

## Feature

- ※ High gain
- ※ Omani-directional
- ※ Wide bandwidth

## Application

##填写对应配置完整的频段信息##

※GSM850/900/DCS/PCS/WCDMA B1/B2/B4/B5/B8

LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/B38/B41(120M)/B66

别漏掉下表面的表格

| Name and address of the antenna manufacturer                                                                                                                                                  | Model number of the antenna                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Shenzhen Weichuang Communication<br>Technology Co., Ltd<br><br>No. 8, Tongfu Village Industrial Zone,<br>Xinshi Community, Dalang Street,<br>Longhua District, Shenzhen<br>##供应商名称和地址，要求全英文## | KM7k-ANT0<br>KM7k-ANT1<br>KM7k-ANT2<br>KM7k-ANT3<br>KM7k-ANT4<br>KM7k-ANT12<br>KM7k-ANT13<br>KM7k-ANT14<br>## 认证样机天线丝印，版本和日期统一填写为 XX ## |

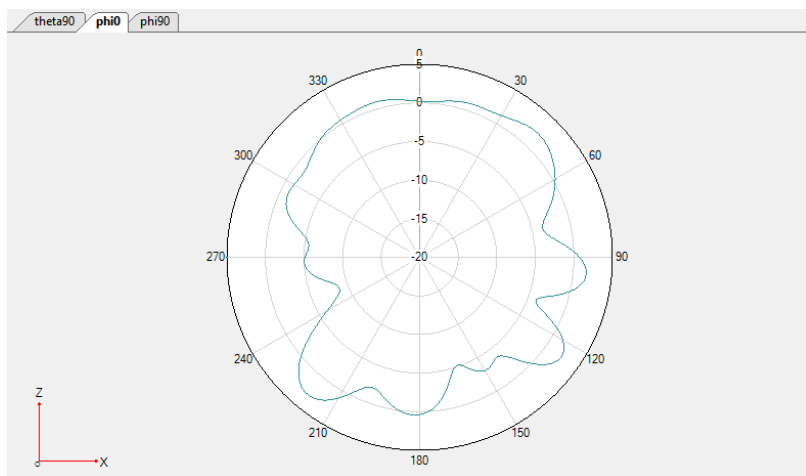
| TYPE                      |                   |                                                                      |
|---------------------------|-------------------|----------------------------------------------------------------------|
| Transmitter Frequency     |                   | GSM 850/WCDMA B5/LTE B5: 824 – 849 MHz                               |
|                           |                   | GSM 900/WCDMA B8/LTE B8 : 880 – 915 MHz                              |
|                           |                   | DCS /WCDMA B4/LTE B3/B4/B66 : 1710 – 1785 MHz                        |
|                           |                   | PCS/WCDMA B2/LTE B2:1850-1910MHz                                     |
|                           |                   | WCDMA B1/LTE B1 : 1920 – 1980MHz                                     |
|                           |                   | LTE B7:2496-2565MHz                                                  |
|                           |                   | LTE B38/B41 :2565-2645MHz                                            |
|                           |                   | LTE B20 :832-862MHz                                                  |
|                           |                   | LTE B12/B17/ B28 :710-755MHz                                         |
|                           |                   |                                                                      |
|                           |                   |                                                                      |
| Receiver Frequency        |                   | GSM 850/WCDMA B5/LTE B5 : 869 – 894 MHz                              |
|                           |                   | GSM 900/WCDMA B8/LTE B8 : 925 – 960 MHz                              |
|                           |                   | DCS/LTE B3/B66: 1805 – 1880 MHz                                      |
|                           |                   | WCDMA 4/LTE B4 : 2110-2155 MHz                                       |
|                           |                   | PCS/WCDMA B2/LTE B2:1930-1990MHz                                     |
|                           |                   | WCDMA B1/LTE B1 : 2110 – 2170MHz                                     |
|                           |                   | LTE B7:2620-2690MHz                                                  |
|                           |                   | LTE B38/41 :2565-2645MHz                                             |
|                           |                   | LTE B20:791-821MHz                                                   |
|                           |                   | LTE B12/B17/ B28 :758-803MHz                                         |
|                           |                   |                                                                      |
| RF-Output Power (E.I.R.P) |                   | GSM850/900: 32+/-2dBm                                                |
|                           |                   | DCS/PCS: 30+/-2dBm                                                   |
|                           |                   | LTE B1/B2/B3/ B4/B5<br>/B7/B8/B12/B17/B20/B28/B38/B41/B66: 23+/-2dBm |
|                           |                   | WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm                                     |
| Antenna Gain              | ANT0<br>(LB-PRX)  | GSM 850/WCDMA B5/LTE B5: -5.21                                       |
|                           |                   | GSM 900/WCDMA B8/LTE B8: -6.08                                       |
|                           |                   | LTE B20 :-5.84                                                       |
|                           |                   | LTE B12/B17/B28 :-5.41                                               |
|                           | ANT1<br>(MHB-PRX) | DCS /WCDMA B4/LTE B3/B4/B66 :-1.25                                   |
|                           |                   | PCS/WCDMA B2/LTE B2: -2.43                                           |
|                           |                   | WCDMA B1/LTE B1 : -2.65                                              |
|                           |                   |                                                                      |

|                           |                   |                                |
|---------------------------|-------------------|--------------------------------|
| ##增益报告内需要把所有TX天线的增益值都填写## |                   | LTE B7/B38/B41 : -0.44         |
|                           |                   |                                |
|                           | ANT2<br>(LB-DRX)  | GSM 850/WCDMA B5/LTE B5: -5.79 |
|                           |                   | GSM 900/WCDMA B8/LTE B8: -5.15 |
|                           |                   | LTE B20 :-4.72                 |
|                           |                   | LTE B12/B17/B28A :-5.98        |
|                           |                   | LTE B28B :-6.15                |
|                           | ANT3<br>(MHB-DRX) | DCS/LTE B3 : -3.99             |
|                           |                   | PCS/WCDMA B2/LTE B2: -1.78     |
|                           |                   | WCDMA B1/LTE B1 : -1.93        |
|                           |                   | WCDMA B4 /B4/B66:-7.93         |
|                           |                   | LTE B7/B38/B41 :-0.95          |
|                           |                   |                                |
|                           | ANT12             | GPS(L1):-1.39                  |
|                           | ANT13             | WIFI 2.4G:-1.59                |
|                           | ANT14             | BT/WIFI 2.4G:-1.43 5G: -1.39   |

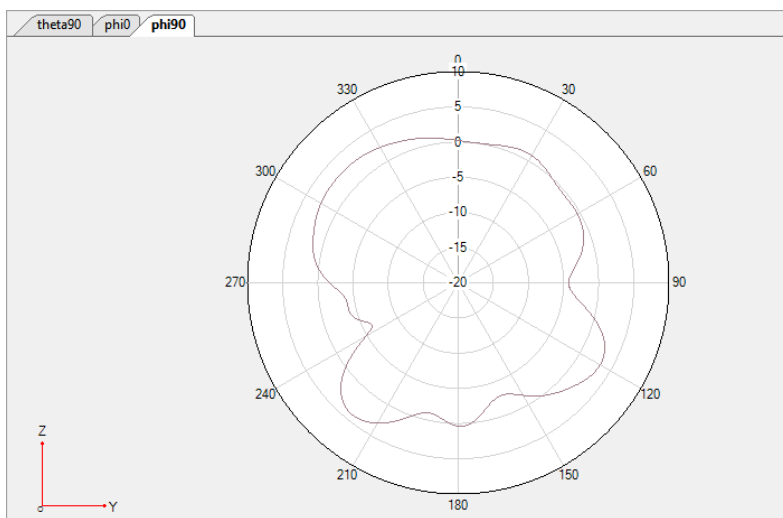
# ※ Antenna Gain

##填写增益图时，需要与上表所填增益值对应，对应频段所填的值不能超过增益图的增益范围，例如，下图增益范围为-15 到 0dBi 左右，增益值填写不能超过这个范围##

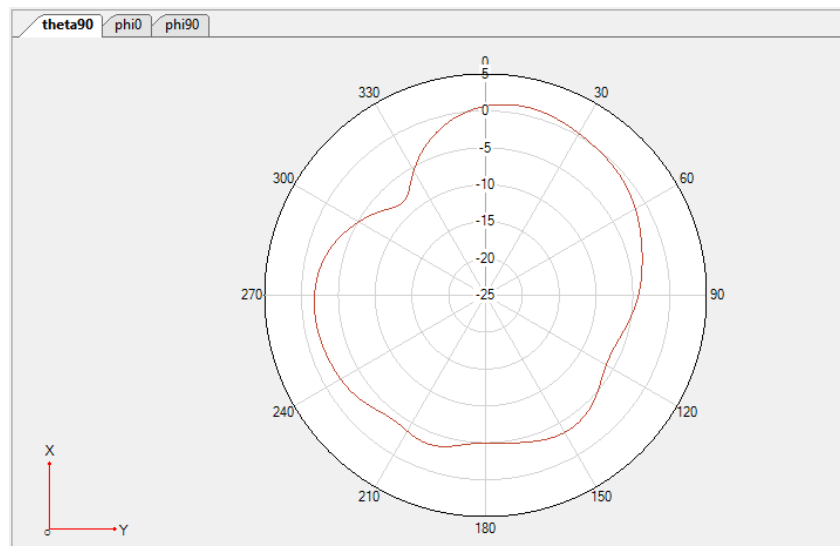
ANT12 ##天线序号与天线增益图频段对应##



GPS Phi=0deg



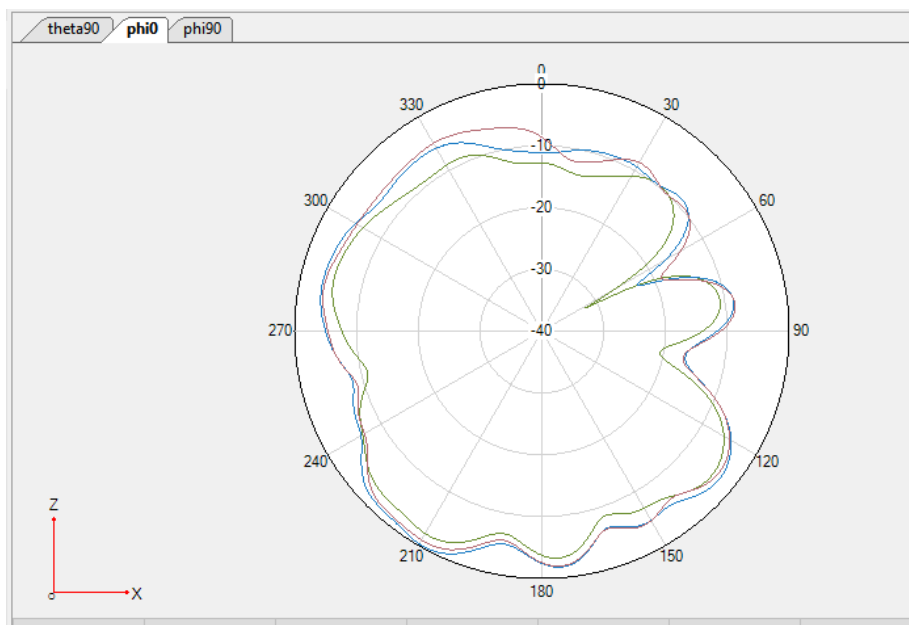
GPS Phi=90deg



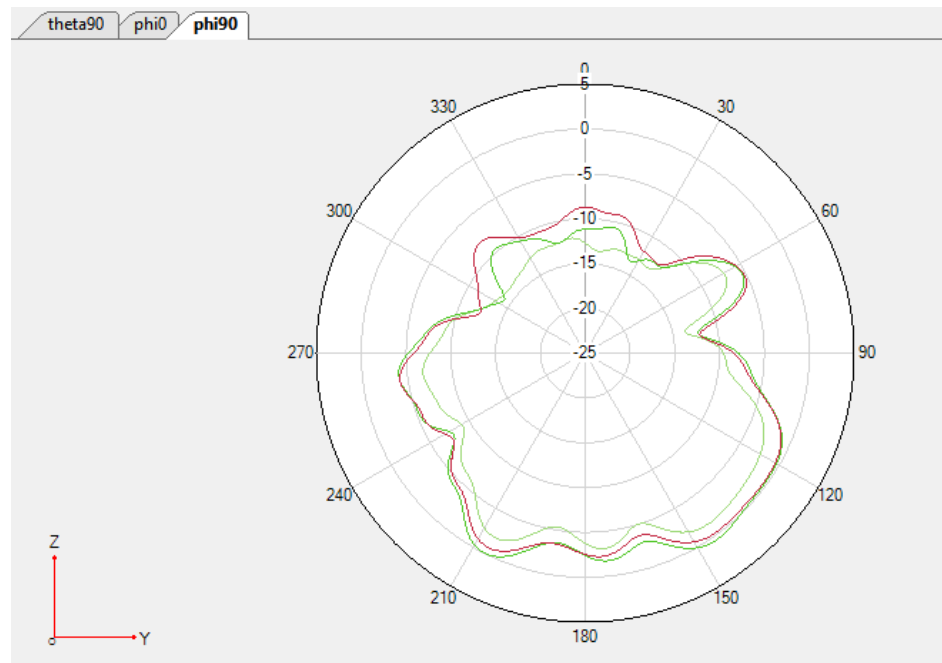
GPS  $\theta = 90^\circ$

※ Antenna Gain

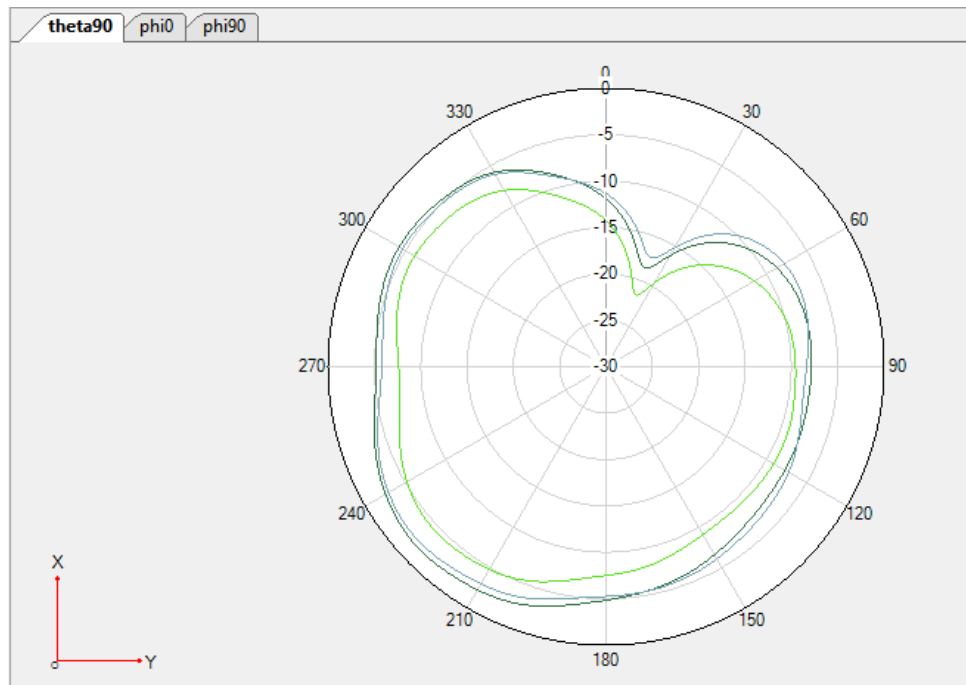
ANT13



2.4G WIFI  $\phi = 0^\circ$



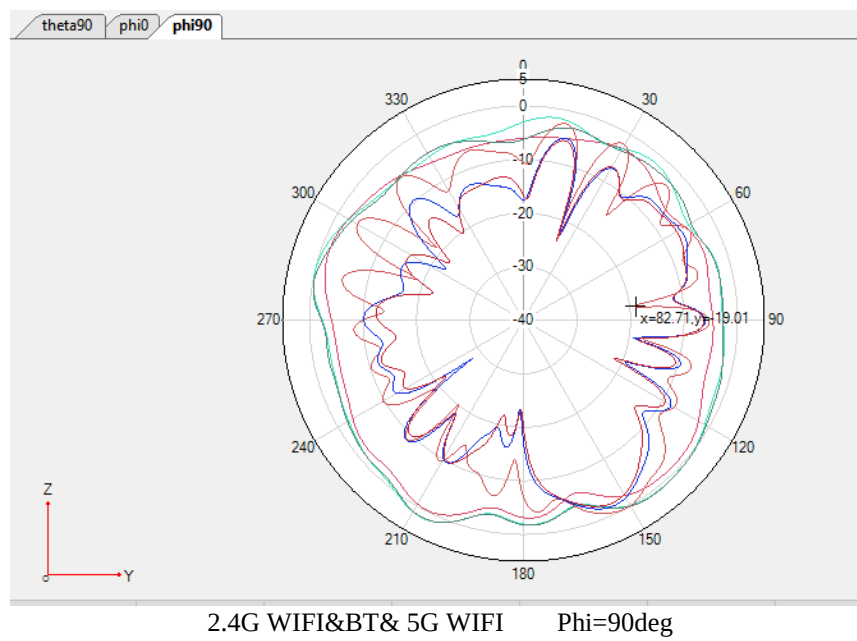
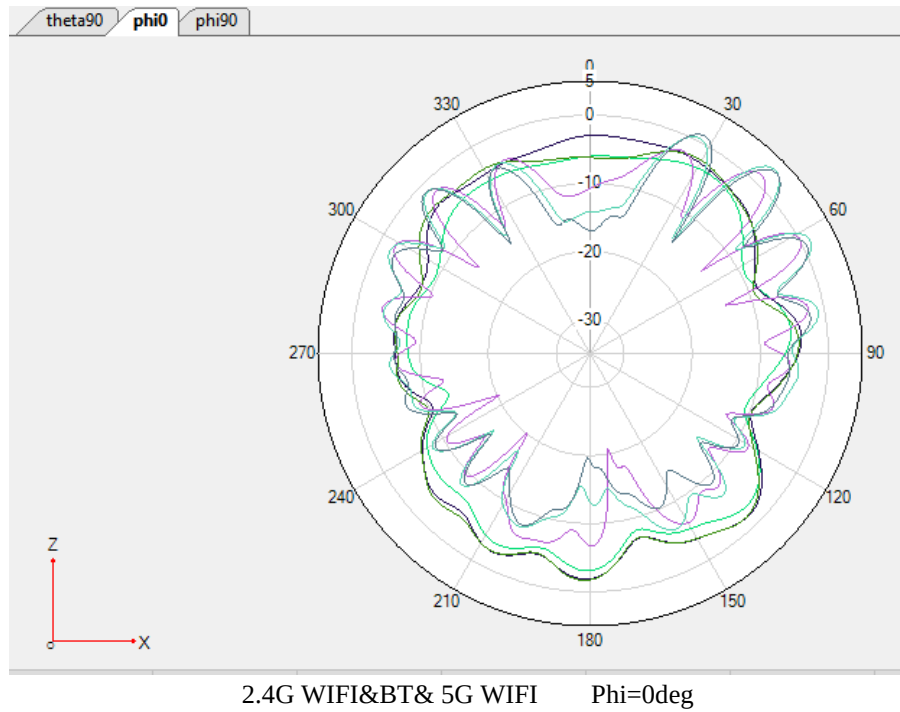
2.4G WIFI Phi=90deg

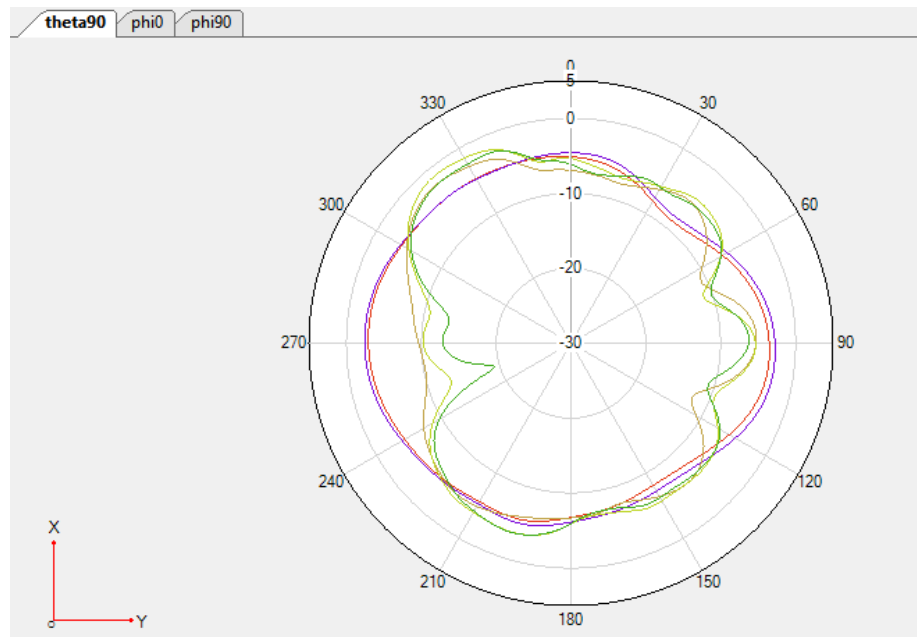


2.4G WIFI Theta=90deg

※ Antenna Gain

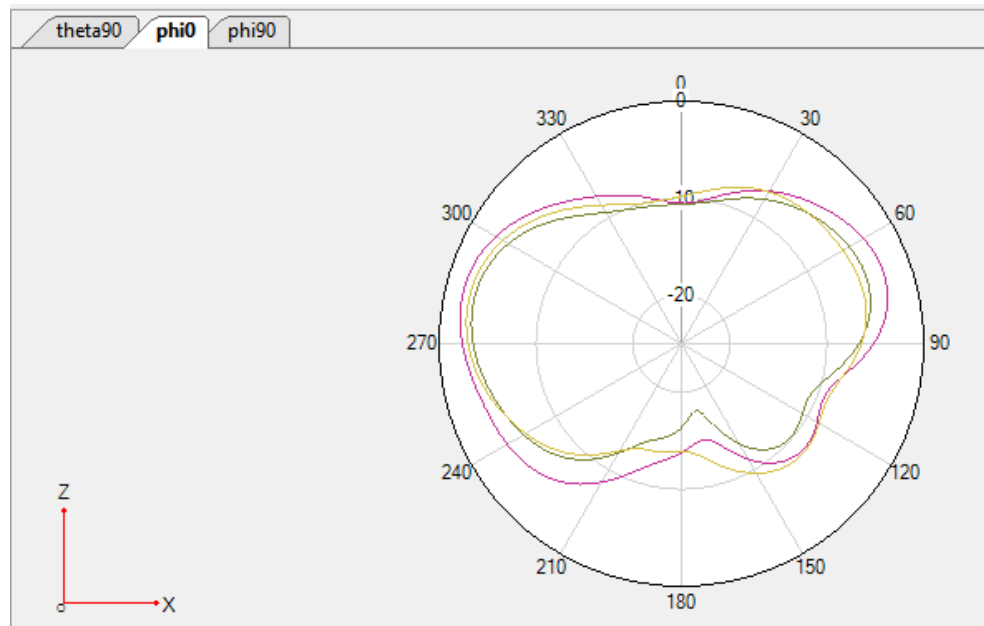
ANT14



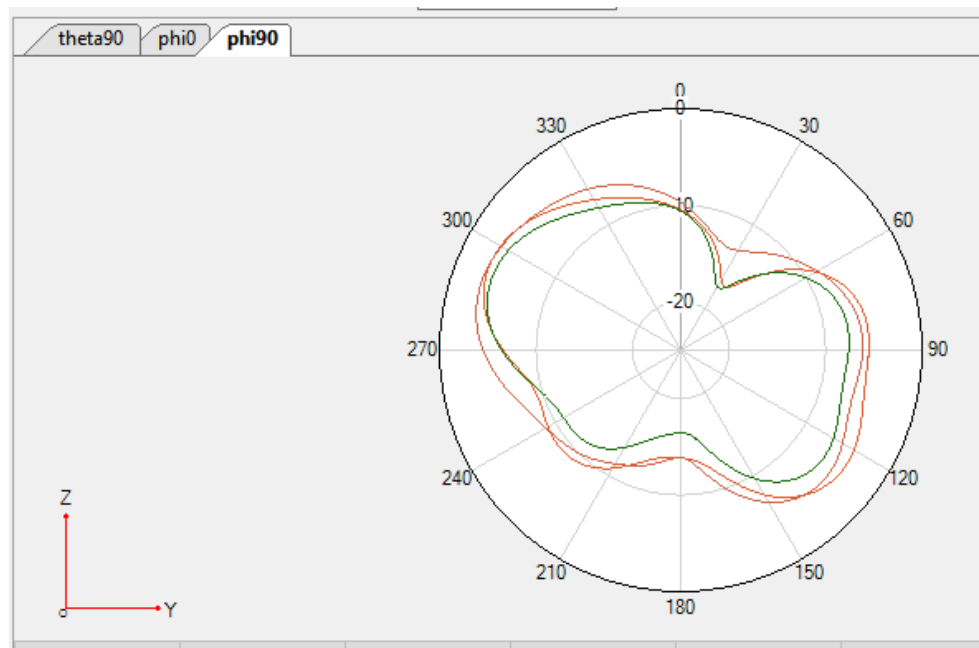


2.4G WIFI&BT& 5G WIFI Theta=90deg

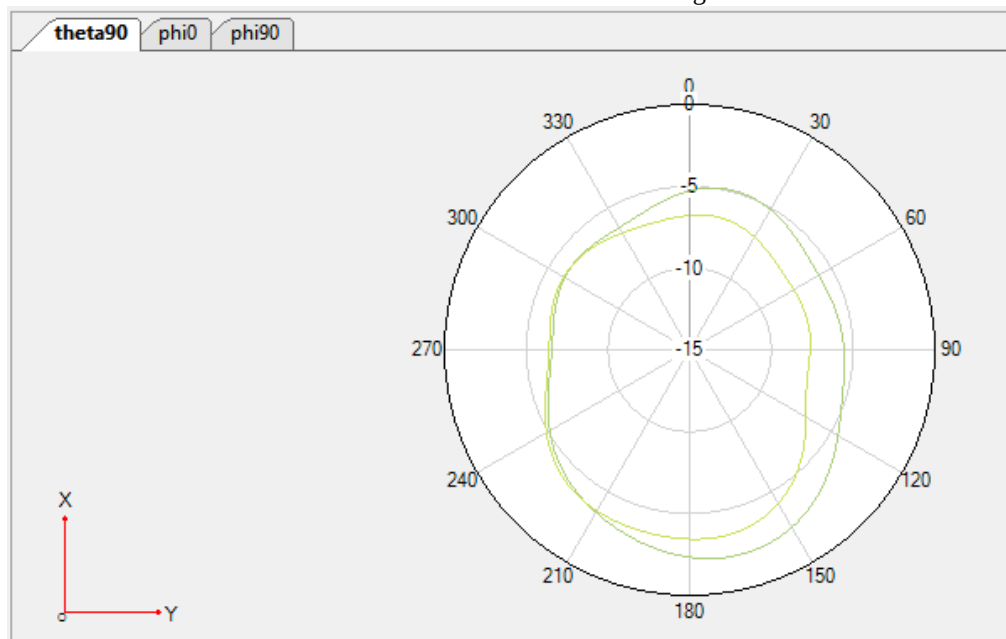
※ Antenna Gain  
ANT0



LTE B12/B17/ B28 Phi=0deg



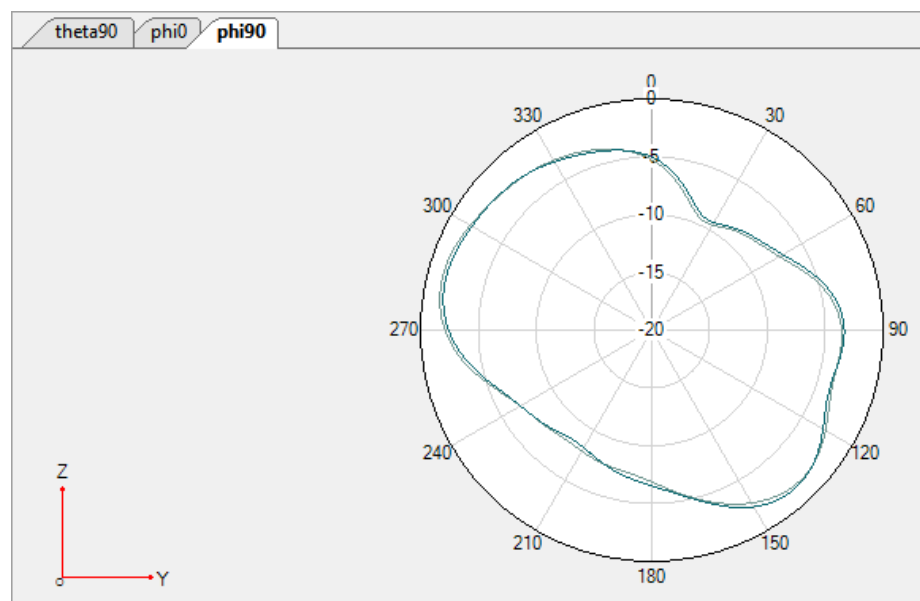
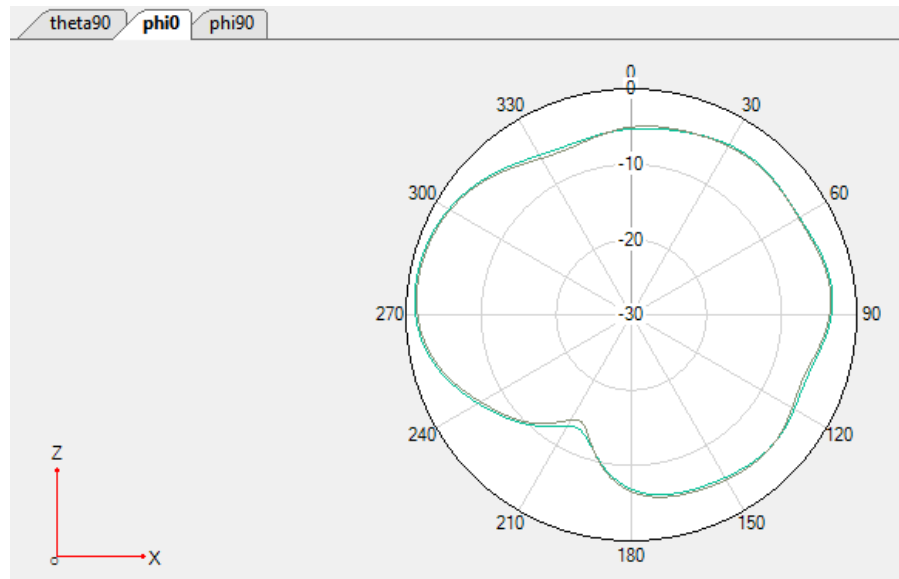
LTE B12/B17/ B28 Phi=90deg

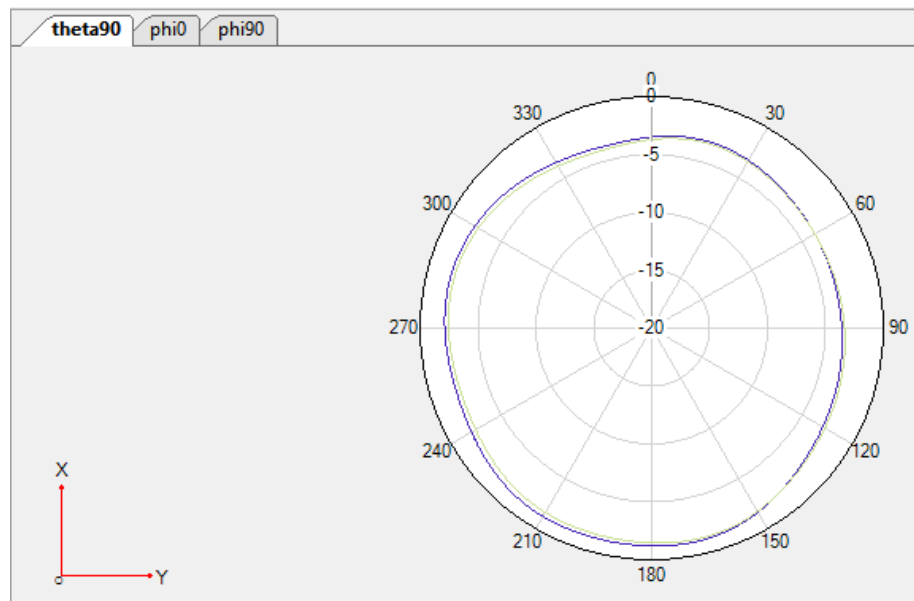


LTE B12/B17/ B28 Theta=90deg

※ Antenna Gain

ANT0

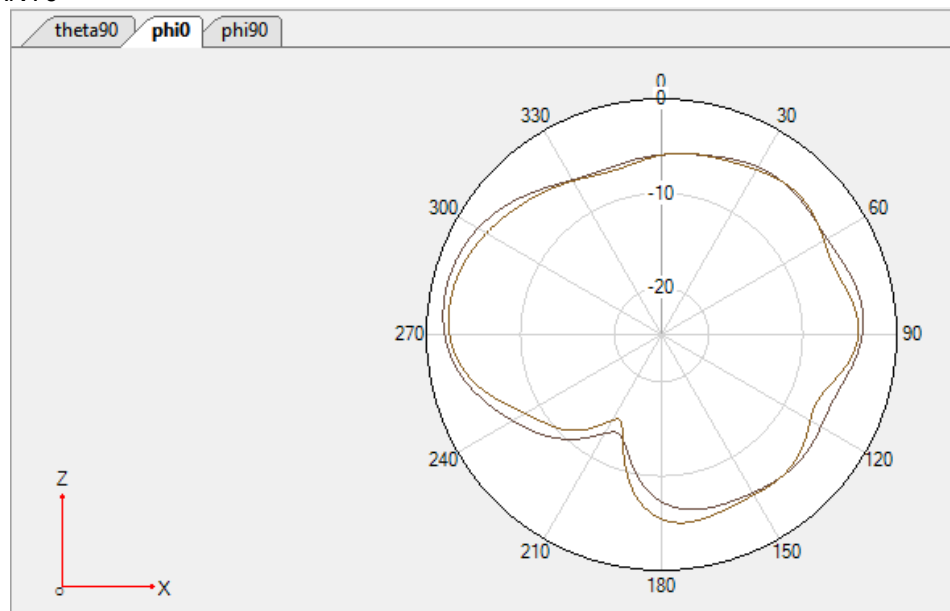




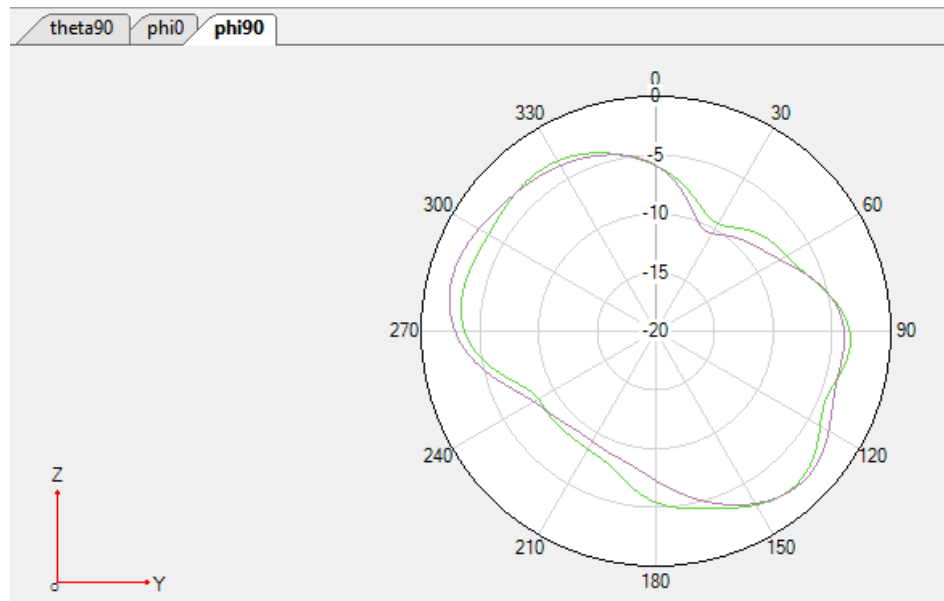
LTE B20 Theta=90deg

※ Antenna Gain

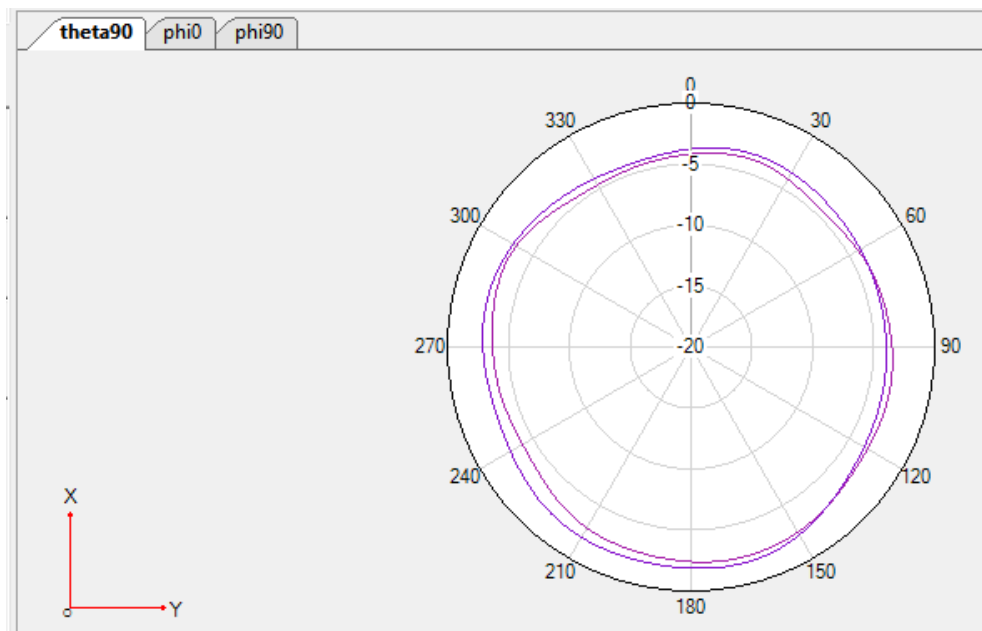
ANT0



GSM850/WCDMA B5/LTE B5 Phi=0deg



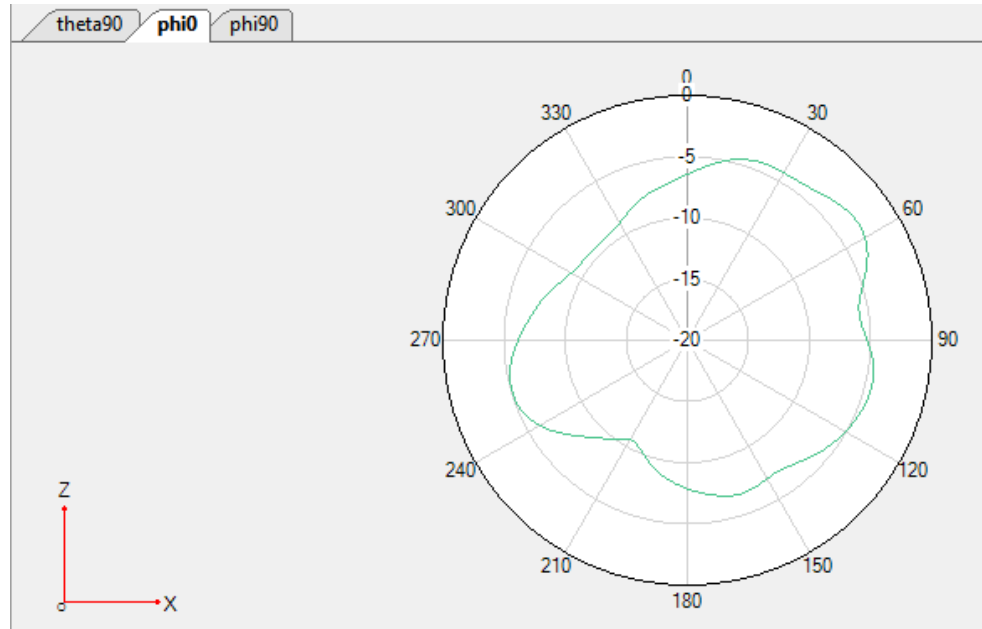
GSM850/WCDMA B5/LTE B5  $\Phi=90^\circ$



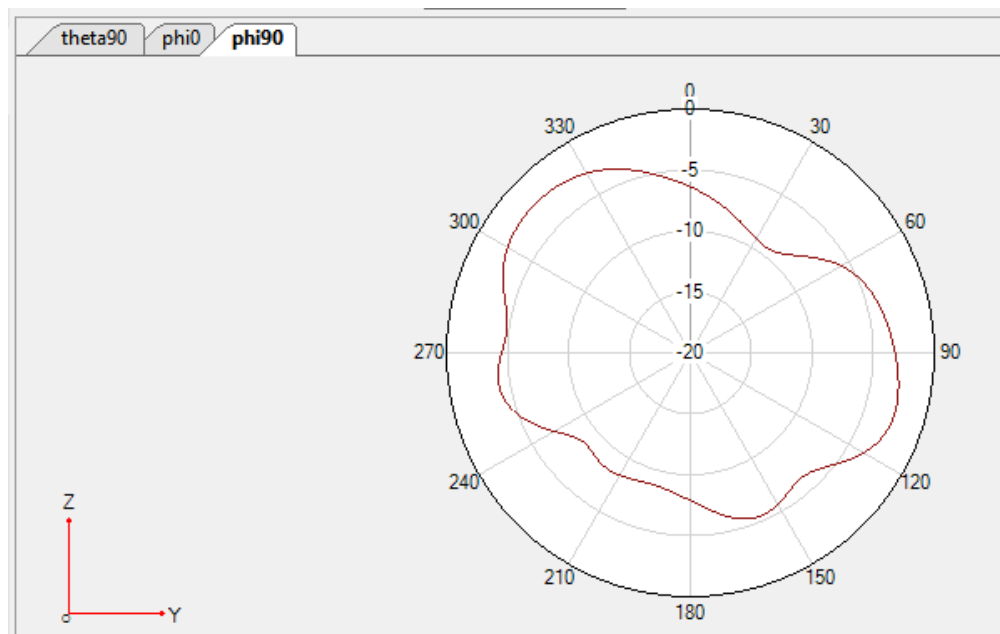
GSM850/WCDMA B5/LTE B5  $\Theta=90^\circ$

※ Antenna Gain

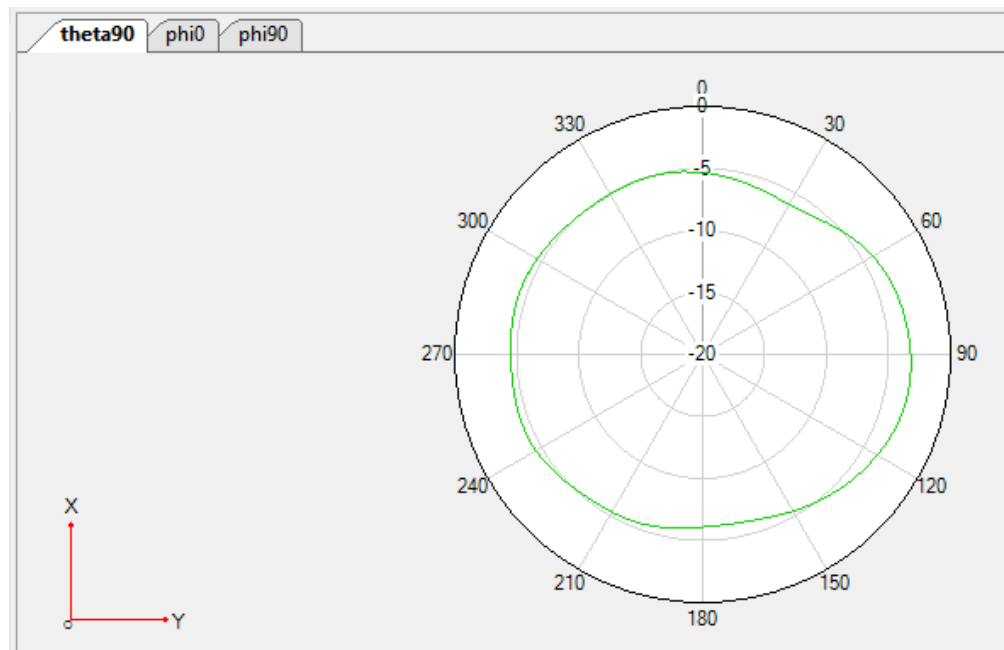
ANT0



GSM900/WCDMA B8/LTE B8 Phi=0deg



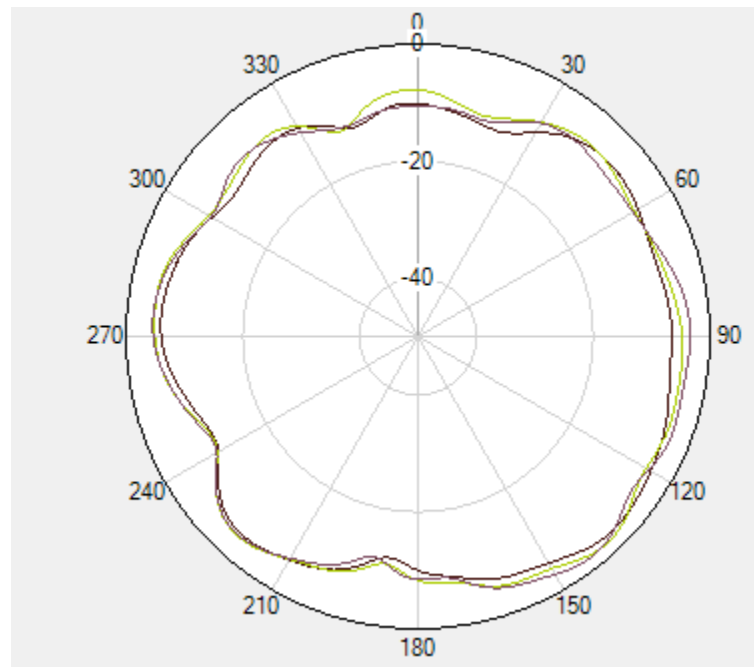
GSM900/WCDMA B8/LTE B8 Phi=90deg



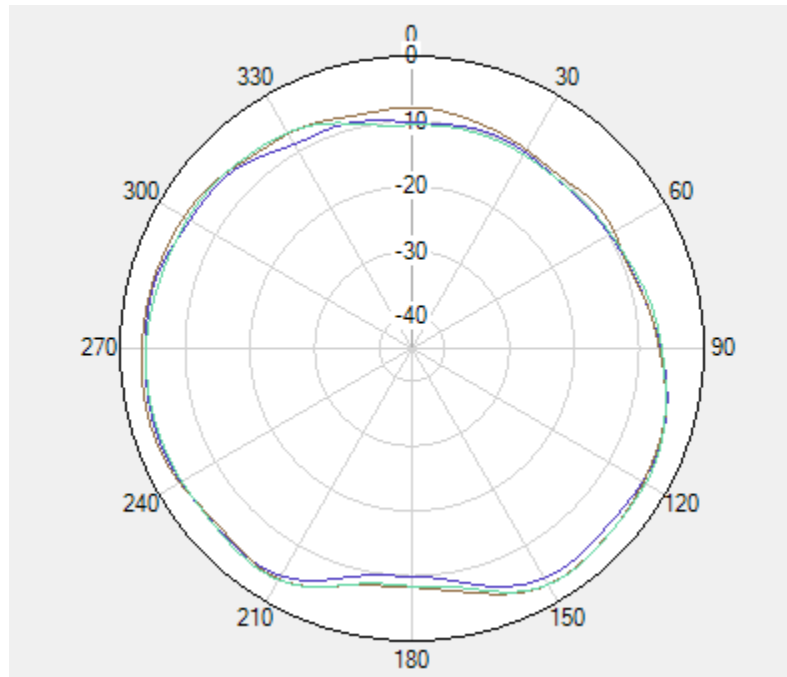
GSM900/WCDMA B8/LTE B8 Theta=90deg

※ Antenna Gain

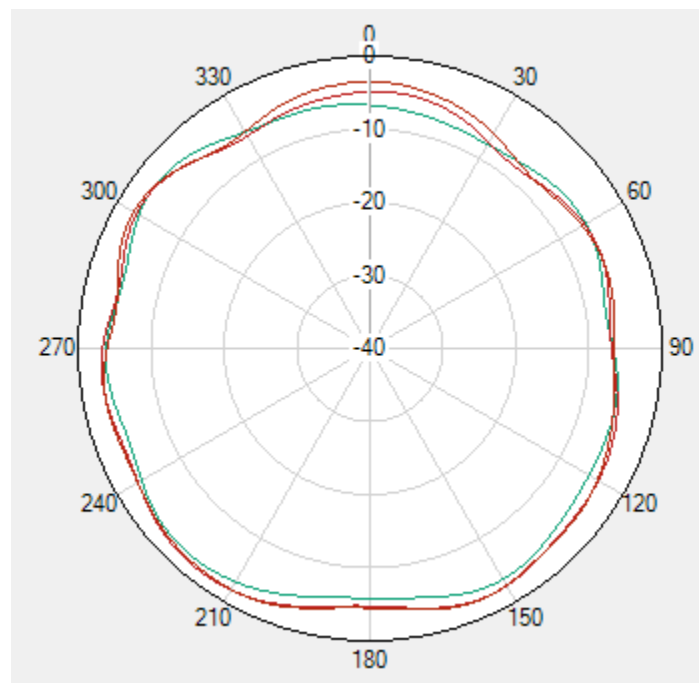
ANT1



LTE B7/B38/B41 Phi=0deg



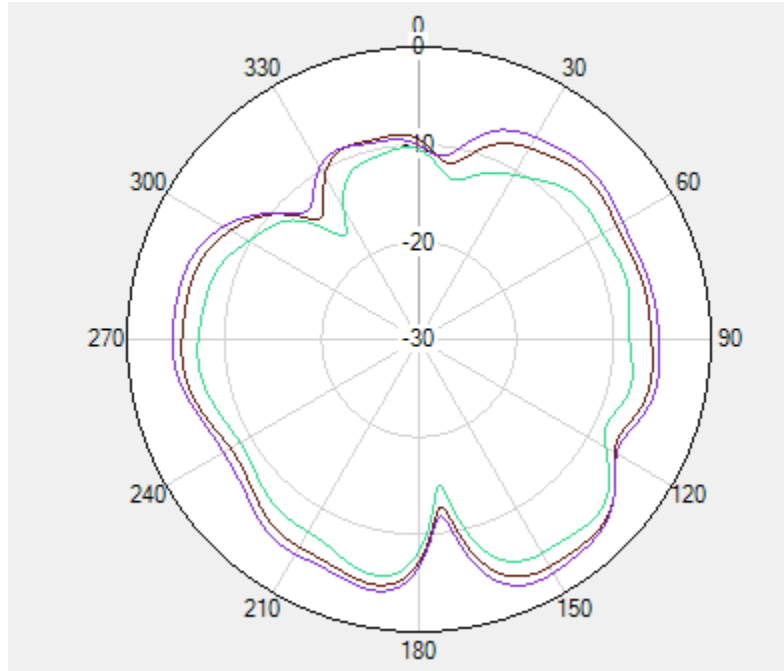
LTE B7/B38/B41  $\Phi=90^\circ$



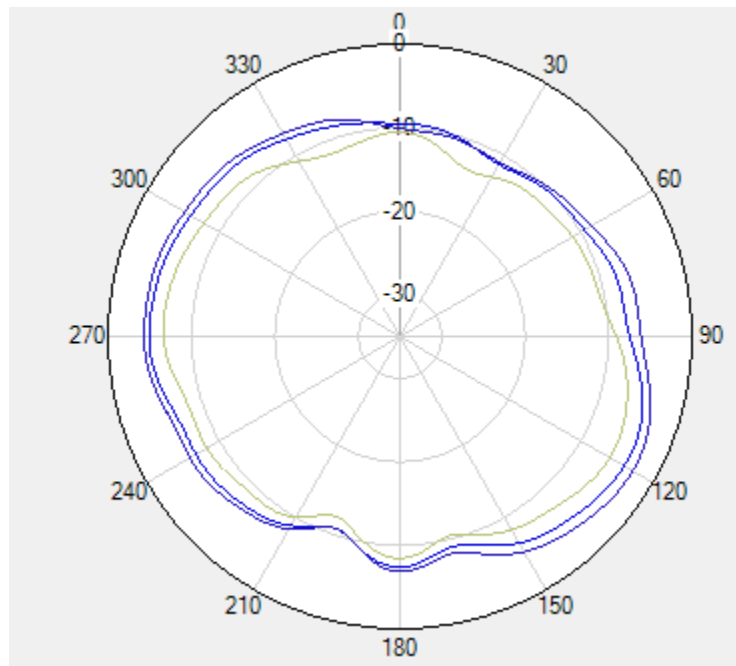
LTE B7/B38/B41  $\Theta=90^\circ$

※ Antenna Gain

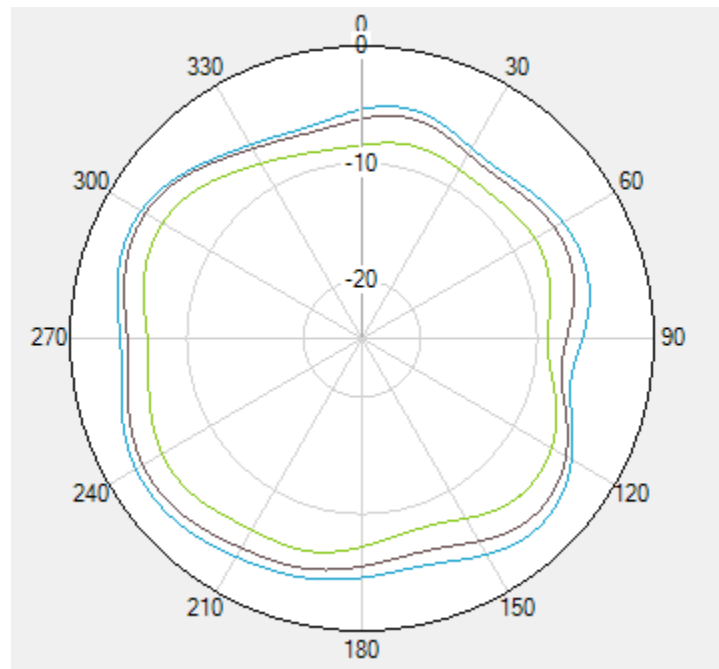
ANT1



DCS/PCS/WCDMA B2/LTE B2/B3  $\Phi=0^\circ$

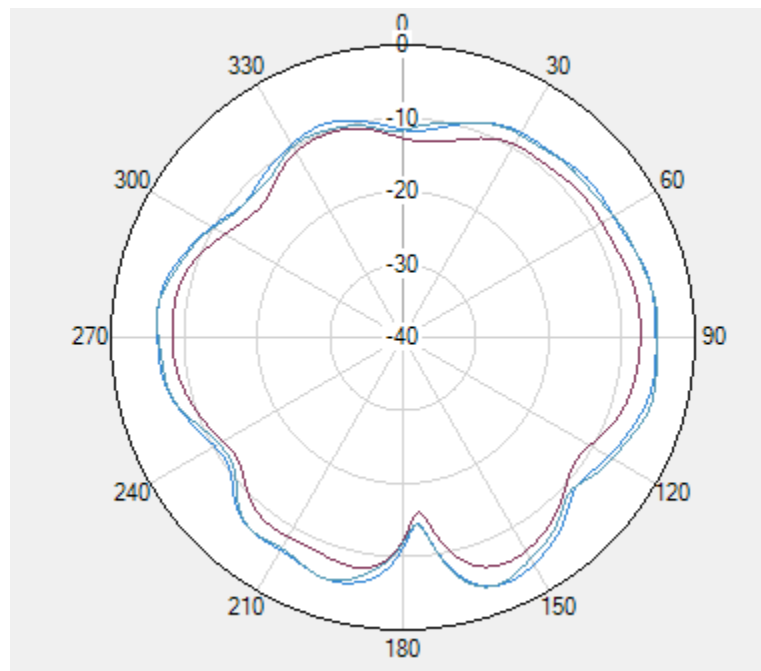


DCS/PCS/WCDMA B2/LTE B2/B3  $\Phi=90^\circ$

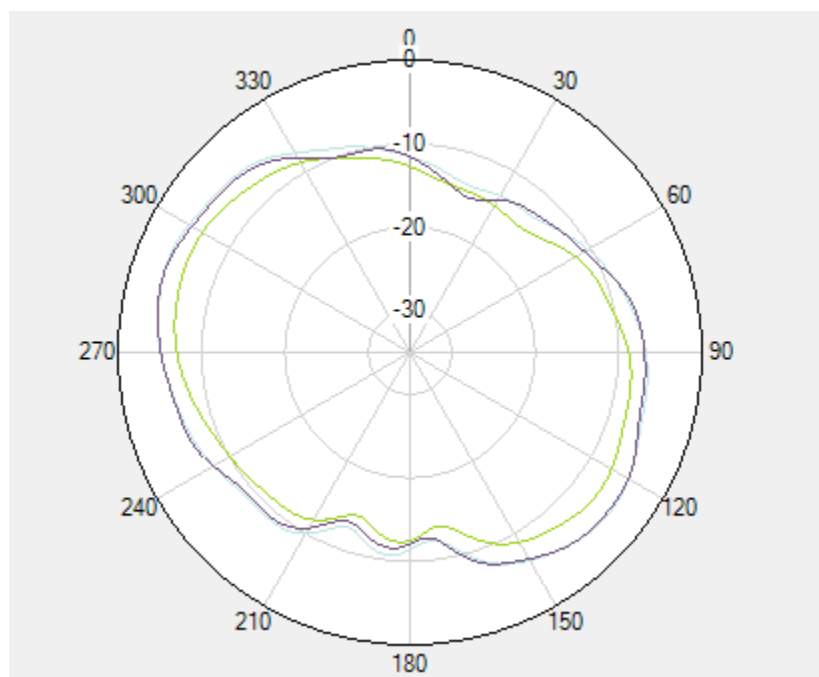


※ Antenna Gain

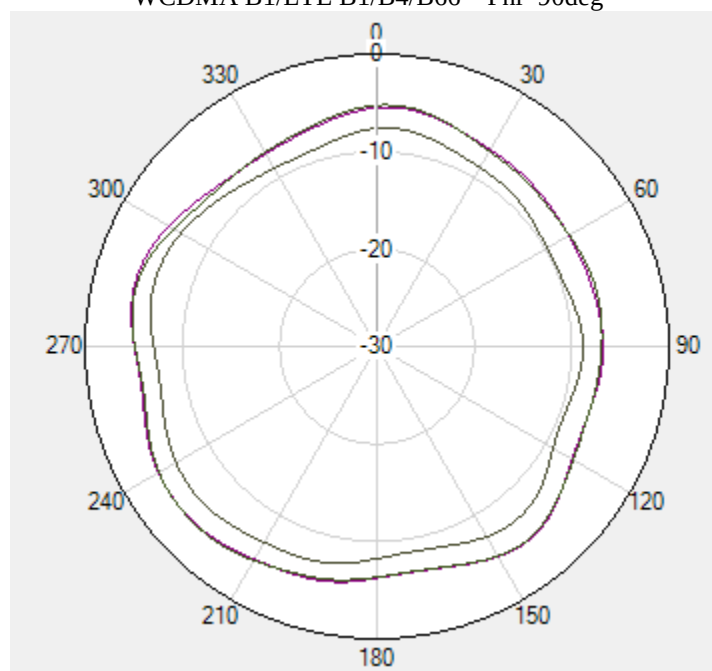
ANT1



WCDMA B1/LTE B1/B4/B66 Phi=0deg

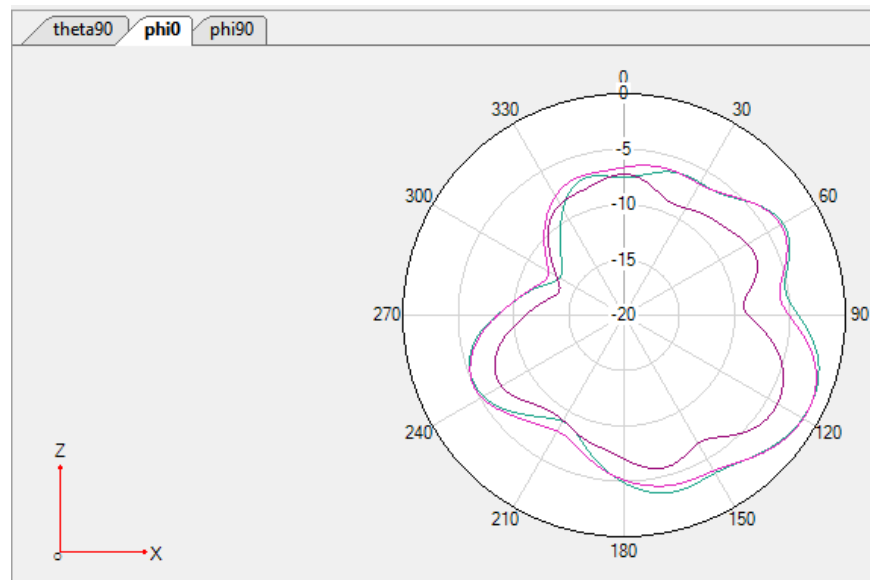


WCDMA B1/LTE B1/B4/B66 Phi=90deg

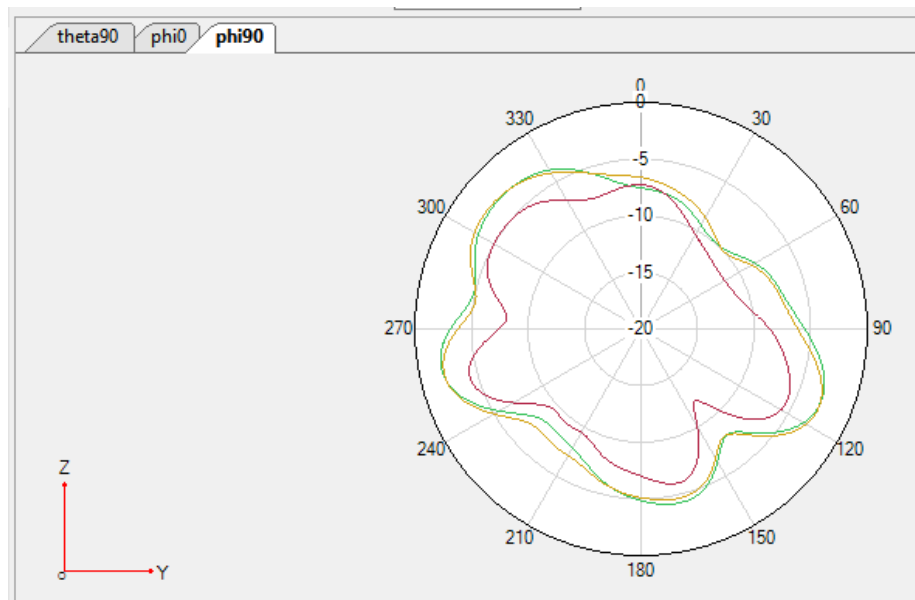


WCDMA B1/LTE B1/B4/B66 Theta=90deg

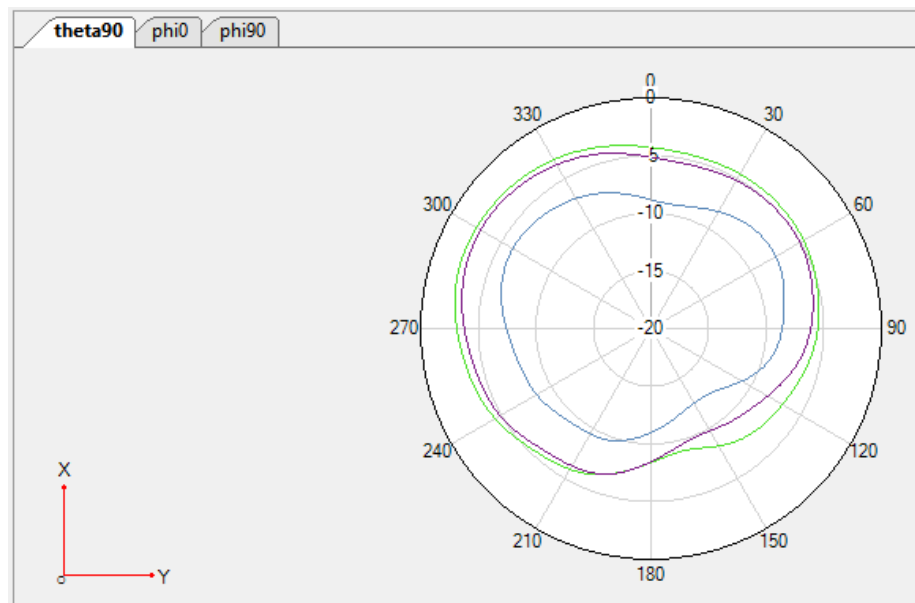
※ Antenna Gain  
ANT2



GSM900/WCDMA8/LTE B8 Phi=0deg



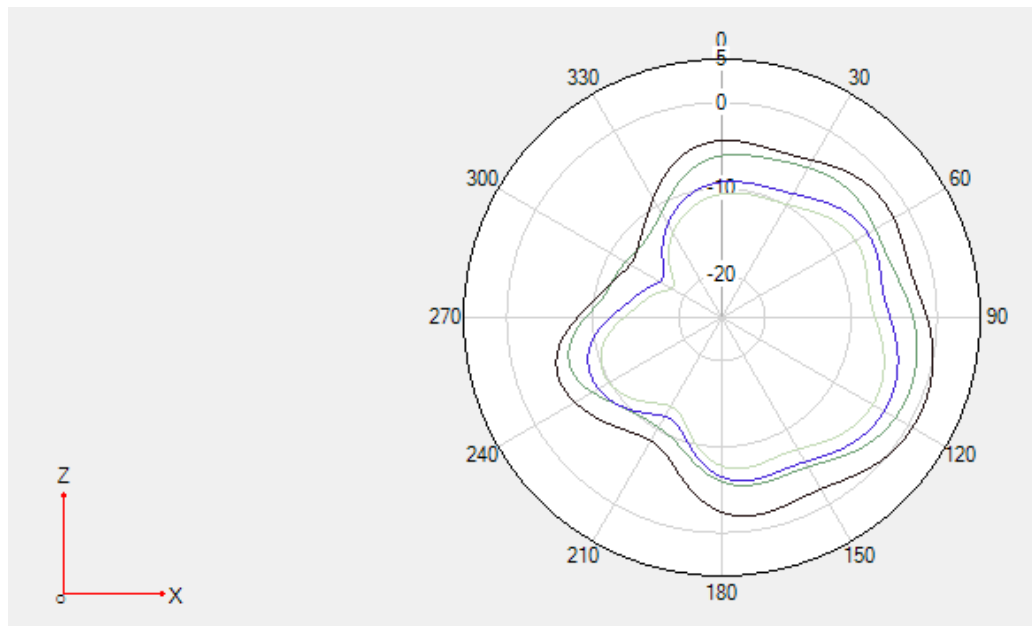
GSM900/WCDMA8/LTE B8 Phi=90deg



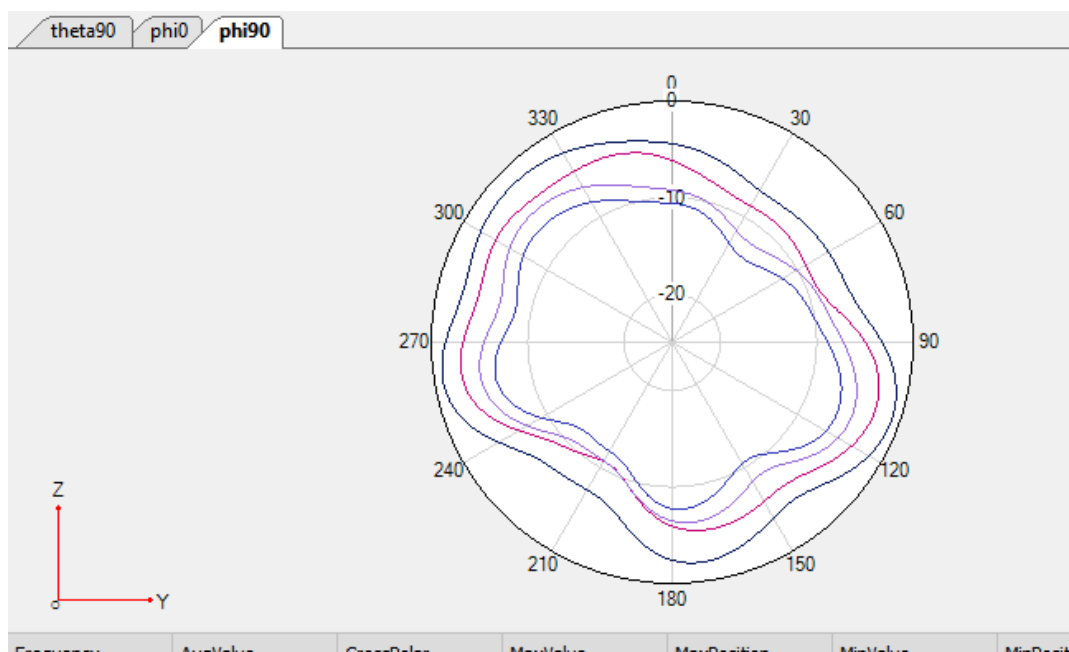
GSM900/WCDMA8/LTE B8 Theta=90deg

※ Antenna Gain

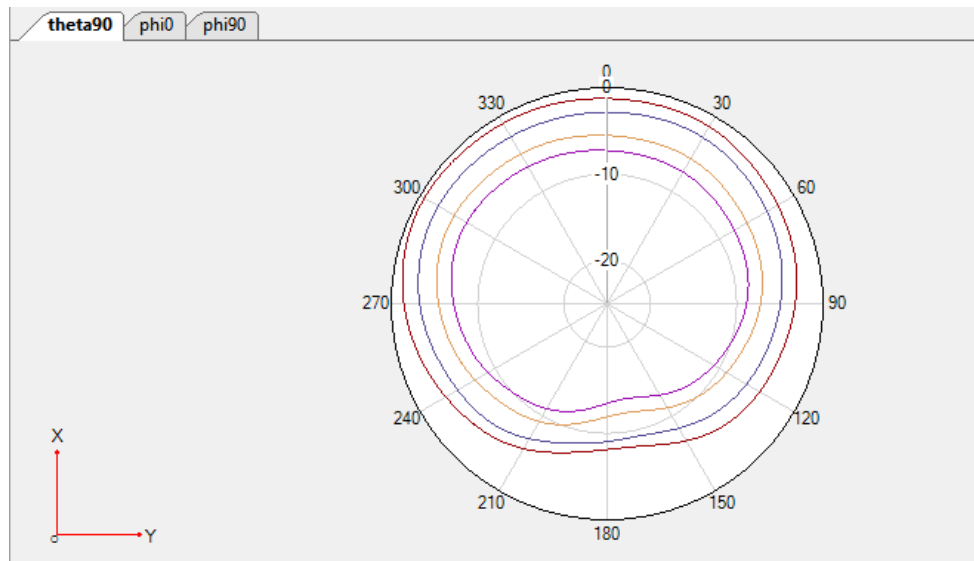
ANT2



GSM850/WCDMA B5/LTE B5  $\Phi=0^\circ$



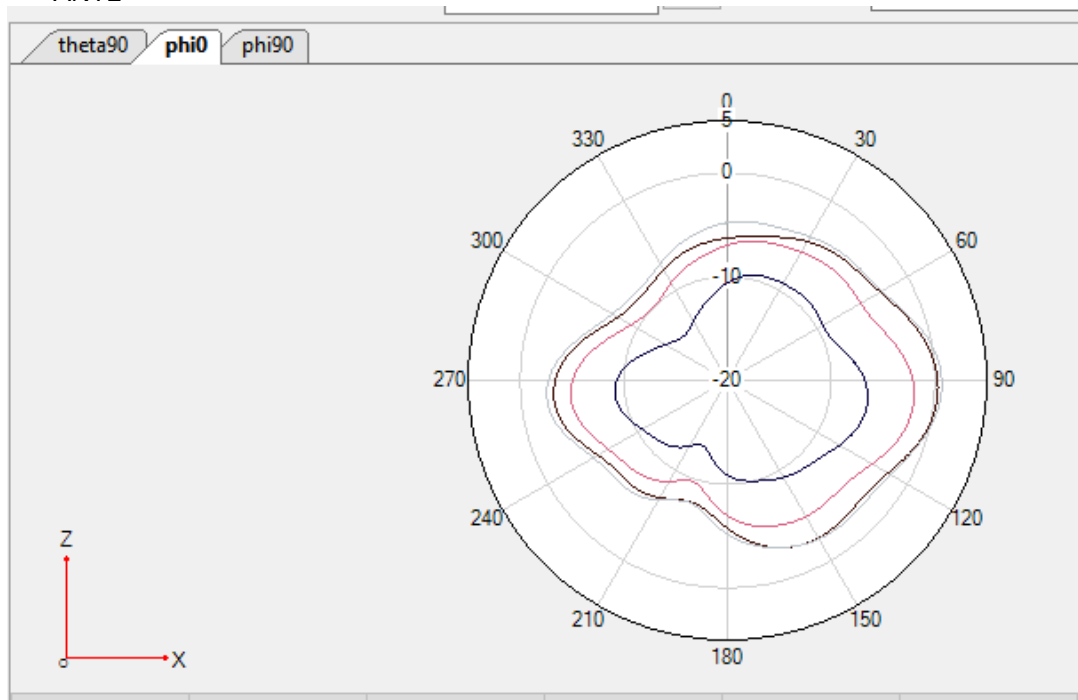
GSM850/WCDMA B5/LTE B5  $\Phi=90^\circ$



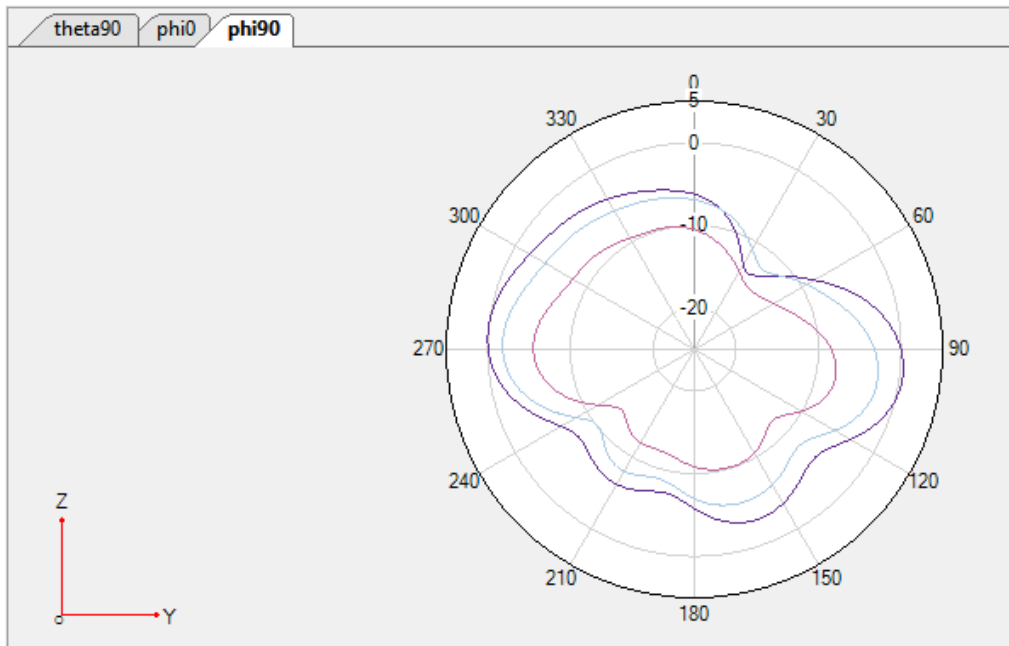
GSM850/WCDMA B5/LTE B5 Theta=90deg

※ Antenna Gain

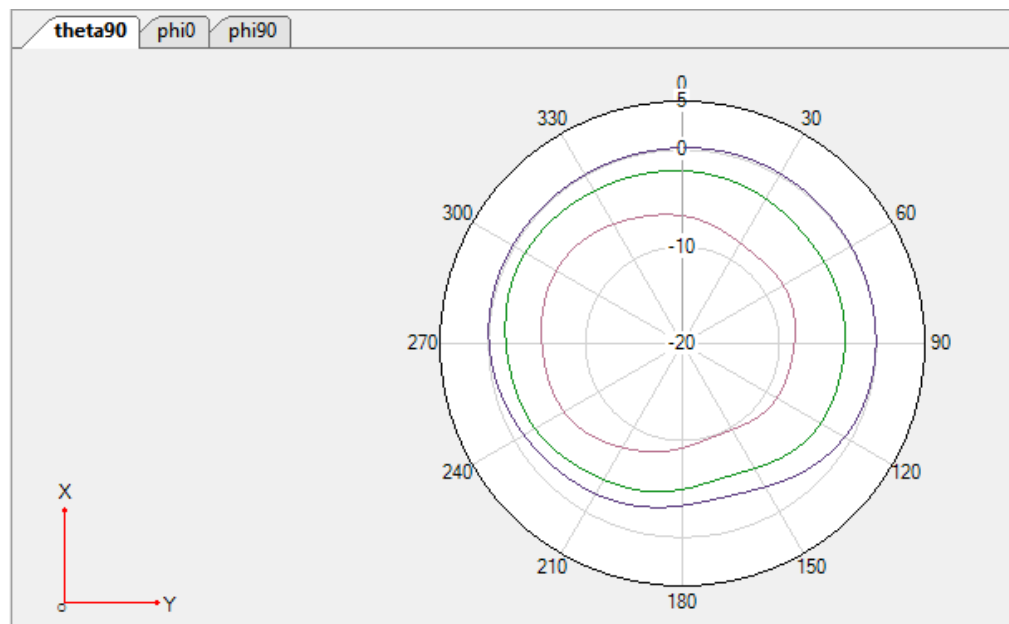
ANT2



LTE B12/B17/ B28A Phi=0deg



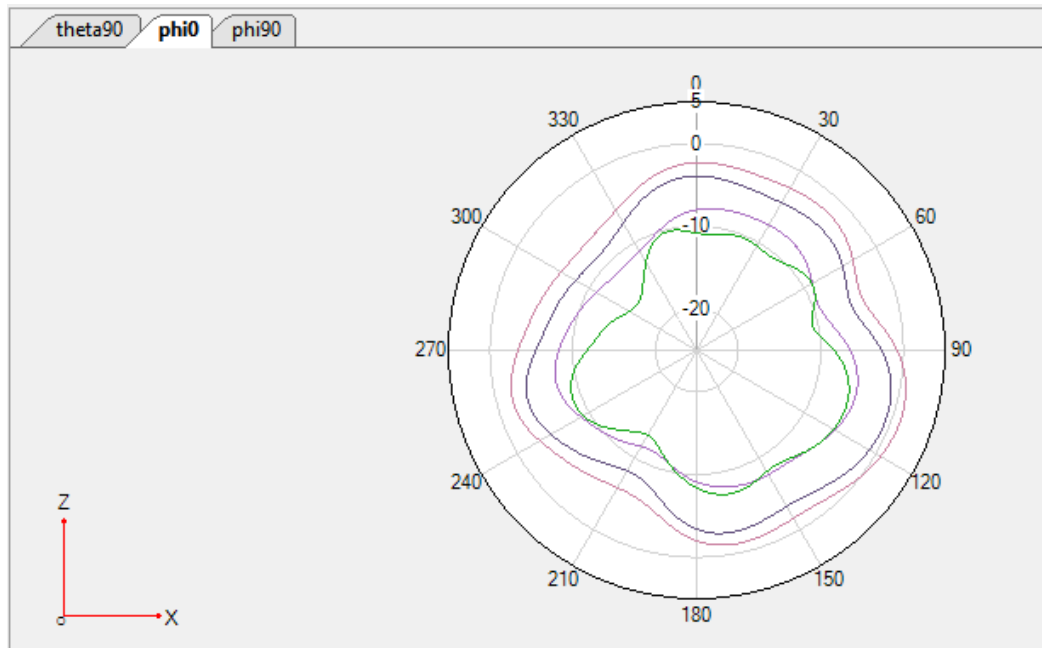
LTE B12/B17/ B28A Phi=90deg



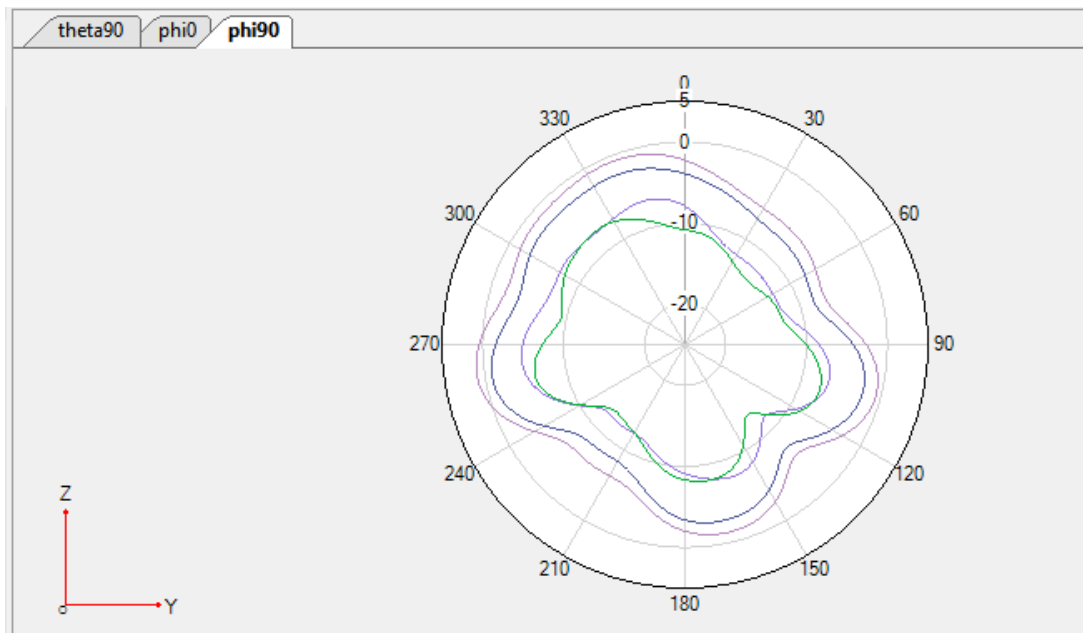
LTE B12/B17/ B28A Theta=90deg

※ Antenna Gain

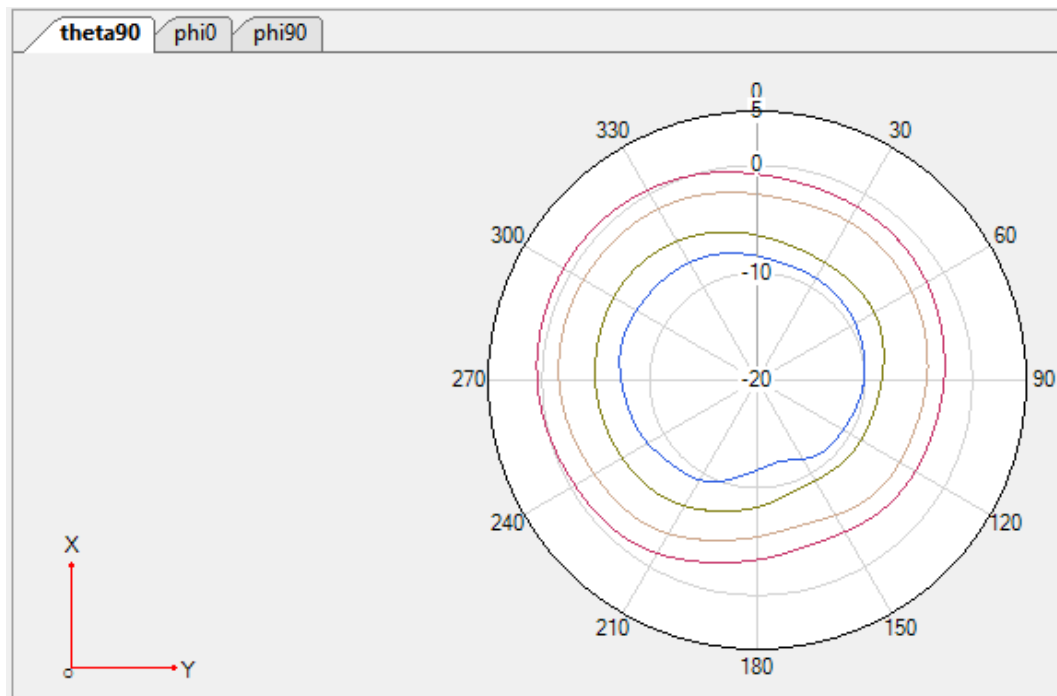
ANT2



LTE B20  $\Phi = 0^\circ$



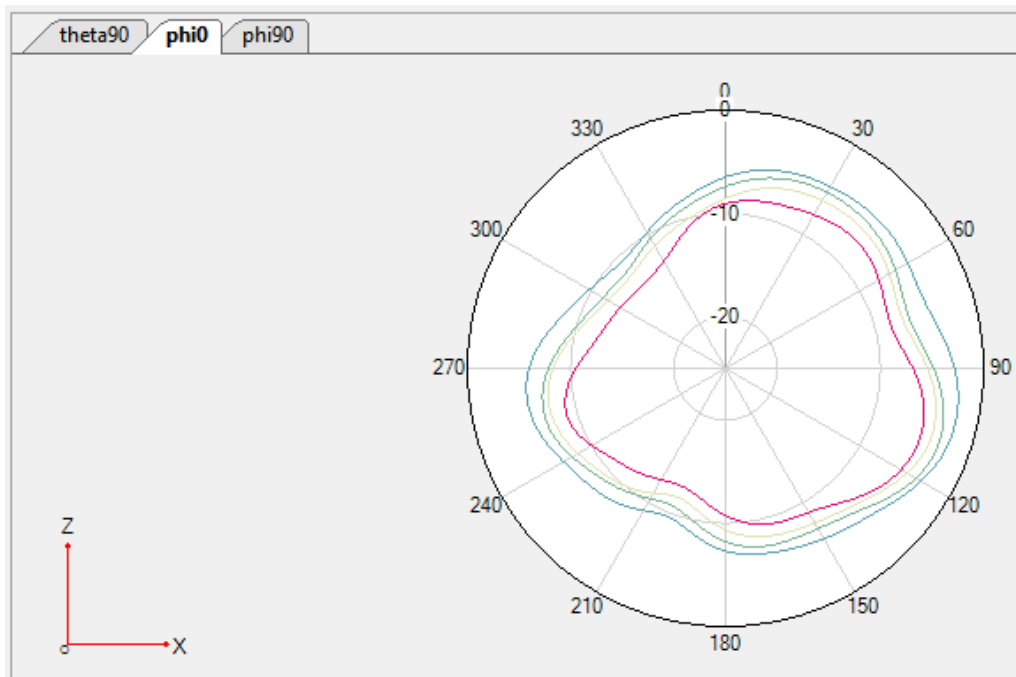
LTE B20  $\Phi = 90^\circ$



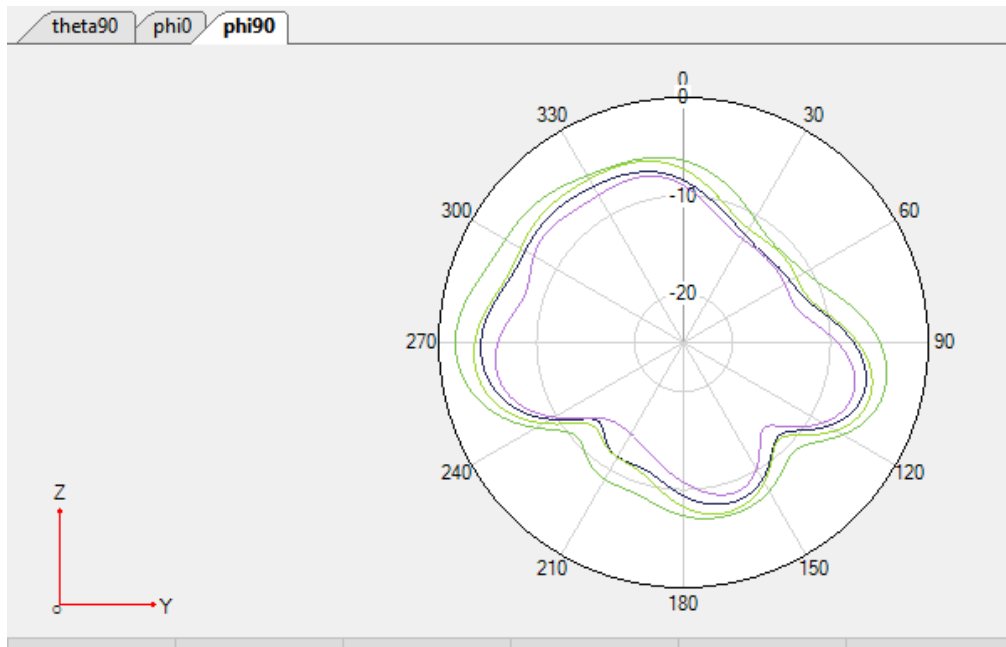
LTE B20 Theta=90deg

※ Antenna Gain

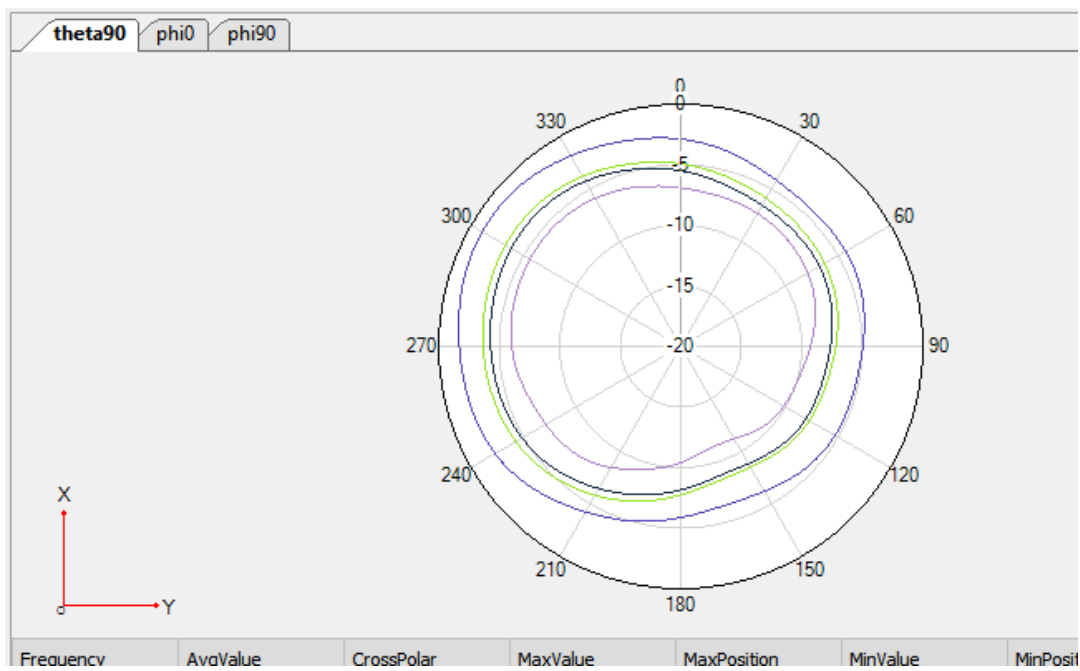
ANT2



LTE B28B Phi=0deg



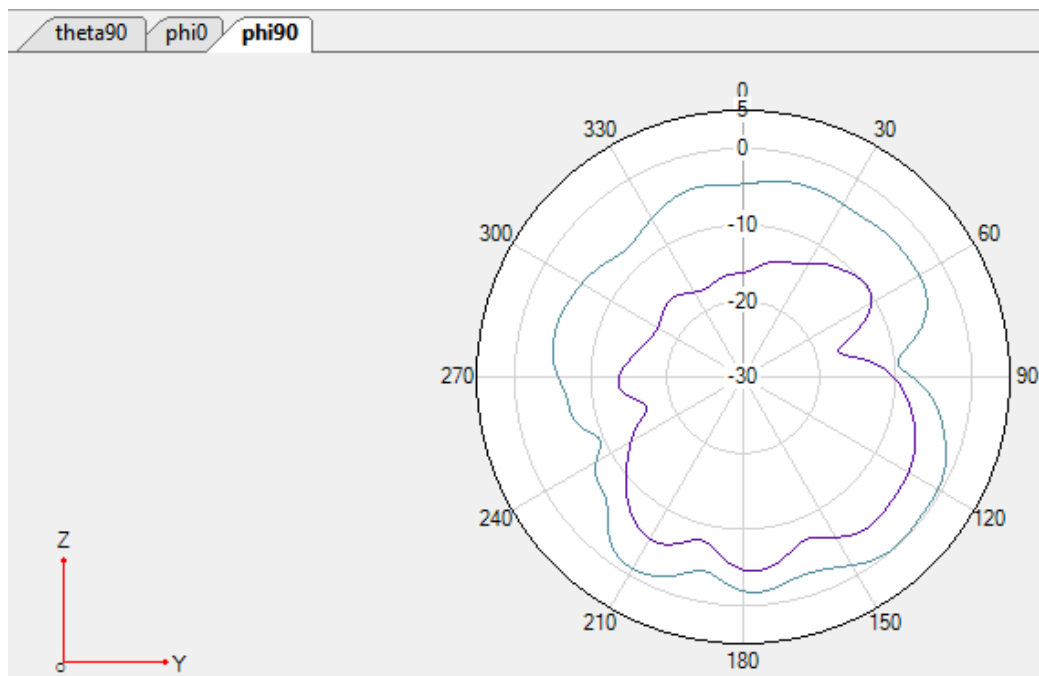
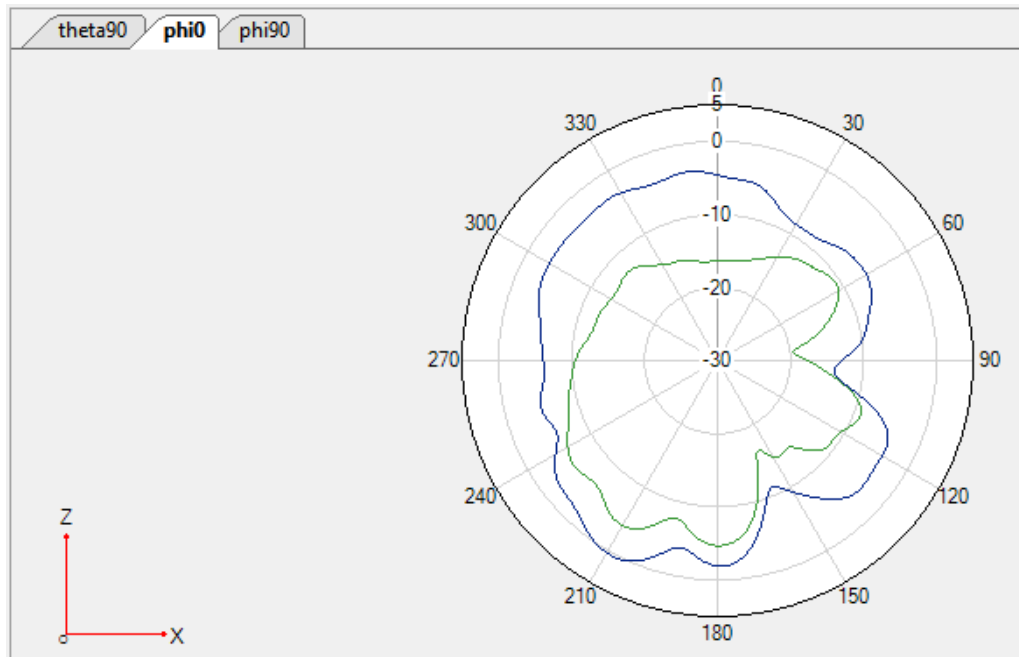
LTE B28B Phi=90deg

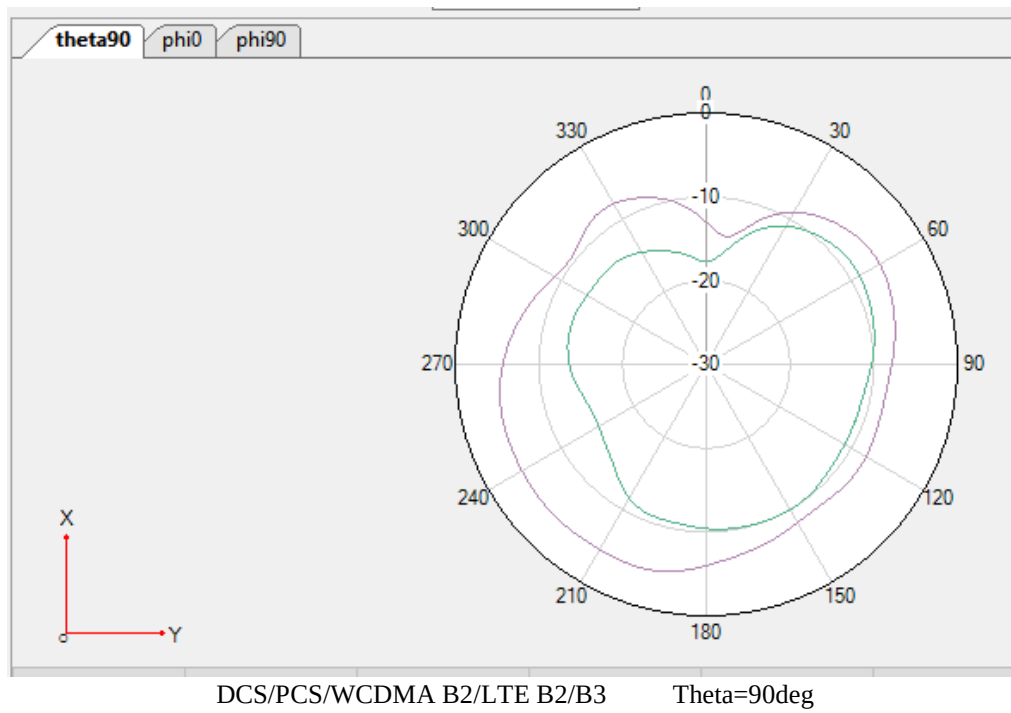


LTE B28B Theta=90deg

※ Antenna Gain

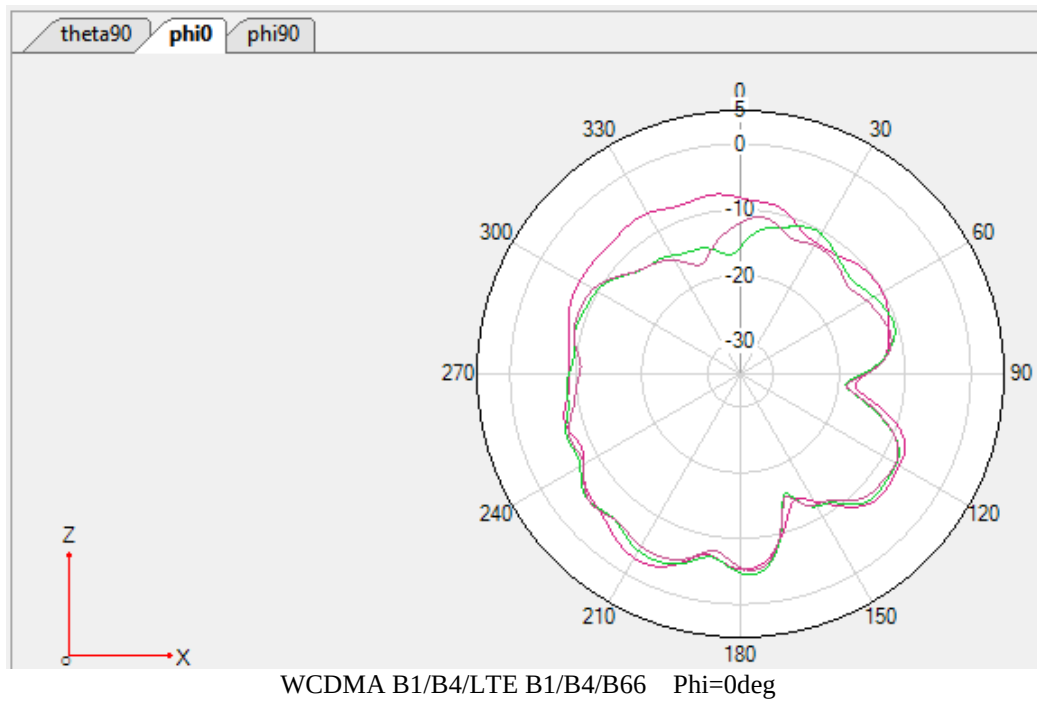
ANT3

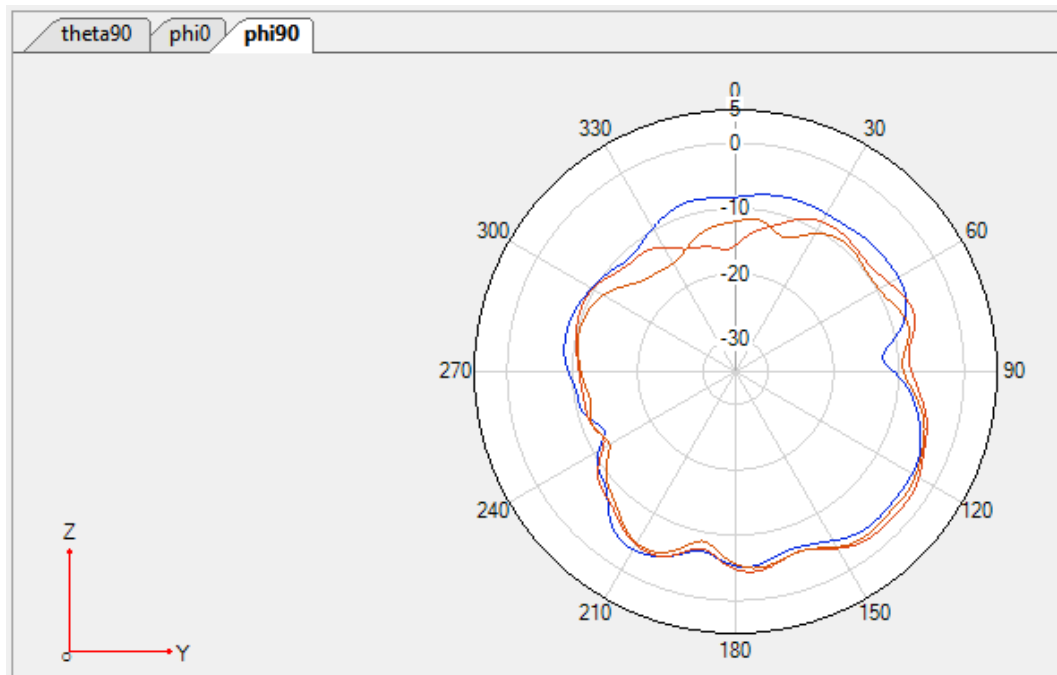




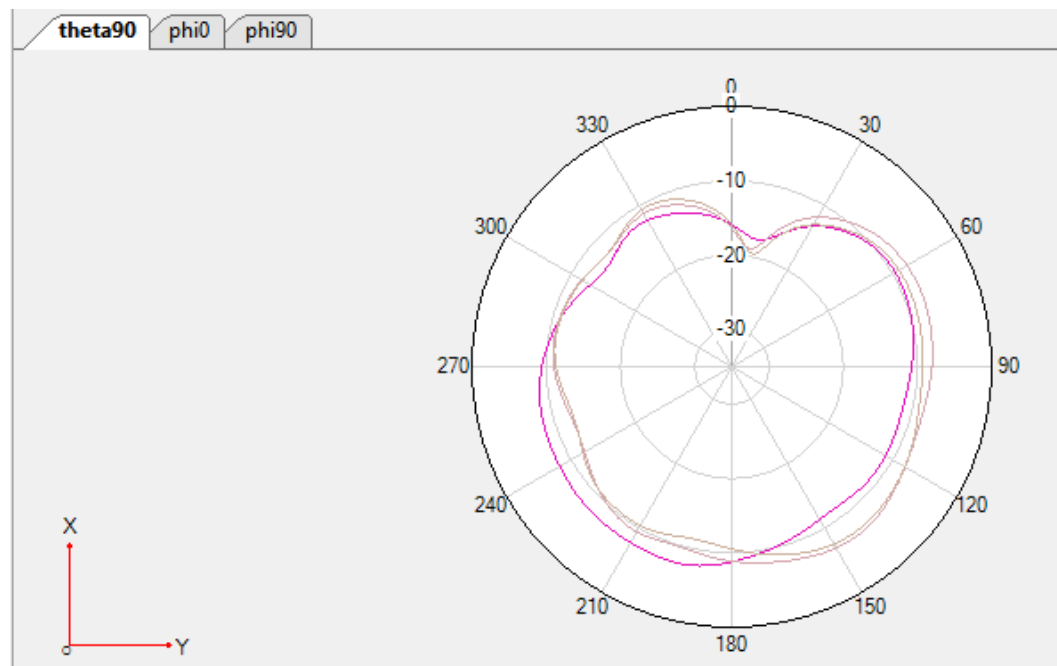
※ Antenna Gain

ANT3



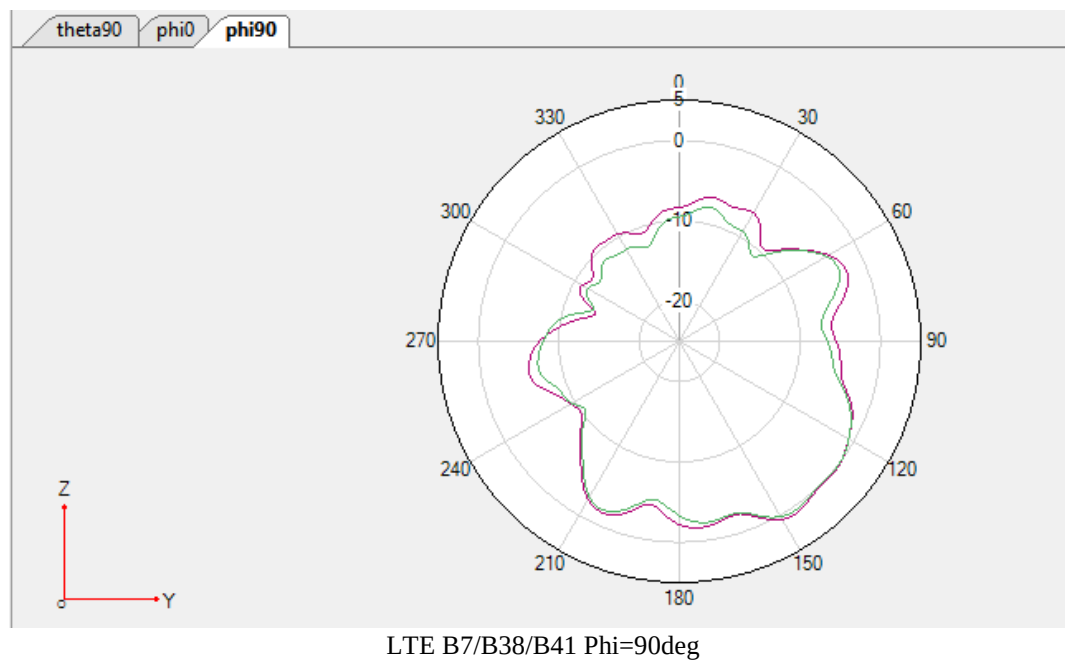
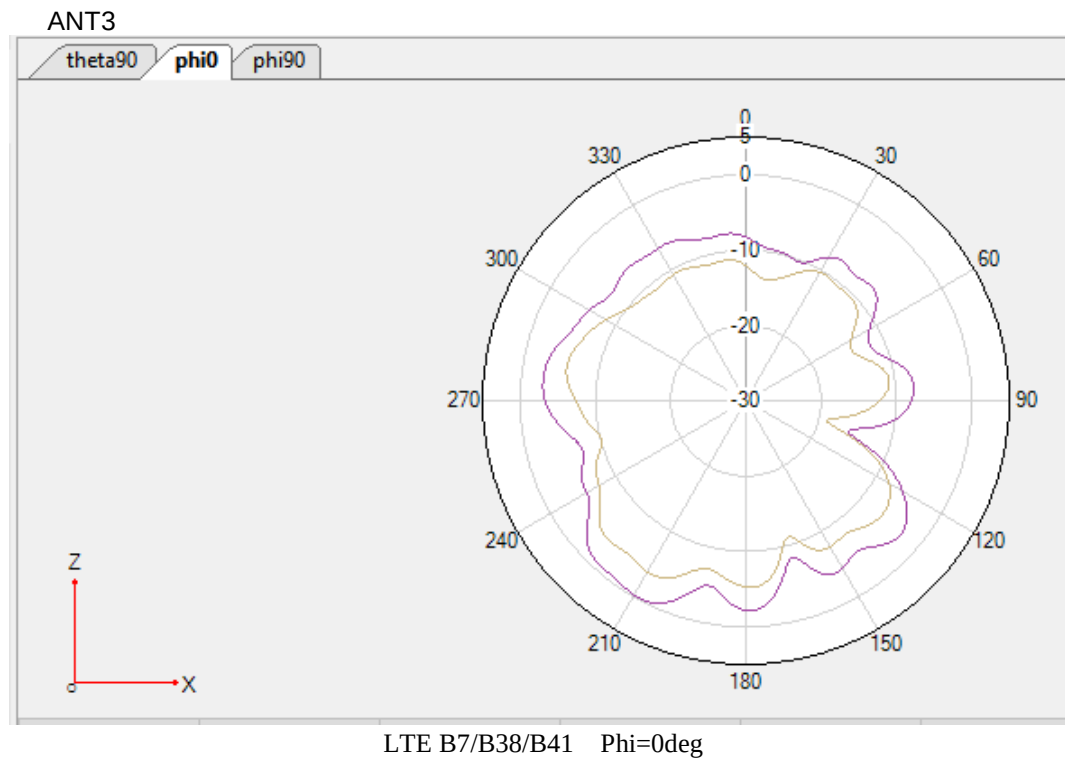


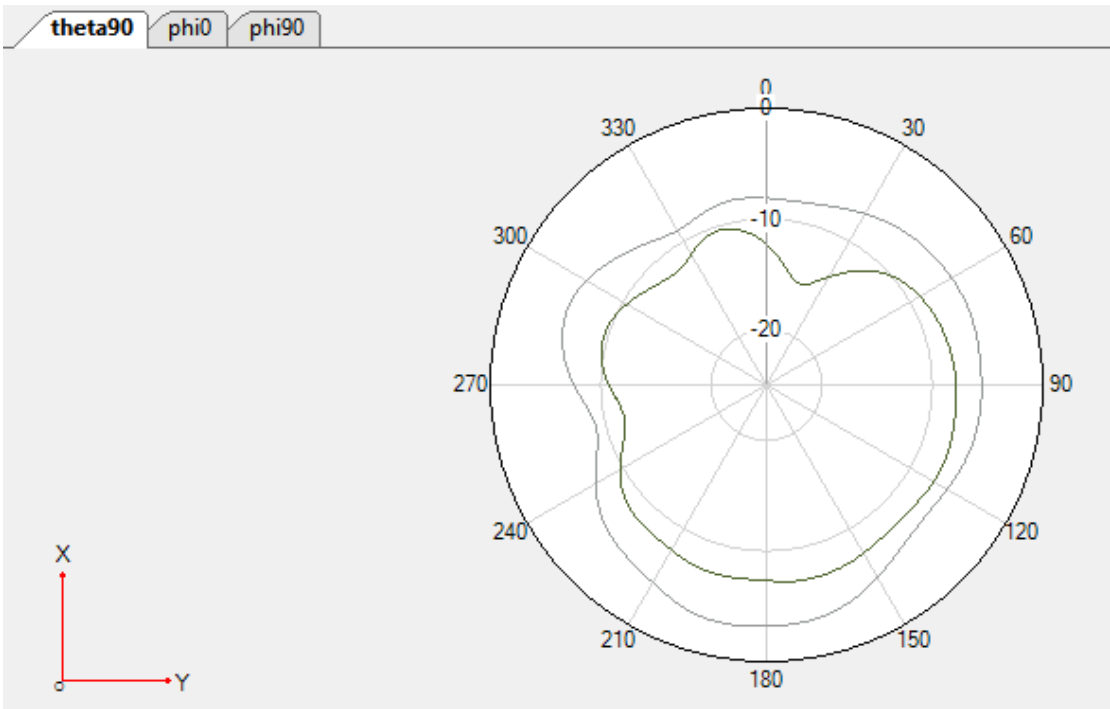
WCDMA B1/B4/LTE B1/B4/B66  $\Phi=90^\circ$



WCDMA B1/B4/LTE B1/B4/B66  $\Theta=90^\circ$

※ Antenna Gain





LTE B7/B38/B41   Theta=90deg

|             |           |             |        |            |
|-------------|-----------|-------------|--------|------------|
| PREPARED BY | CHECKEDBY | APPROVAL BY | S.R.NO |            |
|             |           |             | DATE:  | 2023/09/29 |