

Sample Recognition Letter

PROJECT NAME : L8

BAISHUI LAI	ME	RF	QC
Signature	CHENLONG YANG	WANGPING	LIUJIAD
date	20241018	20241018	20241018
CUSTOMER	ME	MD	QC
Signature			
date			

1summary1-2

Project GB10		write: Wang ping	Name : GB10 Sample Recognition Letter
Date:2024/10/18			
Edition		Examine and rify: Qinbilin	
A			
Manufacturer :ShenzhenBaiShuiLai 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

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1Summary

This report is mainly used to describe the 《BaishuilaiElectronics》 L8 Sample antenna recognition

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letter.

2 Name and type of antenna

MATERIALS	NAME	TYPE
TDDLTE+FDDLTE ANTENNA	4G	PIFA
WIFI/BT ANTENNA	WIFI	PIFA

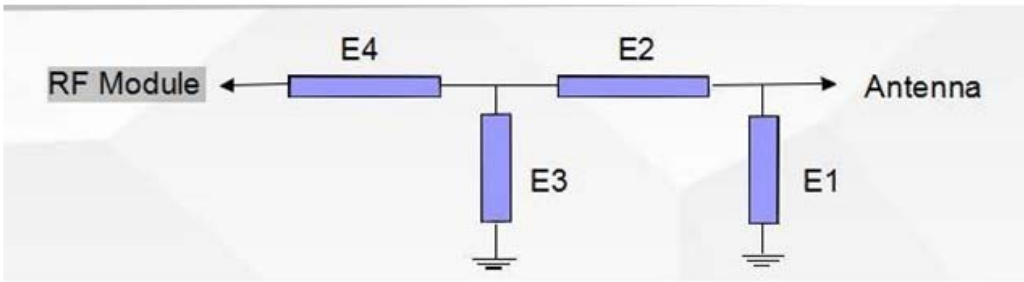
3Debug settings

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) 。

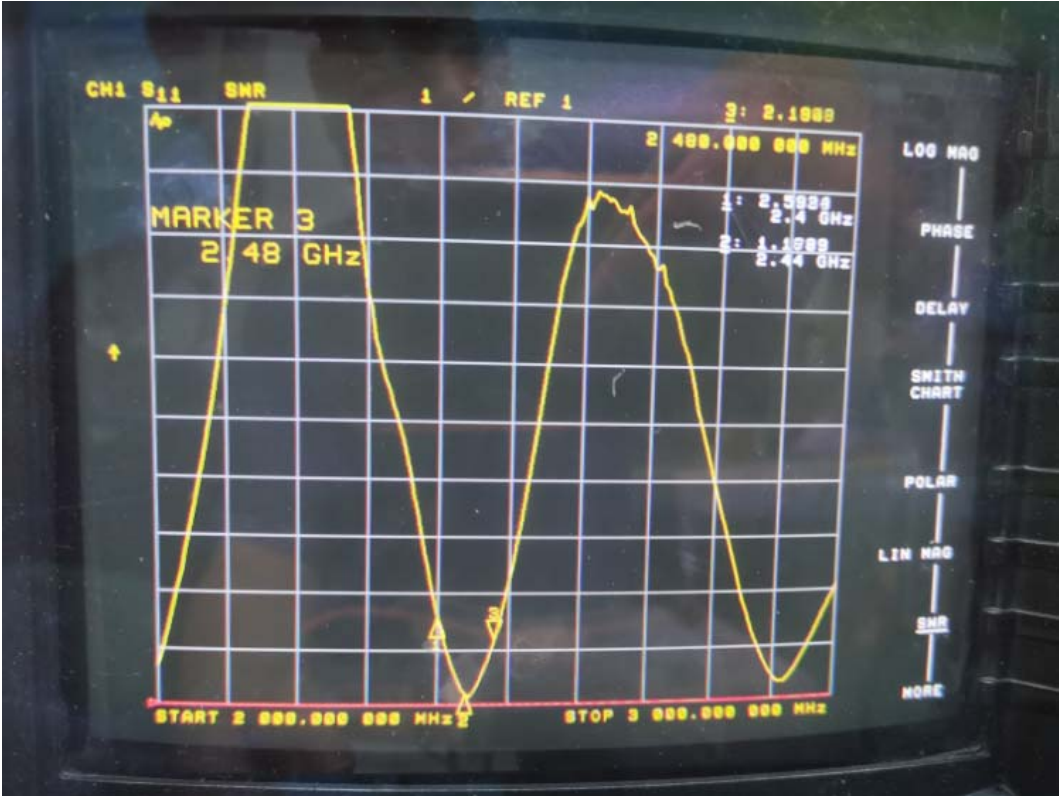
3.3Matching Circuit Description Match haveno change



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)		

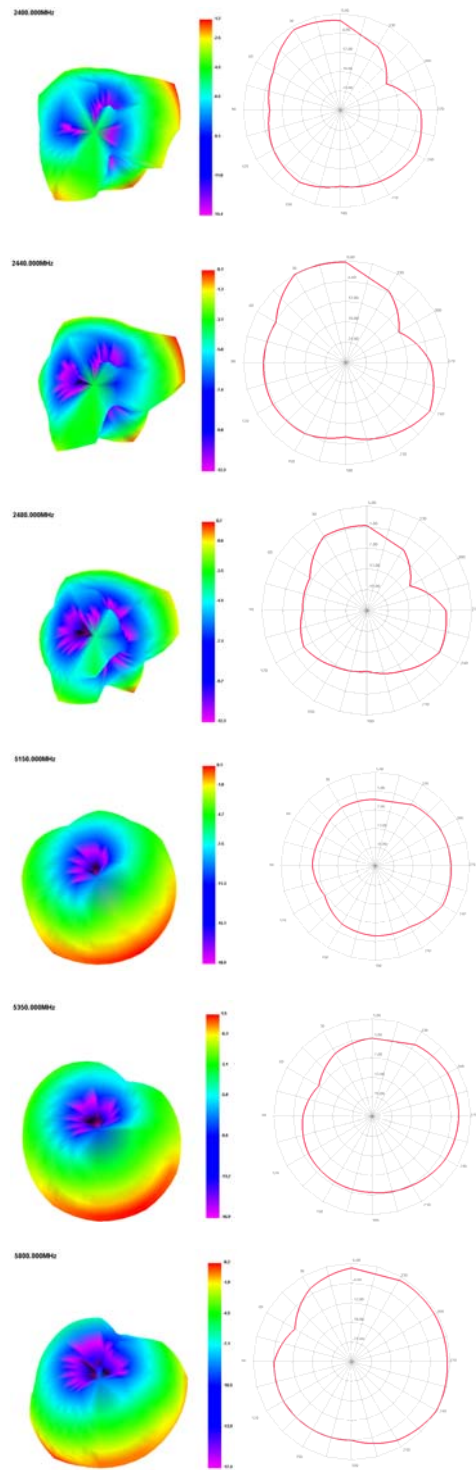
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4 Effective Radiated Power And Isotopic Sensitivity Summation



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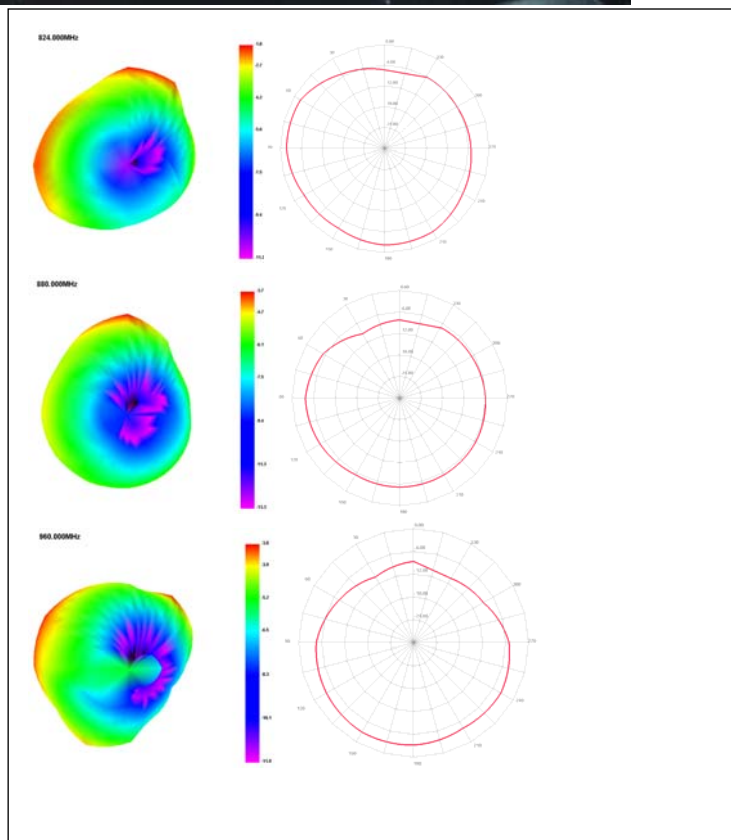
Channel	Gain(dBi)	Efficiency (%)
2400	-1.21	36.01
2410	-1.08	35.82
2420	-0.55	39.2
2430	-0.44	40.06
2440	-0.08	42.61
2450	-0.01	41.58
2460	0.23	42.12
2470	0.3	41.33
2480	0.74	44.74
5100	0.43	37.79
5150	0.08	35.53
5200	1.07	41.64
5250	1.18	44.22
5300	1.68	56
5350	1.49	52.18
5400	1.76	55.49
5450	1.66	53.98
5500	1.17	44.73
5550	0.72	41.42
5600	1.46	46.78
5650	0.16	34.42
5700	0.49	34.49
5750	-0.26	29.63
5800	-0.18	31.83
5850	0.11	32.87
5900	0.12	33.19



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Channel	Gain(dBi)	Efficiency (%)
824	-1.79	33.9
840	-2.14	26.82
860	-2.75	22.39
880	-3.7	20.44
900	-4.17	20.95
920	-3.89	20.81
940	-3.74	20.7
960	-2.98	23
1710	0.01	34.73
1750	0.15	35.36
1800	-0.39	32.59
1850	-0.16	35.39
1900	-1.64	28.19
1950	-1.71	28.93
2000	-1.71	30.17
2050	-1.03	29.77
2100	-0.21	32.32



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Frequency band	Channel	TRP(dBm)	TIS(dBm)	Frequency band	Channel	TRP(dBm)	TIS(dBm)
GSM900	Low	26.4		DCS1800	Low	24.3	
	Mid	26.6			Mid	25.2	
	Hig	26.2	-101.8		Hig	25.5	-103.4
GSM850	Low	25.3		PCS1900	Low	25.1	
	Mid	25.8			Mid	25.6	
	Hig	26.4	-102.2		Hig	24.8	-102.3
LTE B1 10M	Low	18.1		LTE B3 10M	Low	18.4	
	Mid	18.2			Mid	18.9	
	Hig	18.2	-92.7		Hig	19.3	-92.2
LTE B5 10M	Low	16.8		LTE B7 10M	Low	18.6	
	Mid	17.6			Mid	19.4	
	Hig	18.1	-90.7		Hig	19.8	-91.5
LTE B8 10M	Low	18.2		LTE B20 10M	Low	16.3	
	Mid	17.6			Mid	17.2	
	Hig	16.8	-89.7		Hig	17.9	-90.5
LTE B38 20M	Low	18.8		LTE B39 20M	Low	18.6	
	Mid	19.8			Mid	18.1	
	Hig	19.5	-90.4		Hig	18.4	-91.6
LTE B40 20M	Low	17.6		LTE B41 20M	Low	17.7	
	Mid	17.2			Mid	18.3	
	Hig	17.3	-90.2		Hig	17.3	-90.6

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Technical requirements:

- and deburr each sharp edge
- surface, uniform coating, no bumps
- tolerance of linear dimension without is ± 0.05
- type and position tolerance is
- of the rounded Angle is $R0.2mm$
- 1: FPC

treatment: green oil, gold plating

negative value of cutting edge of

length is 47.11 , the length after

cannot be greater than 47.11 , but

as the key control size

1. White is the circuit.

2. Yellow area is gold-plated.

3. The pink round hole (square holes) is through hole.

4. The teal round hole (square holes) is dark holes.

5. The red line is the dividing line

MATERIAL: FPC		HEAT TREAT	
DR	CHK	DATE	2022-
APRO	DATE	Shenzhen Technology	
NAME: Models:		1.8	
SCALE	SIZE	DWG	NO.
1:1	A4		

Antenna drawing

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