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Antenna Test Report

Customer: 一恒科

Project: L1

Product: WIFI/BT

Report date: 2024-09-24

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Checked by : 黄震

Approved by : 林美财

Purpose

This report is to measure the performance of SLK for Master Antenna on 一恒科. All measure data are showed below.

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2.4 BT Antenna Gain/Efficiency/3D DATA

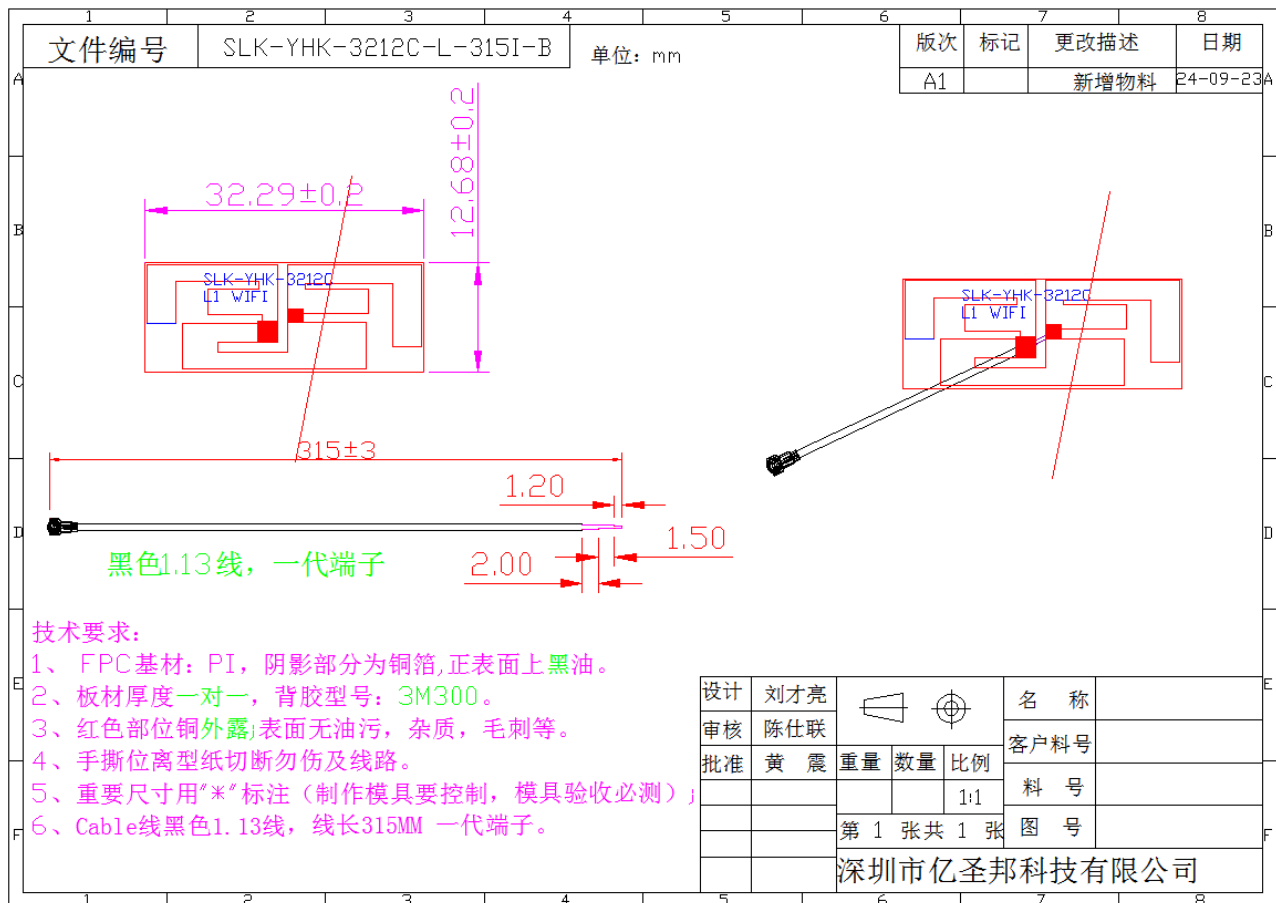
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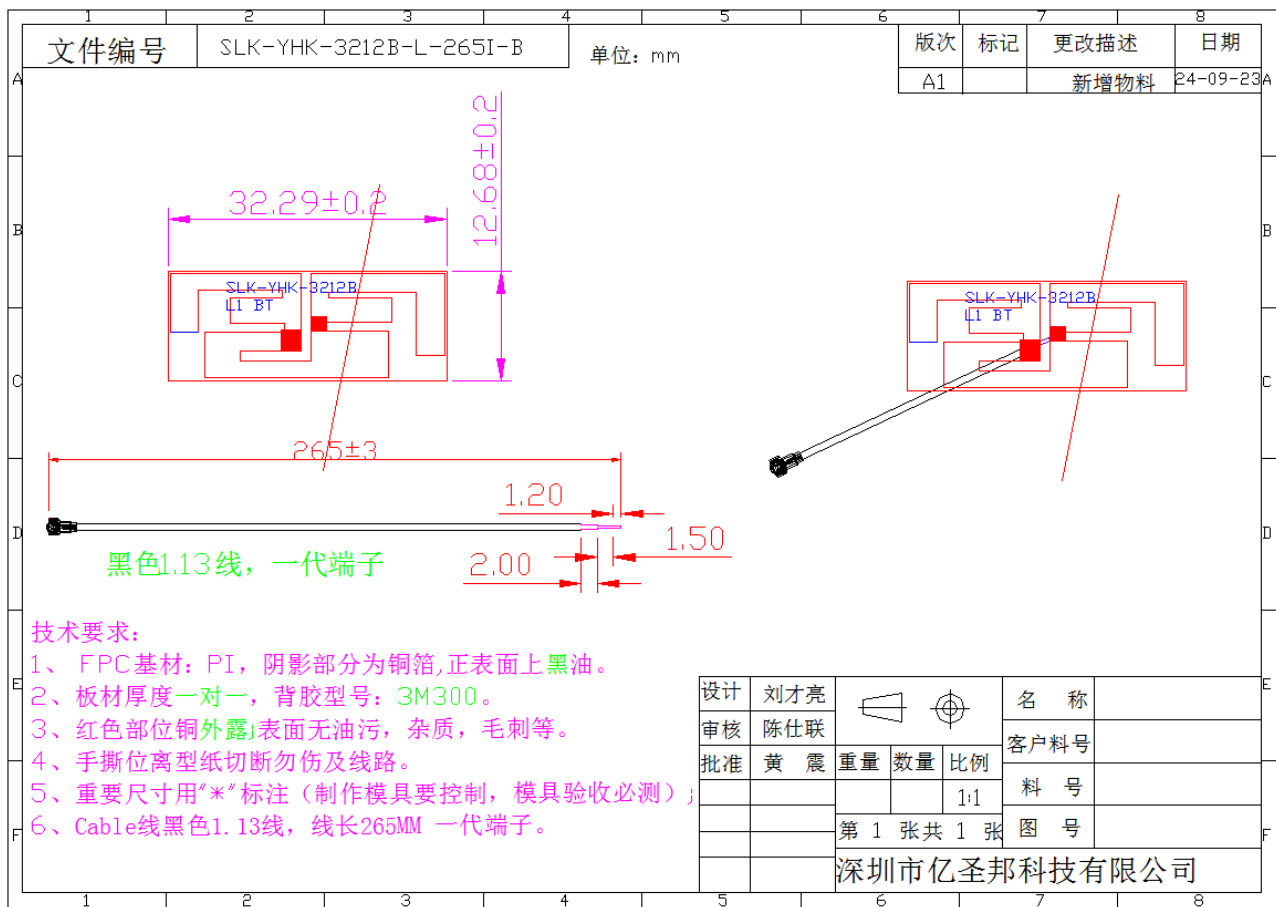
1. Product Overview



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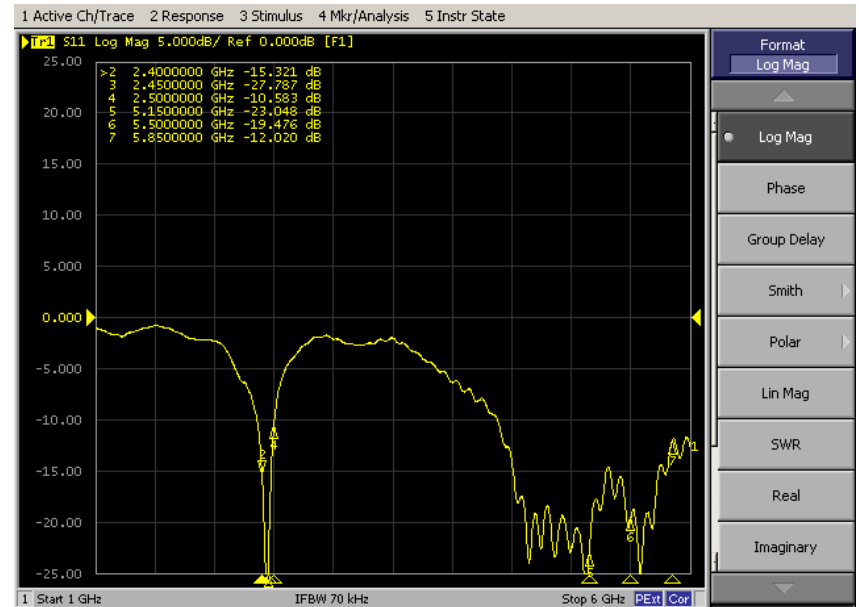
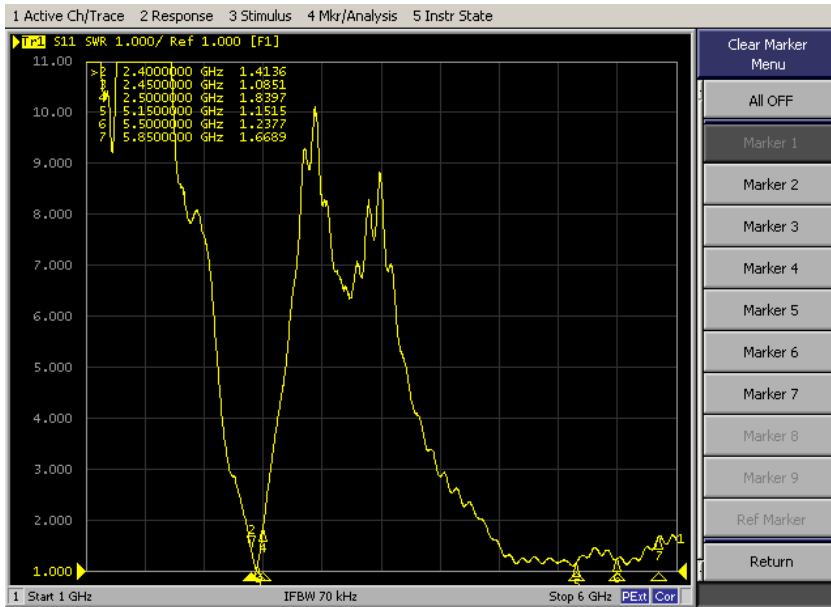


1. Product Overview



2. Test Result

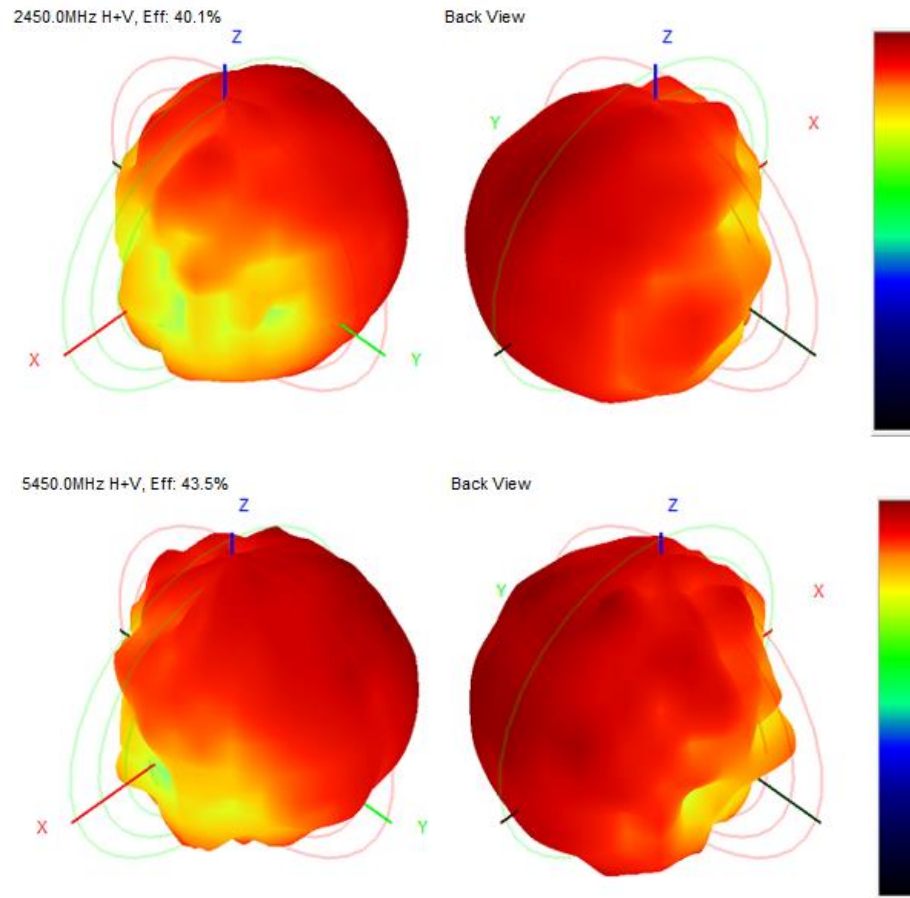
2.1 WIFI Antenna VSWR/S11



2. Test Result

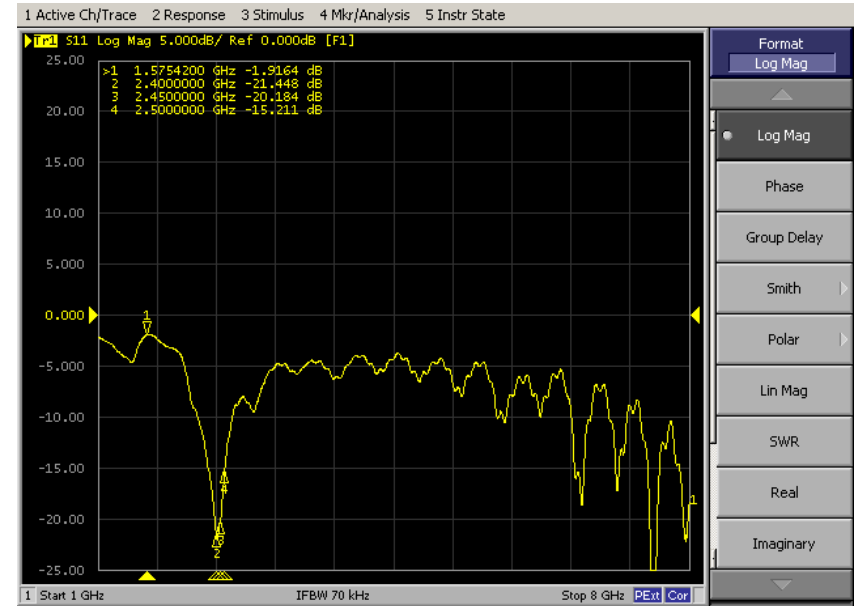
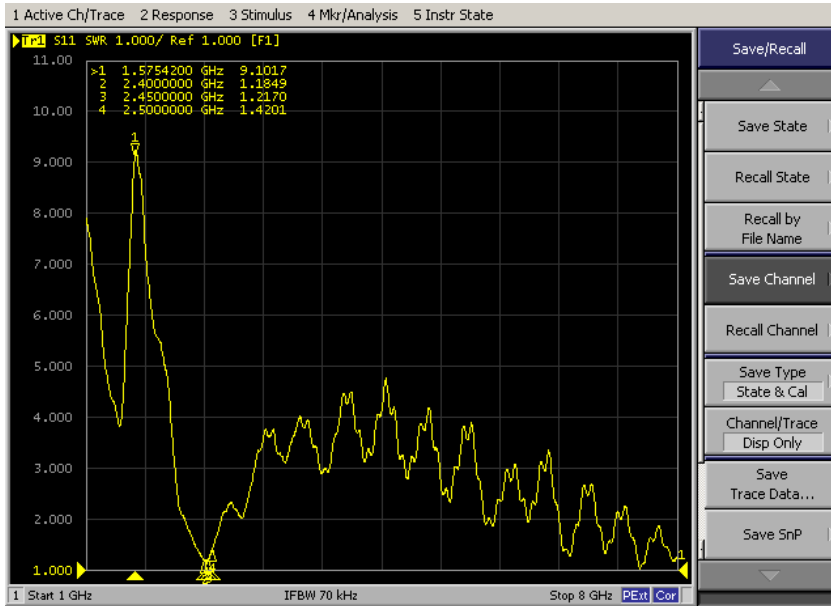
2.2 WIFI Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.64	1.07	43.19
2410.0	-3.67	1.39	42.90
2420.0	-3.69	1.17	42.71
2430.0	-3.78	1.85	41.86
2440.0	-3.90	1.92	40.67
2450.0	-3.97	1.96	40.06
2460.0	-3.75	1.76	42.16
2470.0	-3.67	1.02	42.89
2480.0	-3.79	1.94	41.69
2490.0	-3.82	1.84	41.46
2500.0	-3.68	1.88	42.85
5150.0	-3.70	2.23	42.62
5250.0	-3.63	2.56	43.27
5450.0	-3.61	2.82	43.48
5850.0	-3.68	2.30	42.80



2. Test Result

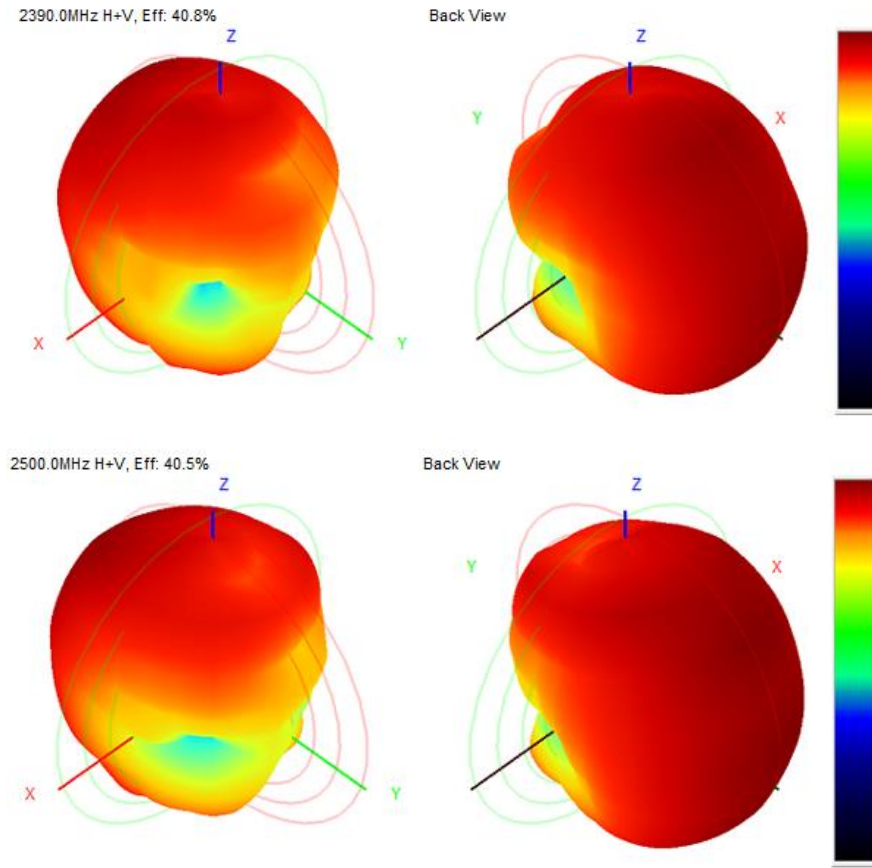
2.3 BT Antenna VSWR/S11



2. Test Result

2.4 BT Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.90	1.79	40.69
2410	-3.97	1.88	40.05
2420	-3.79	1.32	41.78
2430	-3.89	1.12	40.75
2440	-3.92	1.20	40.54
2450	-3.82	1.10	41.44
2460	-3.85	1.50	41.14
2470	-3.93	1.04	40.42
2480	-3.80	1.93	41.65
2490	-3.80	1.80	41.67
2500	-3.92	1.74	40.54



2. Test Result

2.5 WIFI Antenna TRP/TIS

WIFI有源测试			
频段	1	6	11
B-TRP-11Mbps	15.45	15.38	15.14
B-TIS-11Mbps	-76.63	-78.83	-78.49
频段	36	149	165
A-TRP-54Mbps	10.16	9.81	9.84
A-TIS-54Mbps	-71.78	-69.28	-69.37

3. Conclusions

谢谢！