

Shenzhen Yishengbang Technology Co., Ltd.

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: 亿莱顿

Project: AP2719

Product: WIFI Antenna—FPC

Report date: 2026-3-21

Address: 101, Building C, Shenzhen
Qianwan Hard Technology Industrial
Park, Xixiang Street, Bao'an District,
Shenzhen

Prepared by :CHE SHI LIAN

Checked by : Eason Huang

Approved by :



Purpose

This report is to measure the performance of SLK for Master Antenna on 亿莱顿. All measure data are showed below.

Content

1. Product Overview

2. Test Result

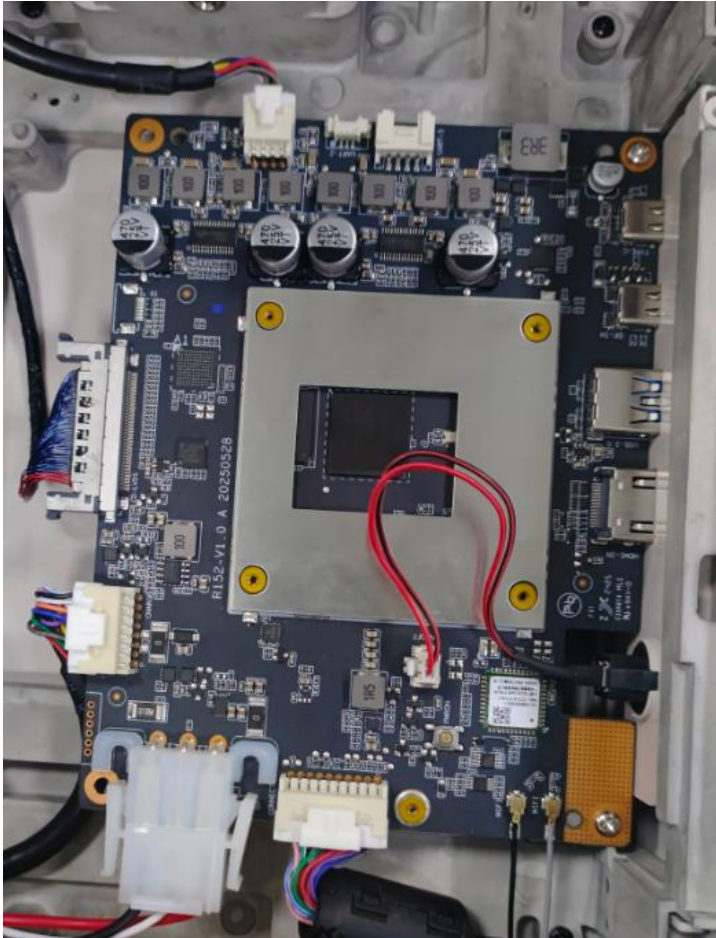
2.1 WIFI 1/2 Antenna VSWR/S11

2.2 WIFI 1/2 Antenna Gain/Efficiency/3D DATA

2.3 WIFI active test

3. Conclusions

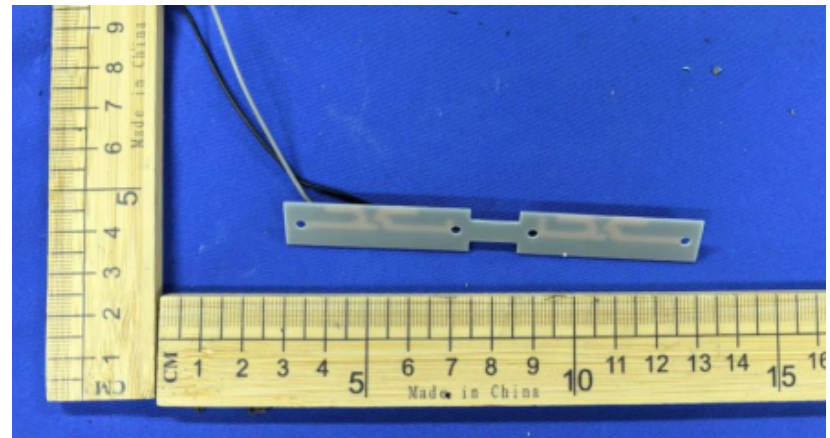
1. Product Overview



WIFI1天线



WIFI2天线



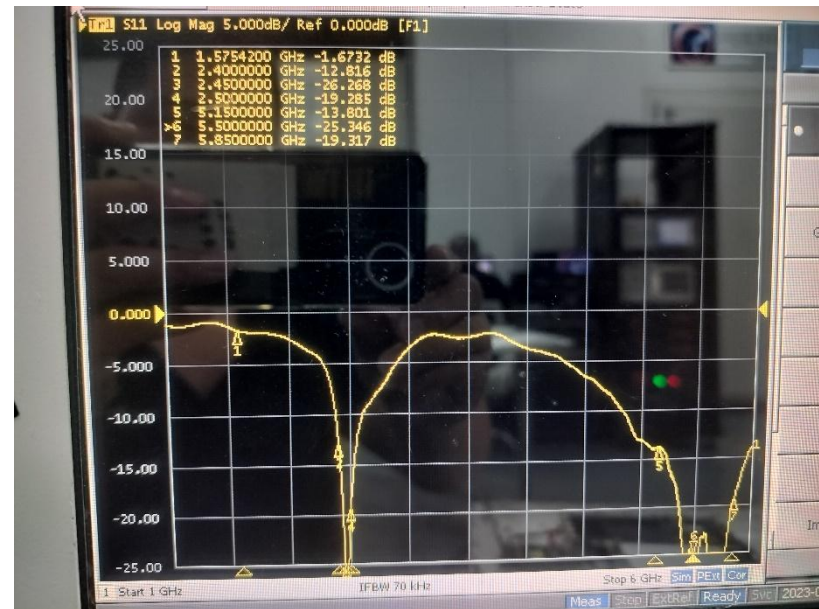
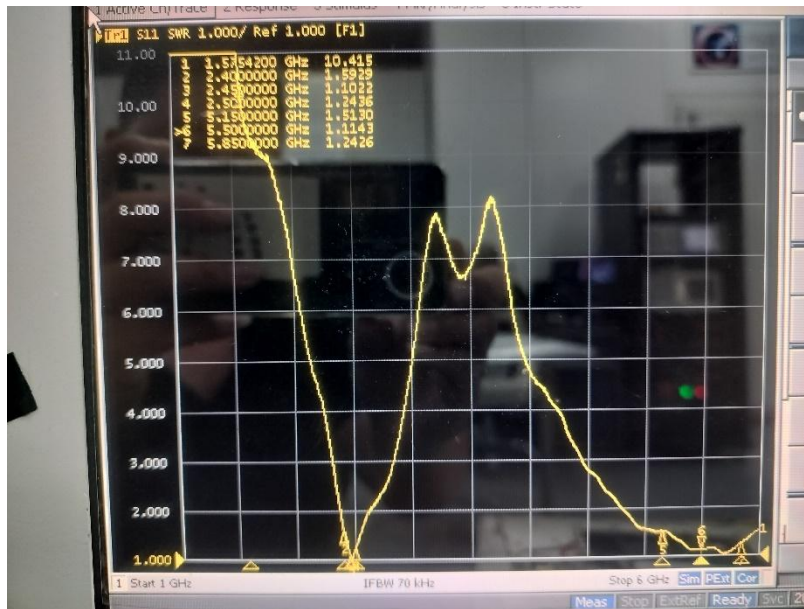
2. Test Result

2.1 WIFI 1 Antenna VSWR/S11



2. Test Result

2.1 WIFI 2 Antenna VSWR/S11



2. Test Result

2.2 WIFI 1 Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.02	2.78	49.87
2410.0	-2.75	2.14	53.06
2420.0	-2.63	2.14	54.52
2430.0	-2.44	2.08	57.06
2440.0	-2.65	2.71	54.37
2450.0	-2.65	2.49	54.37
2460.0	-2.46	2.58	56.73
2470.0	-2.73	2.43	53.35
2480.0	-2.73	2.39	53.36
2490.0	-2.76	2.55	52.96
2500.0	-2.79	2.19	52.65
5150.0	-4.46	2.29	35.78
5350.0	-4.05	2.10	39.33
5550.0	-4.27	2.39	37.37
5750.0	-3.75	2.52	42.16
5850.0	-3.65	2.49	43.18

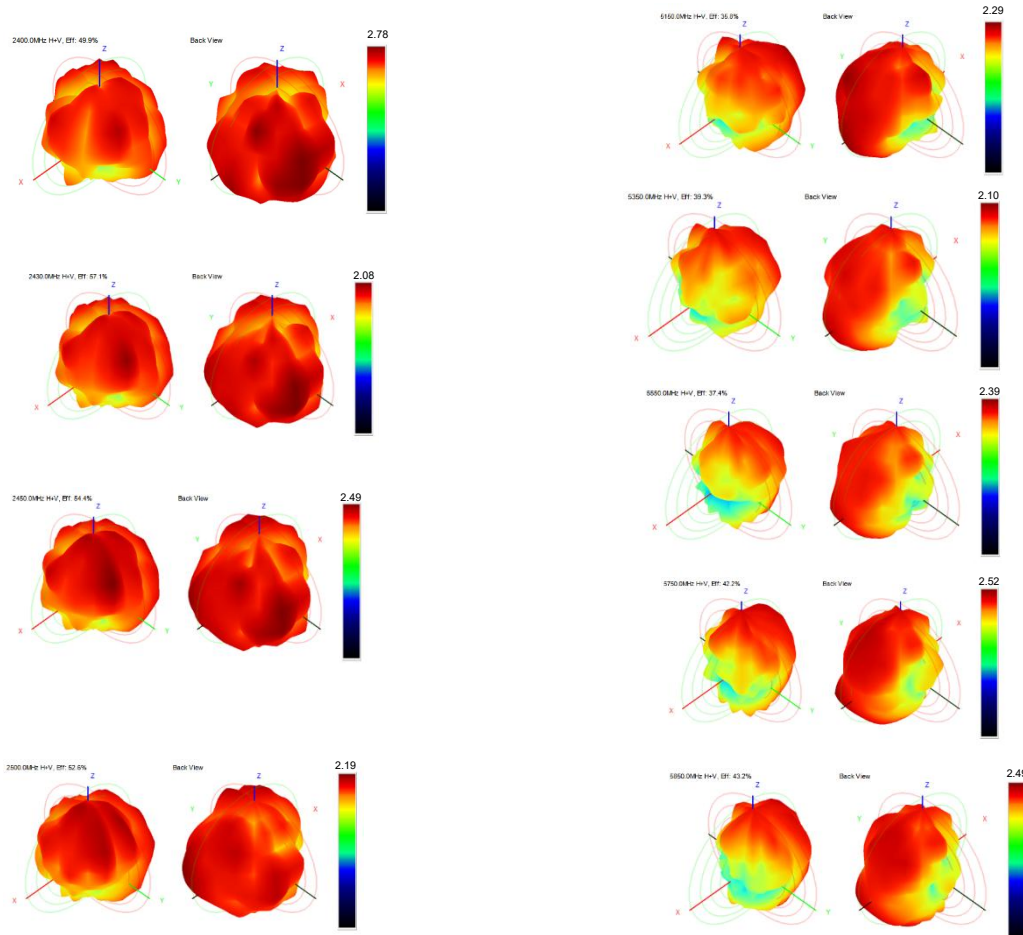
2. Test Result

2.2 WIFI 2 Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.10	2.75	49.00
2410.0	-2.85	2.16	51.90
2420.0	-2.76	2.12	52.92
2430.0	-2.67	2.23	54.03
2440.0	-2.97	2.23	50.48
2450.0	-2.97	2.33	50.48
2460.0	-2.73	2.76	53.33
2470.0	-3.05	2.74	49.54
2480.0	-3.07	2.42	49.28
2490.0	-3.14	2.43	48.47
2500.0	-3.14	2.67	48.54
5150.0	-3.95	2.06	40.24
5350.0	-4.42	2.54	36.13
5550.0	-3.91	2.79	40.67
5750.0	-3.59	2.40	43.79
5850.0	-3.26	2.52	47.16

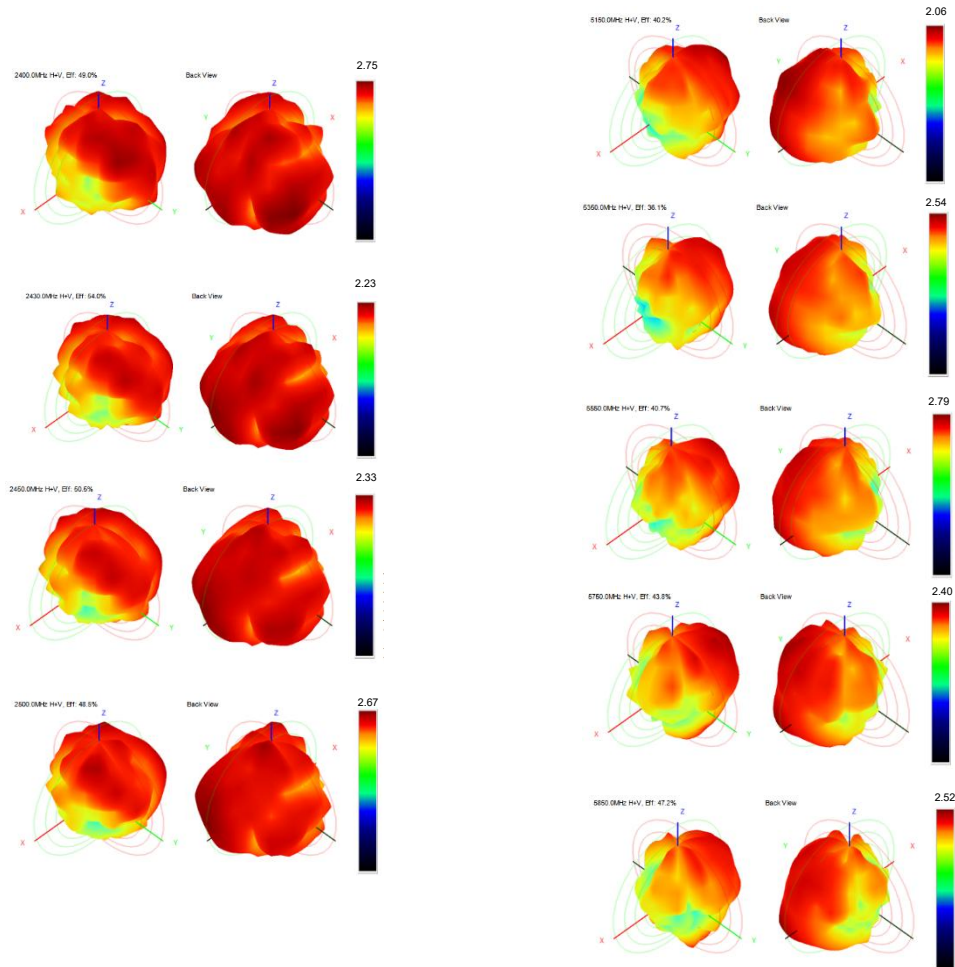
2. Test Result

2.2 WIFI 1 Antenna Gain/Efficiency/3D DATE



2. Test Result

2.2 WIFI 2 Antenna Gain/Efficiency/3D DATE



2. Test Result

2.3 WIFI active test

WIFI有源测试			
频段	1	6	11
B-TRP-11MBps	16.5	16.42	16.59
B-TIS-11MBps	-78.7	-80.83	80.59
G-TRP-54MBps	13.89	14.27	14.96
G-TIS-54MBps	-67.33	-69.96	-69.64
N-TRP-MCS7	13.53	14.3	14.32
N-TIS-MCS7	-65.81	-66.07	-66.38
频段	36	149	165
A-TRP-54MBps	10.26	9.69	10.1
A-TIS-54MBps	-70.55	-68.74	-70.28



3. Conclusions

Thank you