

# SHENZHEN XIN 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<br>DATE        | 2024.08.06 |
| SUPPLIERS P/N      |  | APPROVED<br>NO.        |            |
| Customer hardware  |  | Client<br>project      | N100 II    |
| customer structure |  | Customer<br>quality    |            |
| RF Engineer        |  | Structural<br>engineer |            |

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|                                    |      |                               |                                                        |
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| Project: N100 II                   |      | Written by:<br>Zhang_hai dong | <b>N100 II -antenna Specification for<br/>Approval</b> |
| Date:: 2024.08.06                  |      |                               |                                                        |
| Revision                           | V1.0 | Supervised by:<br>LI peng     |                                                        |
| Mould                              |      |                               |                                                        |
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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.

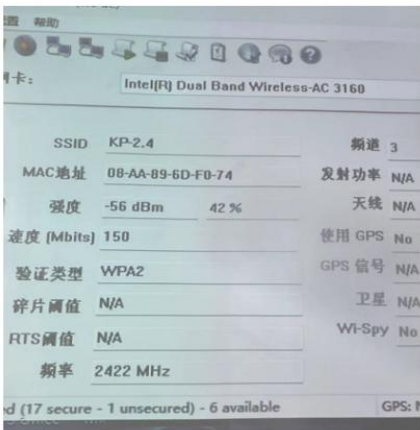
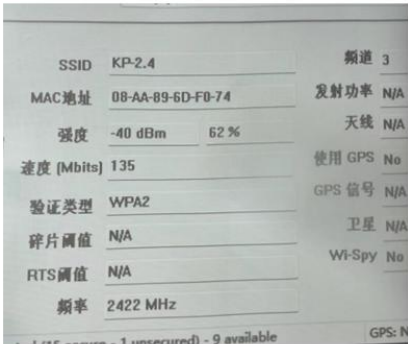
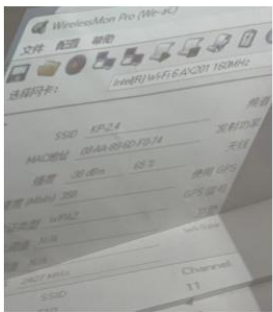
2 Configuring settings

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

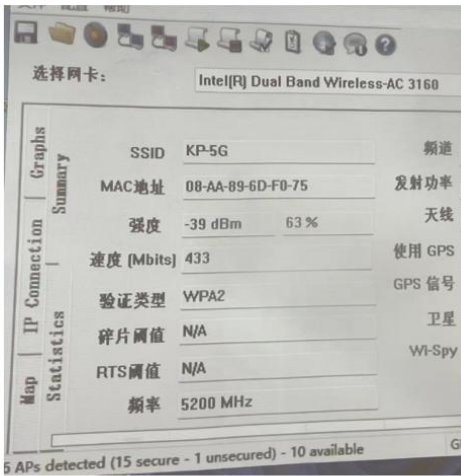
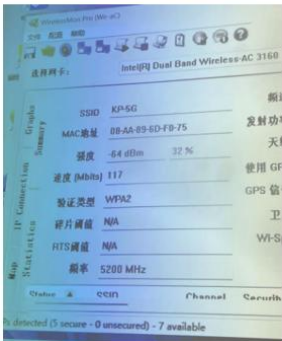
2.4GWIFI

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



5GWIFI

| WirelessMon信号 (dbm) |     |
|---------------------|-----|
| 1米 (dbm)            | -39 |
| 5米 (dbm)            | -47 |
| 10米隔墙 (dbm)         | -64 |



|                     |      |                               |                                                        |
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## 2.4GWIFI

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



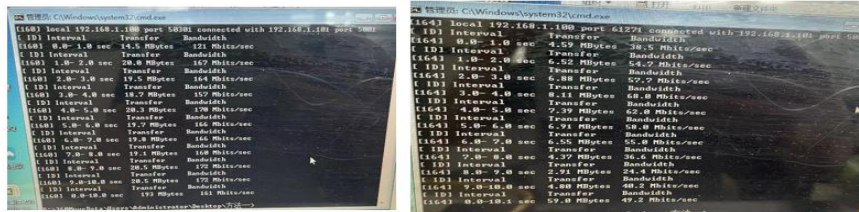
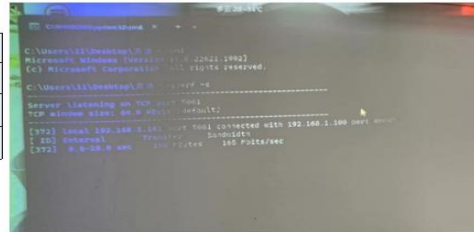
## 5GWiFi

| SPEEDTEST 测速 |    |          |
|--------------|----|----------|
| 1米           | 下载 | 101.72mb |
|              | 上传 | 67.69mb  |
| 5米           | 下载 | 121.17mb |
|              | 上传 | 64.73mb  |
| 10米隔墙        | 下载 | 49.57mb  |
|              | 上传 | 32.43mb  |



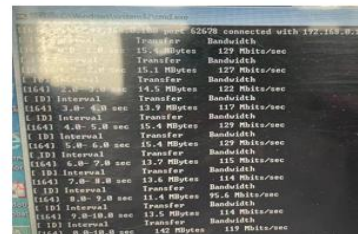
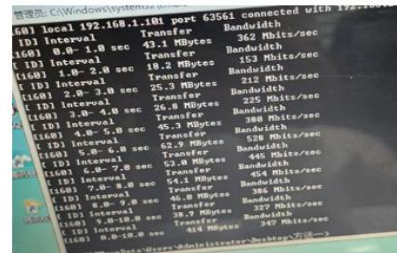
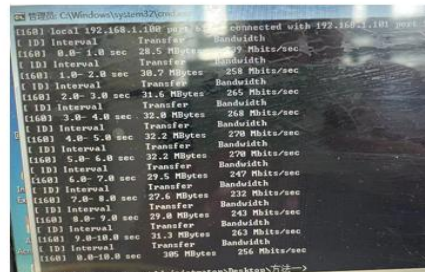
## 2.4GWIFI

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



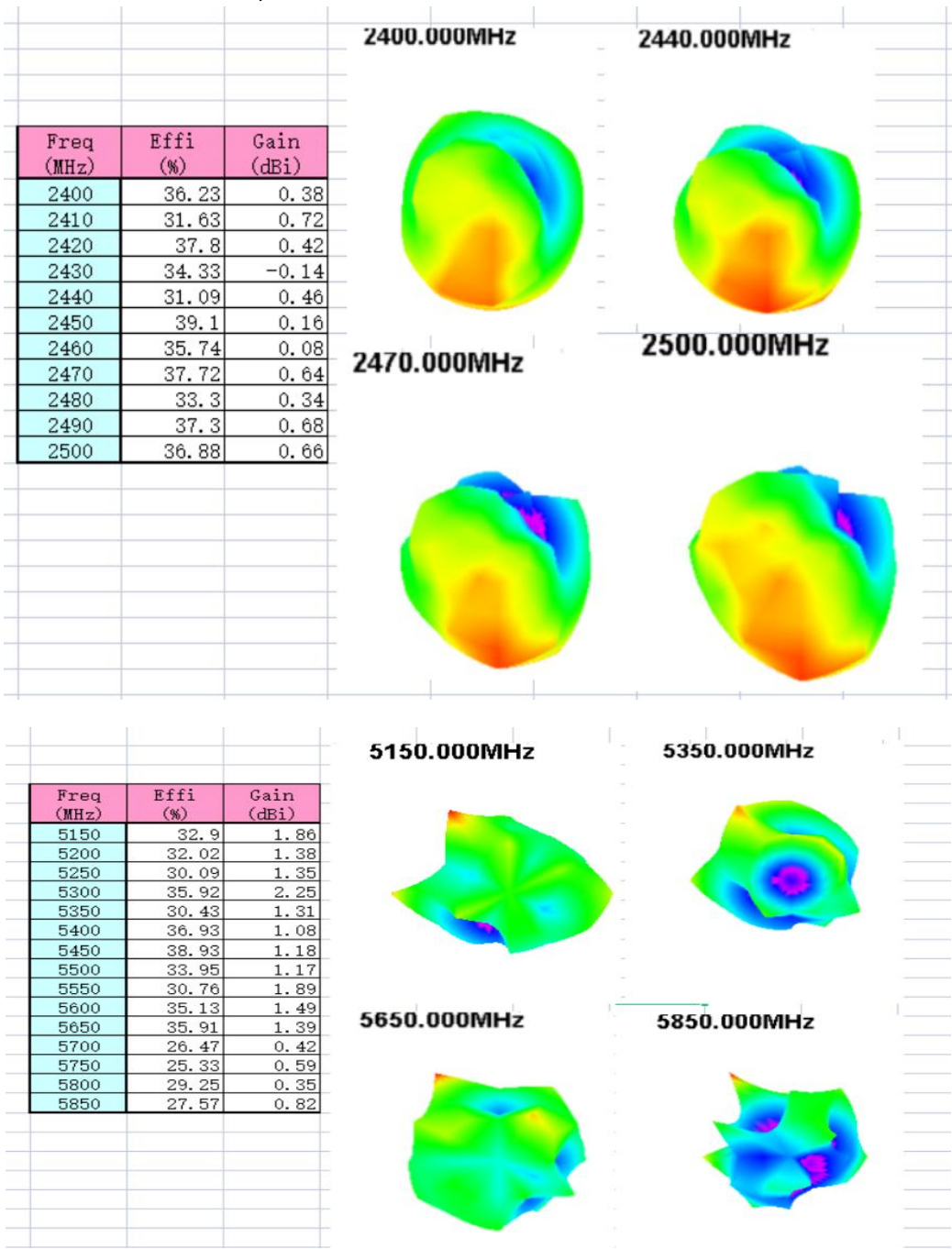
## 5GWiFi

| 吞吐量测试       |          |
|-------------|----------|
| 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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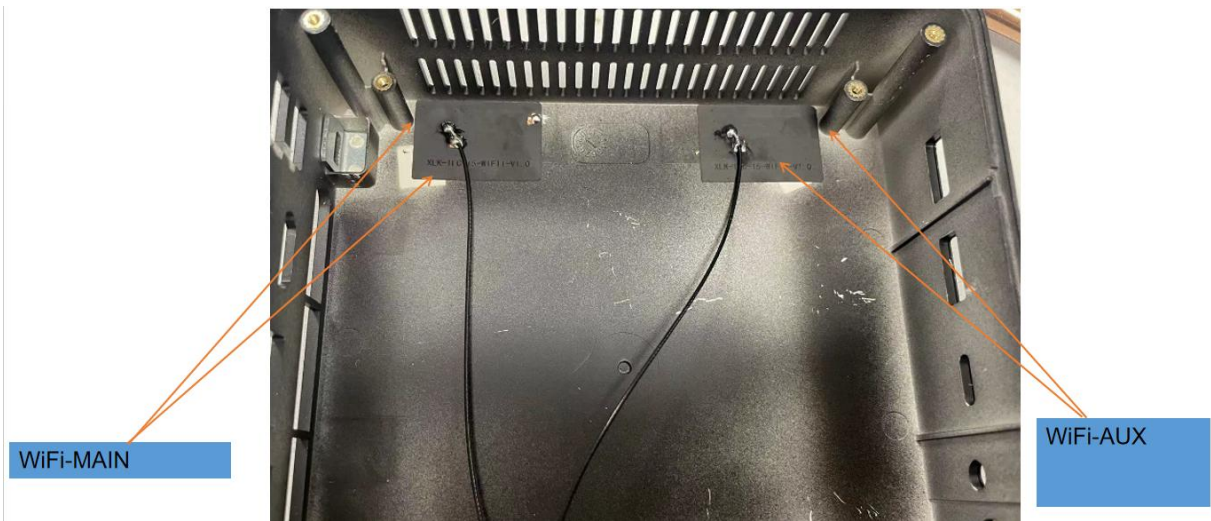
3. Gain( 2.4G 0.72dbi, 5G 2.25dbi)



|                                    |      |                               |                                                    |
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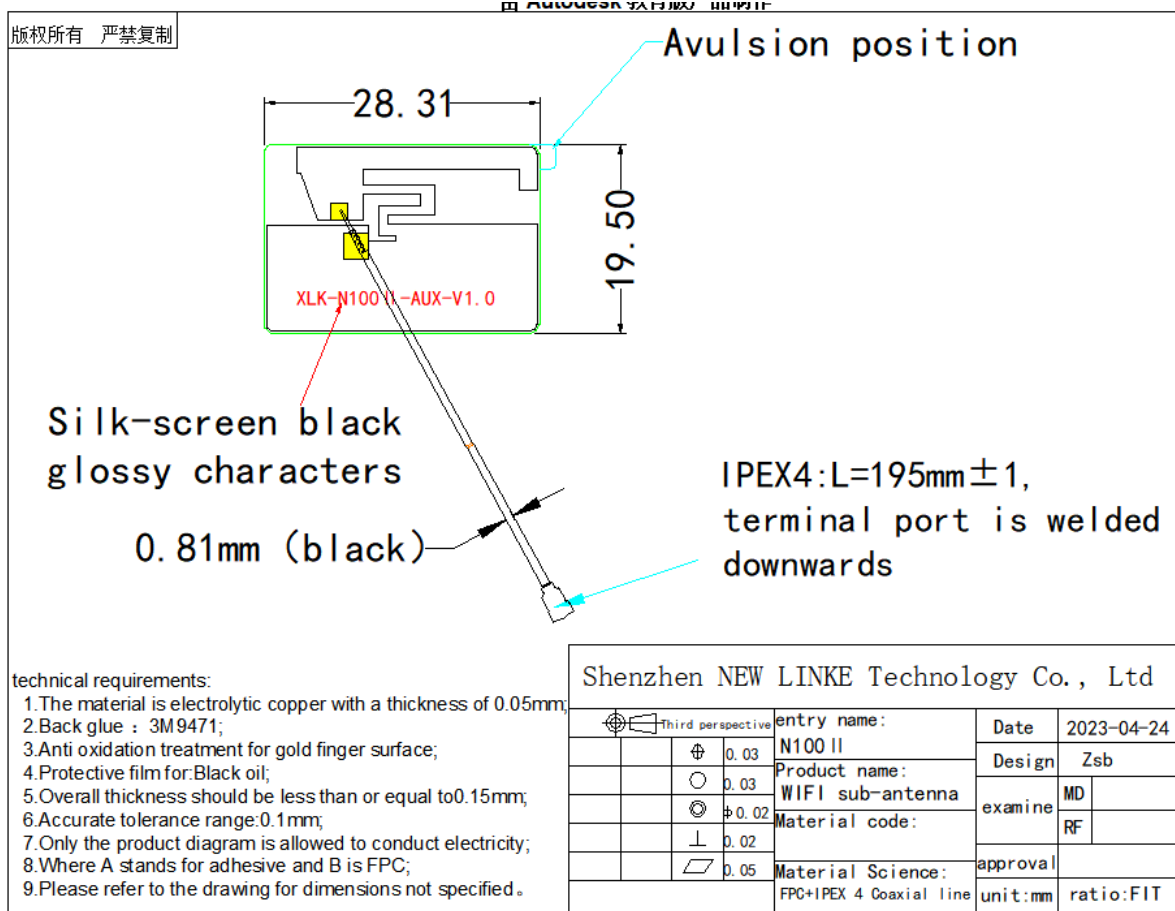
4. Environmental treatment

Antenna position



5. Assembling picture

WIFI/BT  
antenna



|                     |      |                               |                                                        |
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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 | Actual value | Result |
| Tester Model                                                                   | KD-60                 | KD-60                 | OK     | Tested Period                                | 24H               | 24H          | OK     |
| Salt Fog Test Type                                                             | NSS<br>Neutral<br>NSS | NSS<br>Neutral<br>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     |
| 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                                  |                   |              |        |

|                     |      |                               |                                                    |
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|                                                              |            |               |             |             |  |
|--------------------------------------------------------------|------------|---------------|-------------|-------------|--|
| 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                                                                                        |  |
|---------------|-----------------------------------------------------------------------------------------------------|--|
| FPC           | 1、 full page package for shipment<br>2、 Release paper+ PET plastics bags packed<br>3、 100sheets/bag |  |

|                                    |      |                               |                                                    |
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