

深圳市亿圣邦科技有限公司

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: 亿莱顿

Project: SMT1019

Product: WIFI Antenna

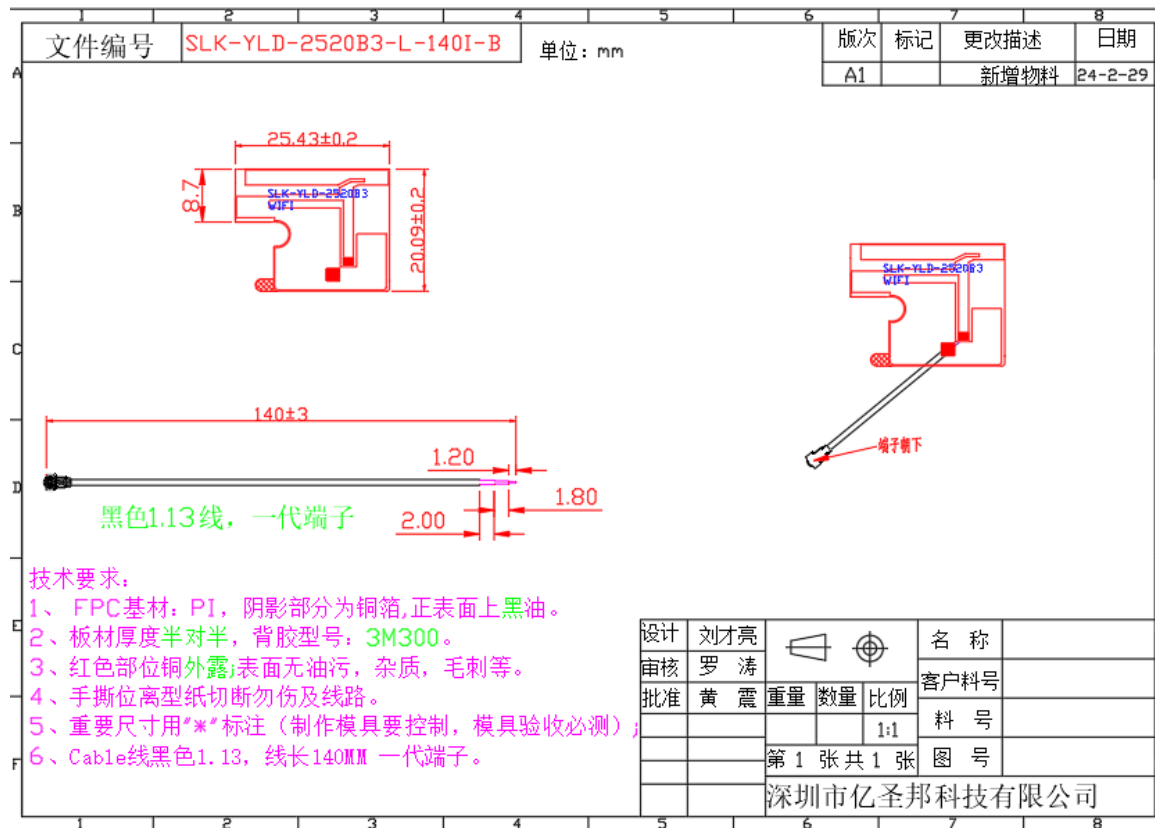
Report date: 2025.11.26

Prepared by : 刘 顺

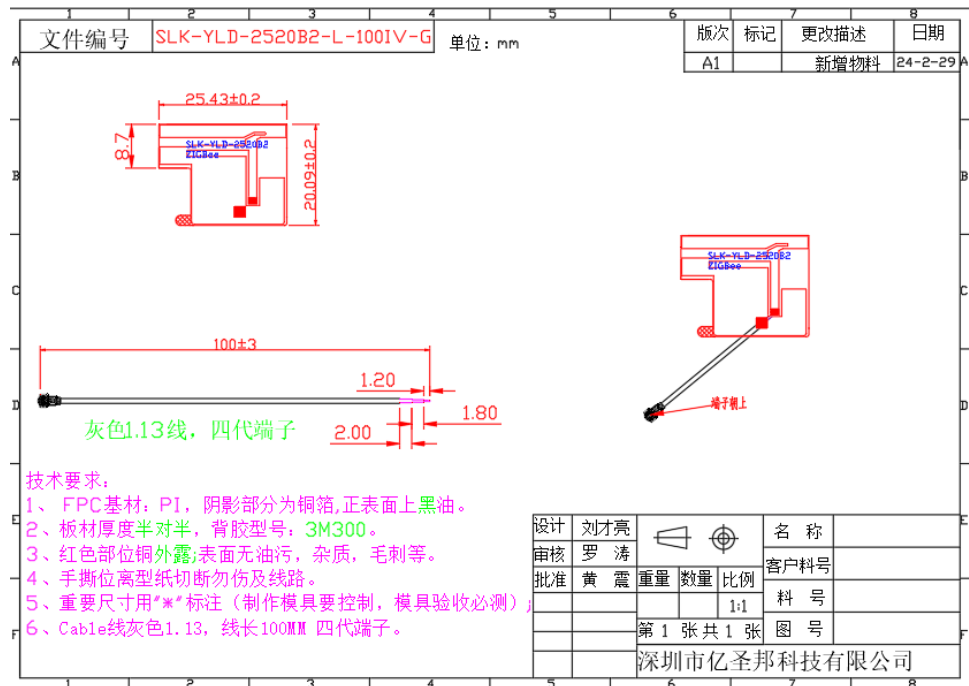
Checked by : 黄震

Approved by : 林美财

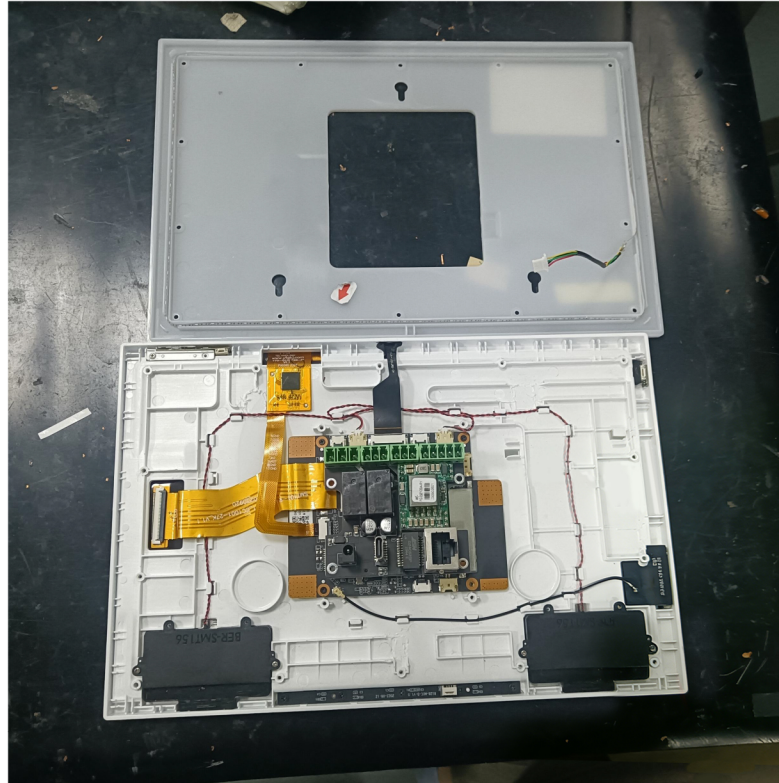
1. Product Overview



1. Product Overview

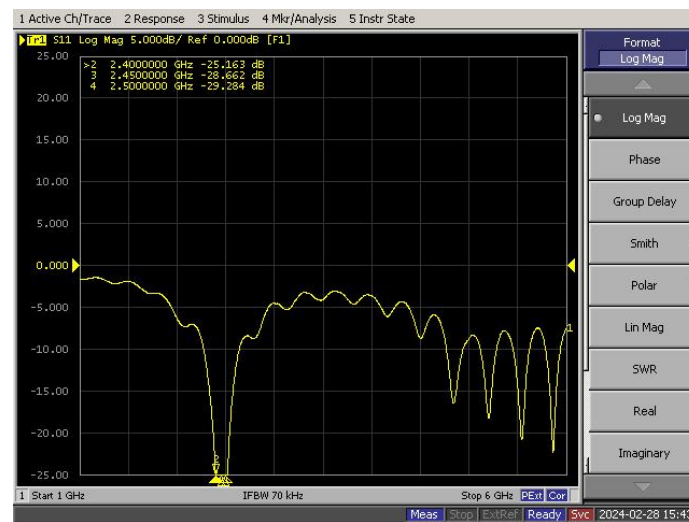


1. Product Overview



2. Test Result

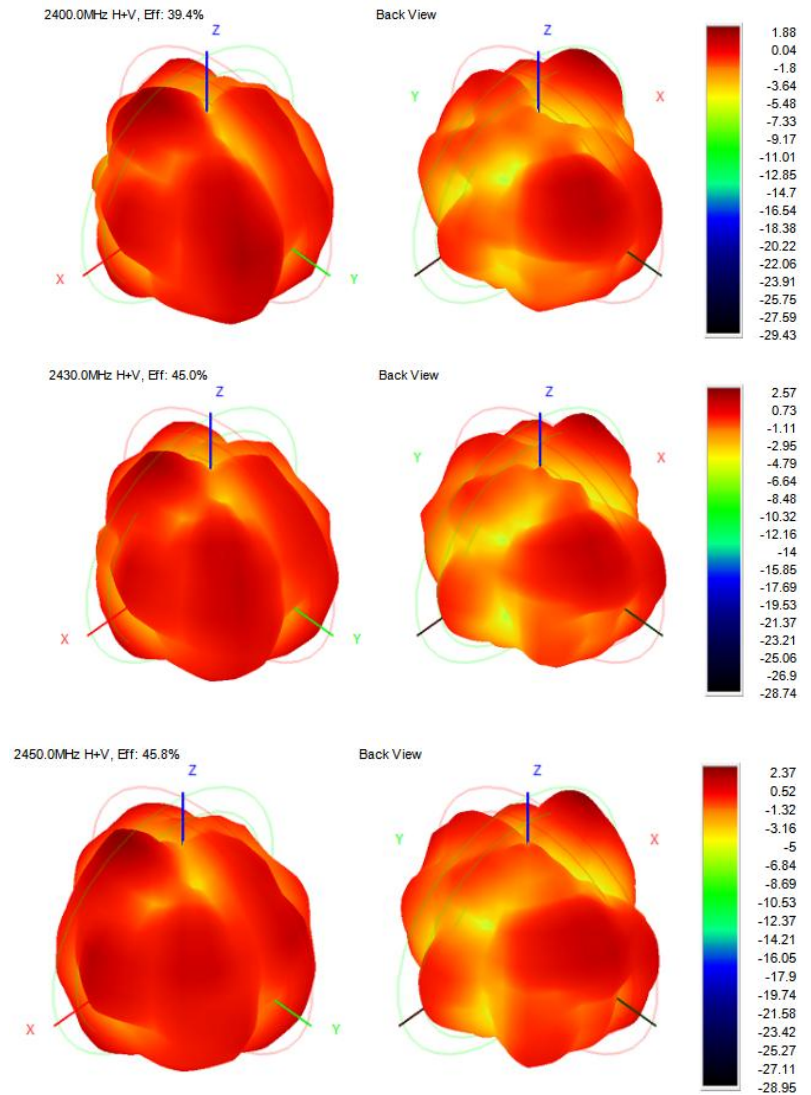
2.1.1 WIFI Antenna VSWR/S11



2. Test Result

2.1.2WIFI无源数据

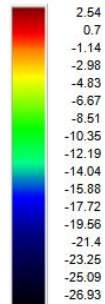
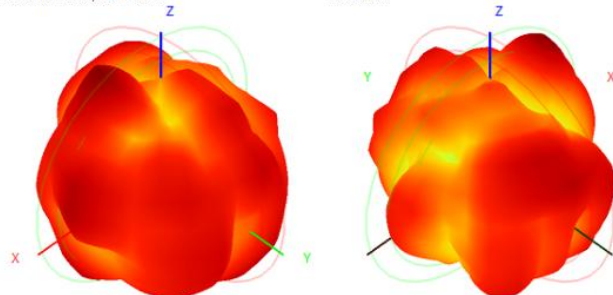
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-4.04	1.88	39.43
2410.0	-3.87	2.28	41.00
2420.0	-3.70	2.39	42.63
2430.0	-3.47	2.57	45.00
2440.0	-3.43	2.33	45.41
2450.0	-3.39	2.37	45.82
2460.0	-3.49	2.36	44.75
2470.0	-3.28	2.54	46.99
2480.0	-3.14	2.60	48.56
2490.0	-3.19	2.53	47.97
2500.0	-3.23	2.35	47.50
5150.0	-4.38	1.60	36.46
5250.0	-4.27	1.65	37.38
5550.0	-4.12	1.72	38.70
5750.0	-4.17	2.11	38.29
5850.0	-4.32	1.31	37.01



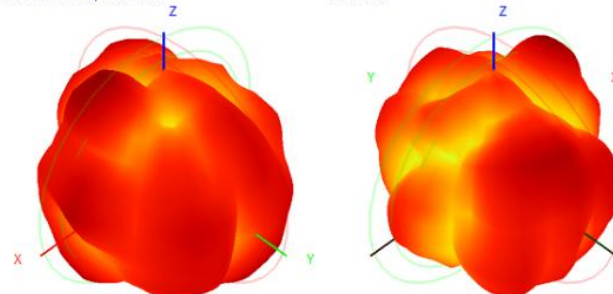
2. Test Result

2.1.2 WIFI无源数据

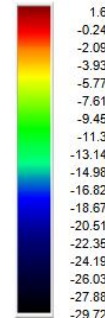
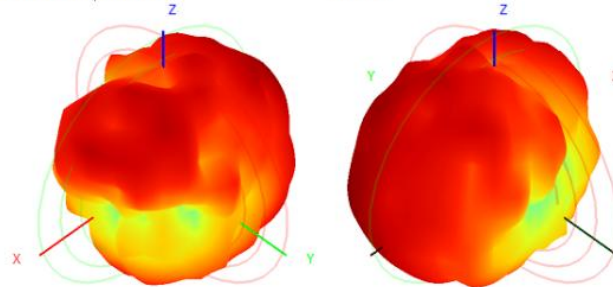
2470.0MHz H+V, Eff: 47.0%



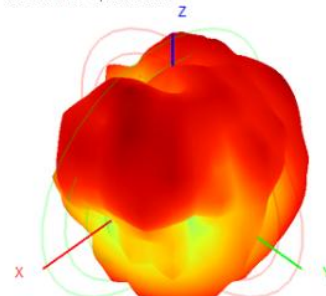
2500.0MHz H+V, Eff: 47.5%



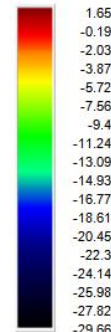
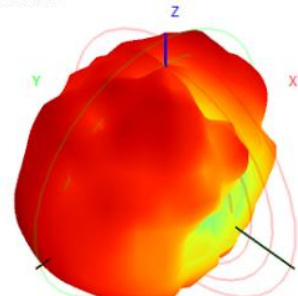
5150.0MHz H+V, Eff: 36.5%



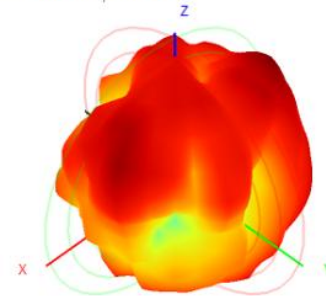
5250.0MHz H+V, Eff: 37.4%



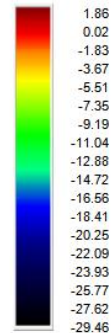
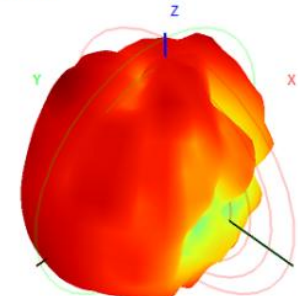
Back View



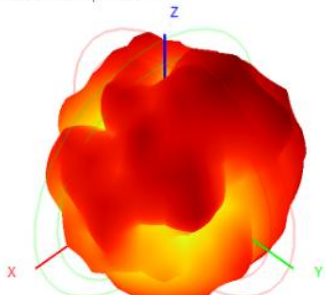
5500.0MHz H+V, Eff: 38.4%



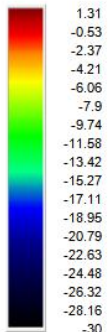
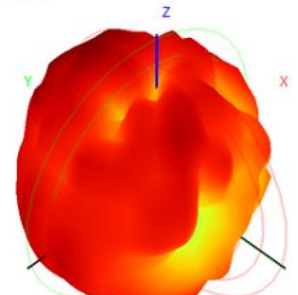
Back View



5850.0MHz H+V, Eff: 37.0%

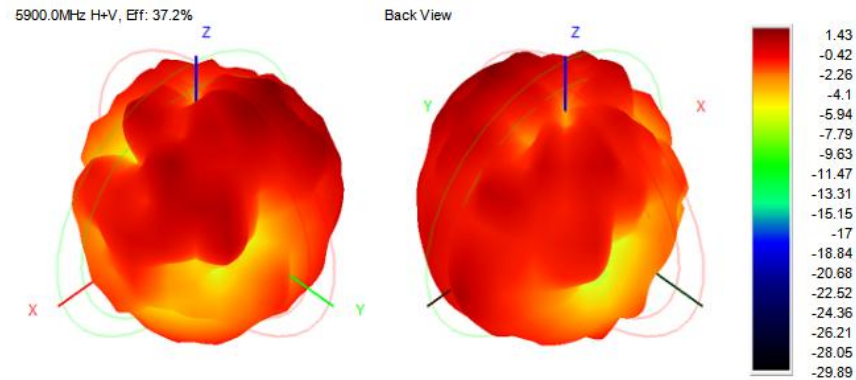


Back View



2. Test Result

2.1.2WIFI无源数据



2. Test Result

2.1.3WIFI Antenna 有源导数据

WIFI有源测试			
频段	1	6	11
B-TRP-11Mbps	14.1	13.78	13.41
B-TIS-11Mbps	-82.02	-82.74	-80.66
G-TRP-54Mbps	11.53	10	10.29
G-TIS-54Mbps	-66.24	-65.1	-66.09
N-TRP-MCS7	11.55	9.83	10.21
N-TIS-MCS7	-65.28	-64.84	-64.69
频段	36	149	165
A-TRP-54Mbps	10.36	12.42	12.66
A-TIS-54Mbps	-73.84	-73.75	-75.03

3. Conclusions

谢谢！