

# 深圳市亿圣邦科技有限公司

## Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: Yilaidun

Project: SW329AT

Product: WIFI

Report date: 2024-12-23

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Checked by : Huang Zhen

Approved by : Lin Meicai

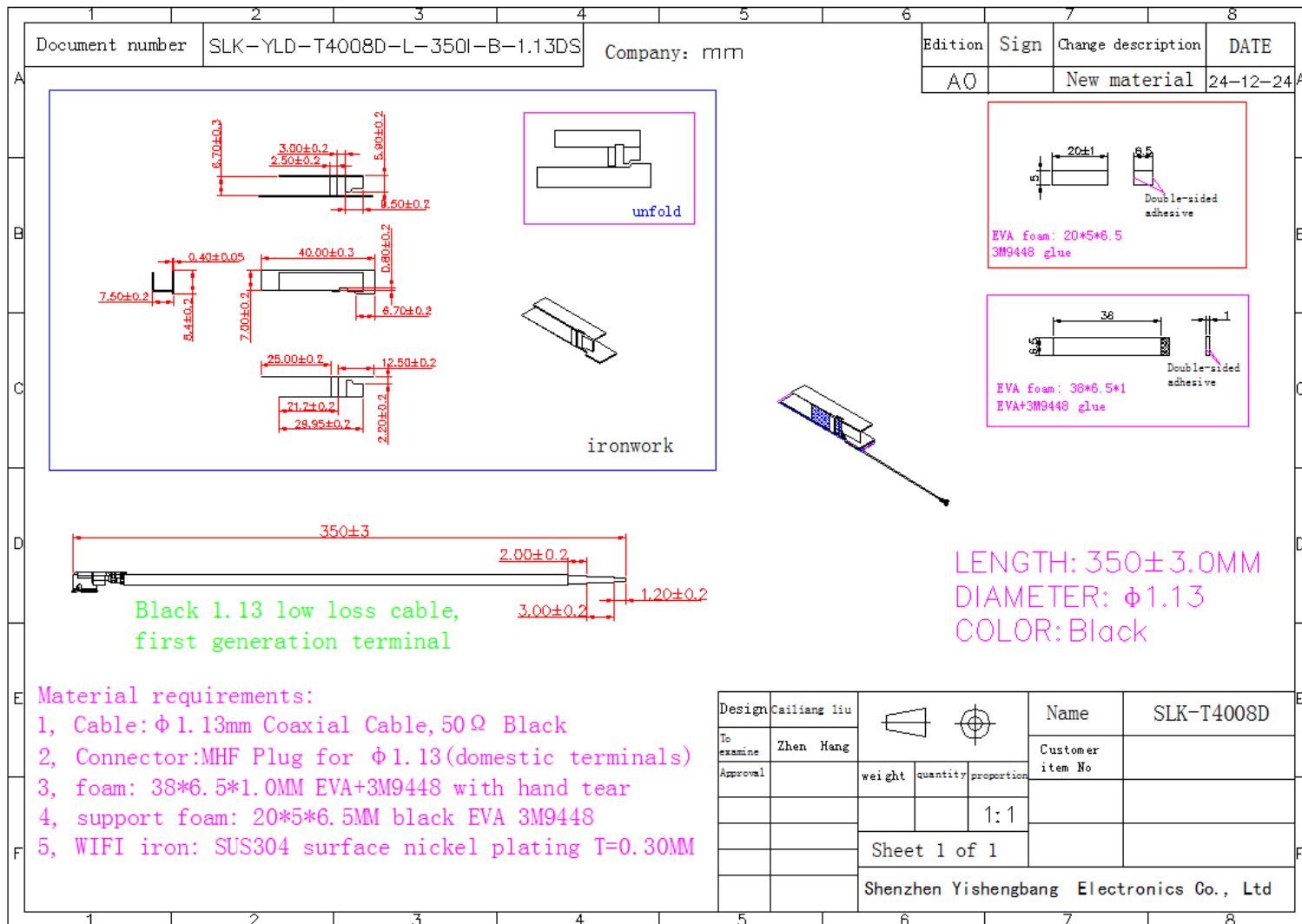
# ***Purpose***

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

## ***Content***

1. Product Overview
2. Test Result
  - 2.1 WIFI Antenna VSWR
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  - 2.4 BT Antenna VSWR
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3. Conclusions

# 1. Product Overview

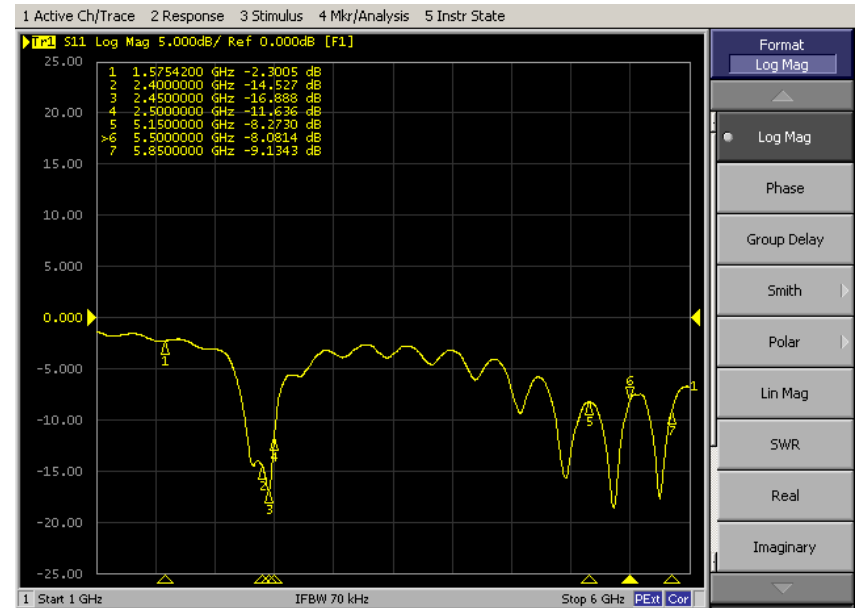
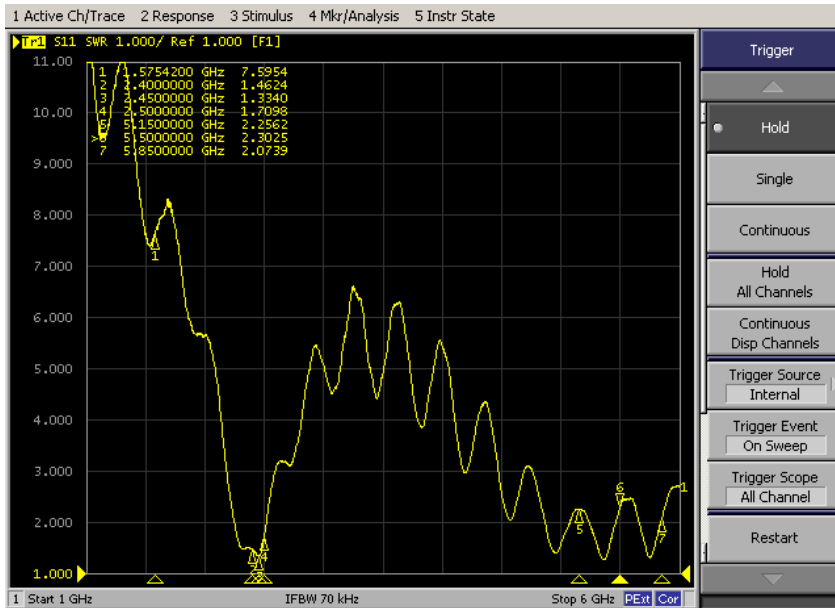


# 1. Product Overview



# 2. Test Result

## 2.1 WIFI Antenna VSWR



## 2. Test Result

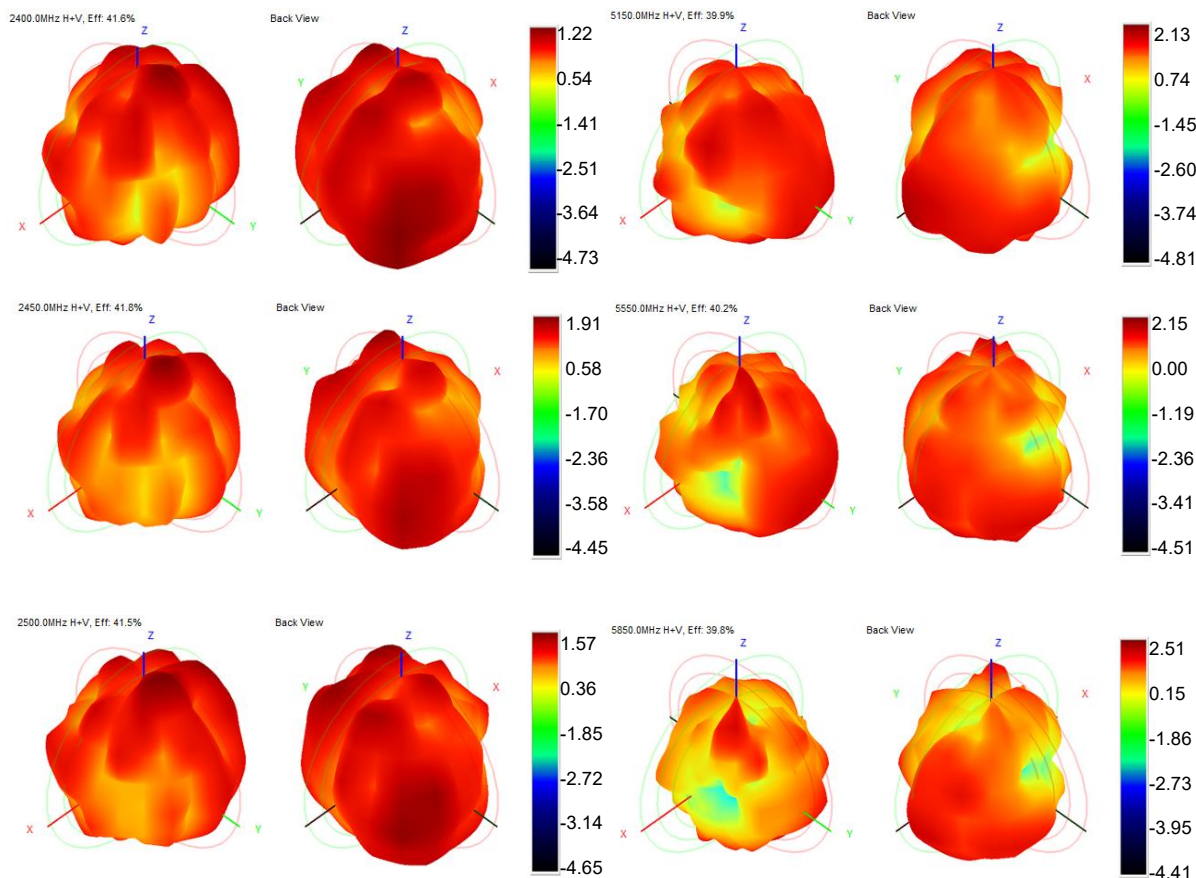
### 2.2 WIFI Antenna TRP/TIS

WIFI有源测试			
频段	1	6	11
B-TRP-11MBps	12.31	12.43	12.28
B-TIS-11MBps	-80.14	-80.36	-80.69
G-TRP-54MBps	11.51	11.49	11.82
G-TIS-54MBps	-66.38	-66.89	-66.75
N-TRP-MCS7	10.91	10.67	10.34
N-TIS-MCS7	-63.49	-63.88	-63.7
频段	36	149	165
A-TRP-54MBps	10.18	10.33	10.16
A-TIS-54MBps	-70.65	-69.41	-69.27

# 2. Test Result

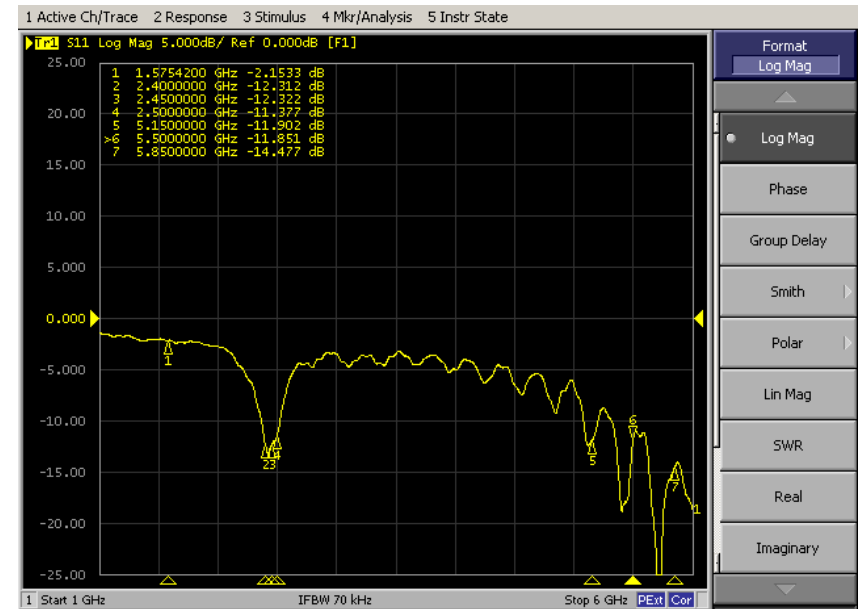
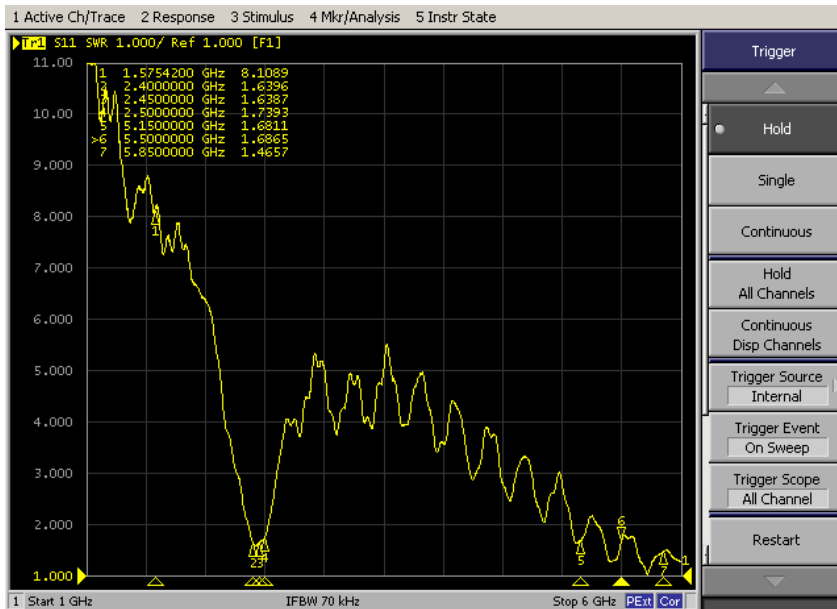
## 2.3 WIFI Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.80	1.22	41.60
2410	-3.60	1.46	43.65
2420	-3.62	1.85	43.36
2430	-3.74	1.25	42.18
2440	-3.74	1.59	42.24
2450	-3.78	1.91	41.83
2460	-3.87	1.81	41.01
2470	-3.74	1.56	42.17
2480	-3.82	1.24	41.42
2490	-3.81	1.80	41.51
2500	-3.81	1.57	41.54
5150	-3.99	2.13	39.87
5350	-4.11	2.60	38.75
5550	-3.96	2.15	40.18
5850	-4.00	2.51	39.82



# 2. Test Result

## 2.4 BT Antenna VSWR

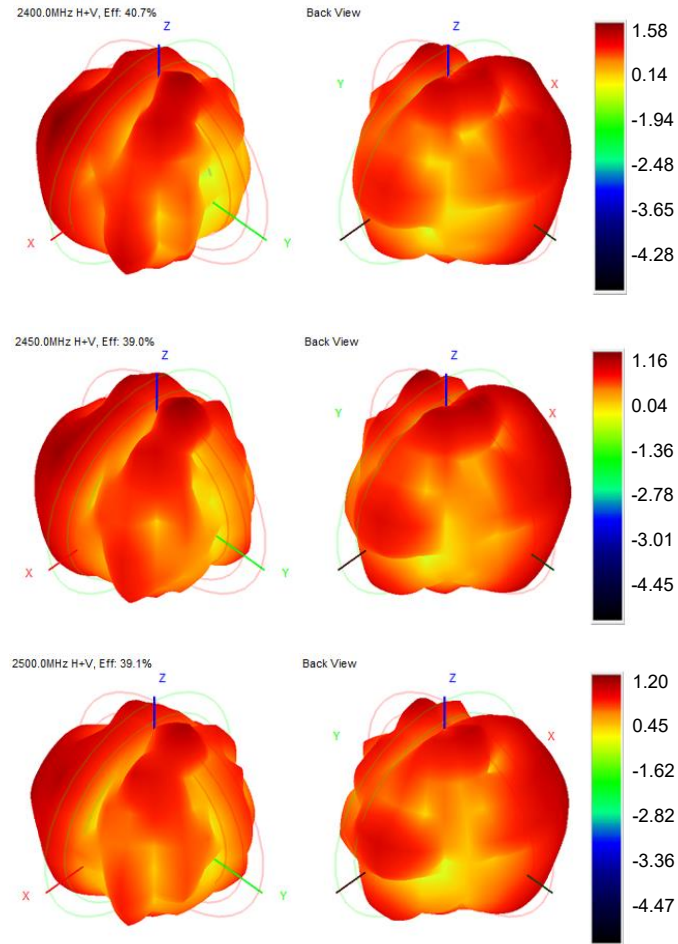




# 2. Test Result

## 2.5 BT Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.03	1.58	40.74
2410	-2.90	1.67	41.27
2420	-2.99	1.52	40.28
2430	-2.96	1.66	40.63
2440	-3.27	1.43	39.06
2450	-3.27	1.16	39.05
2460	-3.27	1.27	39.09
2470	-3.44	1.84	40.34
2480	-3.24	1.47	41.43
2490	-3.46	1.40	39.13
2500	-3.65	1.20	39.12



# 3. Conclusions

Thank you !

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