

深圳市亿圣邦科技有限公司

Shenzhen Yi Sheng Bang technology Co., LTD Antenna Test Report

Room 101, Building C, Shenzhen Qianwan Hard Technology Industrial Park,
Nanchang Community, Xixiang Subdistrict, Bao'an District, Shenzhen

Customer: 普耐尔

Project: JF1019(A8015)

Product: WIFI+GPS+LTE Antenna—FPC

Report date: 2025-12-12

Prepared by :陈仕联

Checked by :Eason Huang

Approved by :

Purpose

This report is to measure the performance of SLK for Master Antenna on 普耐尔. All measure data are showed below.

Content

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 - 4.1 LTE AUX Antenna VSWR/S11

1. Product Overview & Dimension

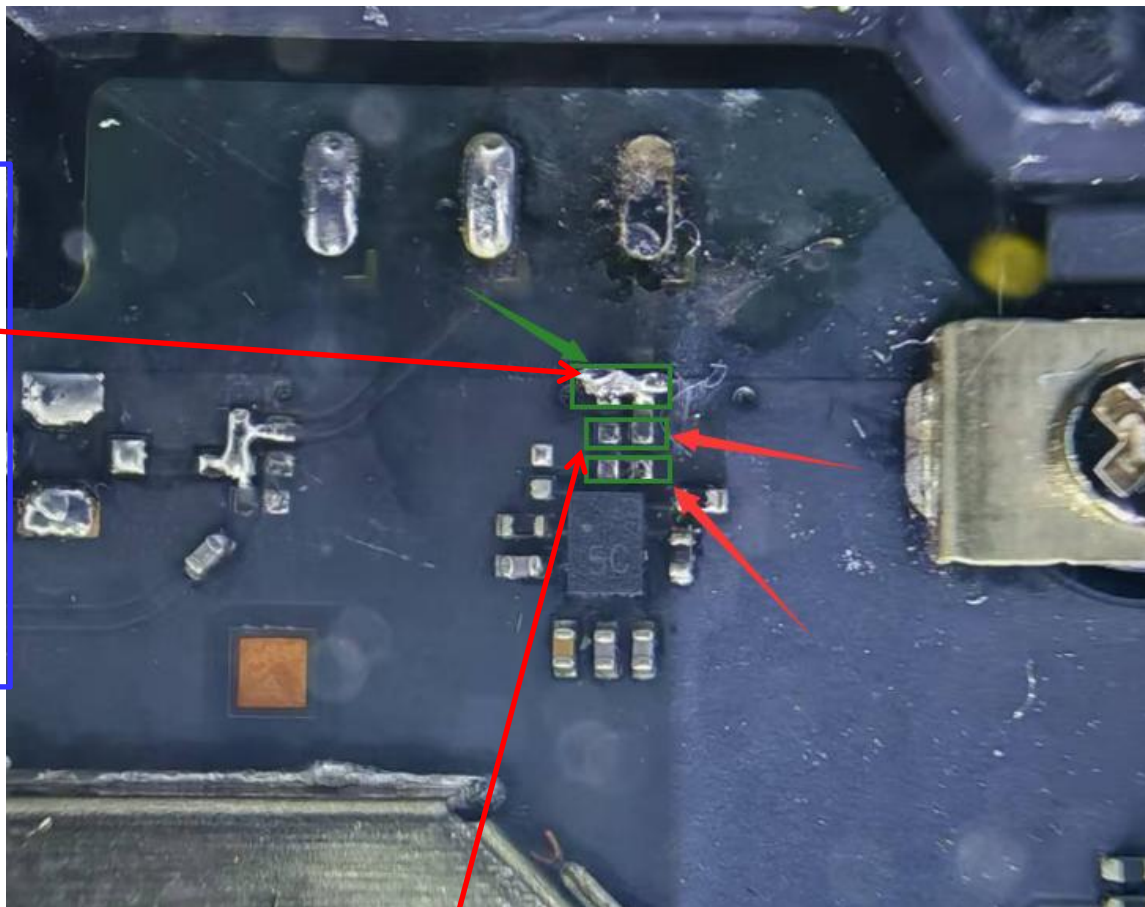


1. Product Overview & Dimension



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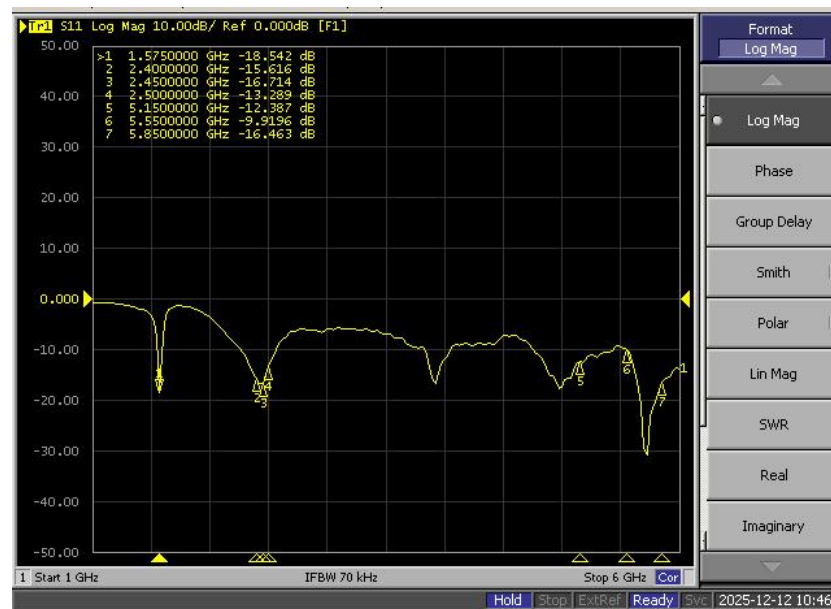
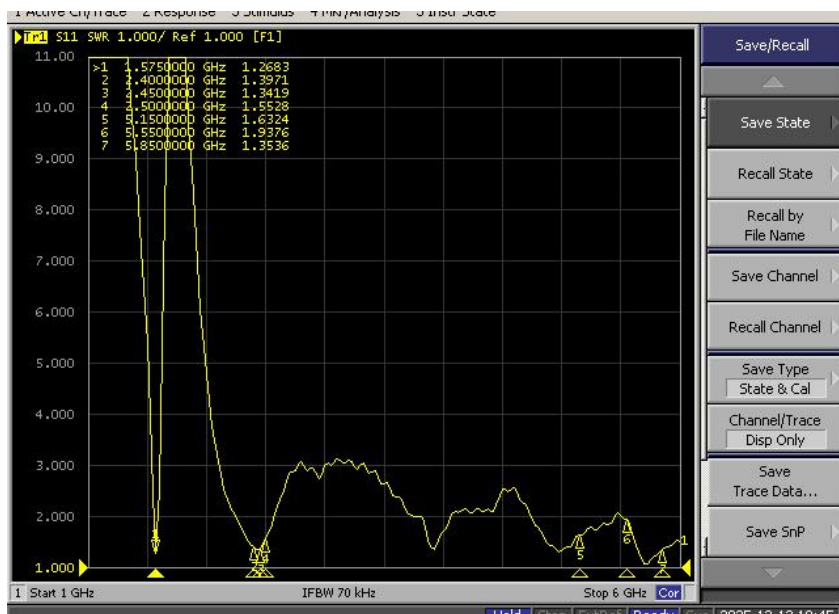
如图所示：
1.把绿色箭头框中的元器件改成
0欧下地



如图所示：
1.把红色箭头两个框中的2个元器件去掉。

2. Test Result

2.1 WIFI+GPS Antenna VSWR/S11



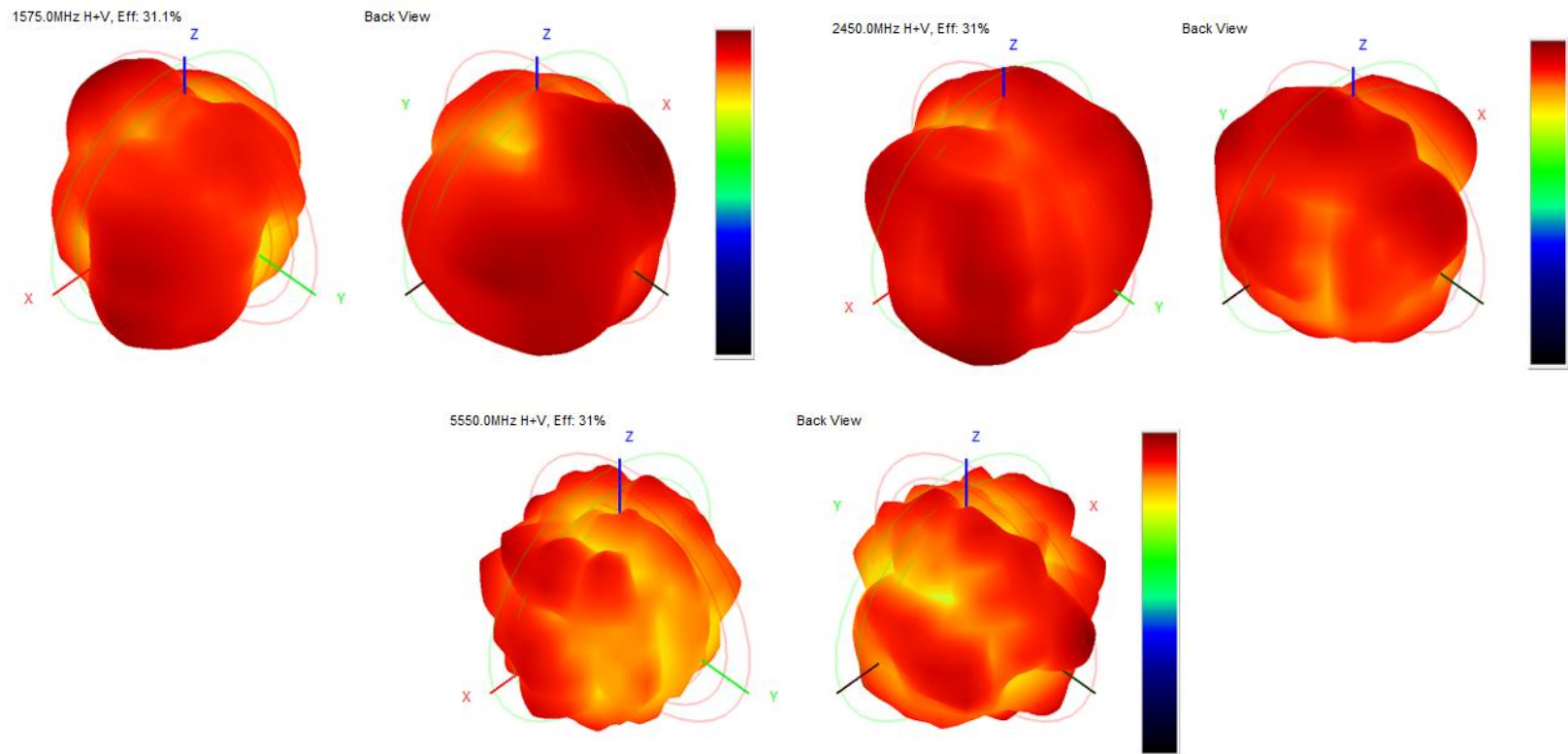
2. Test Result

2.2 WIFI+GPS Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	增益 (dbi)
1570.0	-5.09	0.59	30.94	0.59
1575.0	-5.07	0.35	31.07	
1580.0	-5.11	0.23	30.80	
2400.0	-5.18	1.14	30.33	1.26
2410.0	-4.84	1.19	32.74	
2420.0	-4.91	1.26	32.25	
2430.0	-5.06	1.14	31.13	
2440.0	-5.04	1.08	31.27	
2450.0	-5.09	1.16	30.96	
2460.0	-5.01	1.07	31.48	
2470.0	-4.94	1.11	32.00	
2480.0	-4.83	1.06	32.83	
2490.0	-5.08	1.29	31.04	
2500.0	-5.04	1.28	31.27	1.28
5150.0	-4.91	2.32	32.23	2.32
5350.0	-4.76	2.15	33.40	2.15
5550.0	-5.08	2.87	31.01	2.87
5850.0	-5.10	2.26	30.87	2.26

2. Test Result

2.2 WIFI+GPS Antenna Gain/Efficiency/3D DATA



2. Test Result

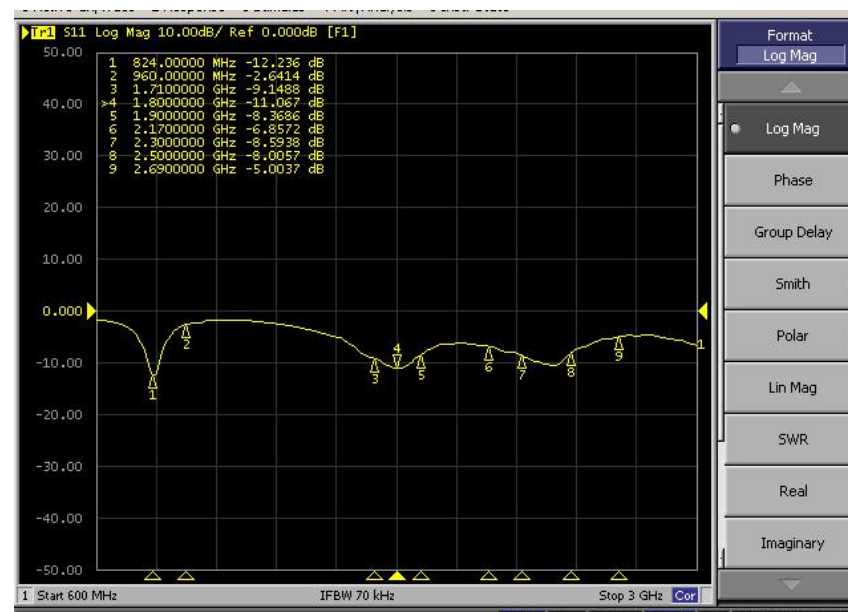
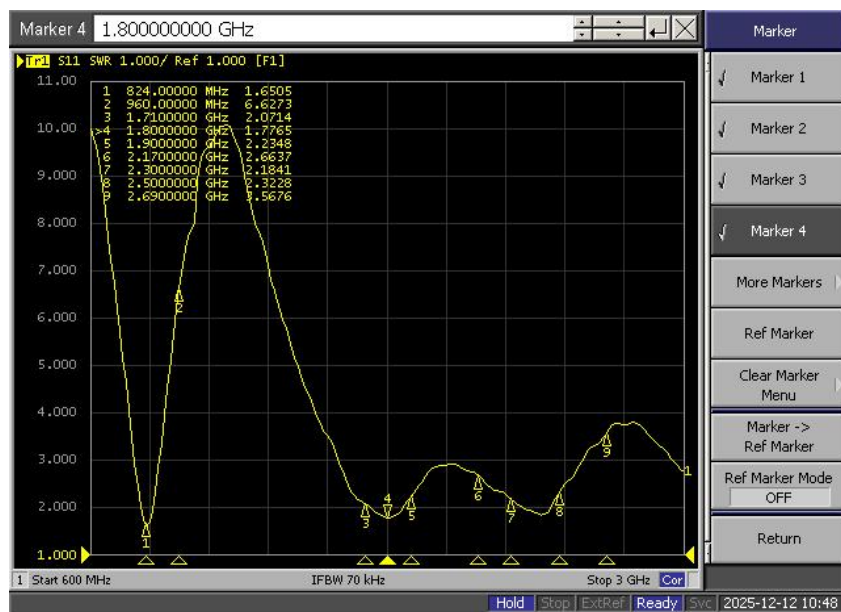
2.3 GPS test

GPS实际测试



3. Test Result

3.1 LTE MAIN Antenna VSWR/S11



3. Test Result

3.2 LTE Antenna TIS/TRP

2G频段	LTE-L	LTE-M	LTE-R	TIS	增益 (dbi)
GSM850	25.86	25.73	25.59	-102.31	0.8
GSM900	26.31	26.09	25.75	-102.19	0.9
GSM1800	23.69	24.27	24.48	-102.35	1.1
GSM1900	24.09	24.23	24.57	-102.41	1.2
3G频段	LTE-L	LTE-M	LTE-R	TIS	增益 (dbi)
WCDMA-B2	18.55	18.76	18.92	-103.26	1.2
WCDMA-B8	16.79	17.13	17.42	-102.57	0.9
4G频段	LTE-L	LTE-M	LTE-R	TIS	增益 (dbi)
LTE-1	19.08	19.37	19.03	-91.82	1.3
LTE-3	18.29	18.14	18.97	-92.42	1
LTE-4	18.07	17.08	18.51	-91.79	0.8
LTE-7	18.72	18.84	18.3	-91.62	1.6
LTE-66	16.39	16.41	17.61	-89.23	0.9

4. Test Result

4.1 LTE AUX Antenna VSWR/S11

