

# Sample acknowledgment

project name : EX100

|               |          |          |          |
|---------------|----------|----------|----------|
| Chang<br>Feng | ME       | RF       | QC       |
| Signature     | LYQ      | WX       | LYQ      |
| date          | 20241024 | 20241024 | 20241024 |
| CUSTOMER      | ME       | MD       | QC       |
| Signature     |          |          |          |
| date          |          |          |          |

|                       |            |
|-----------------------|------------|
| Operation Frequency:↓ | Peak Gain↓ |
| 2402-2480MHz          | -1dBi      |

|                                                        |  |                               |                                              |
|--------------------------------------------------------|--|-------------------------------|----------------------------------------------|
| Project:EX100                                          |  | Write:<br>WX                  | file name:EX100Antenna sample admission book |
| Date : 20241024                                        |  |                               |                                              |
| Edition                                                |  | Examine and<br>Verify:<br>LCY |                                              |
| A                                                      |  |                               |                                              |
| NFIDENTIAL                                             |  |                               |                                              |
| Changfeng Electronics science and technology Co., Ltd. |  |                               |                                              |

|          |         |                   |
|----------|---------|-------------------|
| Date     | Edition | Condition         |
| 20241024 | A       | FPCAntenna sample |

**1 Summary .....1-1**

**2 Machine description..... 2-2**

**3 Debugging Settings ..... 3-3**

3.1 VSWR and Return Loss.....

3.2 TRP/TRS make use of Agilent8960(5515C) be living ETS 5m×4m×4m 3DTest inside in the dark room。.....

3.3 Matching Circuit Description.....

**4 Effective Radiated Power Summation (MAX)..... 4**

**5 Effective Isotopic Sensitivity Summation (MIN)..... 5**

**6 Structural assembly..... 6**

|                                                        |  |                               |                                              |
|--------------------------------------------------------|--|-------------------------------|----------------------------------------------|
| Project:EX100                                          |  | Write:<br>WX                  | file name:EX100Antenna sample admission book |
| Date : 20241024                                        |  |                               |                                              |
| Edition                                                |  | Examine and<br>Verify:<br>LCY |                                              |
| A                                                      |  |                               |                                              |
| <b>CONFIDENTIAL</b>                                    |  |                               |                                              |
| Changfeng Electronics science and technology Co., Ltd. |  |                               |                                              |

1 Summary

This report is mainly used to describe the EX 100 antenna admission letter.

2 Machine description

EX 100network mode is BT, the BT antenna is at the top of the device, in PIFA form; the antenna is FPC antenna.

3Debugging Settings

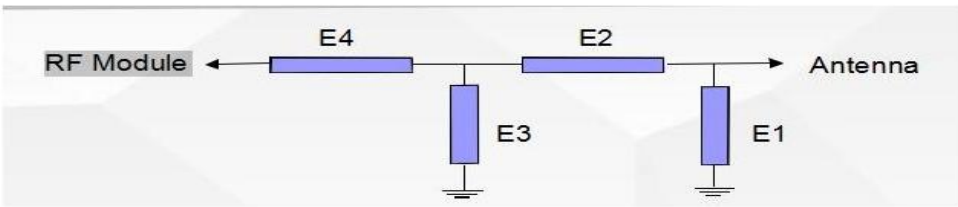
3.VSWR and Return Loss

VSWR Is tested using the Agilent E5062B connected to the hand mechanism, the state is free space。

3.2 The TRP / TRS was tested using the Agilent8960 (5515C) in the ETS 5m 4m 3m 3D dark chamber。

3.3Matching Circuit Description

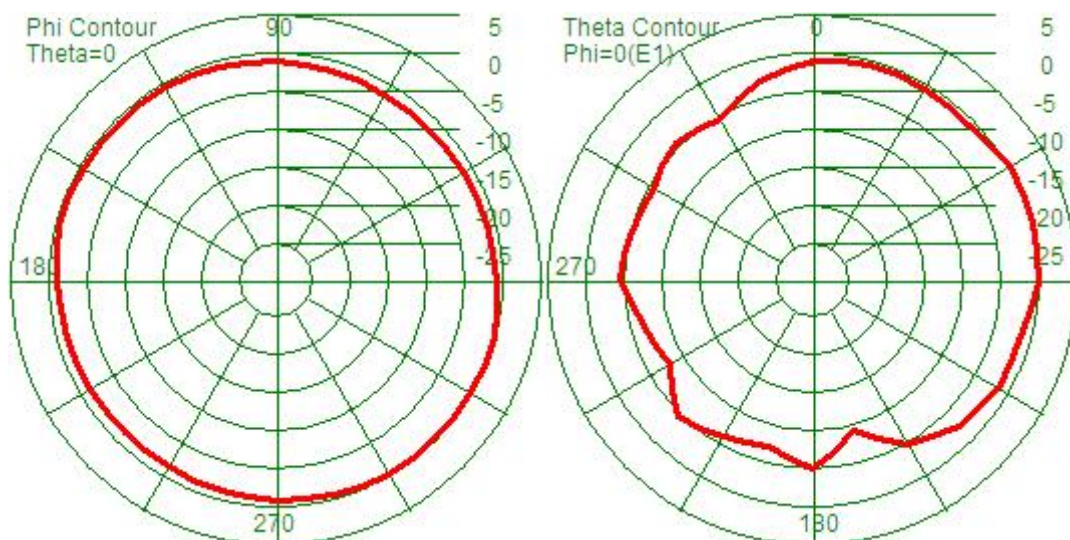
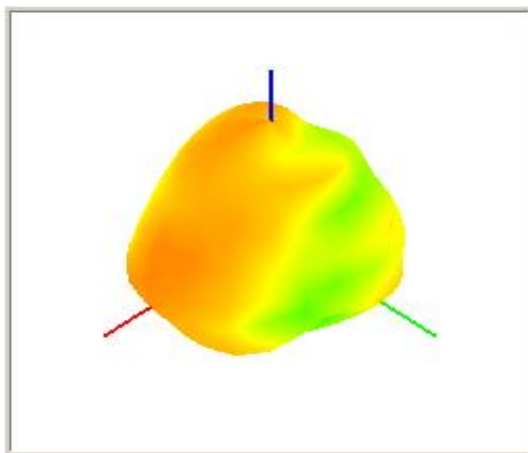
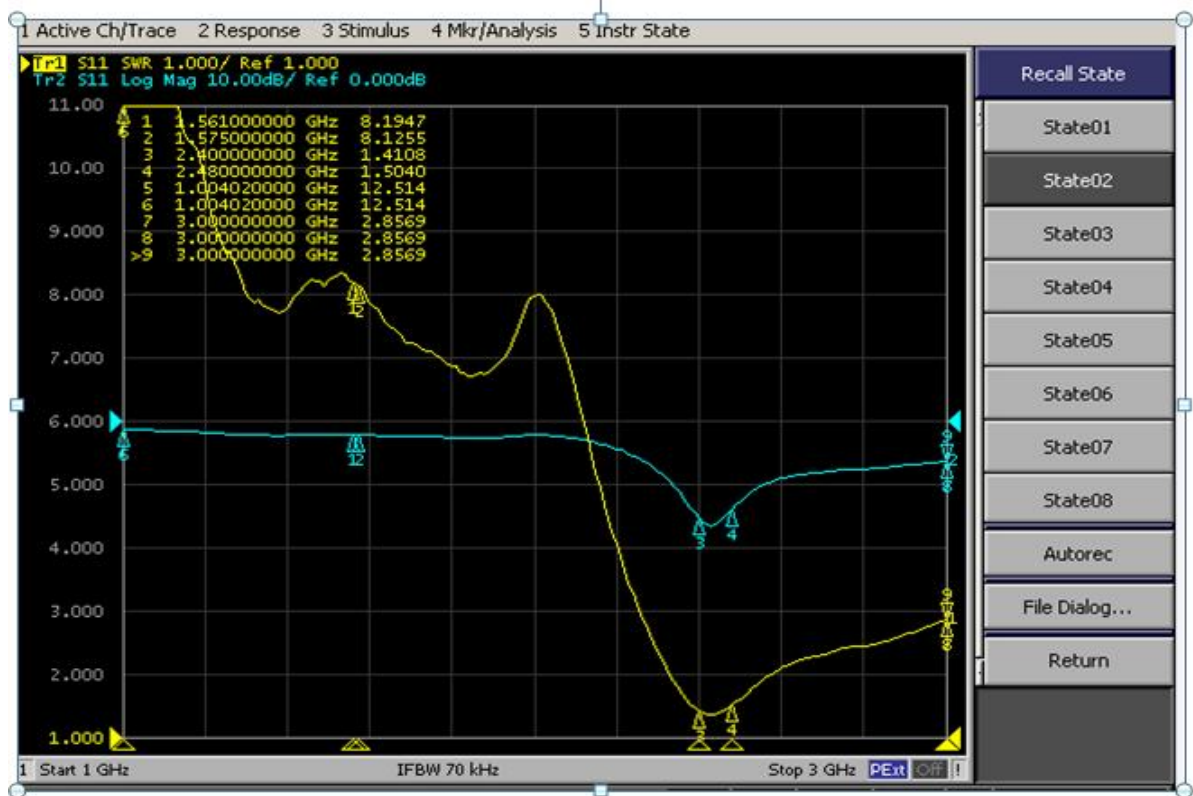
Match has not changed



|    |  | Element  | Value |                                                                 |
|----|--|----------|-------|-----------------------------------------------------------------|
| BT |  | E1(0402) |       | Press the motherboard original matching circuit is not modified |
|    |  | E2(0402) |       |                                                                 |
|    |  | E3(0402) |       |                                                                 |
|    |  | E4(0402) |       |                                                                 |

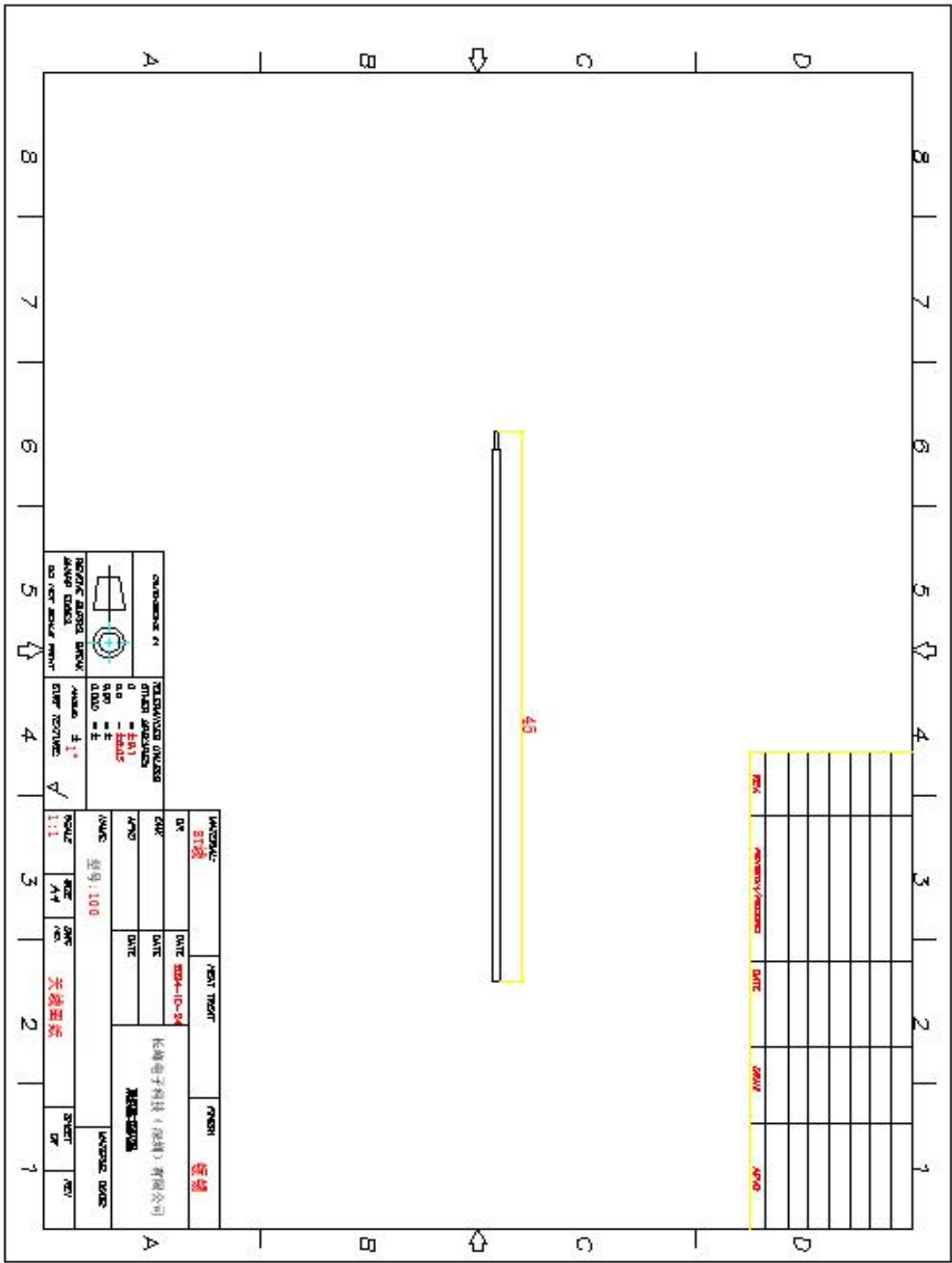
4 Effective Radiated Power And Isotopic Sensitivity Summation

|                                                        |  |                              |                                              |
|--------------------------------------------------------|--|------------------------------|----------------------------------------------|
| Project:EX100                                          |  | Write:<br>WX                 | file name:EX100Antenna sample admission book |
| Date : 20241024                                        |  |                              |                                              |
| Edition                                                |  | Examine and<br>erify:<br>LCY |                                              |
| A                                                      |  |                              |                                              |
| NFIDENTIAL                                             |  |                              |                                              |
| Changfeng Electronics science and technology Co., Ltd. |  |                              |                                              |



|                                                        |  |                |                                              |
|--------------------------------------------------------|--|----------------|----------------------------------------------|
| Project:EX100                                          |  | Write:<br>WX   | file name:EX100Antenna sample admission book |
| Date : 20241024                                        |  |                |                                              |
| Edition                                                |  | Examine and    |                                              |
| A                                                      |  | Verify:<br>LCY |                                              |
| NFIDENTIAL                                             |  |                |                                              |
| Changfeng Electronics science and technology Co., Ltd. |  |                |                                              |

5 Structure assembly diagram



|                                                        |  |                               |                                              |
|--------------------------------------------------------|--|-------------------------------|----------------------------------------------|
| Project:EX100                                          |  | Write:<br>WX                  | file name:EX100Antenna sample admission book |
| Date : 20241024                                        |  |                               |                                              |
| Edition                                                |  | Examine and<br>Verify:<br>LCY |                                              |
| A                                                      |  |                               |                                              |
| NFIDENTIAL                                             |  |                               |                                              |
| Changfeng Electronics science and technology Co., Ltd. |  |                               |                                              |