

深圳市亿圣邦科技有限公司

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

Customer: 格瑞邦

Project: GM1018

Product: WIFI/GPS+LTE Antenna—FPC

Report date: 2025-9-27

Prepared by :陈仕联

Checked by :Eason Huang

Approved by :

Purpose

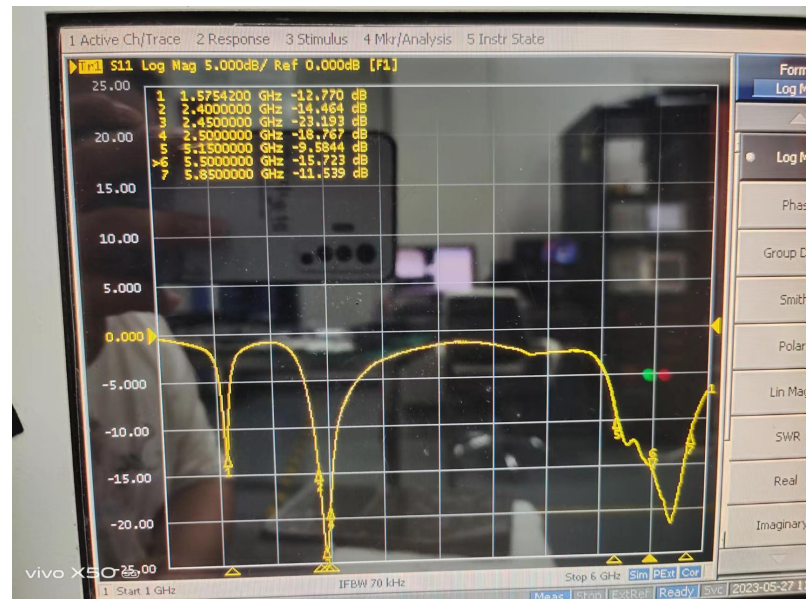
This report is to measure the performance of SLK for Master Antenna on格瑞邦. All measure data are showed below.

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2. Test Result

2.1 WIFI+GPS Antenna VSWR/S11



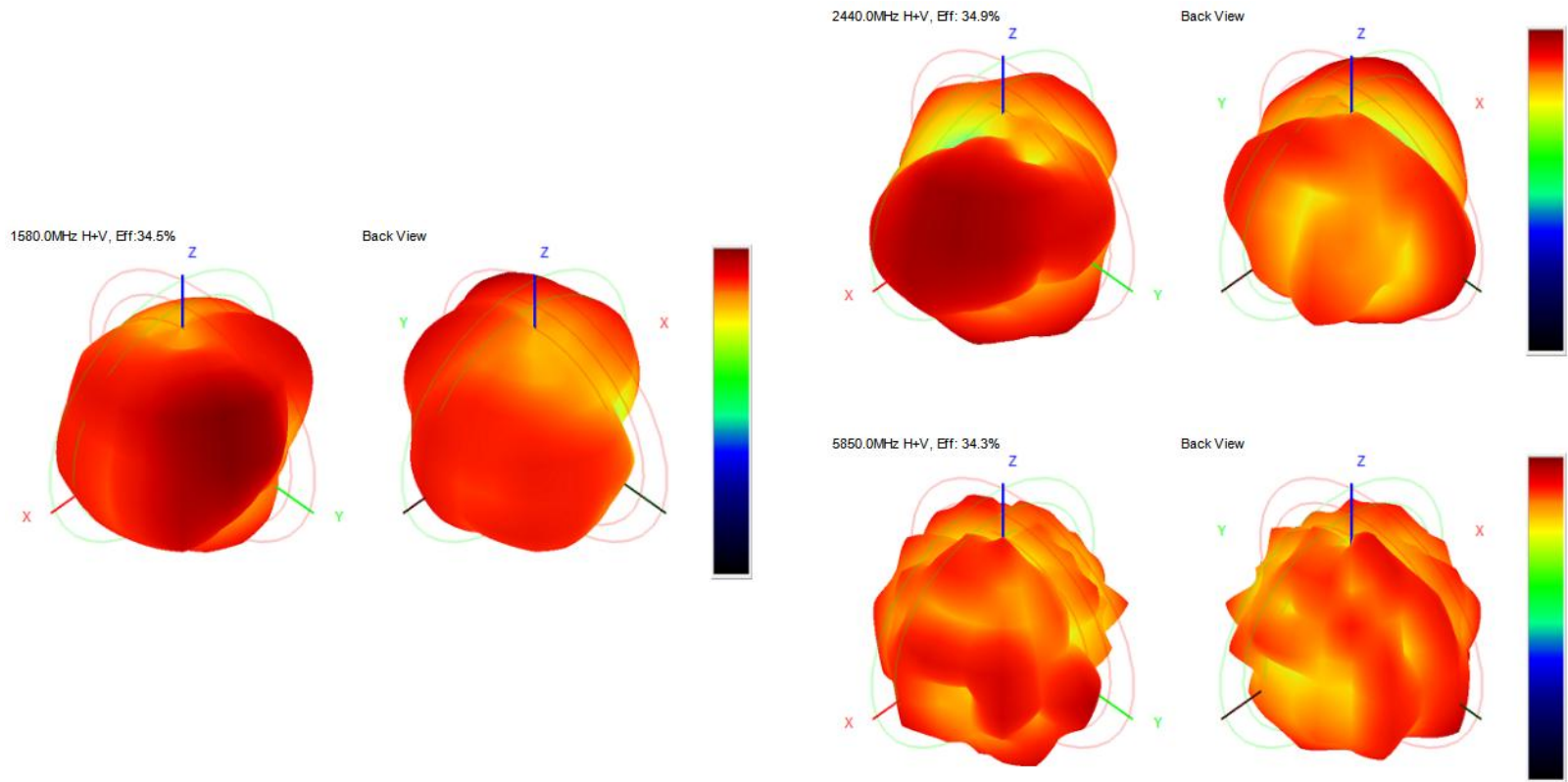
2. Test Result

2.2 WIFI+GPS Antenna Gain/Efficiency

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	天线增益 (dbi)
1570.0	-4.78	0.61	33.25	0.82
1575.0	-4.68	0.73	34.08	
1580.0	-4.63	0.82	34.46	
2400.0	-4.78	0.89	33.23	1.27
2410.0	-4.76	1.19	33.44	
2420.0	-4.68	1.13	34.01	
2430.0	-4.60	1.12	34.65	
2440.0	-4.58	1.27	34.86	
2450.0	-4.77	0.85	33.34	
2460.0	-4.67	1.16	34.15	
2470.0	-4.75	1.13	33.51	
2480.0	-4.60	0.74	34.64	
2490.0	-4.68	1.02	34.04	
2500.0	-4.70	0.97	33.91	
5150.0	-4.94	1.57	32.03	1.57
5250.0	-4.72	2.07	33.74	2.07
5350.0	-4.86	1.61	32.69	1.61
5550.0	-4.66	1.72	34.21	1.72
5750.0	-4.53	1.51	35.23	1.51
5850.0	-4.65	1.44	34.31	1.44

2. Test Result

2.2 WIFI+GPS Antenna Gain/Efficiency



2. Test Result

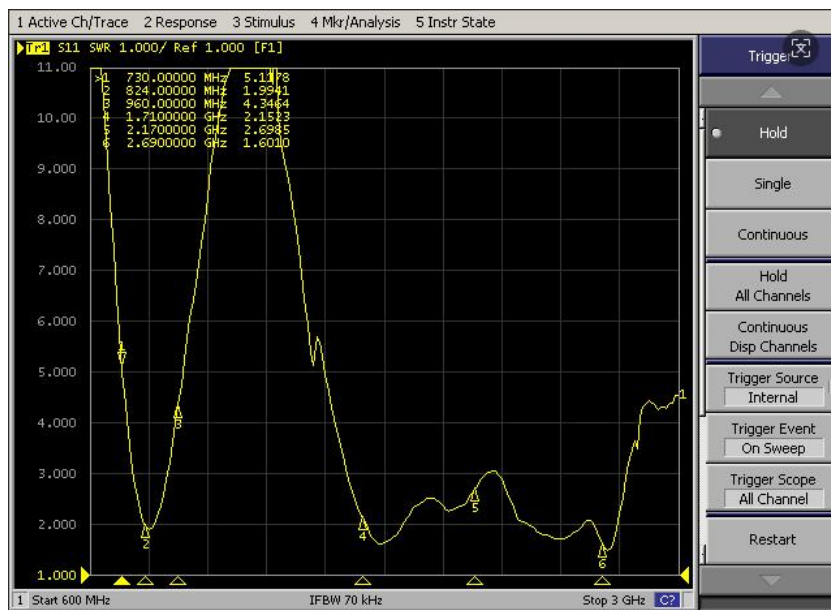
2.5 GPS test

GPS实际测试



3. Test Result

3.1 LTE MAIN Antenna VSWR/S11



3. Test Result

3.3 LTE Antenna TIS/TRP

2G 频段	LTE-L	LTE-M	LTE-R	TIS	增益 (dbi)
GSM850	26.08	25.67	25.06	-102.13	0.8
GSM900	25.88	25.49	25.12	-102.08	0.9
GSM1800	23.66	23.54	23.38	-102.34	1.1
GSM1900	23.69	23.44	23.26	-102.41	1.2
3G 频段	LTE-L	LTE-M	LTE-R	TIS	增益 (dbi)
WCDMA-B1	16.49	16.62	16.32	-102.48	1.1
WCDMA-B8	15.96	16.23	16.57	-102.23	0.8
4G 频段	LTE-L	LTE-M	LTE-R	TIS	增益 (dbi)
LTE-1	16.57	16.58	16.93	-91.1	1.1
LTE-2	16.51	16.06	16.35	-92.06	1.2
LTE-3	16.1	16.28	16.27	-90.66	1
LTE-4	16.39	16.43	16.07	-89.22	1
LTE-5	16.4	16.97	16.28	-88.94	0.8
LTE-7	17.19	17.61	17.39	-91.8	1.6
LTE-8	15.9	15.84	16.25	-87.51	0.9
LTE-12	13.02	13.18	13.32	-87.25	0.6
LTE-13		17.51		-87.04	0.8
LTE-17	13.13	13.28	13.56	-87.09	0.6
LTE-28	12.86	13.06	13.36	-86.45	0.7
LTE-38	16.64	17.05	17.28	-89.43	1.5
LTE-40	16.22	16.49	16.72	-89.52	1.4
LTE-41		16.58		-88.63	1.5



5. Conclusions

Thank you