



Product Specification

Material name: LG3 - WIFI1 antenna FPC

KXHC code: _____

Sample color: B1AC

Applicable model: LG3

Customer item No: _____

☒Standard sample ☐Limit sample

SUPPLIER: Changzhou Renqian Electronics Technology Co., LTD

Structure	Project	Quality	Sale	Research and development	Sample delivery date
Chen feifei	Ren shuquan	Yang shuirong	Zhou xiaoxiang	Si dengke	2022/12/12

CUSTOMER: Shanghai Heyi

Department	Confirm	Date	State	Signature and seal
Structure:				
Test:				
project:				

Version number: V03

Address: Changzhou Renqian Electric Technology Co., Ltd., Building 2, No. 17, Beitanghe East Road, Tianning District, Changzhou City, Jiangsu Province

TEL:0519-85787711

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CATALOGUE

ONE、COVER ☒

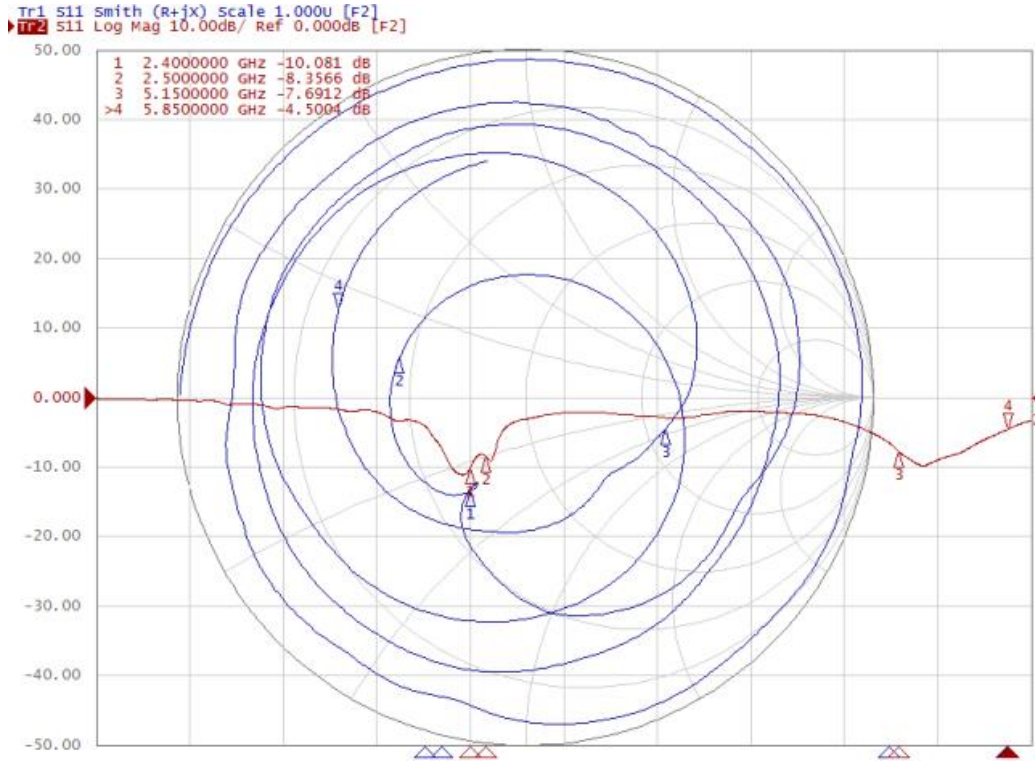
TWO、CATALOGUE ☒

THREE、PRINCIPLE&ELECTRICAL PERFORMANCE AND TESTREPORT ☒

FOUR、ENGINEERING DRAWING ☒

THREE、PRINCIPLE&ELECTRICAL PERFORMANCE AND TESTREPORT

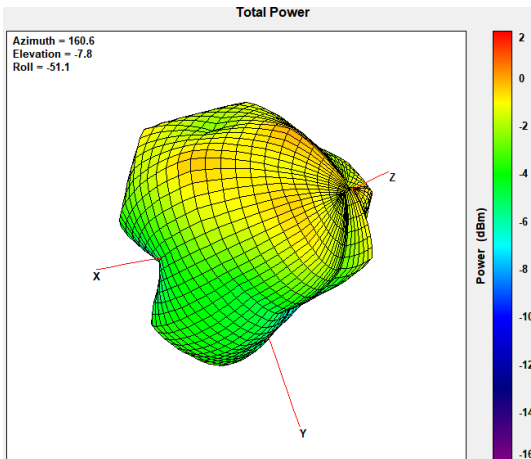
3.1 SLL



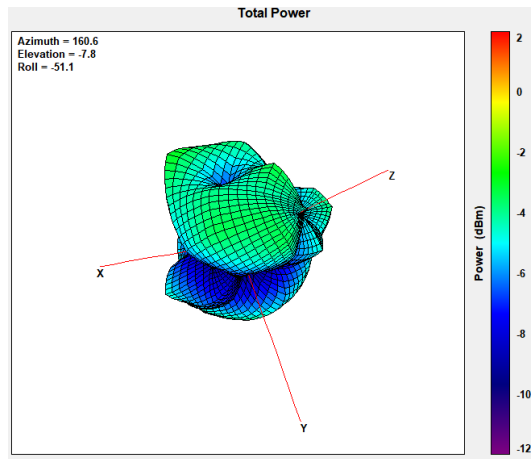
3.2 Passive Test Data

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
5150	-3.14	48.53	3.54	2400	-3.52	44.50	0.11
5200	-2.73	53.37	3.54	2410	-3.41	45.60	0.05
5250	-2.65	54.36	3.05	2420	-3.43	45.40	0.05
5300	-2.65	54.37	3.17	2430	-3.52	44.42	0.05
5350	-2.77	52.86	3.64	2440	-3.55	44.18	0.20
5400	-2.83	52.06	3.77	2450	-3.70	42.64	0.25
5450	-2.52	56.00	4.03	2460	-3.72	42.51	0.38
5500	-2.79	52.59	3.55	2470	-4.05	39.35	0.19
5550	-2.98	50.33	3.04	2480	-4.40	36.33	0.07
5600	-3.02	49.84	2.71	2490	-4.67	34.12	0.15
5650	-3.57	43.95	1.96	2500	-5.19	30.26	0.01
5700	-3.89	40.86	1.37				
5750	-4.41	36.22	0.54				
5800	-5.14	30.65	-0.21				
5850	-5.10	30.90	-0.26				

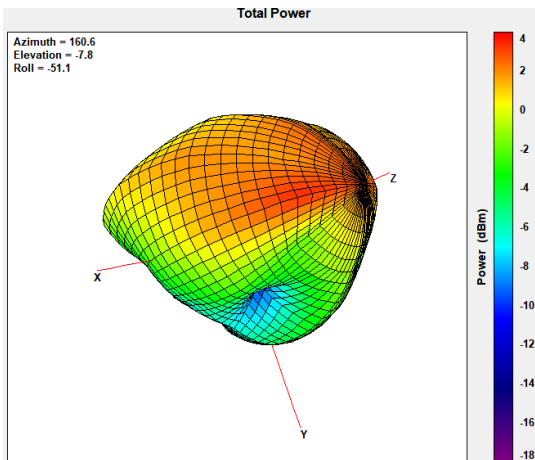
3.3 Antenna Radiation Pattern



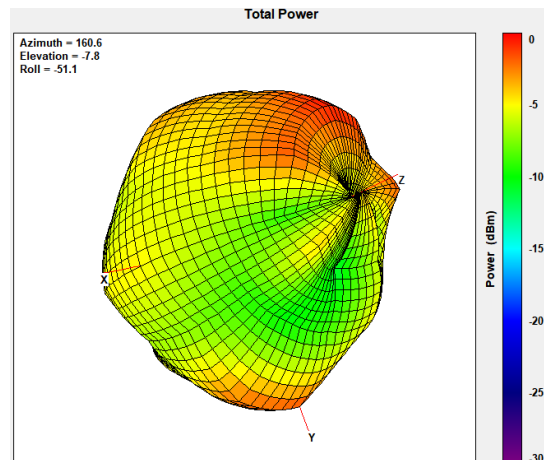
2400MHz 频点的 3D 辐射方向图
2400MHz band 3D radiation pattern



2500MHz 频点的 3D 辐射方向图
2500MHz band 3D radiation pattern



5150MHz 频点的 3D 辐射方向图
5150MHz band 3D radiation pattern



5850MHz 频点的 3D 辐射方向图
5850MHz band 3D radiation pattern

3.4 TEST DATA

Mode	Channel	Rate	TRP	Rate	TIS
11b	1	1Mbps	13.90	11Mbps	-84.42
	6		13.84		-84.42
	11		13.29		-82.79
11a	36	6Mbps	14.48	54Mbps	-69.63
	100		13.87		-72.64
	165		12.92		-70.90

FOUR、ENGINEERING DRAWING

