

深圳市亿圣邦科技有限公司

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: 迈迪杰

Project: PN01-C

Product: WIFI

Report date: 2024-05-23

Prepared by : 刘顺

Checked by : 黄震

Approved by : 林美财

Purpose

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

Content

1. Product Overview

2. Test Result

2.1 WIFI MAIN/AUX Antenna VSWR

2.2 Antenna Parameters

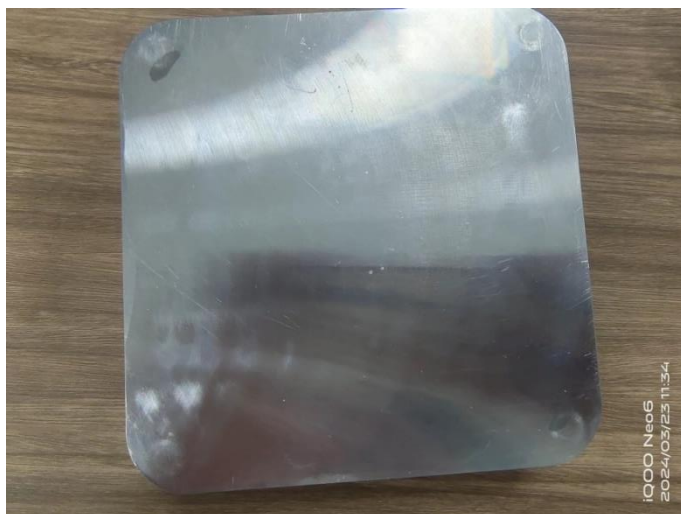
2.3 WIFI MAIN/AUX Antenna Gain/Efficiency/3D DATA

2.4 WIFI throughput test

2.5 Antenna Parameters

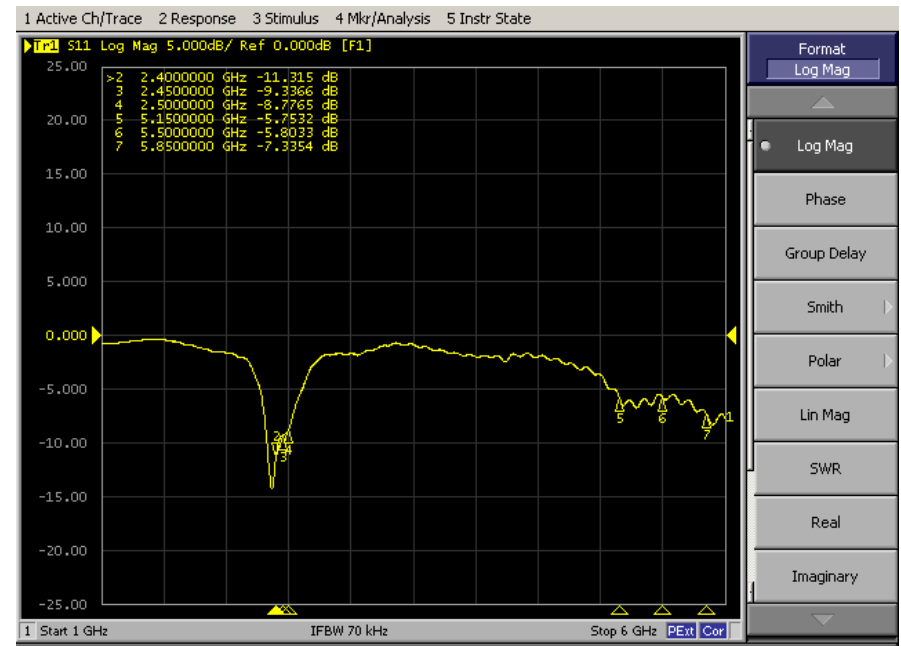
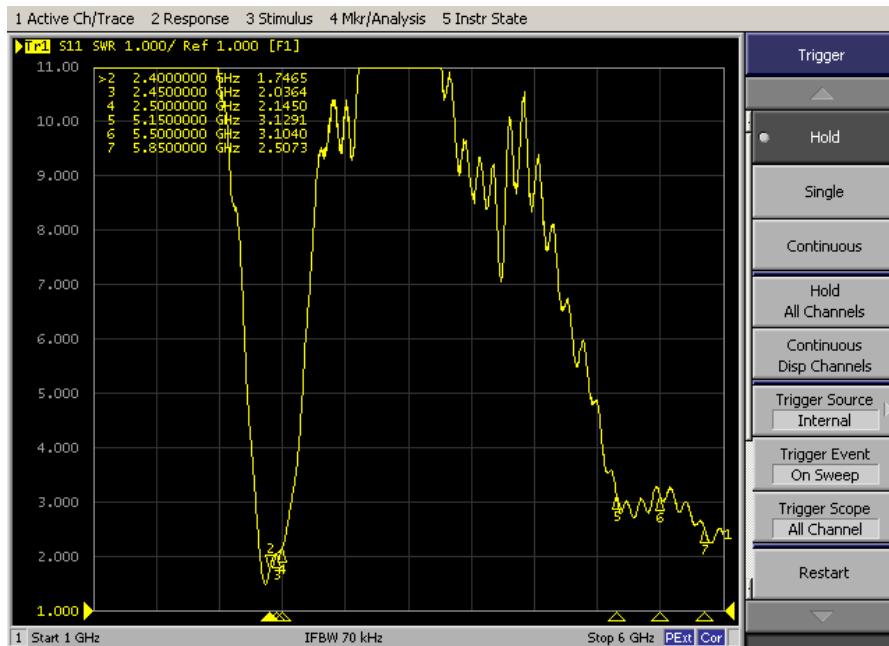
3. Conclusions

1. Product Overview



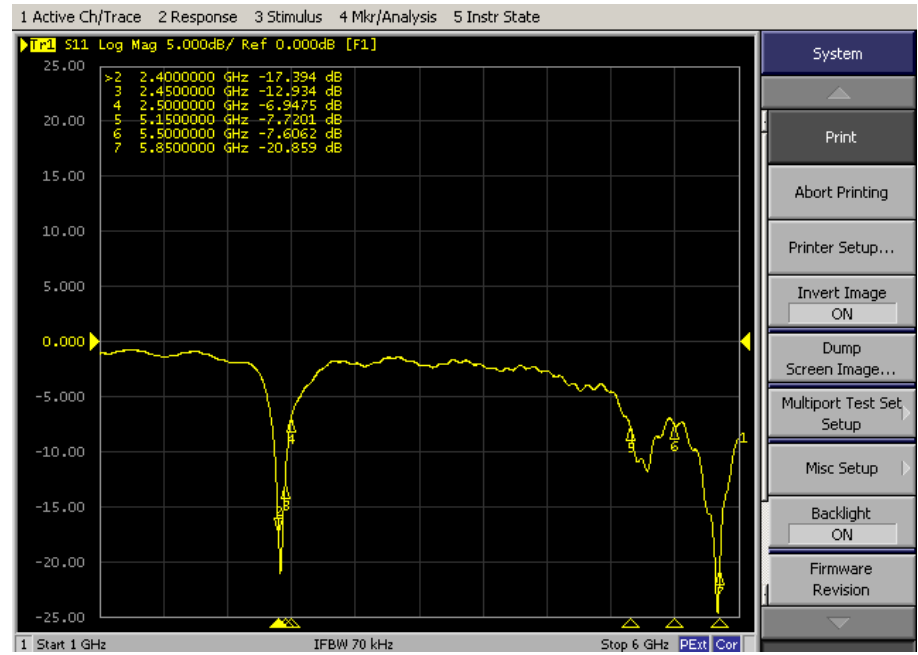
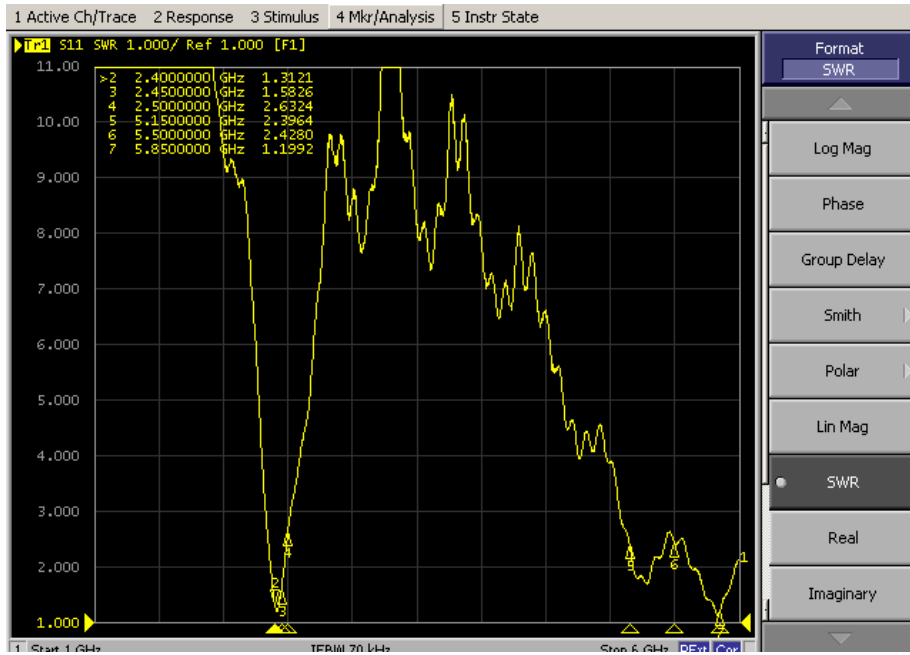
2. Test Result

2.1 WIFI MAIN Antenna VSWR



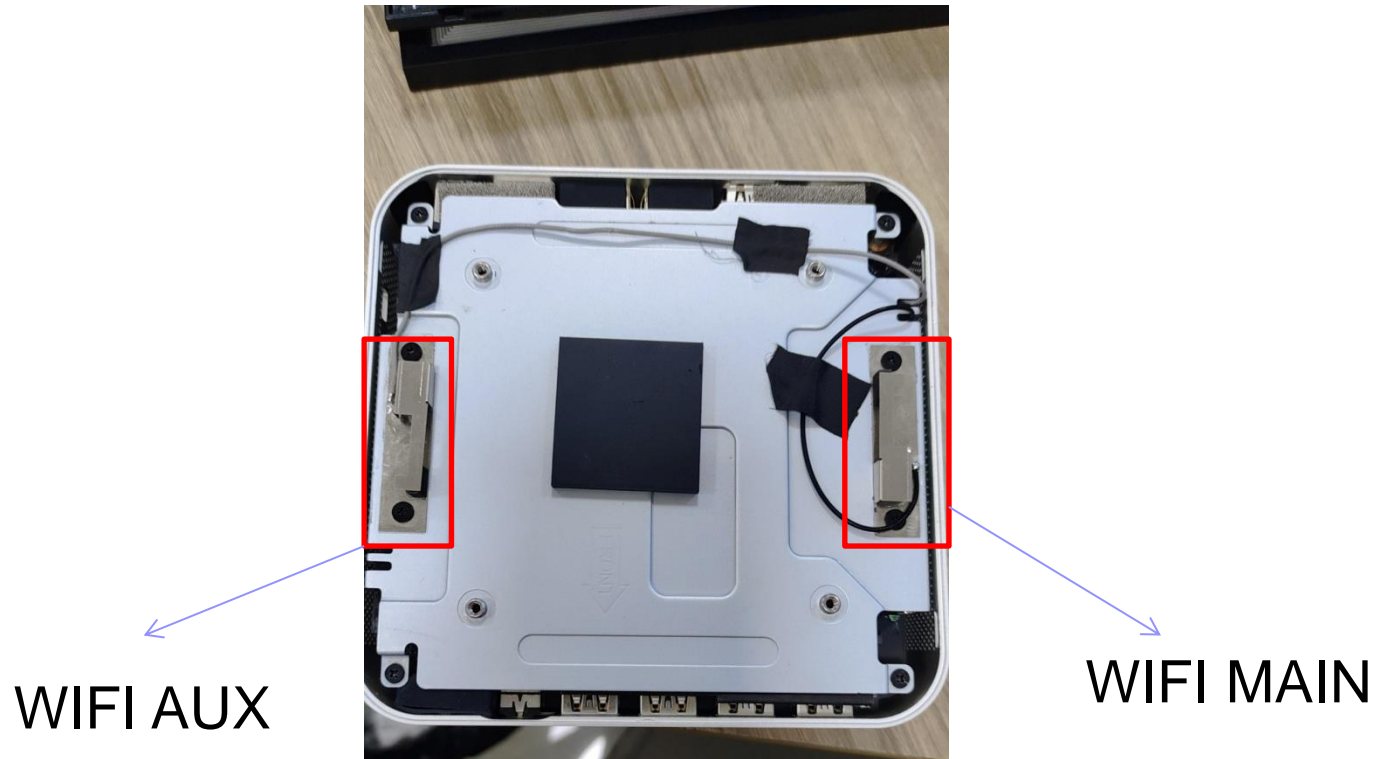
2. Test Result

2.1 WIFI AUX Antenna VSWR



2. Test Result

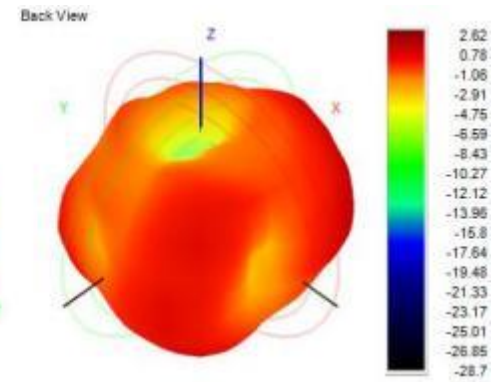
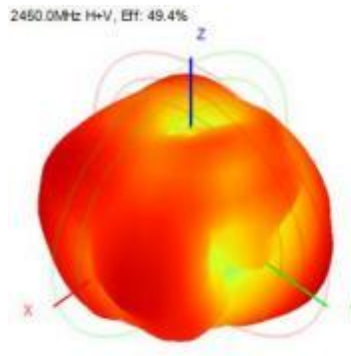
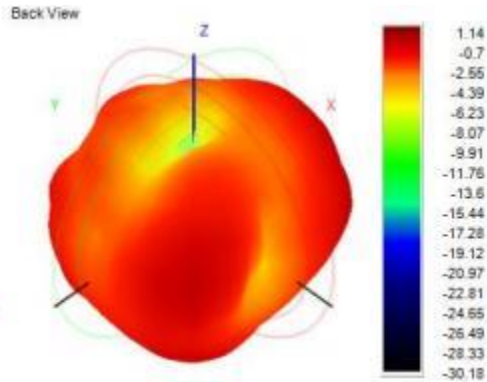
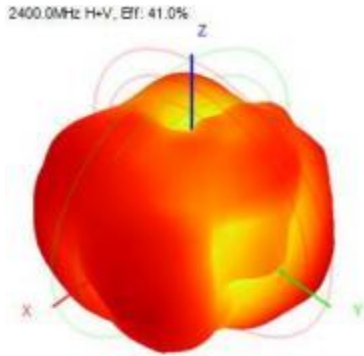
2.2 Antenna Parameters



2. Test Result

2.3 WIFI MAIN Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5500.0	5750.0	6400.0	7100.0
Efficiency (dBi)	-3.87	-3.67	-3.26	-3.18	-3.10	-3.06	-2.88	-2.76	-2.96	-2.99	-3.29	-2.46	-2.24	-3.23	-3.93	-3.41
Gain (dBi)	1.14	1.27	2.13	2.47	2.61	2.62	2.77	3.03	3.09	3.12	2.80	2.53	1.38	0.53	1.43	2.67
Efficiency (%)	40.99	42.93	47.17	48.05	49.01	49.40	51.53	53.02	50.63	50.28	46.91	56.78	59.75	47.54	40.44	45.56

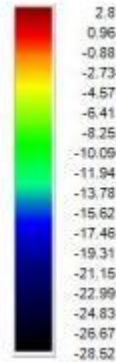
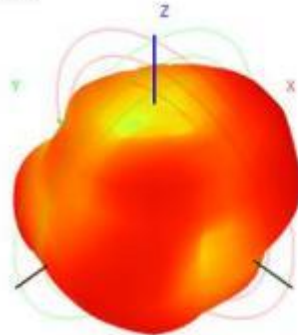
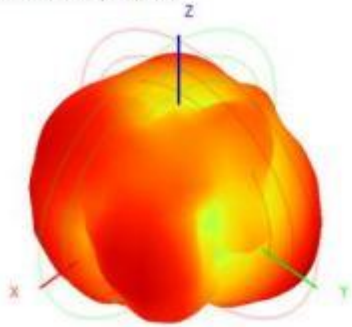


2. Test Result

2.3 WIFI MAIN Antenna Gain/Efficiency/3D DATA

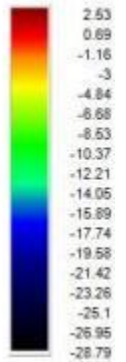
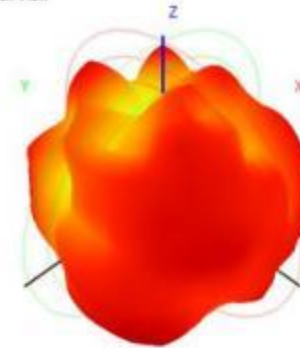
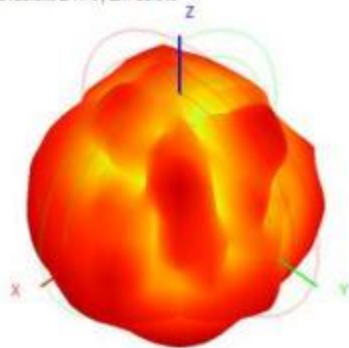
2500.0MHz H+V, Eff: 46.9%

Back View



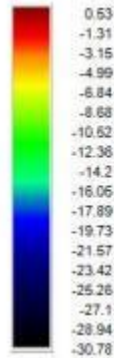
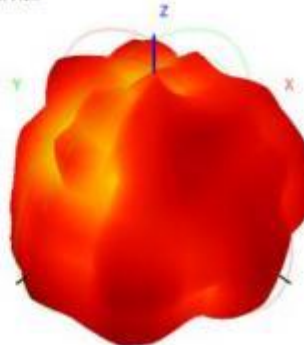
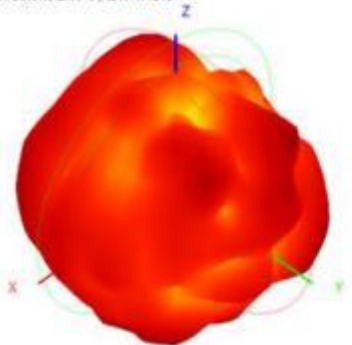
5150.0MHz H+V, Eff: 56.8%

Back View



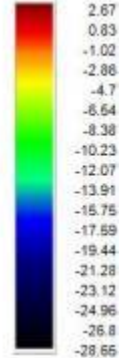
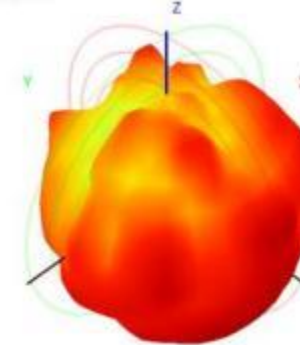
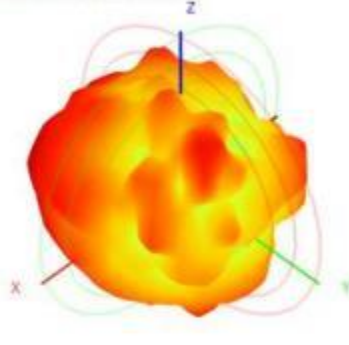
5750.0MHz H+V, Eff: 47.5%

Back View



7100.0MHz H+V, Eff: 45.6%

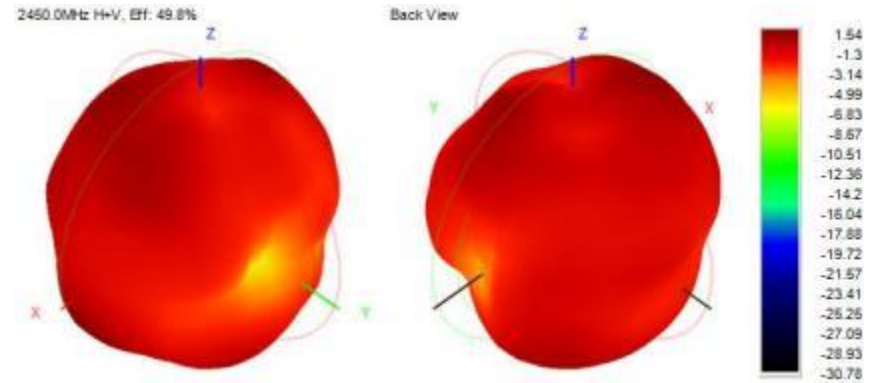
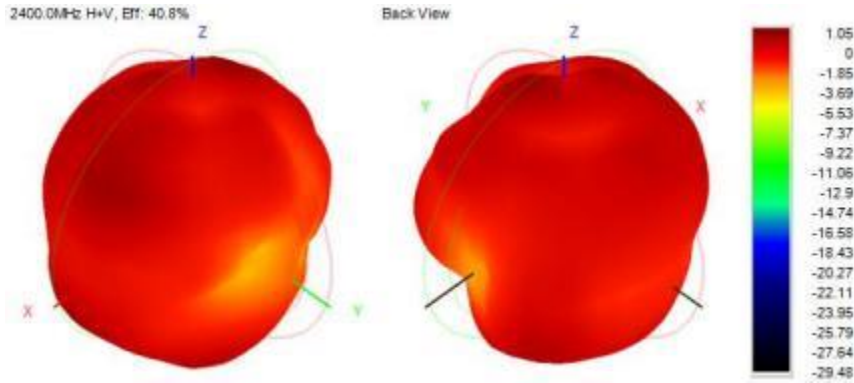
Back View



2. Test Result

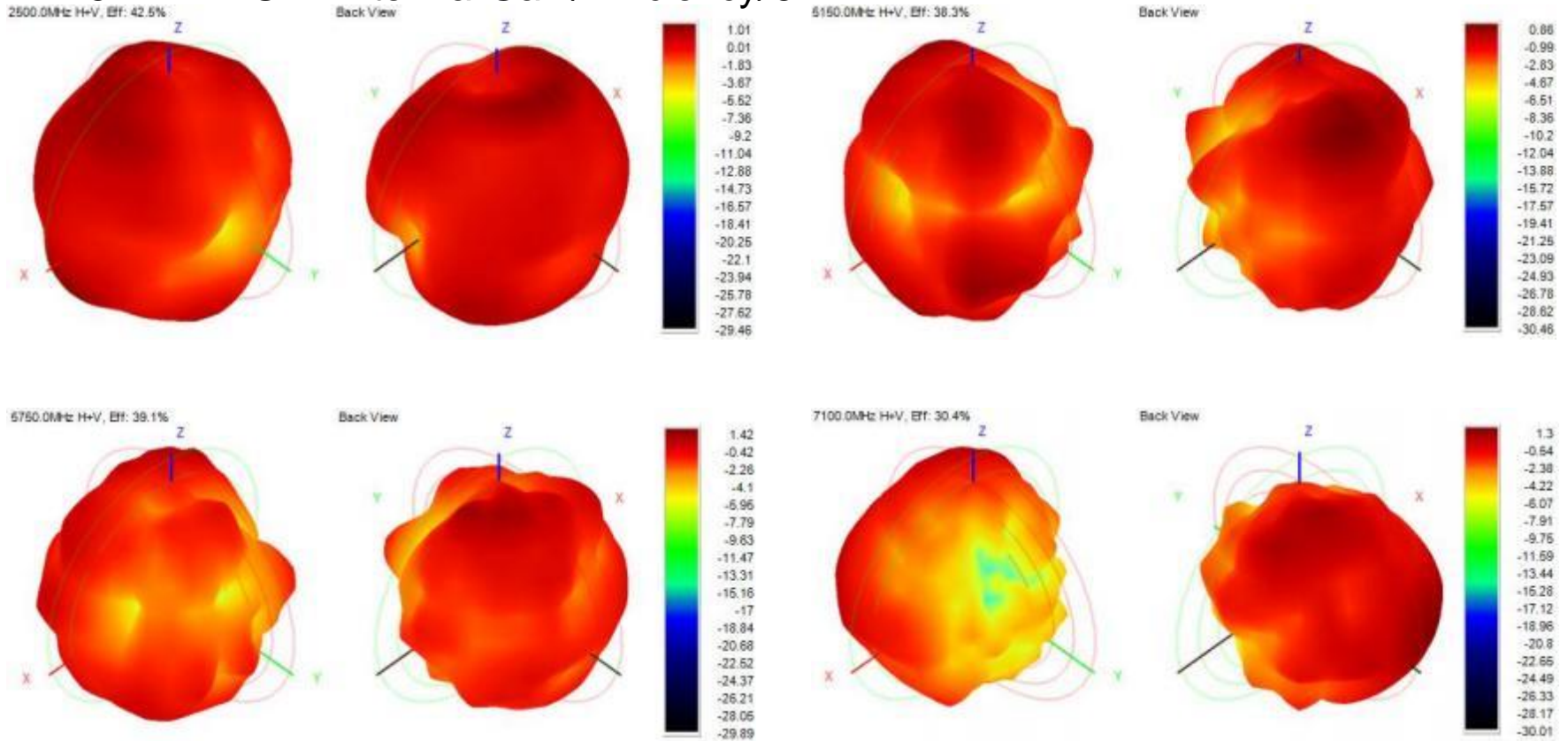
2.3 WIFI AUX Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5500.0	5750.0	6400.0	7100.0
Efficiency (dBi)	-3.90	-3.60	-3.36	-3.21	-3.16	-3.02	-3.13	-3.36	-3.68	-3.68	-3.71	-4.17	-2.90	-4.08	-5.21	-5.17
Gain (dBi)	1.05	1.13	1.26	1.32	1.31	1.54	1.63	1.39	1.10	1.17	1.01	0.86	2.16	1.42	0.19	1.30
Efficiency (%)	40.77	43.67	46.11	47.74	48.30	49.83	48.68	46.17	42.83	42.89	42.52	38.28	51.34	39.10	30.15	30.43



2. Test Result

2.3 WIFI AUX Antenna Gain/Efficiency/3D DATA



2. Test Result

2.4 WIFI throughput test

2.4下载	2.4上传
210M	205M

5G下载	5G上传
903M	899M

2. Test Result

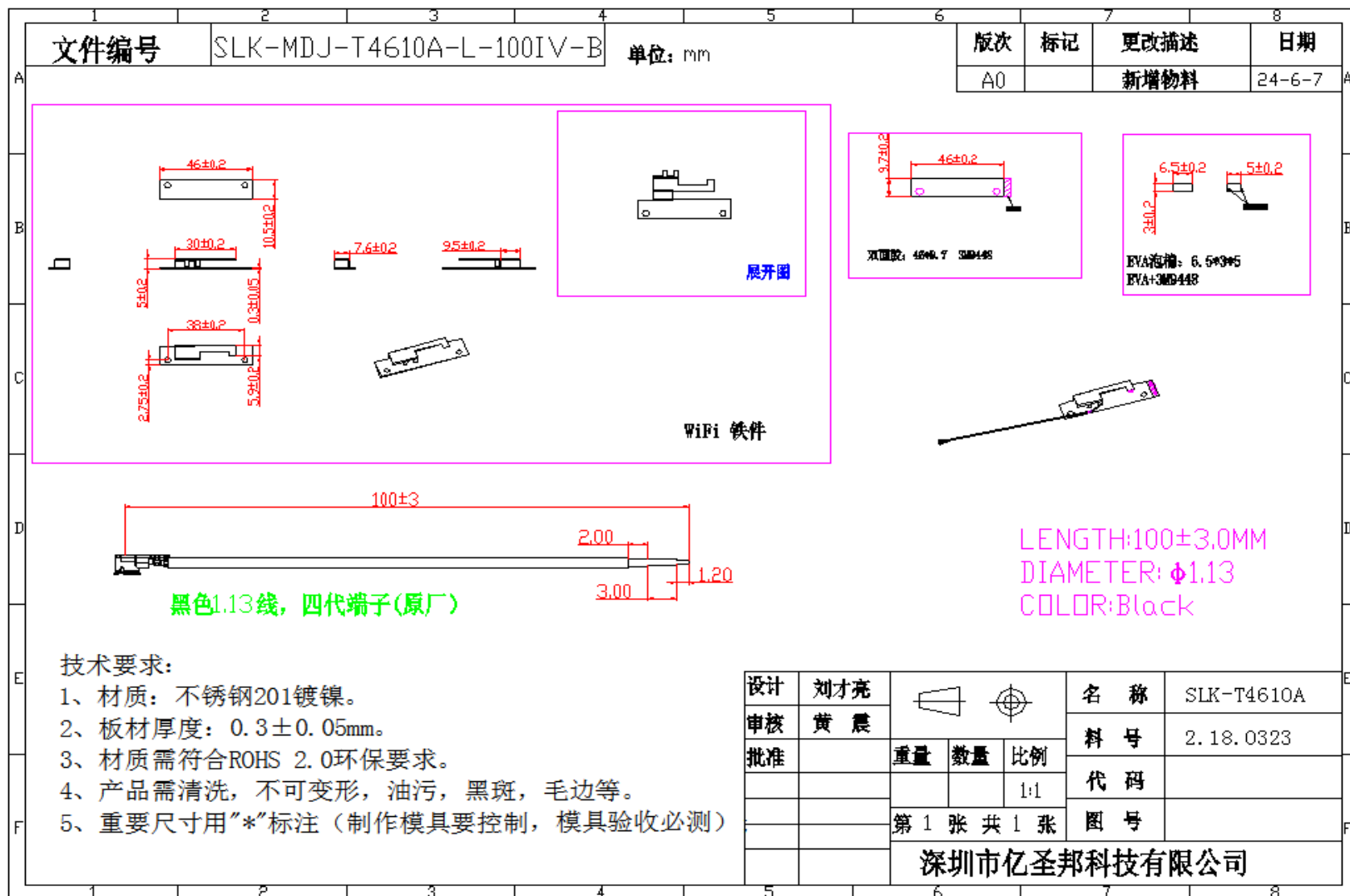
2.4 WIFI throughput test

BT下载	BT上传
1.38M	1.45M

2. Test Result

2.5 Antenna Parameter

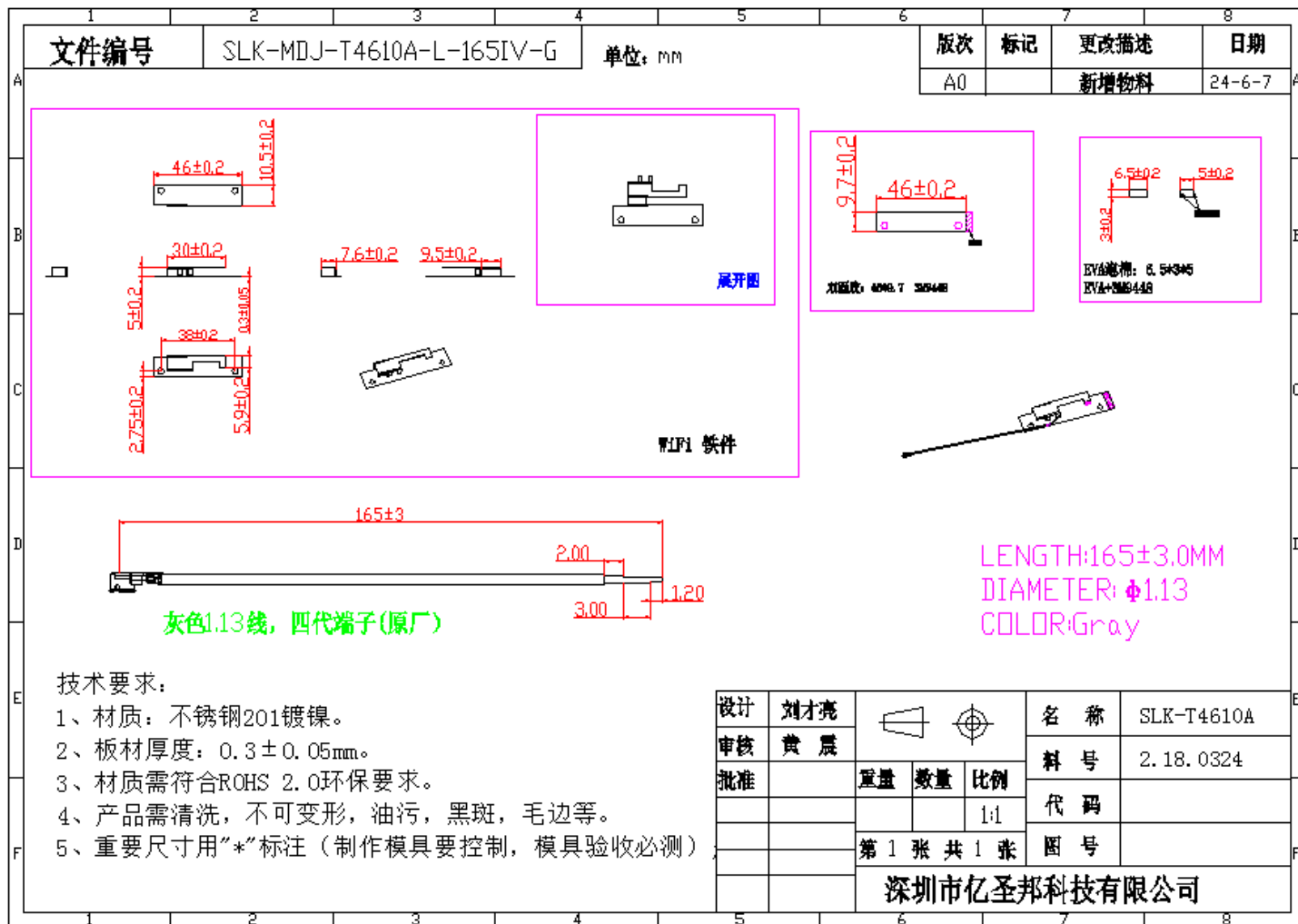
MAIN



2. Test Result

2.5 Antenna Parameters

AUX



3. Conclusions

谢谢!