

ANTENNA TEST REPORT

TP: Shenzhen Ugoos Technology Co., Ltd

MN: PCB_ANT_PA-110

RF: XINGYUANCHUANG TECHNOLOGY

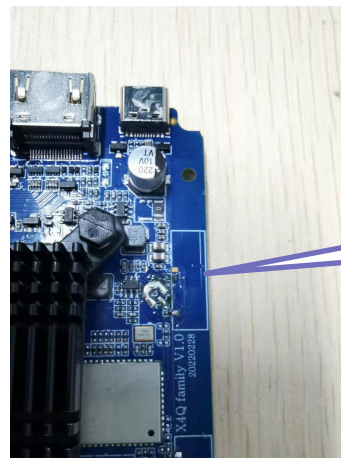
Purpose

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

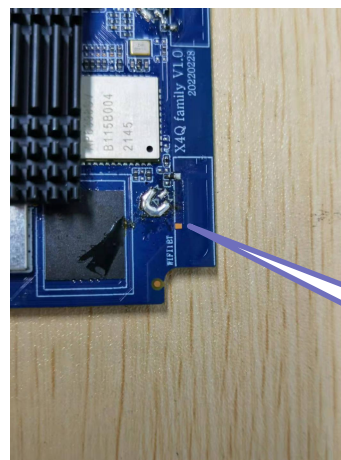
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1. Product Overview & Dimension



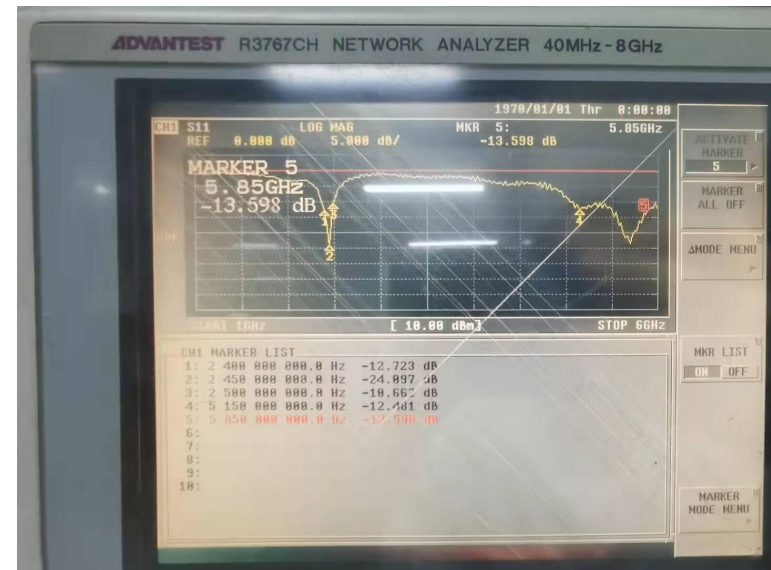
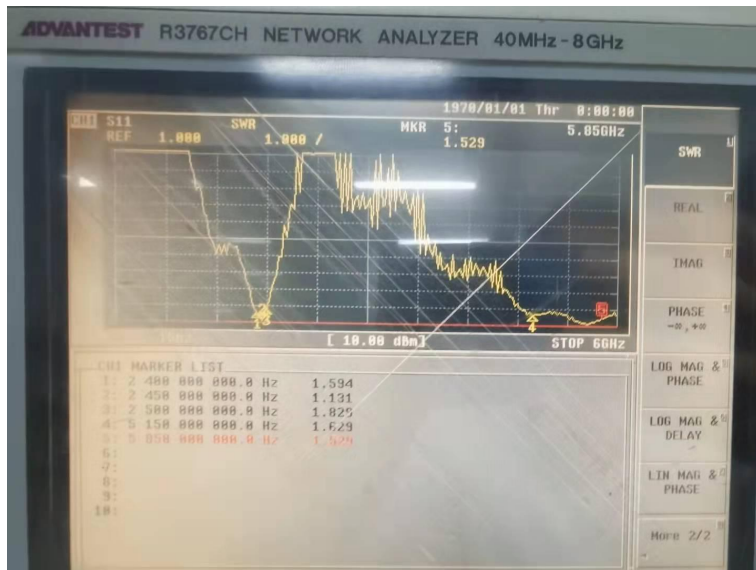
WIFI 1 天线



WIFI 2 天线

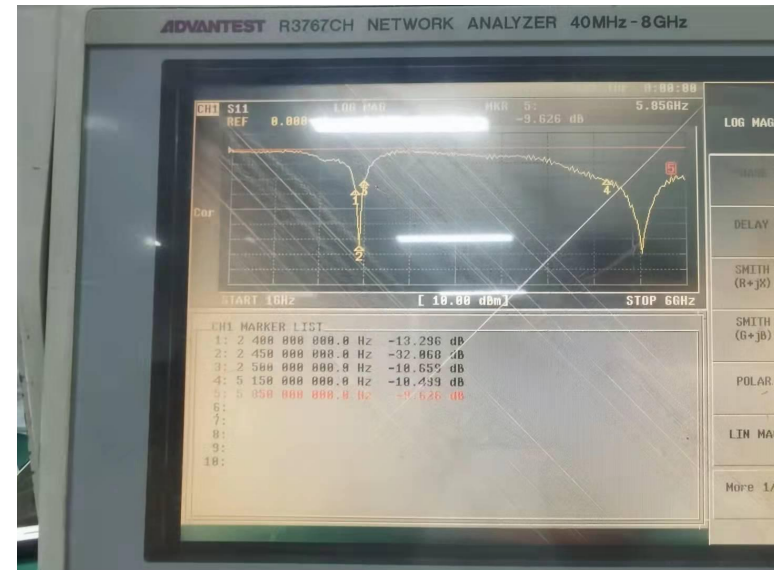
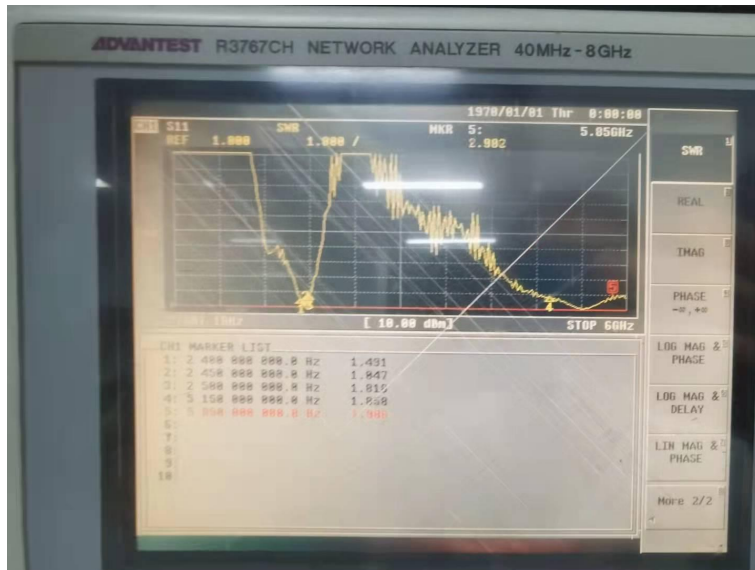
2. Test Result

2.1 WIFI 1 Antenna VSWR/S11



2. Test Result

2.1 WIFI 2 Antenna VSWR/S11



2. Test Result

2.2 Antenna parameters



2. Test Result

2.3 WIFI Antenna Gain/Efficiency/3D DATE

WIFI 1

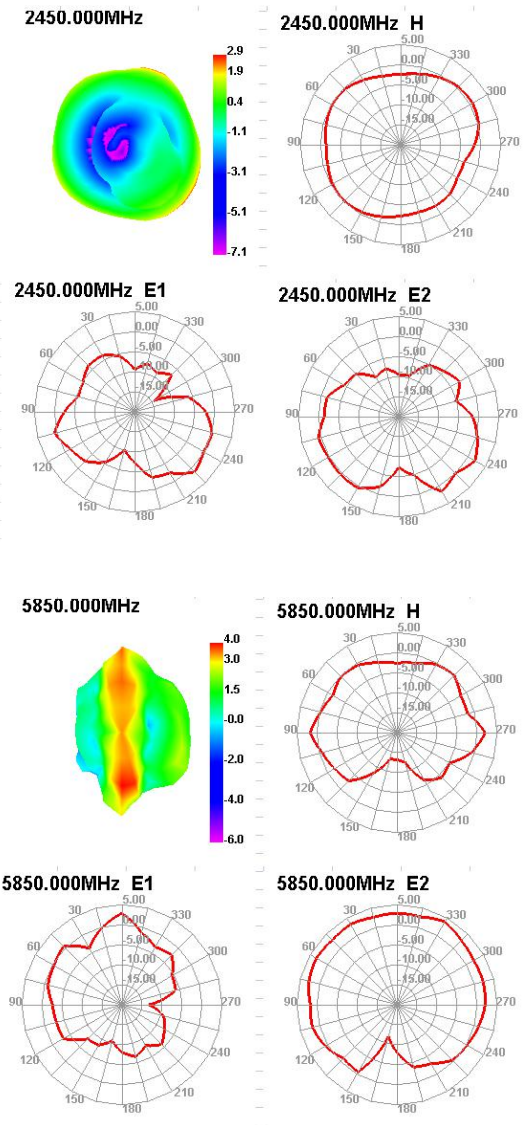
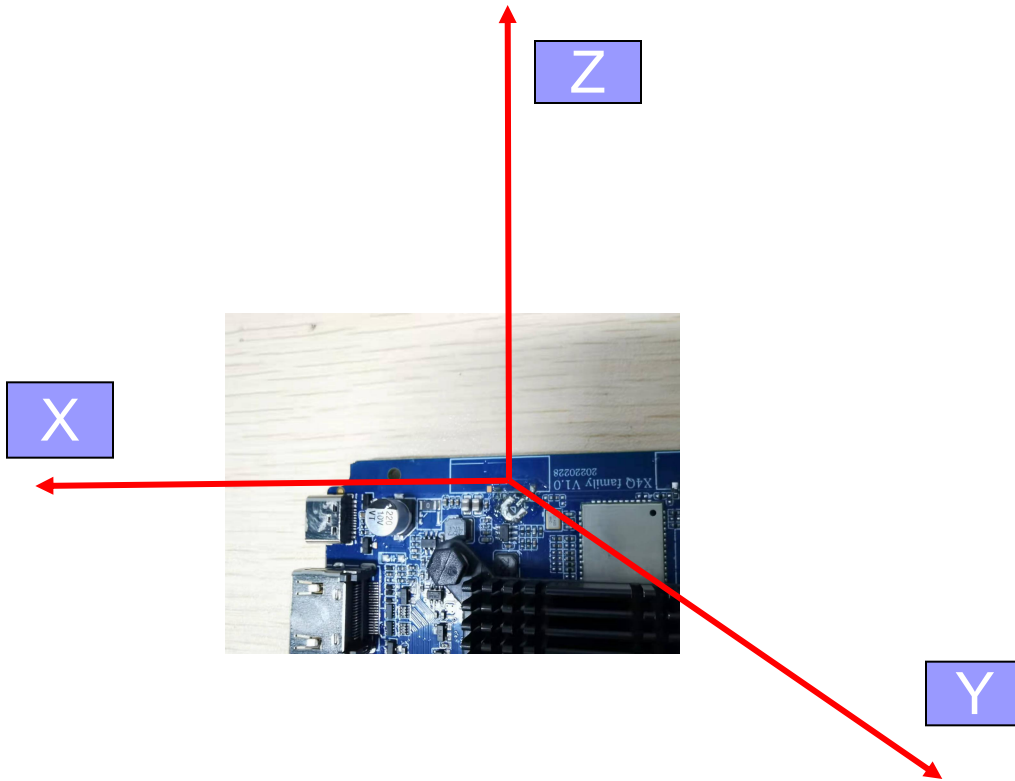
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	52.71	-2.78	1.18
2410	64.46	-1.91	2.06
2420	60.39	-2.19	1.9
2430	67.47	-1.71	2.5
2440	60.82	-2.16	2.18
2450	69.92	-1.55	2.92
2460	63.43	-1.98	2.41
2470	67.16	-1.73	2.72
2480	67.51	-1.71	2.83
2490	70.19	-1.54	3.11
2500	71.22	-1.47	3.39
5150	49.83	-3.02	1.85
5250	60.26	-2.2	2.84
5550	62.77	-2.02	3.16
5750	66.25	-1.79	3.41
5850	69.3	-1.59	3.96

WIFI 2

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	33.84	-4.71	-0.34
2410	45.05	-3.46	0.87
2420	40.96	-3.88	0.47
2430	44.42	-3.52	0.7
2440	40.62	-3.91	0.29
2450	45.62	-3.41	0.9
2460	46.04	-3.37	0.91
2470	42.22	-3.75	0.61
2480	45.32	-3.44	1
2490	38.02	-4.2	0.3
2500	45.82	-3.39	1.26
5150	49.56	-3.05	0.61
5250	58.77	-2.31	1.8
5550	58.65	-2.32	1.94
5750	65.22	-1.86	2.67
5850	69.58	-1.58	2.78

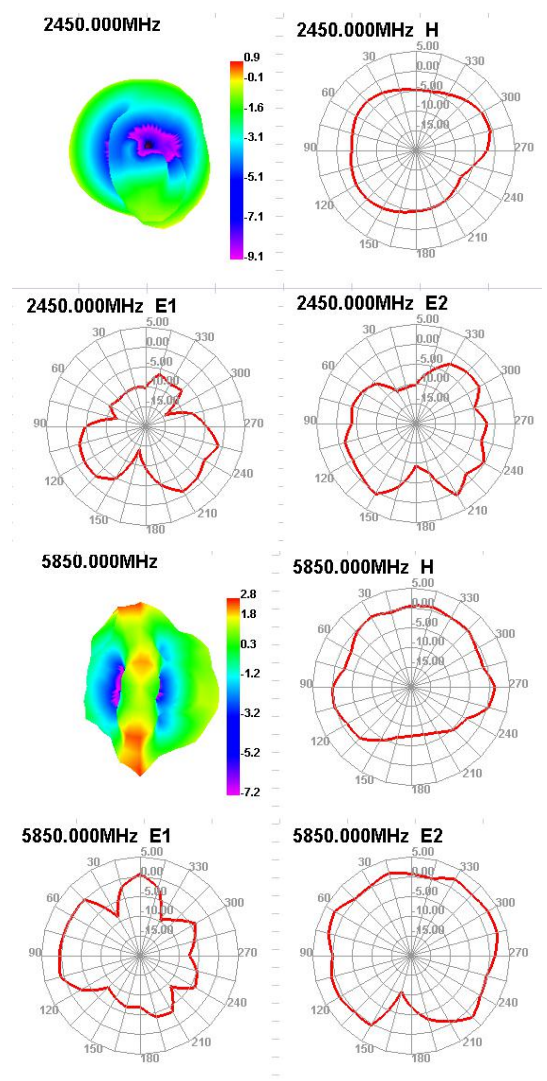
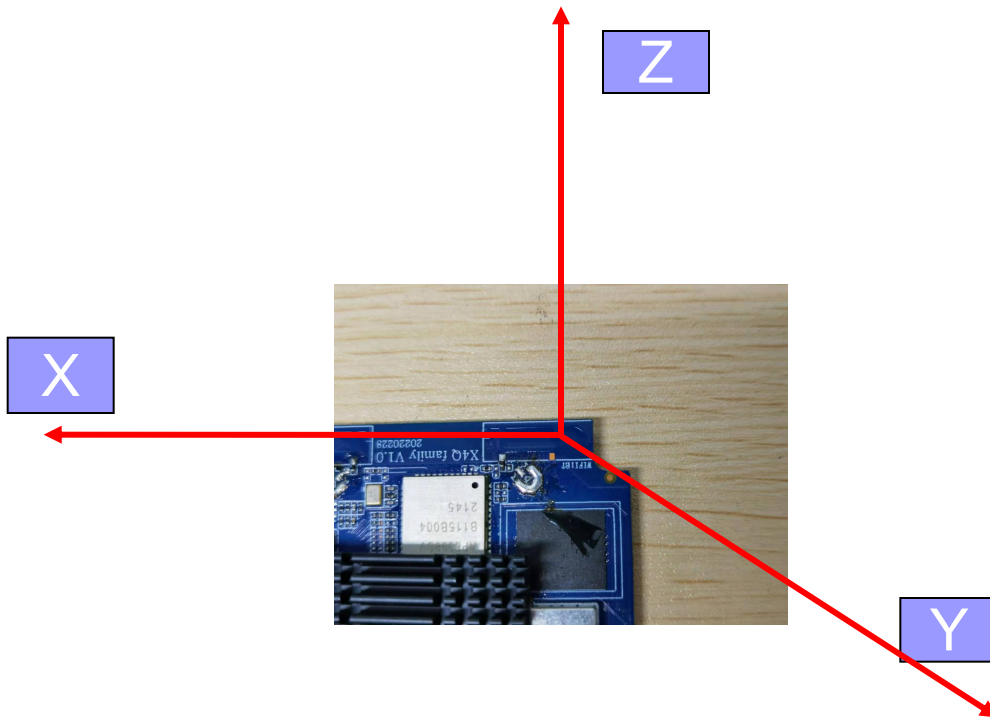
2. Test Result

2.3 WIFI 1 Antenna Gain/Efficiency/3D DATE



2. Test Result

2.3 WIFI 2 Antenna Gain/Efficiency/3D DATE



2. Test Result

2.4 Antenna Throughput data

艾科板载吞吐量数据：

2.4G 20M		上传	下载
	自动	94.8	105
	CH1	88.1	76
	CH6	56.4	96
	CH11	100	113

5G 80M		上传	下载
	自动	330	365
	CH36	318	339
	CH149	333	323
	CH161	331	347