

**ANT Communication Technology (Shenzhen) Co., LTD**

深圳市安特通讯科技有限公司

天线产品承认书  
**Antenna Specification**

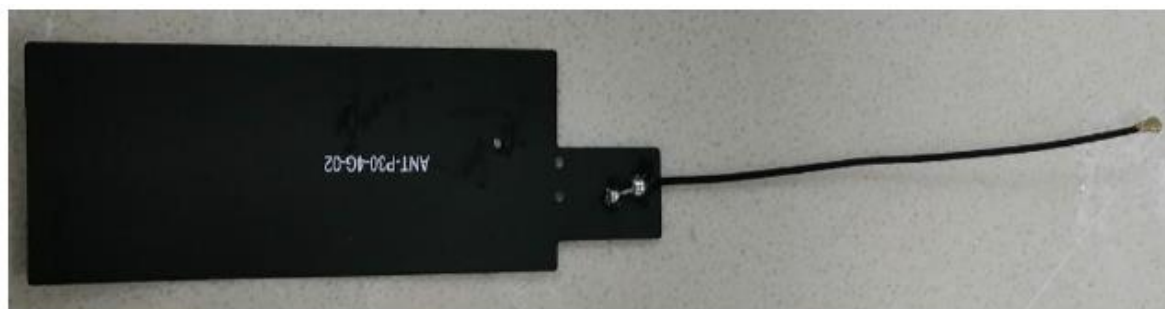
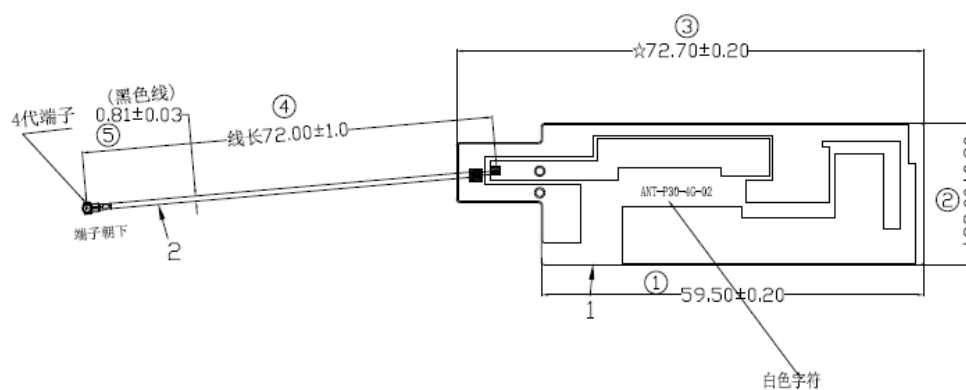
|                |                                             |
|----------------|---------------------------------------------|
| Customer name: | Wuhan Tianyu Information Industry Co., Ltd. |
| Project name:  | ANT052117IB58-02                            |
| Antenna band:  | GSM /WCDMA /LTE                             |
| Model name:    | ANT-P30-4G-02                               |

## 1、Test environment and equipment

系统品牌: MVG(SATIMO) 测量功能:增益、方向图波束宽度交叉极化分辨率旁瓣电平3D腔体反射率在任何极化的腔体反射率(直线或圆弧)天线效率  
TRP, TIS, EIRP和EIS. 频段:StarLab 650兆赫至6千兆赫



## 2、dimensions

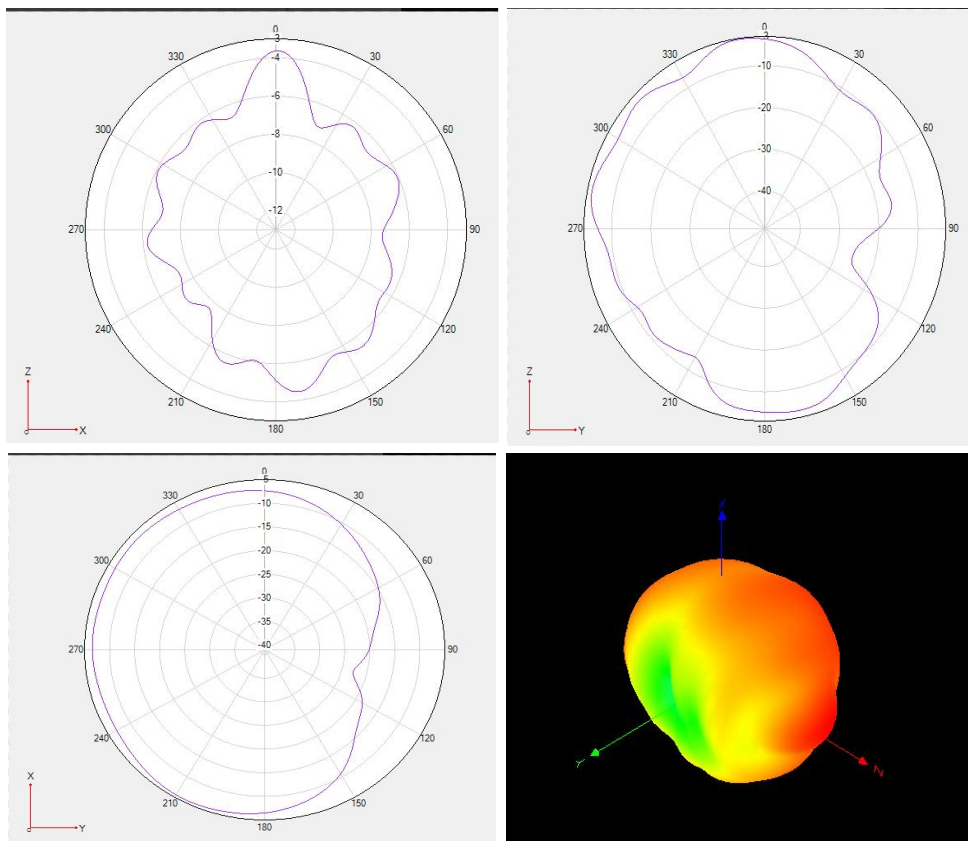


### 3、Antenna Gain

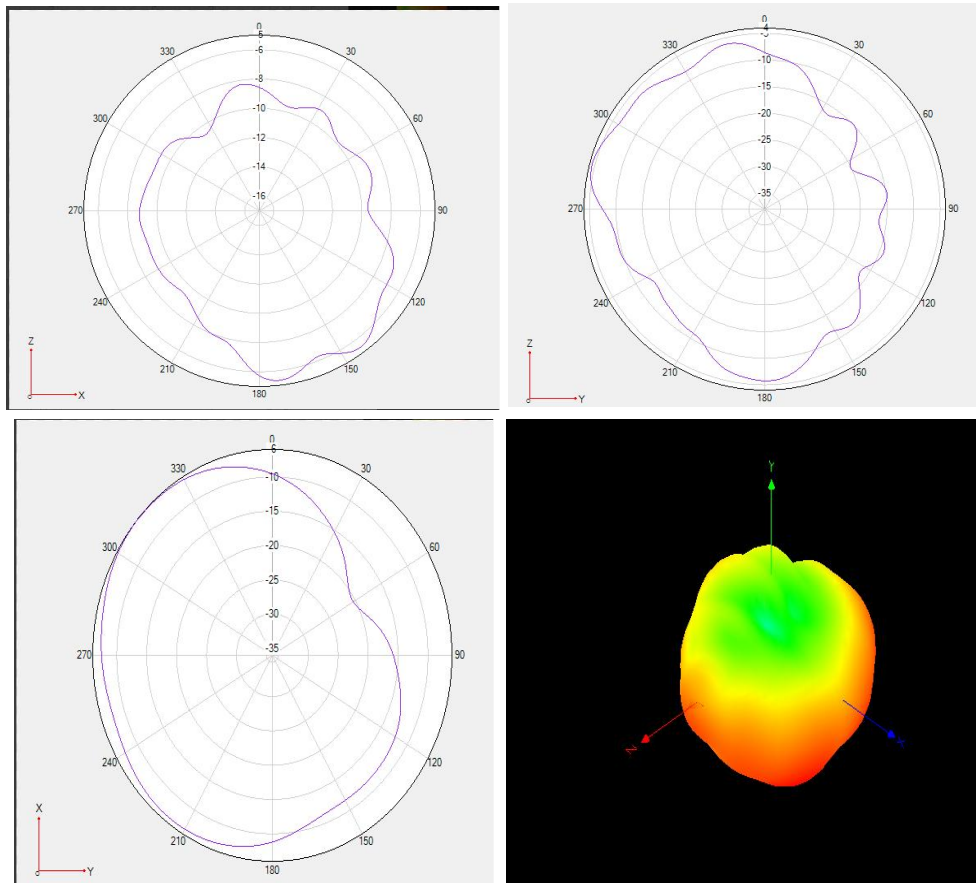
| 2G       | Frequency range | Effi % | Gaim dBi |
|----------|-----------------|--------|----------|
| GPRS850  | 824~894Mhz      | 27.42  | 0.51     |
| GPRS900  | 880~960Mhz      | 30.12  | -1.51    |
| GPRS1800 | 1710~1880Mhz    | 40.12  | 0.51     |
| GPRS1900 | 1850~1990Mhz    | 39.55  | 0.81     |
| 3G       |                 |        |          |
| WCDMA 1  | 1920~2170Mhz    | 40.12  | 0.81     |
| WCDMA 2  | 1850~1990Mhz    | 39.55  | 0.82     |
| WCDMA 5  | 824~894Mhz      | 27.42  | 0.52     |
| WCDMA 8  | 880~960Mhz      | 30.12  | -1.51    |
| 4G       |                 |        |          |
| LTE 1    | 1920~2170Mhz    | 40.12  | 0.81     |
| LTE 3    | 1710~1880Mhz    | 40.12  | 0.51     |
| LTE 5    | 824~894Mhz      | 27.42  | 0.50     |
| LTE 7    | 2500~2690Mhz    | 40.21  | 0.69     |
| LTE 8    | 880~960Mhz      | 30.12  | -1.51    |
| LTE 20   | 824~894Mhz      | 27.42  | 0.51     |
| LTE 28   | 708~798Mhz      | 33.09  | -1.12    |
| LTE 38   | 2570~2620Mhz    | 35.78  | 0.72     |
| LTE 40   | 2300~2400Mhz    | 40.75  | 0.71     |
| LTE 41   | 2496~2690Mhz    | 40.34  | 0.91     |

## 4、Antenna pattern

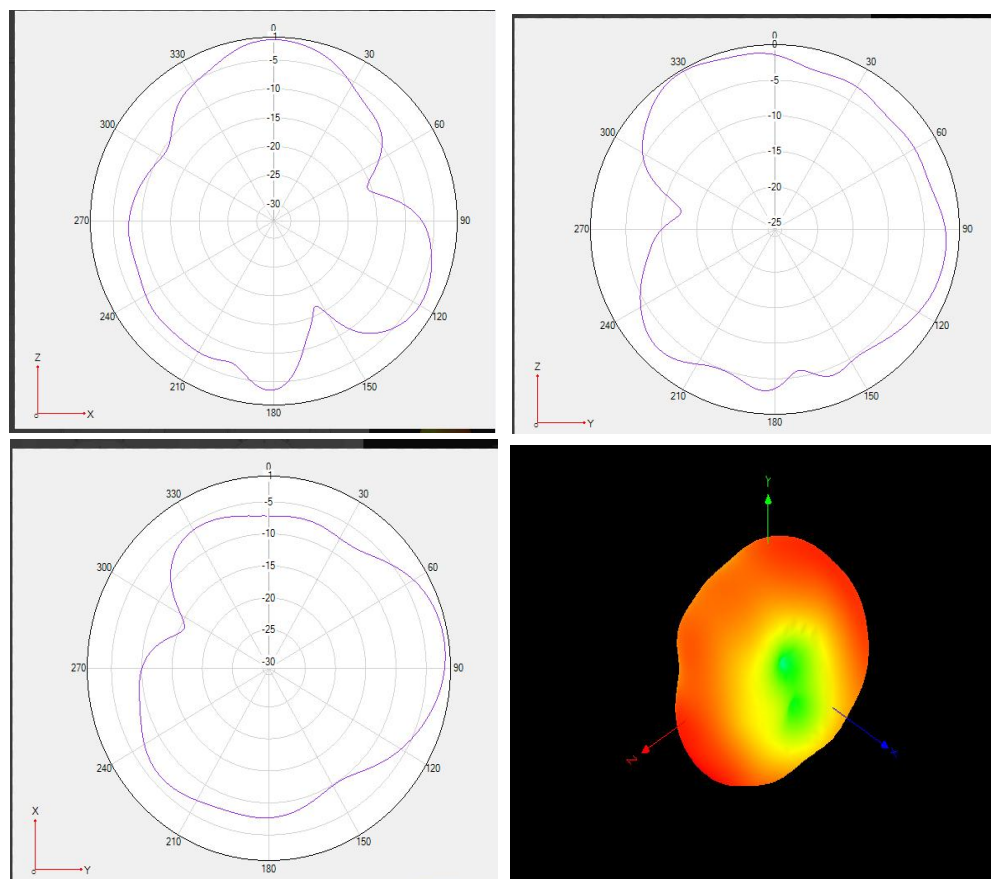
GPRS 850



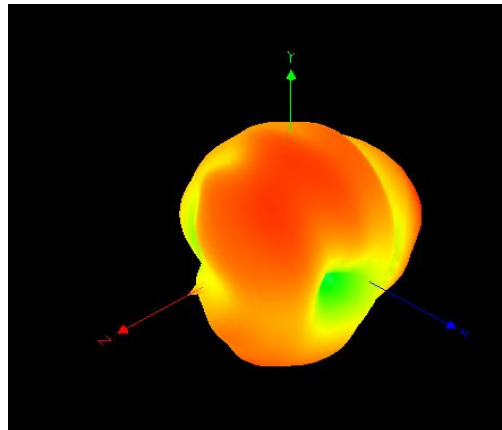
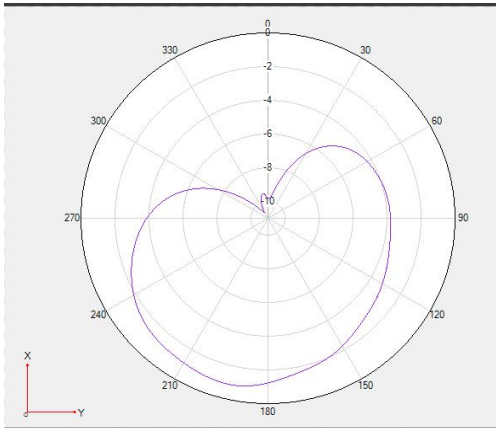
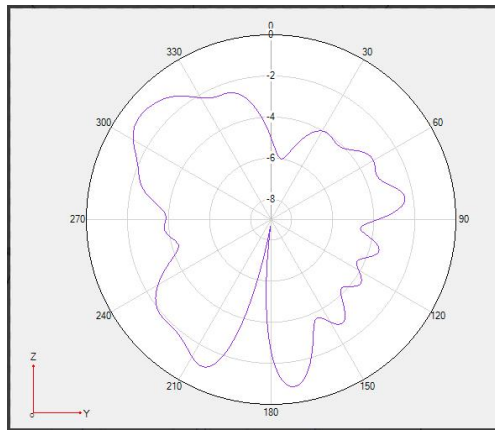
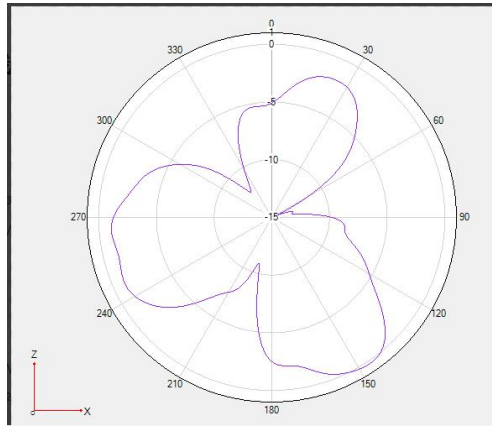
GPRS 900



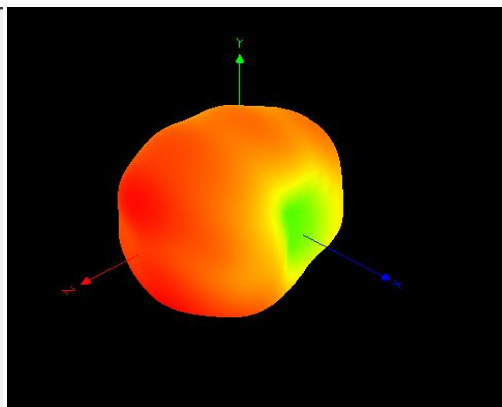
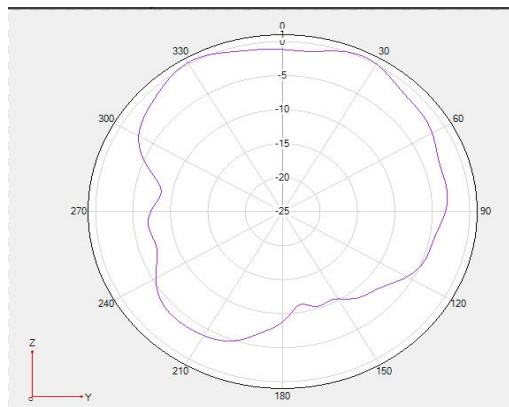
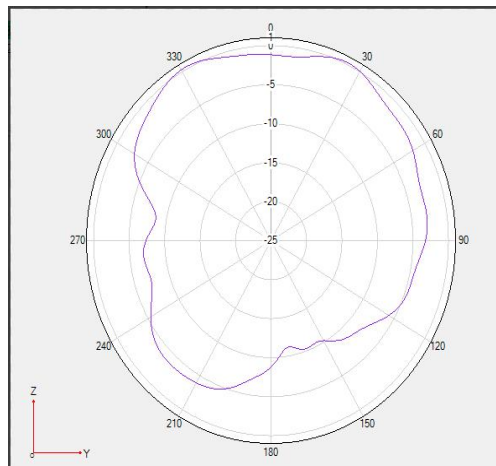
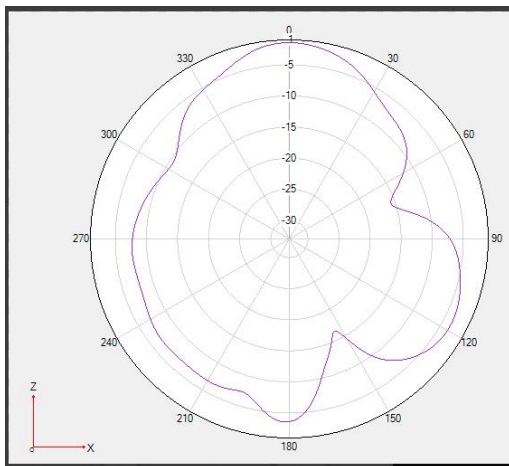
GPRS 1800



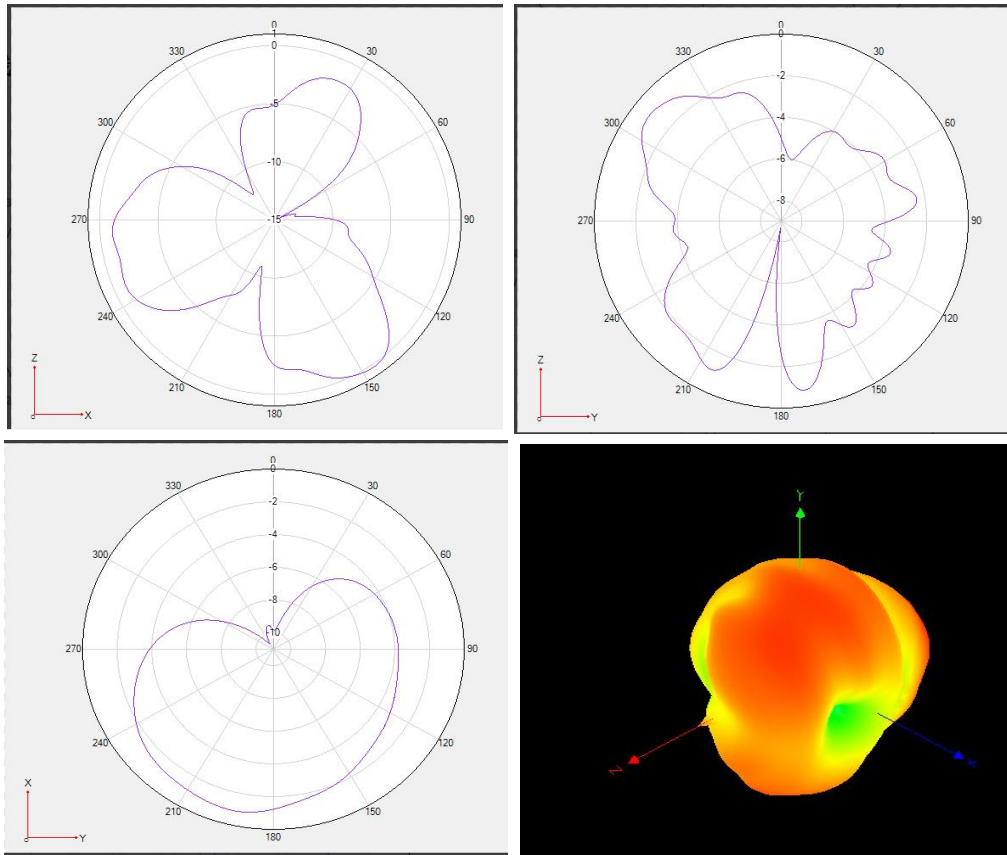
GPRS1900



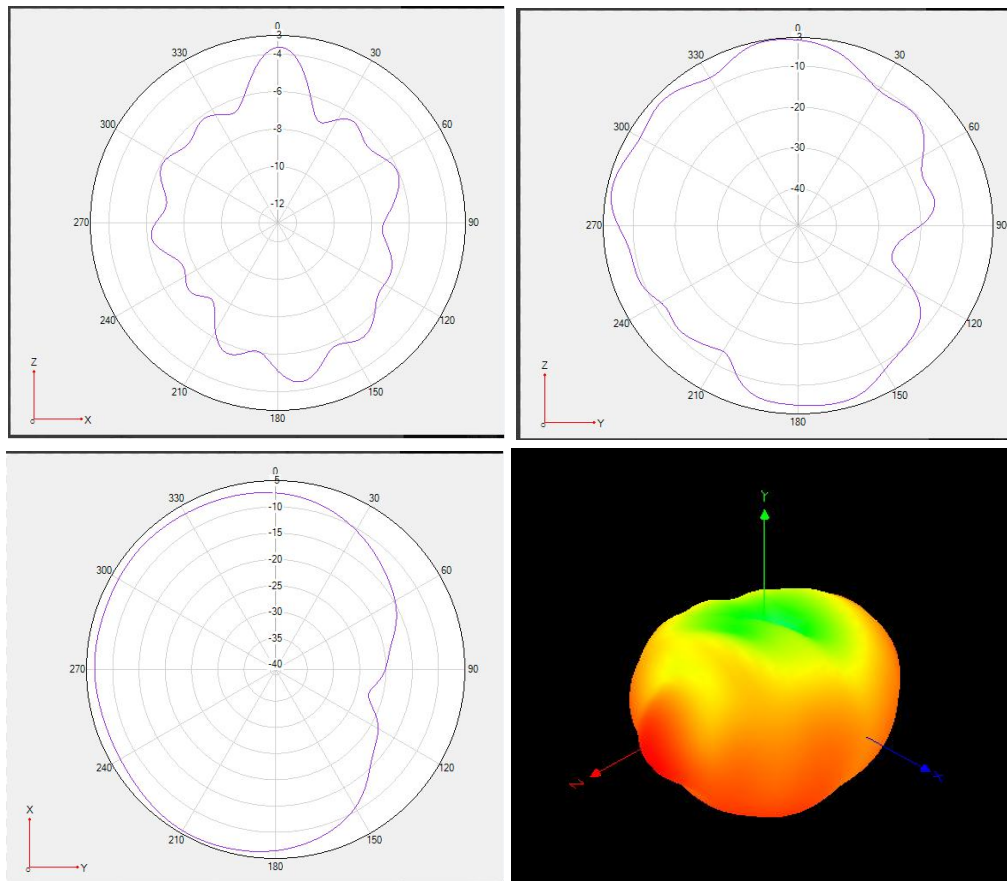
WCDMA 1



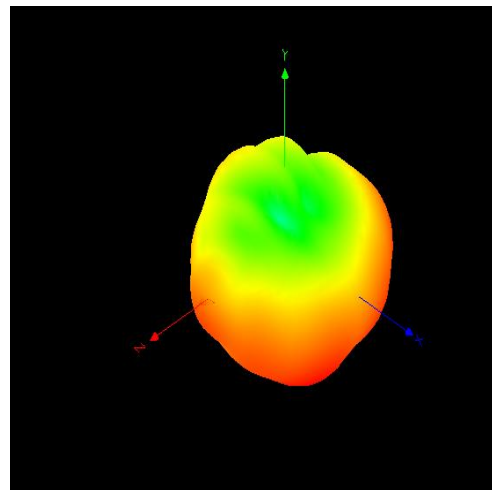
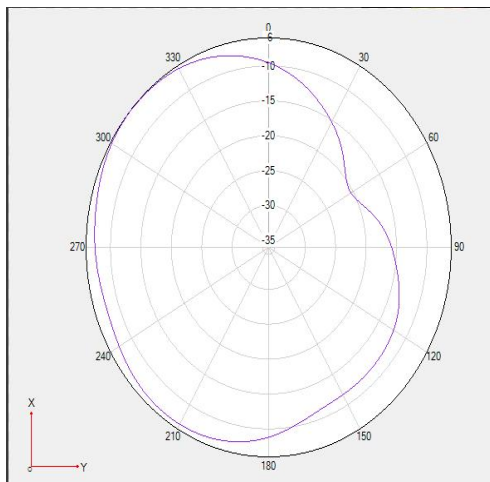
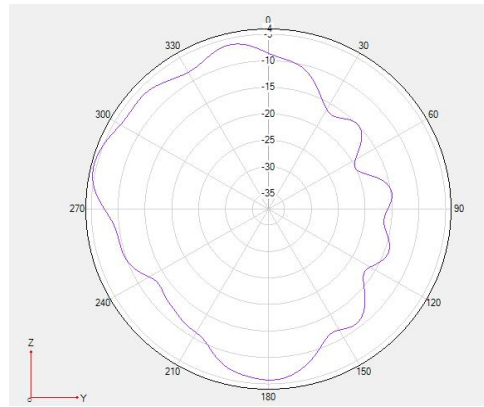
WCDMA 2



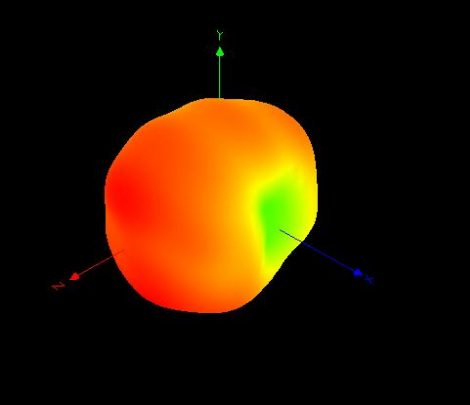
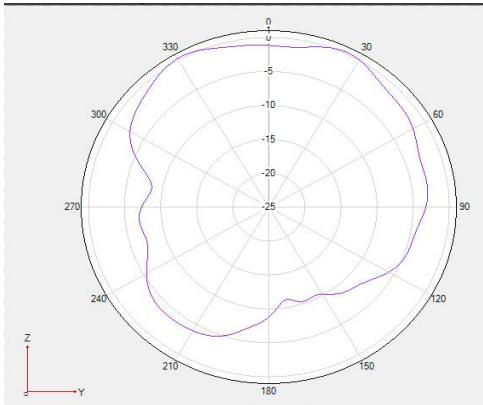
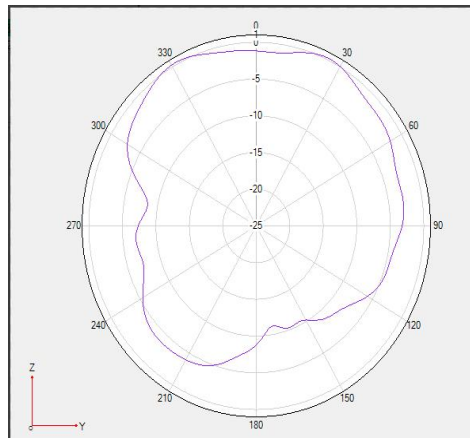
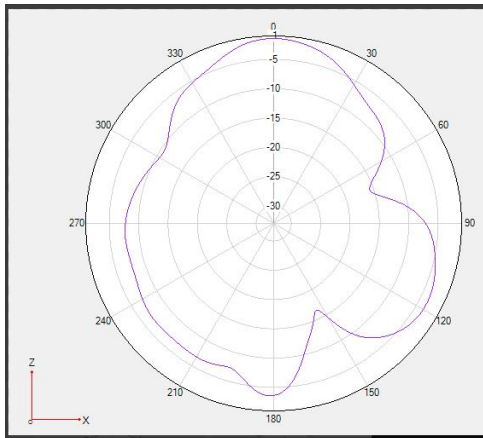
WCDMA 5



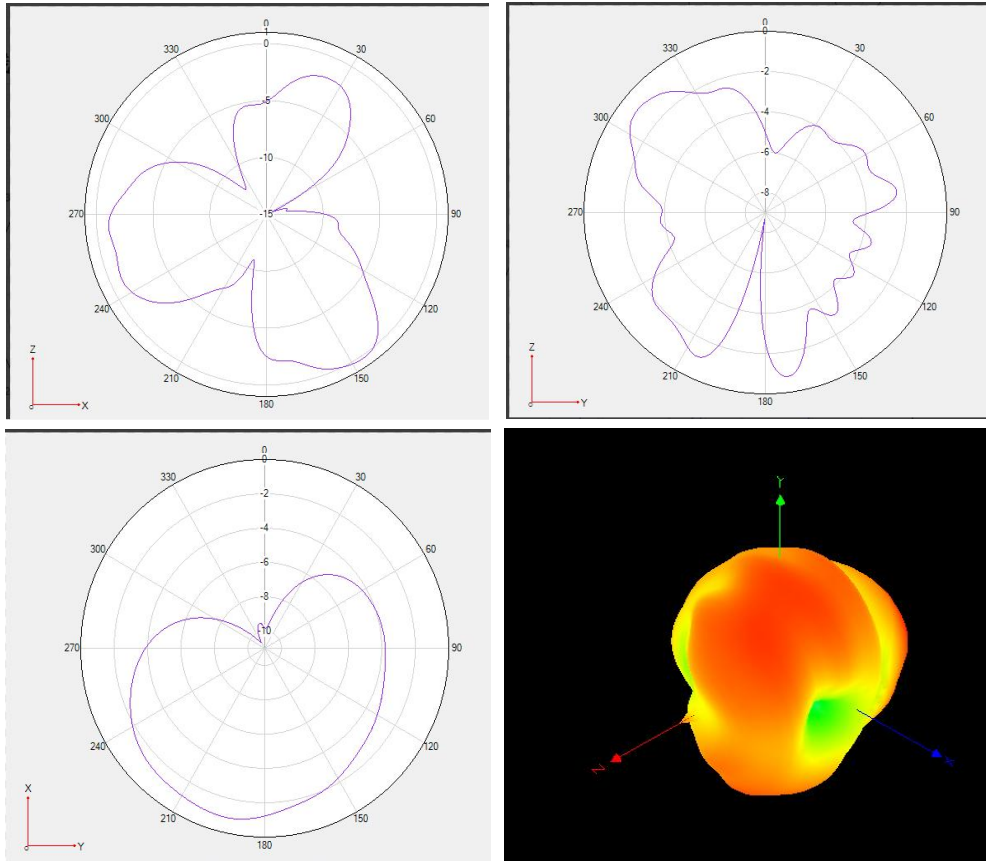
WCDMA 8



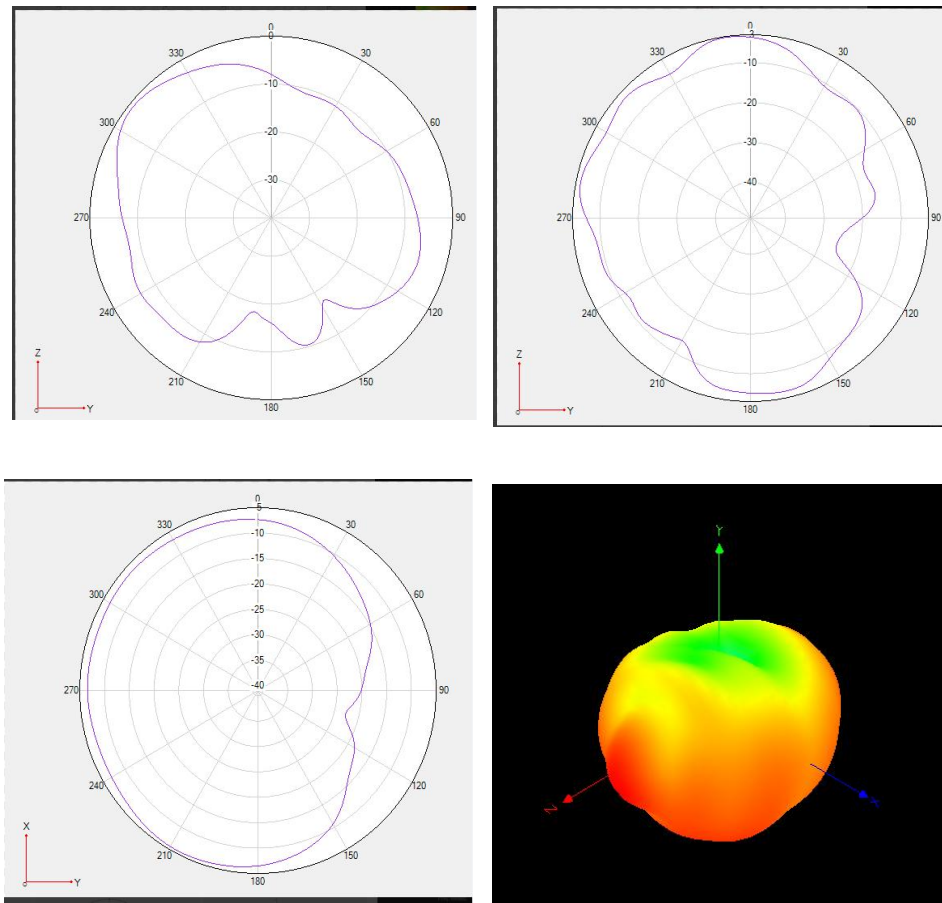
LTE 1



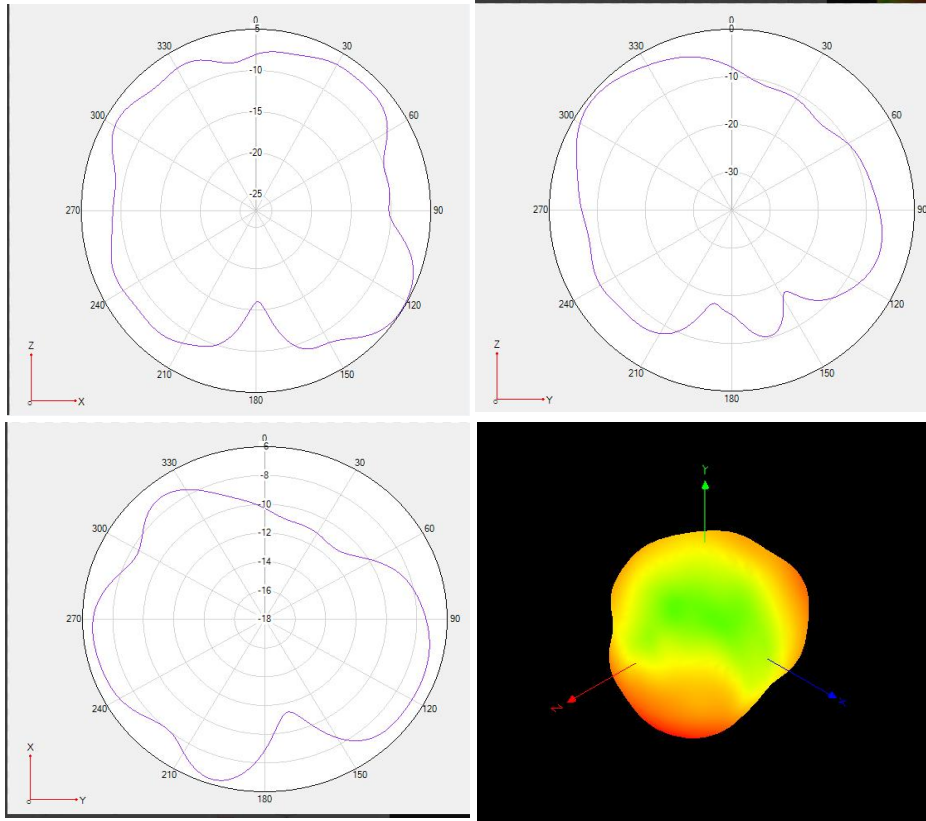
LTE 3



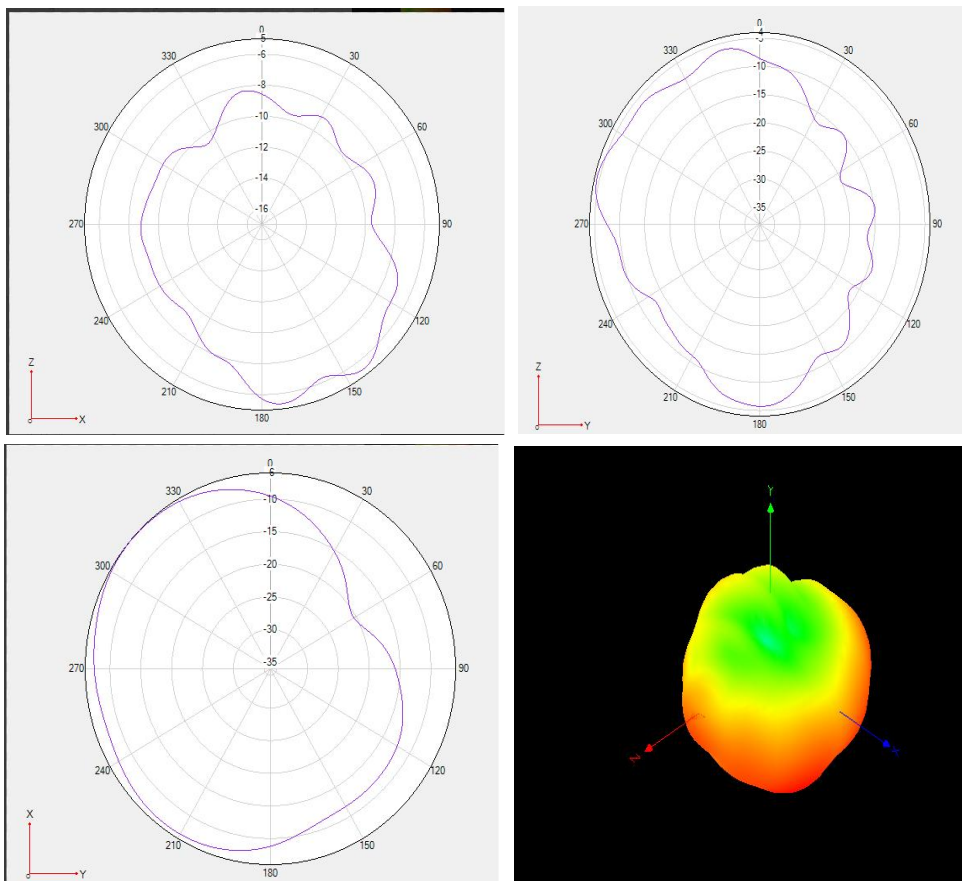
LTE 5



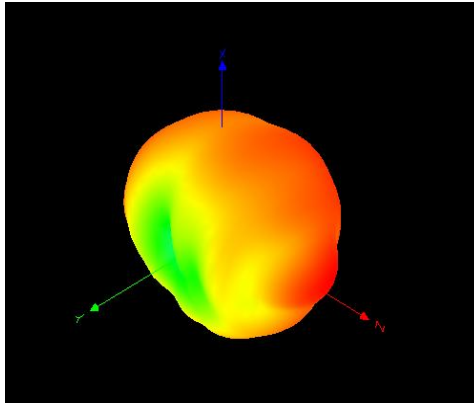
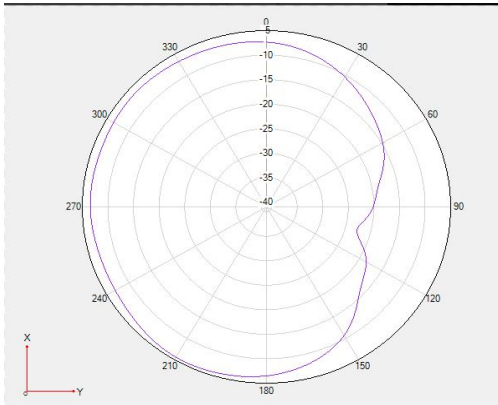
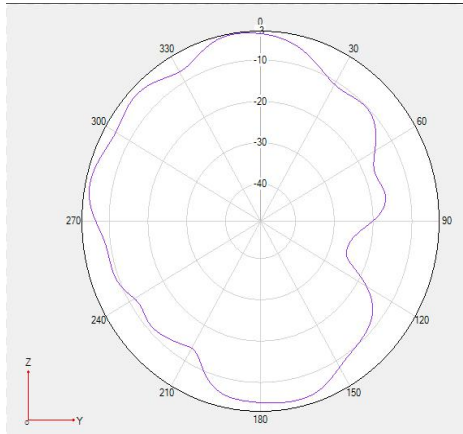
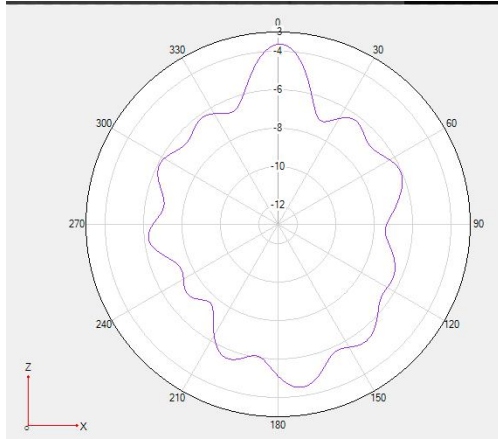
LTE 7



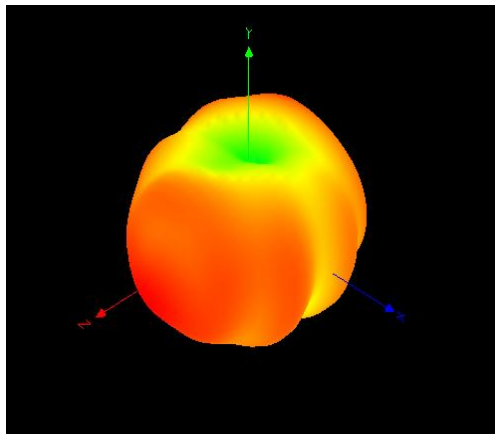
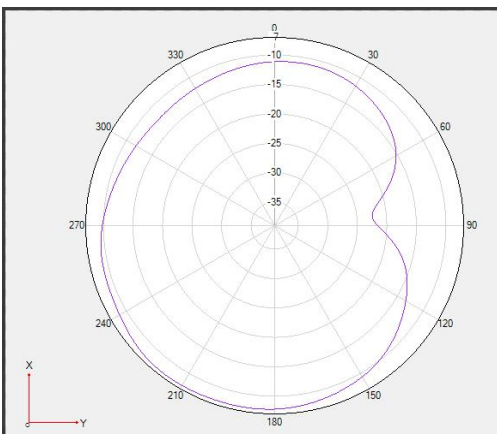
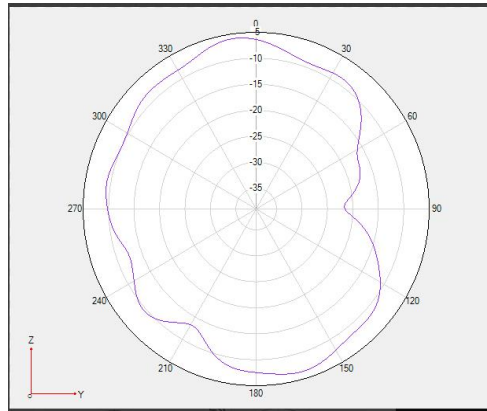
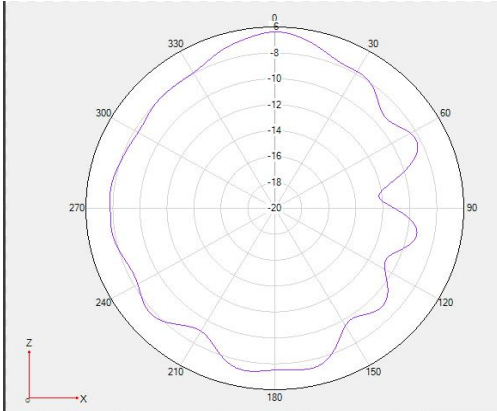
LTE 8



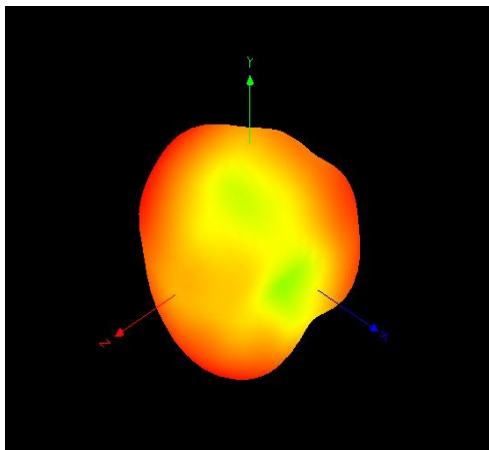
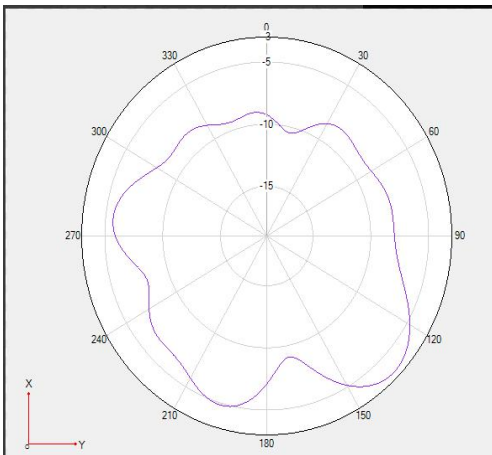
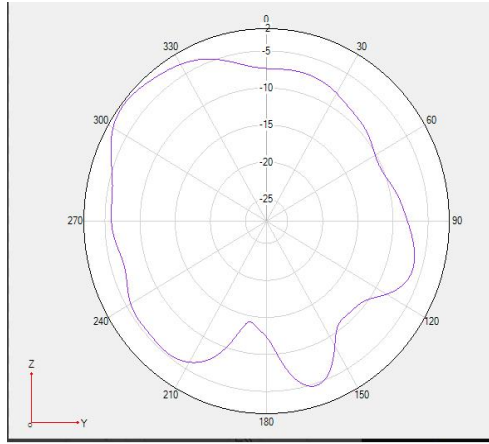
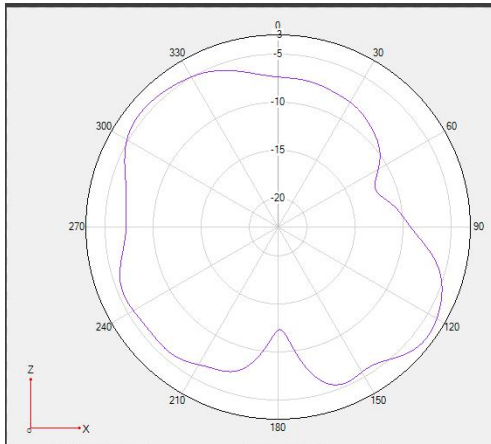
LTE 20



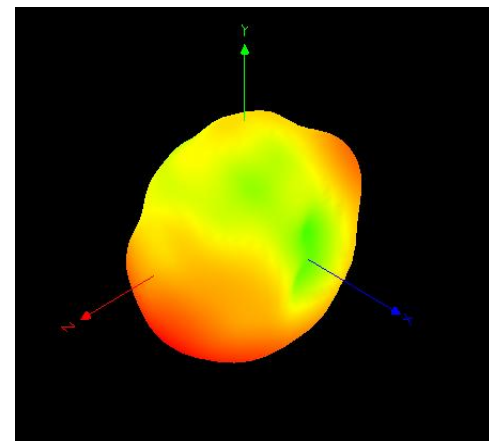
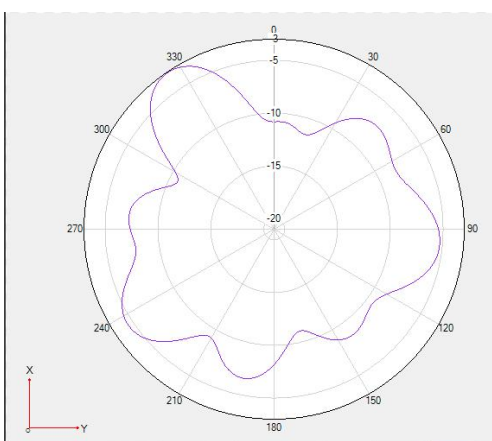
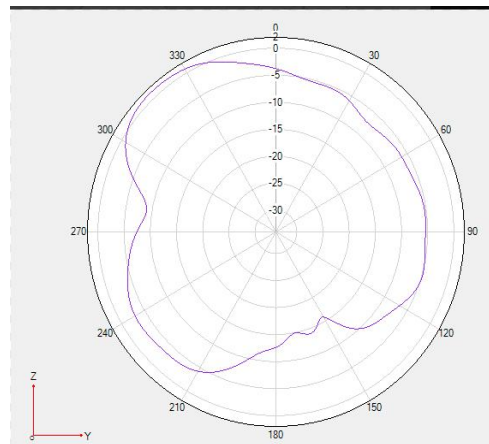
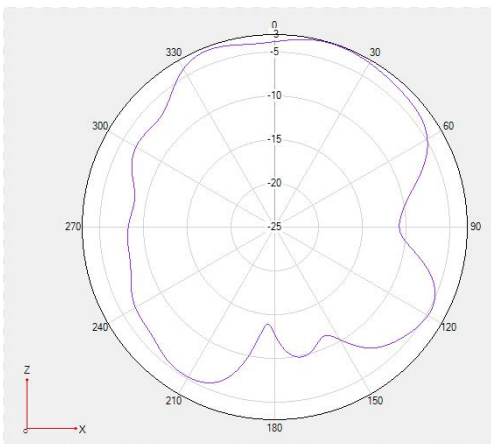
LTE 28



LTE 38



LTE 40



LTE 41

