

SHENZHEN XIN LINGKE TECHNOLOGY CO.,LTD

SPECIFICATION FOR APPROVAL

Customer:zhongbai

Description: MBY116G-double

P/N:	WIFI main : 09-50189-01 WIFI div: 09-50190-01	SENDING DATE	2022.4.22
SUPPLIERS P/N		APPROVED NO.	
Customer hardware		Client project	MBY116G- double
customer structure		Customer quality	
RF Engineer		Structural engineer	

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Project: :MBY116G		Written by: Zhang_hai dong	MBY116G-antenna Specification for Approval
Date:: 2022.4.22			
Revision	V1.0	Supervised by: LI peng	
Mould			
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1 Summary

This report describes the characteristics of antenna for the geruiyate by Shenzhen xin lingke Technology Co., Ltd. The phablet model is MBY116G-double and the range of frequency is frequency/ WIFI/BT , The Antenna gain:2.4G:0.8dbi ,5G:1.1dbi.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 Anritsu8820c.

TRP、TIS

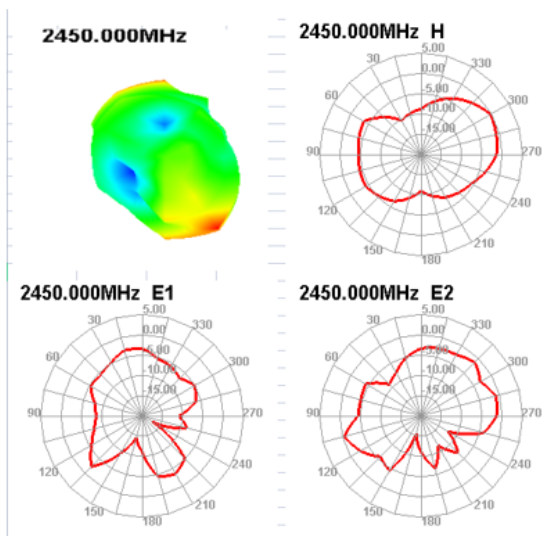
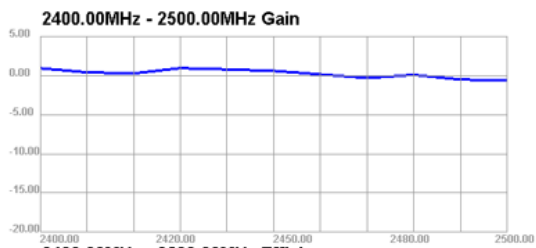
2.4GWIFI

WirelessMon信号 (dbm)	
1米 (dbm)	-32
5米 (dbm)	-41
10米隔墙 (dbm)	-54 (隔墙测试)

吞吐量测试	
1米(mb/s)	72.4 mb/s
5米(mb/s)	58.1 mb/s
10米隔墙(mb/s)	24.0 mb/s

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3. Gain(2. 4G 0. 8dbi)



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4.Environmental treatment

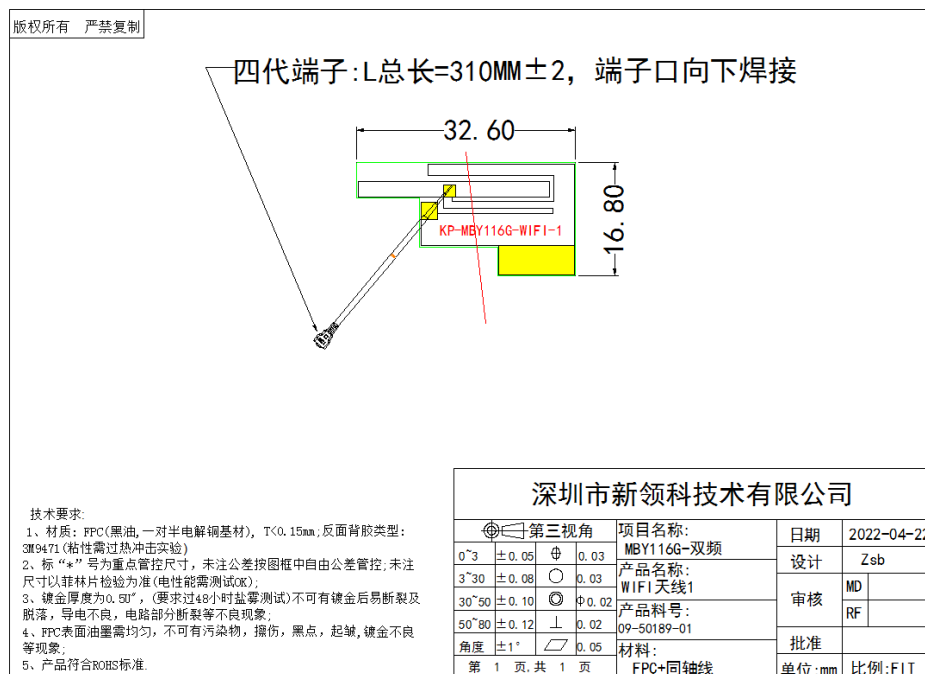


WiFi-2天线位置

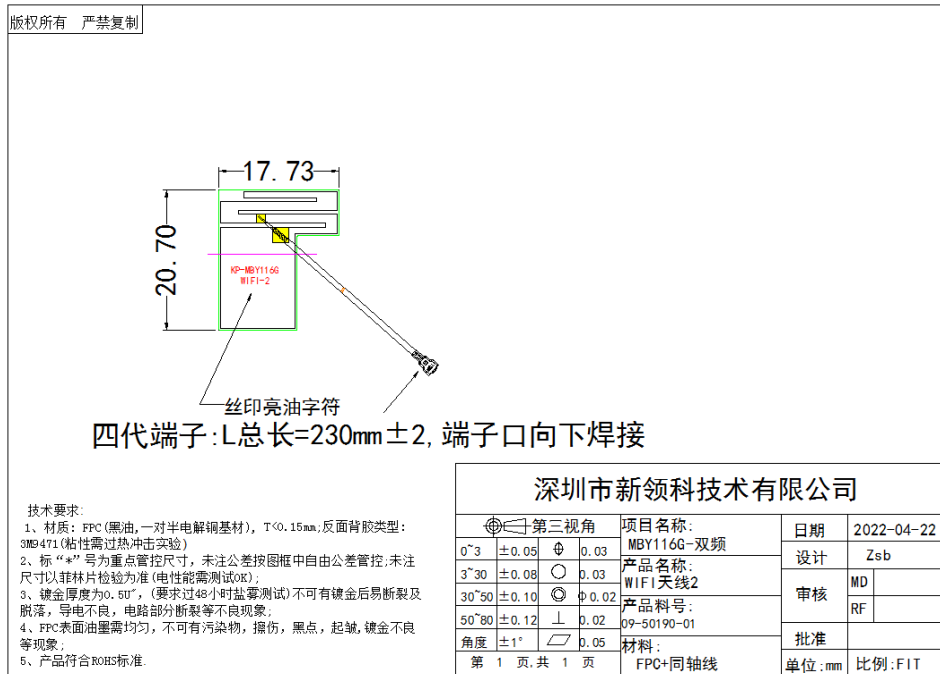
WiFi-1天线位置

5.Assembling picture

WIFI/BT antenna



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6. Antenna tested Report with all dimension

Salt Fog Test Report

Handset Model	MBY116G			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℃	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/CM2	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	Picture for example
FPC	1、 full page package for shipment 2、 Release paper+ PET plastics bags packed 3、 100sheets/bag	

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