

# shenzhen saiwei communication Technology co., LTD

## Antenna test report

customer name: Jin Hongda  
project name: X27  
report time: 20250307

Add: Room 401, West Tower, Building No. 211, Tairan  
Industry & Trade Park, Chegongmiao, Futian District,  
Shenzhen City, Guangdong Province, P.R. China  
Tel: 0755-66630456  
Email: sunwin\_vip@163. com  
Fax: 0755-66630458

# Table of Contents

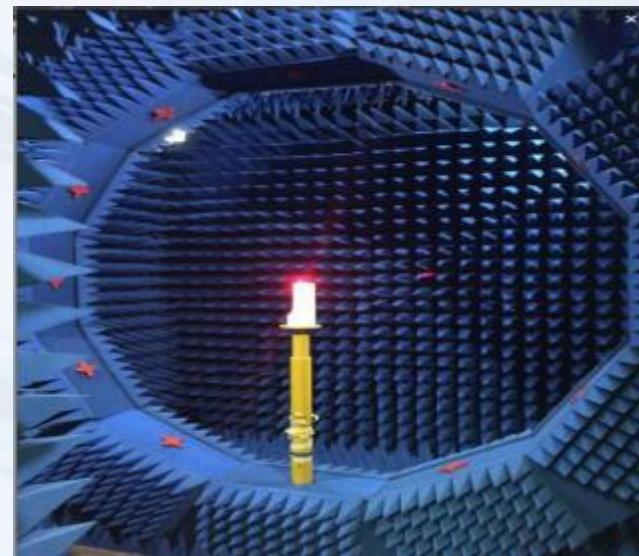
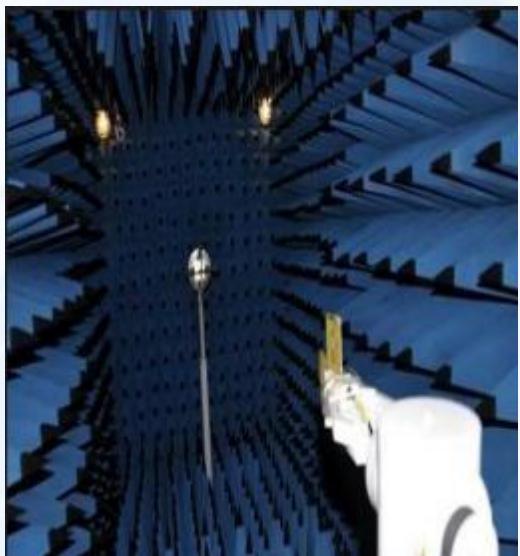
- ▷ project Debugging Introduction
- ▷ Report version summary
- ▷ Test environment
- ▷ Main antenna anechoic chamber data
- ▷ Additional explanation

# 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				
		3G					
		4G					
	其它天线	BT/WIFI		FPC	PIFA		
		GPS					
		Sub-series			PIFA		
Prototype status	Test prototype		Environmental processing				

 Report version summary

Version	Date	Content overview
V1	20250307	Data Report

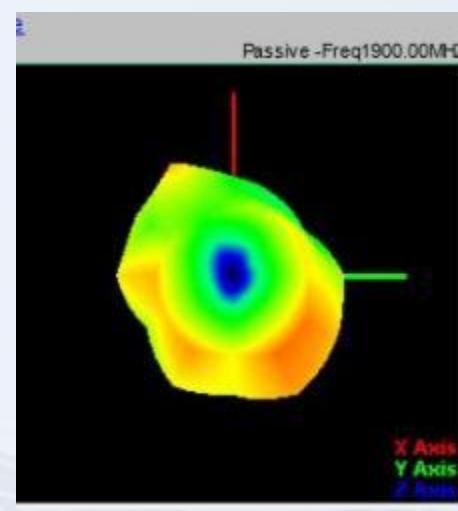
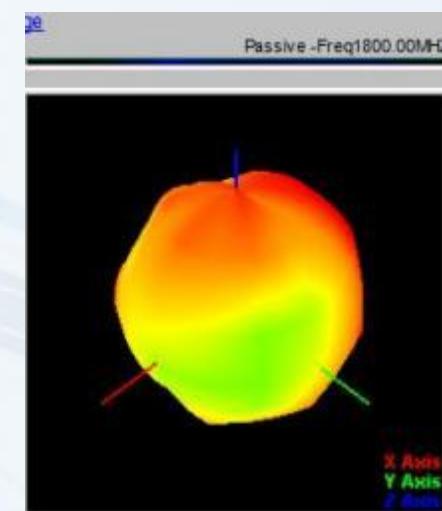
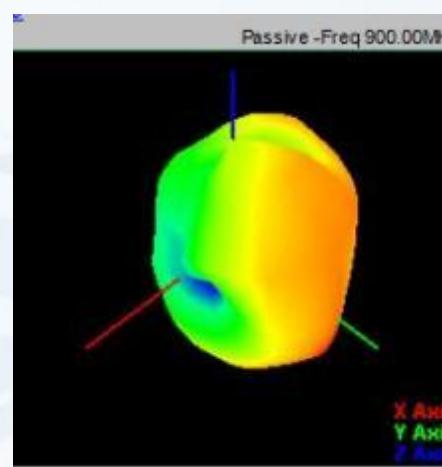
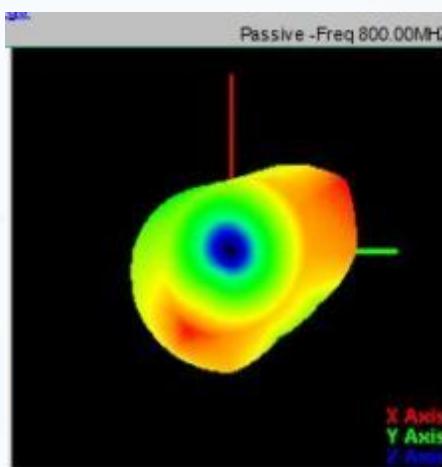


Sevvy! – Sevvy is far away and eternal!

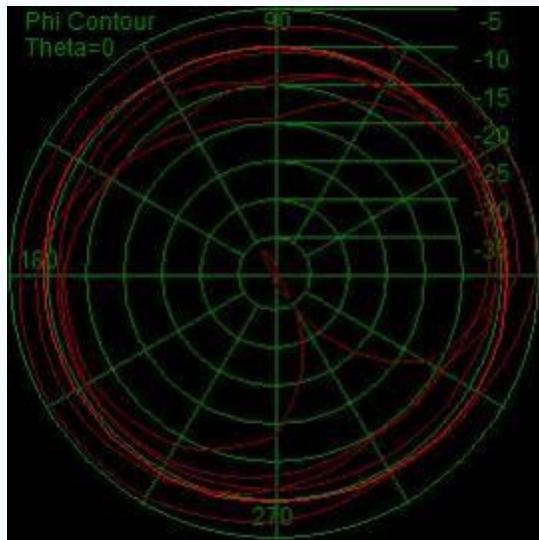
# 2G Darkroom data

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	

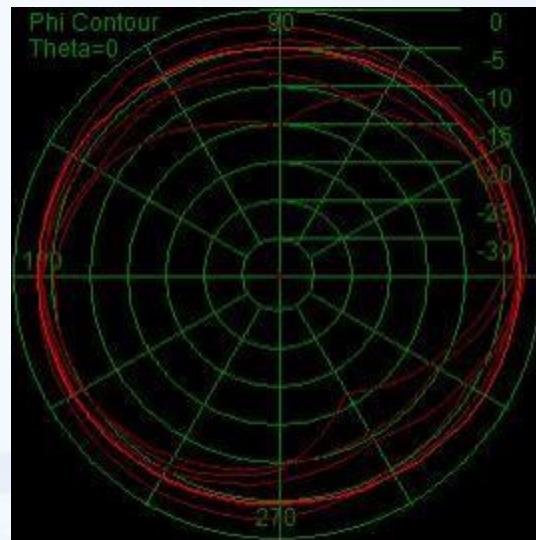
# Main antenna apple diagram



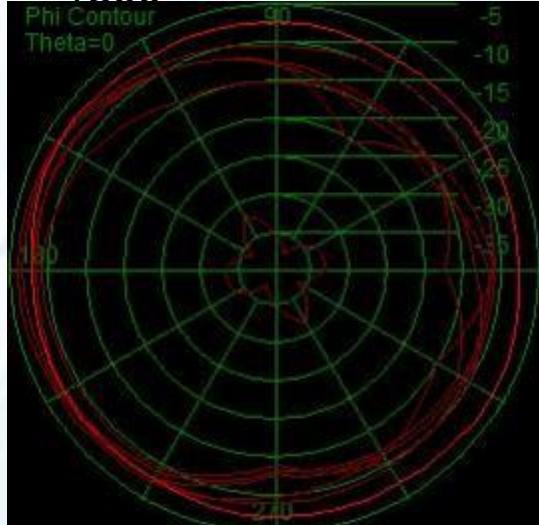
850



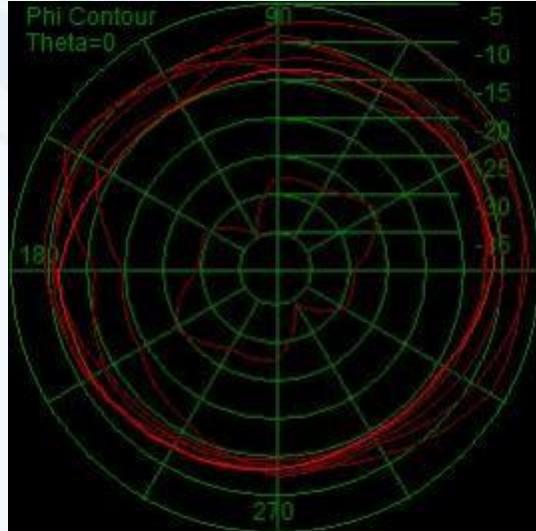
900



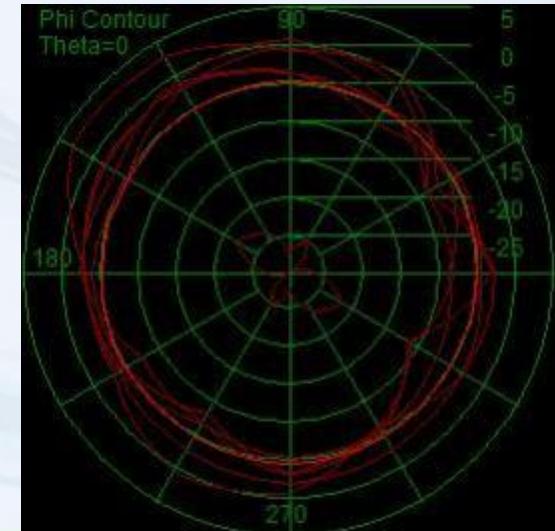
1800



1900

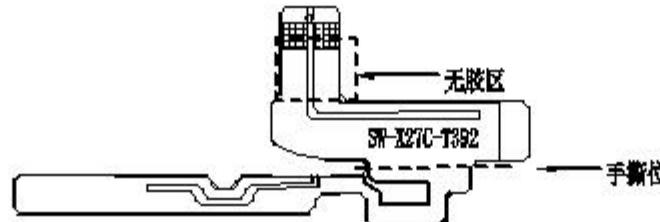


BT



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

1 2 3 4 5 6 7 8



A A  
B B  
C C  
D D  
E E  
F F  
G G

注：

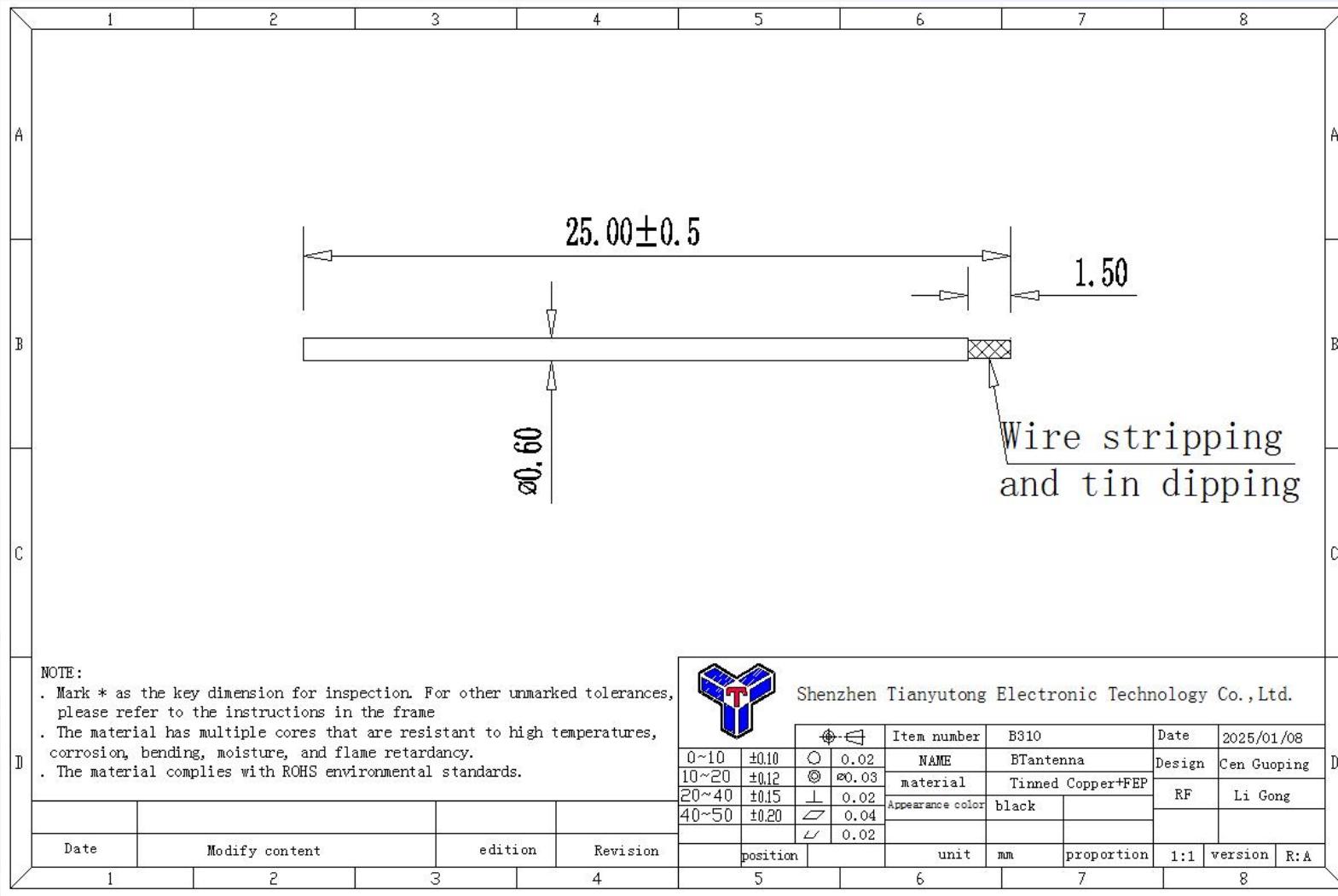
1. 胶带采用3M 9471 30VSE, 厚度在300μm以上, 胶带外缘与基材一致, 留在基材背面, 胶带最中间;
2. 材料单面胶, 半对半基材, 粘切性要好;
3. 产品灌油后总180°折弯表面无裂痕现象, 硬韧性要好;
4. 金属折弯面被塑L形后, 不可有氧化现象, 以保持柔软性, 且180°折弯之后无翘边、不导通现象;
5. 允许基材单面公差范围: ±0.05mm, 外形尺寸公差控制在0.1mm以内;
6. 打★号为严格控制尺寸, 标有\*为重点尺寸, 未标注尺寸按Q/M电子图纸1:1进单;
7. 表面印字, 具体内容及位置见图;
8. 断开手撕样, 需要断开外形之后, 在送样给我司。

■ 1.1  
■ 1.2  
■ 1.3  
■ 1.4  
■ 1.5  
■ 1.6  
— 2.1  
— 2.2  
— 2.3  
— 2.4  
— 2.5  
— 2.6

— 3.1  
— 3.2  
— 3.3  
— 3.4  
— 3.5  
— 3.6

No.	Layer	Description(Thickness)	Manufacturer & NO.
1	背胶	30VSE (12 μm)	九江源来克斯
2	基材	22M-200F 1003 (10 μm)	莫力
3	印刷	0.1 (0.01) 0.08 (0.01) (12.6 μm)	海通

中 —> 第三角度			規格	SH-127C	日期	2024-07-23	版面	附註	頁碼	1 of 2	
P-10 ±0.10			○ 0.05	基材			设计			标准	
10~20 ±0.12			○ 0.05	品名			审核				
20~40 ±0.16			± 0.05	料号			PCB				
40~			± 0.20	材料			PCB-2024071				
印刷			± 0.05	制程			制程				
1			0.05	制程			单位				
2			0.05	单位			单位				
3			0.05	单位			单位				
4			0.05	单位			单位				
5			0.05	单位			单位				
6			0.05	单位			单位				
7			0.05	单位			单位				
8			0.05	单位			单位				



- △ 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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