

Shenzhen Yishengbang Technology Co., Ltd.

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: k e j i n m i n g

Project: K350R-ROKU

WIFI 0: SLK-KJM-2813B6-M-100I-B-1.13

BT: SLK-KJM-2813B8-M-115I-W-1.13

Product: WIFI Antenna—FPC

Report date: 2025.11.26

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Approved by :

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Purpose

This report is to measure the performance of SLK for Master Antenna on K E J I N M I N G All measure data are showed below

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1. Product Overview

2. Test Result

- 2.1 VSWR/S11

- 2.2 Antenna Parameters

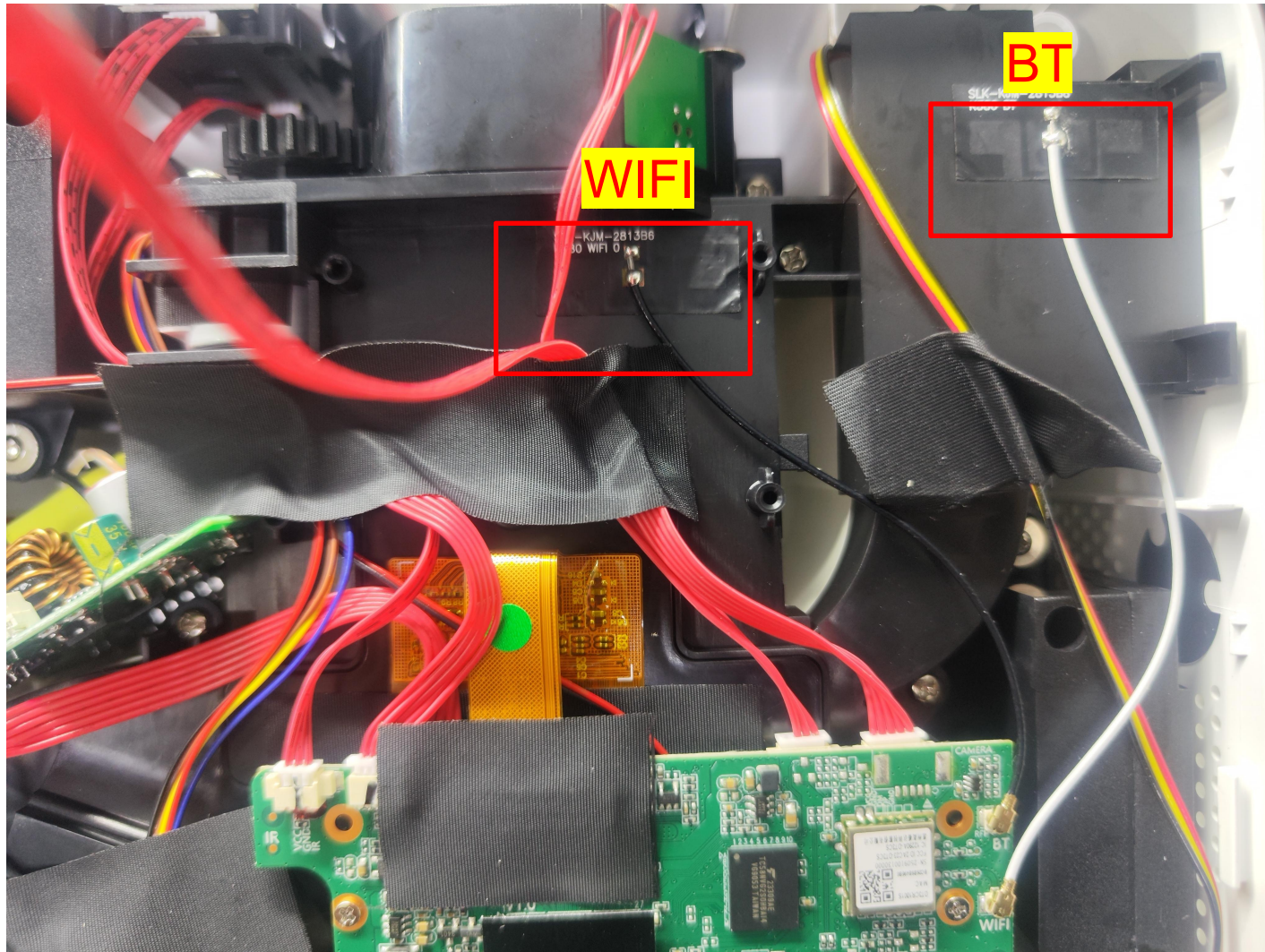
- 2.3 WIFI Conduction

- 2.4 WIFI Antenna TRP/TIS

- 2.5 WIFI Antenna Gain/Efficiency/3D DATA

3. Conclusions

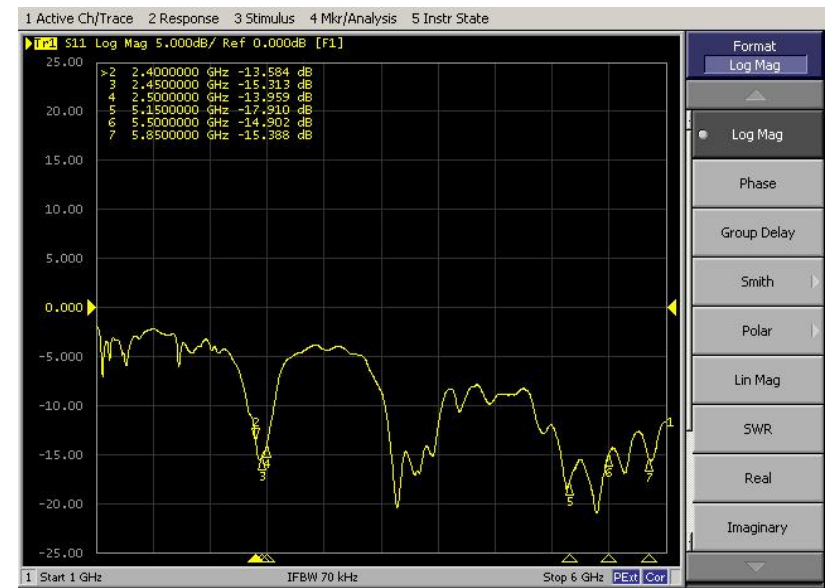
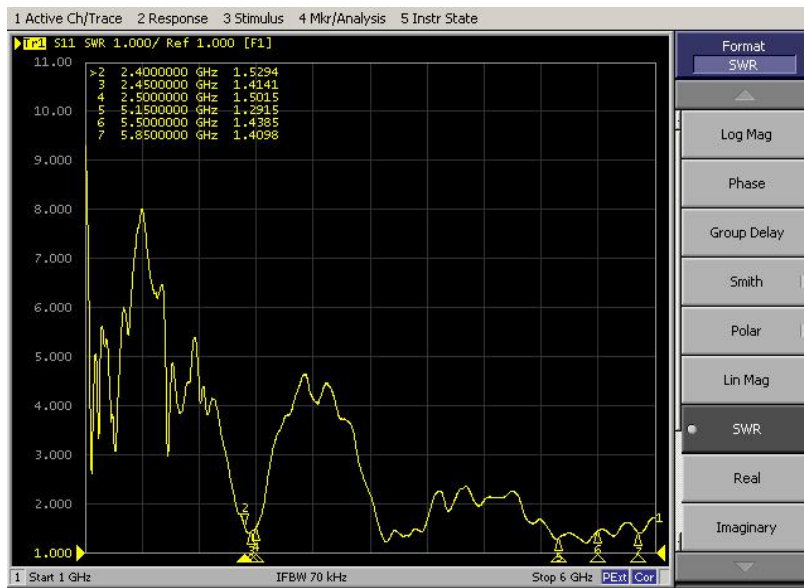
1. Product Overview



2. Test Result

2.1 VSWR/S11

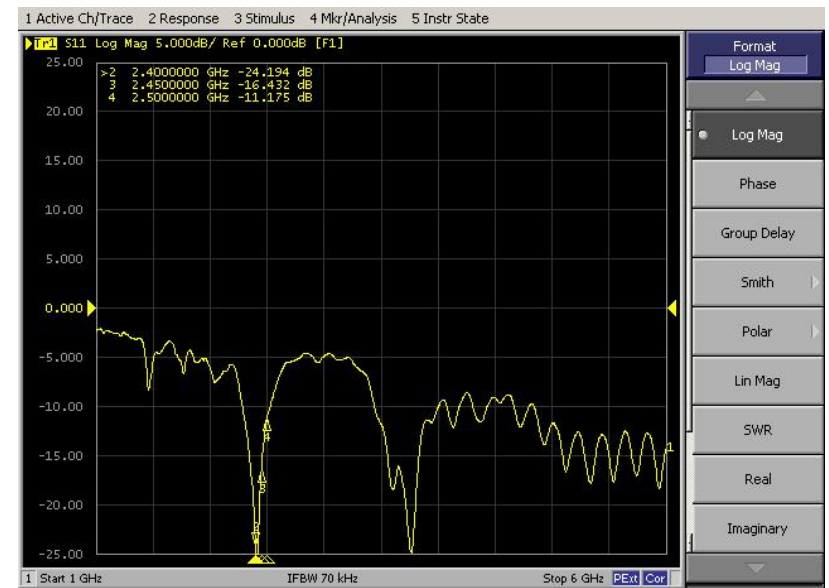
WIFI 0



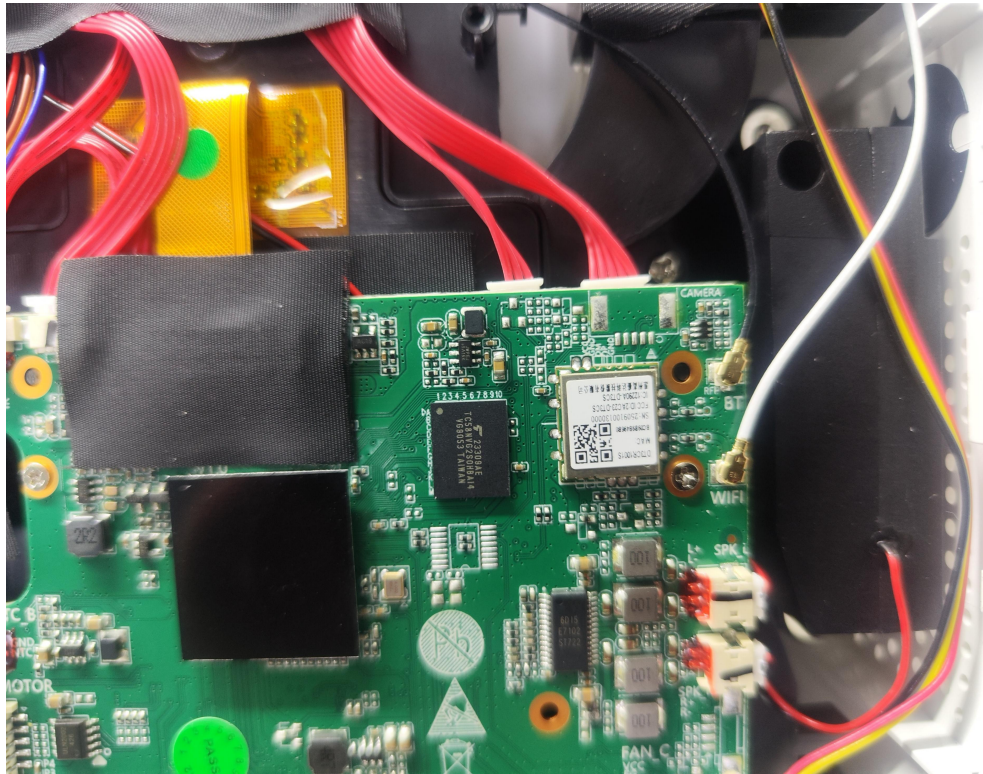
2. Test Result

2.1 VSWR/S11

BT



2.2 Antenna Parameters



2. Test Result

2.4 WIFI Antenna TRP/TIS

WIFI	CH	Power(54M)	Sensit ivity (54M)	WIFI	CH	Power(54M)	Sensit ivity (54M)
802.11a	36	8.2	-72.19	802.11g	1	8.86	-69.07
	149	8.27	-72.6		6	10.05	-69.97
	165	8.26	-72.33		11	9.59	-68.1
WIFI	CH	Power(11M)	Sensit ivity (11M)	WIFI	CH	Power(MCS7)	Sensit ivity (MCS7)
802.11b	1	9.28	-82.15	802.11n	1	8.82	-65.92
	6	9.53	-82.25		6	10.04	-66.14
	11	9.99	-81.24		11	9.54	-65.08

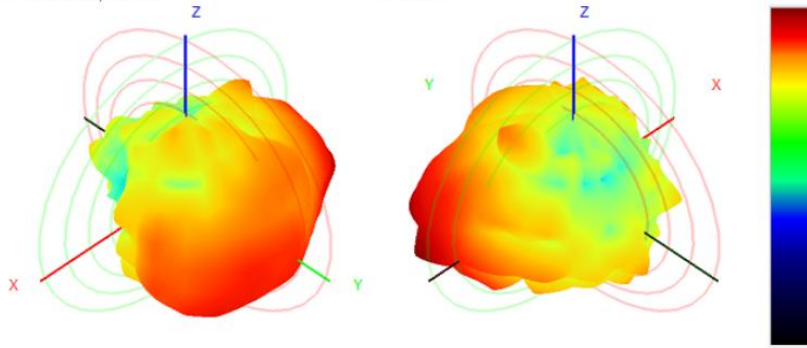
2. Test Result

2.5 WIFI Antenna Gain/Efficiency/3D DATA

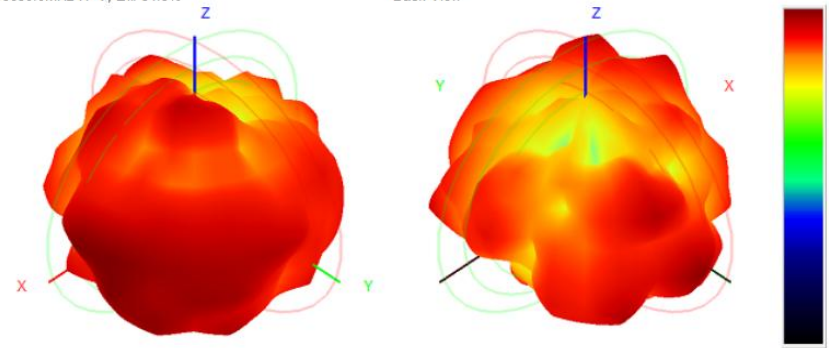
WIFI 0

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5350.0	5500.0	5650.0	5850.0
Efficiency (dBi)	-2.82	-2.77	-2.89	-2.75	-2.76	-2.86	-2.99	-2.91	-2.88	-2.89	-2.84	-2.88	-2.78	-2.69	-2.61	-2.84
Gain (dBi)	2.61	2.63	2.52	2.69	2.77	2.77	2.63	2.62	2.67	2.68	2.71	2.84	2.17	2.26	2.00	2.04
Efficiency (%)	52.14	52.79	51.35	53.08	52.85	51.71	50.19	51.12	51.42	51.32	51.92	51.44	52.71	53.71	54.82	51.88

2450.0MHz H+V, Eff. 51.7%



5850.0MHz H+V, Eff. 51.9%



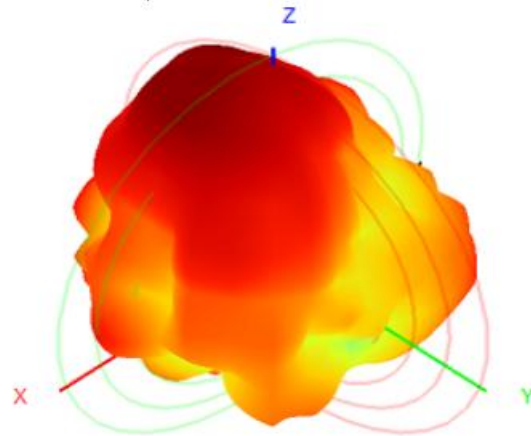
2. Test Result

2.5 WIFI Antenna Gain/Efficiency/3D DATA

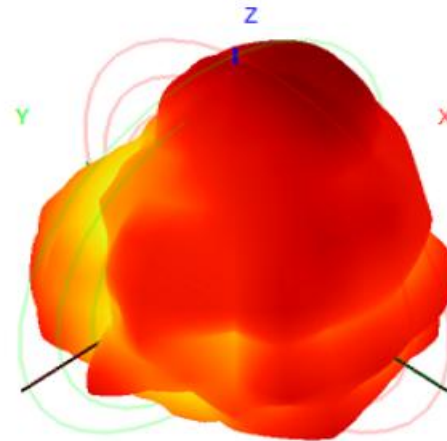
BT

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.91	-2.96	-2.94	-2.90	-2.79	-2.91	-2.97	-2.90	-2.92	-2.88	-2.95
Gain (dBi)	2.27	2.23	2.30	2.23	2.51	2.64	2.49	2.32	2.32	2.37	2.32
Efficiency (%)	51.07	50.56	50.78	51.25	52.58	51.11	50.44	51.25	50.96	51.50	50.67

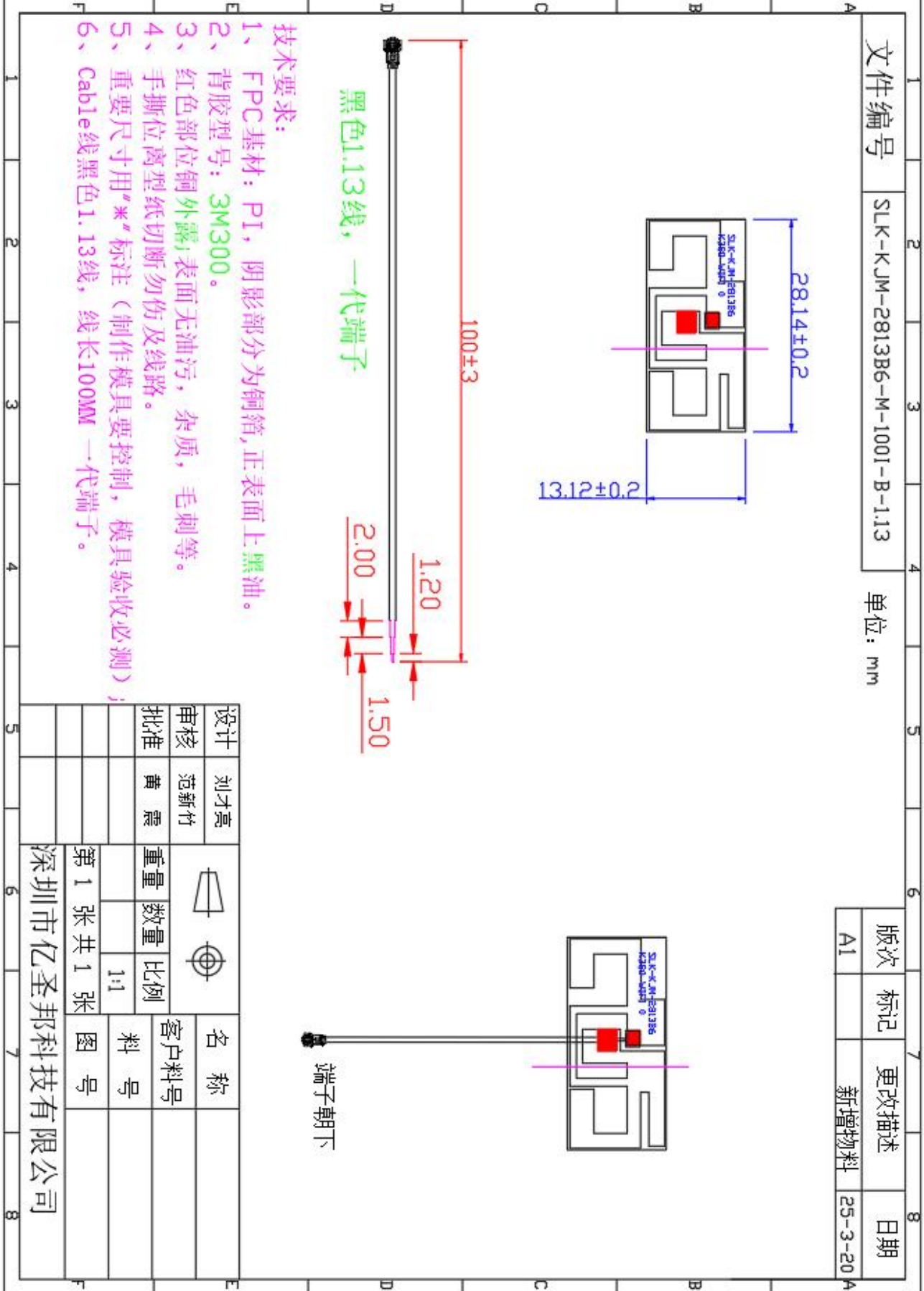
2450.0MHz H+V, Eff 51.1%



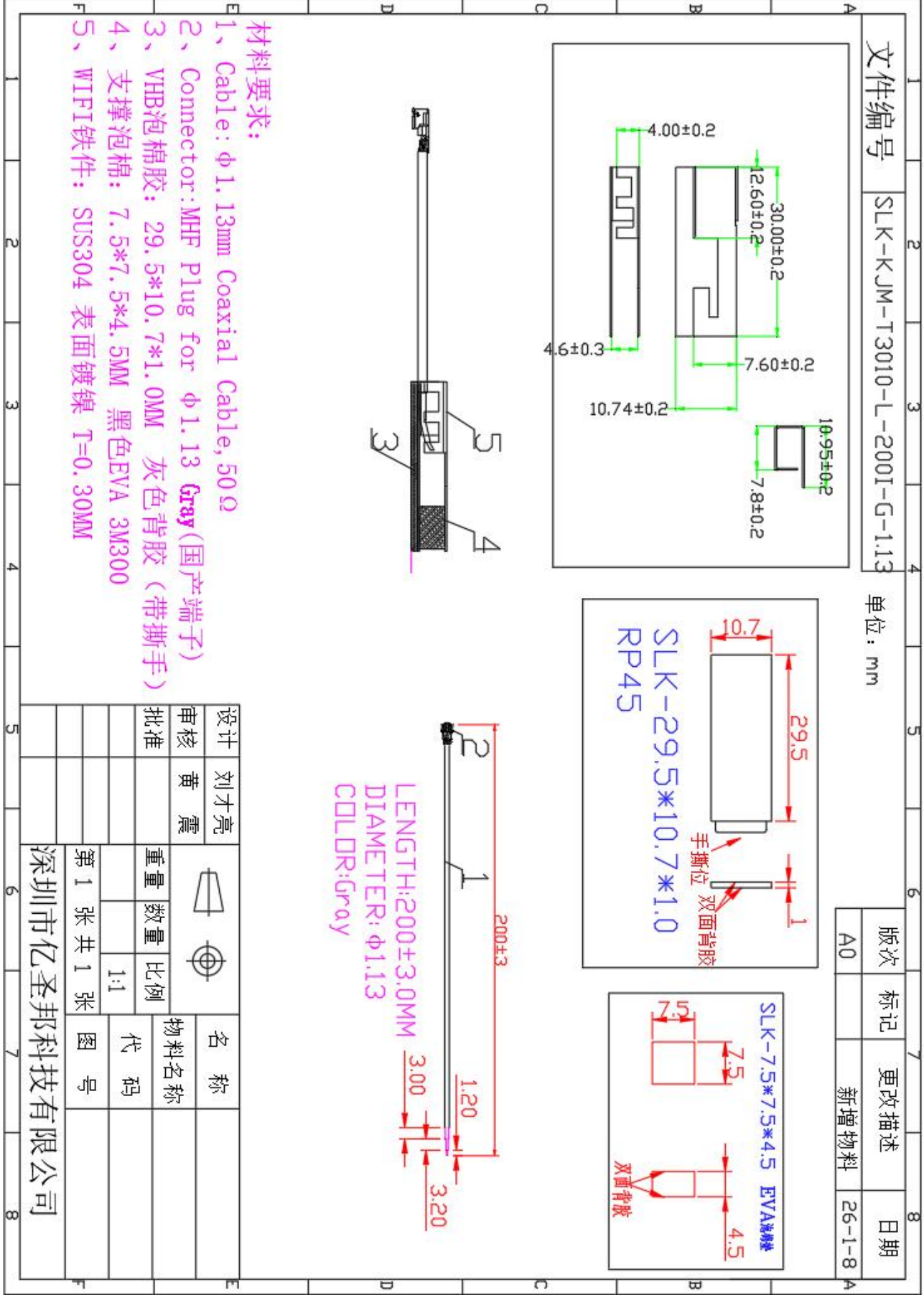
Back View



6. Antenna Dimensions (unit: mm)



5. Antenna Dimensions (unit: mm)





3. Conclusions

Thank you