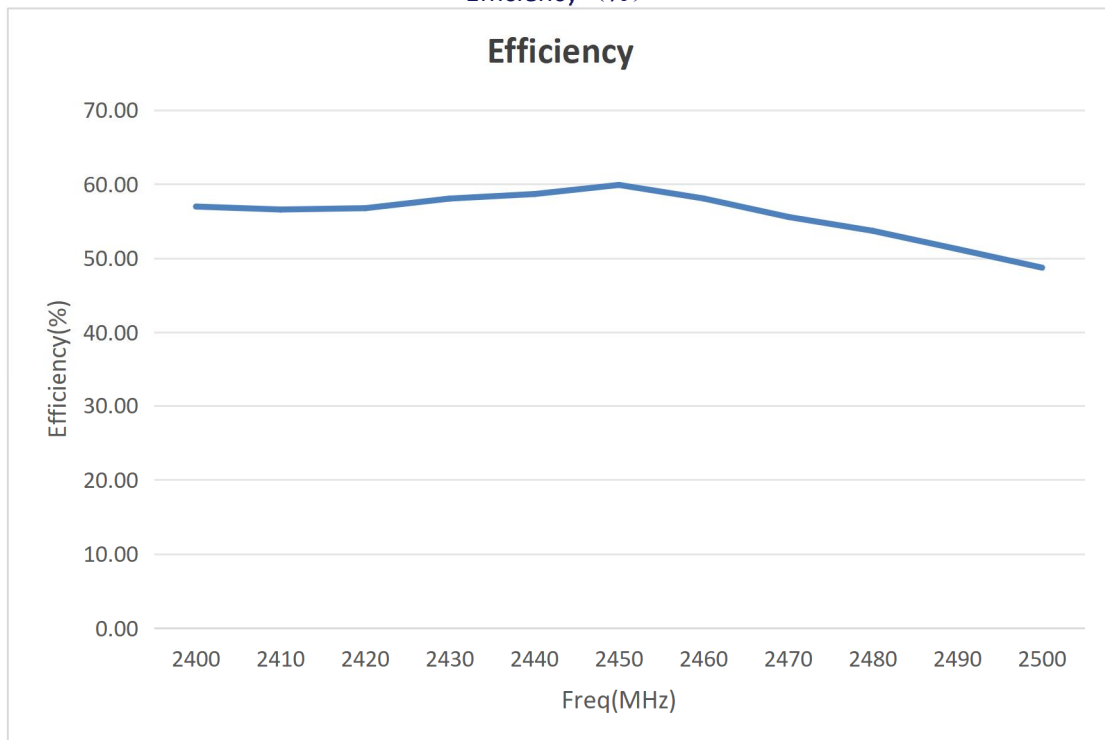
PARAMETER	SPECIFICATION
Frequency Bands, MHz	2400-2500
VSWR (Max)	4.5:1
Peak Gain, dBi (Typ)	Up to 2.53
Peak Efficiency(%)	Up to 59.9
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear, Omnidirectional
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	RoHS Compliant

ELECTRICAL DATA

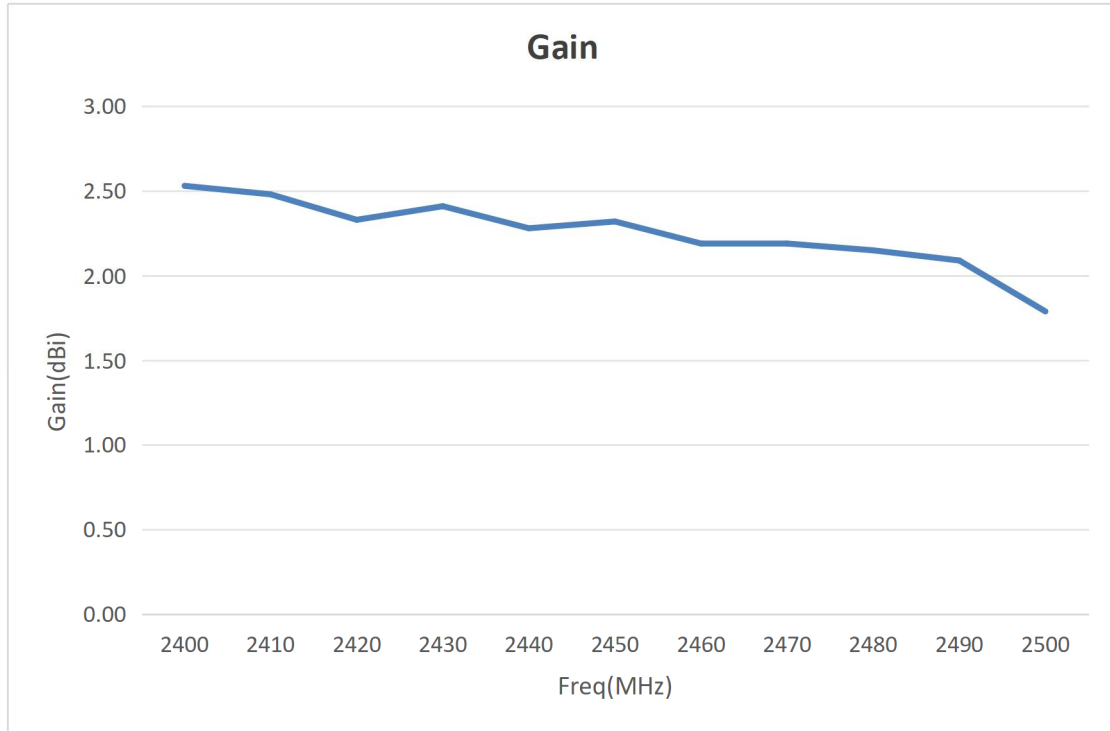
Return Loss



Efficiency (%)



Peak Gain (dBi)

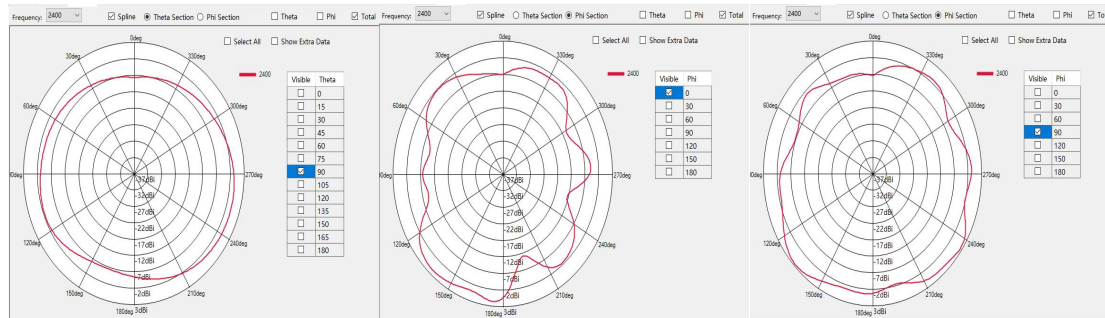


Efficiency and gain data

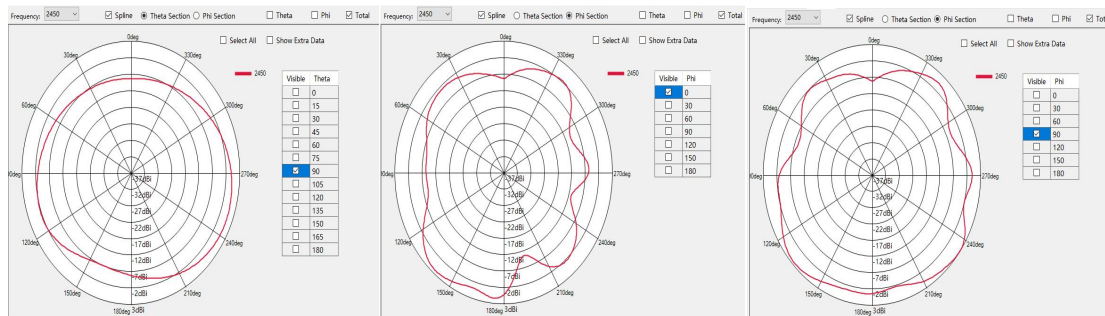
Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	2.53	56.98
2410	2.48	56.58
2420	2.33	56.76
2430	2.41	58.06
2440	2.28	58.67
2450	2.32	59.90
2460	2.19	58.07
2470	2.19	55.58
2480	2.15	53.70
2490	2.09	51.24
2500	1.79	48.73

RADIATION PATTERNS

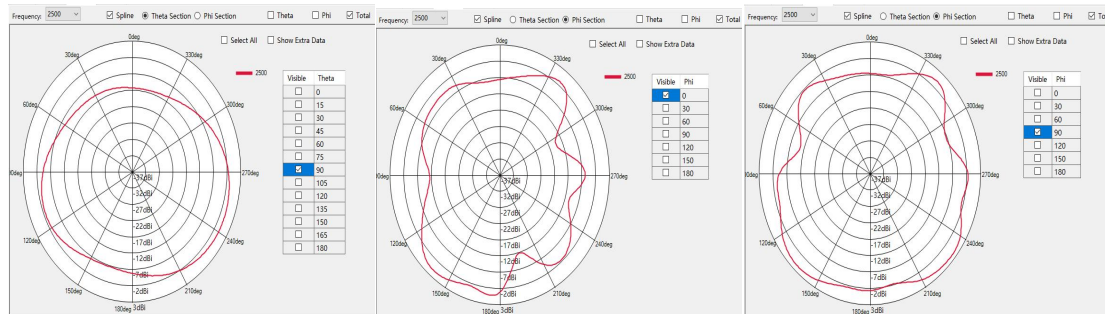
2D Radiation Pattern at 2400MHz



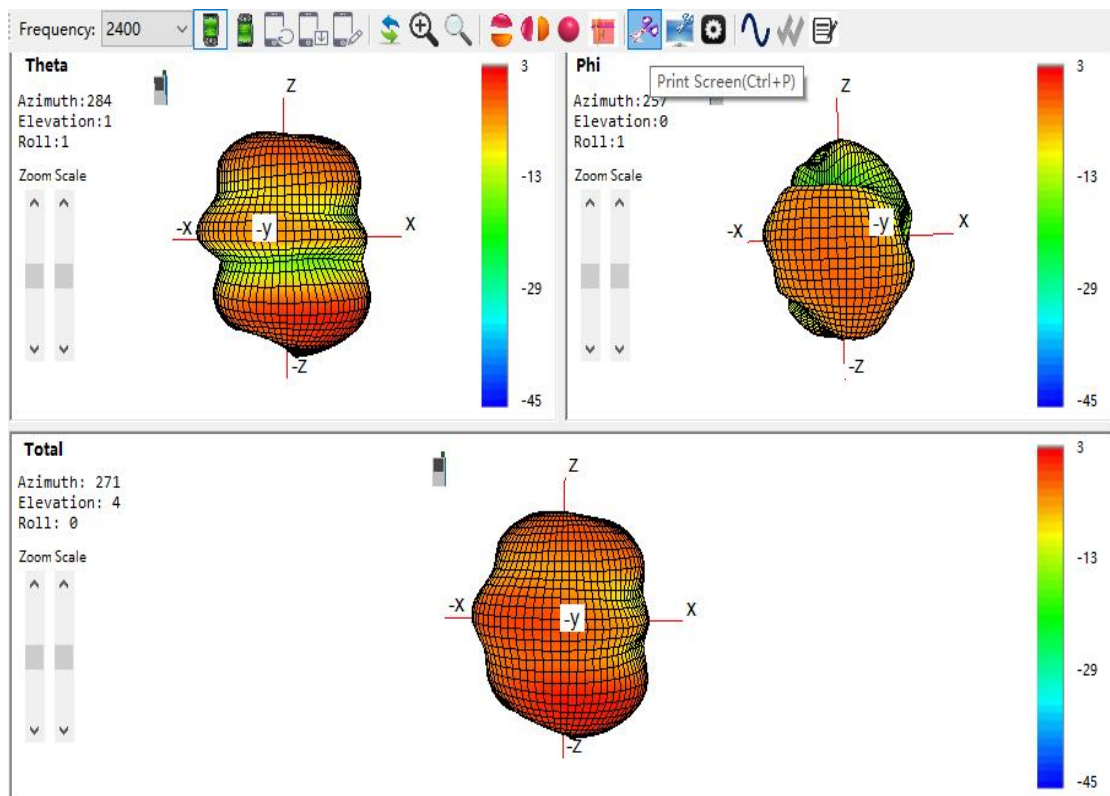
2D Radiation Pattern at 2450MHz



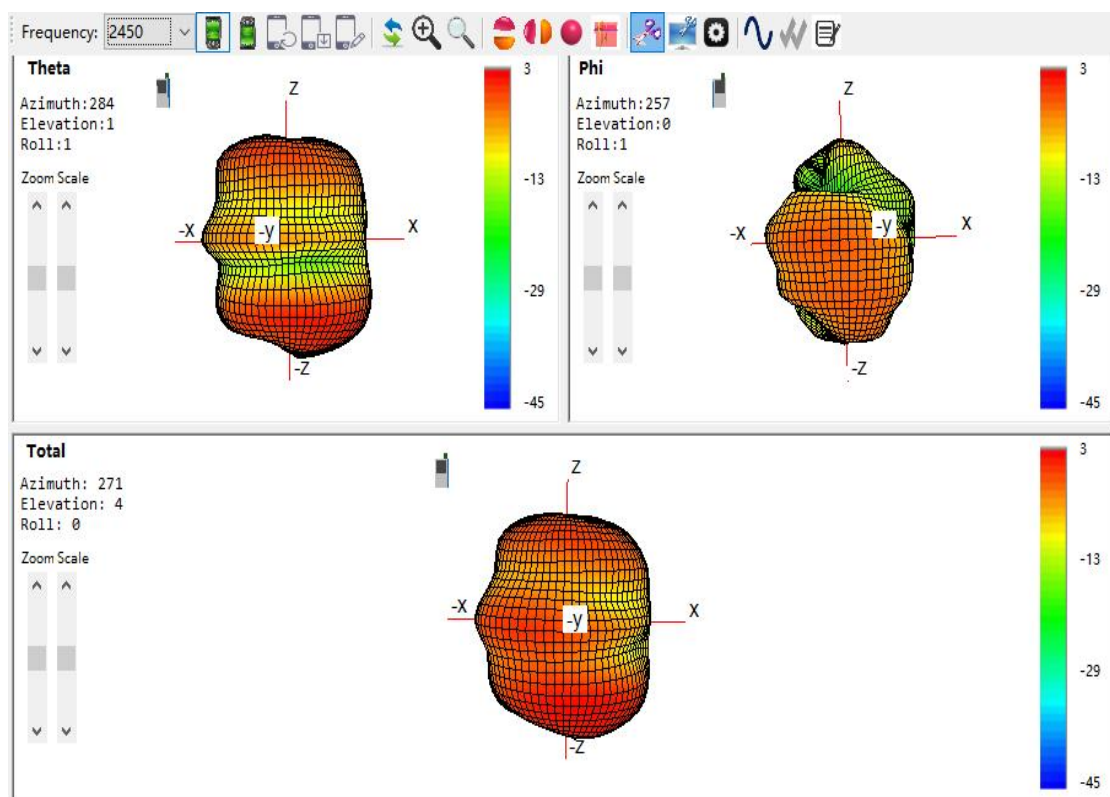
2D Radiation Pattern at 2500MHz



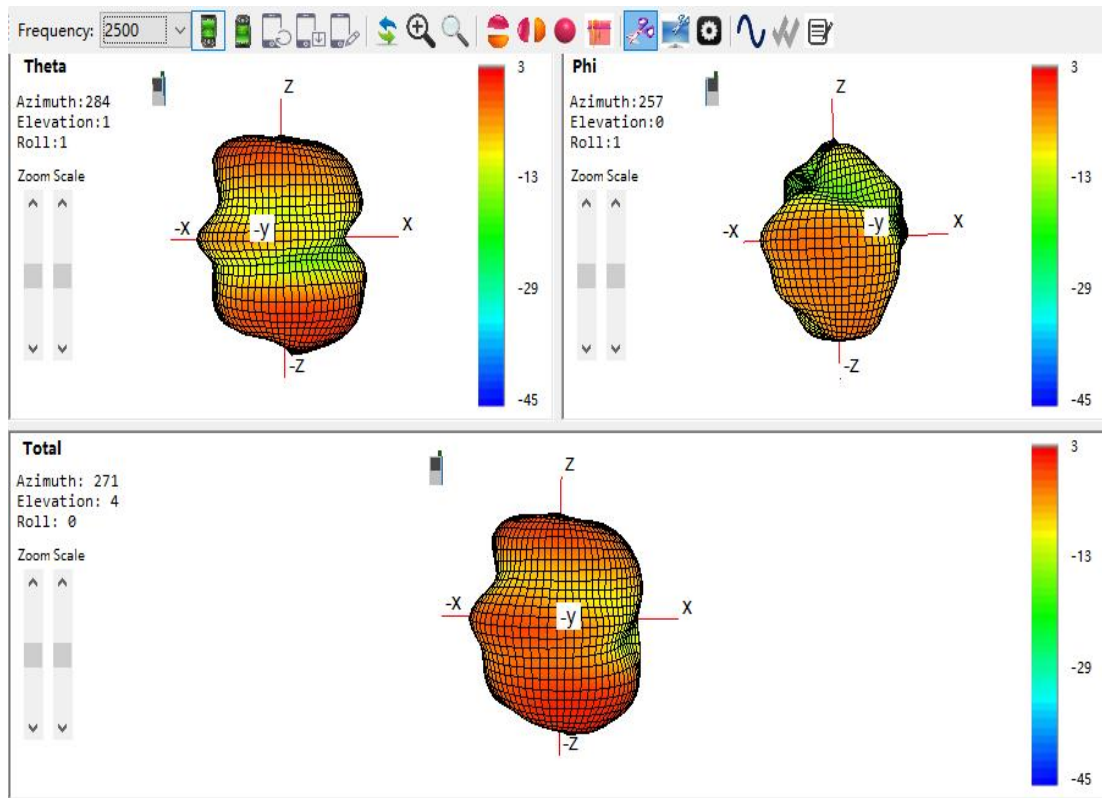
3D Radiation Pattern at 2400MHz



3D Radiation Pattern at 2450MHz



3D Radiation Pattern at 2500MHz



HOUSING CONFIGURATIONS

