



深圳星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

## 规格承认书 Approval Sheet

|                        |                                                                                |                      |            |
|------------------------|--------------------------------------------------------------------------------|----------------------|------------|
| 客户名称<br>Customer       | 攻氮                                                                             | 日期<br>Data           | 2023/11/14 |
| 产品名称<br>Product        | WiFi天线                                                                         | 客户机型<br>Models       | AS01       |
| 料号<br>P/N              | Main:F925-14RG-178<br>Aux:F667L-14LB-172                                       | 客户料号<br>Customer P/N |            |
| 规格描述<br>Specifications | 黑色FPC，背面需加补强； Main: RF0.81四代端子灰色同轴线，长度L=178mm； Aux: RF0.81四代端子黑色同轴线； 长度L=172mm |                      |            |

|                                                                                    |                                |
|------------------------------------------------------------------------------------|--------------------------------|
| 供应商承认签印<br>Vender Approved By                                                      | 客户承认签印<br>Customer Approved By |
|  |                                |
| Checked By:                                                                        | Checked By:                    |
| Audit By:                                                                          | Audit By:                      |
| Approval By:                                                                       | Approval By:                   |

### 文件修订履历表

| 版本<br>Version | 修订内容<br>Revise The Content | 修订人<br>Revused | 核准<br>Approval | 修订日期<br>Date | 备注<br>Note |
|---------------|----------------------------|----------------|----------------|--------------|------------|
|               |                            |                |                |              |            |
|               |                            |                |                |              |            |
|               |                            |                |                |              |            |

地址：深圳市宝安区福永镇福海街道塘尾股份商务大厦1506

Address:1506, Tangwei Business Building, Fuhai Street, Fuyong Town, Baoan District, Shenzhen

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## Specification

### 1.1 Electrical Properties

| Characteristics | Specifications      |
|-----------------|---------------------|
| Working Band    | 2.4GWiFi;<br>5GWiFi |
| Antenna From    | PIFA                |
| Impedance       | 50 $\Omega$         |
| Polarization    | Linear              |
| Peak Effi       | 45%@2.4G;<br>65%@5G |
|                 |                     |

### 1.2 Physical Properties

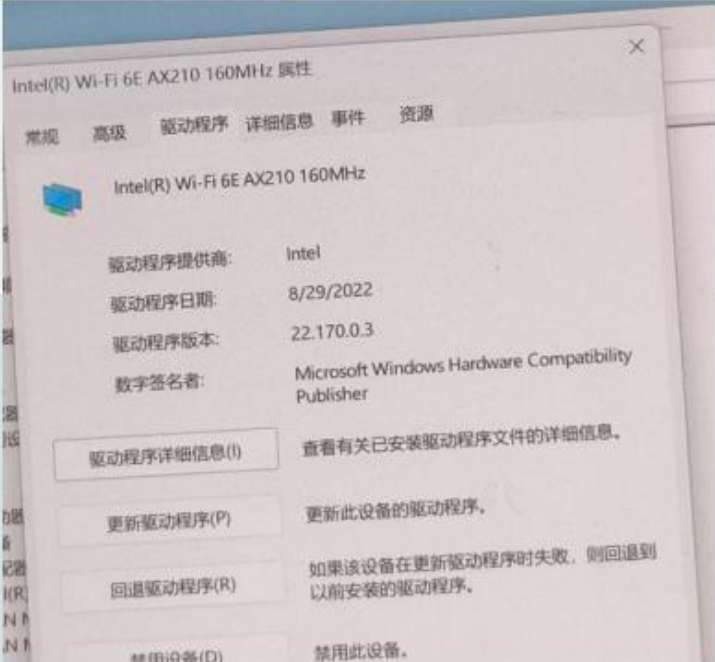
| Characteristics | Specifications |
|-----------------|----------------|
| Operating Temp  | -10°C ~+60°C   |
| Storage Temp    | -10°C ~+70°C   |
| Humidity        | 10~95%RH       |



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## WiFi Ant Test Information

| Frequency                  | 2. 4G (2402~2483)Mhz                                                                | 5G (5150~5850) Mhz |
|----------------------------|-------------------------------------------------------------------------------------|--------------------|
| Module information         |  |                    |
| Driver version information |                                                                                     |                    |

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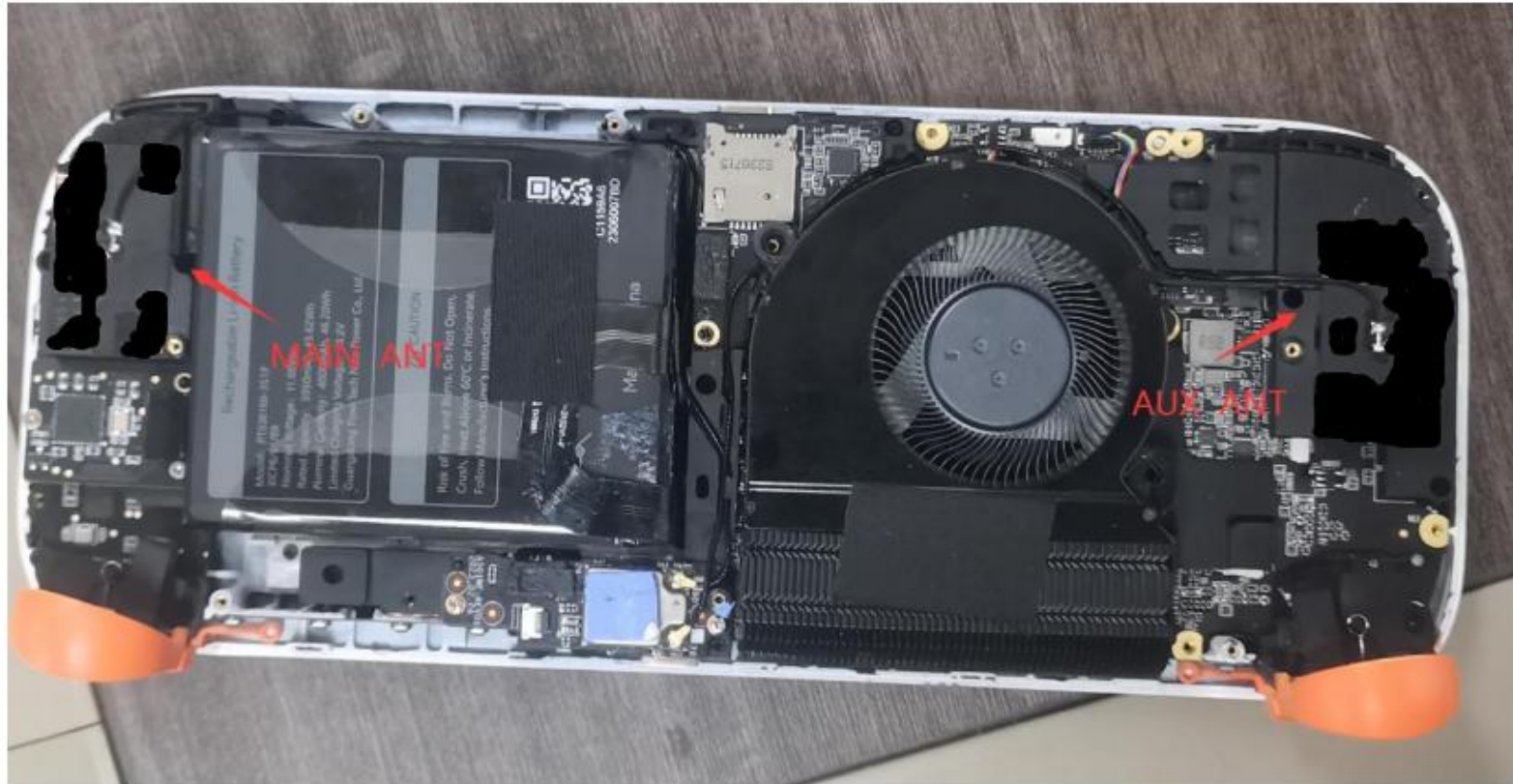
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## Antenna Placement



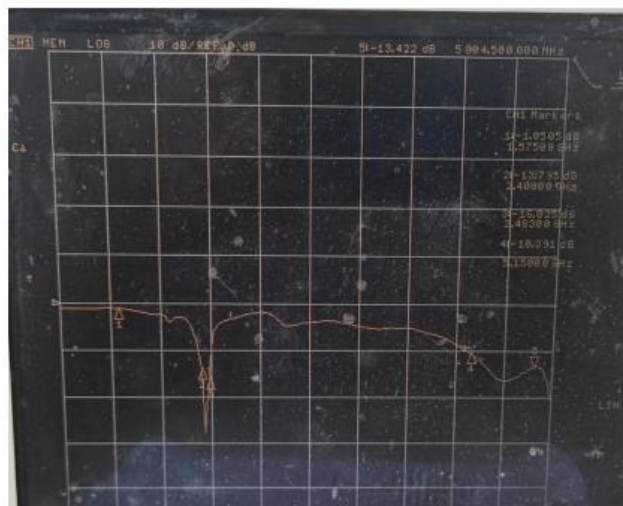
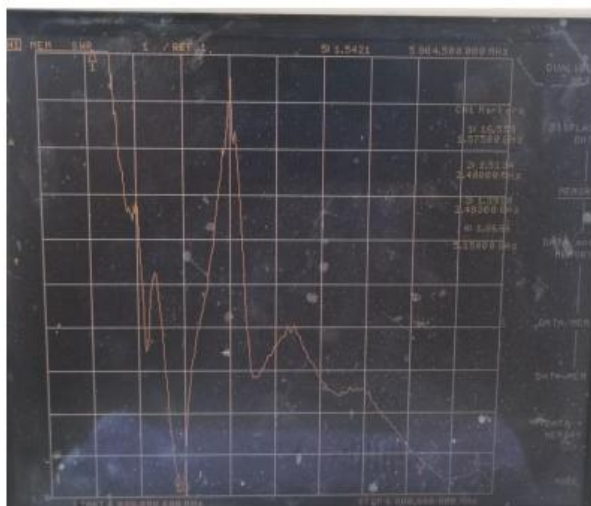
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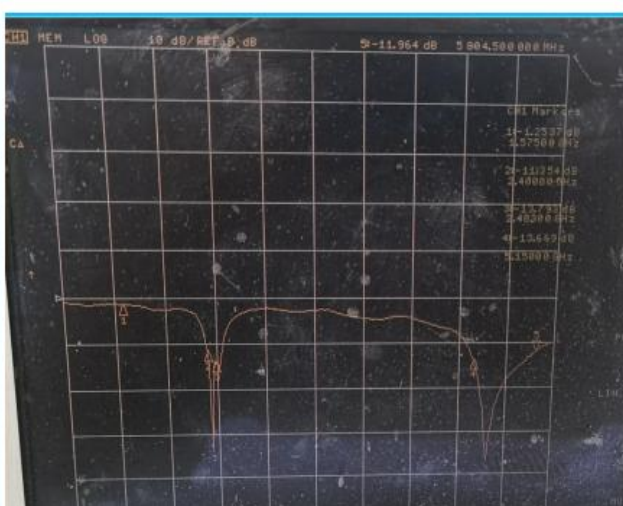
## Test Data

### S11 Parameter-VSWR(Main)



| Frequency (MHZ)  | 2400   |  | 2483   | 5150   | 5500 | 5850   |
|------------------|--------|--|--------|--------|------|--------|
| VSWR             | 1.51   |  | 1.39   | 1.86   |      | 1.54   |
| Return Loss (DB) | -13.70 |  | -16.03 | -18.33 |      | -13.42 |

### S11 Parameter-VSWR(Aux)



| Frequency (MHZ)  | 2400   |  | 2483   | 5150   | 5500 | 5850   |
|------------------|--------|--|--------|--------|------|--------|
| VSWR             | 1.74   |  | 1.51   | 1.52   |      | 1.67   |
| Return Loss (DB) | -11.35 |  | -13.79 | -13.66 |      | -11.96 |

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Efficiency Table (Main 2.4G) ANT2

| Passive Test For WIFI2.4 |          |           |            |            |         |         |          |          |                  |                 |           |           |
|--------------------------|----------|-----------|------------|------------|---------|---------|----------|----------|------------------|-----------------|-----------|-----------|
| Freq (MHz)               | Effi (%) | Effi (dB) | Gain (dBi) | Gain (dBd) | UHS (%) | DHS (%) | Max (dB) | Min (dB) | irectivity (dBi) | Beamwidth (3dB) | AttH (dB) | AttV (dB) |
| 2400                     | 35.87    | -4.45     | 2.41       | 0.26       | 13.817  | 22.049  | 2.41     | -19.84   | 6.86             | 30              | 45.78     | 46.01     |
| 2410                     | 39.19    | -4.07     | 2.91       | 0.76       | 14.76   | 24.426  | 2.91     | -23.61   | 6.98             | 30              | 46.01     | 46.29     |
| 2420                     | 39.68    | -4.01     | 2.91       | 0.76       | 15.072  | 24.608  | 2.91     | -21.72   | 6.92             | 30              | 45.73     | 46        |
| 2430                     | 39.48    | -4.04     | 3.01       | 0.86       | 15.275  | 24.2    | 3.01     | -17.35   | 7.04             | 30              | 46.01     | 46.36     |
| 2440                     | 40.02    | -3.98     | 2.9        | 0.75       | 15.946  | 24.071  | 2.9      | -18.1    | 6.88             | 30              | 46.12     | 46.48     |
| 2450                     | 36.86    | -4.33     | 2.3        | 0.15       | 15.413  | 21.447  | 2.3      | -18.19   | 6.63             | 30              | 46.12     | 46.54     |
| 2460                     | 35.5     | -4.5      | 1.8        | -0.35      | 15.78   | 19.724  | 1.8      | -15.38   | 6.29             | 30              | 46.14     | 46.52     |
| 2470                     | 35.73    | -4.47     | 0.77       | -1.38      | 17.045  | 18.686  | 0.77     | -14.97   | 5.24             | 60              | 46.4      | 46.8      |
| 2480                     | 35.99    | -4.44     | 0.32       | -1.83      | 18.03   | 17.958  | 0.32     | -17.33   | 4.76             | 90              | 46.26     | 46.64     |
| 2490                     | 36.96    | -4.32     | 0.28       | -1.87      | 18.874  | 18.082  | 0.28     | -18.45   | 4.6              | 90              | 46.51     | 46.91     |
| 2500                     | 41.13    | -3.86     | 1.06       | -1.09      | 21.068  | 20.064  | 1.06     | -16.56   | 4.92             | 90              | 46.47     | 46.86     |

Efficiency Table (Aux 2.4G) ANT1

| Passive Test For WIFI2.4 |          |           |            |            |         |         |          |          |                  |                 |           |           |
|--------------------------|----------|-----------|------------|------------|---------|---------|----------|----------|------------------|-----------------|-----------|-----------|
| Freq (MHz)               | Effi (%) | Effi (dB) | Gain (dBi) | Gain (dBd) | UHS (%) | DHS (%) | Max (dB) | Min (dB) | irectivity (dBi) | Beamwidth (3dB) | AttH (dB) | AttV (dB) |
| 2400                     | 43.52    | -3.61     | 2.69       | 0.54       | 24.177  | 19.338  | 2.69     | -20.04   | 6.31             | 30              | 45.78     | 46.01     |
| 2410                     | 43.73    | -3.59     | 2.79       | 0.64       | 25.121  | 18.614  | 2.79     | -16.81   | 6.38             | 30              | 46.01     | 46.29     |
| 2420                     | 45.33    | -3.44     | 3.36       | 1.21       | 26.813  | 18.518  | 3.36     | -15.22   | 6.8              | 30              | 45.73     | 46        |
| 2430                     | 44.99    | -3.47     | 3.09       | 0.94       | 27.357  | 17.631  | 3.09     | -15.62   | 6.55             | 30              | 46.01     | 46.36     |
| 2440                     | 45.15    | -3.45     | 2.84       | 0.69       | 27.7    | 17.447  | 2.84     | -16.36   | 6.3              | 30              | 46.12     | 46.48     |
| 2450                     | 44.01    | -3.56     | 2.71       | 0.56       | 27.651  | 16.355  | 2.71     | -17.14   | 6.27             | 30              | 46.12     | 46.54     |
| 2460                     | 43.35    | -3.63     | 2.35       | 0.2        | 27.391  | 15.955  | 2.35     | -17.82   | 5.98             | 60              | 46.14     | 46.52     |
| 2470                     | 44.13    | -3.55     | 2.46       | 0.31       | 28.273  | 15.858  | 2.46     | -17.24   | 6.01             | 60              | 46.4      | 46.8      |
| 2480                     | 43.47    | -3.62     | 2.23       | 0.08       | 27.497  | 15.971  | 2.23     | -18.5    | 5.85             | 60              | 46.26     | 46.64     |
| 2490                     | 40.12    | -3.97     | 1.66       | -0.49      | 25.082  | 15.036  | 1.66     | -16.08   | 5.62             | 60              | 46.51     | 46.91     |
| 2500                     | 37.25    | -4.29     | 1.21       | -0.94      | 22.681  | 14.573  | 1.21     | -18.52   | 5.5              | 60              | 46.47     | 46.86     |

WiFi Active Test Data

| 802.11b | Frequency | TRP         |       | TIS          |        |
|---------|-----------|-------------|-------|--------------|--------|
|         | 2412      | CH1 11Mbps  | 12.13 | CH1 11Mbps   | -75.94 |
|         | 2437      | CH6 11Mbps  | 12.42 | CH6 11Mbps   | -75.92 |
|         | 2467      | CH11 11Mbps | 11.41 | CH11 11Mbps  | -74.25 |
| 802.11a |           | TRP         |       | TIS          |        |
|         | 5180      | CH36 6Mbps  | 12.41 | CH36 54Mbps  | -69.80 |
|         | 5300      | CH60 6Mbps  | 12.72 | CH60 54Mbps  | -65.69 |
|         | 5805      | CH161 6Mbps | 13.05 | CH161 54Mbps | -70.49 |

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Efficiency Table (Main 5G) ANT2

| Passive Test For WIFI5G |             |              |               |               |            |            |             |             |                      |                    |              |              |
|-------------------------|-------------|--------------|---------------|---------------|------------|------------|-------------|-------------|----------------------|--------------------|--------------|--------------|
| Freq<br>(MHz)           | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | Gain<br>(dBd) | UHS<br>(%) | DHS<br>(%) | Max<br>(dB) | Min<br>(dB) | Directivity<br>(dBi) | Beamwidth<br>(3dB) | AttH<br>(dB) | AttV<br>(dB) |
| 5150                    | 39.84       | -4           | 2.17          | 0.02          | 19.7       | 20.14      | 2.17        | -15.69      | 6.16                 | 0                  | 49.82        | 49.4         |
| 5170                    | 39.89       | -3.99        | 2.3           | 0.15          | 19.527     | 20.365     | 2.3         | -17.65      | 6.29                 | 30                 | 50.13        | 49.77        |
| 5190                    | 44.26       | -3.54        | 2.69          | 0.54          | 21.551     | 22.709     | 2.69        | -19.25      | 6.23                 | 30                 | 50.42        | 49.95        |
| 5210                    | 46.41       | -3.33        | 3.07          | 0.92          | 22.277     | 24.133     | 3.07        | -20.79      | 6.41                 | 0                  | 50.88        | 50.49        |
| 5230                    | 48.47       | -3.15        | 3.42          | 1.27          | 22.844     | 25.625     | 3.42        | -21.76      | 6.56                 | 0                  | 50.42        | 50.08        |
| 5250                    | 52.37       | -2.81        | 3.97          | 1.82          | 23.974     | 28.399     | 3.97        | -21.59      | 6.78                 | 60                 | 51.02        | 50.72        |
| 5270                    | 57.09       | -2.43        | 4.27          | 2.12          | 25.859     | 31.231     | 4.27        | -19.39      | 6.7                  | 60                 | 50.85        | 50.6         |
| 5290                    | 58.41       | -2.33        | 4.25          | 2.1           | 26.547     | 31.866     | 4.25        | -18.76      | 6.59                 | 60                 | 51.34        | 51.12        |
| 5310                    | 55.64       | -2.55        | 4.13          | 1.98          | 24.833     | 30.805     | 4.13        | -18.32      | 6.68                 | 60                 | 50.44        | 50.36        |
| 5330                    | 58.75       | -2.31        | 4.4           | 2.25          | 25.477     | 33.272     | 4.4         | -18.92      | 6.71                 | 210                | 51.08        | 51.01        |
| 5350                    | 61.56       | -2.11        | 4.59          | 2.44          | 26.171     | 35.391     | 4.59        | -18.32      | 6.69                 | 150                | 51.02        | 51.01        |
| 5370                    | 60.43       | -2.19        | 4.36          | 2.21          | 25.75      | 34.678     | 4.36        | -18.8       | 6.55                 | 150                | 50.91        | 50.95        |
| 5390                    | 54.71       | -2.62        | 3.94          | 1.79          | 23.254     | 31.459     | 3.94        | -16.54      | 6.56                 | 90                 | 50.46        | 50.43        |
| 5410                    | 65.8        | -1.82        | 4.75          | 2.6           | 27.297     | 38.501     | 4.75        | -16.45      | 6.57                 | 90                 | 51.18        | 51.09        |
| 5430                    | 59.03       | -2.29        | 4.2           | 2.05          | 23.752     | 35.28      | 4.2         | -18.12      | 6.49                 | 60                 | 50.69        | 50.7         |
| 5450                    | 63.35       | -1.98        | 4.28          | 2.13          | 25.347     | 38.003     | 4.28        | -17.81      | 6.26                 | 30                 | 50.71        | 50.85        |
| 5470                    | 59.66       | -2.24        | 3.88          | 1.73          | 23.808     | 35.857     | 3.88        | -19.96      | 6.12                 | 30                 | 50.93        | 50.83        |
| 5490                    | 60.49       | -2.18        | 3.88          | 1.73          | 23.48      | 37.007     | 3.88        | -23.12      | 6.06                 | 30                 | 50.92        | 50.79        |
| 5510                    | 64.22       | -1.92        | 4.06          | 1.91          | 24.075     | 40.142     | 4.06        | -25.81      | 5.99                 | 30                 | 51.18        | 51.16        |
| 5530                    | 63.45       | -1.98        | 4             | 1.85          | 23.105     | 40.345     | 4           | -23.49      | 5.97                 | 30                 | 51.44        | 51.3         |
| 5550                    | 68.59       | -1.64        | 4.57          | 2.42          | 24.462     | 44.123     | 4.57        | -21.5       | 6.21                 | 30                 | 51.89        | 51.76        |
| 5570                    | 59.25       | -2.27        | 4.23          | 2.08          | 20.679     | 38.569     | 4.23        | -18.34      | 6.5                  | 30                 | 51.42        | 51.33        |
| 5590                    | 65.38       | -1.85        | 5.09          | 2.94          | 21.92      | 43.464     | 5.09        | -16.96      | 6.94                 | 30                 | 51.71        | 51.76        |
| 5610                    | 56.81       | -2.46        | 4.84          | 2.69          | 18.506     | 38.308     | 4.84        | -20.9       | 7.3                  | 30                 | 51.17        | 51.22        |
| 5630                    | 63.51       | -1.97        | 5.43          | 3.28          | 20.45      | 43.063     | 5.43        | -15.87      | 7.4                  | 30                 | 51.78        | 51.77        |
| 5650                    | 55.9        | -2.53        | 4.92          | 2.77          | 17.922     | 37.973     | 4.92        | -17.48      | 7.45                 | 30                 | 51.47        | 51.55        |
| 5670                    | 57.5        | -2.4         | 5.2           | 3.05          | 18.511     | 38.994     | 5.2         | -20.21      | 7.6                  | 30                 | 52.12        | 52.28        |
| 5690                    | 55.88       | -2.53        | 5.32          | 3.17          | 17.804     | 38.072     | 5.32        | -23.74      | 7.84                 | 30                 | 52.12        | 52.25        |
| 5710                    | 49.96       | -3.01        | 4.85          | 2.7           | 15.652     | 34.307     | 4.85        | -23.78      | 7.86                 | 0                  | 51.95        | 52.05        |
| 5730                    | 59.09       | -2.29        | 5.42          | 3.27          | 18.453     | 40.633     | 5.42        | -16.24      | 7.71                 | 0                  | 51.59        | 51.69        |
| 5750                    | 48.85       | -3.11        | 4.62          | 2.47          | 15.071     | 33.776     | 4.62        | -19.19      | 7.73                 | 0                  | 51.12        | 51.15        |
| 5770                    | 55.88       | -2.53        | 5.31          | 3.16          | 17.118     | 38.763     | 5.31        | -18.77      | 7.84                 | 0                  | 51.02        | 51.06        |
| 5790                    | 48.64       | -3.13        | 4.8           | 2.65          | 14.658     | 33.984     | 4.8         | -19.34      | 7.93                 | 0                  | 51.08        | 51.16        |
| 5810                    | 52.78       | -2.78        | 5.01          | 2.86          | 15.488     | 37.294     | 5.01        | -20.07      | 7.79                 | 0                  | 51.36        | 51.43        |
| 5830                    | 49.48       | -3.06        | 4.62          | 2.47          | 14.071     | 35.409     | 4.62        | -23.28      | 7.68                 | 0                  | 51.65        | 51.66        |
| 5850                    | 55.06       | -2.59        | 5.16          | 3.01          | 15.298     | 39.764     | 5.16        | -23.58      | 7.75                 | 30                 | 51.88        | 52.05        |

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Efficiency Table (Aux 5G) ANT1

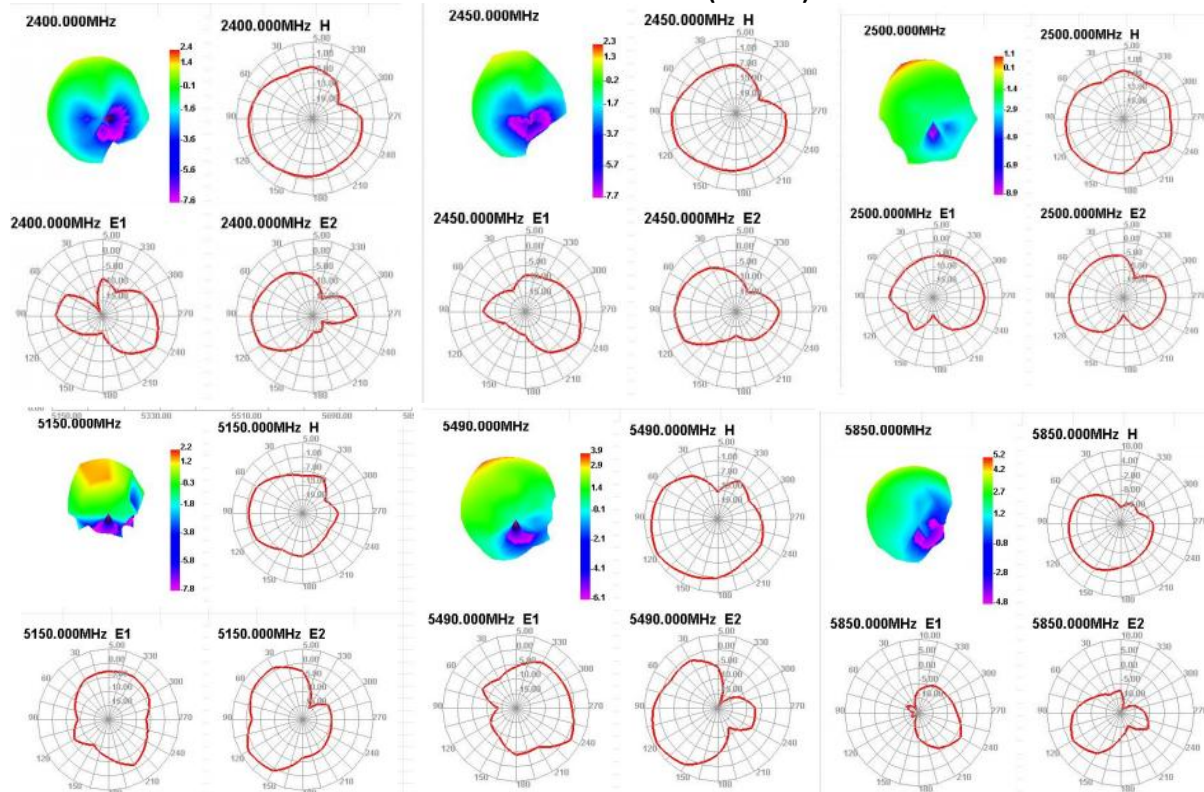
| Passive Test For WIFI5G |             |              |               |               |            |             |             |             |                      |                    |              |              |
|-------------------------|-------------|--------------|---------------|---------------|------------|-------------|-------------|-------------|----------------------|--------------------|--------------|--------------|
| Freq<br>(MHz)           | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | Gain<br>(dBd) | UHS<br>(%) | DHIS<br>(%) | Max<br>(dB) | Min<br>(dB) | Directivity<br>(dBi) | Beamwidth<br>(3dB) | AttH<br>(dB) | AttV<br>(dB) |
| 5150                    | 37.25       | -4.29        | 2.91          | 0.76          | 18.135     | 19.117      | 2.91        | -24.75      | 7.2                  | 90                 | 49.82        | 49.4         |
| 5170                    | 40.74       | -3.9         | 3.37          | 1.22          | 19.571     | 21.168      | 3.37        | -22.05      | 7.27                 | 90                 | 50.13        | 49.77        |
| 5190                    | 40.02       | -3.98        | 3.36          | 1.21          | 19.347     | 20.675      | 3.36        | -20.97      | 7.34                 | 90                 | 50.42        | 49.95        |
| 5210                    | 49.05       | -3.09        | 4.24          | 2.09          | 23.959     | 25.091      | 4.24        | -22.53      | 7.33                 | 90                 | 50.88        | 50.49        |
| 5230                    | 43.37       | -3.63        | 3.7           | 1.55          | 21.207     | 22.164      | 3.7         | -28.8       | 7.33                 | 90                 | 50.42        | 50.08        |
| 5250                    | 54.99       | -2.6         | 4.61          | 2.46          | 26.706     | 28.285      | 4.61        | -23.36      | 7.2                  | 90                 | 51.02        | 50.72        |
| 5270                    | 50.01       | -3.01        | 4.35          | 2.2           | 24.406     | 25.604      | 4.35        | -25.63      | 7.36                 | 90                 | 50.85        | 50.6         |
| 5290                    | 60.06       | -2.21        | 5.15          | 3             | 29.581     | 30.481      | 5.15        | -24.59      | 7.36                 | 90                 | 51.34        | 51.12        |
| 5310                    | 52.05       | -2.84        | 4.52          | 2.37          | 25.754     | 26.299      | 4.52        | -23.87      | 7.35                 | 90                 | 50.44        | 50.36        |
| 5330                    | 56.52       | -2.48        | 4.86          | 2.71          | 27.822     | 28.694      | 4.86        | -27.95      | 7.34                 | 90                 | 51.08        | 51.01        |
| 5350                    | 55.41       | -2.56        | 4.79          | 2.64          | 27.197     | 28.21       | 4.79        | -25.33      | 7.36                 | 90                 | 51.02        | 51.01        |
| 5370                    | 55.88       | -2.53        | 4.96          | 2.81          | 27.438     | 28.445      | 4.96        | -20.3       | 7.49                 | 60                 | 50.91        | 50.95        |
| 5390                    | 49.72       | -3.03        | 4.39          | 2.24          | 24.455     | 25.27       | 4.39        | -20.13      | 7.42                 | 60                 | 50.46        | 50.43        |
| 5410                    | 60.95       | -2.15        | 5.21          | 3.06          | 30.173     | 30.774      | 5.21        | -18.13      | 7.36                 | 60                 | 51.18        | 51.09        |
| 5430                    | 52.34       | -2.81        | 4.53          | 2.38          | 25.961     | 26.379      | 4.53        | -19.09      | 7.34                 | 60                 | 50.69        | 50.7         |
| 5450                    | 56.72       | -2.46        | 4.83          | 2.68          | 28.137     | 28.585      | 4.83        | -18.93      | 7.29                 | 90                 | 50.71        | 50.85        |
| 5470                    | 53.43       | -2.72        | 4.62          | 2.47          | 26.56      | 26.866      | 4.62        | -19.69      | 7.34                 | 90                 | 50.93        | 50.83        |
| 5490                    | 54.25       | -2.66        | 4.57          | 2.42          | 27.189     | 27.064      | 4.57        | -19.55      | 7.23                 | 90                 | 50.92        | 50.79        |
| 5510                    | 58.15       | -2.35        | 4.88          | 2.73          | 29.512     | 28.636      | 4.88        | -18.61      | 7.23                 | 90                 | 51.18        | 51.16        |
| 5530                    | 58.53       | -2.33        | 4.95          | 2.8           | 29.783     | 28.748      | 4.95        | -19.41      | 7.27                 | 30                 | 51.44        | 51.3         |
| 5550                    | 64.31       | -1.92        | 5.25          | 3.1           | 33.068     | 31.243      | 5.25        | -19.39      | 7.17                 | 30                 | 51.89        | 51.76        |
| 5570                    | 56.43       | -2.49        | 4.7           | 2.55          | 29.312     | 27.115      | 4.7         | -21.34      | 7.19                 | 30                 | 51.42        | 51.33        |
| 5590                    | 62.54       | -2.04        | 5.14          | 2.99          | 32.899     | 29.643      | 5.14        | -19.25      | 7.17                 | 30                 | 51.71        | 51.76        |
| 5610                    | 55.18       | -2.58        | 4.69          | 2.54          | 29.2       | 25.982      | 4.69        | -17.95      | 7.27                 | 30                 | 51.17        | 51.22        |
| 5630                    | 62.27       | -2.06        | 5.25          | 3.1           | 32.874     | 29.4        | 5.25        | -16.97      | 7.31                 | 30                 | 51.78        | 51.77        |
| 5650                    | 55.17       | -2.58        | 4.58          | 2.43          | 29.19      | 25.977      | 4.58        | -17.88      | 7.16                 | 30                 | 51.47        | 51.55        |
| 5670                    | 56.45       | -2.48        | 4.54          | 2.39          | 29.875     | 26.578      | 4.54        | -18.24      | 7.02                 | 30                 | 52.12        | 52.28        |
| 5690                    | 54.04       | -2.67        | 4.26          | 2.11          | 28.517     | 25.525      | 4.26        | -16.78      | 6.93                 | 30                 | 52.12        | 52.25        |
| 5710                    | 49.48       | -3.06        | 3.66          | 1.51          | 25.845     | 23.631      | 3.66        | -16.97      | 6.71                 | 120                | 51.95        | 52.05        |
| 5730                    | 57.25       | -2.42        | 4.07          | 1.92          | 29.7       | 27.551      | 4.07        | -15.33      | 6.49                 | 120                | 51.59        | 51.69        |
| 5750                    | 47.57       | -3.23        | 2.94          | 0.79          | 24.692     | 22.874      | 2.94        | -15.47      | 6.17                 | 120                | 51.12        | 51.15        |
| 5770                    | 52.45       | -2.8         | 3.21          | 1.06          | 27.29      | 25.161      | 3.21        | -16.35      | 6.01                 | 120                | 51.02        | 51.06        |
| 5790                    | 45.94       | -3.38        | 2.54          | 0.39          | 23.669     | 22.267      | 2.54        | -14.89      | 5.92                 | 120                | 51.08        | 51.16        |
| 5810                    | 48.95       | -3.1         | 2.7           | 0.55          | 25.284     | 23.669      | 2.7         | -15.74      | 5.8                  | 150                | 51.36        | 51.43        |
| 5830                    | 45.72       | -3.4         | 2.28          | 0.13          | 23.972     | 21.751      | 2.28        | -14.85      | 5.68                 | 150                | 51.65        | 51.66        |
| 5850                    | 48.64       | -3.13        | 2.53          | 0.38          | 25.799     | 22.843      | 2.53        | -17.06      | 5.66                 | 60                 | 51.88        | 52.05        |

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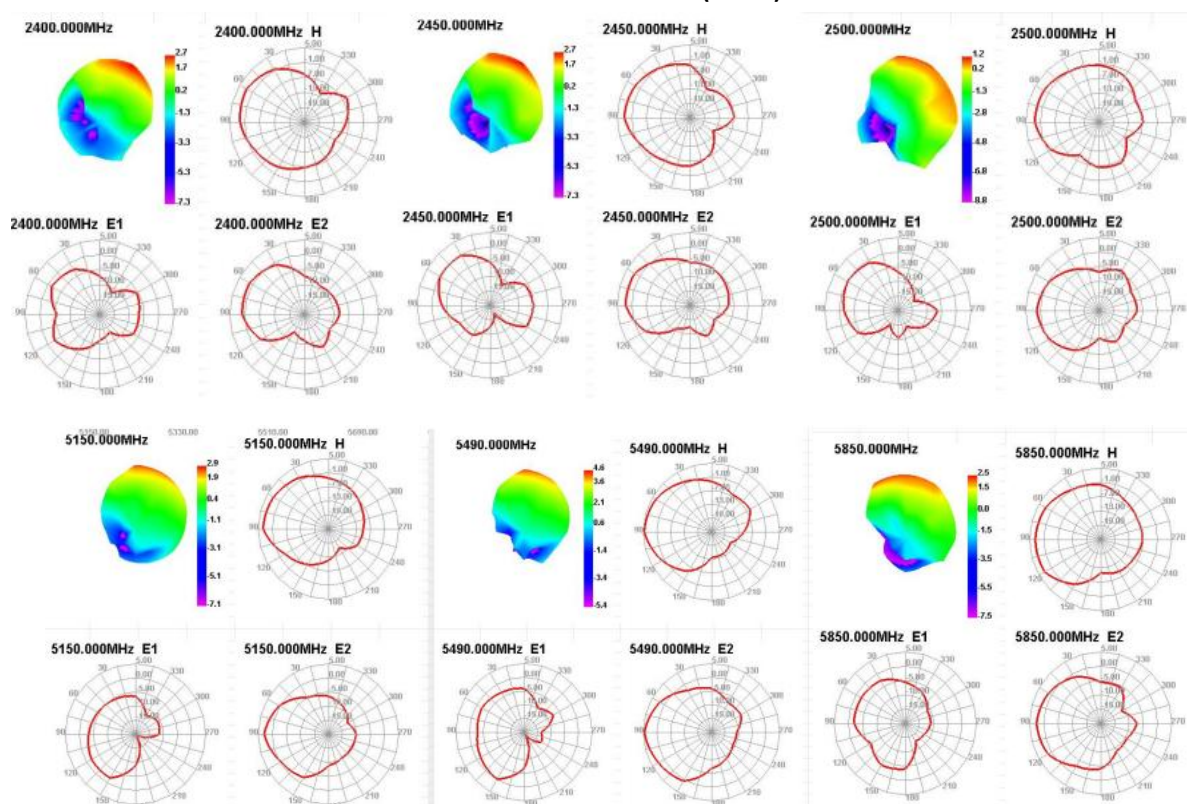
Address:1506, Tangwei Business Building, Fuhai Street, Fuyong Town, Baoan District, Shenzhen

Tel: 0755-82103639 QQ: 487580356 Email: Stephdeng\_Vis@126.com

## Radiation Pattern(Main)



## Radiation Pattern(Aux)

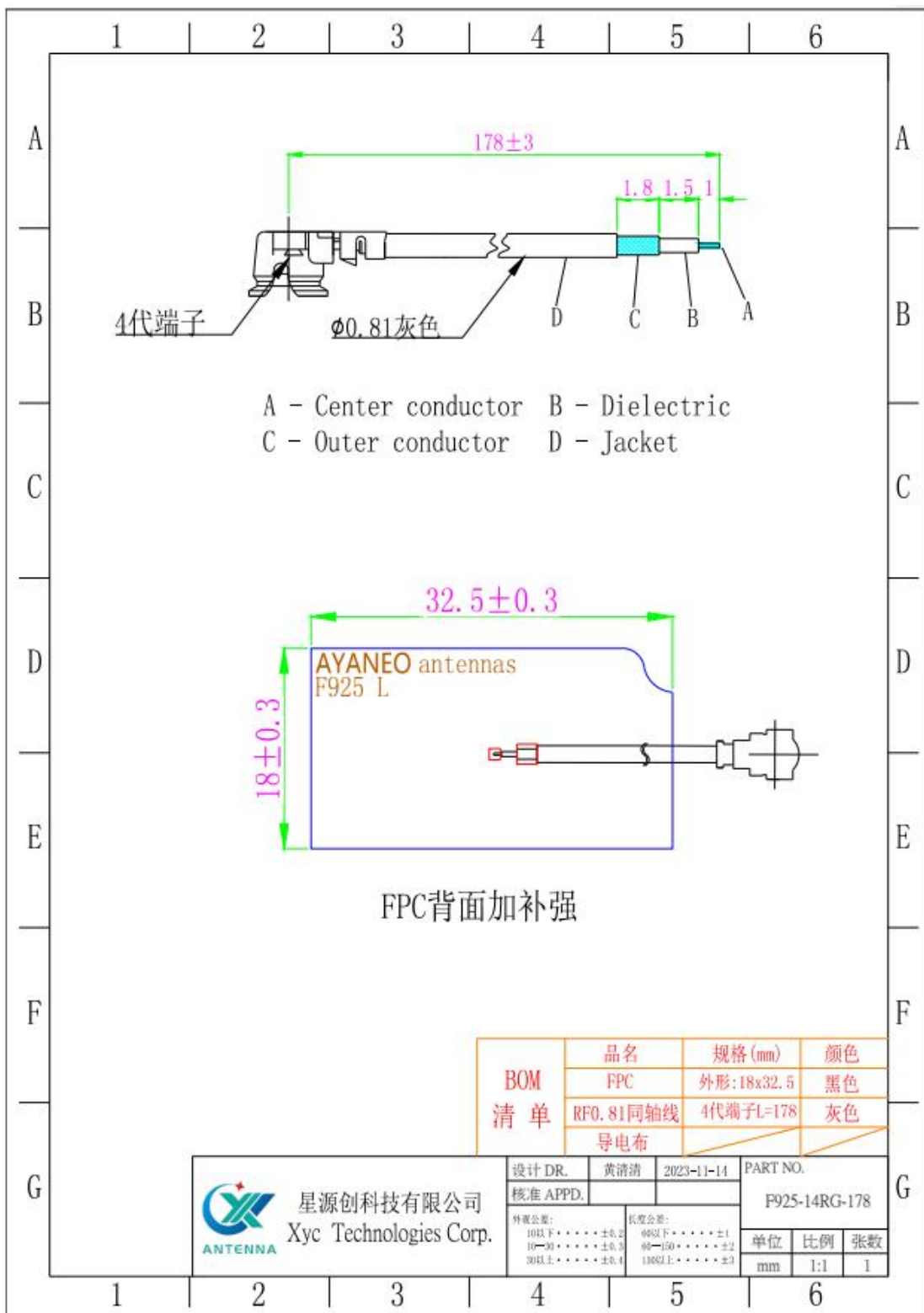


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Tel: 0755-82103639 QQ: 487580356 Email: Stephdeng\_Vis@126.com

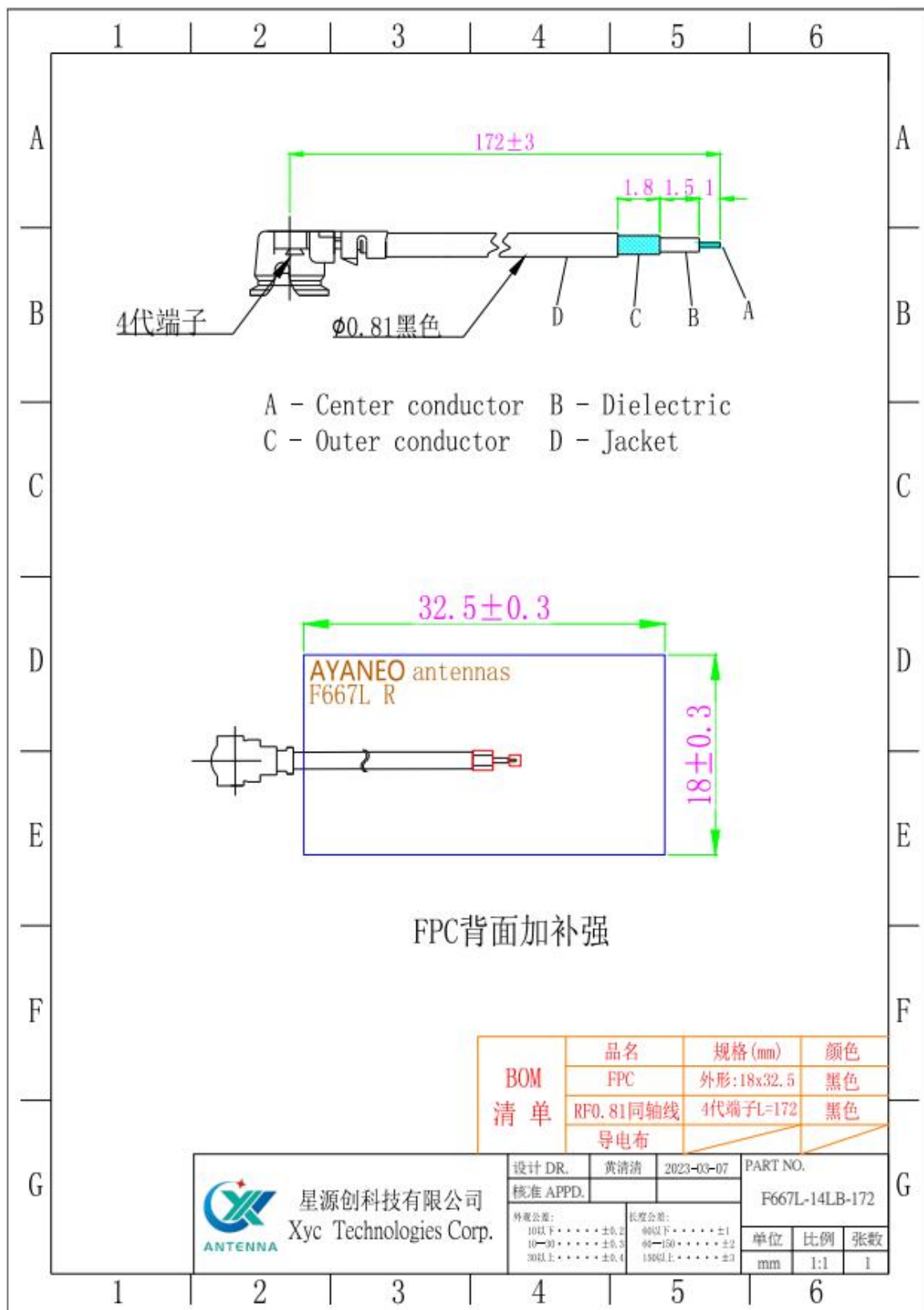
## Antenna Assembly





深圳星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

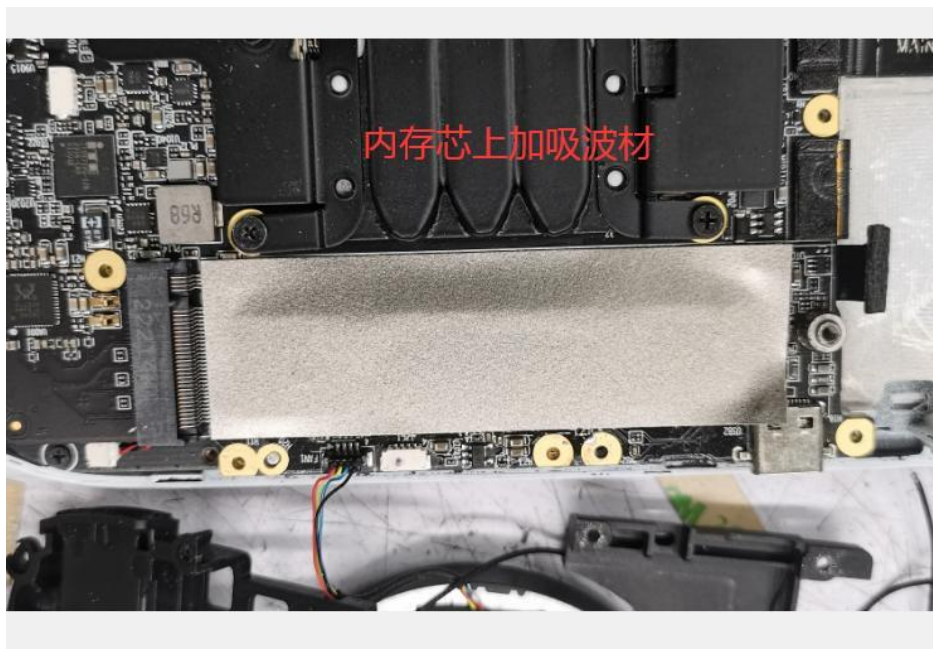


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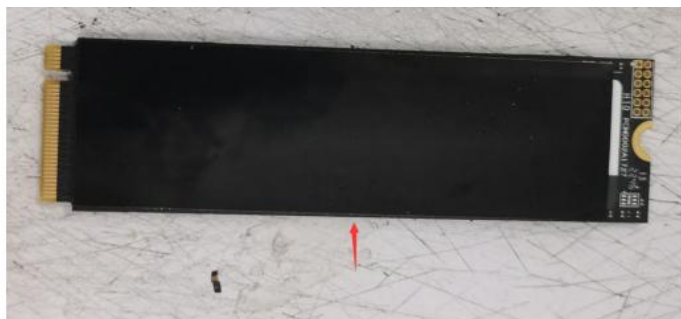
Address: 1506, Tangwei Business Building, Fuhai Street, Fuyong Town, Baoan District, Shenzhen

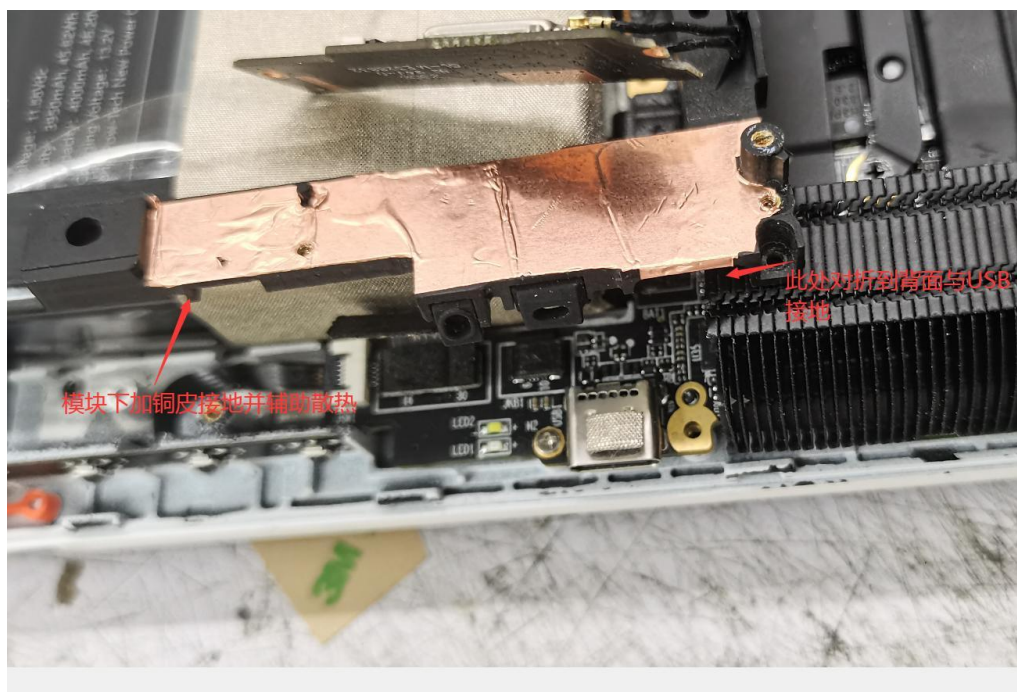
Tel: 0755-82103639 QQ: 487580356 Email: Stephdeng\_Vis@126.com

## Notes



SSD正反面  
加吸波材





电池屏蔽如图