

Shenzhen Saiwei Communication Technology Co., LTD

Antenna Test Report

Customer name: Yan Ke Xin
Project name: A26-4G
Report time: 20260713

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Shenzhen, Guangdong Province

Saiwei-Sai to far, Wei to eternity!

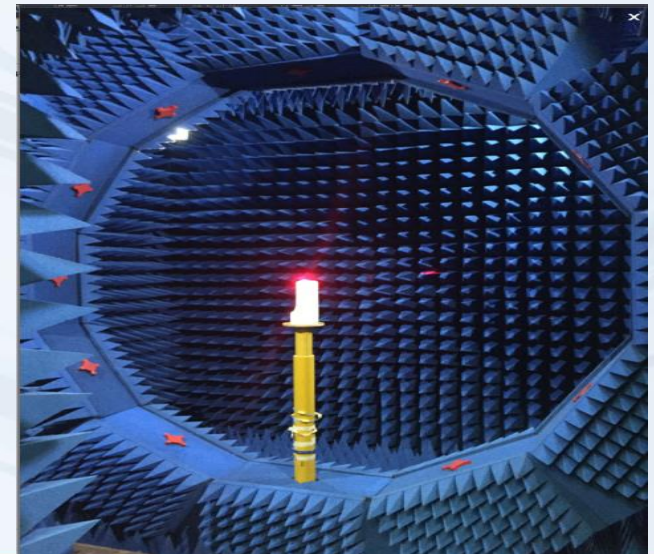
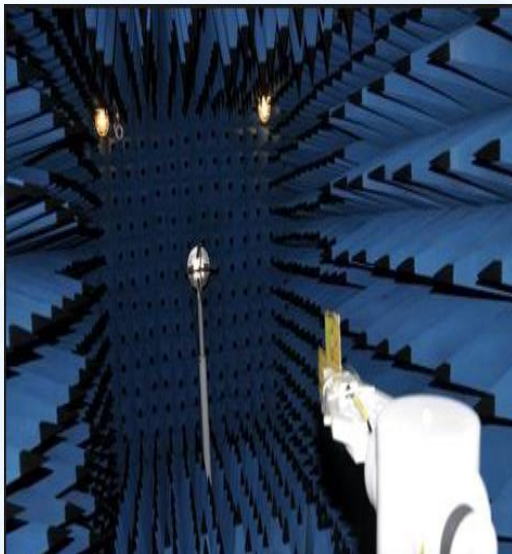
- 🏠 Project Debugging Introduction
- 🏠 Report Version Summary
- 🏠 Test Environment
- 🏠 Main Antenna Dark Chamber Data
- 🏠 Additional Notes

Project Debugging Introduction

type						
template						
Antenna Overview	main antenna	frequency range		Antenna status	Antenna type	Design area
		2G	850、900、1800、1900	FPC	PIFA	
		3G	W2/W4/W5			
		4G	2/4/5/7/12//13/17/25/26/41/66/71			
	Other antennas	BT/WIFI	2. 4G/5G		PIFA	
		GPS	1. 575G			
		diversity			PIFA	
Prototype status				Environmental Treatment		

Report Version Summary

edition	date	Content Overview
V1	20260713	data report



2G	Channel	TRP (dBm)	TIS (dBm)	Gain (dbi)
850	128	26.2		0.32
	192	26.3		
	251	26.4	-99.8	
900	1	26.4		-0.11
	62	26.7		
	124	26.3	-100.1	
1800	512	24.5		0.52
	698	25.6		
	885	25.4	-103.6	
1900	512	25.4		0.51
	661	24.2		
	810	24.2	-103.6	

3G Dark Room Data

3G	Channel	TRP (dBm)	TIS (dBm)	Gain (dbi)
W1	L	17.3		1.7
	M	17.6		
	H	17.5	-104.2	
W2	L	16.7		0.51
	M	16.5		
	H	16.3	-104.5	
W4	L	16.4		0.51
	M	17.5		
	H	17.6	-103.5	
W5	L	19.4		0.32
	M	19.4		
	H	19.5	-104.8	
W8	L	16.4		-0.11
	M	16.4		
	H	16.5	-101.1	

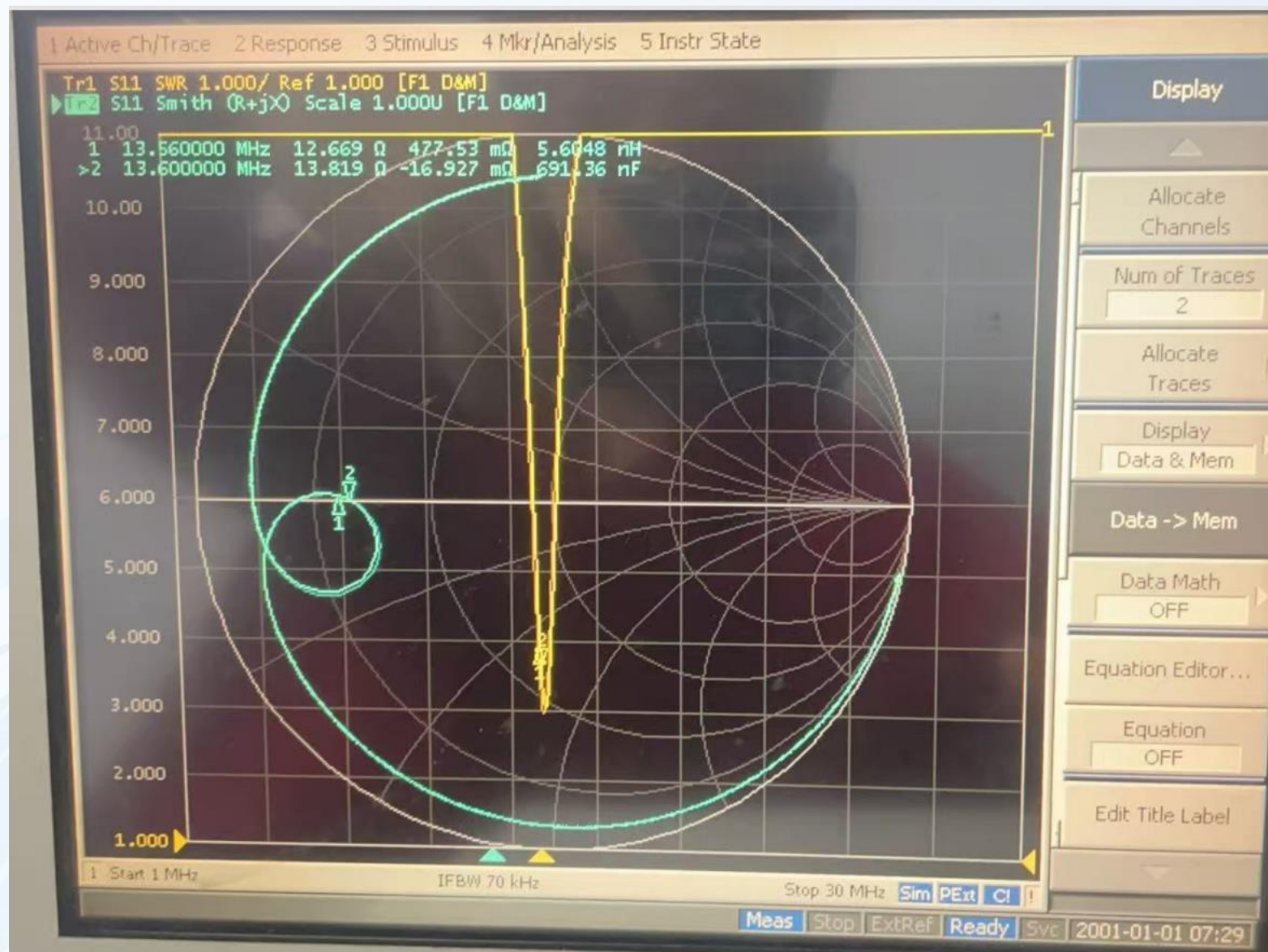
4G	Chann el	TRP (dB m)	TIS (d Bm)	Gain (dbi)	4G	Chann el	TRP (dB m)	TIS (d Bm)	Gain (dbi)
B2	L	17.5		-0.18	B12	L	15.4		-0.24
	M	17.4				M	15.5		
	H	17.2	-94.2			H	16.4	-89.1	
B4	L	18.7		-0.12	B13	L	15.2		-0.24
	M	19.5				M	15.6		
	H	19.1	-92.2			H	15.8	-90.5	
B5	L	16.1		0.32	B17	L	15.7		-0.26
	M	16.2				M	15.8		
	H	16.4	-87.1			H	16.2	-89.3	
B7	L	17.8		0.07	B25	L	17.4		-0.07
	M	18.5				M	17.1		
	H	17.1				H	17.5	-90.2	

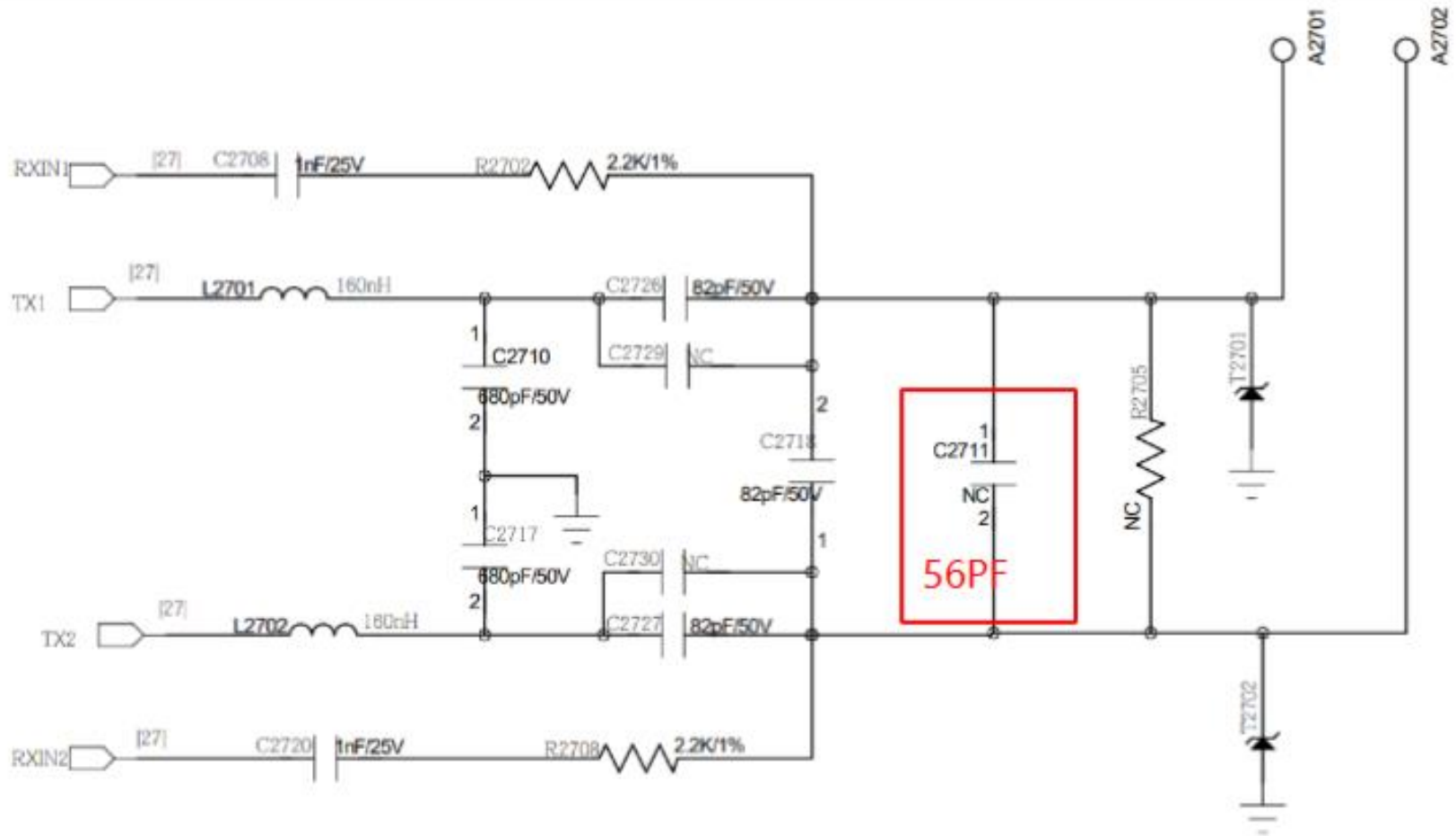
4G Dark Room Data

4G	Channel	TRP (dBm)	TIS (dBm)	Gain (dbi)
B26	L	16.5		-0.12
	M	16.3		
	H	16.4	-87.1	
B41	L	17.4		0.26
	M	17.6		
	H	17.4	-92.4	
B66	L	18.6		-0.08
	M	18.5		
	H	18.2	-91.5	
B71	L	14.6		-0.88
	M	15.7		
	H	15.8	-89.5	

	Gain(dbi)
WIFI2.4G	0.66
WIFI5.8G	1.11
BT	0.66
GPS	0.25

NFC Standing Wave Pattern

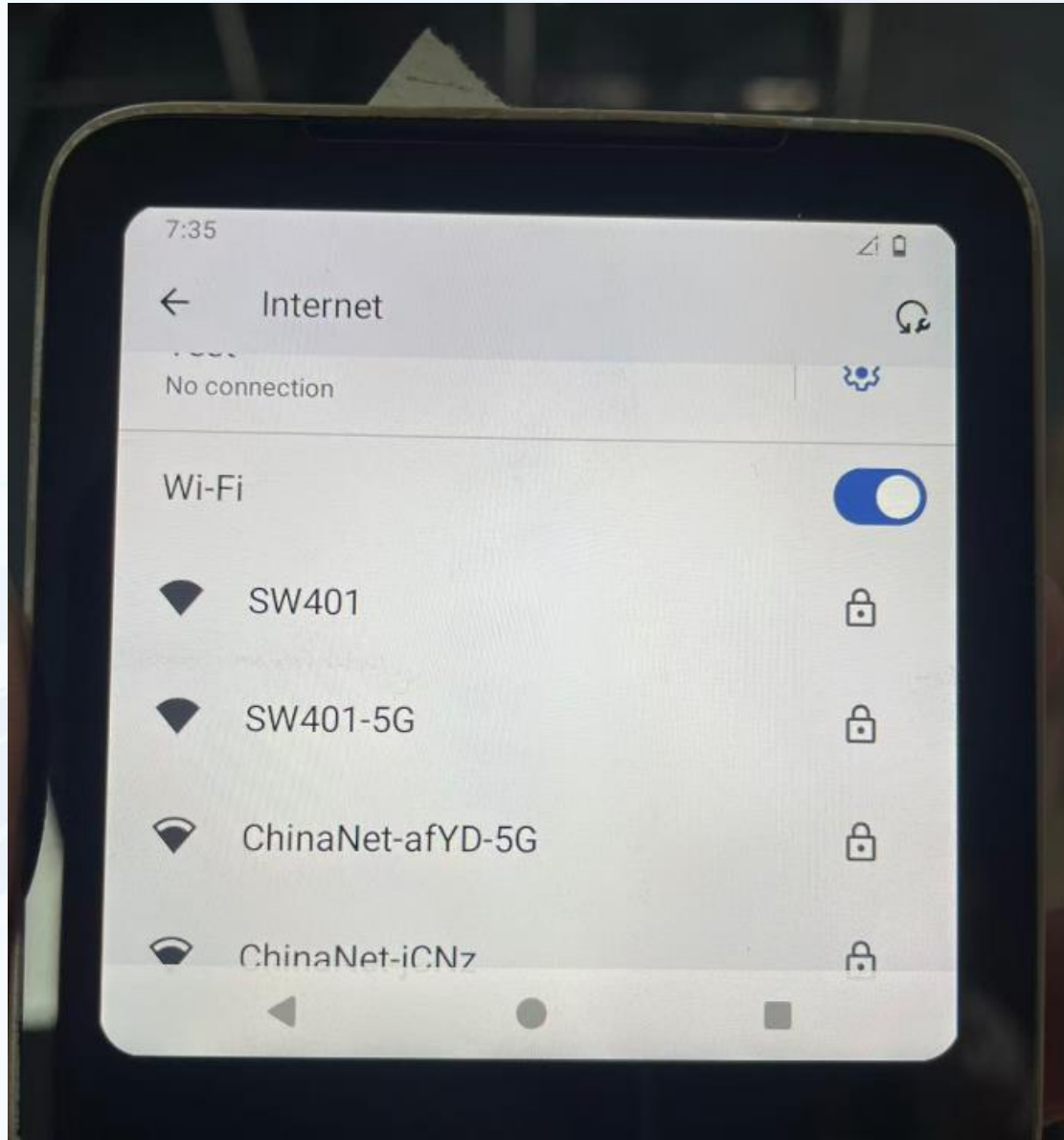




Change this to 56PF; everything else remains unchanged.

subject of entry	XXX	
classify	testing facility	test result
Card Reader Mode Communication Range	T1T (Topaz-512)	40mm
	T2T(Mifare Ultralight)	38mm
	T3T(Felica)	38mm
	T4T(Mifare Desfire)	18mm
	T5T (ISO 15693)	40mm

测试项目:wifi



The 10-meter connection is normal with full signal strength.

test item : GPS

7:33

YGPS

SATELLITES
CNR

SATELLITES
LOC

INFORMATION

TIME
STATISTICS

GPS TEST

MPE
STATUS

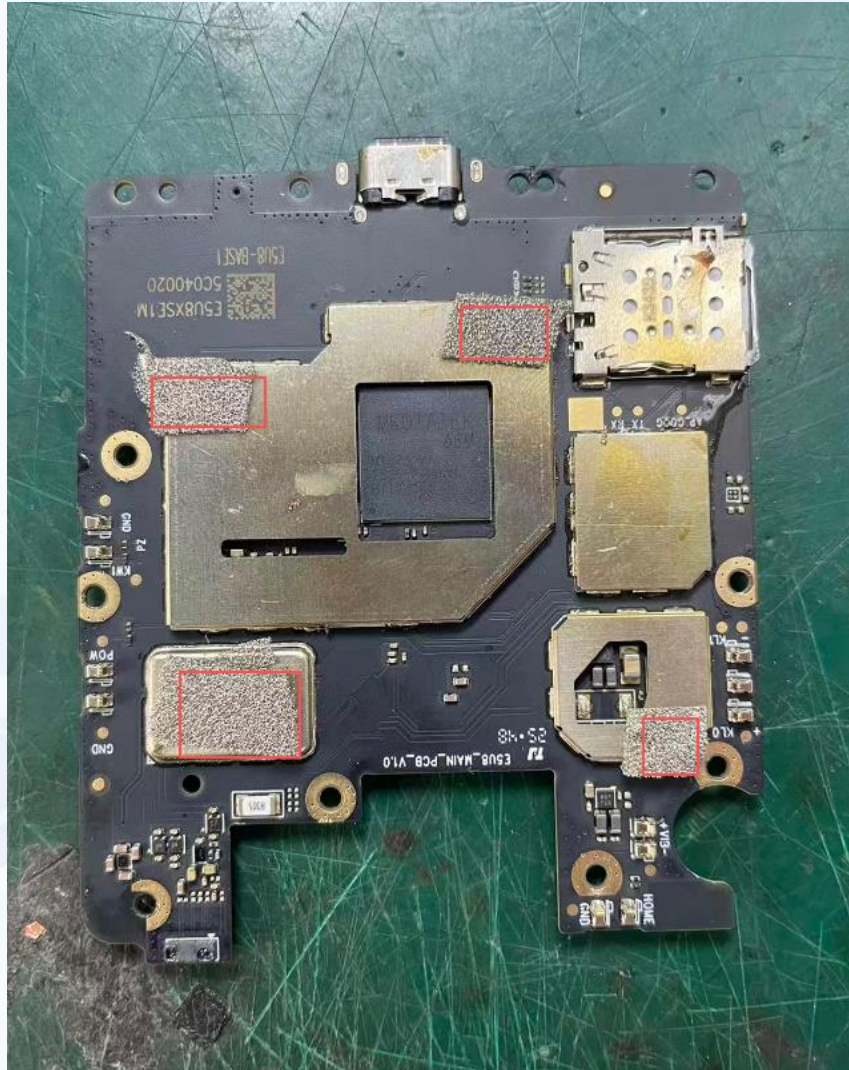
G:GPS R:GLN B:BD E:GAL Q:QZS L:L1S L:RNSS S:SBAS

Average CNR

G:29.8/-/-/-/- R:29.8/-/-/-/- B:28.7/-/-/-/- E:30.9/-/-/-/- Q:27.0/-/-/-/-
L:-/-/-/-/- I:-/-/-/-/- S:-/-/-/-/-

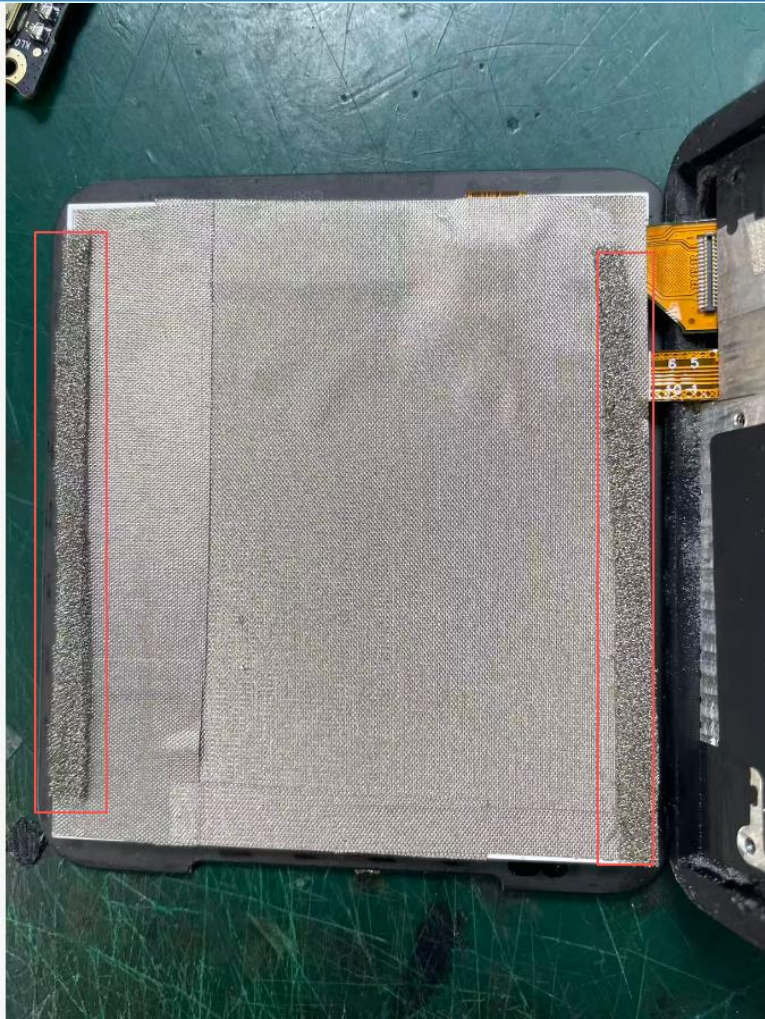
☐ Show in single page

SVID	Fq	CNR	Elevation	Azimuth
 4 L1	40.1	55.00	302.00	
 8 L1	33.3	46.00	202.00	
 9 L1	31.1	24.00	316.00	
 16 L1	42.4	54.00	1.00	
 27 L1	14.2	74.00	157.00	
 28 L1	17.7	28.00	100.00	



The motherboard is equipped with four sponge pads and a zinc alloy grounding contact.

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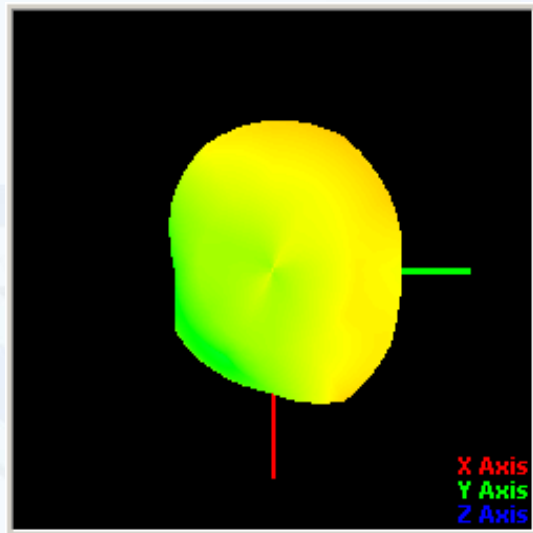
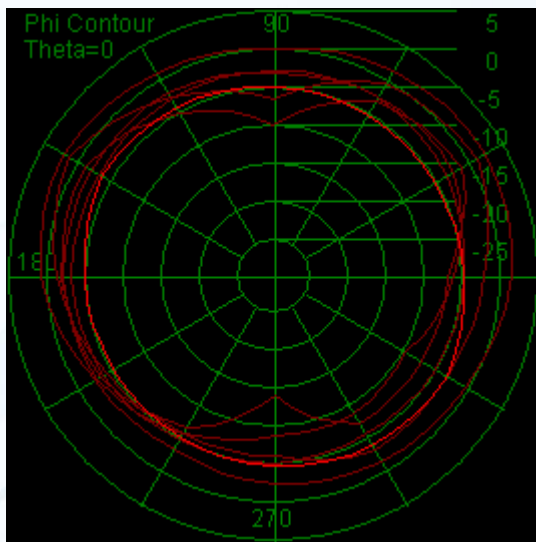


The screen has high sensitivity and requires shielding: apply a conductive fabric as shielding on the screen, and attach two layers of sponge and zinc alloy to both sides for grounding.。

2D/3D

Main antenna apple diagramApple chart

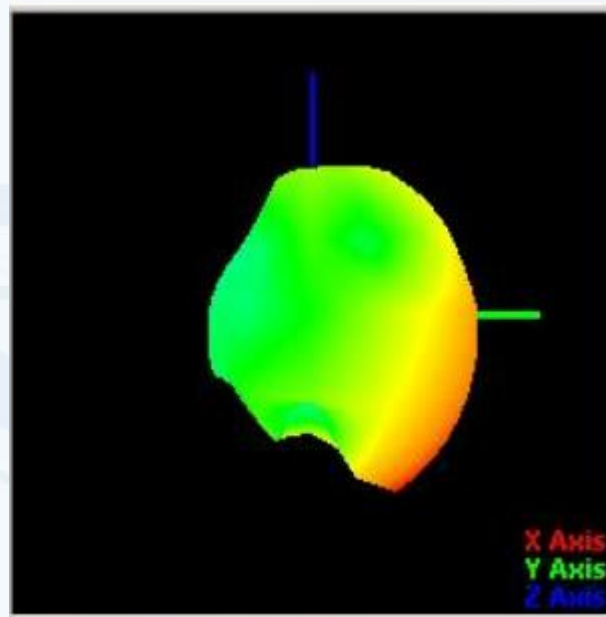
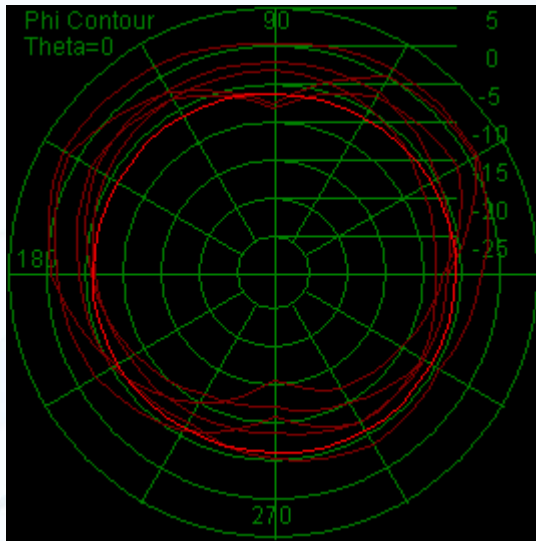
800M



2D/3D

Main antenna apple diagramApple chart

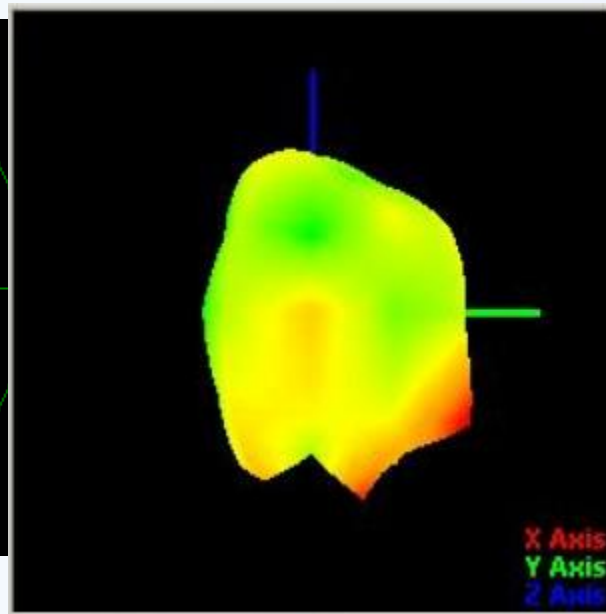
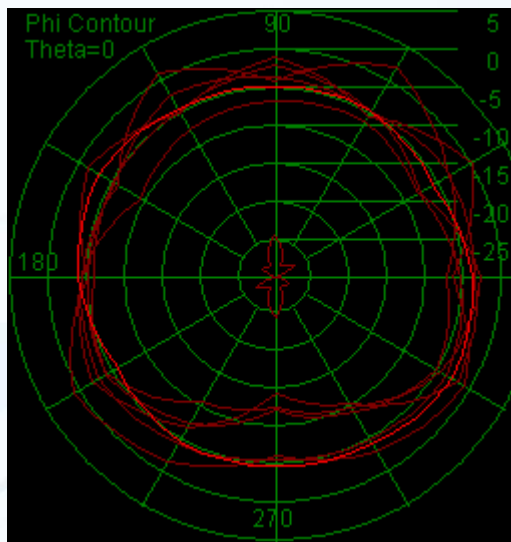
900M



2D/3D

Main antenna apple diagramApple chart

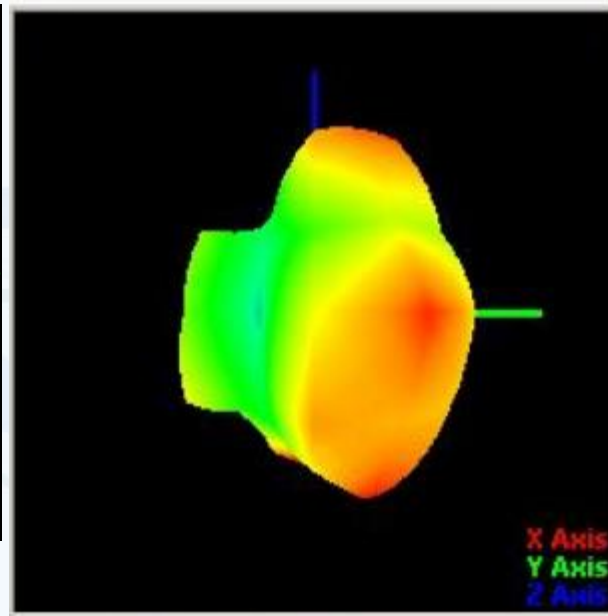
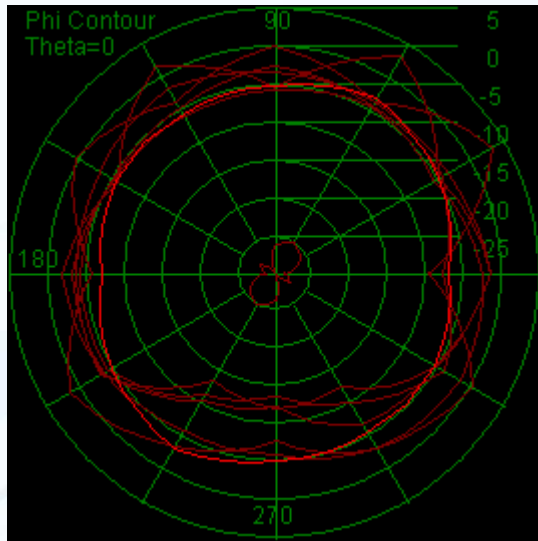
1700M



2D/3D

Main antenna apple diagramApple chart

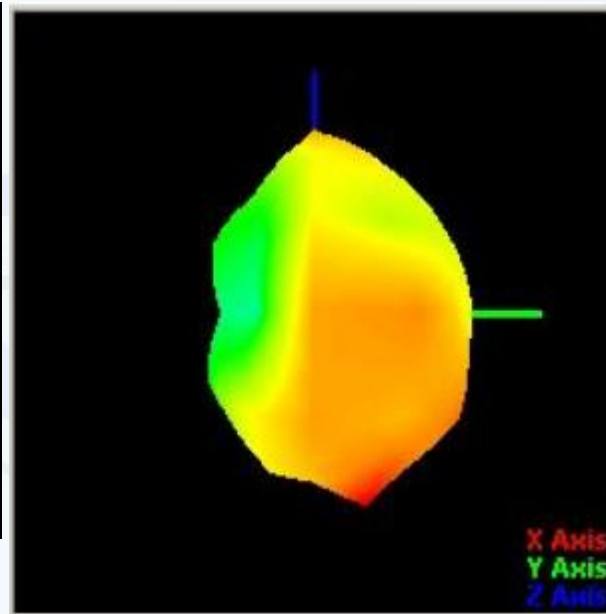
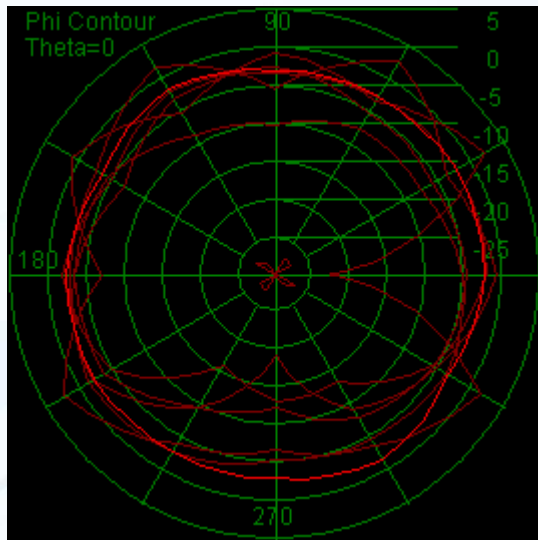
1800M



2D/3D

Main antenna apple diagramApple chart

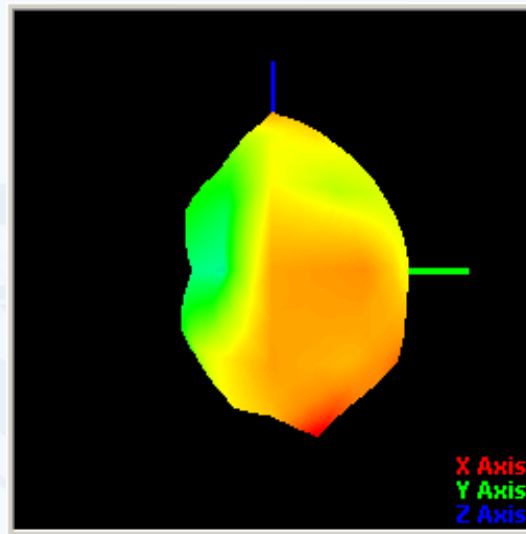
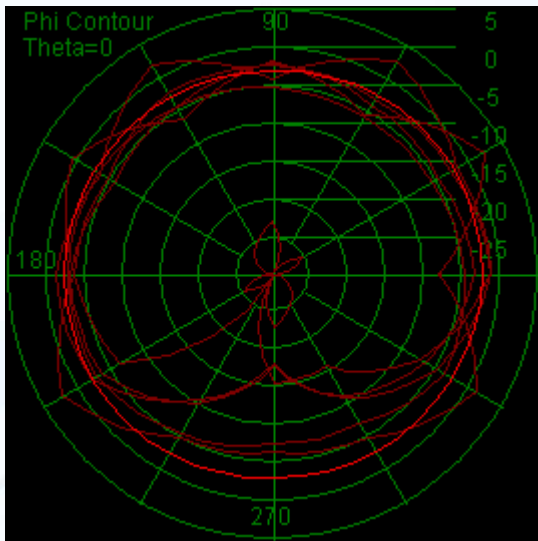
1900M



2D/3D

Main antenna apple diagramApple chart

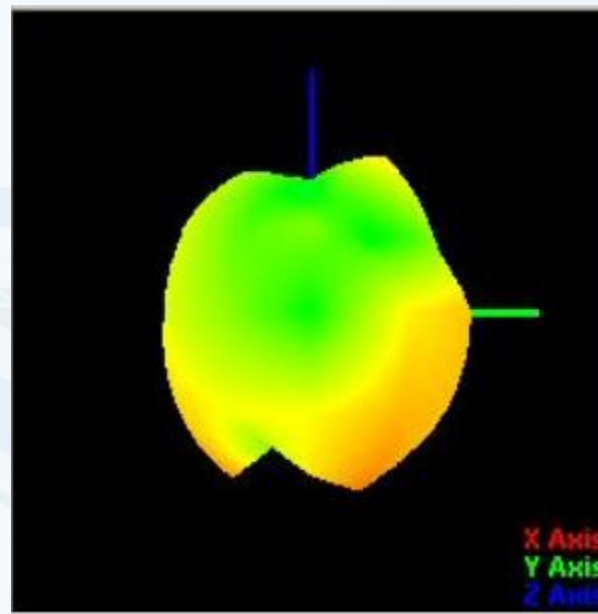
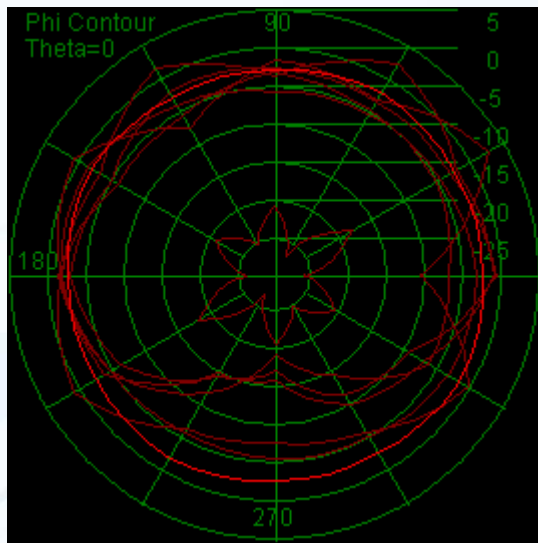
2100M



2D/3D

Main antenna apple diagramApple chart

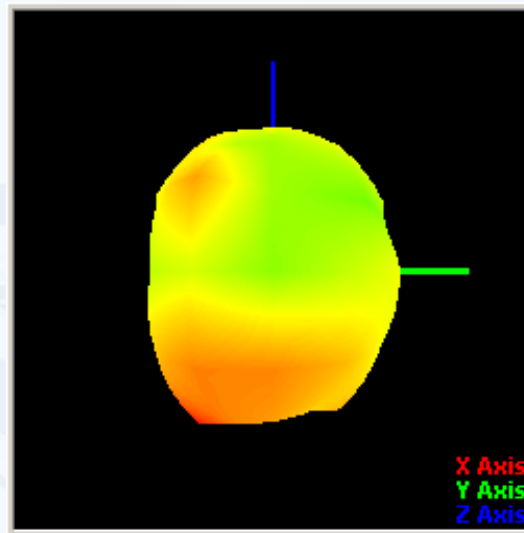
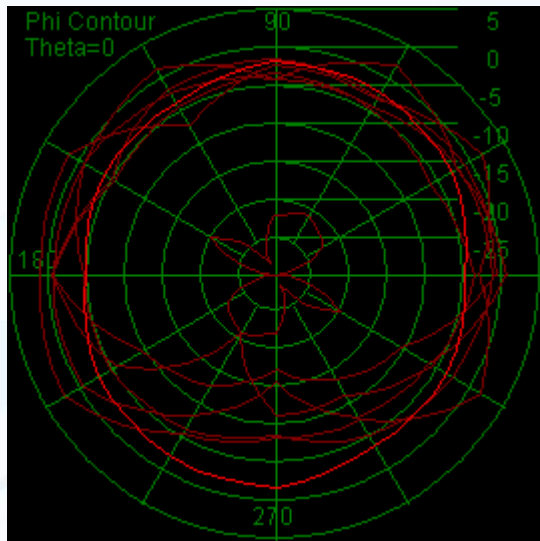
2300M



2D/3D

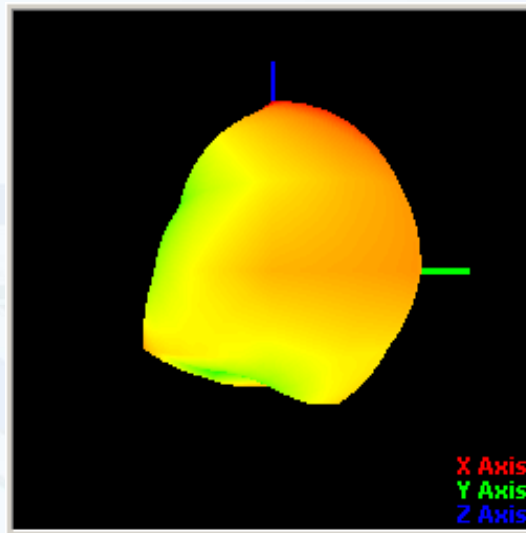
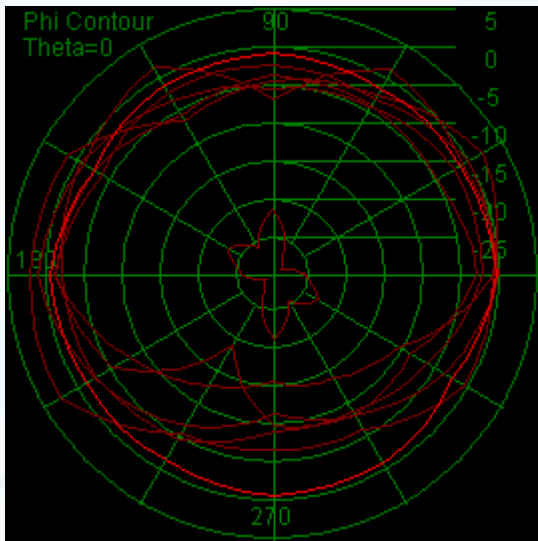
Main antenna apple diagramApple chart

2600M



2D/3D WIFI/BT antenna apple diagramApple chart

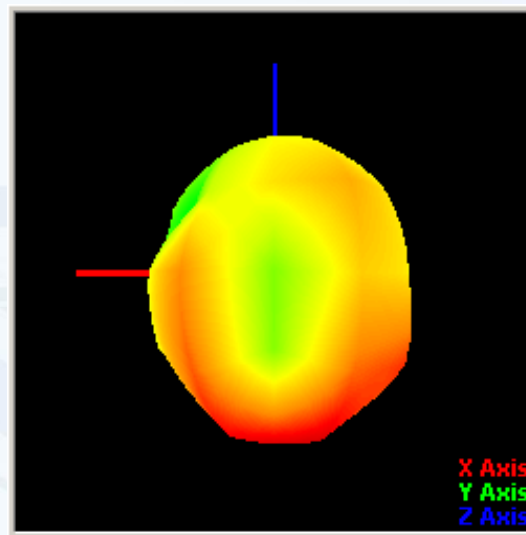
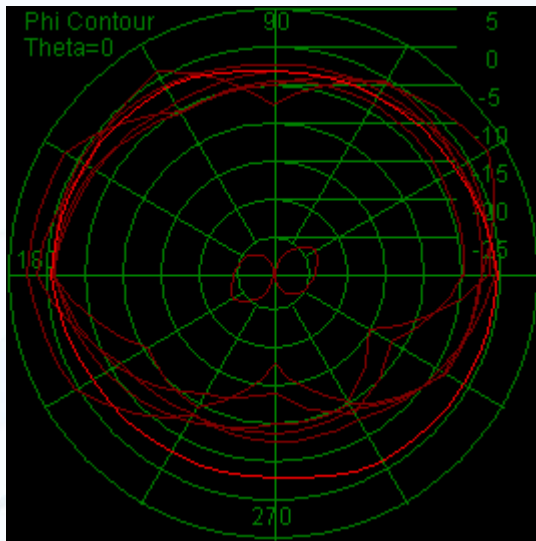
WIFI/BT/2.4G



2D/3D

WIFI antenna apple diagramApple chart

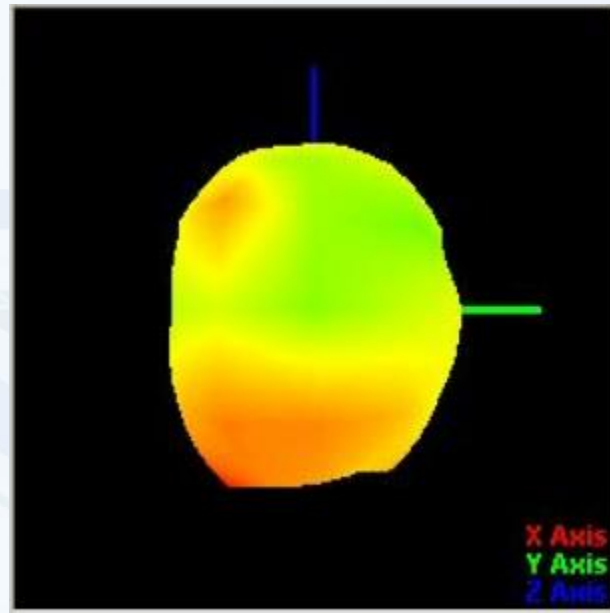
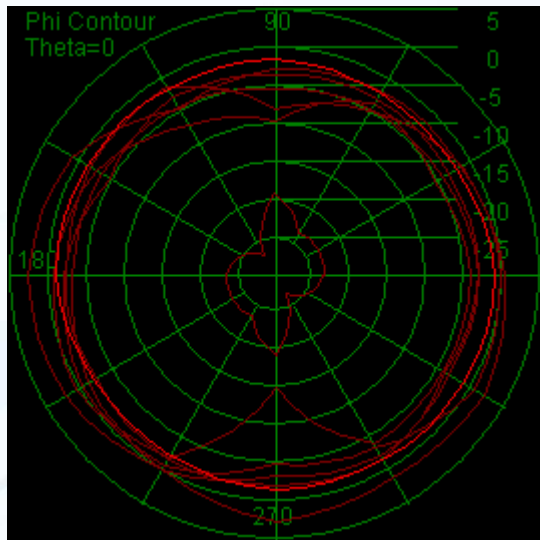
WIFI/5G



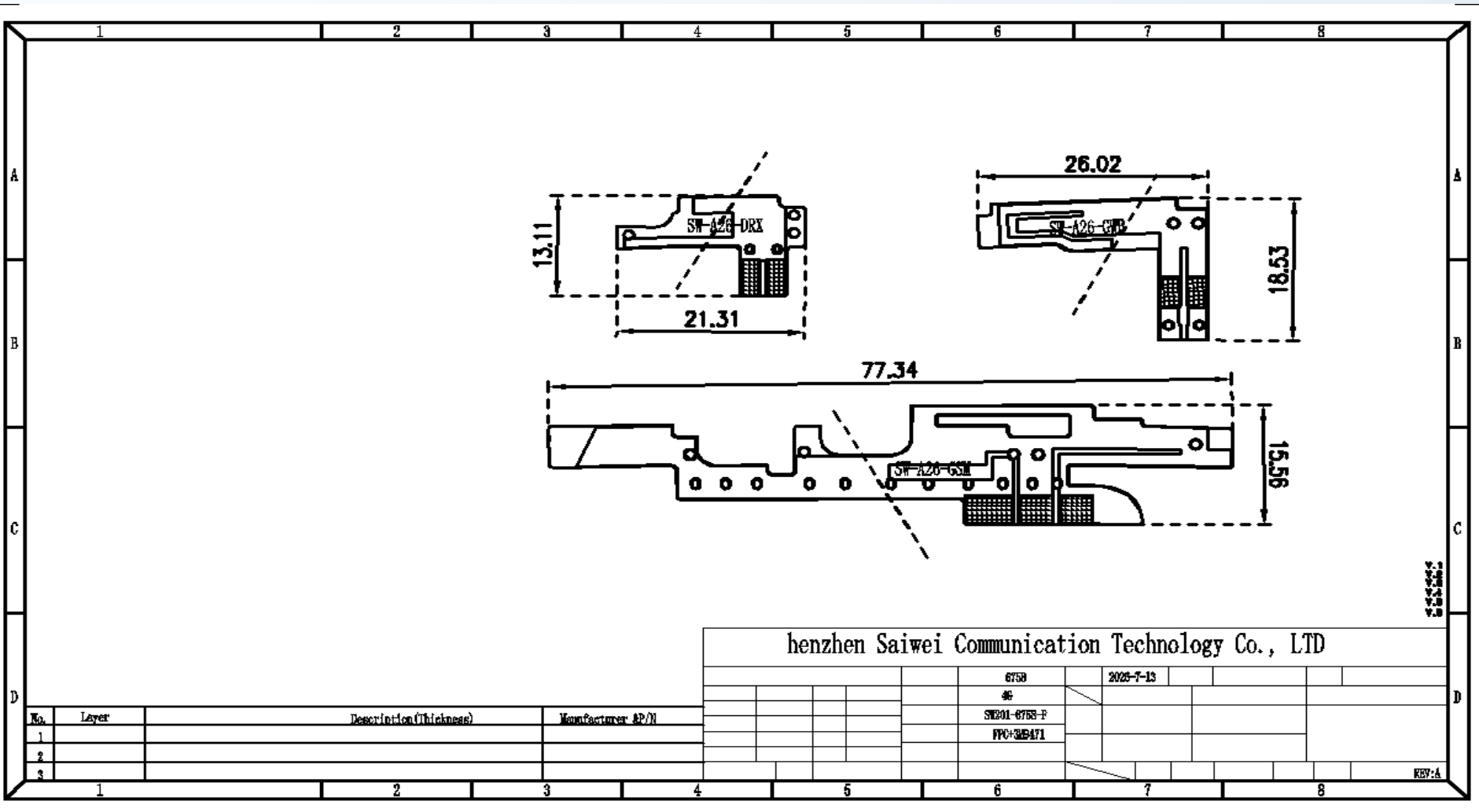
2D/3D

GPS antenna apple diagramApple chart

GPS



Main/WIFI/BT/GPS/DRX antenna



Additional Notes

Please carefully verify whether the matching circuit mentioned in the report has been modified and whether the environmental processing has been imported, which will directly affect the antenna performance.

Note: The parameters in this report are solely for our companys prototype debugging and do not reflect the final production status of your companys project.

If your company has a prototype with the latest trial production or updated status (such as material replacement, software update, or environmental processing change), please submit it to us for verification as soon as possible to confirm whether the antenna performance is affected. If your company needs to send the antenna to a third party for retest or to the customer for test, please submit the machine to be tested to our company for test confirmation, because the consistency of the motherboard, the consistency of the assembly, and the difference in the antenna assembly may lead to the deviation of the antenna parameters.

THANKS!

