



## Feature

- ※ High gain
- ※ Omni-directional
- ※ Wide bandwidth

Main Antenna

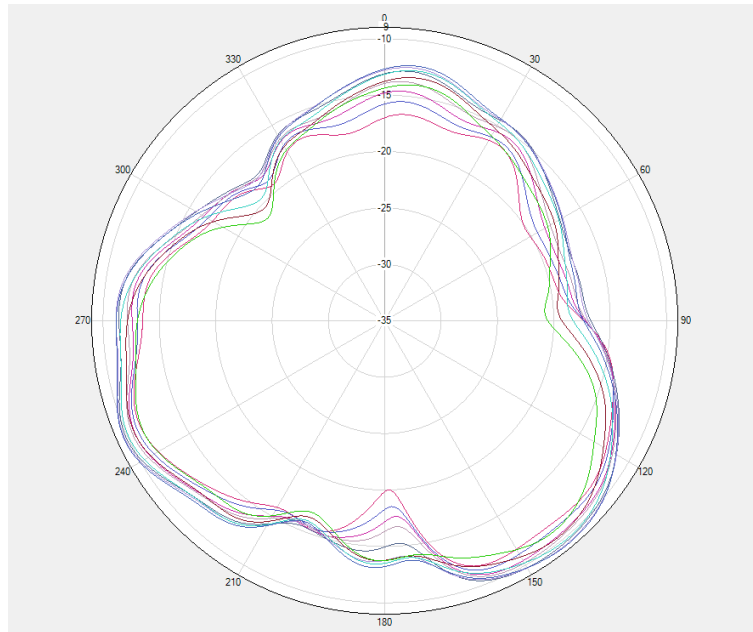
## Application

※ GSM850/900/DCS/PCS/WCDMA B1/B2/B4/B5/B8  
LTE B1/B2/B3/B4/B5/B7/B8/B20/B28/B38/B40/B41 communication applications

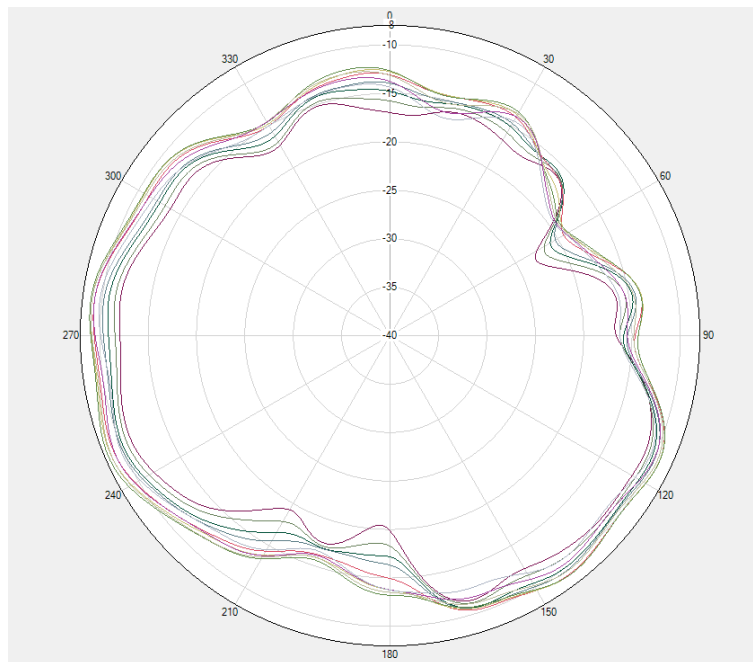
| TYPE                             |                                          |
|----------------------------------|------------------------------------------|
| Transmitter Frequency            | GSM 850/WCDMA B5/LTE B5: 824 – 849 MHz   |
|                                  | GSM 900/WCDMA B8/LTE B8: 880 – 915 MHz   |
|                                  | DCS /WCDMA B4/LTE B3/B4: 1710 – 1785 MHz |
|                                  | PCS/WCDMA B2/LTE B2:1850-1910MHz         |
|                                  | WCDMA B1/LTE B1: 1920 – 1980MHz          |
|                                  | LTE B7:2496-2565MHz                      |
|                                  | LTE B40:2300-2400MHz                     |
|                                  | LTE B38/B41:2565-2645MHz                 |
|                                  | LTE B20:832-862MHz                       |
|                                  | LTE 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: 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 B40:2300-2400MHz                     |
|                                  | LTE B38/41:2565-2645MHz                  |
|                                  | LTE B20:791-821MHz                       |
|                                  | LTE B28:758-803MHz                       |
| Main Antenna Gain<br>(Peak Gain) | GSM 850/WCDMA B5/LTE B5: -4.5dBi         |
|                                  | GSM 900/WCDMA B8/LTE B8: -4.7dBi         |
|                                  | DCS/WCDMA B4/ LTE B3/B4: 1.9dBi          |
|                                  | PCS/WCDMA B2/LTE B2: 1.8dBi              |
|                                  | WCDMA B1/LTE B1: 1.9dBi                  |
|                                  | LTE B7/B38/B41: 0.6dBi                   |
|                                  | LTE B40: 1.2dBi                          |
|                                  | LTE B20:-5.9dBi                          |
|                                  | LTE B28:-5.7dBi                          |
| 3in1 Antenna Gain<br>(Peak Gain) | GPS:0.1dBi                               |
|                                  | WIFI 2.4G:1.2dBi 5G: 2.5dBi              |

※ Antenna Gain

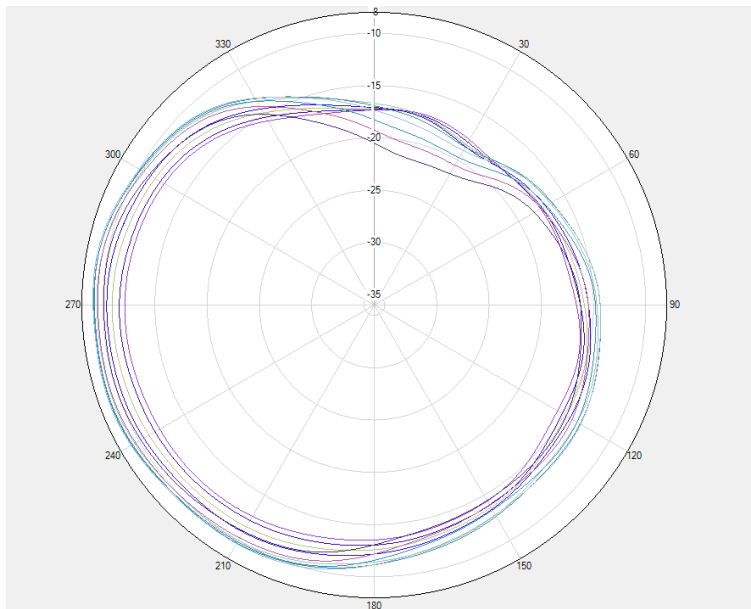
Main Antenna



GSM850 / WCDMA B5 / LTE B5/B20 Phi=0deg



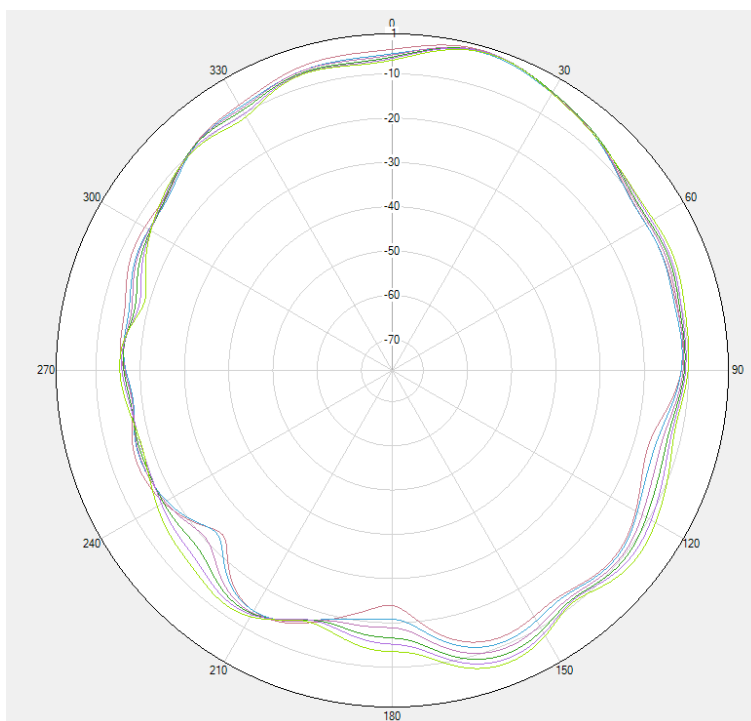
GSM850 / WCDMA B5 / LTE B5/B20 Phi=90deg



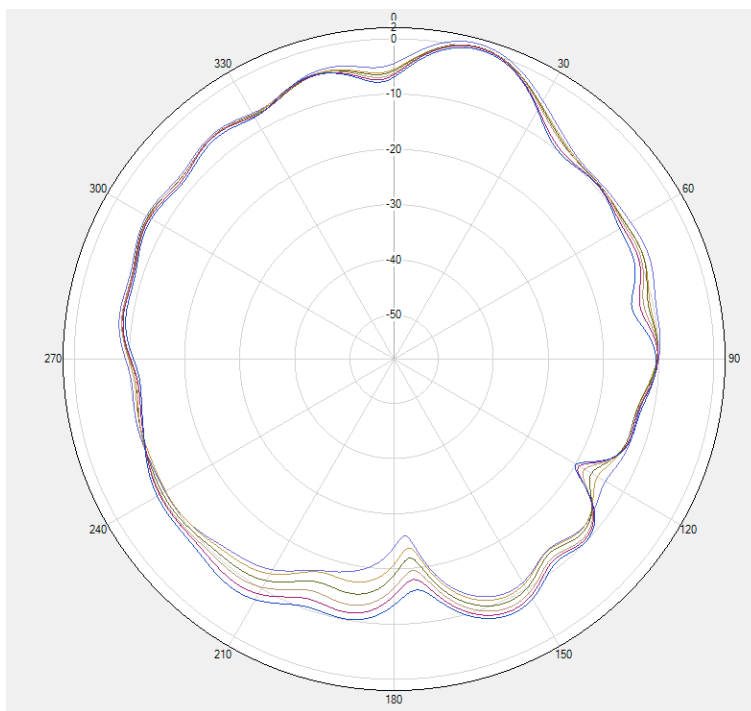
GSM850 / WCDMA B5 / LTE B5/B20 Theta=90deg

※ Antenna Gain

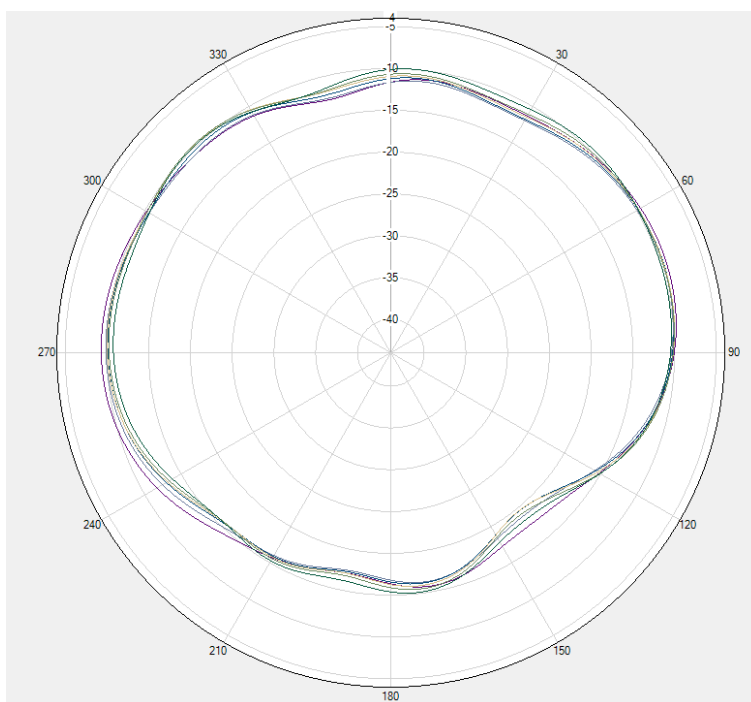
Main Antenna



LTE B40 Phi=0deg



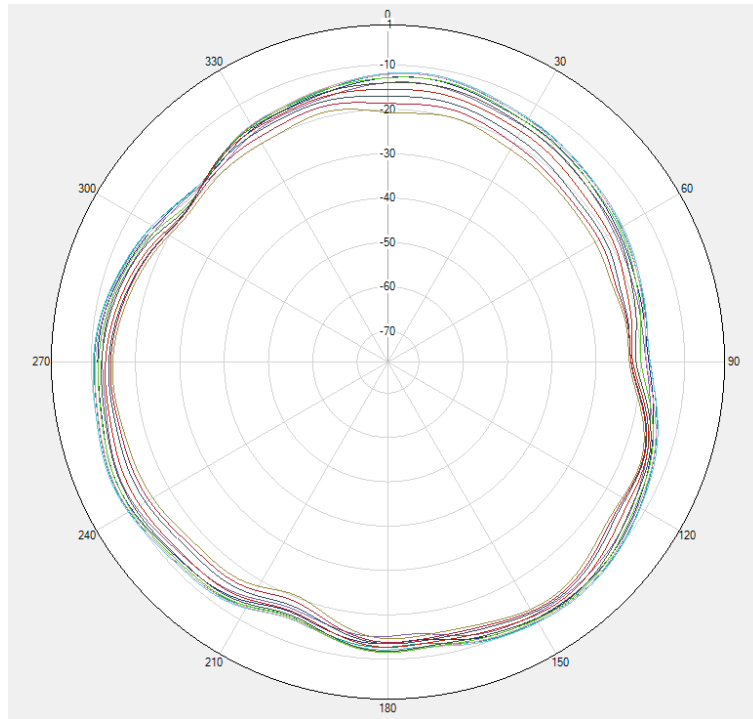
LTE B40  $\Phi=90^\circ$



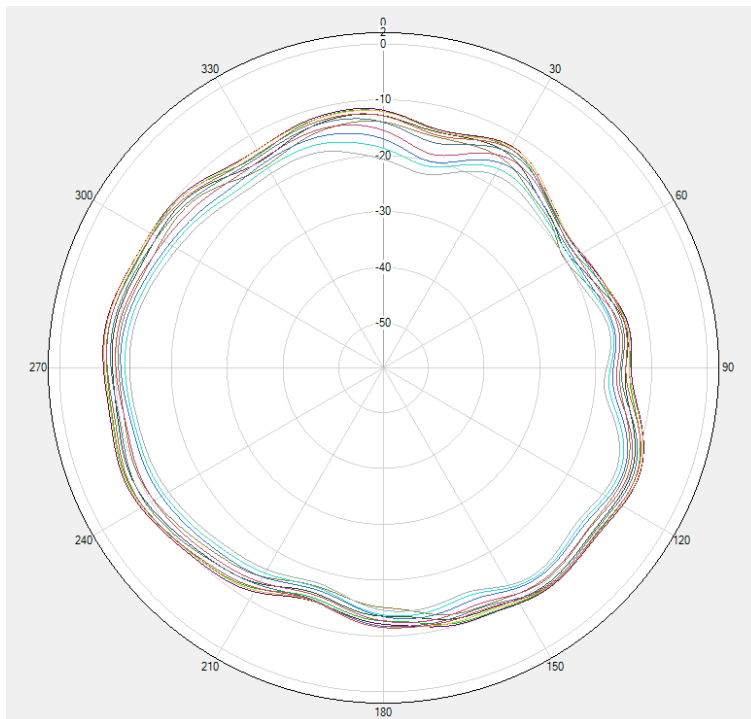
LTE B40  $\Theta=90^\circ$

※ Antenna Gain

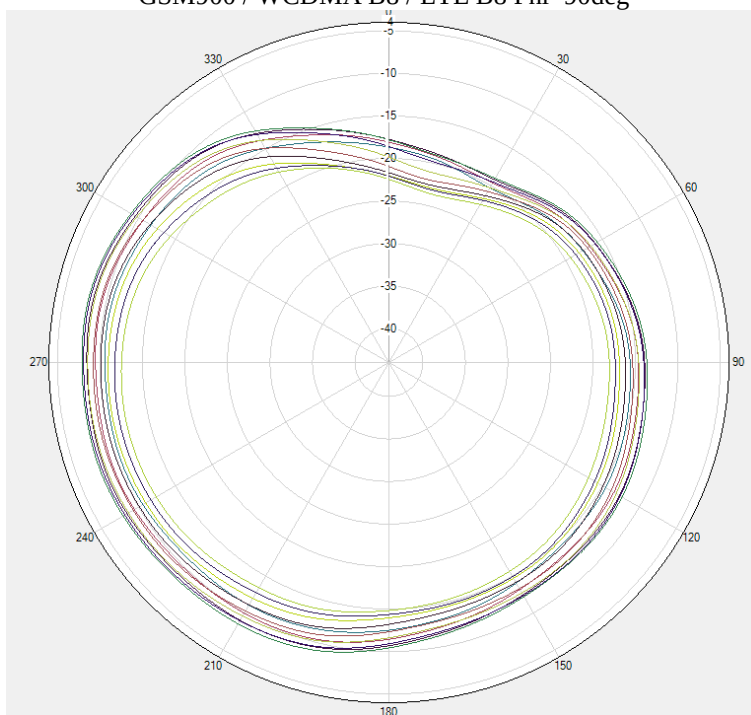
Main Antenna



GSM900 / WCDMA B8 / LTE B8  $\Phi=0^\circ$



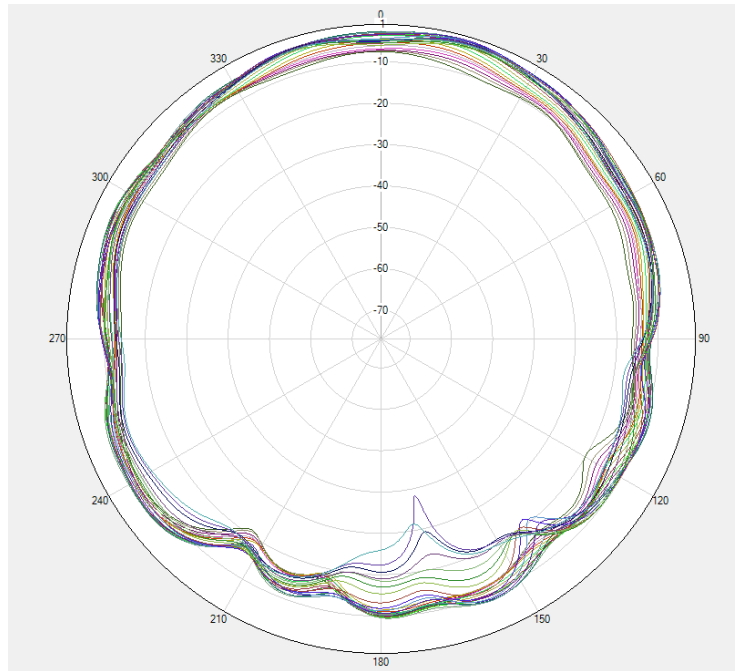
GSM900 / WCDMA B8 / LTE B8  $\Phi=90^\circ$



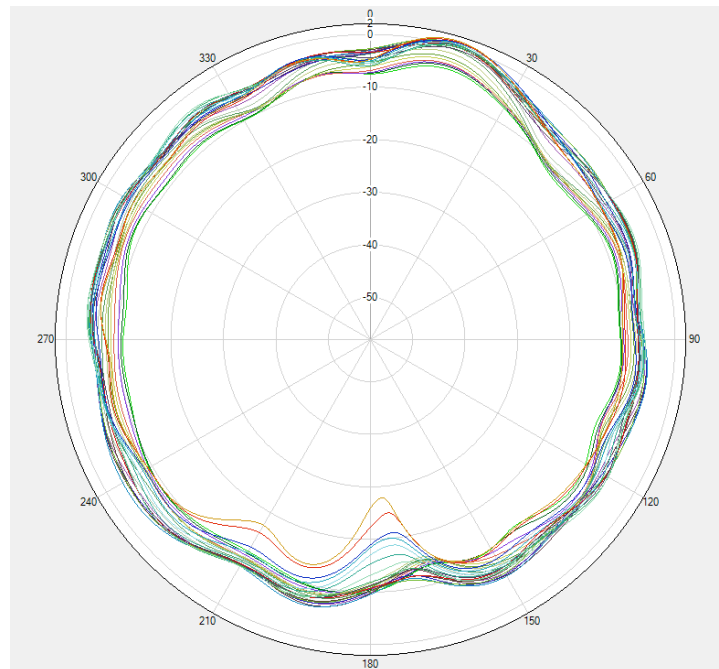
GSM900 / WCDMA B8 / LTE B8  $\Theta=90^\circ$

※ Antenna Gain

Main Antenna

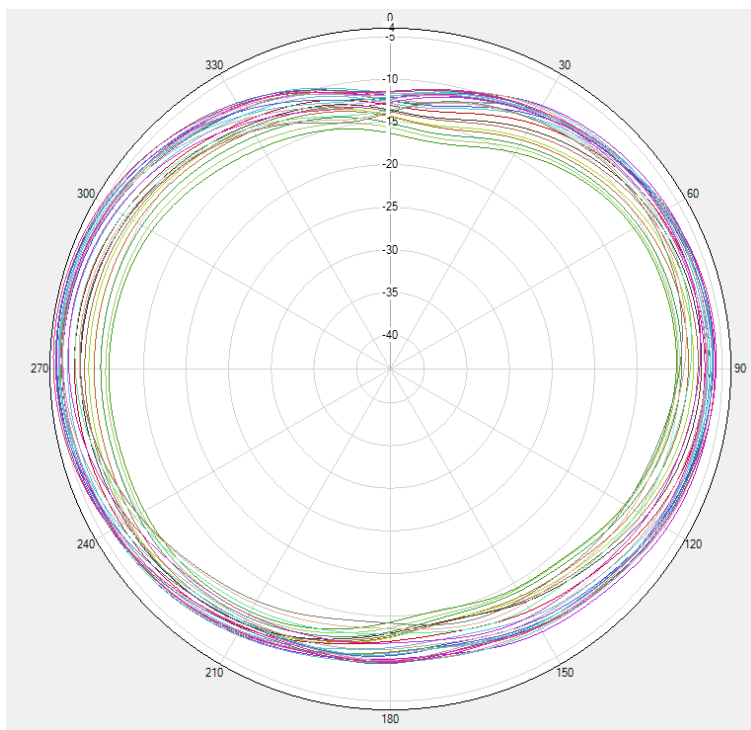


DCS1800/PCS1900/WCDMA B1/B2/B4/ LTE B1/B2/B3/B4 Phi=0deg



DCS1800/PCS1900/WCDMA B1/B2/B4/ LTE B1/B2/B3/B4 Phi=90deg

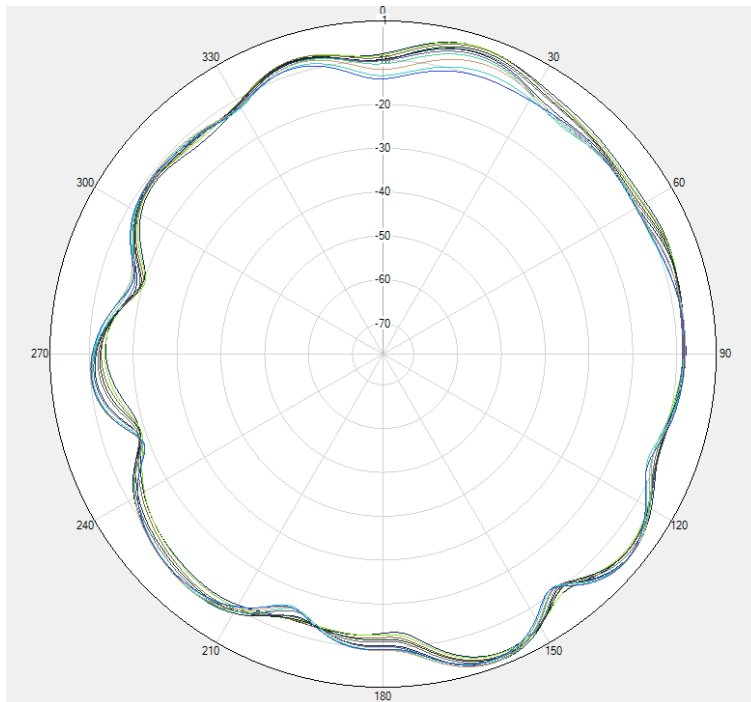




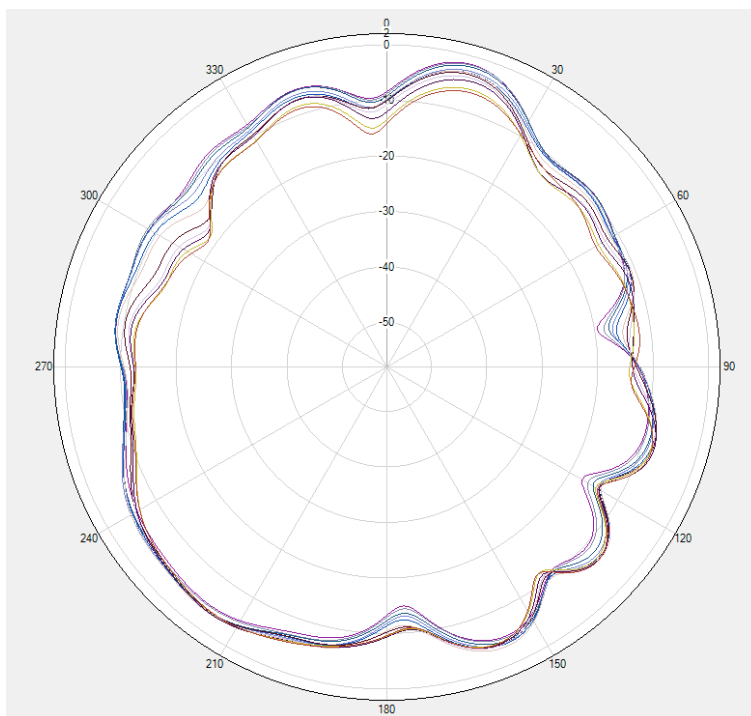
DCS1800/PCS1900/WCDMA B1/B2/B4/ LTE B1/B2/B3/B4 Theta=90deg

※ Antenna Gain

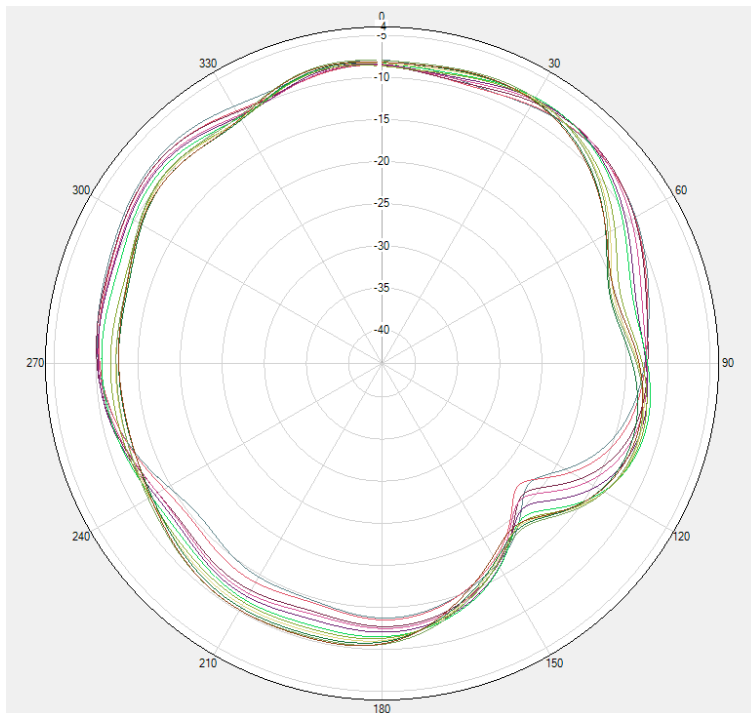
Main Antenna



LTE B7/B38/41  $\Phi=0^\circ$



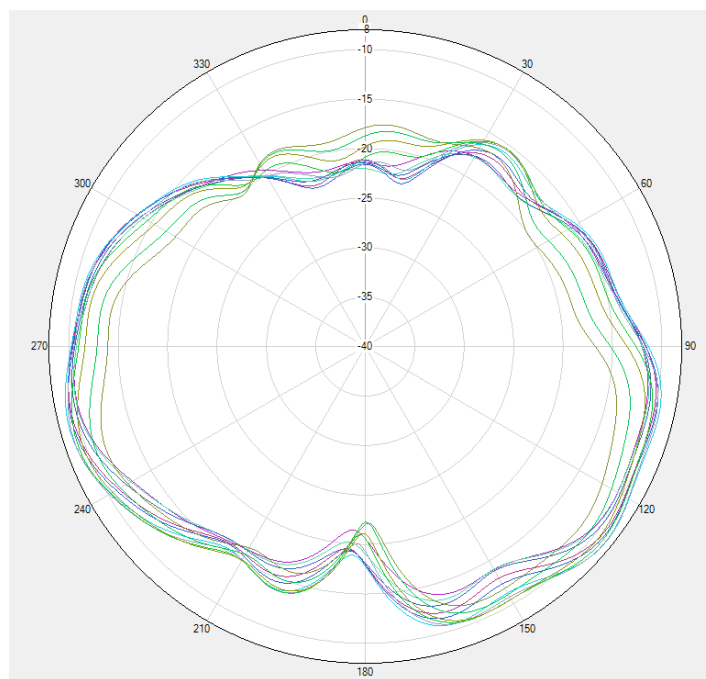
LTE B7/B38/41  $\Phi=90^\circ$



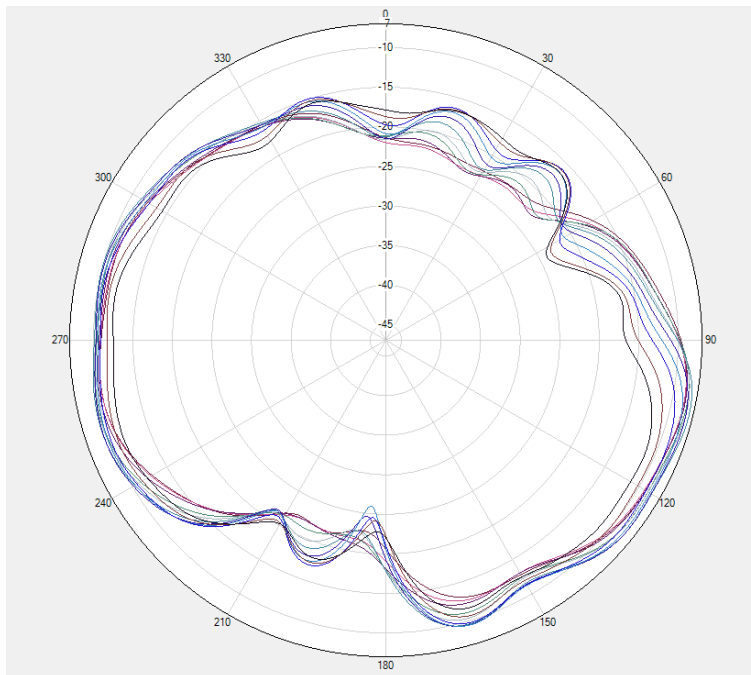
LTE B7/B38/41 Theta=90deg

※ Antenna Gain

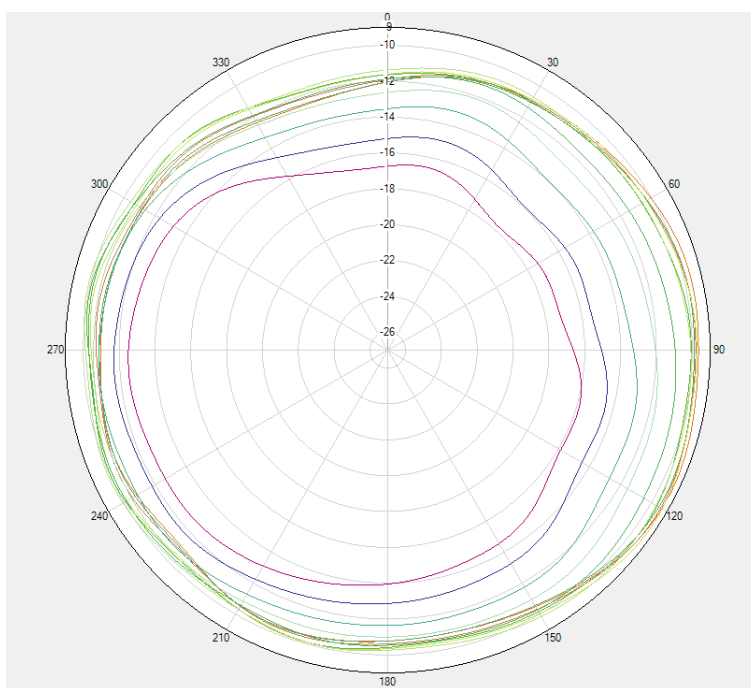
Main Antenna



LTE B28 Phi=0deg



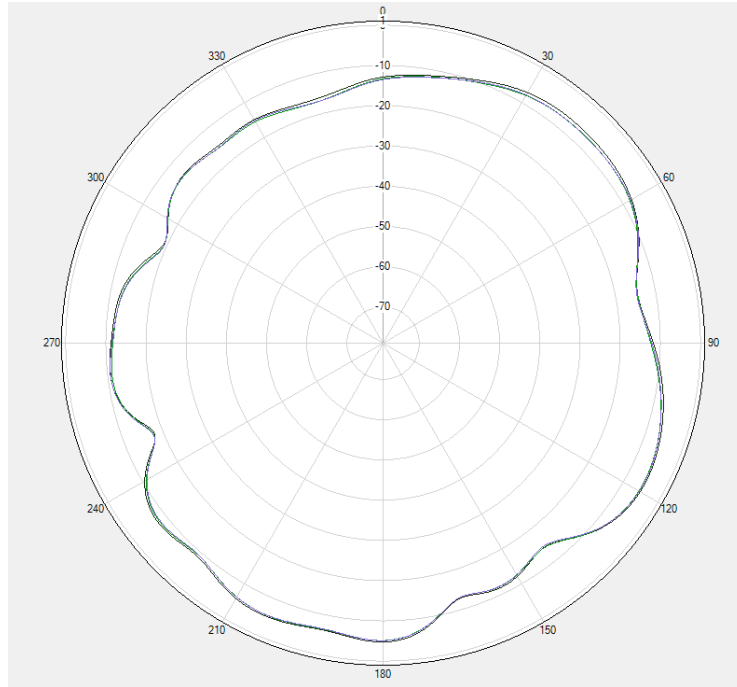
LTE B28  $\Phi=90^\circ$



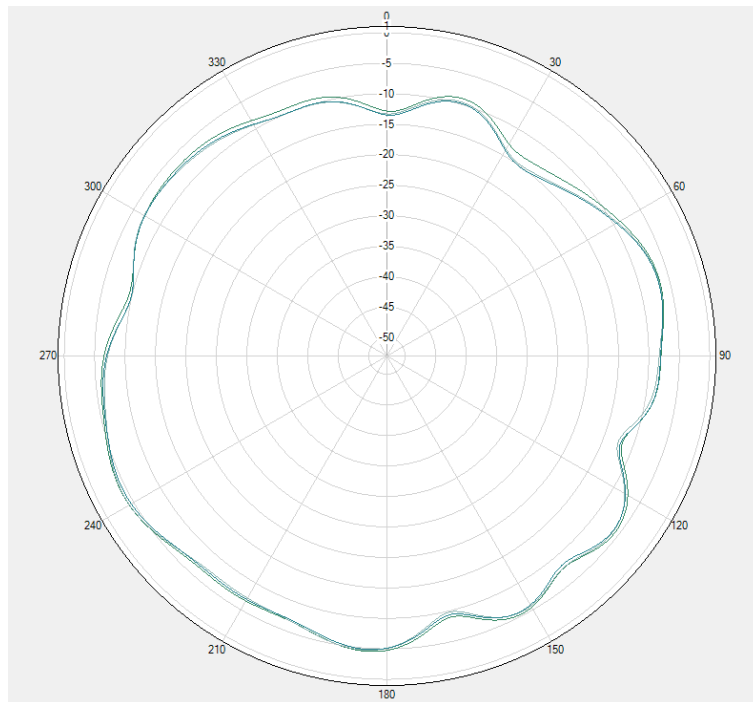
LTE B28  $\Theta=90^\circ$

※ Antenna Gain

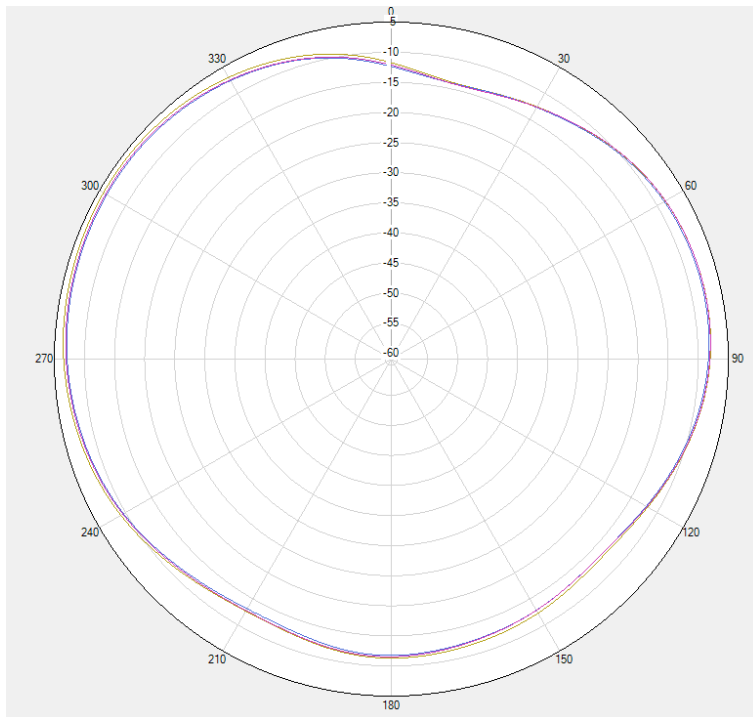
GPS Antenna



GPS  $\Phi = 0^\circ$



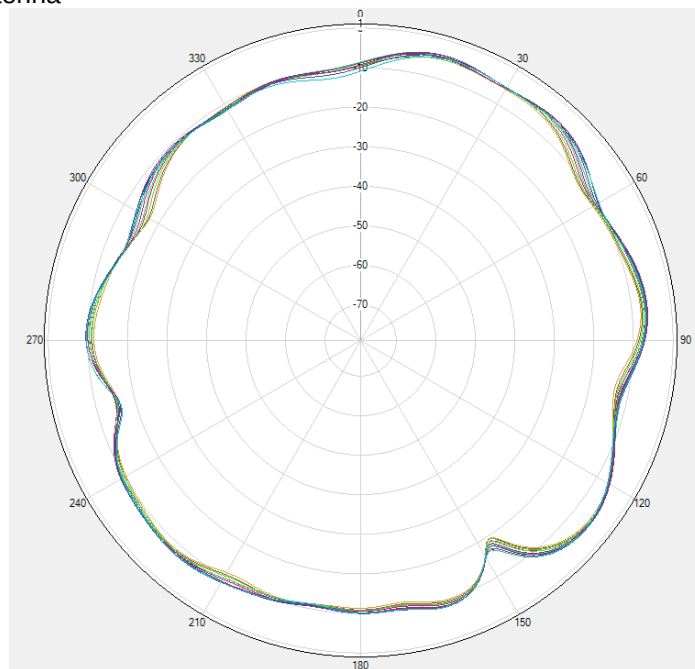
GPS  $\Phi = 90^\circ$



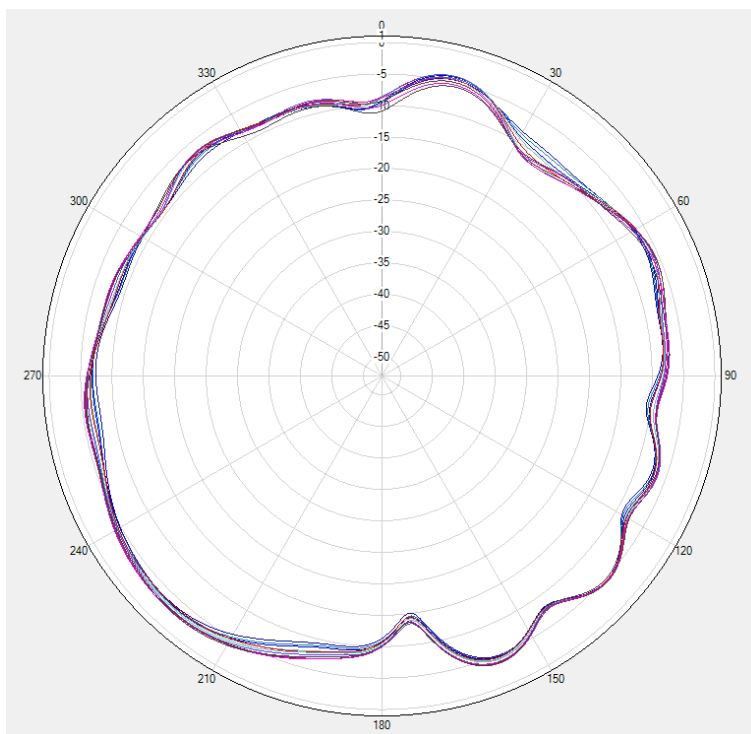
GPS  $\Theta = 90^\circ$

※ Antenna Gain

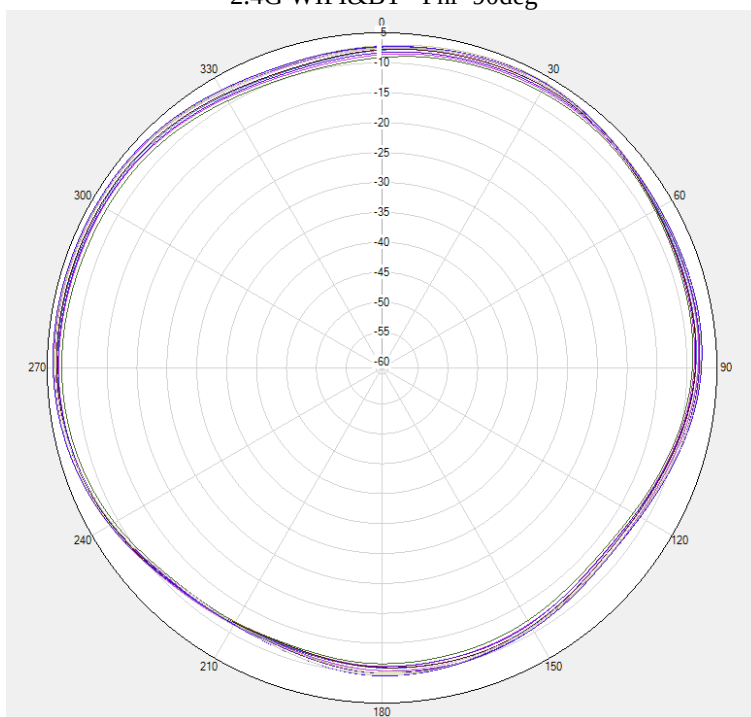
2.4G WIFI&BT Antenna



2.4G WIFI&BT  $\Phi = 0^\circ$

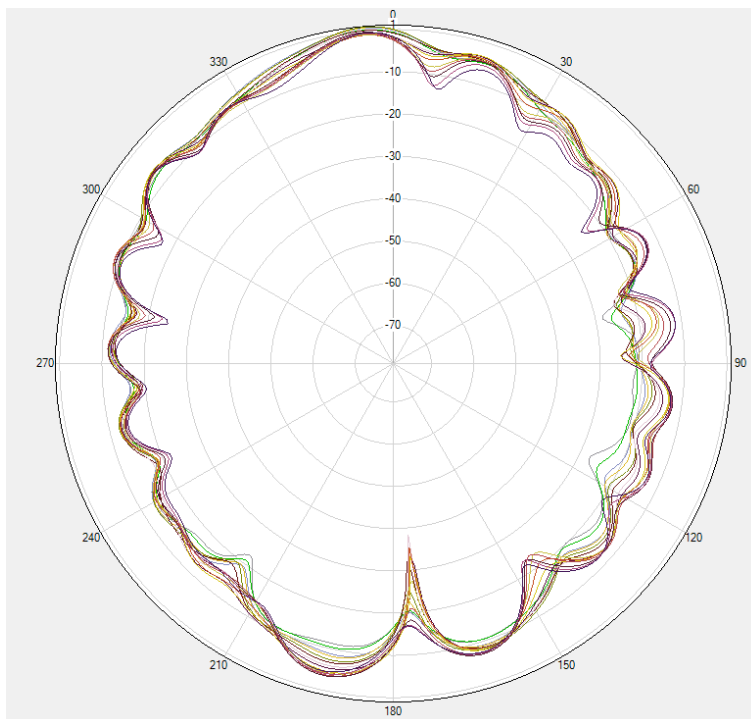


2.4G WIFI&BT  $\Phi=90^\circ$



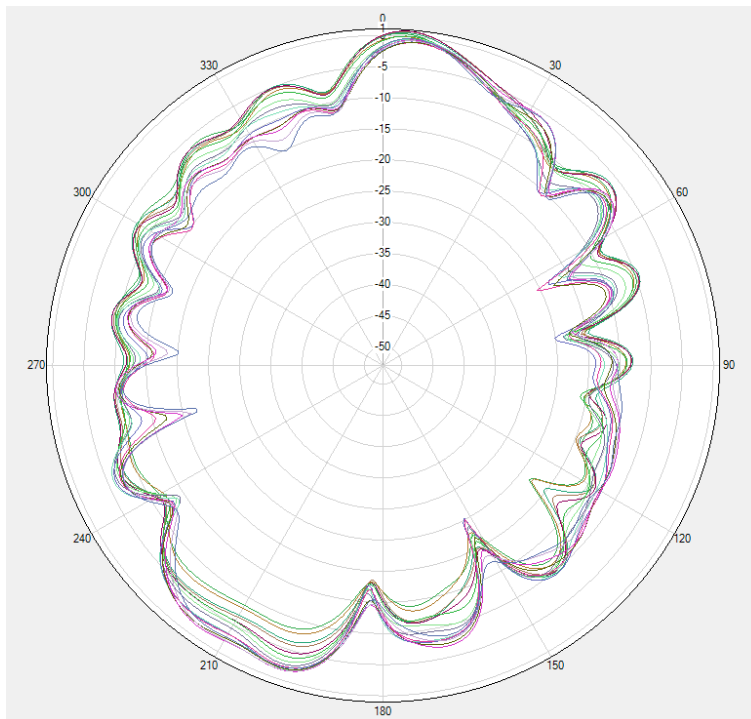
2.4G WIFI&BT  $\Theta=90^\circ$

※ Antenna Gain  
5G WIFI Antenna

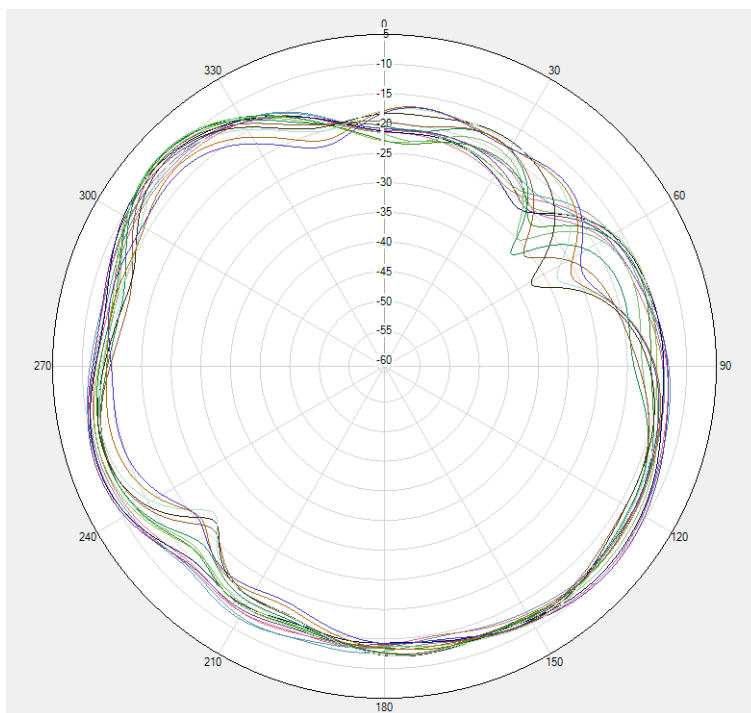


5G WIFI Phi=0deg



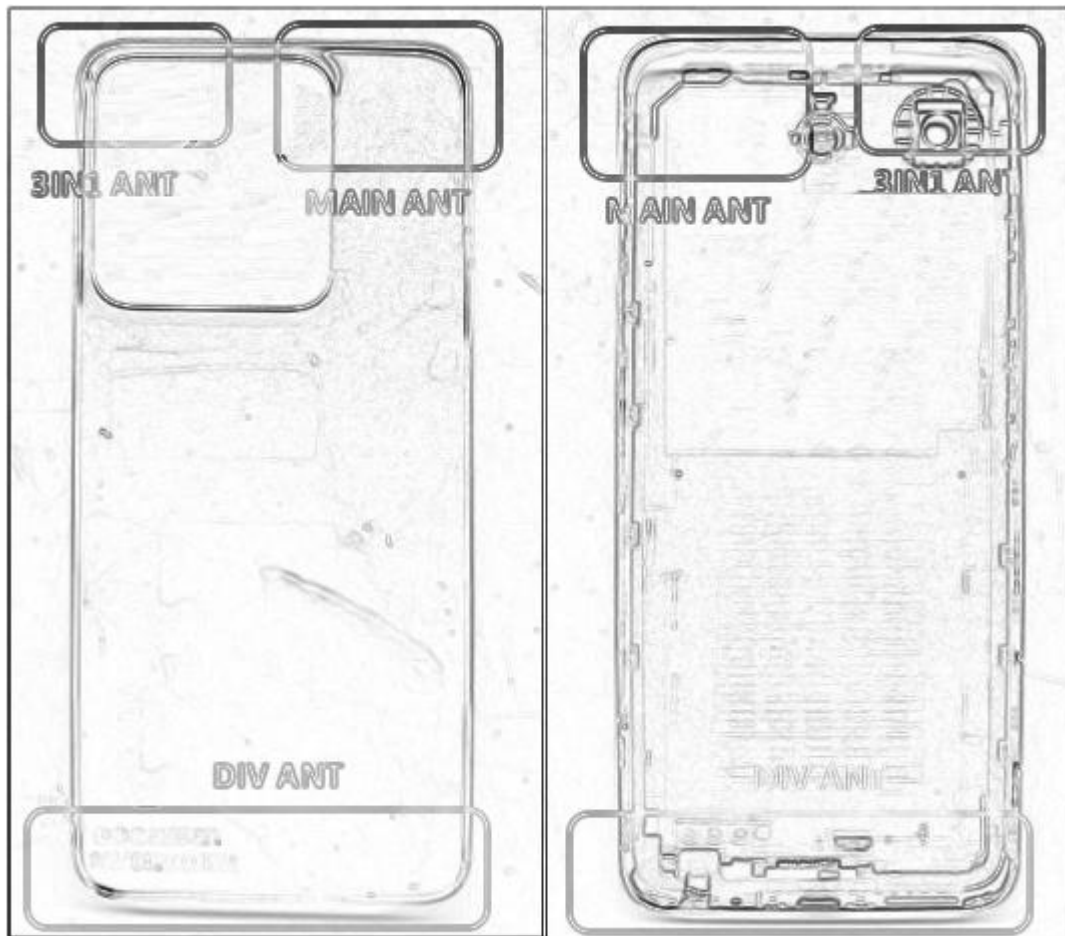


5G WIFI  $\Phi=90^\circ$

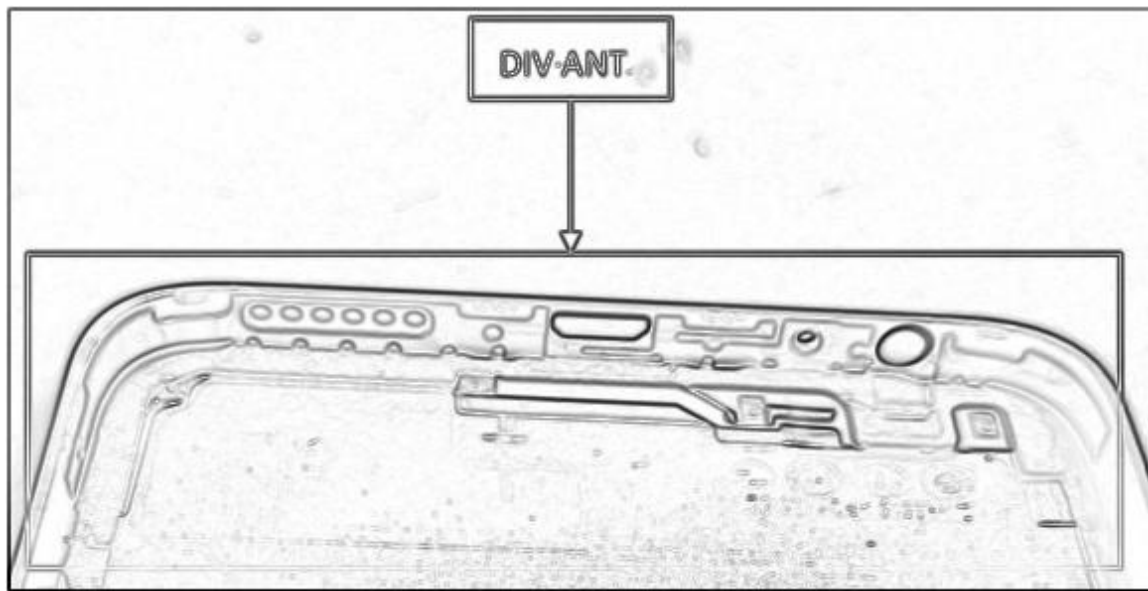
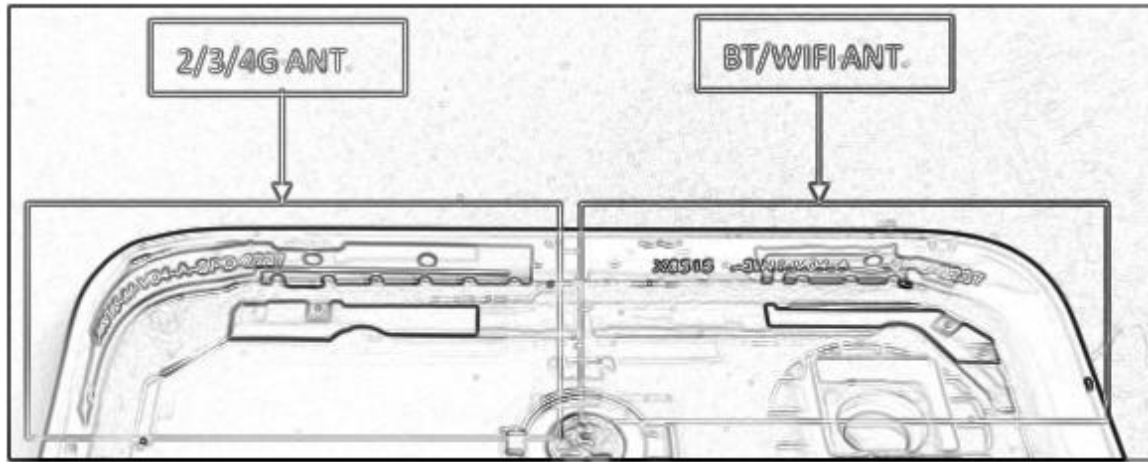


5G WIFI  $\Theta=90^\circ$

Ant Position:



ANT:



|             |           |             |        |          |
|-------------|-----------|-------------|--------|----------|
| PREPARED BY | CHECKEDBY | APPROVAL BY | S.R.NO |          |
|             | xiao.li   |             | DATE:  | 2022/9/7 |