



shenzhen saiweicommunication Technology co., LTD

Antenna test report

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report time: 20250307

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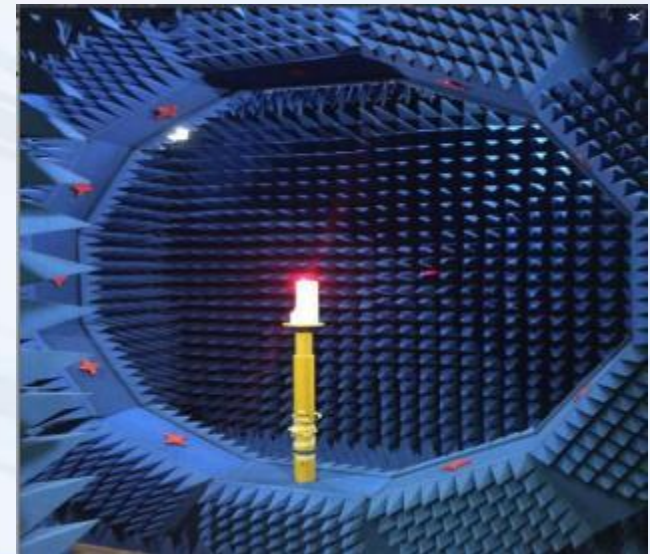
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Project Debugging Introduction

Model type	X27 Flip Phone							
Plate type	Motherboard							
Antenna Overview	主天线	Bandwidth		Bandwidth	Antenna form	Regional planning	Match changes	
		2G	850/900/1800/1900		FPC	PIFA		
		3G						
	4G							
	其它天线	BT/WIFI			FPC	PIFA		
		GPS						
		Sub-series					PIFA	
Prototype status	Test prototype			Environmental processing				

Version	Date	Content overview
V1	20250307	Data Report

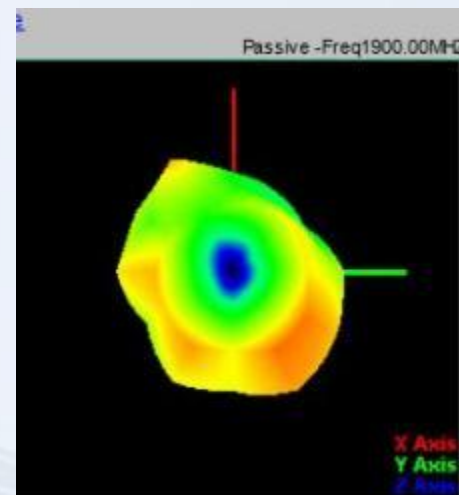
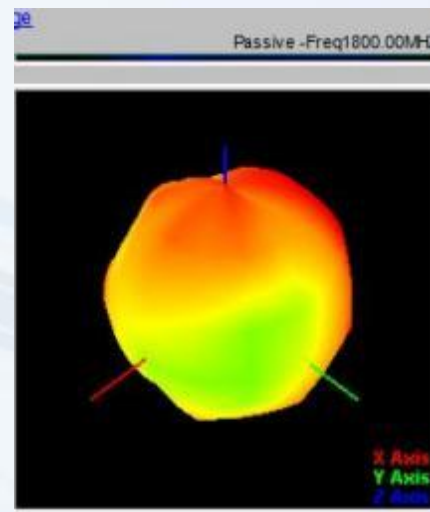
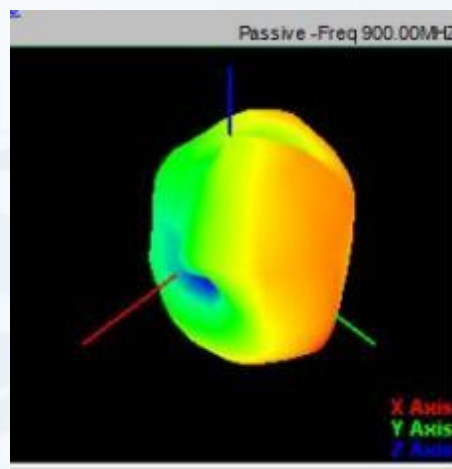
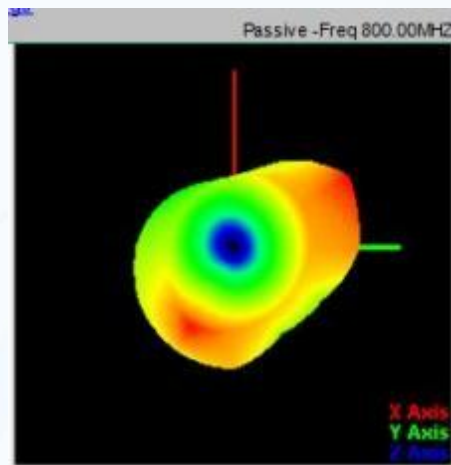


Sevvy! – Sevvy is far away and eternal!

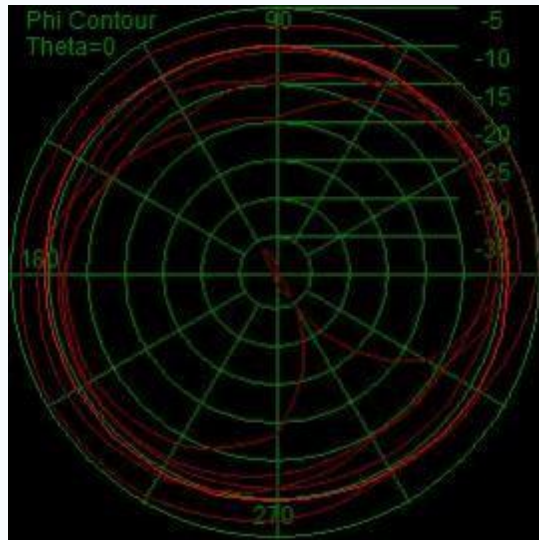
2GDarkroom data

2G	Channel	MAX (dBm)	MAX (dBm)	GAIN (dbi)
850	128	25. 2		0. 5
	192	25. 6		
	251	26. 7	-104. 3	
900	1	28. 8		0. 8
	62	28. 8		
	124	27. 6	-102. 4	
1800	512	27. 9		1. 1
	698	28. 8		
	885	29. 5	-106. 8	
1900	512	28. 7		1. 2
	661	28. 3		
	810	27. 6	-105. 2	

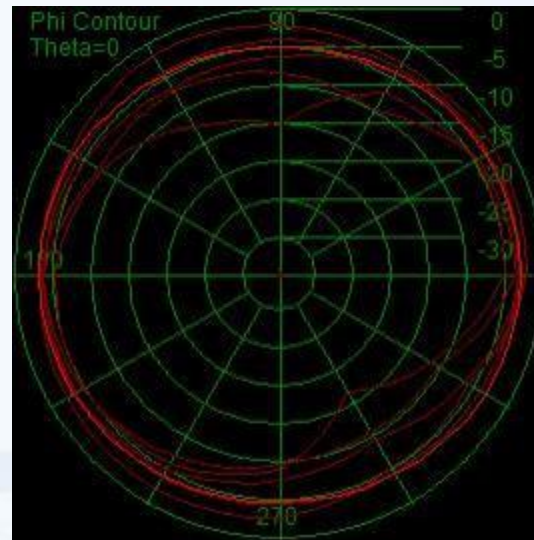
Main antenna apple diagramApple chart



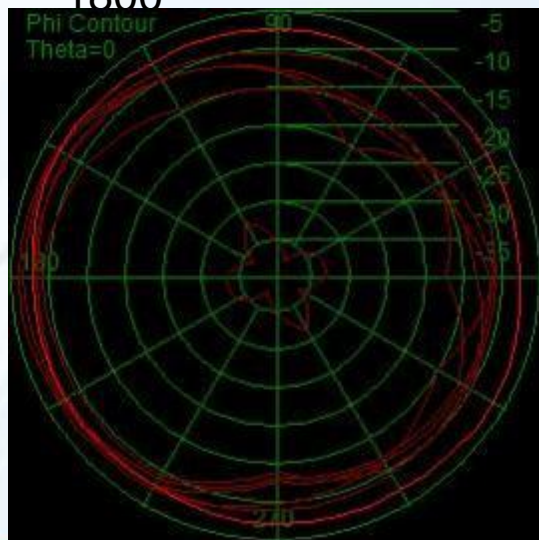
850



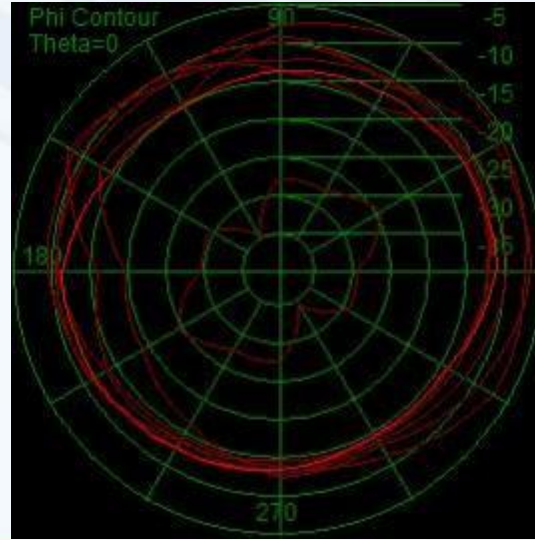
900



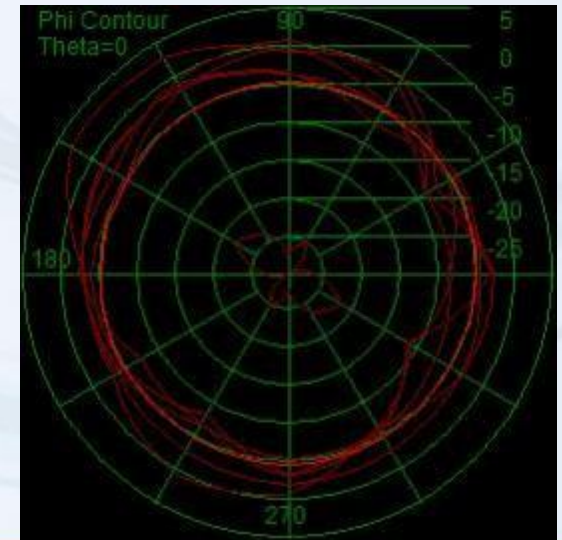
1800



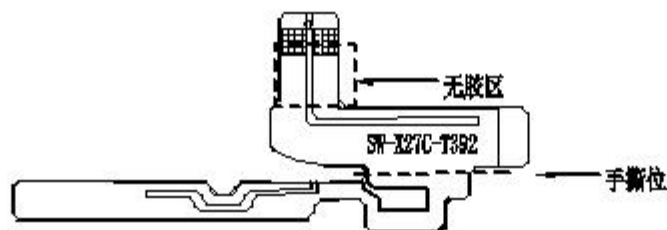
1900



BT



Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain	-2.75	-2.76	-2.70	-2.56	-2.46	-1.99	-1.80	-1.90	-1.92	-2.00	-1.93
Effi (%)	14.7	14.7	14.8	14.5	14.8	15.7	15.2	15.9	15.2	15.8	16.8



注:

- 1、背胶采用3M 9471 30MLSE, 粘性在30NMP以上, 背胶外形与基材一致, 且在基材背面, 背胶量适中;
- 2、材料单面胶, 半透半密封, 密封性要好;
- 3、产品覆油后经180°折弯度面无剥落现象, 密封性要好;
- 4、全手撕表面镀层0.5μm, 不可有氧化现象, 以保障耐盐雾, 经180°折弯之后无现象、不导电现象;
- 5、壳内及引脚公差范围: ±0.05mm, 外形尺寸公差控制在0.1mm以内;
- 6、打*号为严格控制尺寸, 标有*为重点尺寸, 未标注尺寸按CAD电子档按1:1测量;
- 7、表面印字, 具体内容及位置见图;
- 8、所未标注, 需要标注好外形后, 在总样图我可。



背胶区

V.1



均场区

V.2

V.3

V.4

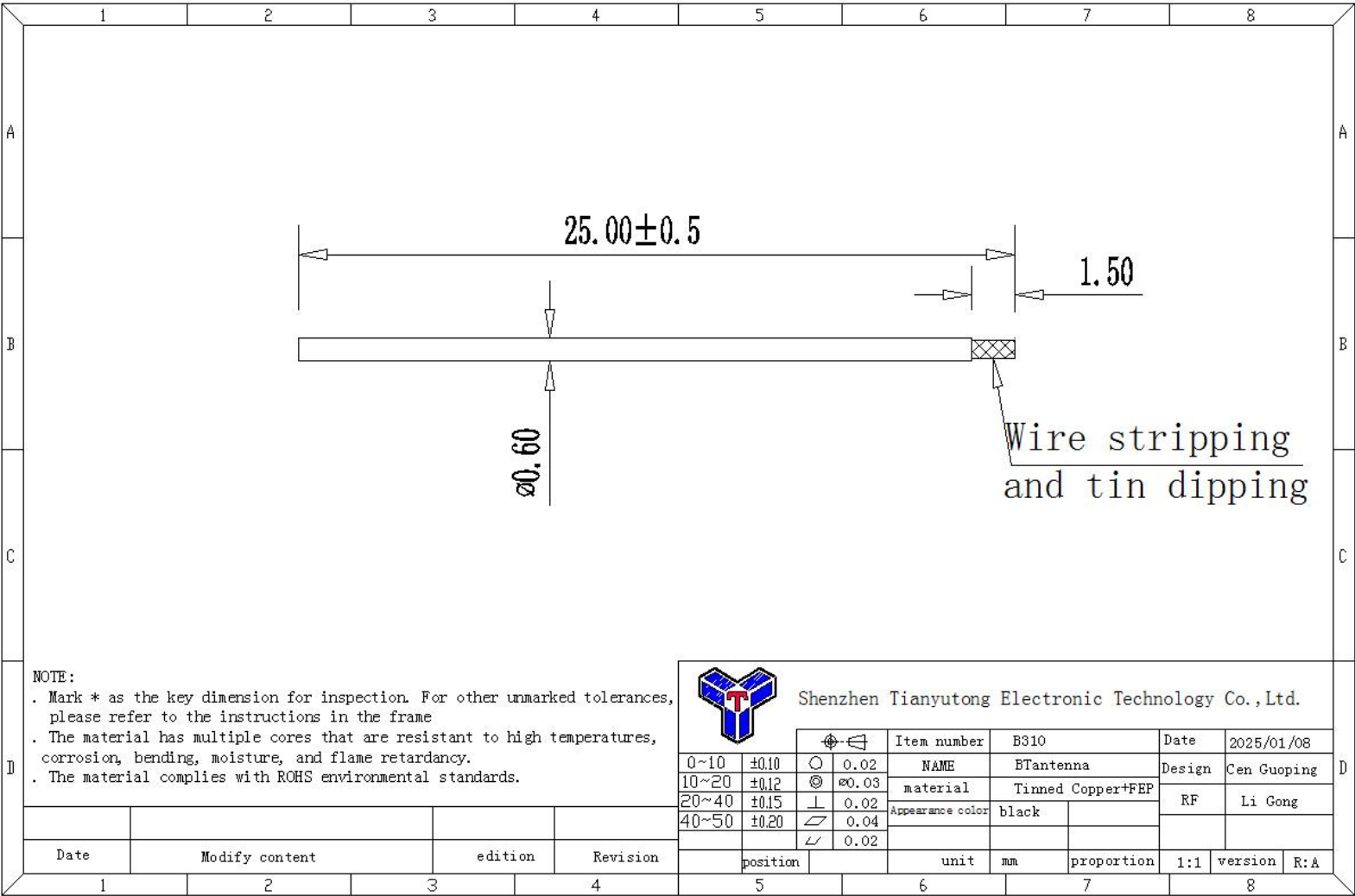
V.5

高型胶手撕位

深圳市赛维通讯科技有限公司

中	第三角法	图种	X27-T392	日期	2024-07-25	制图	审核	图号	1 of 2
0~10	±0.10	○	0.02	品名	GSM天线	设计	审核	批准	
10~20	±0.12	○	0.03	料号	SW10-X27-T392-F	结构			
20~30	±0.16	△	0.02	材料	PPC/SM9471	封样			
30~40	±0.20	△	0.04	表面处理					
40~	±0.20	△	0.02	表面处理					
注: 勿失测量位置	位置	表面处理		单位	mm	比例	1:1	版本	002.0

No.	Layer	Description (Thickness)	Manufacturer MP/N
1	背胶	30MLSEMP (12 μm)	九江福来克斯
2	基材	XIM-800P MHC3 (10 μm)	良力
3	焊油	Cu (20) 128 μm+PI (12.6 μm)	海瑞



△ Please carefully confirm whether the matching circuit mentioned in the report has been modified and whether the environmental processing has been imported, as this will directly affect the antenna performance.

△ The parameters provided in this report are only those given by the client for the debugging of our prototype machine and do not represent the final mass production status of your project.

△ Should your company have the latest prototype or updated status (material change, software update, environmental processing change, etc.), please deliver it to our company for verification as soon as possible to confirm whether the antenna performance is affected.

△ Should your company need to send equipment for retesting to a third party or for testing by a client, please **务必** entrust the testing confirmation to our company. This is because factors such as the consistency of the motherboard, the uniformity of assembly, and differences in antenna assembly can all potentially lead to deviations in antenna parameters.

THANKS !



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