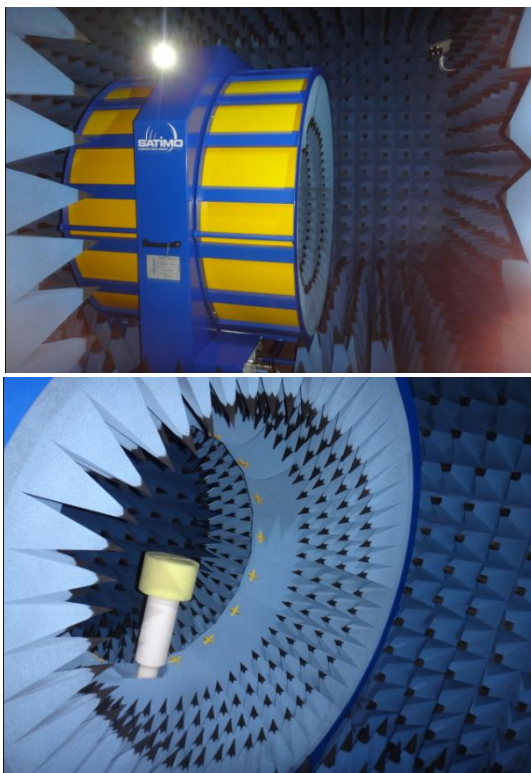


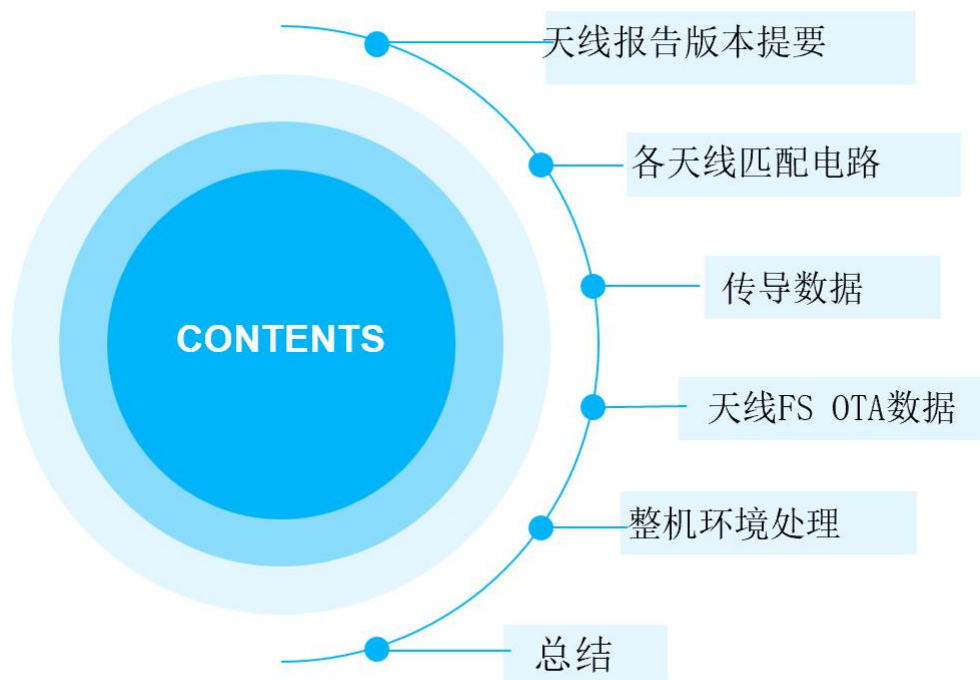
# Antenna Specification



|       |                                           |       |            |
|-------|-------------------------------------------|-------|------------|
| 客户名称  | 诚丰                                        | 项目名称  | P0679M     |
| 调试频段  | GSM900/1800, W1/5/8,<br>LTE:1/3/5/8/40/41 | 结构方式  | FPC        |
| 射频工程师 | 谢志雄                                       | 结构工程师 | 杜强         |
| 天线类型  | Loop                                      | 日期    | 2024-11-11 |



原装进口法国 SATIMO 公司 StarLab 3D 实验室, 能精确快速的测试手机、平板电脑和笔记本等通信终端产品的 TRP、TIS、效率、增益、苹果图、方向图等参数数据。

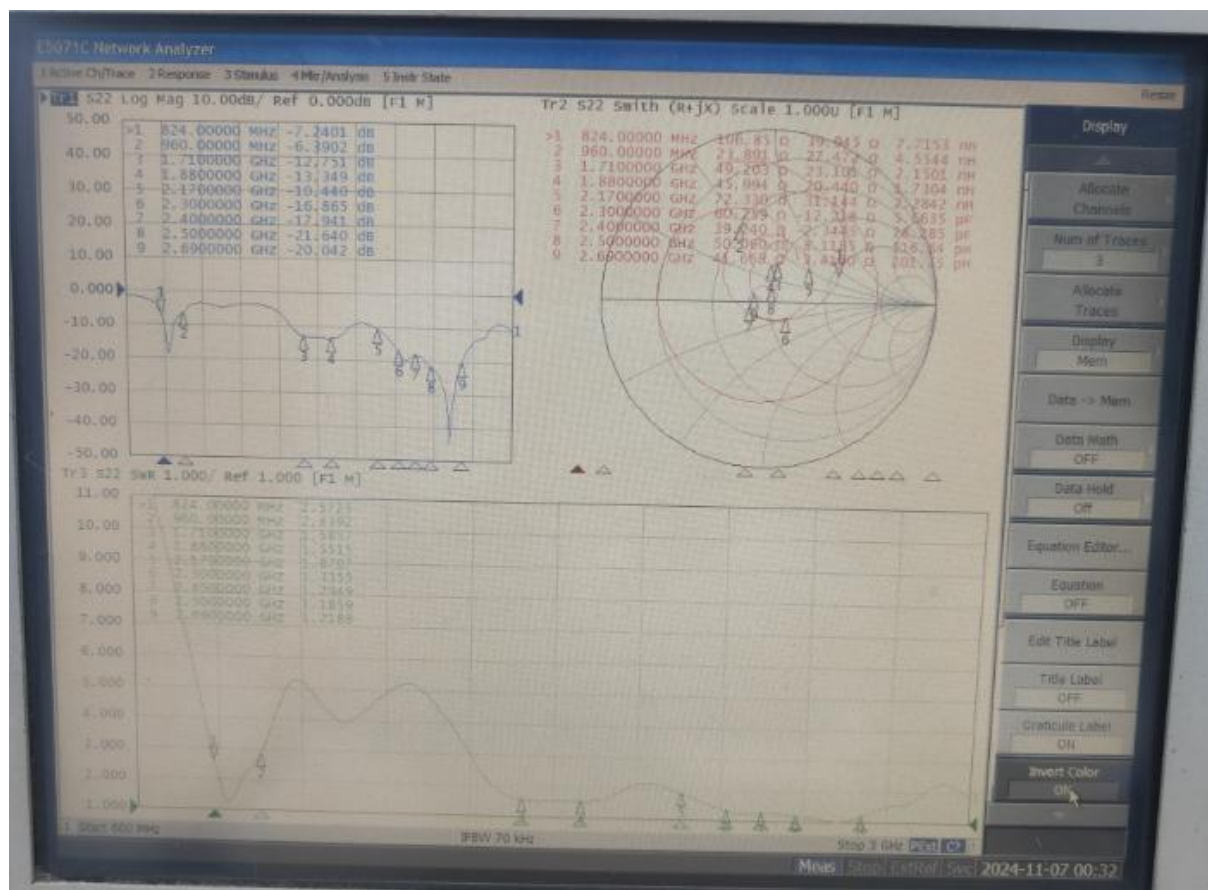


## Free Space OTA

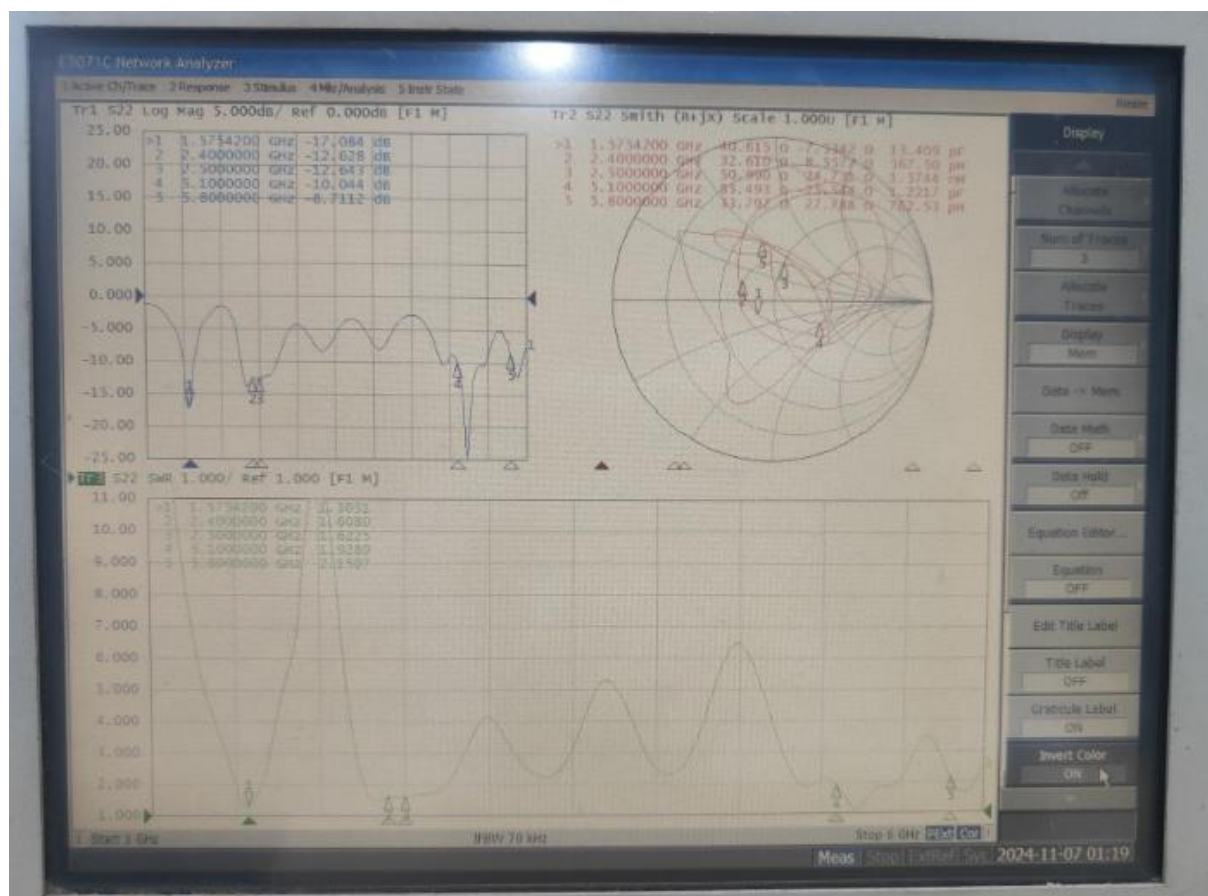
| Band               | Channel | TRP (dBm) | TIS (dBm) | Band               | Channel | TRP (dBm) | TIS (dBm) |
|--------------------|---------|-----------|-----------|--------------------|---------|-----------|-----------|
| GSM900             | L       | 25.5      |           | DCS1800            | L       | 25.2      |           |
|                    | M       | 26.0      |           |                    | M       | 25.5      |           |
|                    | H       | 26.2      | -101.5    |                    | H       | 25.6      | -103.5    |
| W850               | L       | 17.1      |           | W900               | L       | 17.5      |           |
|                    | M       | 16.8      |           |                    | M       | 17.2      |           |
|                    | H       | 16.7      | -104.5    |                    | H       | 17.0      | -104.1    |
| W2100              | L       | 17.0      |           | LTE-B1<br>(10MHZ)  | L       | 17.4      |           |
|                    | M       | 17.2      |           |                    | M       | 17.2      |           |
|                    | H       | 17.3      | -104.5    |                    | H       | 17.0      | -92.1     |
| LTE-B3<br>(10MHZ)  | L       | 17.5      |           | LTE-B5<br>(10MHZ)  | L       | 17.2      |           |
|                    | M       | 17.2      |           |                    | M       | 17.0      |           |
|                    | H       | 17.0      | -92.7     |                    | H       | 16.8      | -92.5     |
| LTE-B8<br>(10MHZ)  | L       | 17.5      |           | LTE-B40<br>(20MHZ) | L       | 17.4      |           |
|                    | M       | 17.2      |           |                    | M       | 17.1      |           |
|                    | H       | 16.7      | -92.3     |                    | H       | 17.0      | -91.0     |
| LTE-B41<br>(20MHZ) | L       | 17.6      |           |                    |         |           |           |
|                    | M       | 17.5      |           |                    |         |           |           |
|                    | H       | 17.2      | -90.2     |                    |         |           |           |

S11 参数

主天线



## 三合一天线

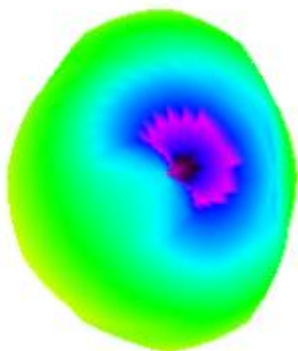


**Antenna Gain**

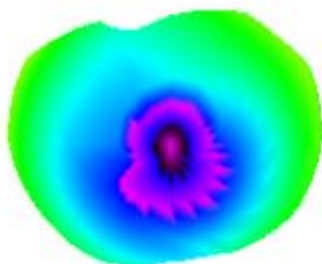
| Standard     | Band     | Frequency (MHZ) | Gain (dbi) |
|--------------|----------|-----------------|------------|
| LTE          | FDD-B1   | 1940            | -0.3       |
| LTE          | FDD-B3   | 1740            | 2.2        |
| LTE          | FDD-B5   | 870             | -5.1       |
| LTE          | FDD-B8   | 880             | -5.1       |
| LTE          | TDD-B40  | 2300            | -0.7       |
| LTE          | TDD-B41  | 2640            | 0.8        |
| WCDMA        | WCDMA-B1 | 1940            | -0.3       |
| WCDMA        | WCDMA-B5 | 870             | -5.1       |
| WCDMA        | WCDMA-B8 | 880             | -5.1       |
| GSM          | GSM 900  | 880             | -5.1       |
| GSM          | DCS 1800 | 1740            | 2.2        |
| GPS          |          | 1575            | -0.3       |
| 2.4G WiFi/BT |          | 2480            | -1.2       |
| 5G WiFi      | Band1    | 5200            | -2.5       |
| 5G WiFi      | Band2    | 5300            | -0.8       |
| 5G WiFi      | Band4    | 5800            | -3.4       |

## 苹果图

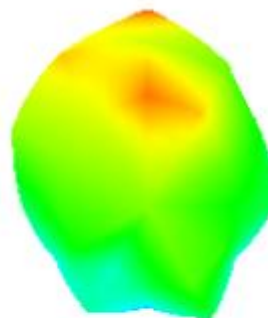
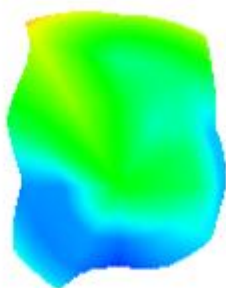
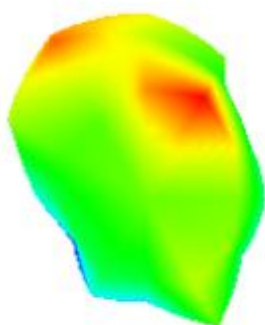
GPS



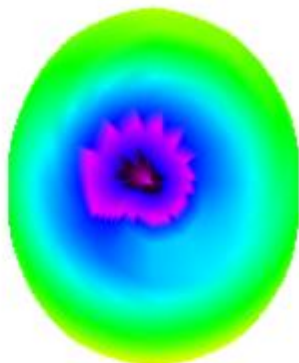
2.4GWIFI/BT



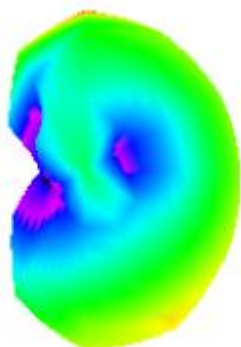
5G WIFI



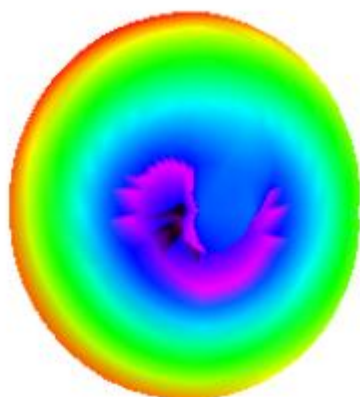
GSM900/W900/LTE-b8



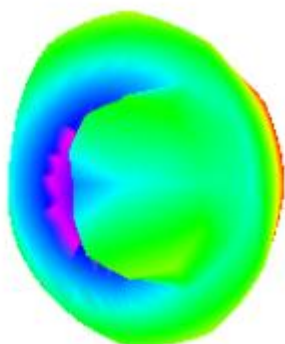
DCS1800/LTE-B3



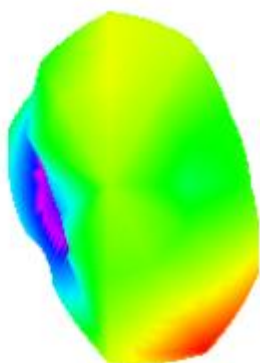
W850/LTE-B5



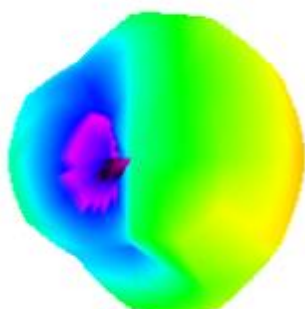
W2100/LTE-B1



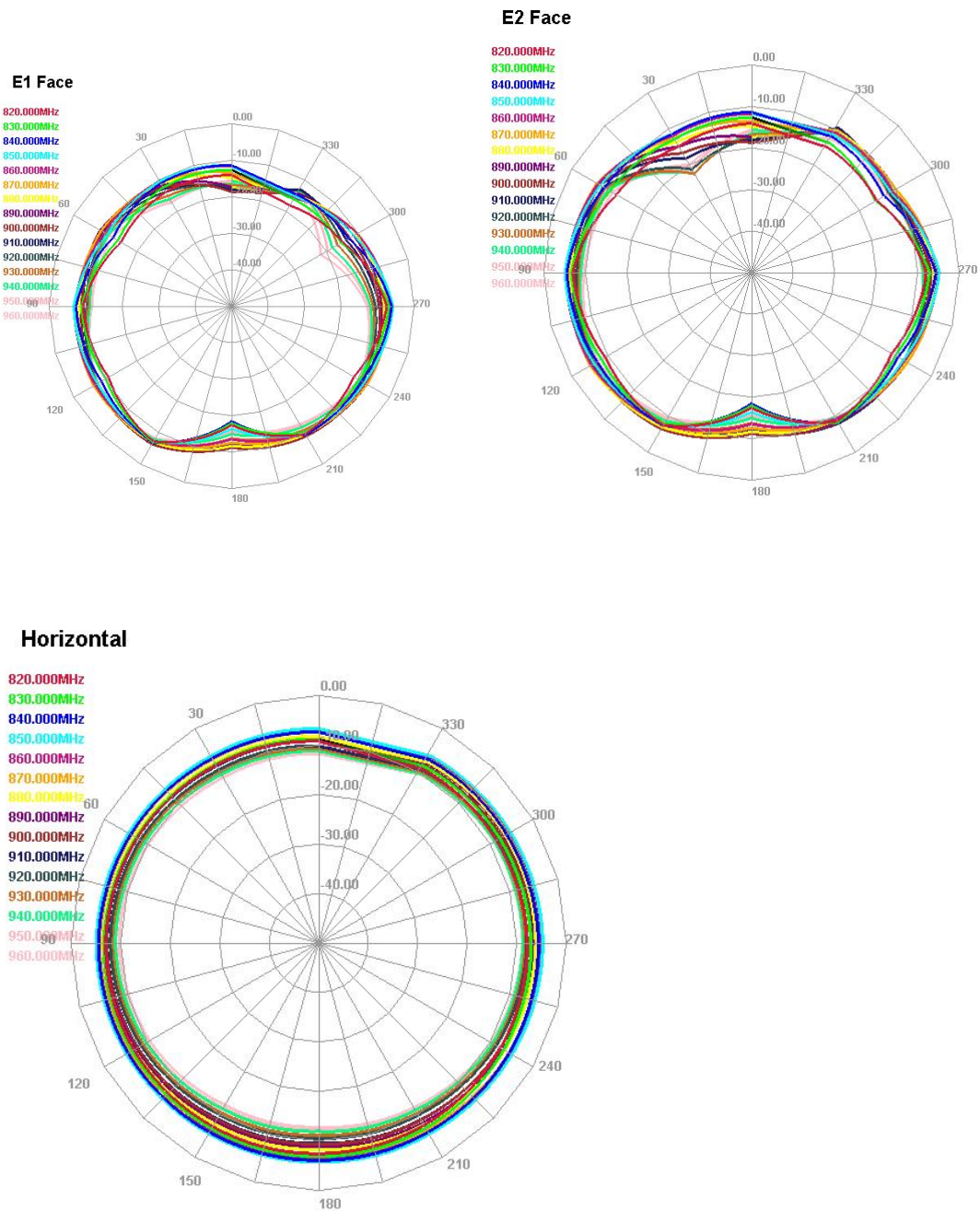
LTE-B40

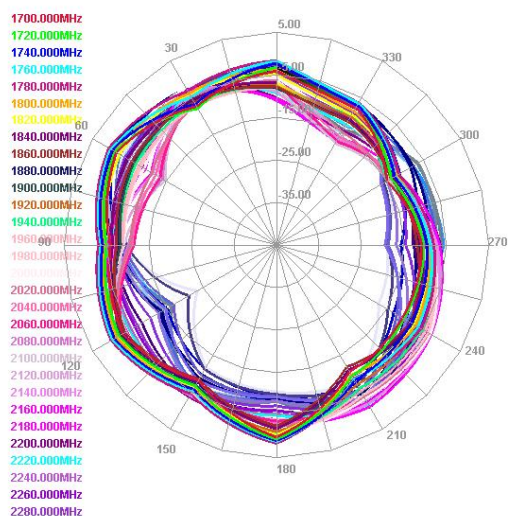
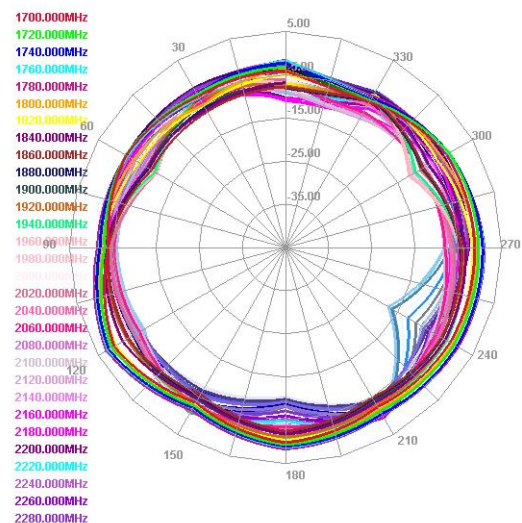
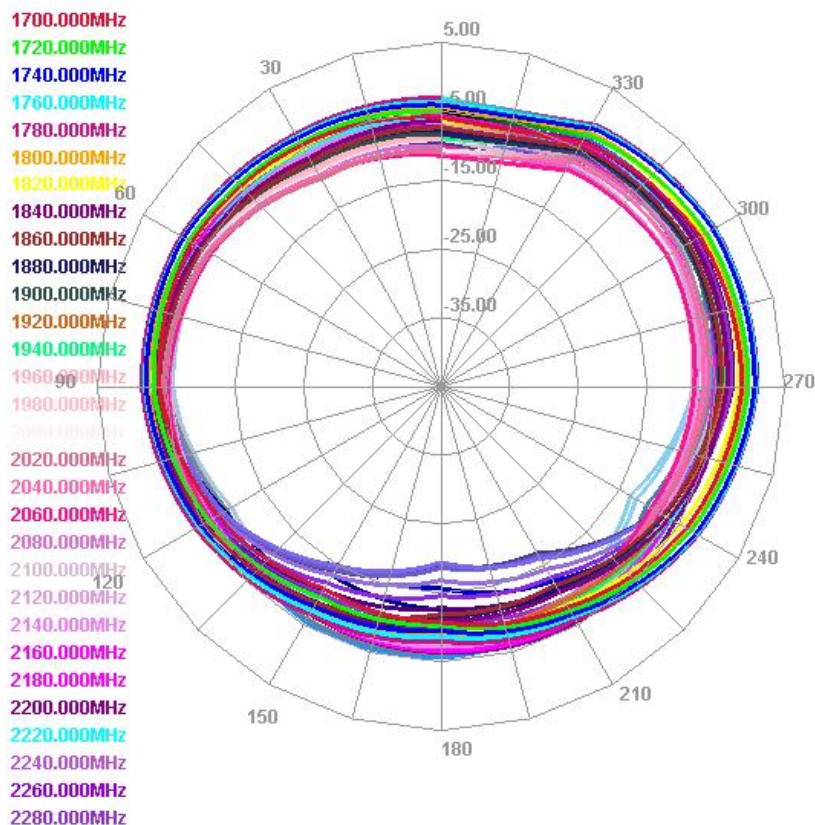


LTE-B41

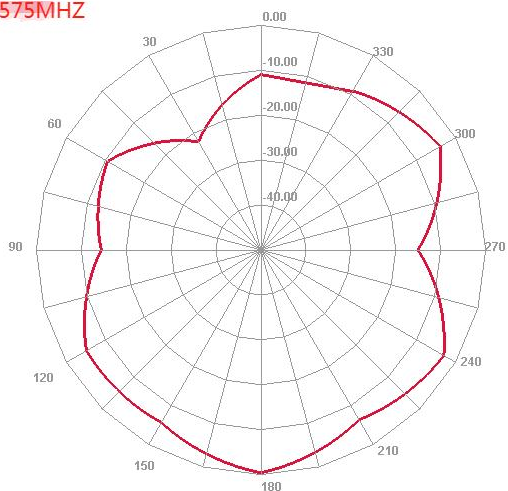
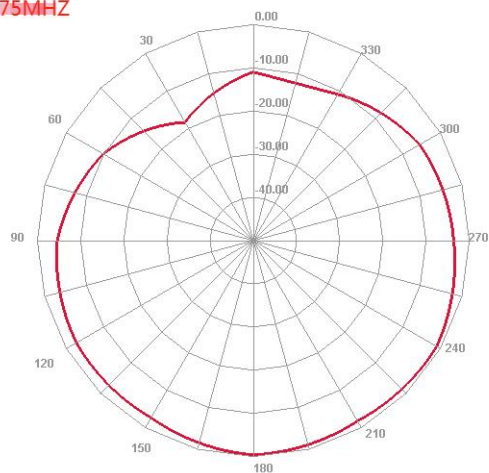
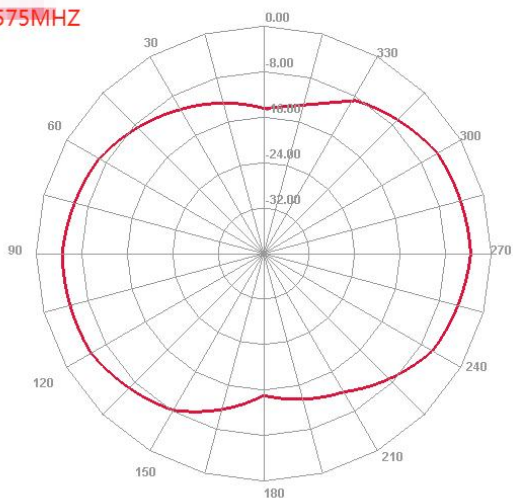


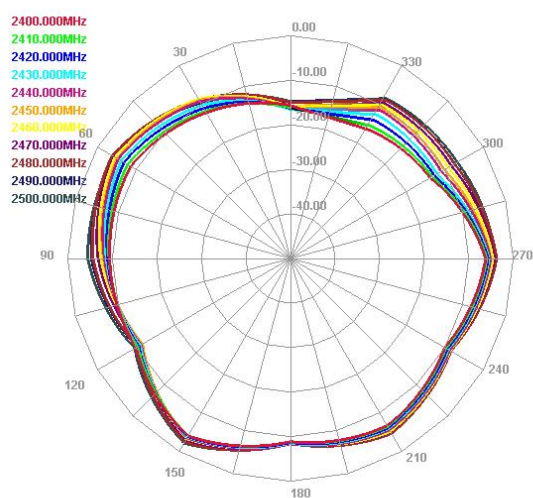
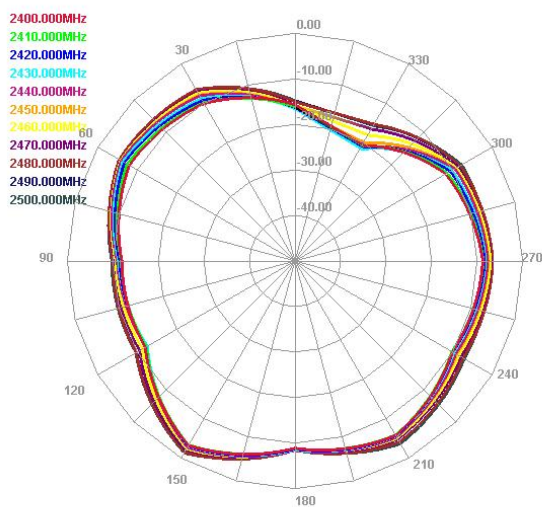
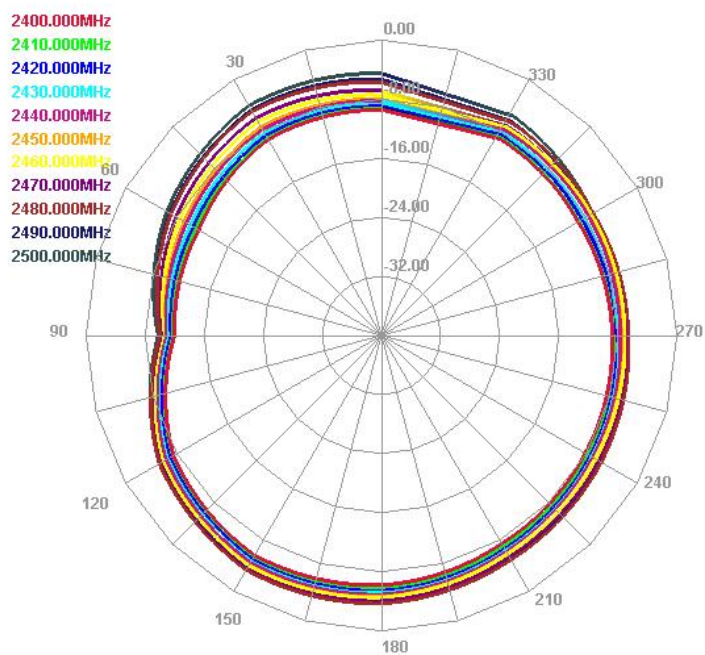
## 主天线方向图

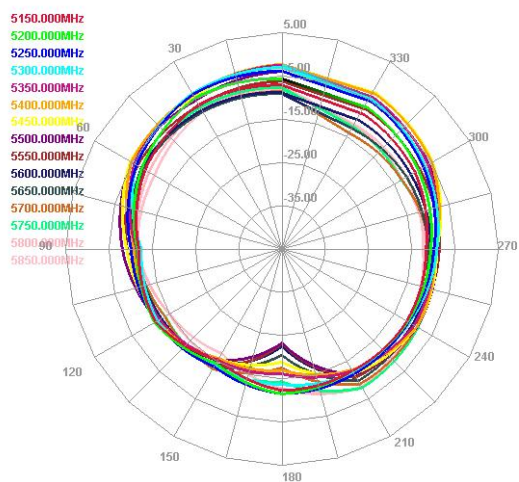
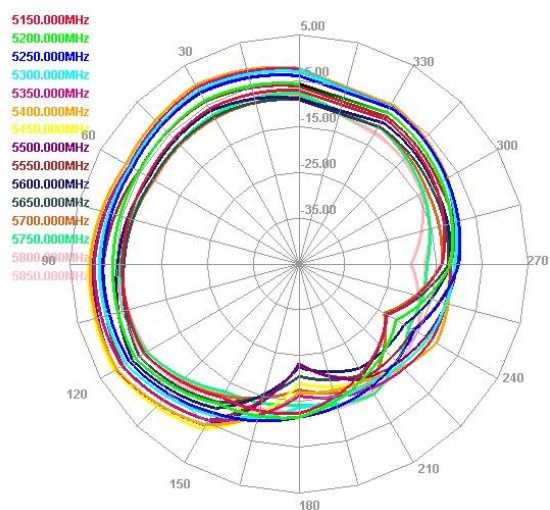


**E1 Face**

**E2 Face**

**Horizontal**


## 三合一天线方向图

**E1 Face**
**1575MHZ**

**E2 Face**
**1575MHZ**

**Horizontal**
**1575MHZ**


**E1 Face**

**E2 Face**

**Horizontal**


**E1 Face**

**E2 Face**

**Horizontal**
