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# Inverted F Antenna Specification

**Antenna Name: 8-core Enameled Wire (Wire Antenna)**

**Model: M3**

**MAX. Gain:-0.7dBi**

**Manufacturer: Changfeng Electronic Technology (Shenzhen) Co., Ltd.**

**Location: 460, Block C, Tongdahui Xuan, northeast side of Longguan East Road and Yucui Road, Yucui Community, Longhua Subdistrict, Longhua District, Shenzhen**

|                                                        |  |                                     |                                              |
|--------------------------------------------------------|--|-------------------------------------|----------------------------------------------|
| Project:EX100                                          |  | Write:<br>WX                        | file name:EX100Antenna sample admission book |
| Date : 20241024                                        |  |                                     |                                              |
| Edition                                                |  | Examine        and<br>erify:<br>LCY |                                              |
| A                                                      |  |                                     |                                              |
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|          |         |              |
|----------|---------|--------------|
| Date     | Edition | Condition    |
| 20241024 | A       | Wire Antenna |

|                                                                                                                |            |
|----------------------------------------------------------------------------------------------------------------|------------|
| <b>1 Summary .....</b>                                                                                         | <b>1-1</b> |
| <b>2 Machine description.....</b>                                                                              | <b>2-2</b> |
| <b>3 Debugging Settings .....</b>                                                                              | <b>3-3</b> |
| 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 .....                                                                         |            |
| <b>4 Effective Radiated Power Summation (MAX) .....</b>                                                        | <b>4</b>   |
| <b>5 Effective Isotopic Sensitivity Summation (MIN) .....</b>                                                  | <b>5</b>   |
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|                                                        |  |                                     |                                              |
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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

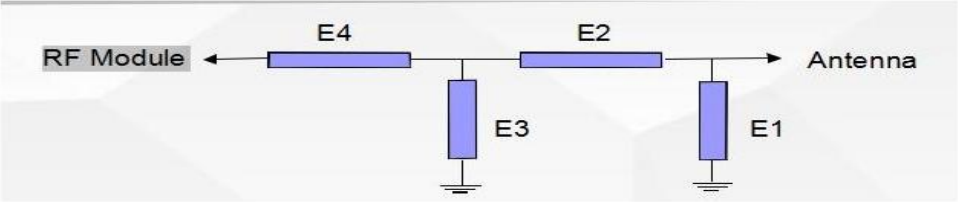
VSWR Is tested using the Agilent E5062B connected to the hand mechanism, the state is free space。

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

3.3Matching Circuit Description

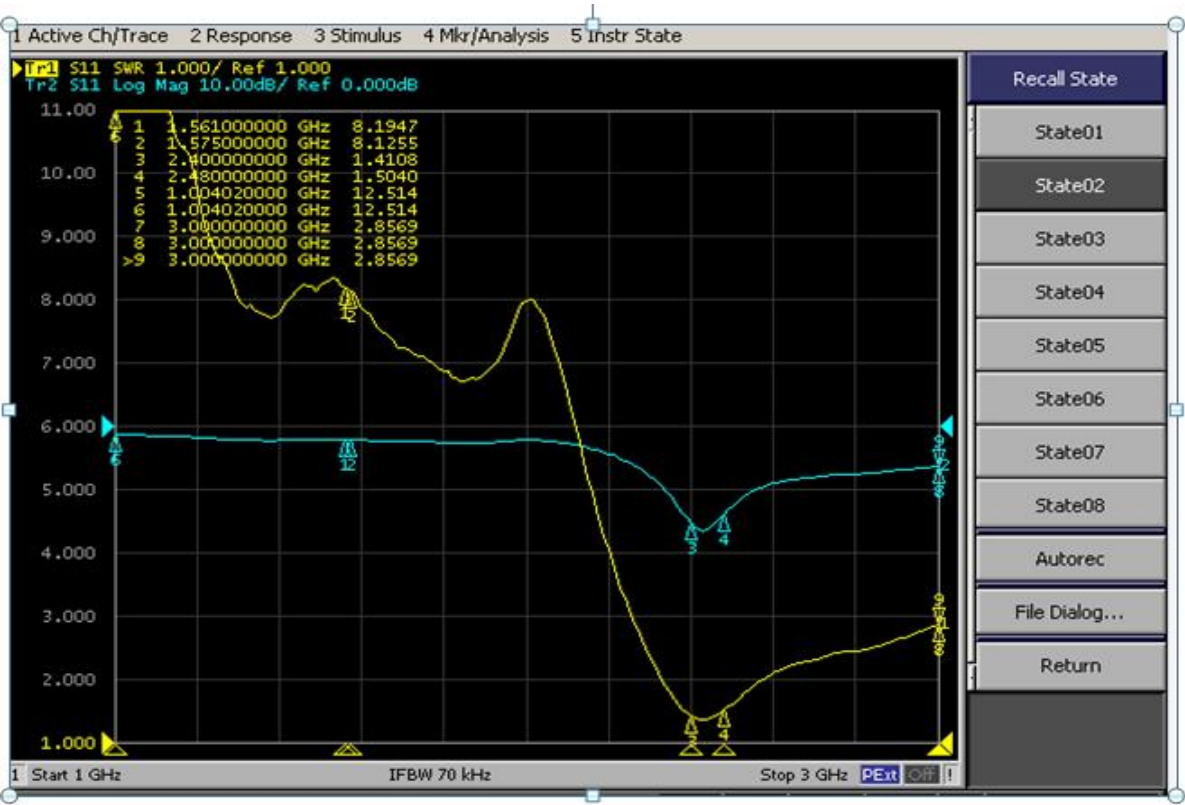
Match has not changed

|                                                        |  |                              |                                              |
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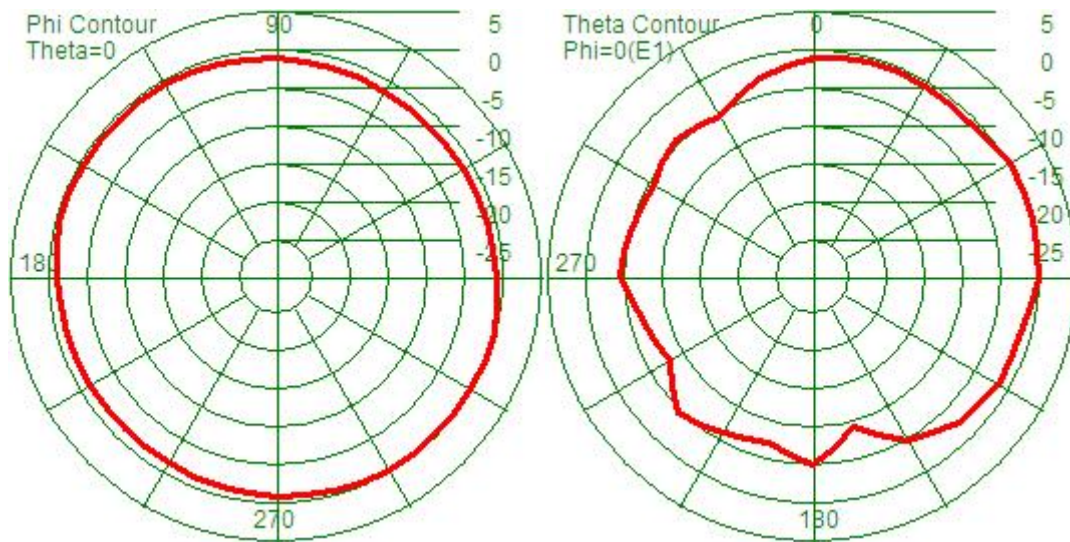
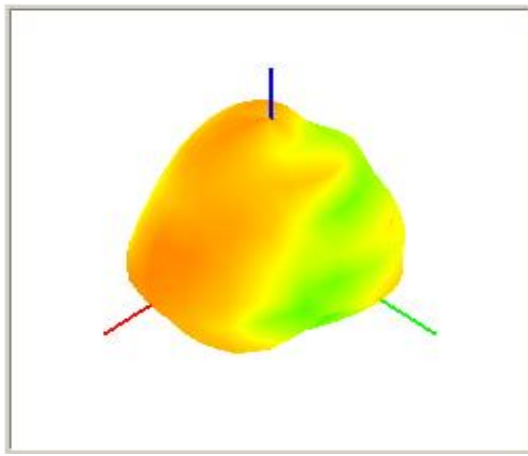


|    |  | Element  | Value |                                                                 |
|----|--|----------|-------|-----------------------------------------------------------------|
| BT |  | E1(0402) |       | Press the motherboard original matching circuit is not modified |
|    |  | E2(0402)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

4 Effective Radiated Power And Isotopic Sensitivity Summation



|                                                        |  |                               |                                              |
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## 5 Structure assembly diagram

|                                                        |  |                                          |                                              |
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|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 8 |  | 7 |  | 6 |  | 5 |  | 4 |  | 3 |  | 2 |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D |  | C |  | B |  | A |  | D |  | C |  | B |  | A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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