

Sample Recognition Letter

PROJECT NAME : W105

BAISHUI LAI	ME	RF	QC
Signature	CHENLONG YANG	WANGPING	LIUJIADE
date	20250317	20250317	20250317
CUSTOMER	ME	MD	QC
Signature			
date			

1summary1-2

Project W105		write: Wang ping	Name :W105 Sample Recognition Letter
Date:2025/03/17			
Edition		Examine and rify: Qinbilin	
A			
Manufacturer :Shenzhen BaiShuiLai Intelligent Technology Co. , Ltd. Address :307.309 ,D Building minle science and Technology Park Meiban Road Longhua district Shenzhen,China			

2Name and type of antenna..... 2-2

3Debug settings.....3

3.1 standing wave(VSWR) and Reccho reflection(Return Loss).....

3.2 TRP/TIS make use of Agilent8960(8820C) testinthe ETS 5m×4m×4m 3D Chamber

3.3(Matching Circuit Description).....

4 Effective Radiated Power Summation4

5assumptiondiagram.....5

1Summary

This report is mainly used to describe the 《BaishuilaiElectronics》 W105 Sample antenna

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recognition letter.

2 Name and type of antenna

MATERIALS	NAME	TYPE
WIFI/BT ANTENNA	BT/WIFI	PIFA

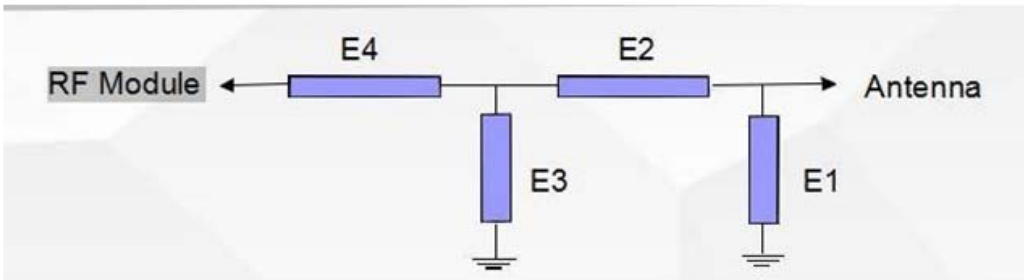
3Debug settings

3.1standing wave(VSWR)and echo reflection(Return Loss)

VSWR is using the HP 8753E connected to the terminal assembly to test, state for free space.

3.2 TRP/TRS Tested in the ETS 5m× 4 m× 3 m 3D Chamber using Agilent8960 (8820 C) .

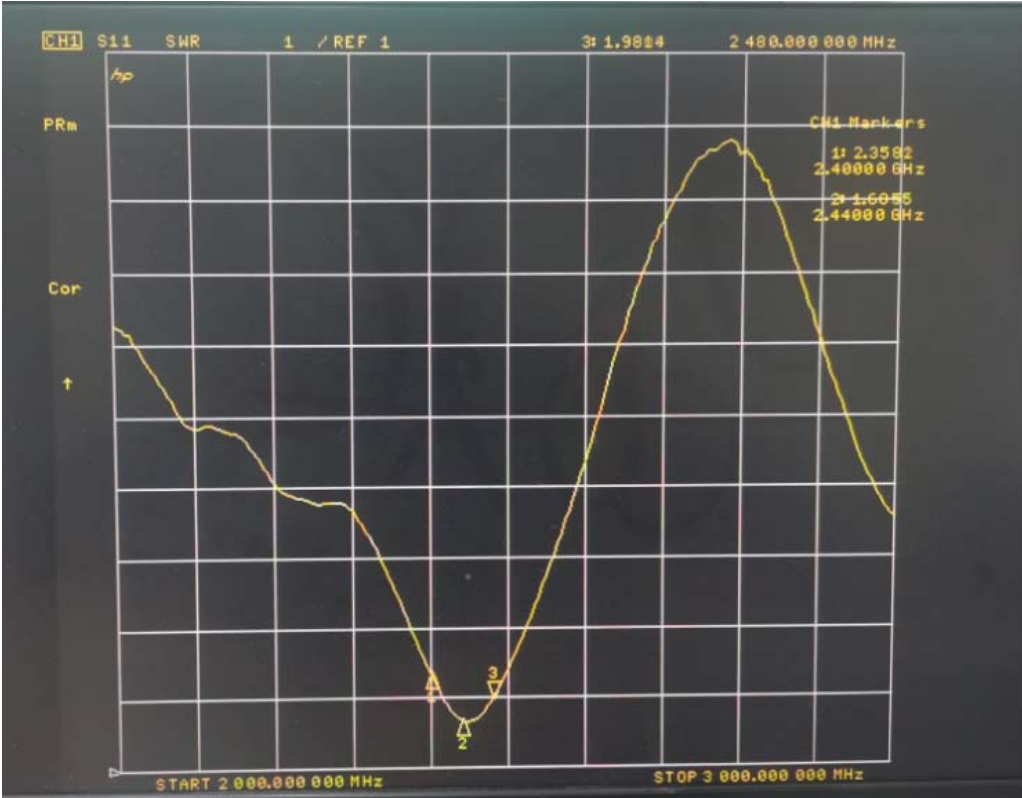
3.3Matching Circuit Description Match have no change



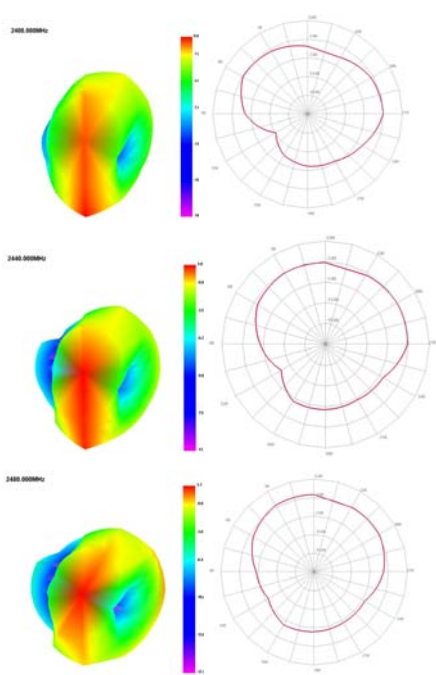
2.4G bt TDD LTE FDD LTE		Element	Value	Press the motherboard original matching circuit is not modified
		E1(0201)		
		E2(0201)		
		E3(0201)		
		E4(0201)		

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4 Effective Radiated Power And Isotopic Sensitivity SummationBT/WIFI1-2.4G

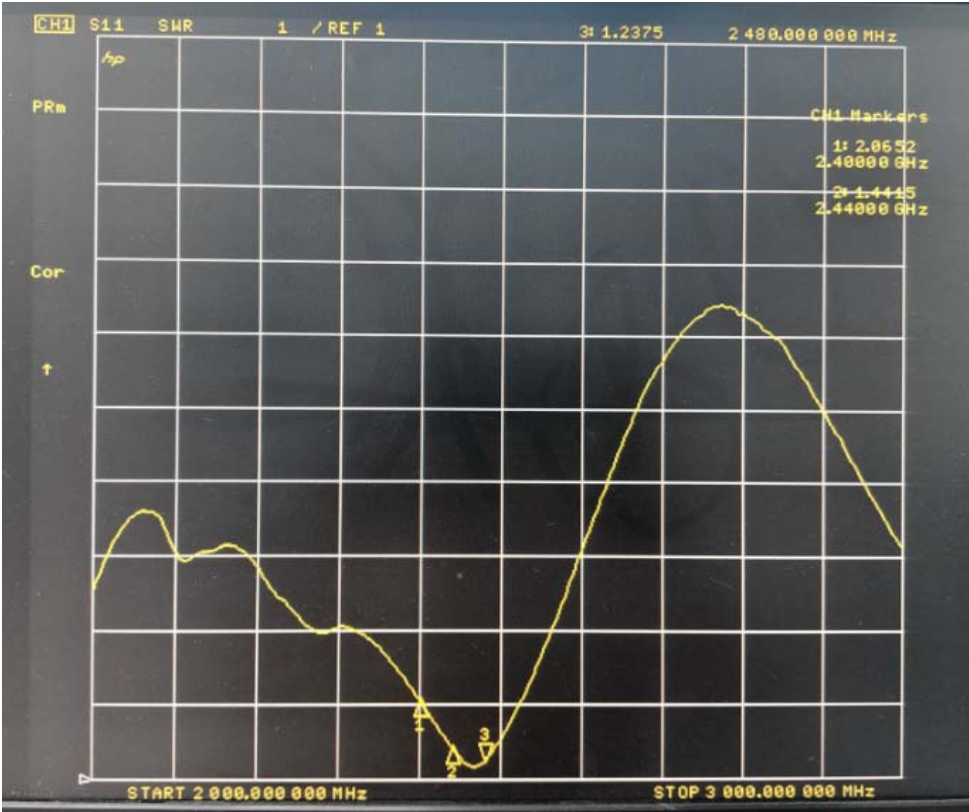


Channel	Gain(dBi)	Efficiency (%)
2400	0.83	41.5
2410	0.96	42.3
2420	0.89	42.6
2430	0.72	42.4
2440	1.03	44.4
2450	1.28	45.5
2460	1.37	46.3
2470	1.3	46.7
2480	1.1	45.6

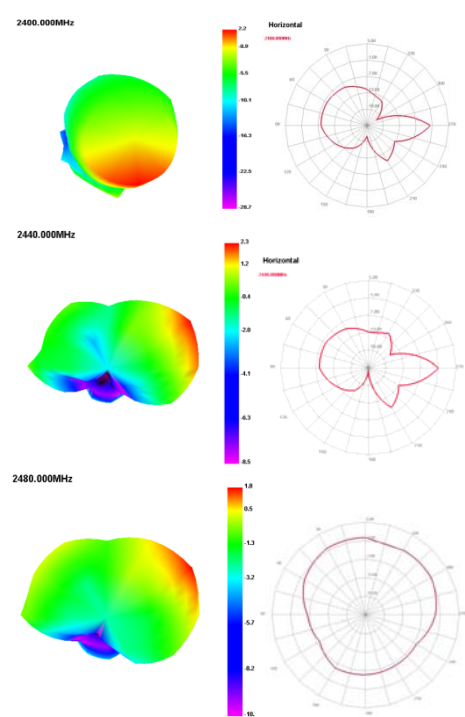


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BT/WIFI 2-2.4G

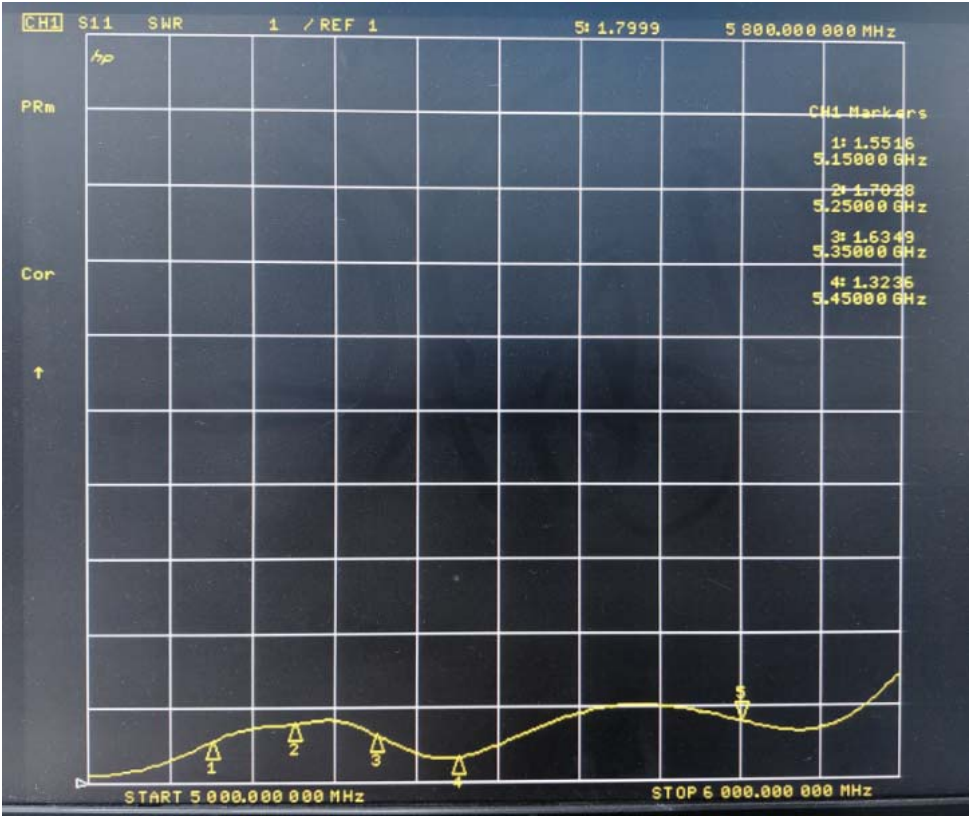


Channel	Gain(dBi)	Efficiency (%)
2400	2.20	38.4
2410	1.42	39.2
2420	1.73	42.9
2430	1.85	43.2
2440	2.22	40.1
2450	2.01	38.8
2460	1.95	39.3
2470	1.87	38.2
2480	1.79	36.4

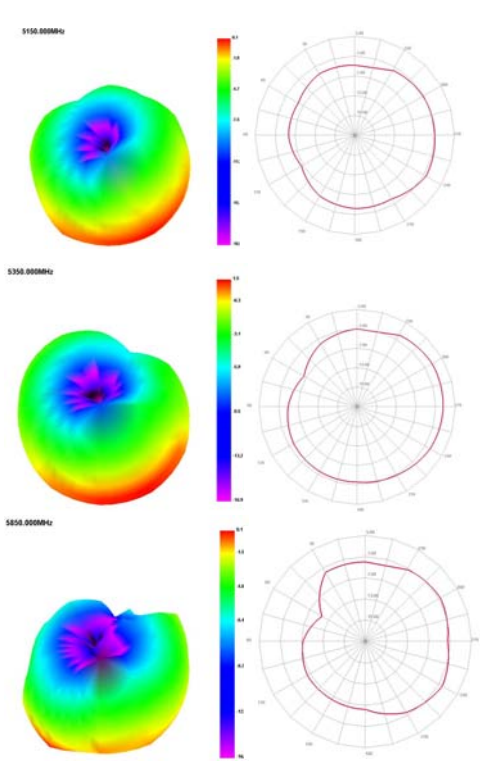


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WIFI 1-5G

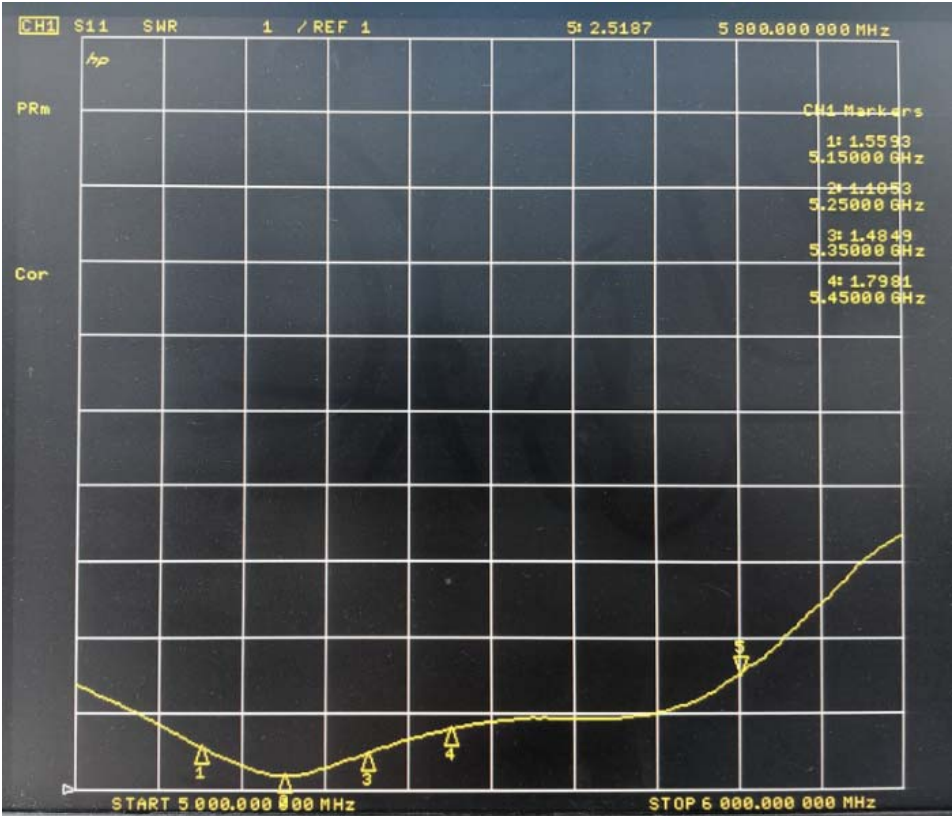


Channel	Gain(dBi)	Efficiency (%)
5150	1.22	44.2
5250	1.78	51.9
5350	1.88	54.9
5450	1.68	49.3
5550	1.55	47.5
5650	0.89	41.6
5750	0.45	39.3
5850	0.03	32.6

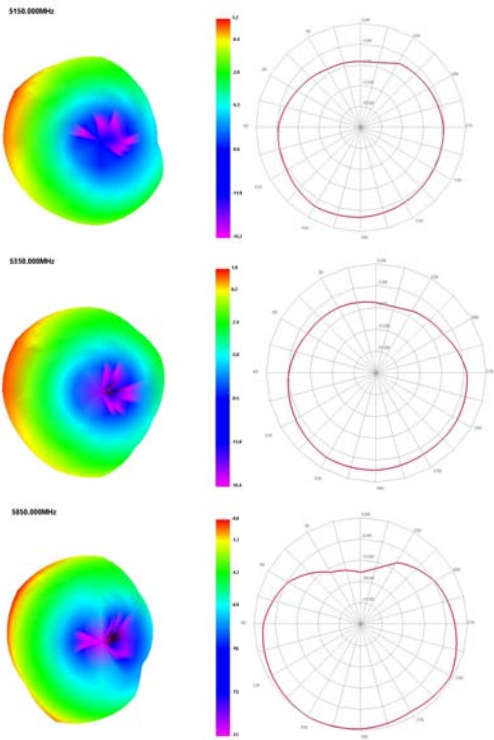


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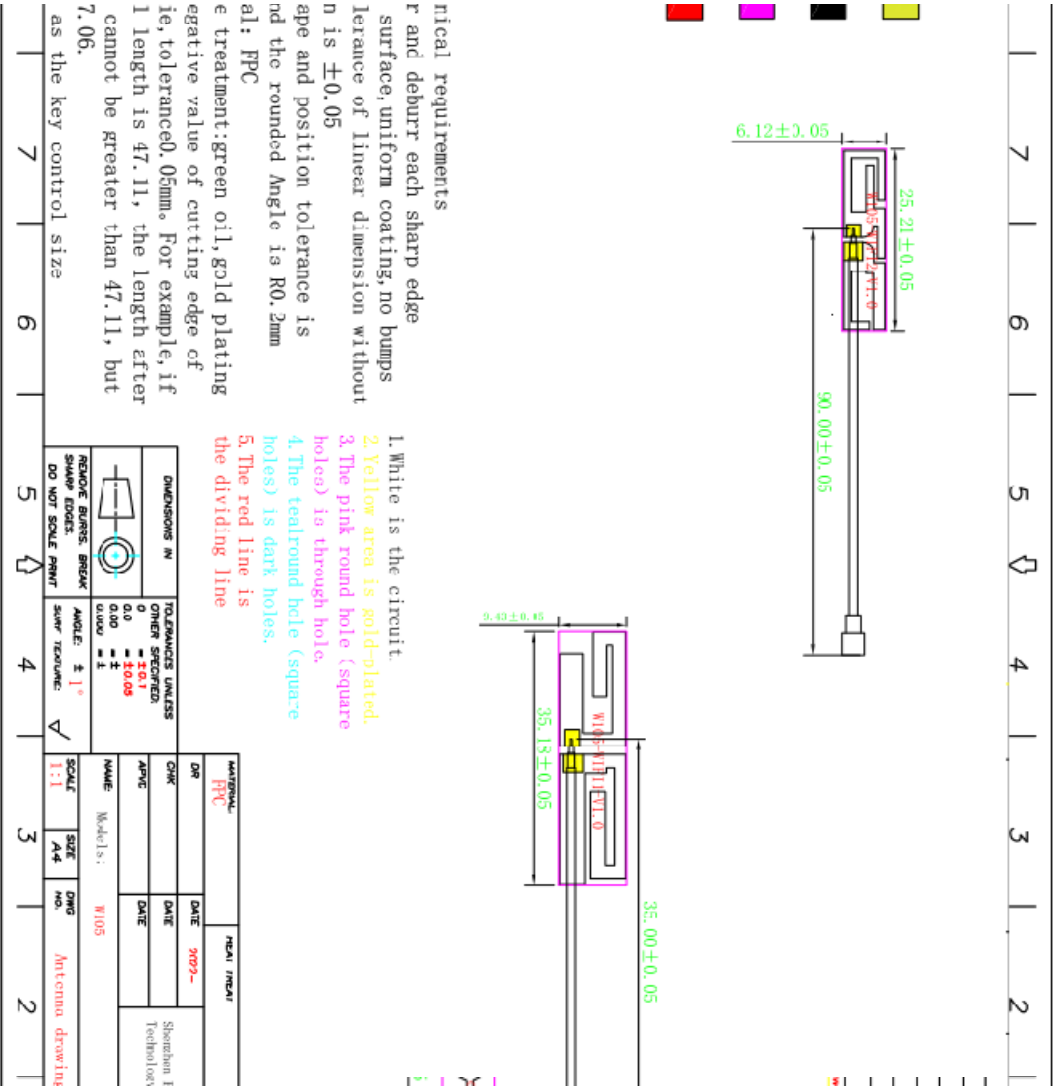
WIFI 2-5G



Channel	Gain(dBi)	Efficiency (%)
5150	0.08	35.4
5250	1.18	40.3
5350	1.49	43.5
5450	1.66	45.6
5550	0.72	38.7
5650	0.56	38.2
5750	0.45	37.6
5850	0.18	36.2



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