

深圳市亿圣邦科技有限公司

manufacturer:
Shenzhen Yishengbang Technology Co., Ltd.

Customer: 三奕

ANT Model: SLK-SY-3212A2-R-200IV-G-1.13, SLK-SY-3212A3-L-80IV-B-1.13

Antenna Type: FPC Antenna

Report date: 2024-7-25

manufacturer add: 101, Building C, Shenzhen Qianwan
Hard Technology Industrial Park, Xixiang Street, Bao'an
District, Shenzhen

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Checked by : Eason Huang

Approved by :



Purpose

This report is to measure the performance of SLK for Master Antenna on 三奕. All measure data are showed below.

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2. Test Result

2.1 WIFI Antenna VSWR/S11

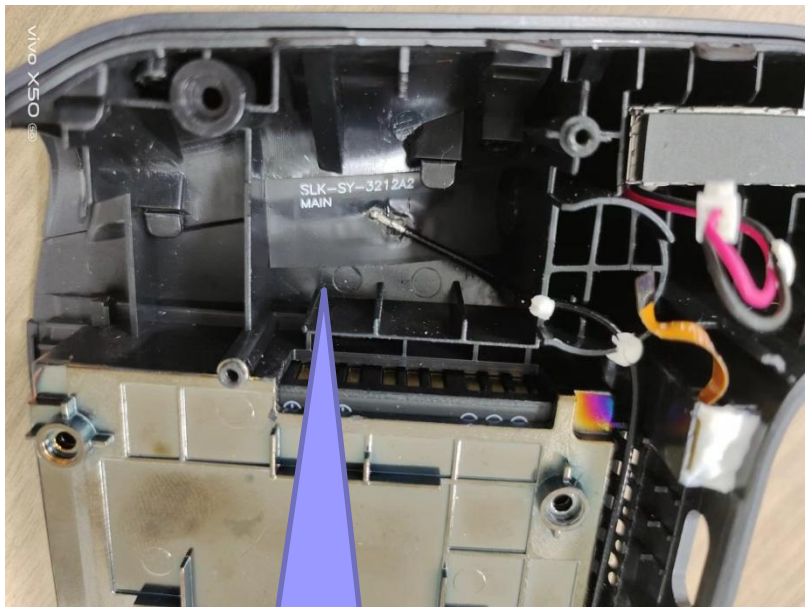
2.2 Antenna Parameter

2.3 WIFI Antenna Gain/Efficiency/3D DATA

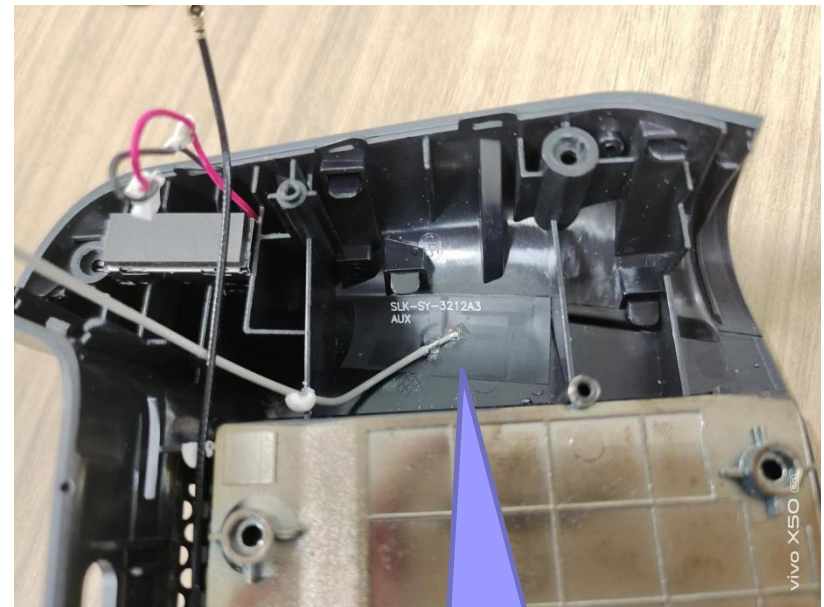
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1. Product Overview



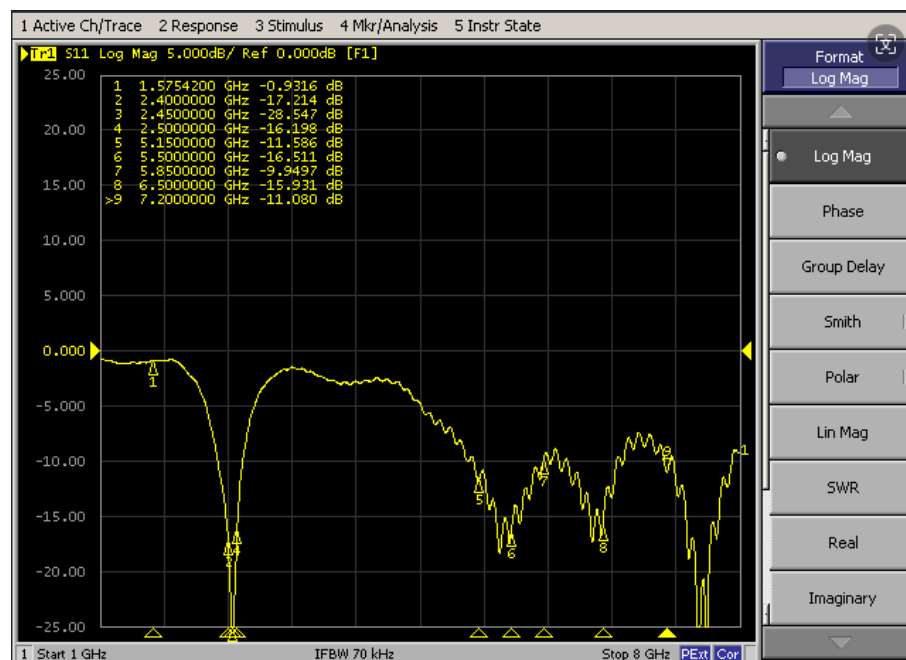
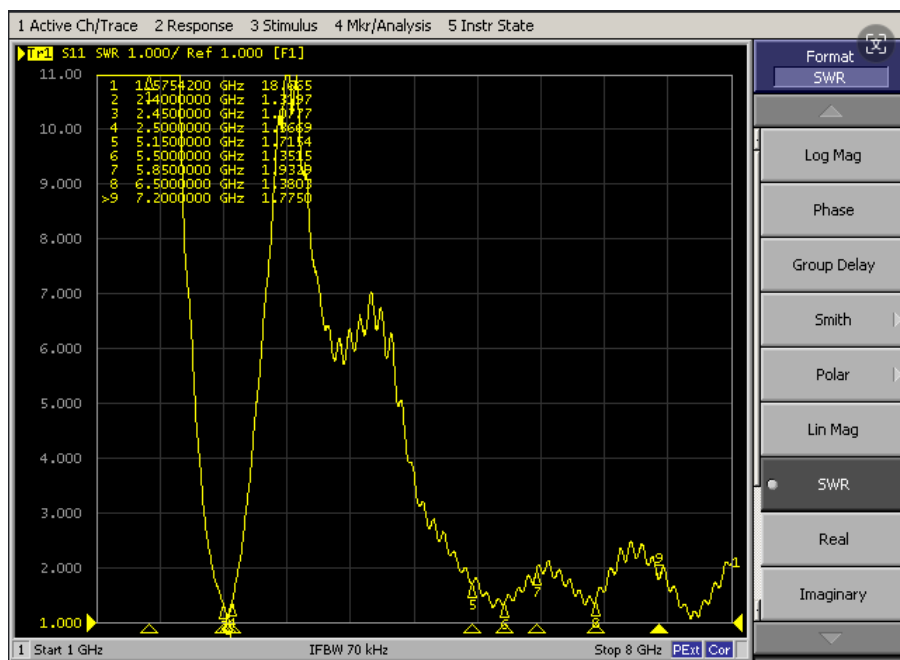
WIFI-AUX天线



WIFI-MAIN天线

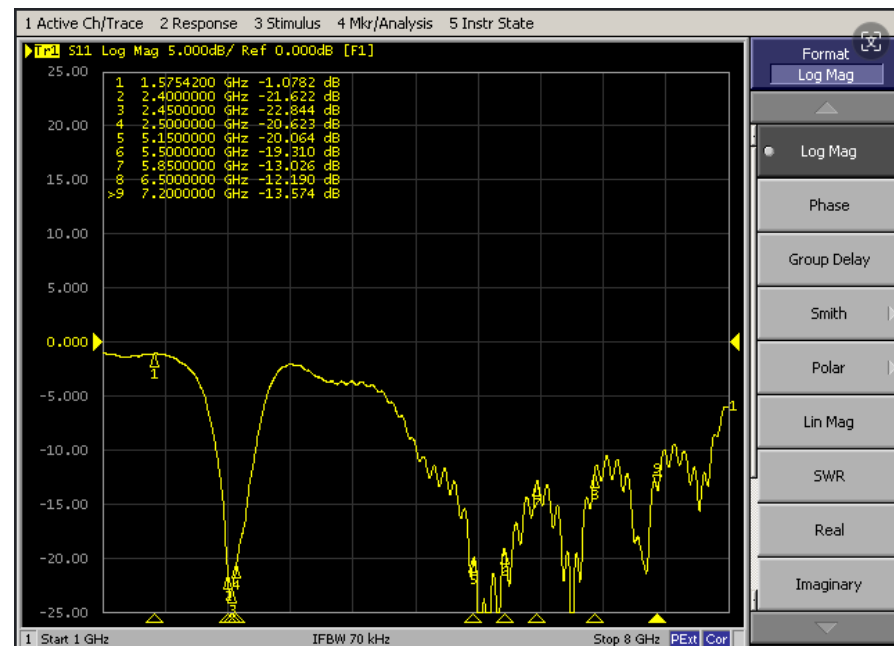
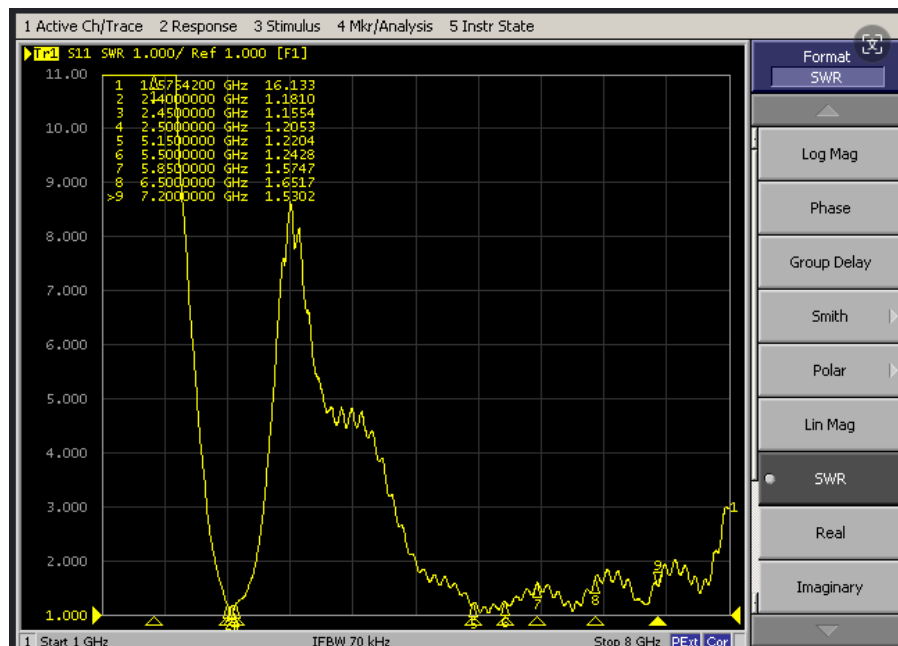
2. Test Result

2.1 WIFI MAIN Antenna VSWR/S11



2. Test Result

2.1 WIFI AUX Antenna VSWR/S11





2. Test Result

2.2 Antenna Parameters

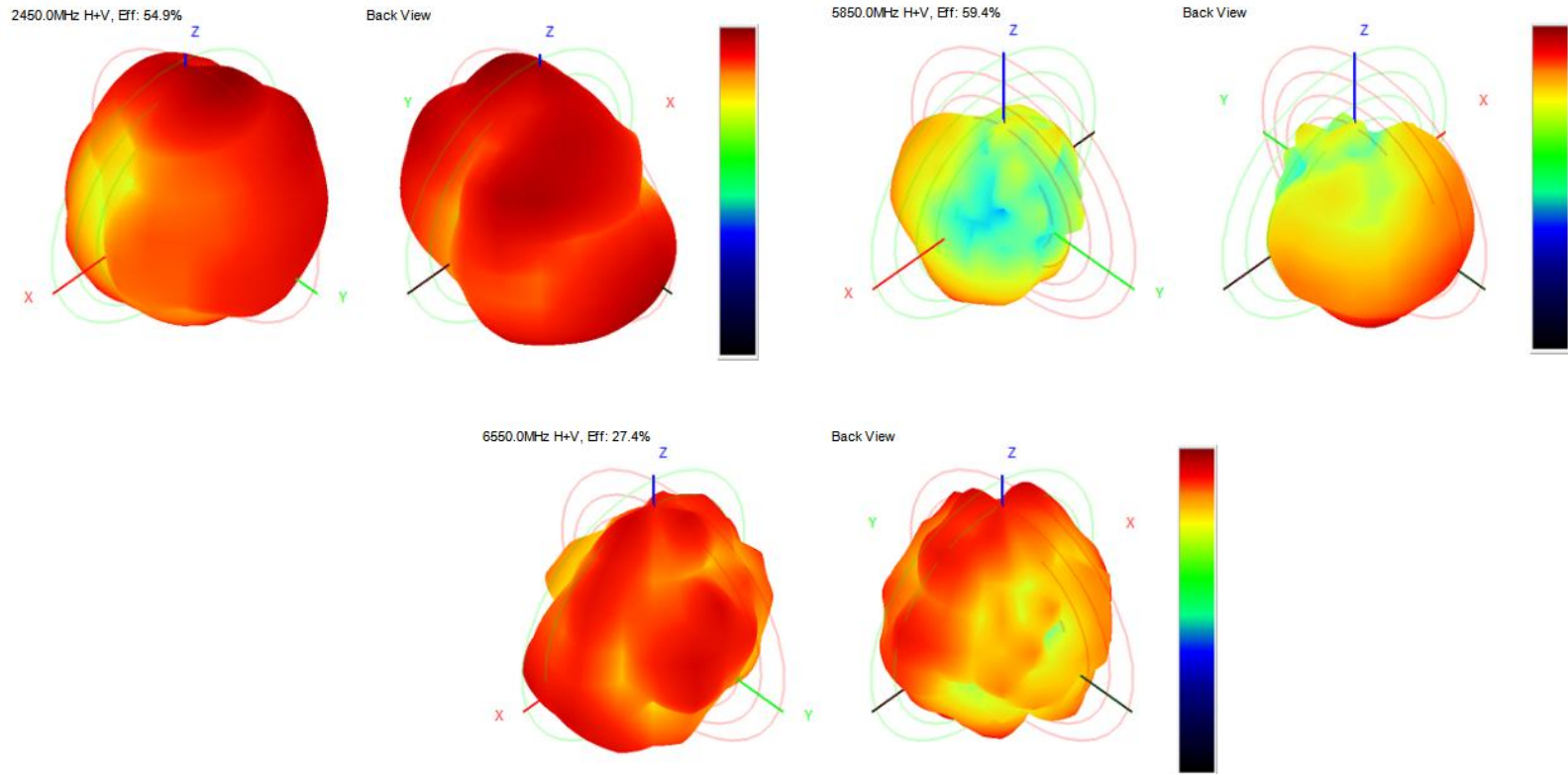
2. Test Result

2.3 WIFI (MAIN)Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.65	0.97	43.18	5750	-2.48	2.90	56.51
2410	-3.32	1.13	46.54	5850	-2.26	2.99	59.37
2420	-2.59	1.90	55.03	6050	-2.65	2.94	54.23
2430	-2.64	1.90	54.47	6150	-3.14	2.56	48.46
2440	-2.43	2.17	57.1	6250	-3.56	2.97	43.97
2450	-2.61	2.07	54.89	6350	-4.21	2.63	37.91
2460	-2.41	2.60	57.37	6450	-4.88	2.13	32.44
2470	-2.8	2.33	52.47	6550	-5.62	2.78	27.42
2480	-2.82	2.53	52.18	6650	-5.71	2.68	26.87
2490	-2.78	2.69	52.7	6750	-6.15	2.05	24.25
2500	-2.96	2.52	50.57	6850	-5.5	2.36	28.19
5150	-3.2	2.82	47.85	6950	-5.51	2.28	28.13
5350	-3.01	2.83	49.95	7050	-5.24	2.17	29.94
5550	-2.83	2.34	52.07	7150	-5.59	2.14	27.58

2. Test Result

2.3 WIFI (MAIN)Antenna Gain/Efficiency/3D DATA



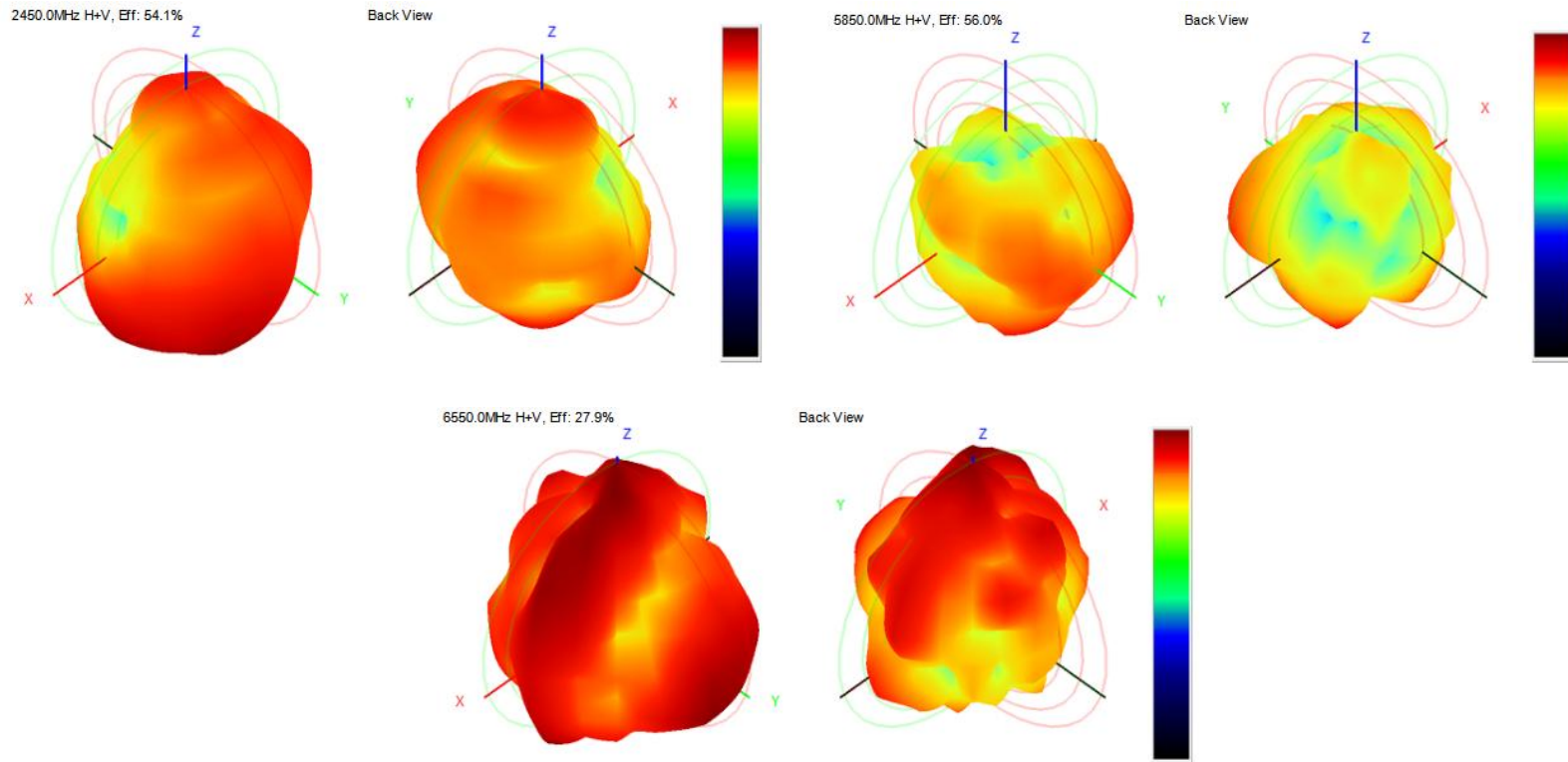
2. Test Result

2.3 WIFI(AUX) Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-2.66	2.32	54.19	5750	-2.41	2.52	57.42
2410	-2.67	2.44	54.02	5850	-2.52	2.69	55.99
2420	-2.39	2.92	57.68	6050	-3.04	2.13	49.59
2430	-2.48	2.65	56.53	6150	-3.63	2.31	43.33
2440	-2.5	2.85	56.23	6250	-4.43	2.73	36.02
2450	-2.67	2.64	54.11	6350	-4.95	2.13	32.01
2460	-2.4	2.23	57.58	6450	-5.34	2.31	29.21
2470	-2.8	3.00	52.42	6550	-5.55	2.00	27.87
2480	-2.74	2.71	53.22	6650	-5.54	2.22	27.93
2490	-2.64	2.43	54.43	6750	-5.28	2.39	29.66
2500	-2.75	2.19	53.05	6850	-4.79	2.58	33.16
5150	-3.89	1.35	40.85	6950	-5.2	2.23	30.19
5350	-3.79	1.44	41.76	7050	-5.3	2.04	29.52
5550	-3.08	2.38	49.22	7150	-5.86	2.28	25.96

2. Test Result

2.3 WIFI(AUX) Antenna Gain/Efficiency/3D DATA



2. Test Result

2.4 WIFI Active Test

WIFI Active testing			
Frequency	1	6	11
B-TRP-11MBps	11.32	12.36	11.78
B-TIS-11MBps	-80.42	-81.7	-80.68
G-TRP-54MBps	11.65	13.12	13.36
G-TIS-54MBps	-67.6	-68.23	-68.48
N-TRP-MCS7	11.62	13.53	13.83
N-TIS-MCS7	-65.81	-66.11	-65.42
Frequency	36	149	165
A-TRP-54MBps	11.49	13.47	13.51
A-TIS-54MBps	-71.17	-72.09	-72.69



3. Conclusions

Thank you