

# BT/WiFi Antenna

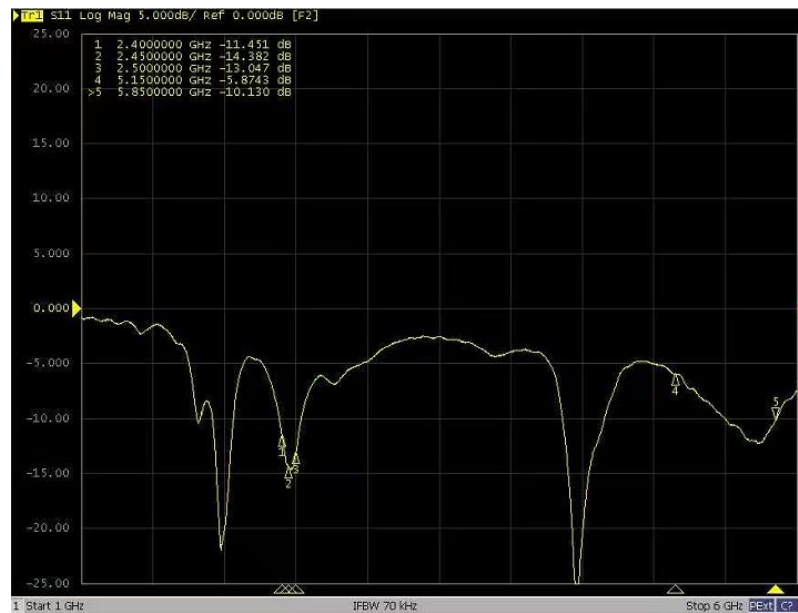
## 4.1 Basic Specifications

| No. | Specification          | Descriptions                                                                                              | Notes |
|-----|------------------------|-----------------------------------------------------------------------------------------------------------|-------|
| 1   | Antenna Name           | <u>XCAMB01 WiFi ANT</u>                                                                                   |       |
| 2   | Brand                  | <u>NA</u>                                                                                                 |       |
| 3   | Operation<br>Frequency | <u>2.4~2.483GHz;</u><br><u>5.7250~5.850GHz</u>                                                            |       |
| 4   | Connector Type         | cable                                                                                                     |       |
| 5   | Impedance              | 50ohm                                                                                                     |       |
| 6   | Gain                   | ANT1<br>1.5dBi@2.4~2.4835GHz<br>2dBi@5.725~5.85GHz<br>ANT2<br>-1dBi@2.4~2.4835GHz<br>1.5dBi@5.725~5.85GHz |       |
| 7   | Efficiency             | $\geq 20\%$                                                                                               |       |
| 8   | VSWR                   | $\leq 2$                                                                                                  |       |
| 9   | Polarization type      | Linear                                                                                                    |       |
| 10  | 3dB Beamwidth          | Omnidirectional horizon                                                                                   |       |
| 11  | Weight                 |                                                                                                           |       |

Manufacturer: Kunshan Innowave Communication Technology Co., Ltd.  
Building H, No. 55, Shengchuang Road, YushanTown, Kunshan City, Jiangsu Province,  
China

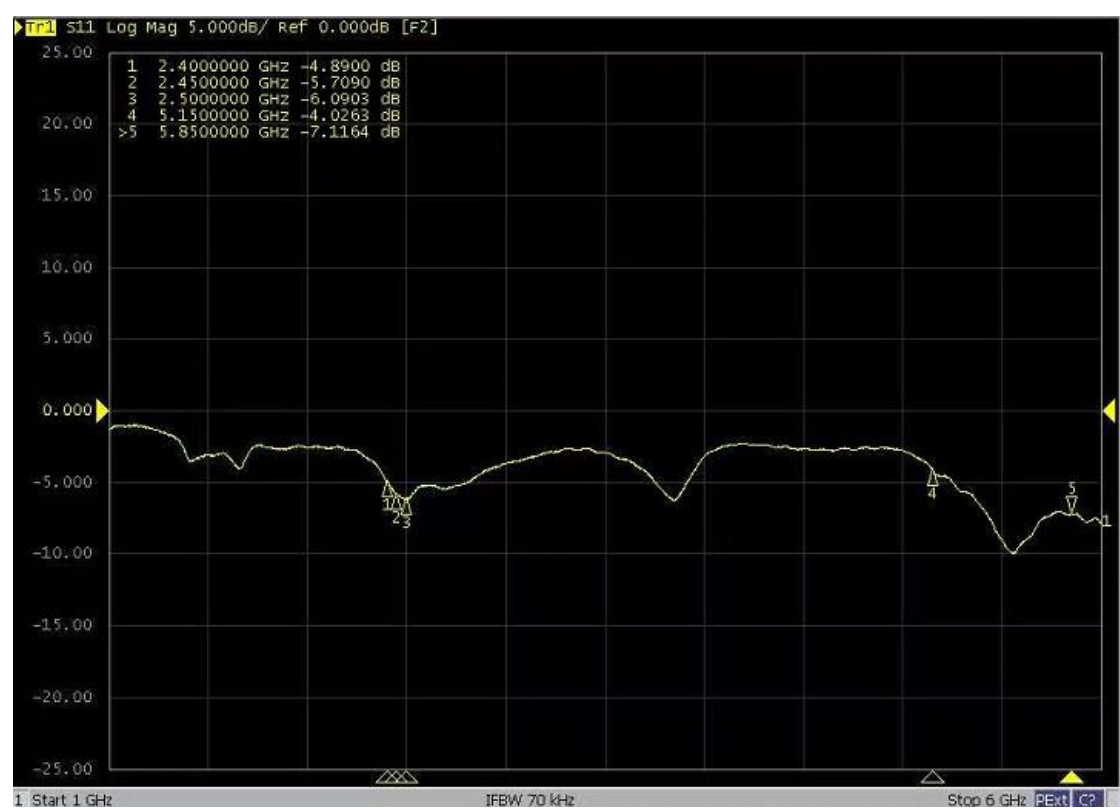
## 4.2 Gain & Efficiency

### ANT WIFI1:



| ANT_WIFI1     |                 |                |             |
|---------------|-----------------|----------------|-------------|
| Frequency/Mhz | Efficiency / dB | Efficiency / % | MaxGain/dBi |
| 2400          | -2.54           | 55.72          | 1.5         |
| 2410          | -2.70           | 53.70          | 1.29        |
| 2420          | -2.82           | 52.24          | 1.18        |
| 2430          | -2.92           | 51.05          | 1.01        |
| 2440          | -3.33           | 46.45          | 1.32        |
| 2450          | -3.27           | 47.10          | 1.50        |
| 2460          | -3.95           | 40.27          | 1.28        |
| 2470          | -3.80           | 41.69          | 1.38        |
| 2480          | -4.39           | 36.39          | 1.09        |
| 5700          | -2.38           | 57.81          | 1.72        |
| 5750          | -2.02           | 62.81          | 2.0         |
| 5800          | -2.09           | 61.80          | 1.82        |
| 5850          | -2.21           | 60.12          | 1.83        |

### ANT WIFI2:



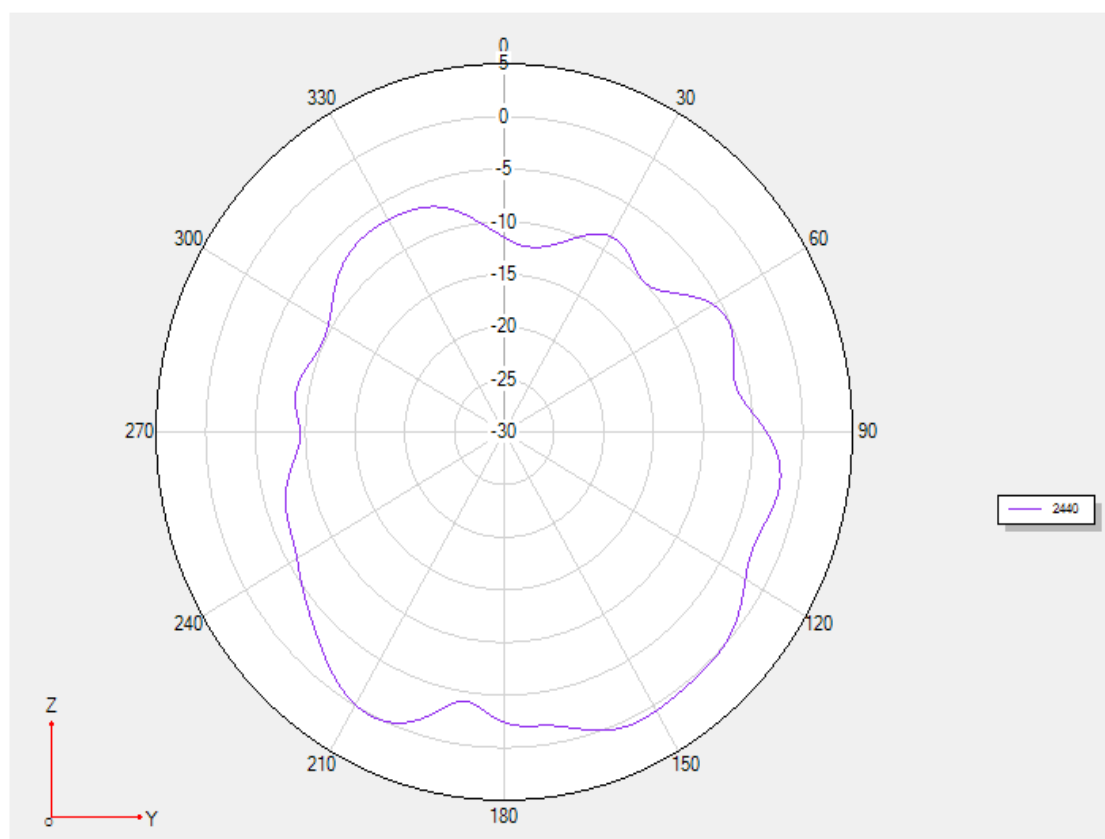
| ANT_WIFI2     |                 |                |             |
|---------------|-----------------|----------------|-------------|
| Frequency/Mhz | Efficiency / dB | Efficiency / % | MaxGain/dBi |
| 2400          | -8.54           | 18.00          | -3.05       |
| 2410          | -8.35           | 17.62          | -3.9        |
| 2420          | -8.05           | 18.67          | -3.15       |
| 2430          | -7.84           | 16.44          | -2.83       |
| 2440          | -7.68           | 17.06          | -2.41       |
| 2450          | -7.23           | 18.92          | -2.44       |
| 2460          | -7.30           | 18.62          | -1.50       |
| 2470          | -6.76           | 21.09          | -1.02       |
| 2480          | -6.82           | 20.80          | -1.89       |
| 5700          | -4.70           | 33.88          | 1.50        |
| 5750          | -4.26           | 37.50          | 1.31        |
| 5800          | -4.28           | 37.33          | 1.50        |
| 5850          | -4.32           | 36.98          | 1.14        |

## 4.3 radiation pattern

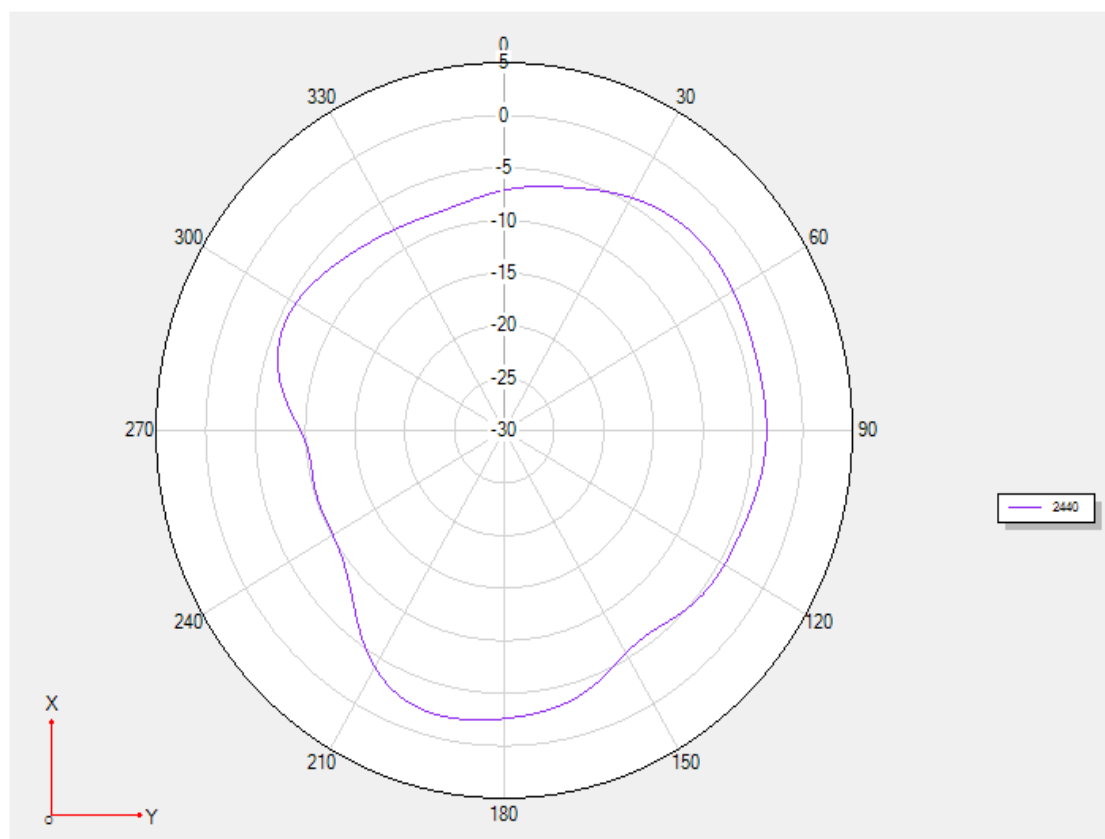
ANT WIFI 1:

2.4G:

YOZ:

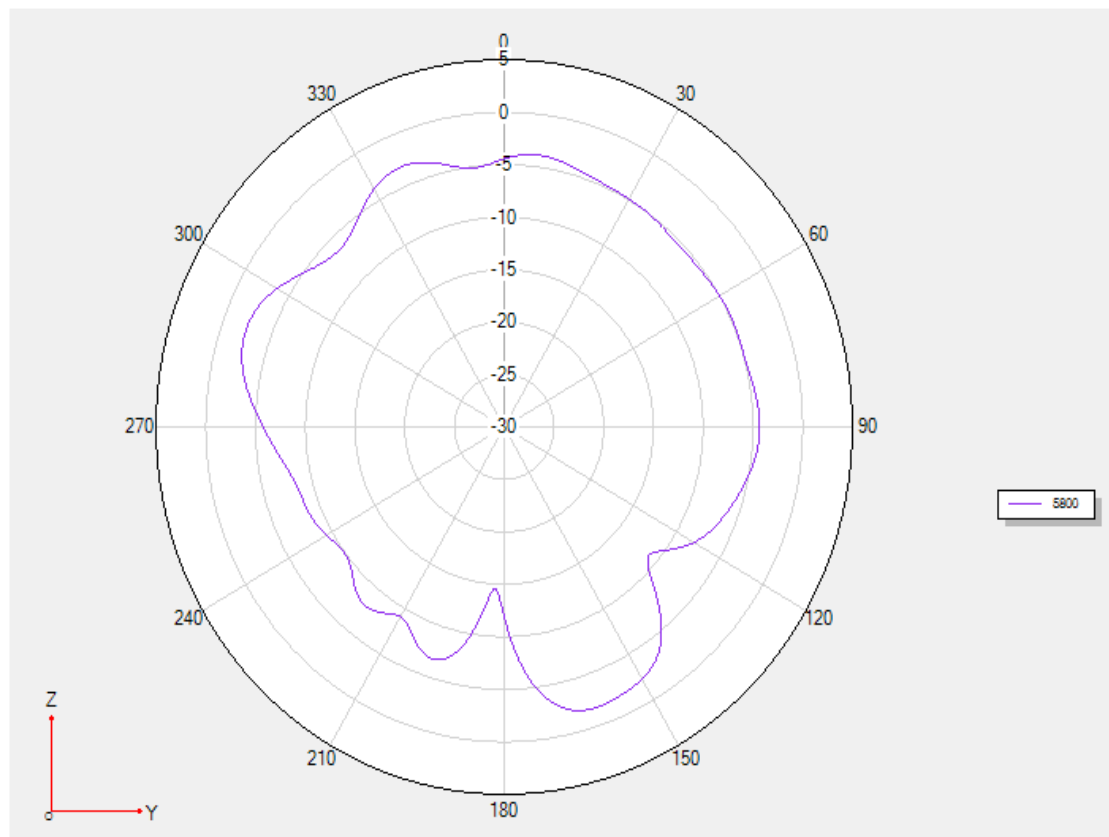


XOY:

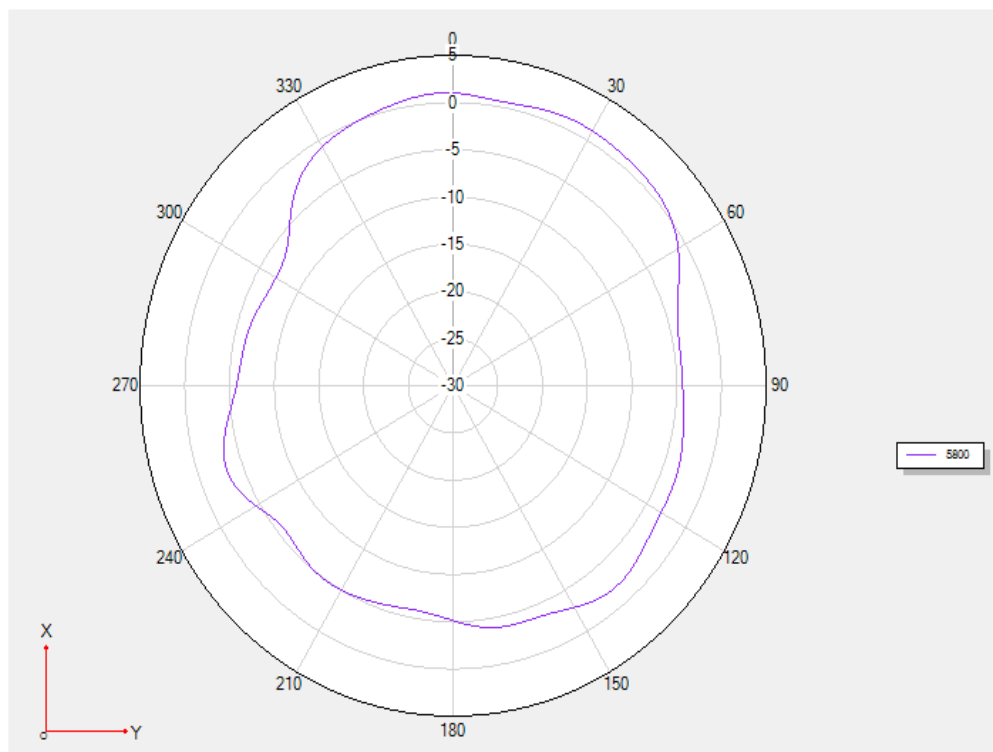


5.8G

YOZ:



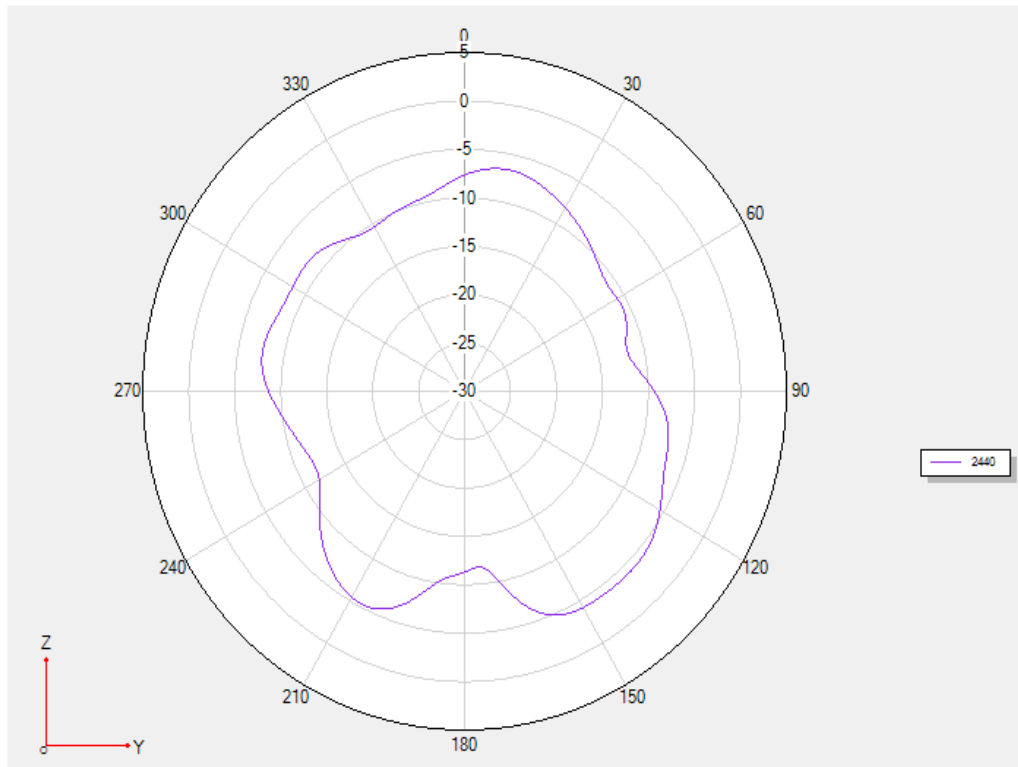
XOY:



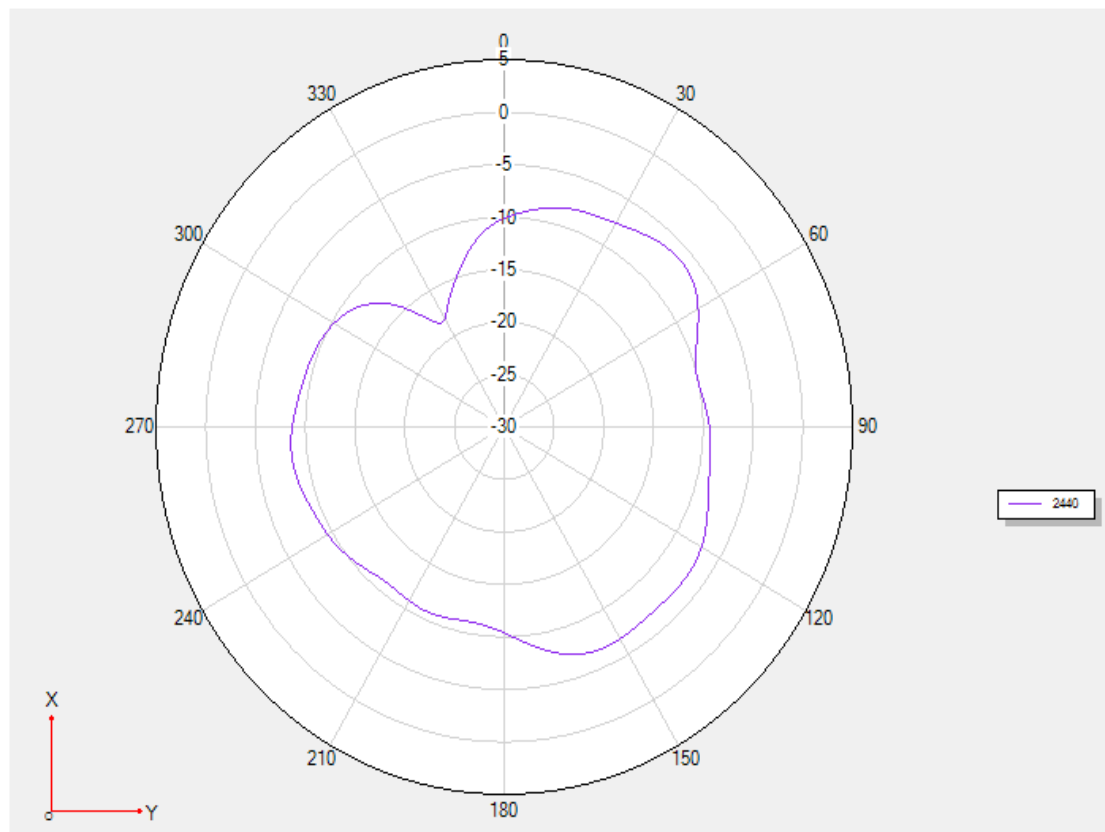
**ANT WIFI2:**

**2.4G:**

**YOZ:**

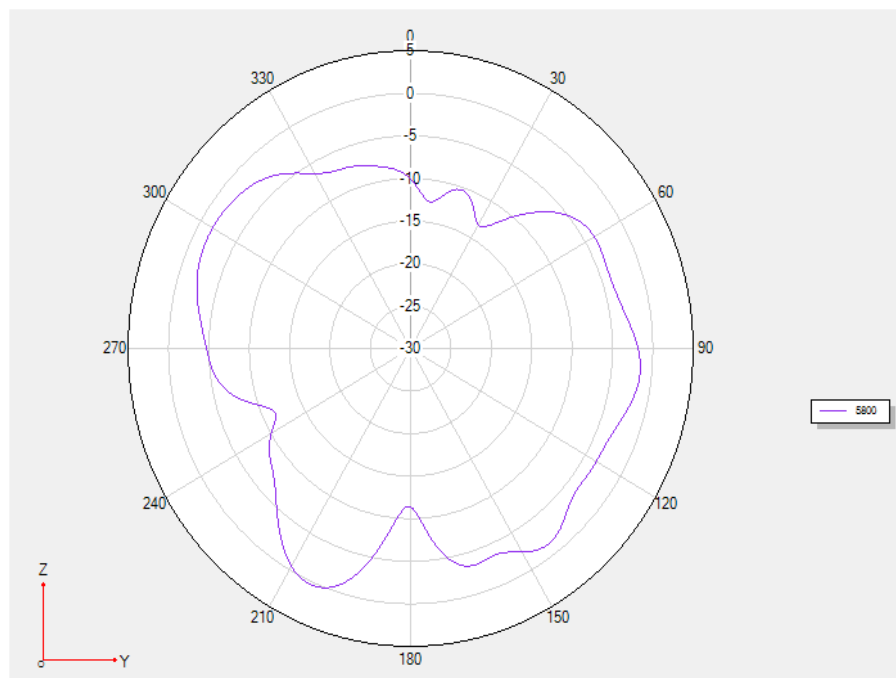


**XOY:**



**5.8G:**

**YOZ:**



**XOY:**

