

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	

SHENZHEN XIN LINGKE TECHNOLOGY CO.,LTD

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

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.

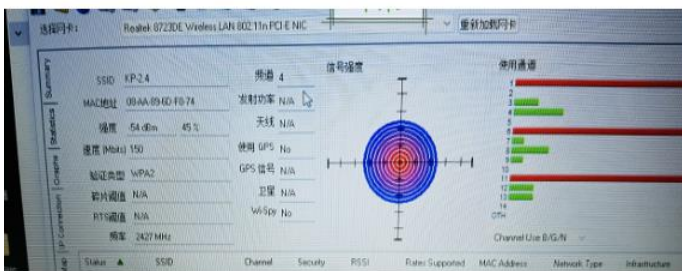
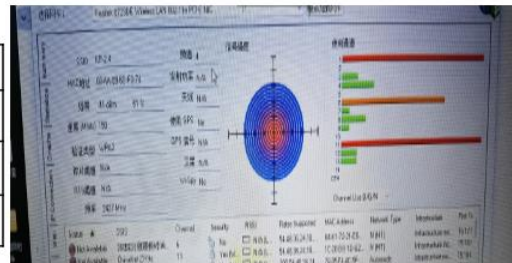
2 Configuring settings

TX Power and RX Sensitivity The data of TX Power and Rx Sensitivity is 3D result measured in microwave eanechoic chamber by the Anritsu8820c.

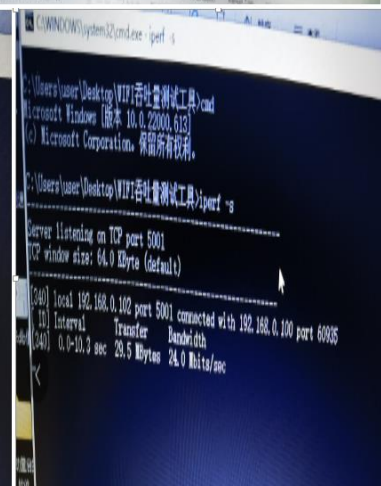
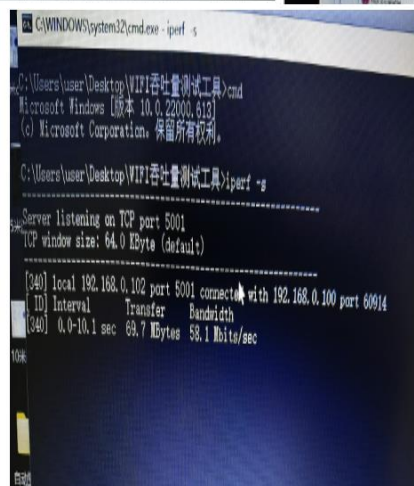
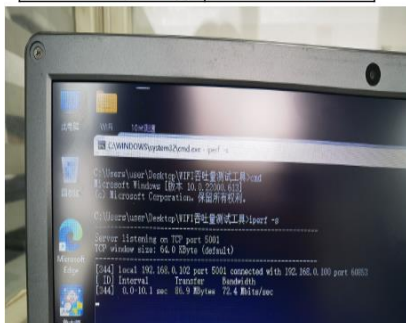
TRP、TIS

2.4GWIFI

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



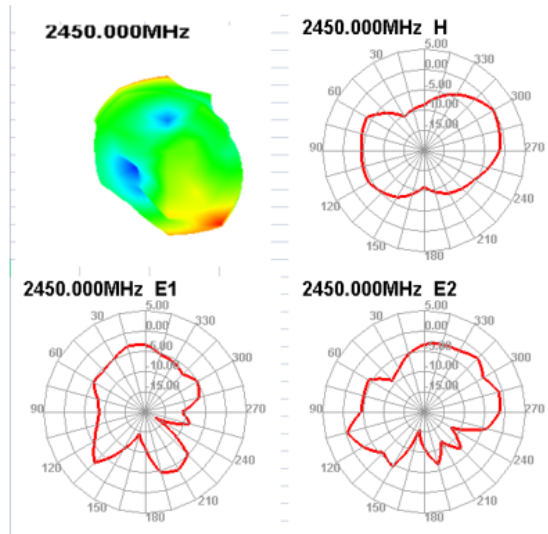
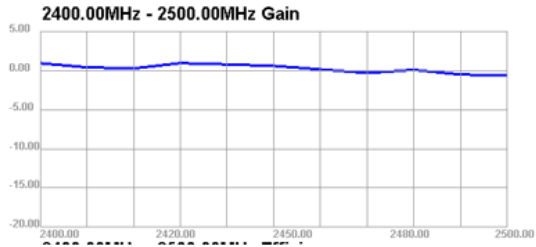
吞吐量测试	
1米(mb/s)	72.4 mb/s
5米(mb/s)	58.1 mb/s
10米隔墙(mb/s)	24.0 mb/s



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

CONFIDENTIAL
Brotone.com

3. Gain(2.4G 0.8dbi)



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

CONFIDENTIAL
Brotone.com

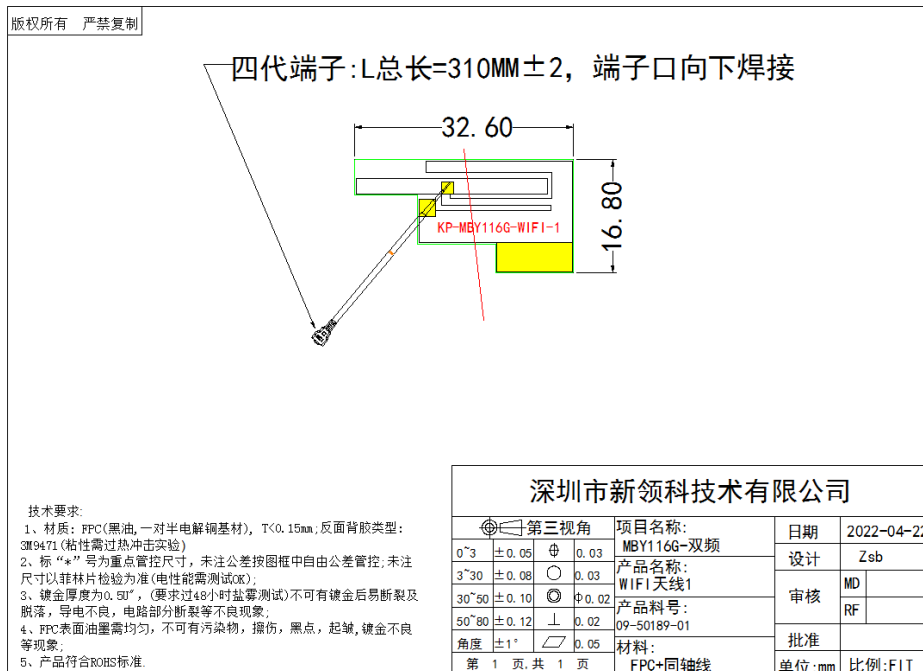
4. Environmental treatment



WiFi-2天线位置

WiFi-1天线位置

5. Assembling picture WIFI/BT antenna



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

版权所有 严禁复制

技术要求:
 1、材质: FPC (绿油, 一对半电解铜基材), T<0.15mm, 反面背胶类型: 3M9471 (粘性需过热冲击实验)
 2、标“*”号为重点管控尺寸, 未注公差按图框中自由公差管控, 未注尺寸以菲林片检验为准(电性能需测试OK);
 3、镀金厚度为0.5μ, (要求过48小时盐雾测试)不可有镀金后易断裂及脱落, 导电不良, 电路部分断裂等不良现象;
 4、FPC表面油墨需均匀, 不可有污染物, 擦伤, 黑点, 起皱, 镀金不良等现象;
 5、产品符合ROHS标准

深圳市新领科技术有限公司

第三视角	项目名称:	日期	2022-04-22
0°3 ±0.05	MBY116G-双频	设计	Zsb
3°30 ±0.08	产品名称:	审核	MD
30°50 ±0.10	WIFI天线2	RF	
50°80 ±0.12	产品料号:	批准	
角度 ±1°	09-50190-01	材料:	
第 1 页, 共 1 页	FPC+同轴线	单位: mm	比例: 1:1

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°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

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

Volume of salt	5%/NaCL	5%/NaCL	OK	Compressed air pressure	1±0.1KG/CM2	1	OK
saturated temperature	47° C	47°C	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	Supervised 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	

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