SHENZHEN XĪN LINGKE TECHNOLOGY CO.,LTD SPECIFICATION FOR APPROVAL

Customer:zhongbai

Description: X7

P/N:	WIFI 1: 2-17-00407 WIFI 2: 2-17-00408	SENDING DATE	2023.05.15
SUPPLIERS P/N		APPROVED NO.	
Customer hardware		Client project	X7
customer structure		Customer quality	
RF Engineer		Structural engineer	

SHENZHEN XĪN LINGKE TECHNOLOGY CO.,LTD

Project: X7 Date:: 2023.05.1	5	Writed by: Zhang_hai dong	X7-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 X7 and the range of frequency is frequency/2.4G+5G WIFI+BT, The Antenna gain:2.4G:1.98dbi,5G:1.99dbi. The antenna model is PIFA and located inside the handset.

1.1 Match circuit

No change.

2 Configuring settings

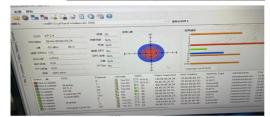
TX Power and RX Sensitivity The data of TX Power and Rx Sensitivity is 3D result measured in microwave eanechoic chamber by the Anritsu8820c.

TRP, TIS

测试数据 2.4GWIFI

WirelessMon	号 (dbm)
1米(dbm)	-45
5米(dbm)	-53
10米隔墙(dbm)	-66



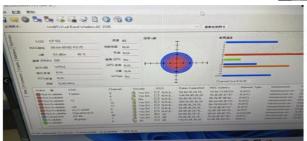




测试数据 5GWIFI

WirelessMon(言号 (dbm)
1米(dbm)	-44
5米(dbm)	-53
10米隔墙(dbm)	-74







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2.4GWiFi

	DTEST 测速	T
1米	下载	126.64mb
1/1	上传	62.57mb
5米	下载	62.96mb
3/1	上传	22.84mb
10米隔墙	下载	30.66mb
	上传	4.92mb







5GWiFi

	DTEST 测速	T 000 07 1
1米	下载	292.27mb
12/4	上传	76.64mb
5米	下载	110mb
3/\	上传	70.92mb
10米隔墙	下载	28.78mb
	上传	18.19mb

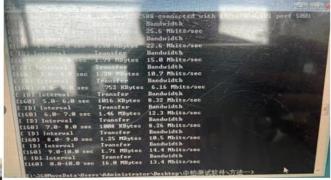


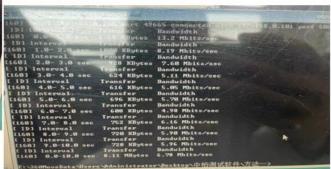


2.4GWiFi

吞吐量	量测试
1米(mb/s)	14.6mb/s
5米(mb/s)	13.4 mb/s
10米隔墙(mb/s)	6.78mb/s







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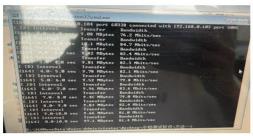
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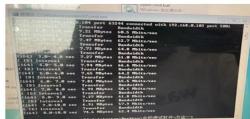
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5GWiFi

吞吐量	量测试
1米(mb/s)	81.4 <u>mb</u> /s
5米(mb/s)	73.4 mb/s
0米隔墙(mb/s)	62.4 mb/s

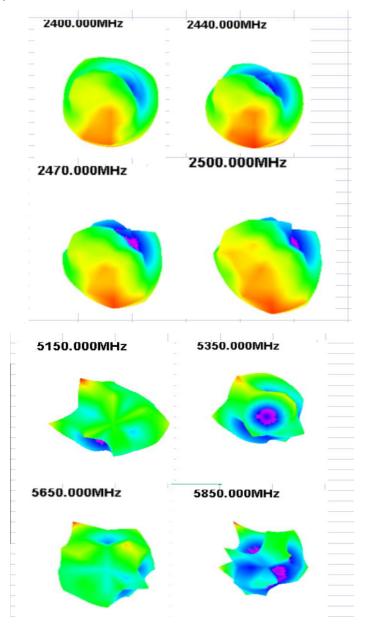
Terres mineral markeys	em32\onid.exe	
1001 local 192.168.	8.184 port 5	9204
2.8 sec	7.13 MBytes Transfer 9.45 MBytes Transfer 18.1 MBytes Transfer 9.38 MBytes Transfer 9.58 MBytes Transfer 9.58 MBytes Transfer 6.70 MBytes Transfer 6.44 MBytes Transfer 6.46 MBytes Transfer 7.46 MBytes Transfer 7.46 MBytes	79-3 Millarines Berlinstein





3. Gain(2.4G 1.98dbi, 5G 1.99dbi)

Freq (MHm)	Effi (%)	Cain (dBi)
2400	48.75	1.26
2450	42.27	1.98
2500	43.05	1.83
5150	52.77	1.29
5350	54.20	1.49
5500	50.12	1.54
5650	51.88	1.02
5750	46.89	1.99
5850	53.05	1.42

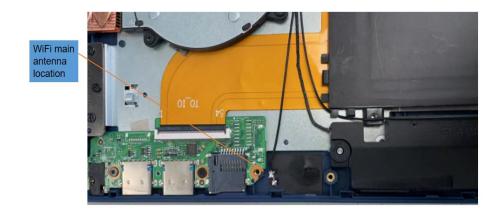


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Zhang_hai dong
Supervised by:
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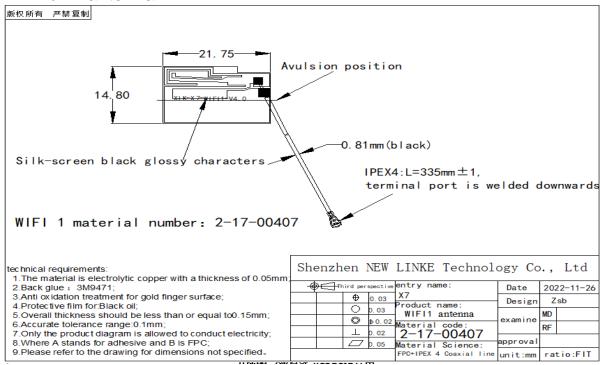
4. Environmental treatment Antenna position



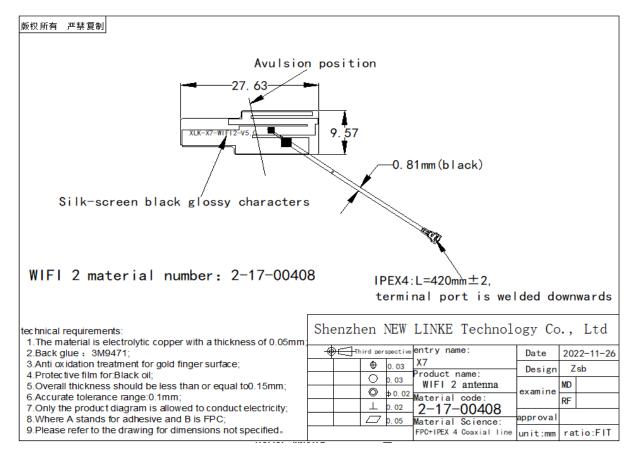


5. Assembling picture

WIFI/BT antenna



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6. Antenna tested Report with all dimension

Salt Fog Test Report

Handset Model	Х7			Tested Quantity	5PCS		
Standard	GB2423. 18			Product material	F	PC	
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

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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	Sample						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	Final Tested Result Qualified ✓ Unqualified						
Tested by	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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