SHENZHEN XĪN LINGKE TECHNOLOGY CO.,LTD

SHENZHEN CITY LONGGANG DISTRICT PINGHU STREET HEHUA COMMUNITY, HENGSHUN SCIENCE PARK BUILDING B B303, 37 TONGFU ROAD

SPECIFICATION FOR APPROVAL

Customer:zhongbai

Description: N100 II

P/N:	SENDING DATE	2024.08.06
SUPPLIERS P/N	APPROVED NO.	
Customer hardware	Client project	N100 II
customer structure	Customer quality	
RF Engineer	Structural engineer	

SHENZHEN XĪN LINGKE TECHNOLOGY CO.,LTD

Project: N100 II Date:: 2024.08.0		Writed by: Zhang_hai dong	N100 -antenna Specification for
Revision	V1.0	Supervised by:	Approval
Mould		LI peng	••
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1 Summary

This report describes the characteristics of antenna for the zhongbai by Shenzhen xin lingke Technology Co., Ltd. The phablet model is N100 II and the range of frequency is frequency/2.4G+5G 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.

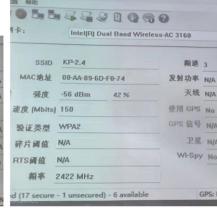
TRP, TIS

2.4GWIFI

WirelessMon信号(dbm)		
1米 (dbm)	-38	
5米(dbm)	-40	
10米隔墙(dbm)	-56	





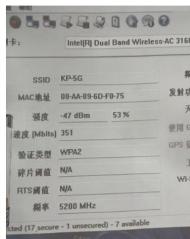


5GWIFI









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2.4GWIFI

SPEEDTEST 测速		
1米	下载	45.08mb
17	上传	34.12mb
-N	下载	19.89mb
5米	上传	37.07mb
10米隔墙	下载	24.15mb
	上传	26.45mb







5GWiFi

SPEED	TEST ?	则速
1米	下载	101.72mb
174	上传	67.69mb
ENG	下载	121.17mb
5米	上传	64.73mb
10米隔墙	下载	49.57mb
	上传	32.43mb



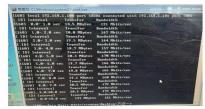




2.4GWIFI

吞吐量	赴测试
1米(mb/s)	165mb/s
5米(mb/s)	161 mb/s
10米隔墙(mb/s)	49.2mb/s

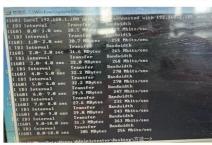


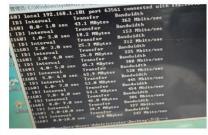


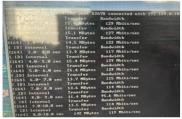
1641 local 192 168	1 100	
ID1 Interval	too port 6	Bandwidth 192.168.1.181 port Su
1641 9.0-1.0 .ec	Pansfer	Bandwidth
		38.5 Mbits/sec
11641 1.0- 2.0 sec		
1.W- 2.W Eec		54.7 Mbits/sec
[ID] Interval	Transfer	Bandwidth
[1641 2.8- 3.8 sec	6.88 MBytes	57.7 Mbits/see
[ID] Interval	Transfer	Bandwidth
[164] 3.8- 4.8 sec	8.11 MBytes	68.8 Mbits/sec
[ID] Interval	Transfer	Bandwidth
[164] 4.8- 5.8 sec	7.39 Hillytes	
[ID] Interval	Transfer	Bandwidth
[1641 5.8- 6.8 sec	6.91 MButes	SB.8 Mbits/sec
[ID] Interval	Transfer	Bandwidt h
[1641 6.8- 7.8 sec	6.55 MButes	SS.8 Mbits/sec
I IDI Interval	Transfer	Bandwidth
11641 7.0- 8.8 sec	4.37 MButes	36.6 Mbits/sec
[ID] Interval	Transfer	Randwidth
11641 B.S- 7.8 sec	2.91 MButes	24.4 Hbits/sec
[ID] Interval	Transfer	Bandwidth
[1641 7.0-18.8 sec	4.80 MBytes	48.2 Mbits/sec
[ID] Interval	Transfer	Bandwidth
[1164] 8.8-18.1 sec	59_8 HBytes	49.2 Hbits/sec

5GWiFi

吞吐量	量测试
1米(mb/s)	347 mb/s
5米(mb/s)	256mb/s
10米隔墙(mb/s)	119mb/s







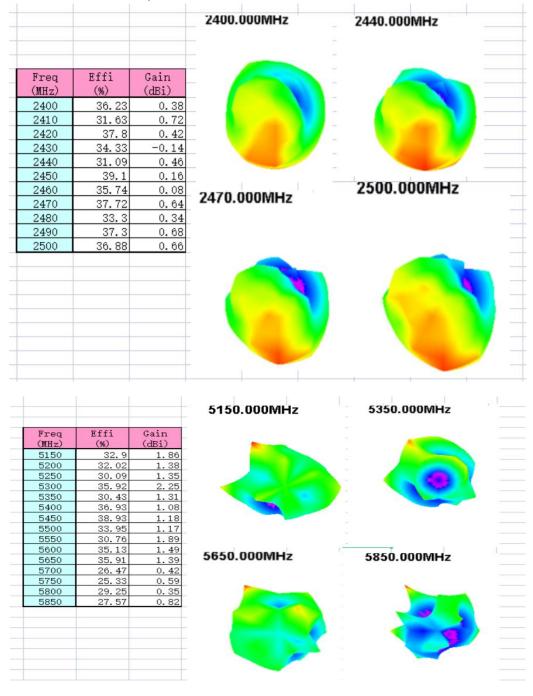
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3. Gain(2.4G 0.72dbi, 5G 2.25dbi)

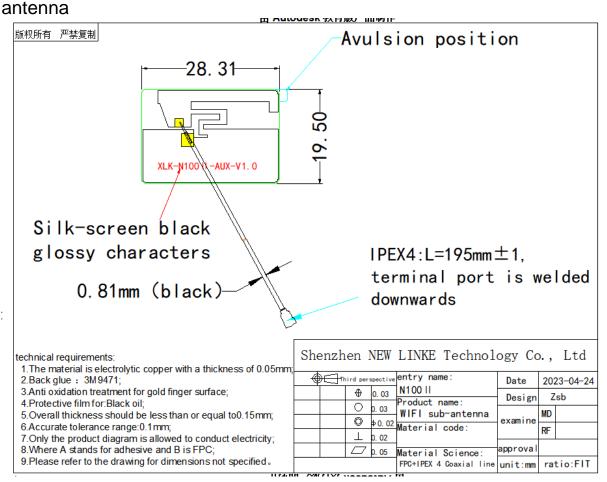


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4. Environmental treatment Antenna position



5. Assembling picture WIFI/BT



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6. Antenna tested Report with all dimension

Salt Fog Test Report

Handset Model	N100 II			Tested Quantity	5PCS		
Standard	GB2423. 18			Product material	FPC		
Tested Items	Required Standard	Actual value	Result	Tested Items	Required Standard	Actua 1 value	Resul t
Tester Model	KD-60	KD-60	OK	Tested Period	24Н	24H	OK
Salt Fog Test Type	NSS Neutral NSS	NSS Neutral NSS	OK	Salt Fog Box Temperatur e	35° C	35℃	OK
Salt PH	6. 5-7. 2	6. 8	OK	amount of precipitat ion of Salt fog (H.80C)	1-2m1	1.8ml	OK
Fog spit type	Continue d fog	Continue d fog	OK	Material	FPC	FPC	OK
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 NA						
12H	NA						
24H	NA NA						
Judged Standard: Judged by the method of GB5944-86, over Level 9 is qualified.							
Final Teste Result	Qualified ✓ Unqualified						

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Tested b	у	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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