

Shenzhen AihuiTechnology Co., Ltd.

Shenzhen AihuiTechnology Co., Ltd Antenna Test Report

Customer: Yihengke

Project: A5

Product: WIFI Antenna

Report date: 2025-09-22

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Purpose

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

Content

1. Product Overview

2. Test Result

2.1 WIFI MAIN Antenna VSWR

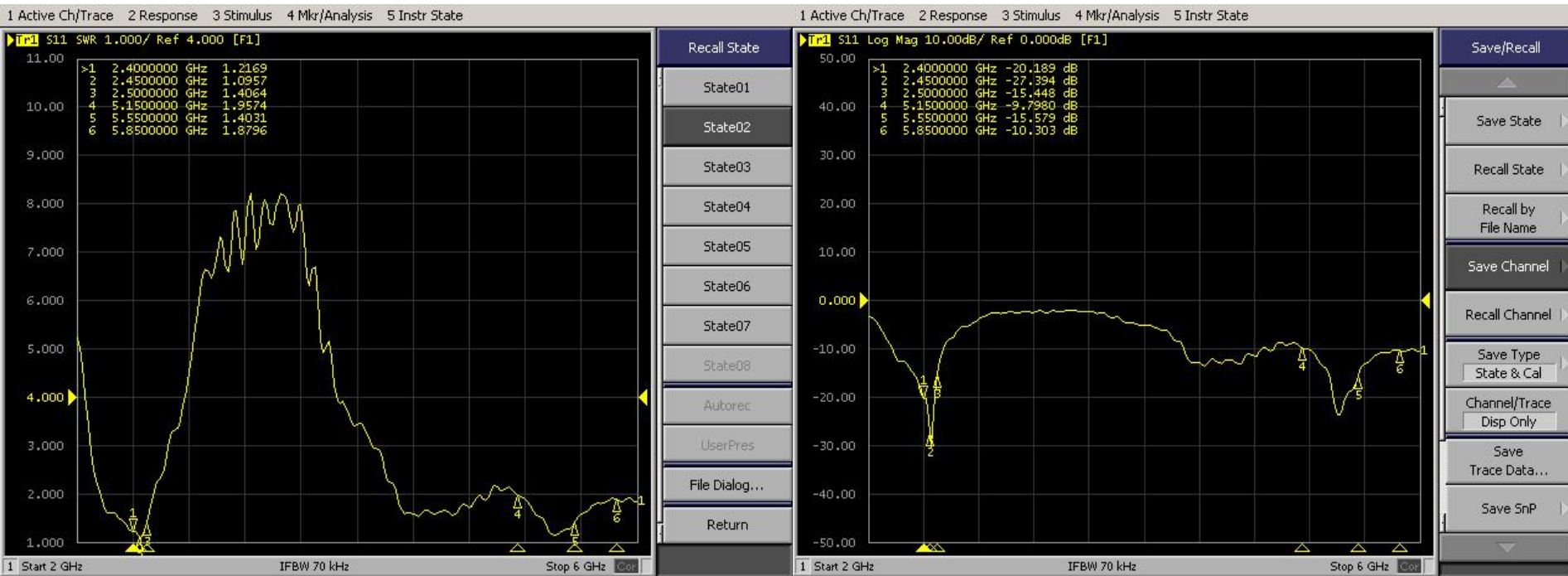
2.2 WIFI MAIN Antenna Gain/Efficiency/3D DATA

2.3 WIFI Antenna TRP/TIS

3. Conclusions

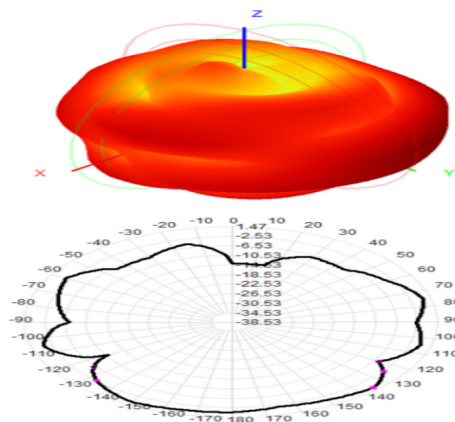
2. Test Result

2.1 WIFI Antenna VSWR/S11



2. Test Result

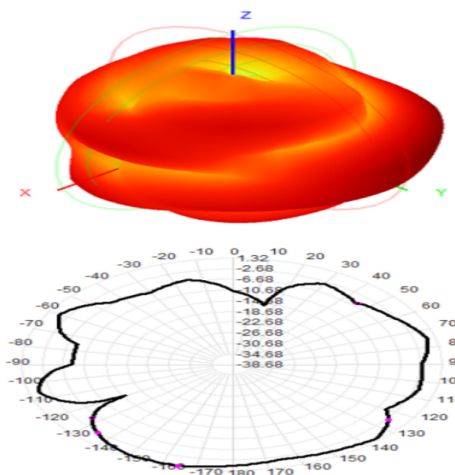
2.2 WIFI MAIN Antenna Gain/Efficiency/3D DATA



测试数据:

WIFI 2.4G

Freq(MHz)	Efficiency (%)	Gain (dBi)
2410	47.62	1.05
2415	47.14	1.15
2420	45.26	1.25
2430	48.65	1.47
2440	51.52	1.33
2450	49.25	1.09
2460	47.95	1.24
2470	48.58	1.14
2480	52.32	1.08



测试数据:

WIFI 5.8G

Freq(MHz)	Efficiency (%)	Gain (dBi)
5000	51.32	1.05
5100	54.25	1.15
5200	50.35	1.25
5300	49.84	1.32
5400	47.15	1.03
5500	44.82	0.98
5600	45.62	0.87
5700	50.34	1.10
5800	54.15	1.07
5850	51.74	1.14

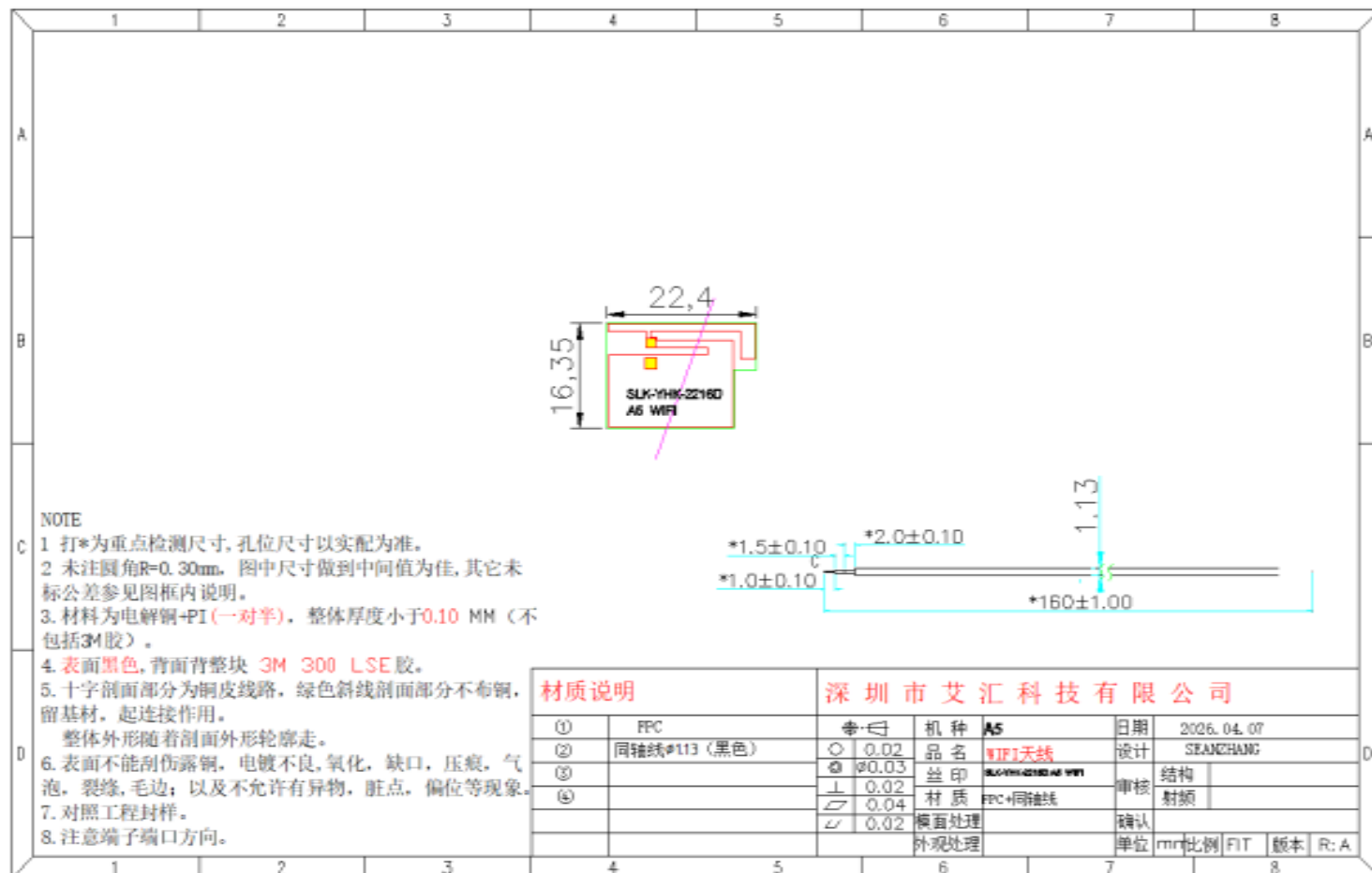
2. Test Result

2.3 WIFI Antenna TRP/TIS

Frequency Band	2.4G-WIFI B模			2.4G-WIFI G模		
channel	L	M	H	L	M	H
TRP	15.66	15.44	15.85	14.63	14.44	14.21
TIS	-81.89	-84.25	-85.32	-71.65	-71.55	-71.42
Frequency Band	2.4G-WIFI N模			5.8G-WIFI A模		
channel	L	M	H	L	M	H
TRP	14.63	14.55	15.24	15.65	15.44	16.21
TIS	-68.65	-69.48	-68.74	-75.25	-75.41	-70.35

2. Test Result

2.4 WIFI Antenna Dimensions (unit:MM)





3. Conclusions

Thank you!