

SHENZHEN XIN LINGKE TECHNOLOGY CO.,LTD

SPECIFICATION FOR APPROVAL

Customer:XiaoMan

Description: S08

P/N:		SENDING DATE	2026.05.15
SUPPLIERS P/N	Xin Lingke	Antenna type	FPC
Customer hardware		Client project	S08
customer structure		Customer quality	
RF Engineer	Yang Hai	Structural engineer	Zhang Haidong

Address: 5th Floor, Office Building, 5th Industrial Zone,
North District of High-tech Park, Nanshan District,

SHENZHEN XIN LINGKE TECHNOLOGY CO.,LTD

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Date:: 2026.05.15			
Revision		Supervised by: LI peng	
Mould			
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1 Summary

This report describes the characteristics of antenna for the XiaoMan by Shenzhen xin lingke Technology Co., Ltd. The phablet model is iec156 RK3568and the range of frequency is frequency/GPS, BT, The Antenna gain:GPS:0.05dbi ,BT:1.28dbi.The antenna model is PIFA and located inside the handset.

1.1 Match circuit

No change.

2 Configuring settings

TX Power and RX Sensitivity The data of TX Power and Rx Sensitivity is 3D result measured in microwave eanechoic chamber by the Agilent8960.

3.1 TRP、TIS

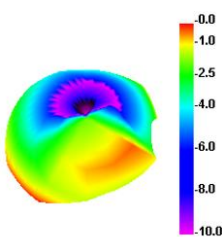
04.GPS antenna related test data

GPS signal acquisition status at our company's window. Bluetooth call is smooth at 30 meters with no obstructions.

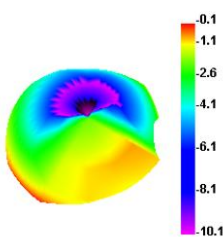


Passive Test For GPS1		
Freq (MHz)	Effi (%)	Gain (dBi)
1562	37.6	-0.01
1564	37.06	-0.07
1566	36.62	-0.11
1568	36.21	-0.16
1570	35.69	-0.2
1572	36.28	-0.14
1574	36.85	-0.06
1576	37.66	0.05
1578	38.66	0.16
1580	39.55	0.26
1582	39.42	0.27
1584	39.05	0.22
1586	38.26	0.12
1588	37.34	0
1590	36.65	-0.11

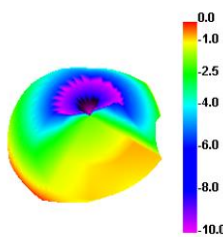
1562.000MHz



1574.000MHz



1576.000MHz

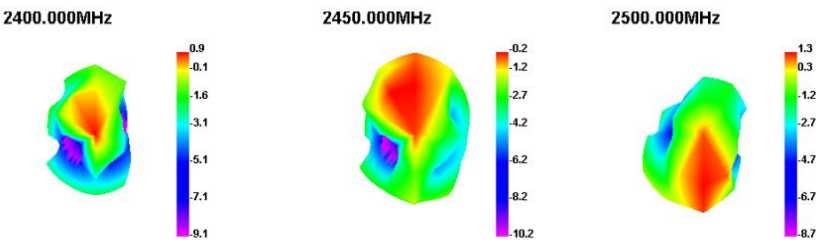


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5.BT Antenna Passive Data



BT antenna efficiency		
Passive Test For BT2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	40.97	0.86
2410	40.46	1.07
2420	40.31	0.74
2430	37.39	0.11
2440	37.07	0.46
2450	35.26	-0.24
2460	35.36	-0.81
2470	34.41	-1.1
2480	36.19	-0.69
2490	35.91	-0.36
2500	41.93	1.28



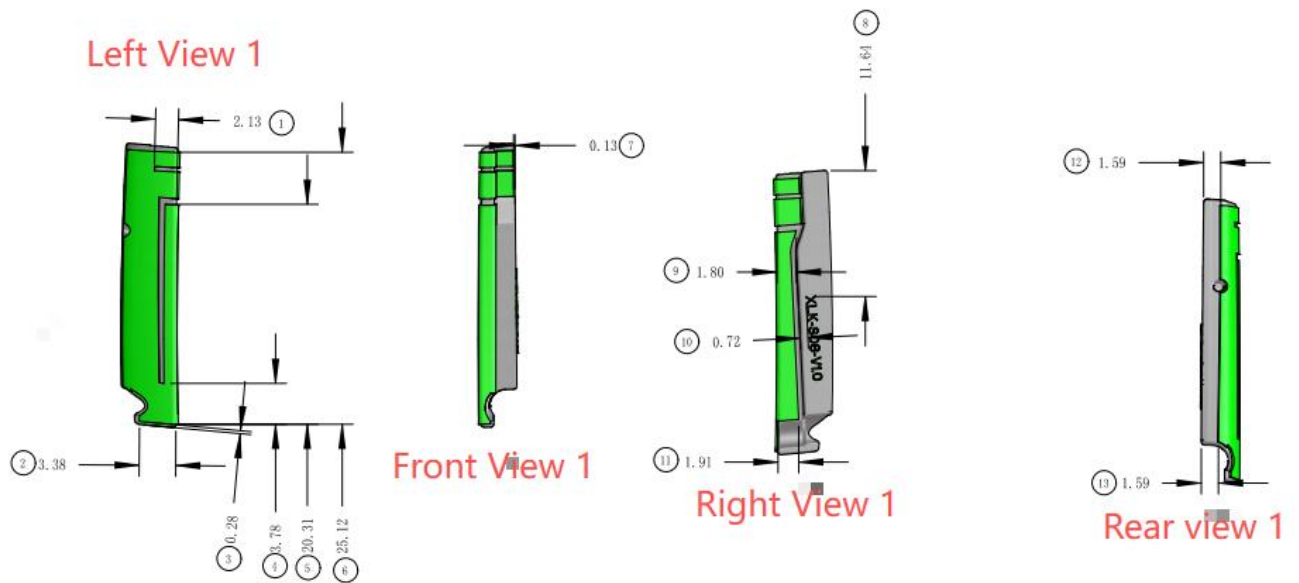
6. Antenna tested Report with all dimension

technical requirements:

- 1.The material is electrolytic copper with a thickness of 0.05mm;
- 2.Back glue : 3M9471;
- 3.Anti oxidation treatment for gold finger surface;
- 4.Protective film forBlack oil;
- 5.Overall thickness should be less than or equal to0.15mm;
- 6.Accurate tolerance range:0.1mm;
- 7.Only the product diagram is allowed to conduct electricity;
- 8.Where A stands for adhesive and B is FPC;
- 9.Please refer to the drawing for dimensions not specified.

Shenzhen NEW LINKE Technology Co., Ltd			
	entry name:	S08	
	Product name:	BT	
	Material code:		
	Material Science:	FPC+IPEX 1 Coaxial line	
	unit:mm	ratio:FIT	
	Date	2026-05-15	
	Design	Zsb	
	examine	MD	
		RF	
	approval		

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Salt Fog Test Report

Handset Model	S08			Tested Quantity	5PCS		
Standard	GB2423. 18			Product material	FPC		
Tested Items	Required Standard	Actual value	Result	Tested Items	Required Standard	Actual value	Result
Tester Model	KD-60	KD-60	OK	Tested Period	24H	24H	OK
Salt Fog Test Type	NSS Neutral NSS	NSS Neutral NSS	OK	Salt Fog Box Temperature	35° C	35°C	OK
Salt PH	6.5-7.2	6.8	OK	amount of precipitation of Salt fog (H. 80C)	1-2ml	1.8ml	OK
Fog spit type	Continued fog	Continued fog	OK	Material	FPC	FPC	OK

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Volume of salt	5%/NaCL	5%/NaCL	OK	Compressed air pressure	1±0.1KG/CM ₂	1	OK
saturated temperature	47° C	47℃	OK	Sample location angel	90°	90°	OK
Observed Period	Observed phenomenon						
4H	NA						
12H	NA						
24H	NA						
Judged Standard: Judged by the method of GB5944-86, over Level 9 is qualified.							
Final Tested Result	Qualified ✓			Unqualified			
Tested by	Benyuan He	Supervi sed by	Aibing Wang	Approved by			
Remark: normal salt fog tested methods is NSS,AASS and CASS.							

7. Shipment Mode

Material Type	Package Mode	
FPC	1、 full page package for shipment 2、 Release paper+ PET plastics bags packed 3、 100sheets/bag	

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