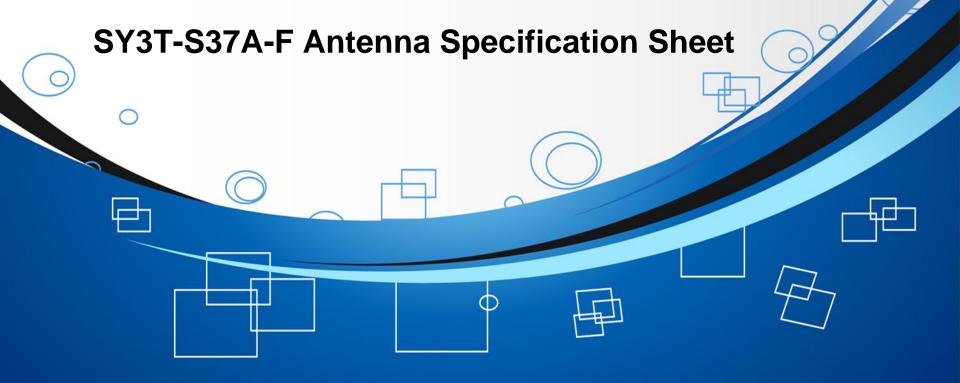


Shenzhen Saiwei Communication Technology Co., Ltd



Customer Name: Tai Lefeng

Project name: S37

Reporting time: 20241225



Catalogue

- △ Introduction to project debugging
- △ Report version feed
- △ Test environment
- △ Main antenna matching circuit
- △ Main antenna dark room data
- △ Additional instructions



Introduction to project debugging

Туре	Smart phone						
Plate type	Motherboard						
		Frequency band		Premature line status	Yao line form	Design area	Matching changes
Antenna Overview	Main antenna	2G	850/900/1800/ 1900	FPC	PIFA		
		3G	W4/2/5/8				
		4G					
	Other antennas	BT/WIFI	2. 4G		PIFA		
		GPS	1. 575G				
		Episodes			PIFA		
Prototype status			Environment al treatment				

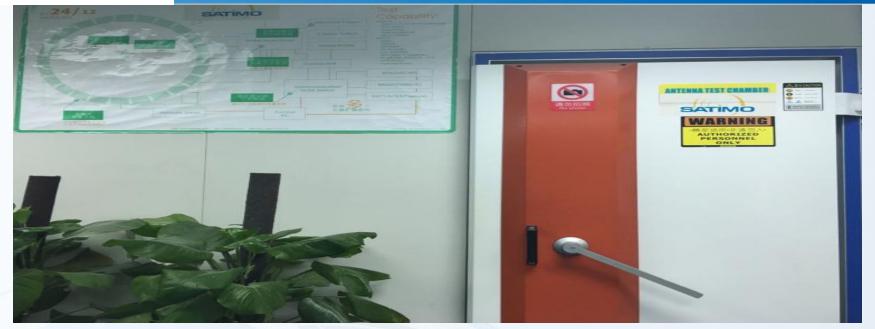


Report version feed

Edition	Date	Overview of meat
V1	20241225	Test data

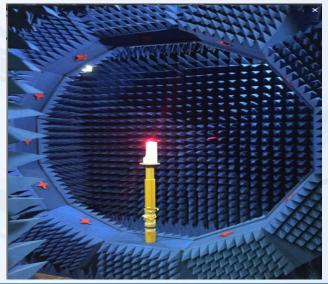


Test environment





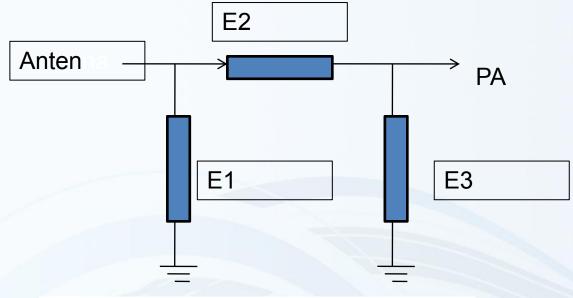




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Main antenna matching circuit



Element	Value
E1 (0402)	N/A
E2 (0402)	N/A
E3 (0402)	N/A



2G OTA

2G	Channe1	TRP (dBm)	TIS (dBm)
850	128	23.0	
	192	23.6	
	251	25.2	-102.3
900	1	26.2	
	62	25.5	
	124	24.5	-98.6
1800	512	22.4	
	698	22.2	
	885	22.4	-102.1
1900	512	23.1	
	661	24.0	
	810	23.4	-100.2



3G OTA

3G	Channe1	TRP (dBm)	TIS (dBm)
	L	17.6	
W4	M	16.5	
	Н	16.6	102.3
W2	L	16.7	
	M	15.5	
	Н	16.1	-103.8
W 5	L	14.2	
	M	14.1	
	Н	15.4	-104.8
W8	L	16.3	
	M	15.6	
	Н	15.4	-100.9

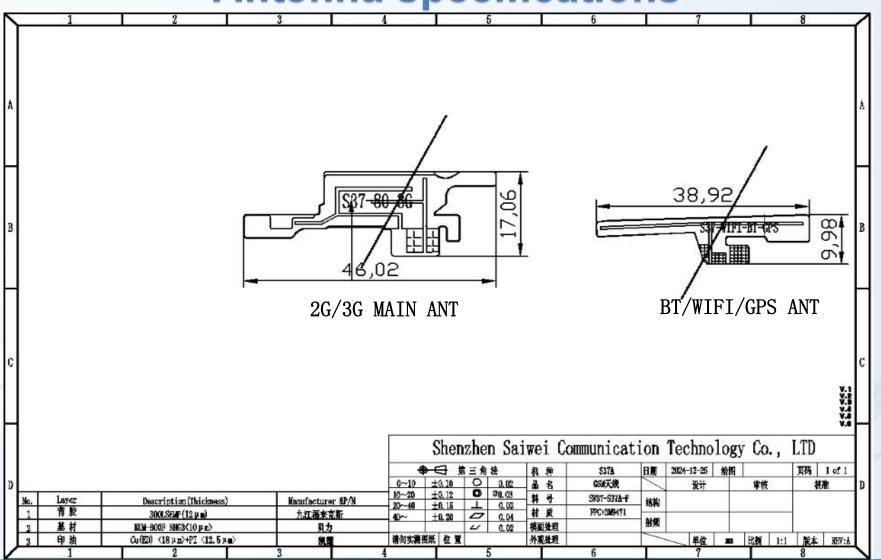


Antenna gain

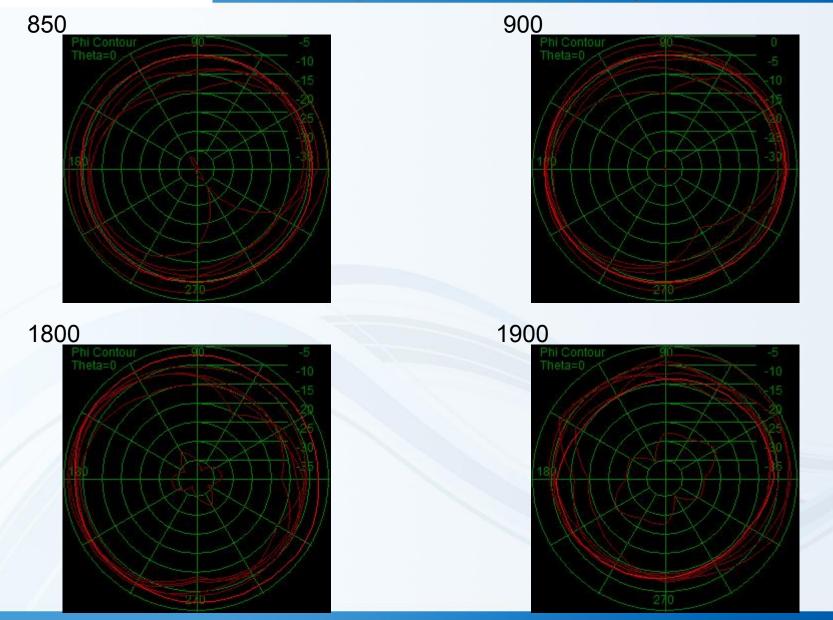
Standard	Band	Gain(dbi)	
GSM	850	-1.58	
GSM	900	-1.36	
GSM	1800	-0.72	
GSM	1900	-0.13	
WCDMA	W4	0.51	
WCDMA	W2	-0.13	
WCDMA	W5	-1.58	
WCDMA	W8	-1.36	
WIFI	2.4G	0.56	
ВТ	2.4G	0.56	
GPS	1.575G	-1.75	



Antenna specifications

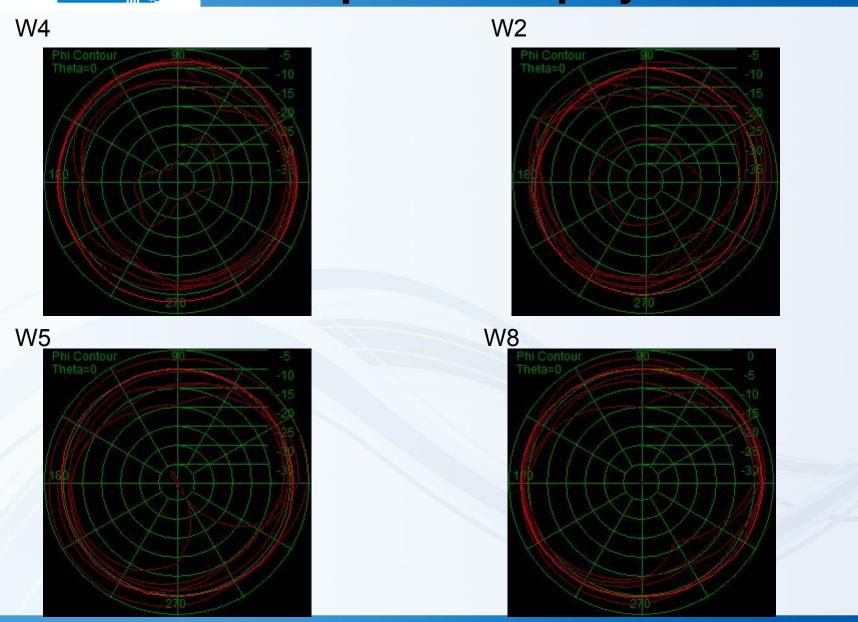






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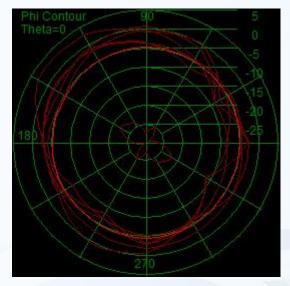




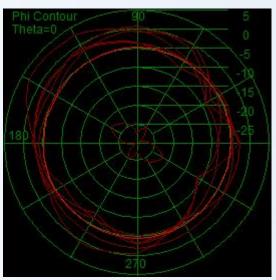
Saiwei - Sai is far away, and Wei is eternal!



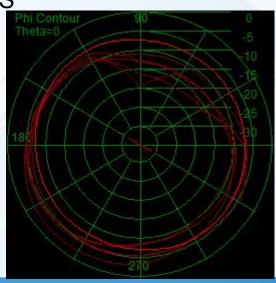




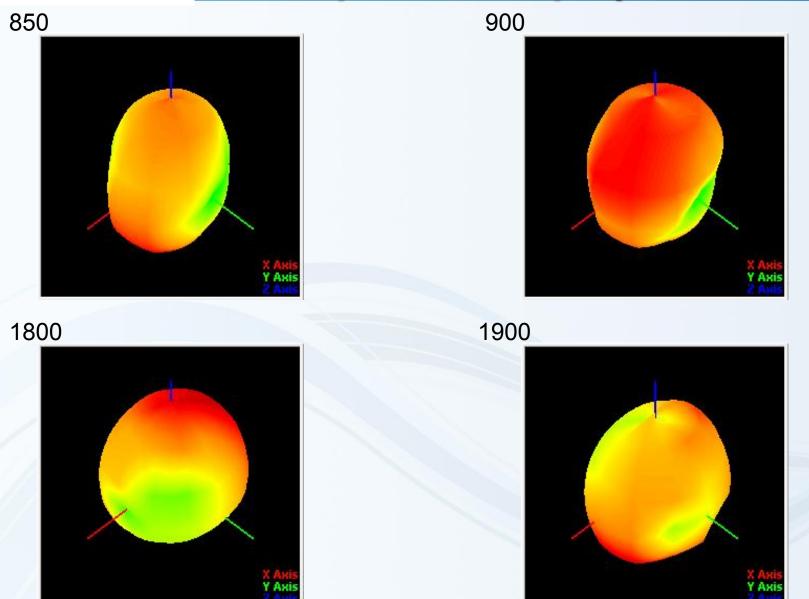
BT



GPS

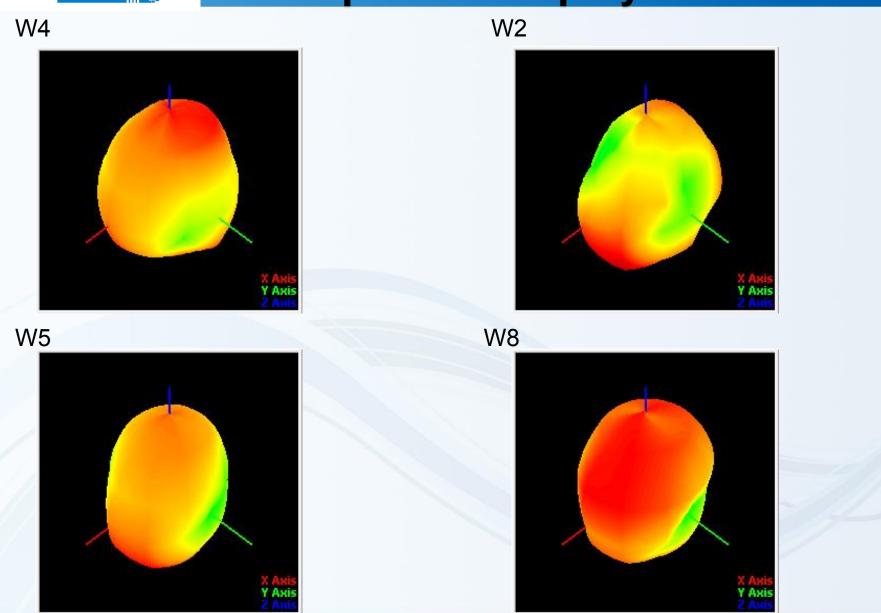






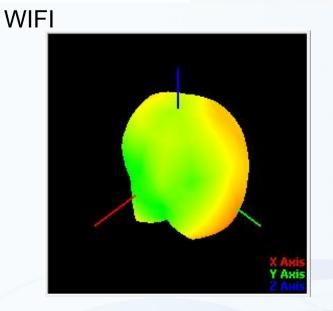
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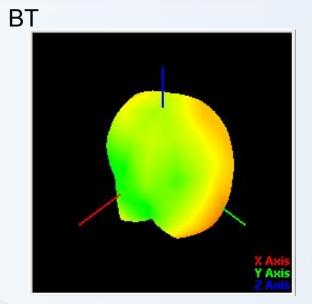


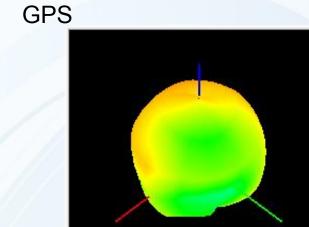


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Additional instructions

- △ Please carefully confirm whether the matching circuit mentioned in the report is modified and whether the environmental processing is conductive, which will directly affect the antenna performance.
- △ The parameters provided in this report are only for the reference given by customers to our demo.
- ☐ If your company has a prototype with the latest trial production or update status (replacement of materials, update software, replacement of environment processing, etc.), please submit it to our company for verification as soon as possible to confirm whether the antenna performance has been affected. ⋄
- △ If you need to send it to a third party for retest or send it to the customer for testing, please be sure to hand over the machine that needs to be tested by our company for testing and confirmation, because of the consistency of the motherboard, the consistency of assembly, and the difference in antenna assembly, etc.All factors may lead to the deviation of antenna parameters.



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