

## Feature

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

## Application

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

LTE B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B26/B28/B38/B40/B41/B66

| Name and address of the antenna manufacturer                                                                                                                                                        | Model number of the antenna                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Shenzhen Weichuang Communication Technology Co., Ltd<br>1-3/F, Building 8, Tongfu Estate Industrial Zone,<br>Dalang Community, Dalang Street, Longhua District,<br>Shenzhen (Shenzhen Headquarters) | KM4-ANT0-WTT-XX-XX<br>KM4-ANT1&ANT12&ANT13-WTT-XX-XX<br>(XX:Version-Date) |

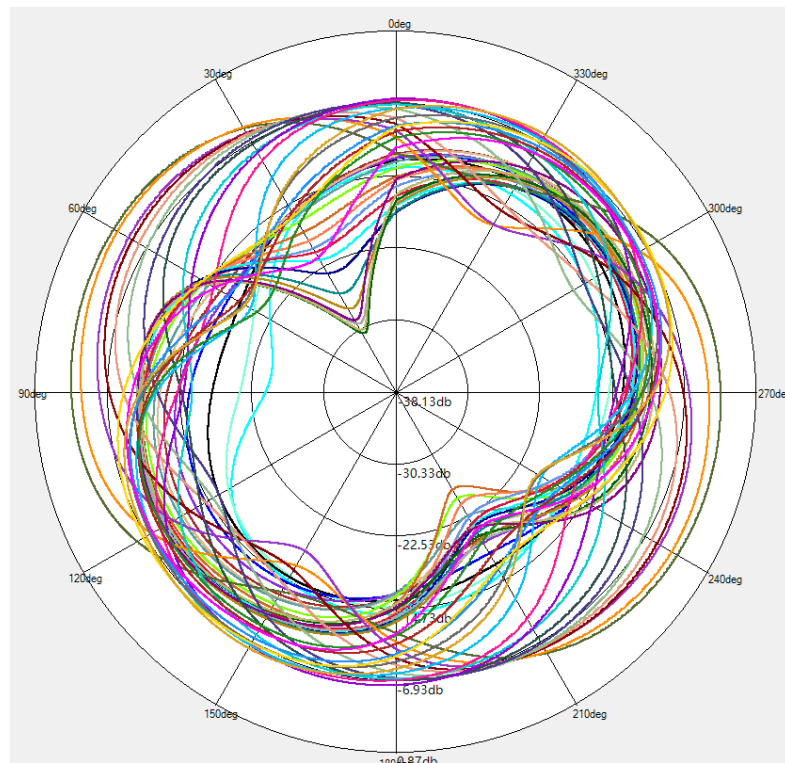
| TYPE                  |                                               |
|-----------------------|-----------------------------------------------|
| Transmitter Frequency | GSM 850/WCDMA B5/LTE B5/26 : 824 – 849 MHz    |
|                       | GSM 900/WCDMA B8/LTE B8 : 880 – 915 MHz       |
|                       | 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 B40 :2300-2400MHz                         |

|                           |       |                                                                              |
|---------------------------|-------|------------------------------------------------------------------------------|
|                           |       | LTE B38/B41 :2565-2645MHz                                                    |
|                           |       | LTE B12/B13/B17/B28 :710-755MHz                                              |
|                           |       |                                                                              |
|                           |       |                                                                              |
| Receiver Frequency        |       | GSM 850/WCDMA B5/LTE B5/B26: 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 B40 :2300-2400MHz                                                        |
|                           |       | LTE B38/41 :2565-2645MHz                                                     |
|                           |       | LTE B12/B13/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/B7/B8/B12<br>/B13/B17/B26/B28/B38/B40/B41/B66: 23+/-2dBm |
|                           |       | WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm                                             |
| Antenna Gain              | ANT1  | GSM 850/WCDMA B5/LTE B5/B26 :-4.85 dBi                                       |
|                           |       | GSM 900/WCDMA B8/LTE B8 : -5.1 dBi                                           |
|                           |       | DCS /WCDMA B4/LTE B3/B4/B66 : -2.86dBi                                       |
|                           |       | PCS/WCDMA B2/LTE B2: -2.3dBi                                                 |
|                           |       | WCDMA B1/LTE B1 : -0.38dBi                                                   |
|                           |       | LTE B7/B38/B41 : 0.65dBi                                                     |
|                           |       | LTE B40 : 0.76dBi                                                            |
|                           |       | LTE B12/B13/B17/B28 :-5.5dBi                                                 |
|                           | ANT0  | GSM 900/WCDMA B8/LTE B8 : -6.68dBi                                           |
|                           |       | GSM 850/WCDMA B5/LTE B5/B26 :-6.01 dBi                                       |
|                           |       | LTE B12/B13/B17/B28 :-4.55dBi                                                |
|                           |       | PCS/WCDMA B1 /B2/B4/LTE1/2 /B4/B66:-2.43dBi                                  |
|                           |       | LTE B7/B38/40/B41 : -3.66dBi                                                 |
|                           |       | GSM1800/LTE B3:-2.63                                                         |
|                           | ANT12 | BT/WIFI 2.4G:0. 21 dBi 5G:0.08 dBi                                           |
|                           | ANT13 | GPS(L1):-2. 37 dBi                                                           |

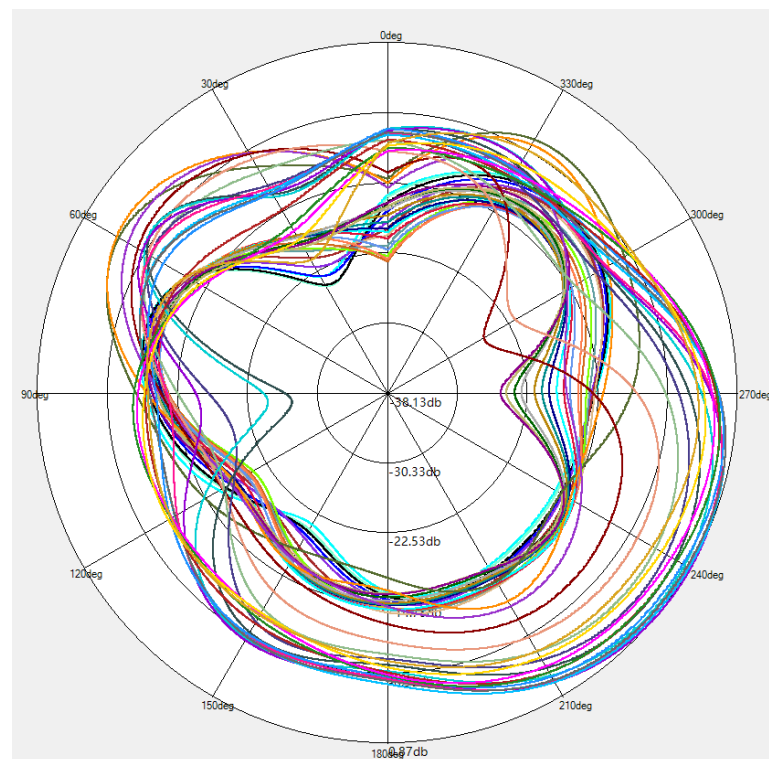
|                    |  |  |
|--------------------|--|--|
|                    |  |  |
| Type of Modulation |  |  |

※ Antenna Gain

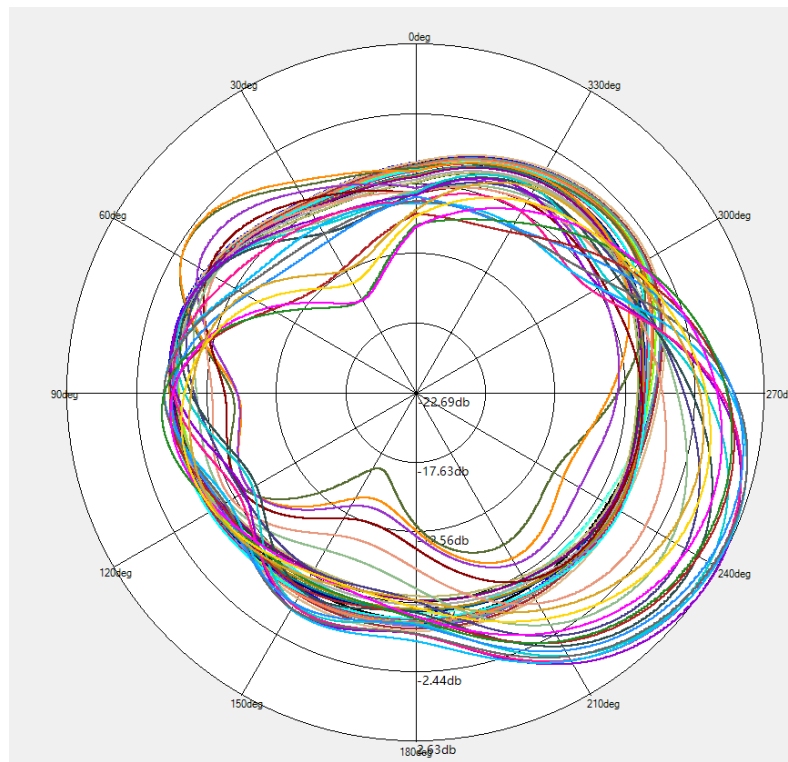
ANT12



2.4G WIFI&BT; 5G WIFI     $\Phi=0\text{deg}$

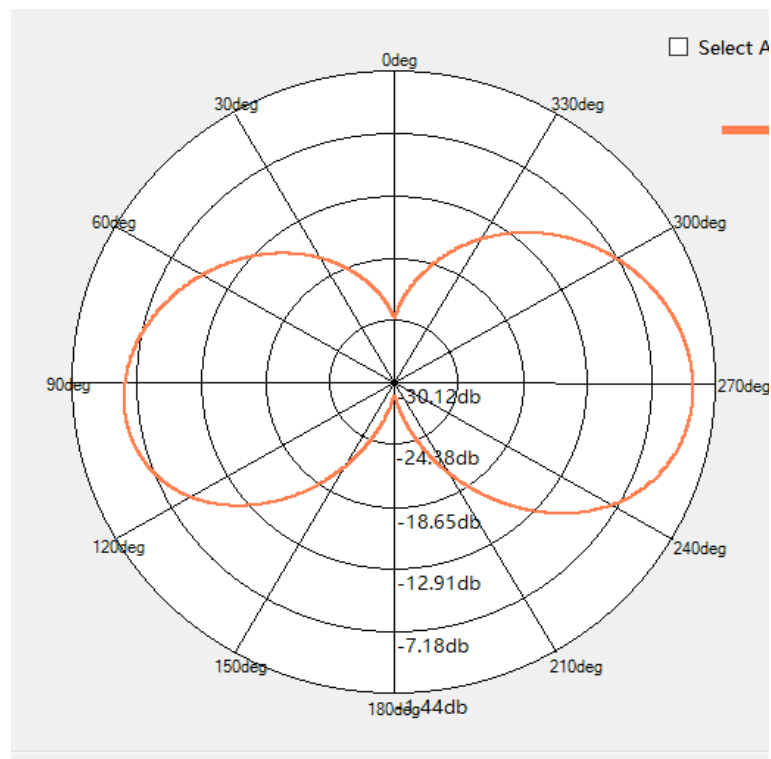
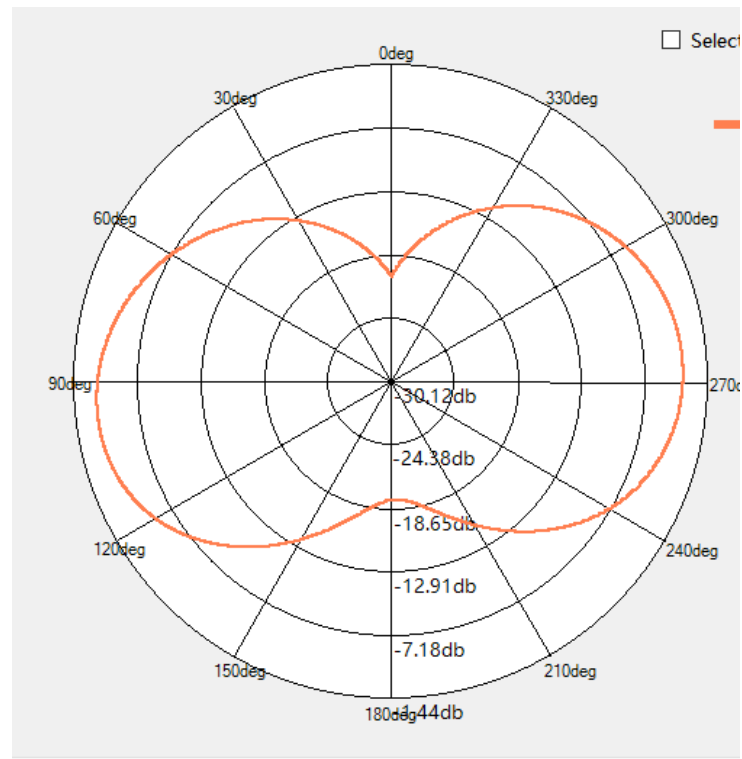


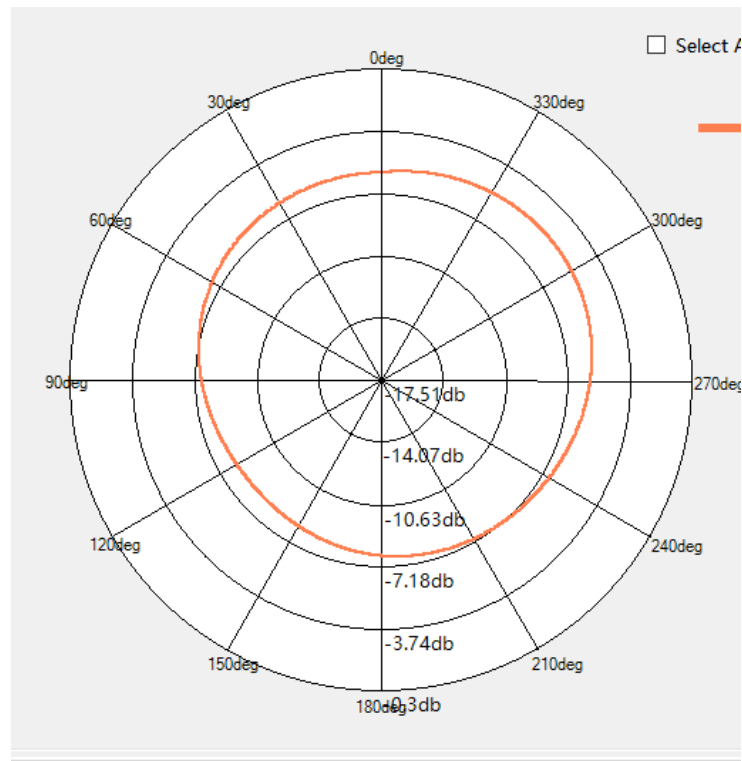
2.4G WIFI&BT; 5G WIFI     $\Phi=90^\circ$



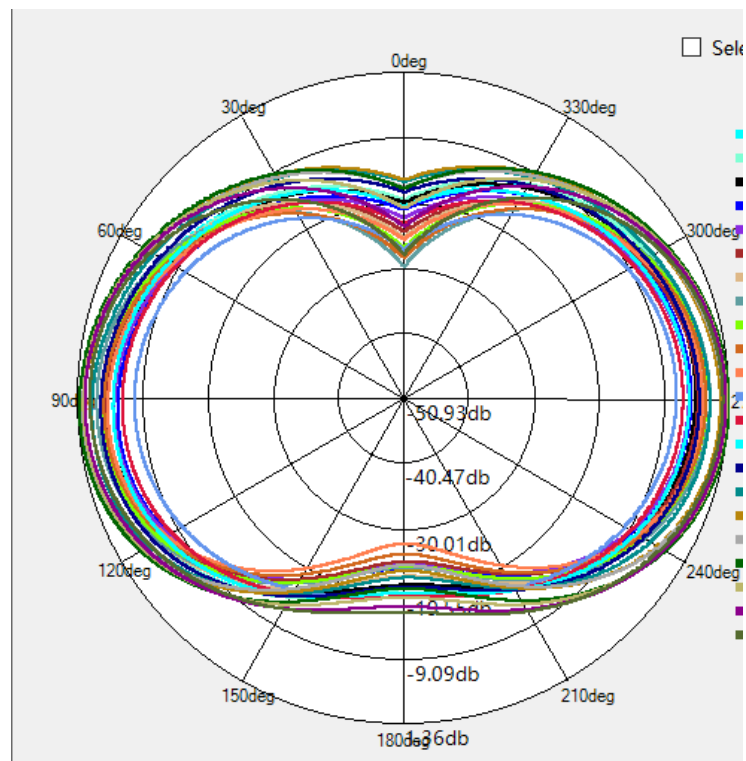
2.4G WIFI&BT; 5G WIFI     $\Theta=90^\circ$

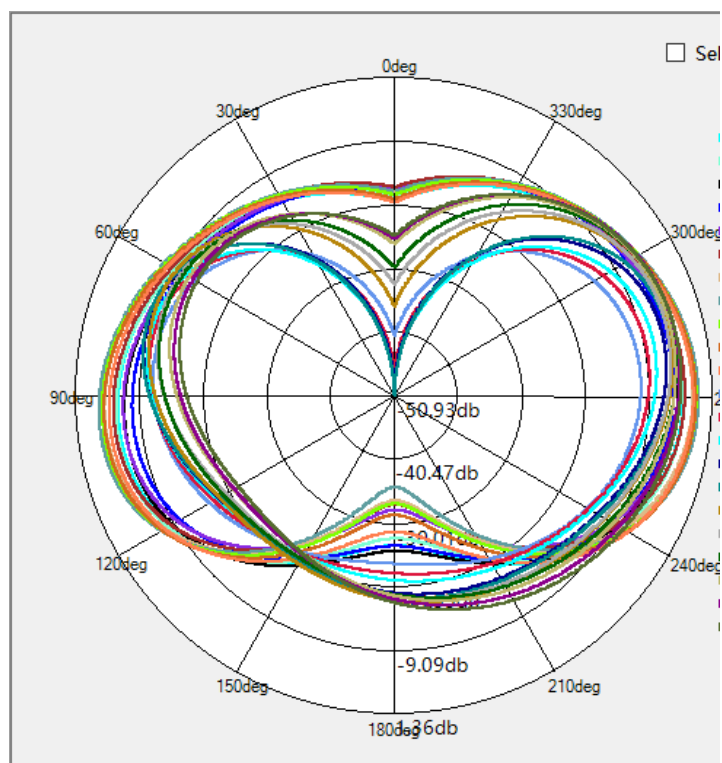
ANT13



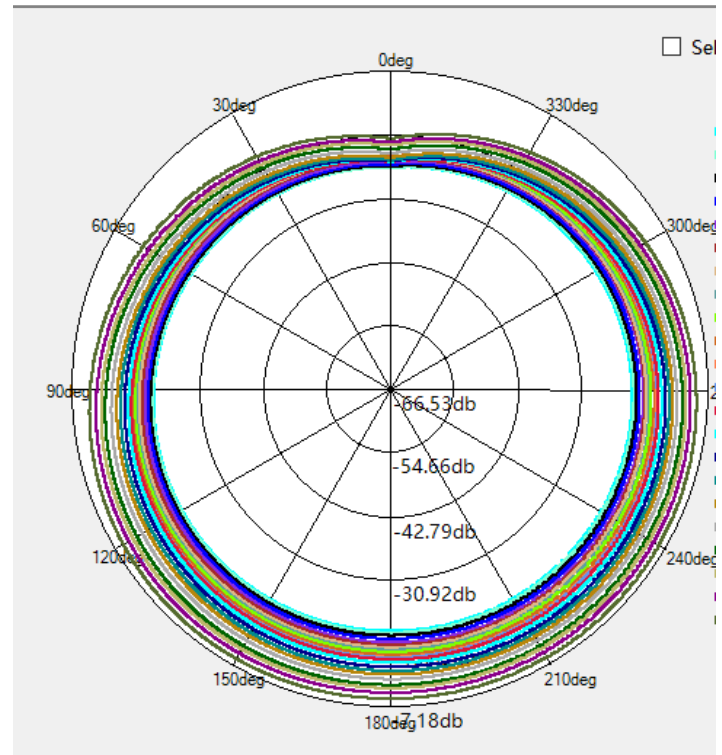


ANT1





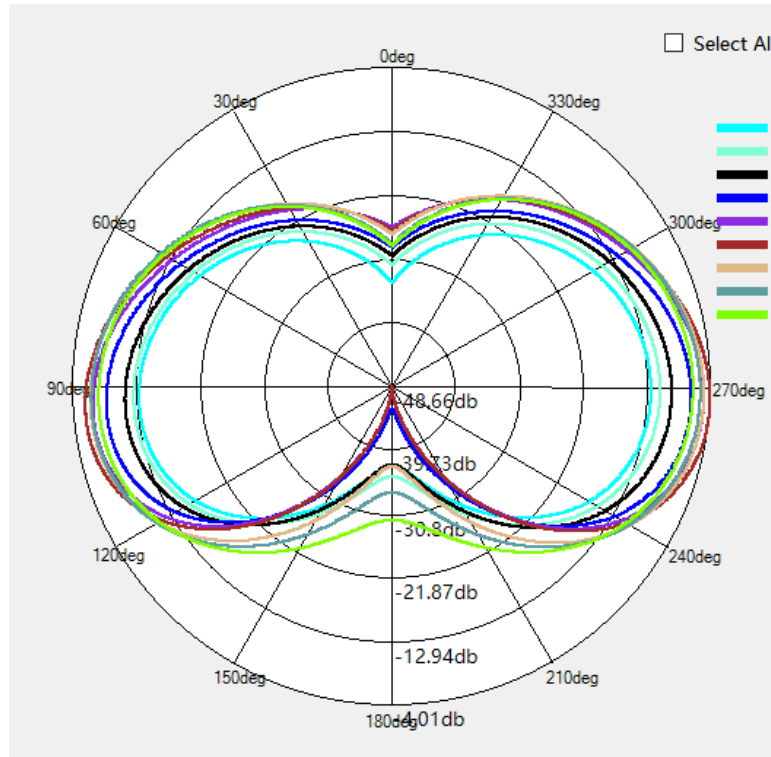
GSM1800/ 1900/WCDMA B2/B4 / LTE B2/B3/B4/B7/B66/B38/41  $\Phi=90^\circ$



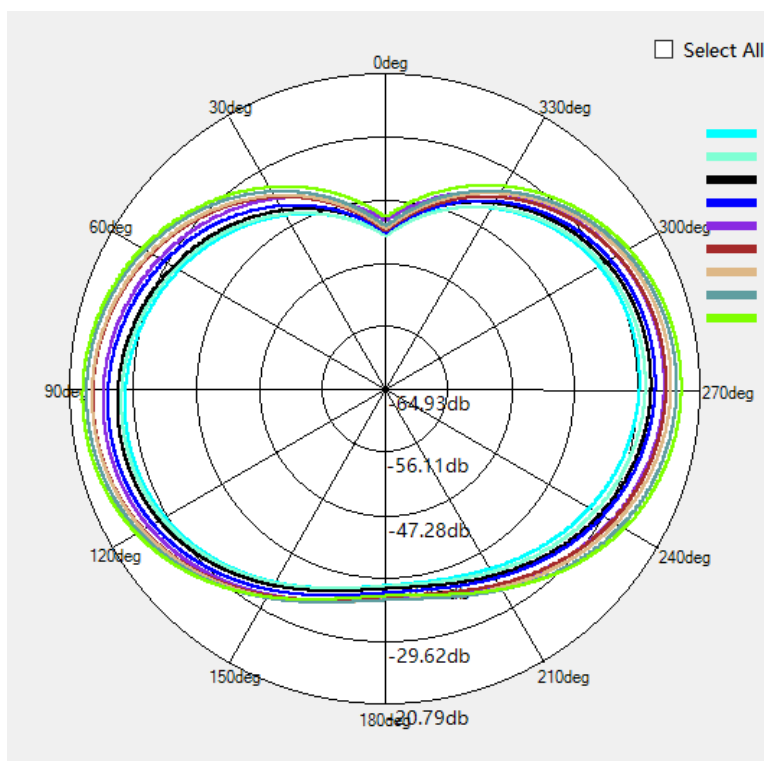
GSM1800/ 1900/WCDMA B2/B4 / LTE B2/B3/B4/B7/B66/B38/41  $\Theta=90^\circ$

※ Antenna Gain

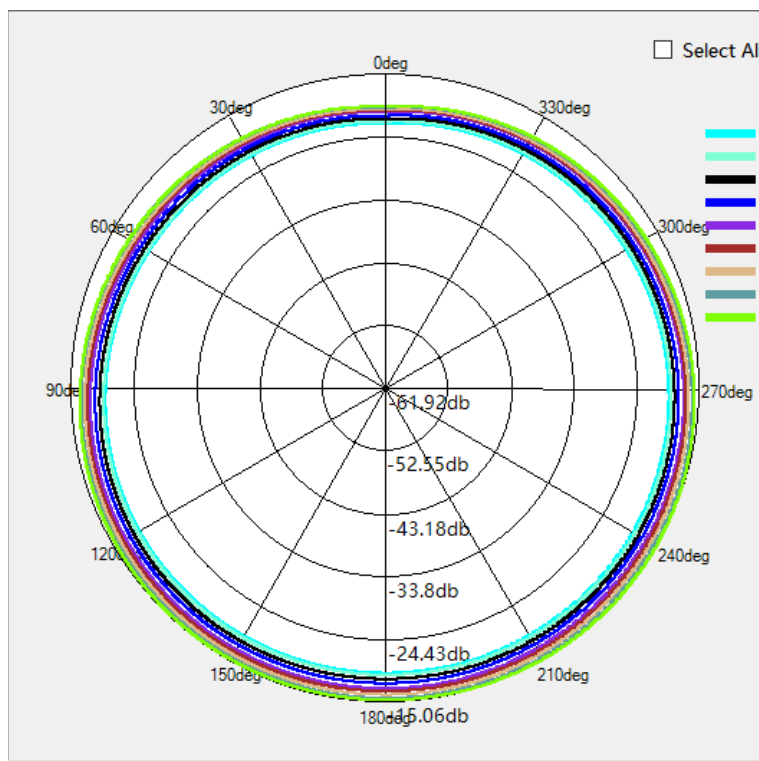
ANT1



G900/W8/LTE B8 Phi=0deg



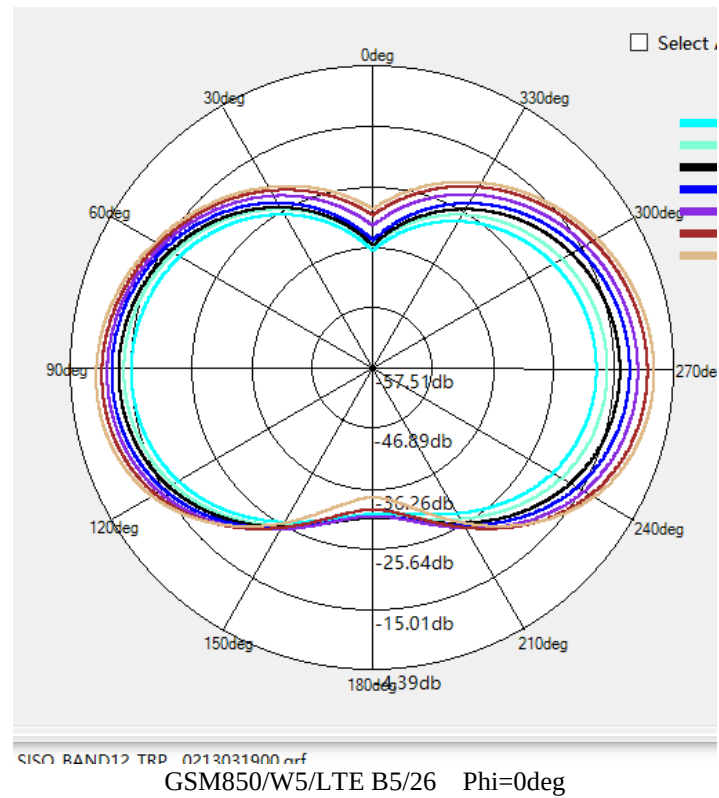
G900/W8/LTE B8 Phi=90deg

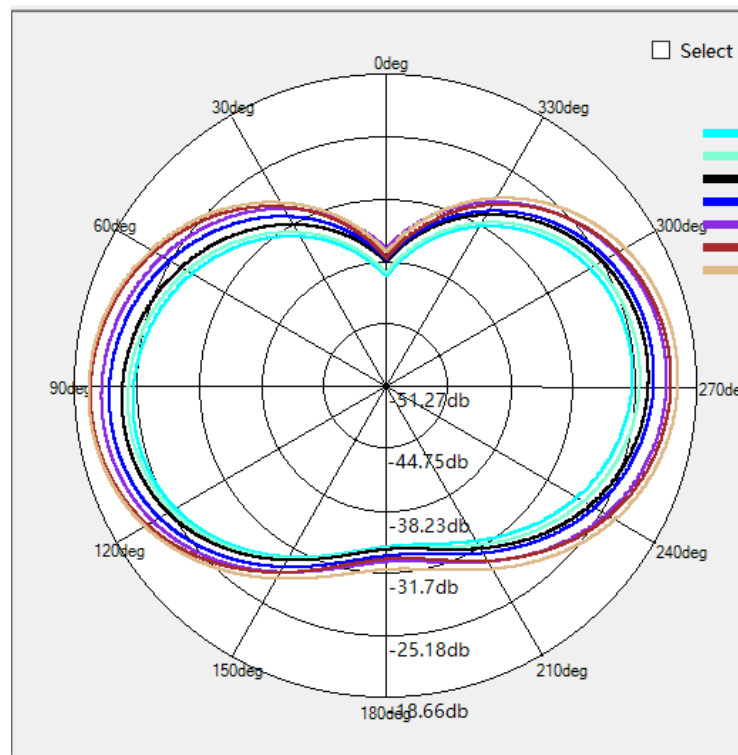


G900/W8/LTE B8 Theta=90deg

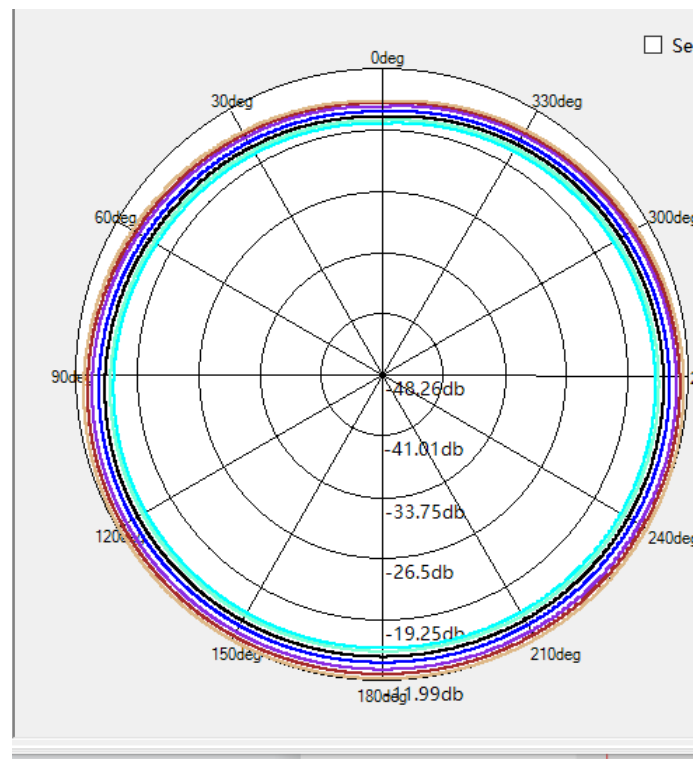
※ Antenna Gain

ANT1





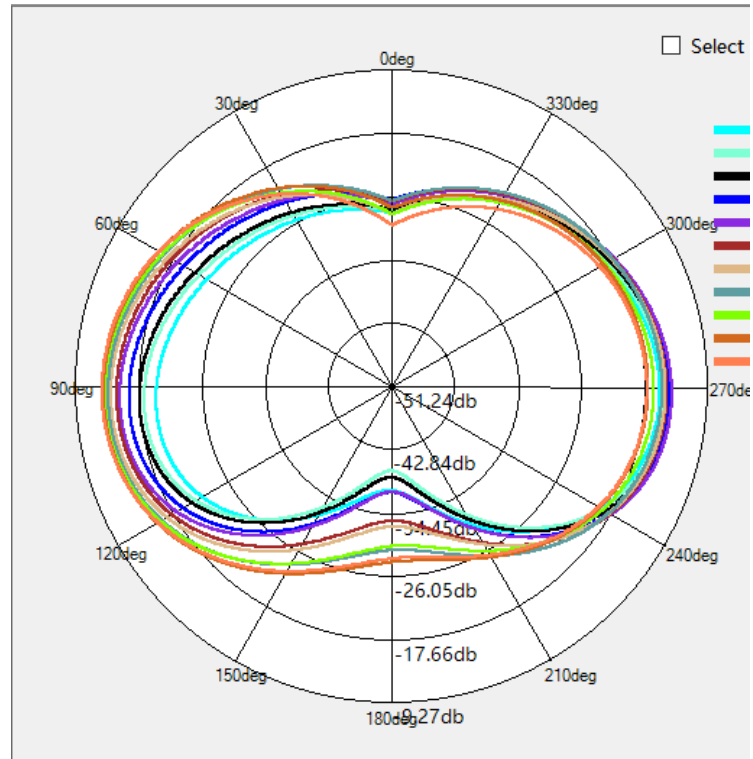
GSM850/W5/LTE B5/26 Phi=90deg



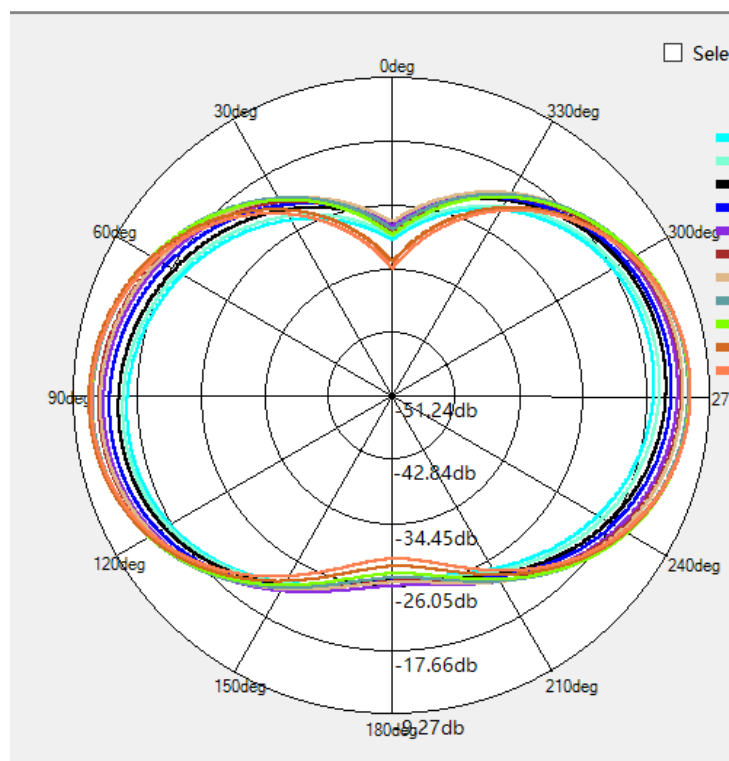
GSM850/W5/LTE B5/26 Theta=90deg

※ Antenna Gain

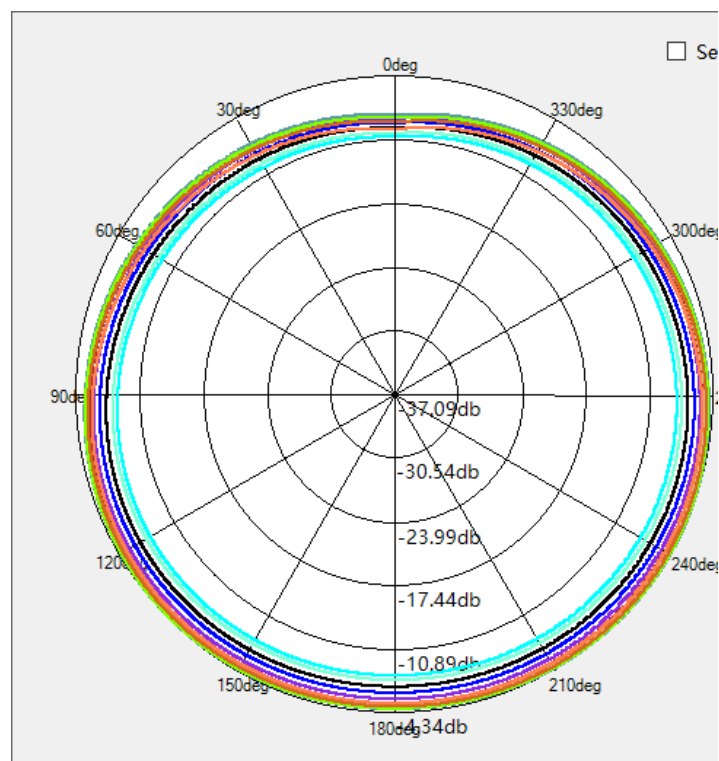
ANT1



LTE B1/12/13/17/28 Phi=0deg



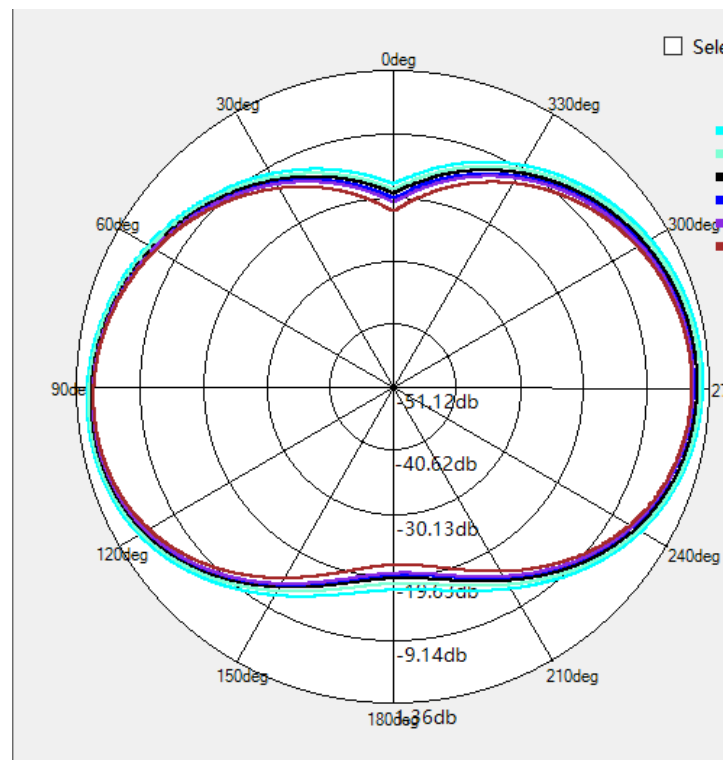
LTE B1/12/13/17/28  $\Phi=90^\circ$



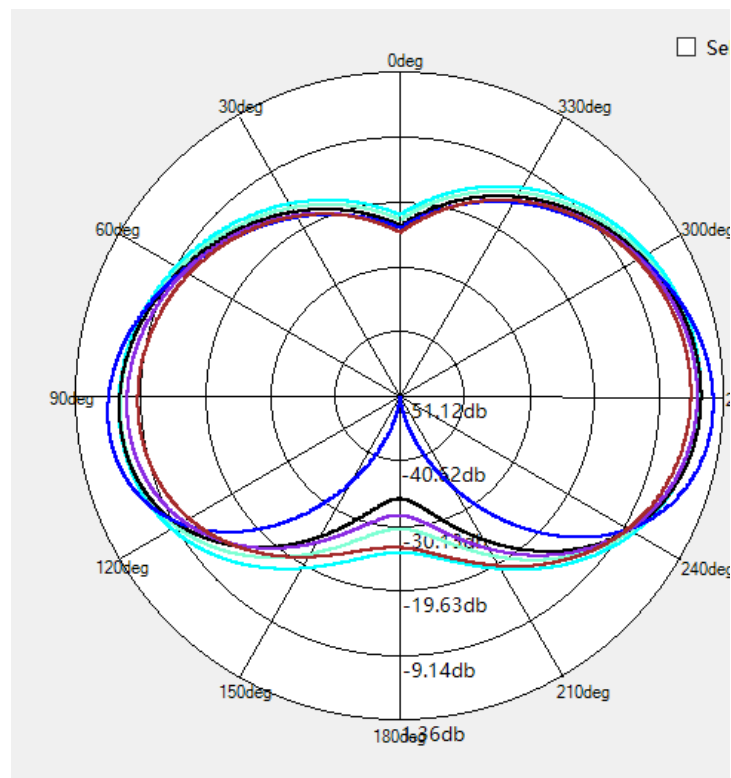
LTE B1/12/13/17/28  $\Theta=90^\circ$

※ Antenna Gain

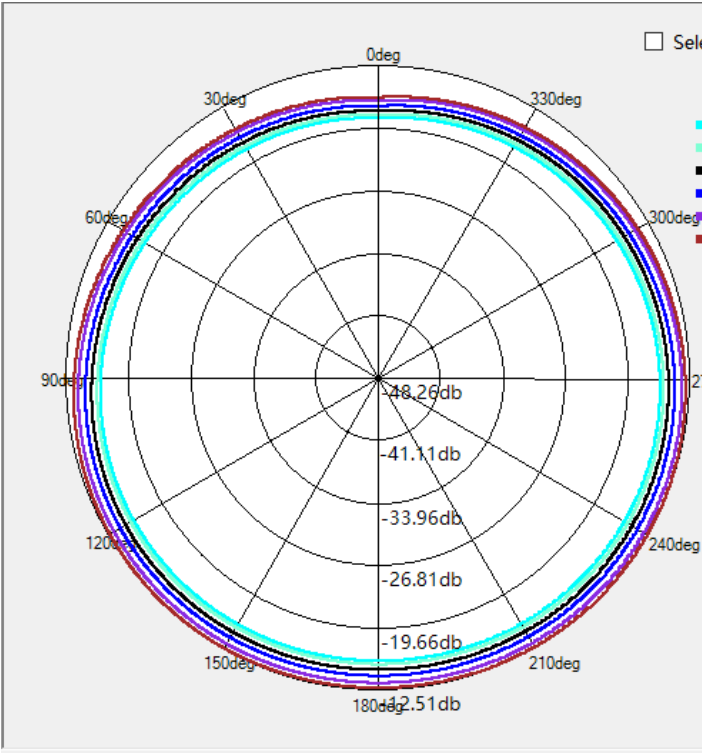
ANT1



LTE 40 Phi=0deg

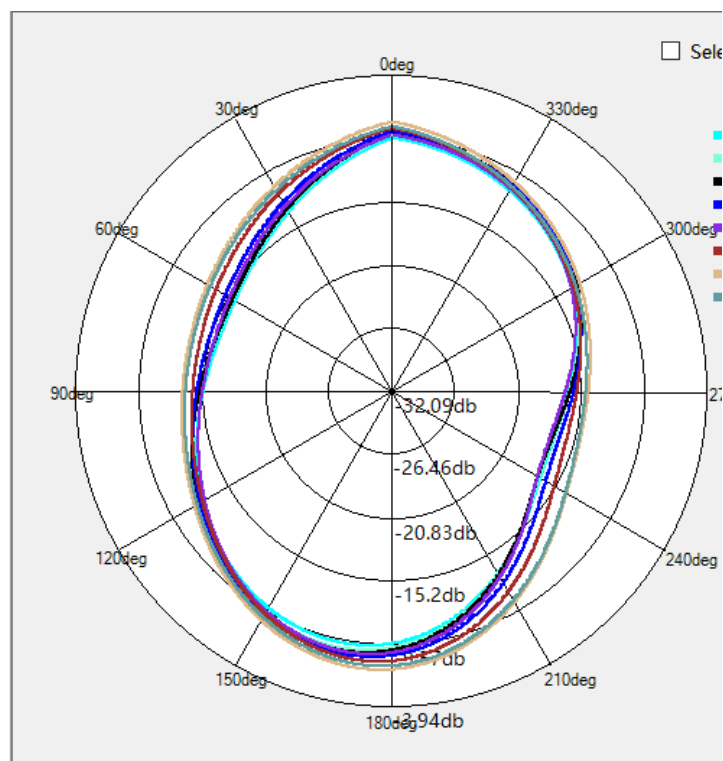


LTE B40    Phi=90deg

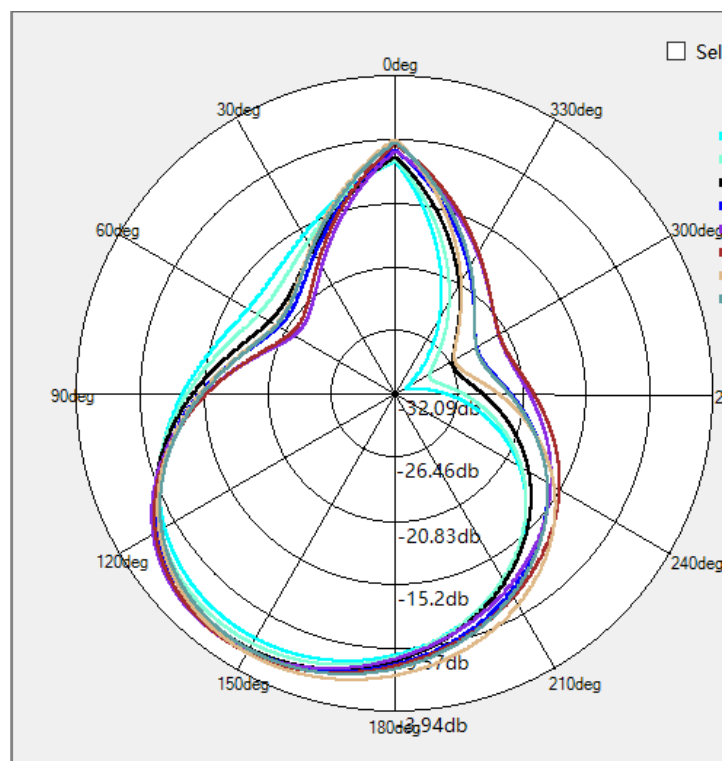


LTE B40    Theta=90deg

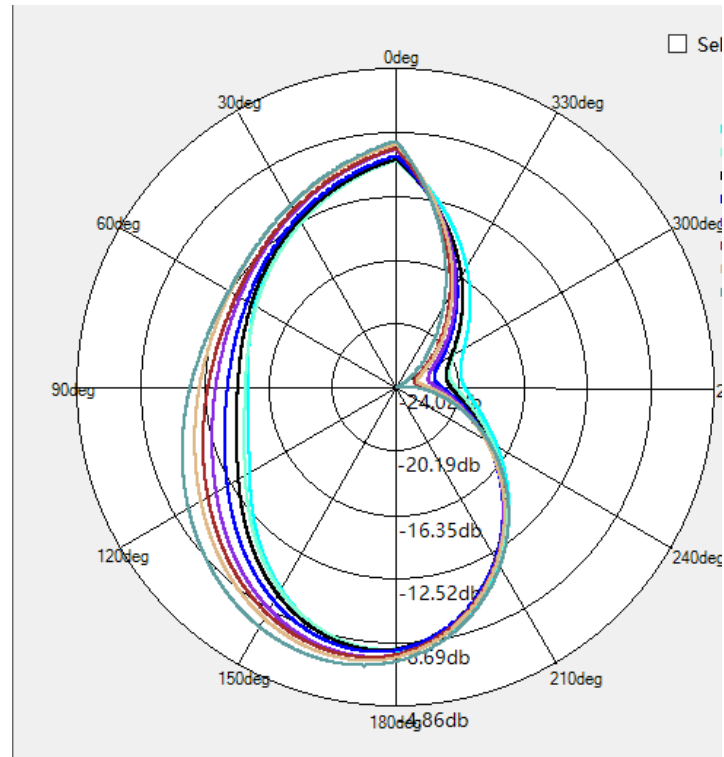
ANT0



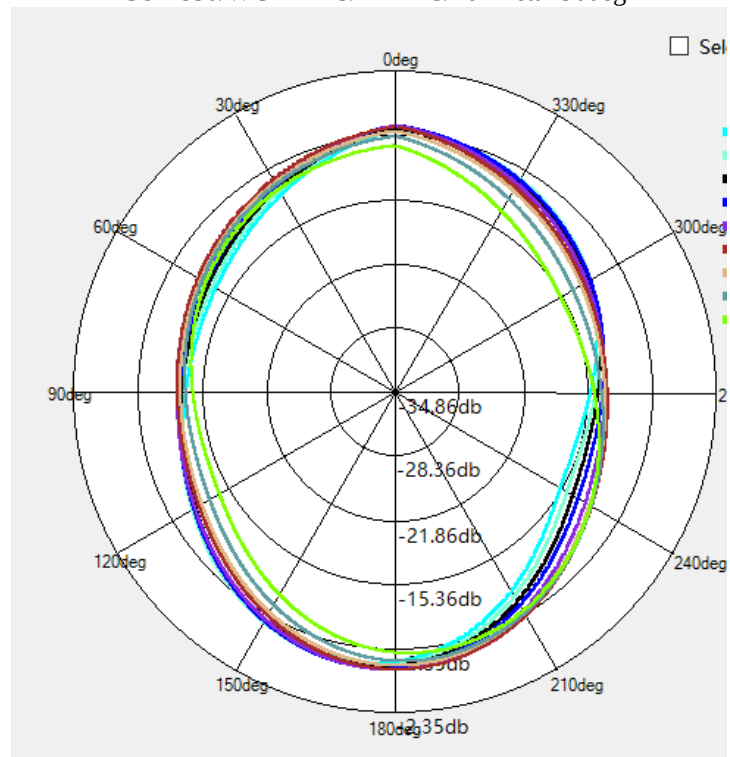
GSM850/WCMA B5/LTE B5/26  $\Phi=0^\circ$



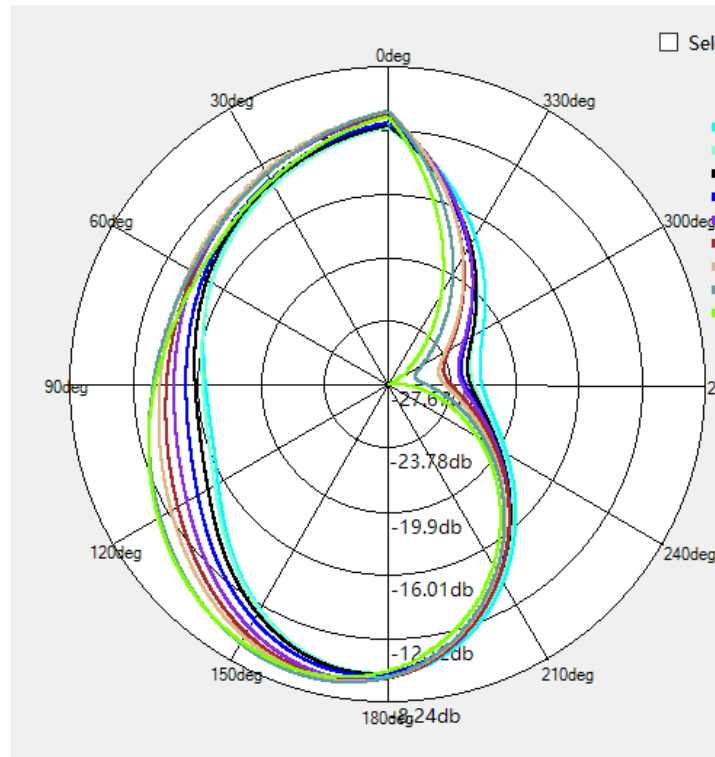
GSM850/WCMA B5/LTE B5/26  $\Phi=90^\circ$



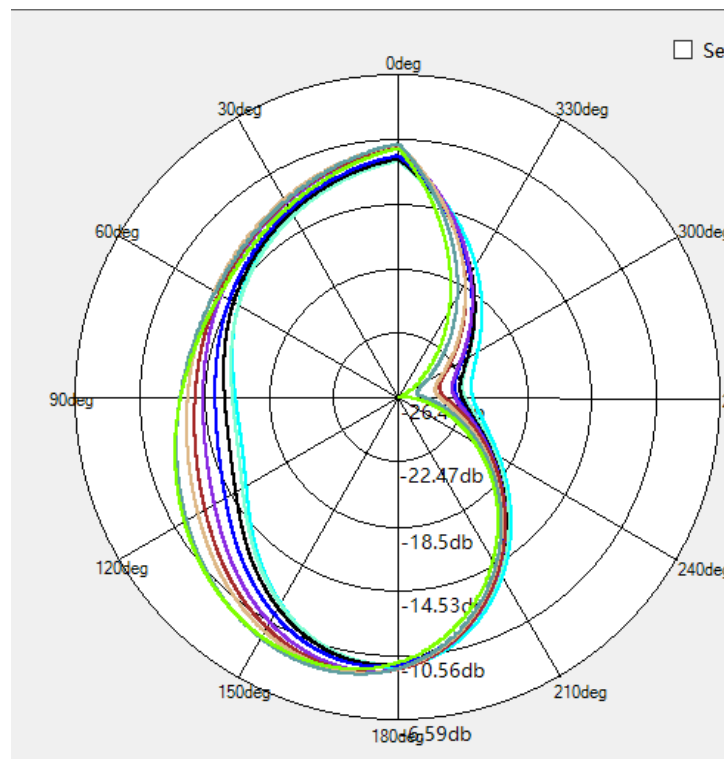
GSM850/WCMA B5/LTE B5/26 Theta=90deg



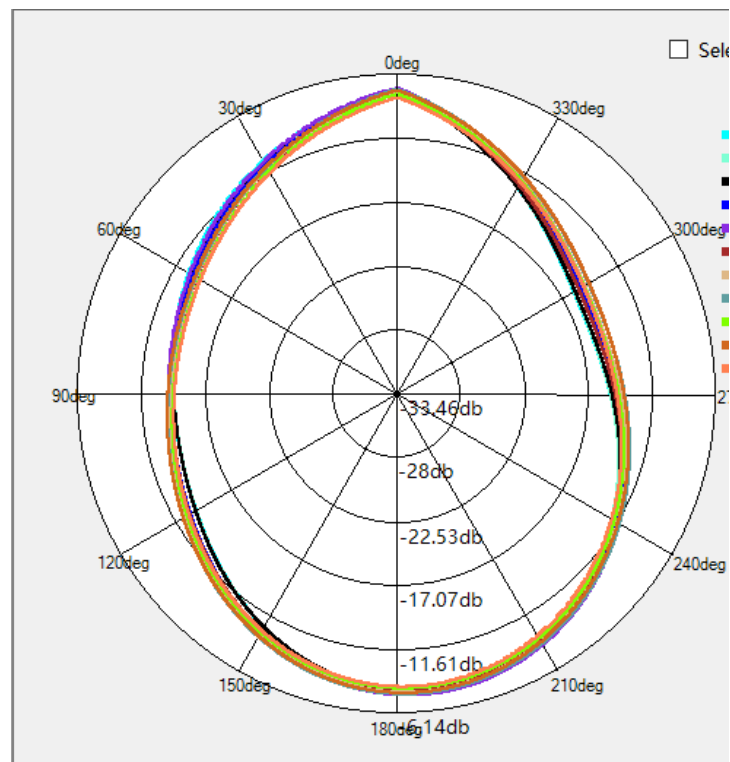
GSM900/WCMA B8/LTE B8 Phi=0deg



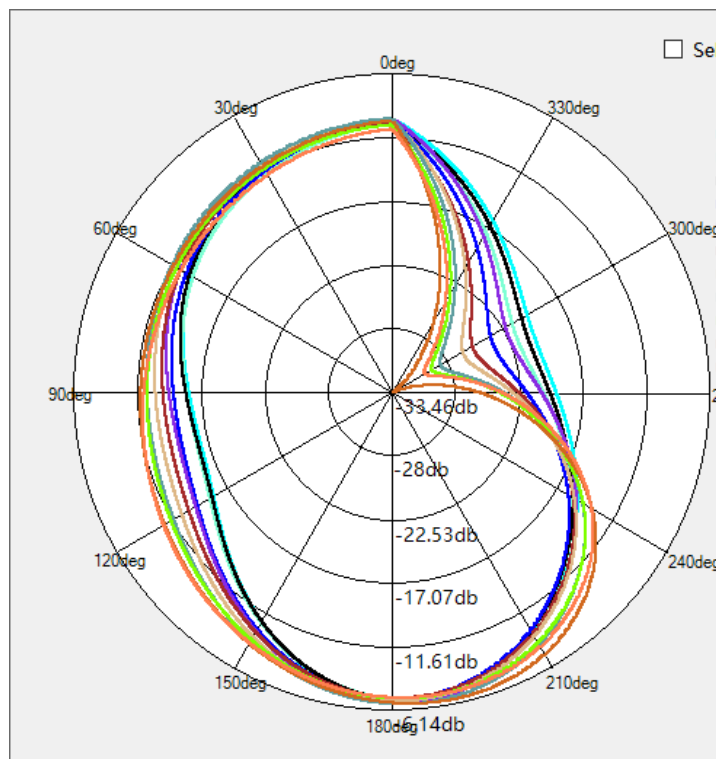
GSM850/WCMA B5/LTE B5/26  $\Phi=90^\circ$



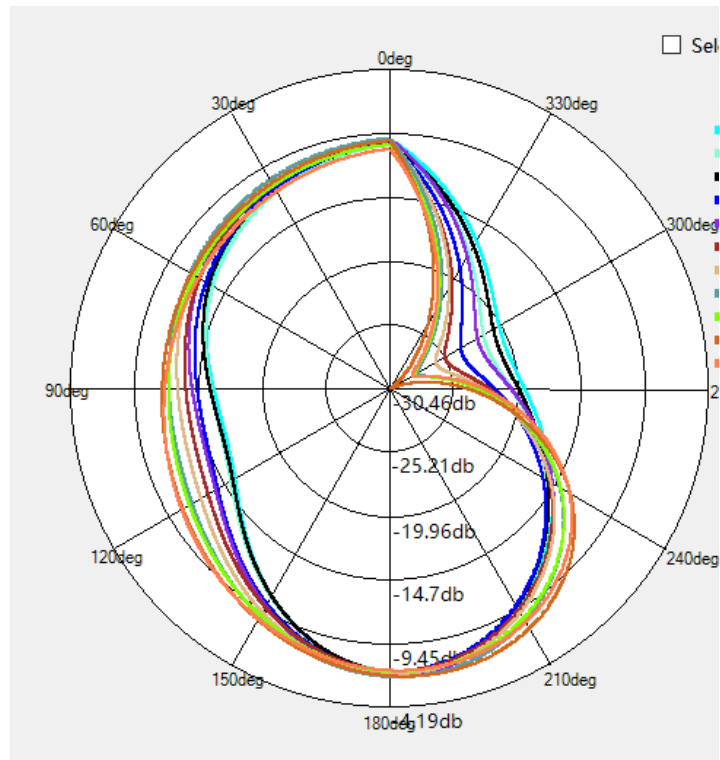
GSM850/WCMA B5/LTE B5/26 Theta=90deg



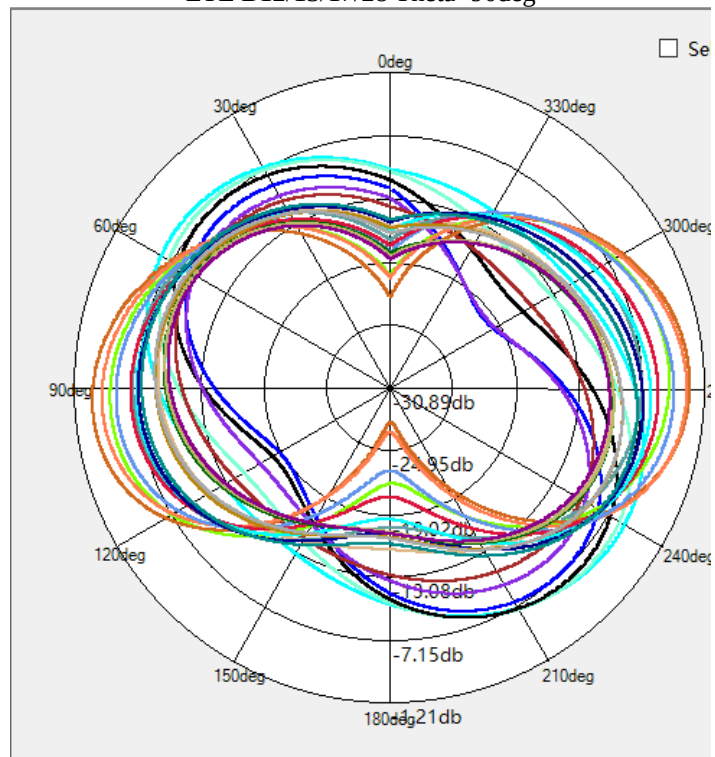
LTE B12/13/17/28 Phi=0deg



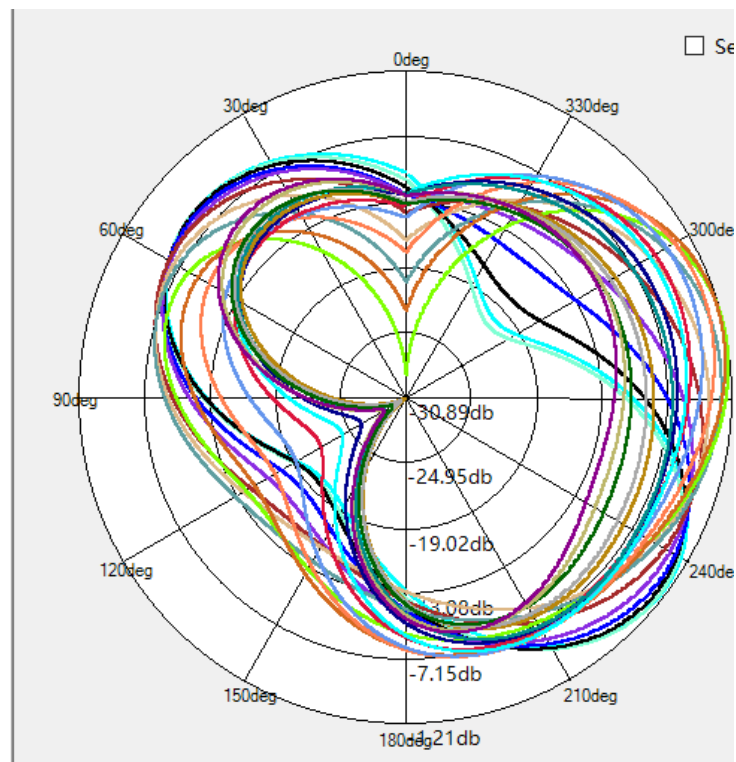
LTE B12/13/17/28 Phi=90deg



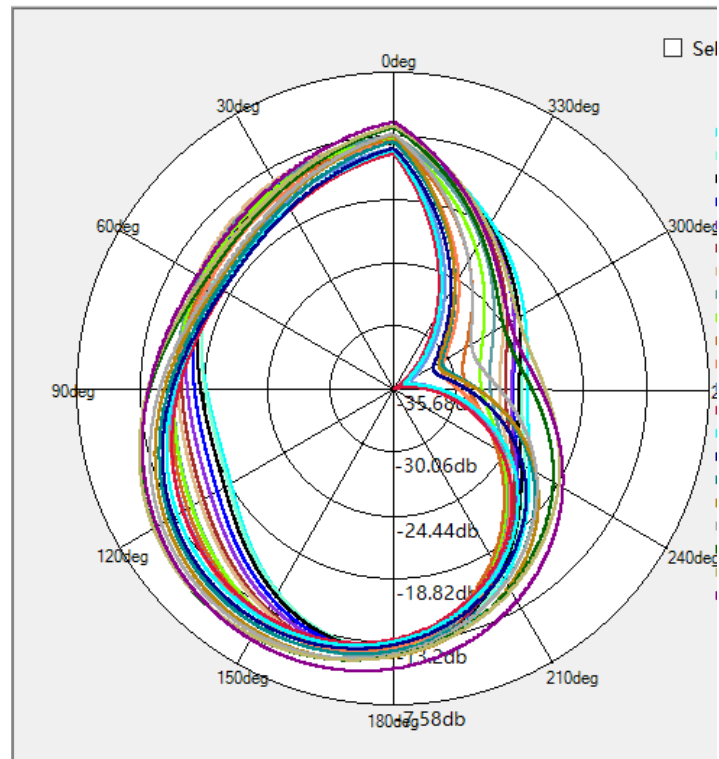
LTE B12/13/17/28 Theta=90deg



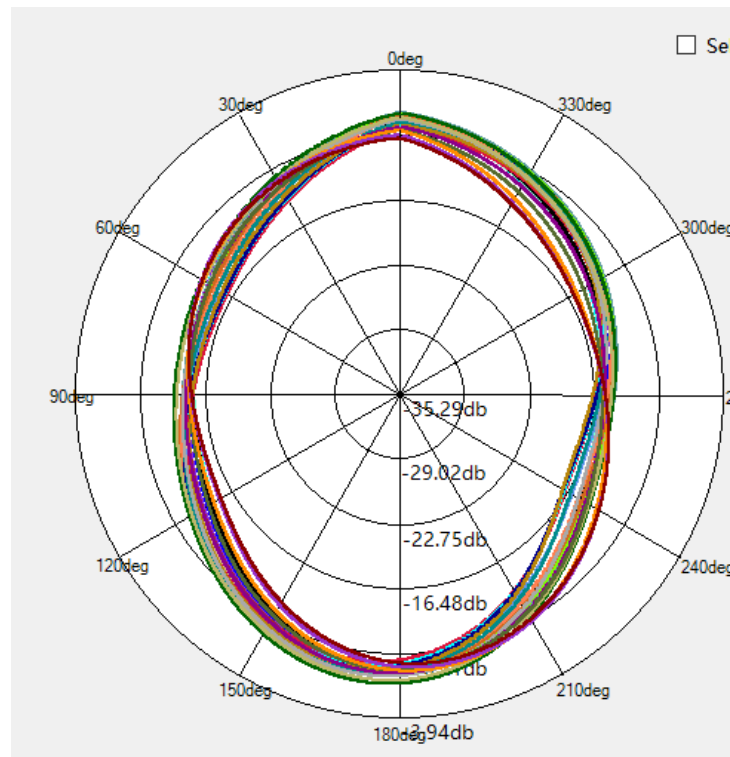
LTE B7/38/40/41 Phi=0deg



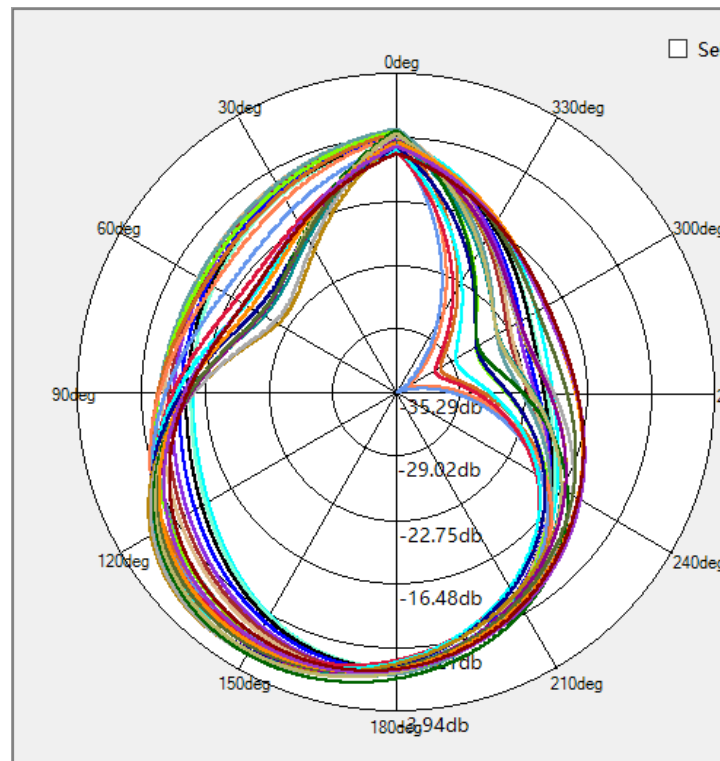
LTE B7/38/40/41 Phi=90deg



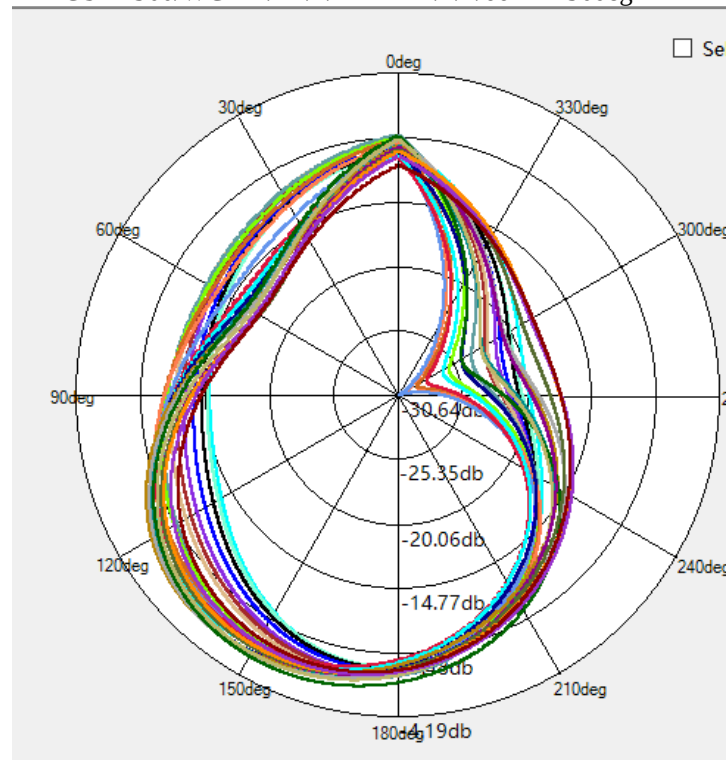
LTE B7/38/40/41 Theta=90deg



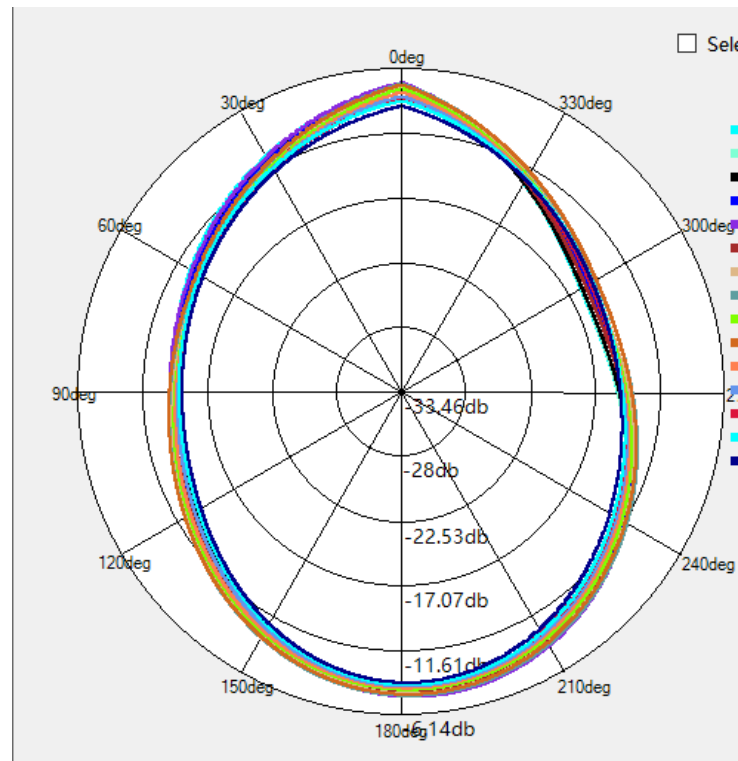
GSM1900/WCMD/B1/2/4/LTE B1/2/4/66 Phi=0deg



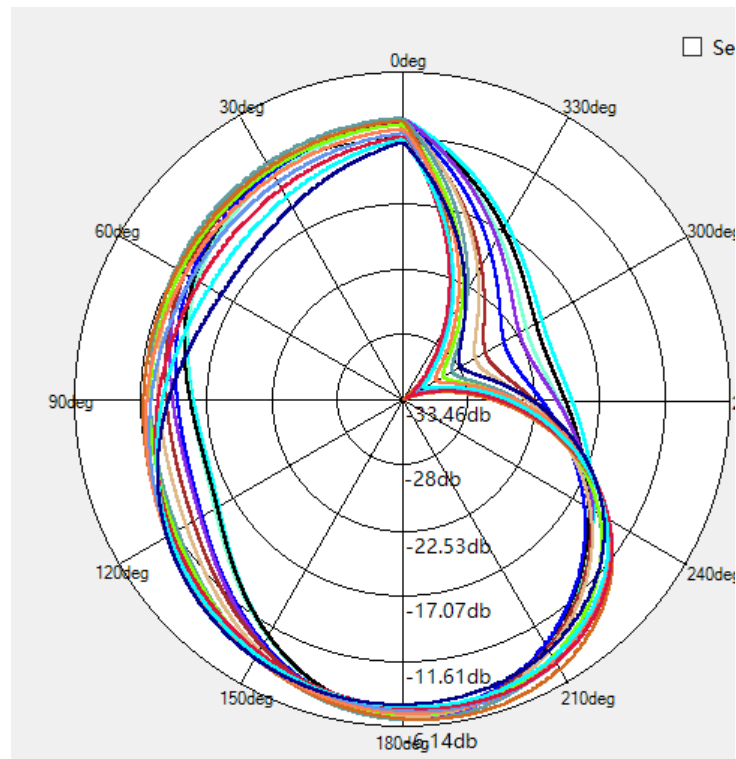
GSM1900/WCMD/B1/2/4LTE B1/2/4/66 Phi=90deg



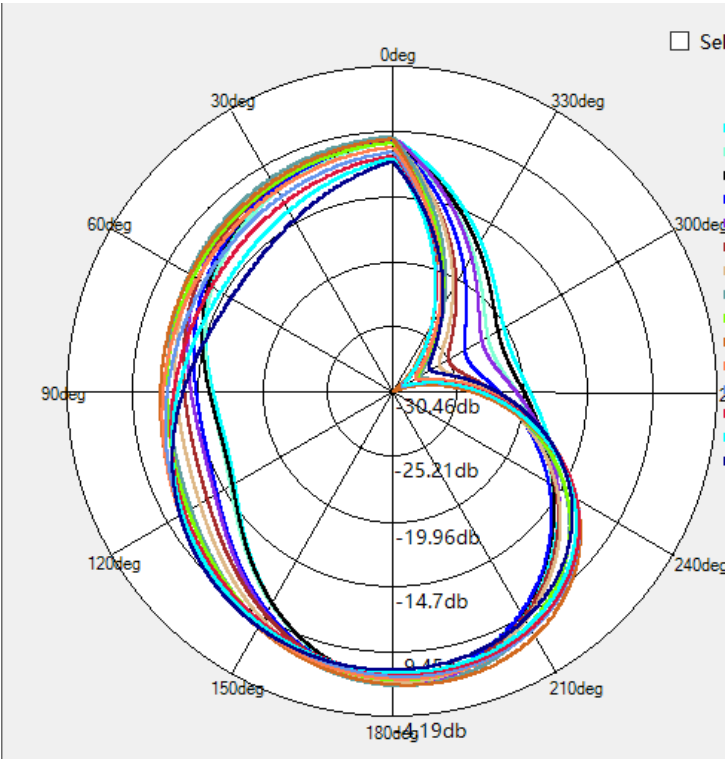
GSM1900/WCMD/B1/2/4LTE B1/2/4/66 Theta=90deg



GSM1800/LTE B3 Phi=0deg



GSM1800/LTE B3 Phi=90deg



GSM1800/LTE B3    Theta=90deg

|             |           |             |        |            |
|-------------|-----------|-------------|--------|------------|
| PREPARED BY | CHECKEDBY | APPROVAL BY | S.R.NO |            |
|             |           |             | DATE:  | 2023/02/05 |