

## Feature

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

## Application

※GSM850/900/DCS1800/PCS1900/ WCDMA B1/B2/B4/B5/B8  
LTE B1/B2/B3/B4/B5/B7/B8/B20/B28/B38/B40/B41

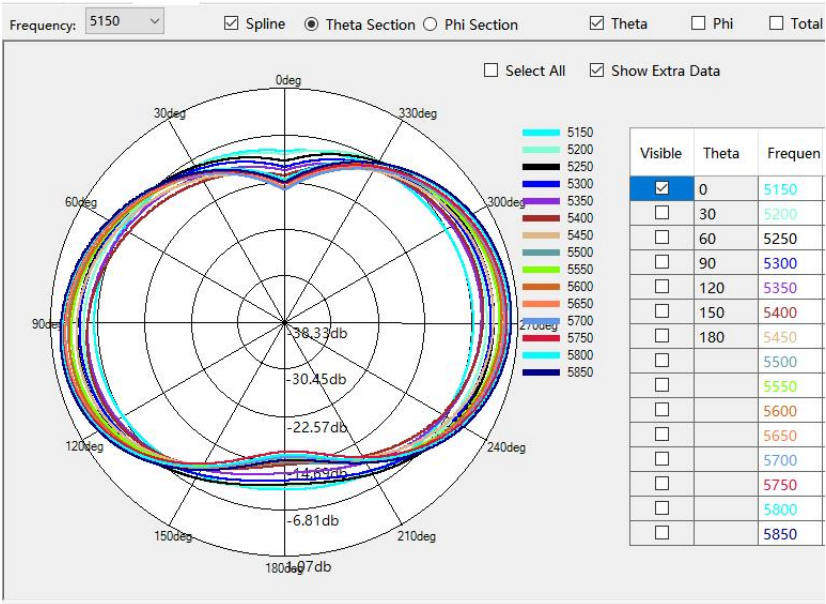
| Name and address of the antenna manufacturer                                                                                                                                                        | Model number of the antenna                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 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) | X6885-ANT2-WTT-XX-XX<br>X6885-ANT14-WTT-XX-XX<br><br>(XX:Version-Date) |

| TYPE                  |                                             |
|-----------------------|---------------------------------------------|
| Transmitter Frequency | GSM 850/WCDMA B5/LTE B5 : 824–849 MHz       |
|                       | GSM 900/WCDMA B8/LTE B8: 880–915 MHz        |
|                       | DCS1800 /WCDMA B4/LTE B3/B4 : 1710–1785 MHz |
|                       | PCS1900/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       |
|                       | DCS1800/LTE B3 : 1805–1880 MHz              |
|                       | WCDMA B4/LTE B4 : 2110-2155 MHz             |
|                       | PCS1900/WCDMA B2/LTE B2:1930-1990MHz        |

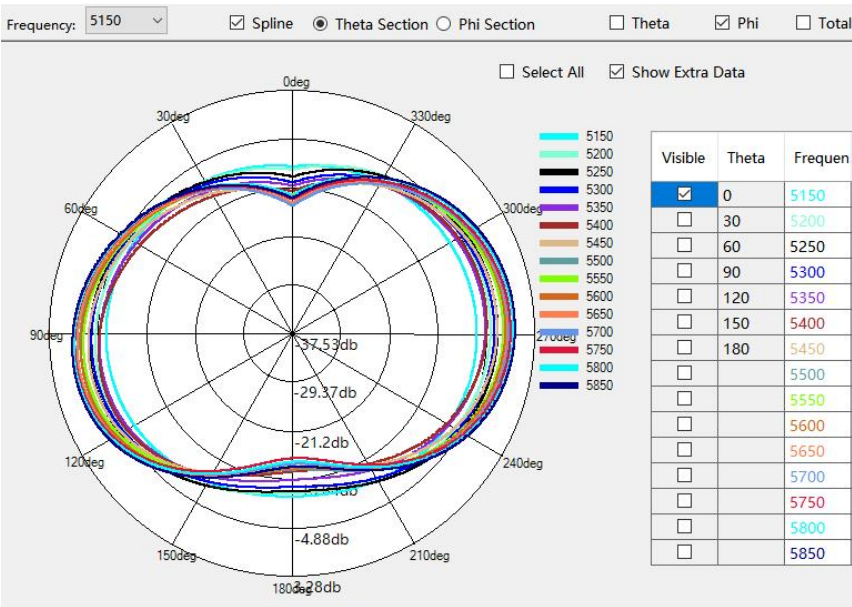
|                           |                               |                                                           |
|---------------------------|-------------------------------|-----------------------------------------------------------|
| RF-Output Power (E.I.R.P) |                               | 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                                       |
|                           |                               | GSM850/900: 32+/-2dBm                                     |
|                           |                               | DCS1800/PCS1900: 30+/-2dBm                                |
|                           |                               | LTE B1/B2/B3/ B4/B5 /B7/B8/B20/B28/B38/B40/B41: 23+/-2dBm |
|                           |                               | WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm                          |
| Antenna Gain              | ANT2                          | GSM 850/WCDMA B5/LTE B5 :-6.94 dBi                        |
|                           |                               | GSM 900/WCDMA B8/LTE B8 :-7.69 dBi                        |
|                           |                               | DCS1800/WCDMA B4/LTE B3/B4 : -2.28 dBi                    |
|                           |                               | PCS1900/WCDMA B2/LTE B2:-2.71 dBi                         |
|                           |                               | WCDMA B1/LTE B1 : -2.26 dBi                               |
|                           |                               | LTE B7/B38/B41: 0.25 dBi                                  |
|                           |                               | LTE B40 : 0.83 dBi                                        |
|                           |                               | LTE B20 :-6.65 dBi                                        |
|                           |                               | LTE B28 :-6.86 dBi                                        |
|                           | ANT0                          | GSM 850/WCDMA B5/LTE B5 : -5.83 dBi                       |
|                           |                               | GSM 900/WCDMA B8/LTE B8 : -6.12 dBi                       |
|                           |                               | DCS1800 /WCDMA B4/LTE B3/B4 : -4.43 dBi                   |
|                           |                               | PCS1900/WCDMA B2/LTE B2: -2.94 dBi                        |
|                           |                               | WCDMA B1/LTE B1 : -4.72 dBi                               |
|                           |                               | LTE B20 :-5.33 dBi                                        |
|                           |                               | LTE B28 :-5.75 dBi                                        |
|                           | LTE B7/B38/B41/B40 :-4.06 dBi |                                                           |
|                           | ANT13                         | BT/WIFI 2.4G: 0.5 dBi                                     |
| ANT12                     | GPS(L1):-2.4 dBi              |                                                           |
| Type of Modulation        | ANT14                         | WIFI 5G: 0.38 dBi                                         |

※ Antenna Gain

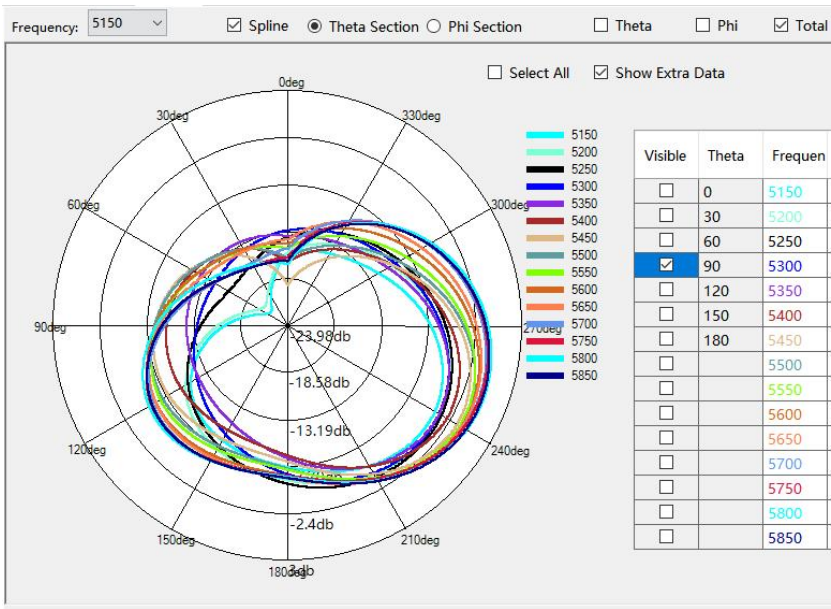
ANT14



5G WIFI    Phi=0deg



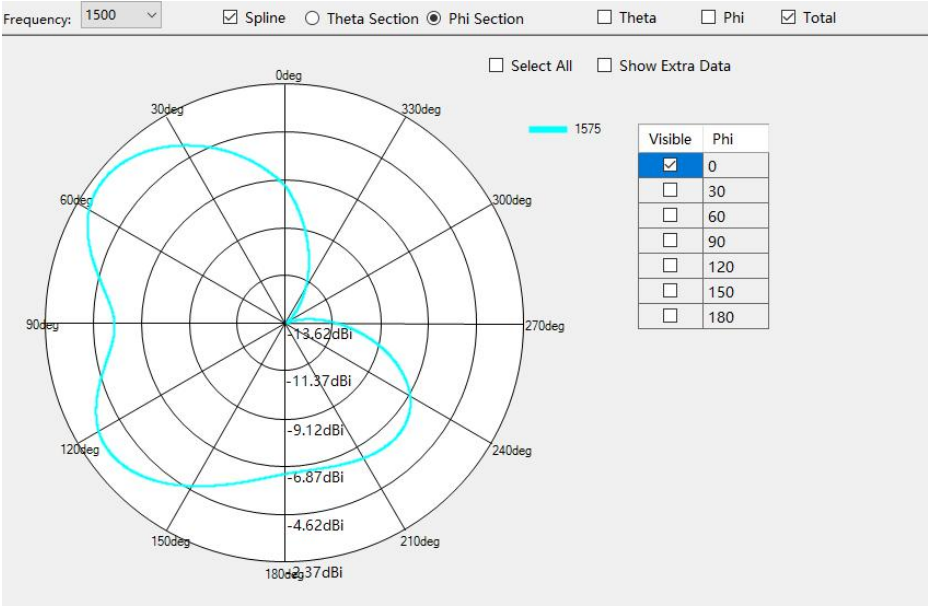
5G WIFI    Phi=90deg



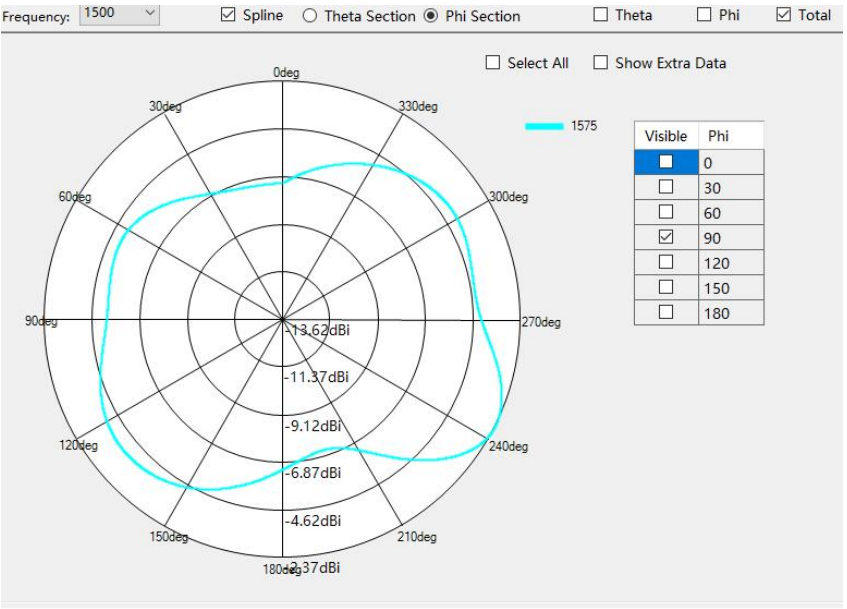
5G WIFI    Theta=90deg

※ Antenna Gain

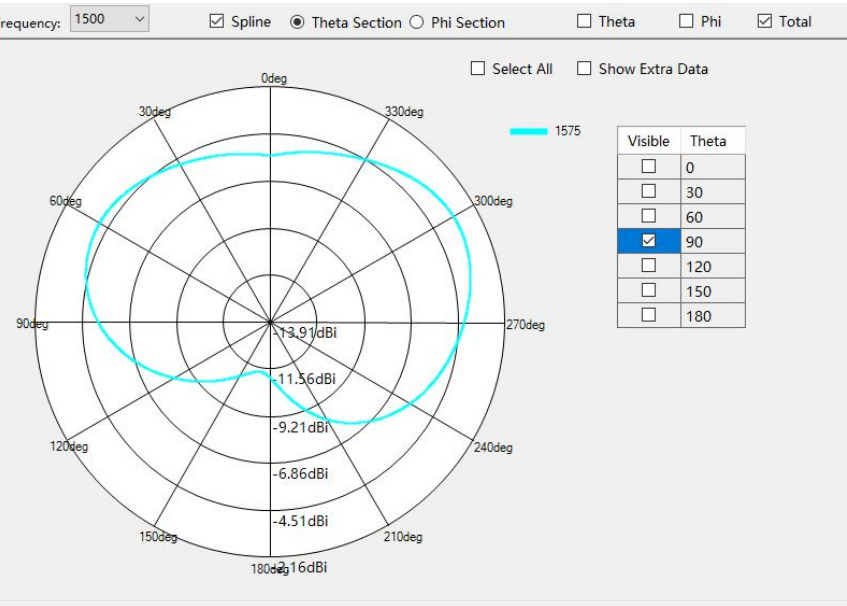
ANT12



GPS    Phi=0deg

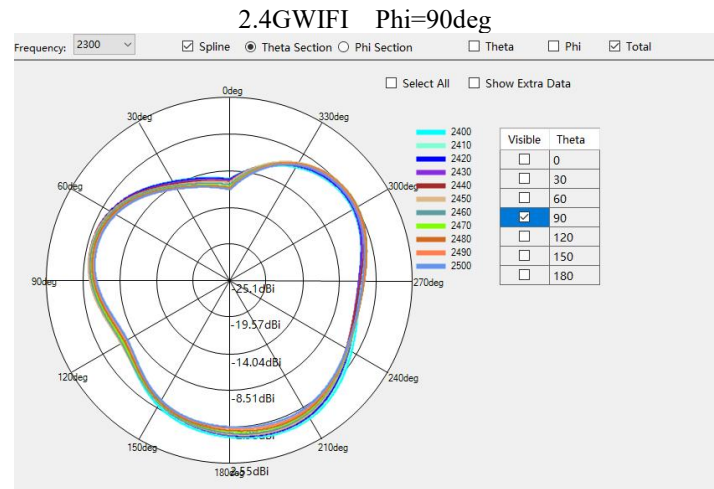
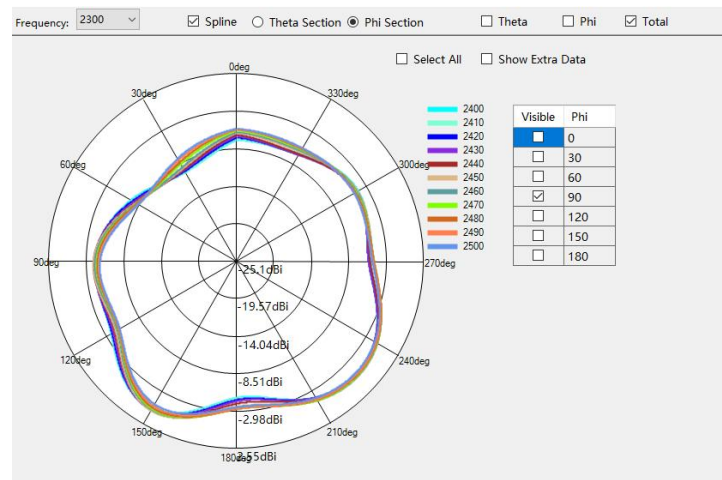
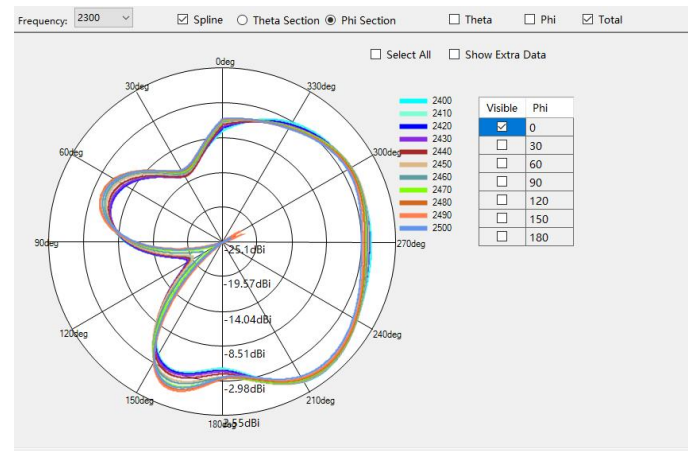


GPS    Phi=90deg



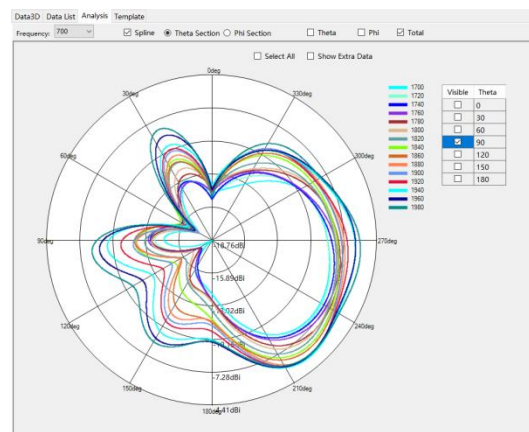
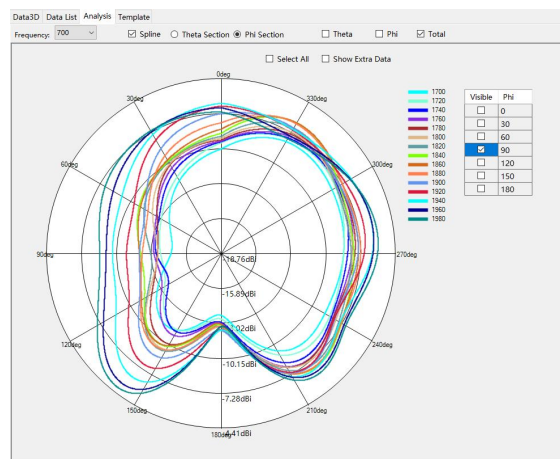
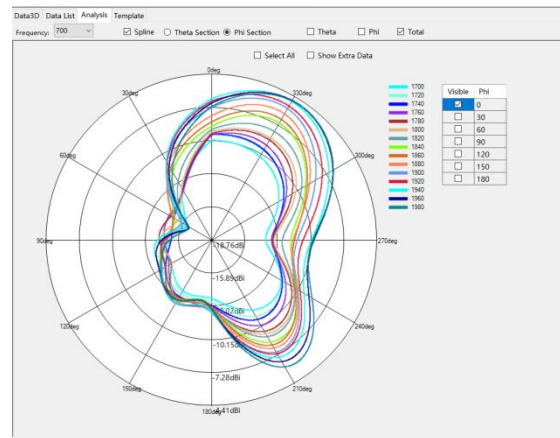
GPS    Theta=90deg

※ Antenna Gain  
ANT13



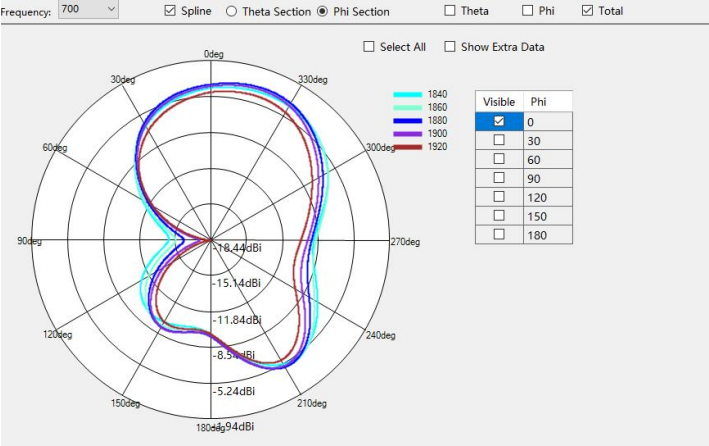
※ Antenna Gain

ANT0

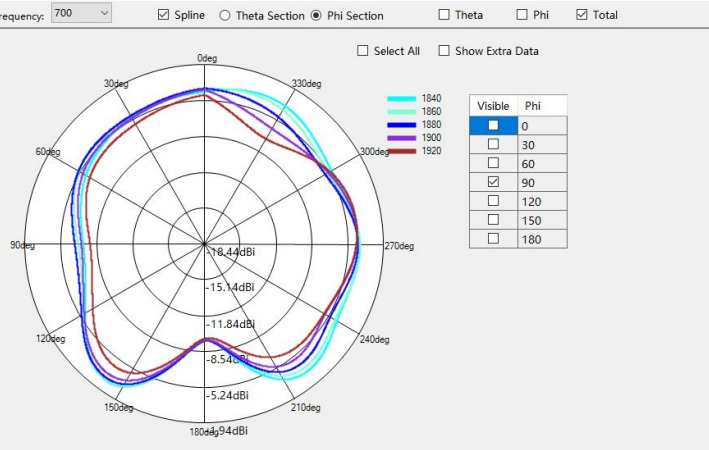


※ Antenna Gain

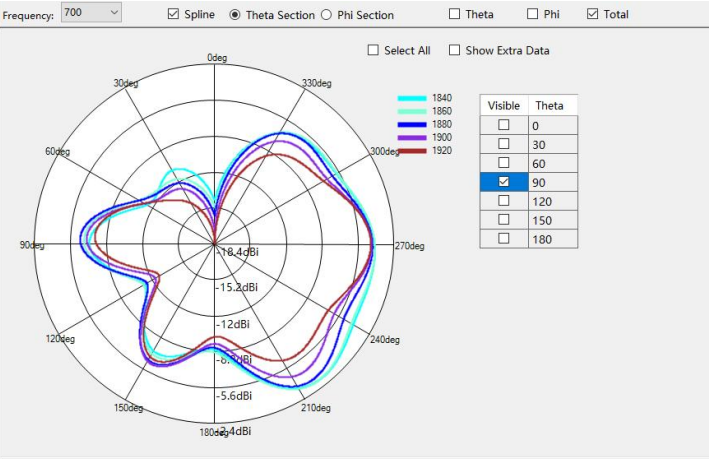
ANT0



GSM PCS1900    WCDMA B2    LTE B2    Phi=0deg



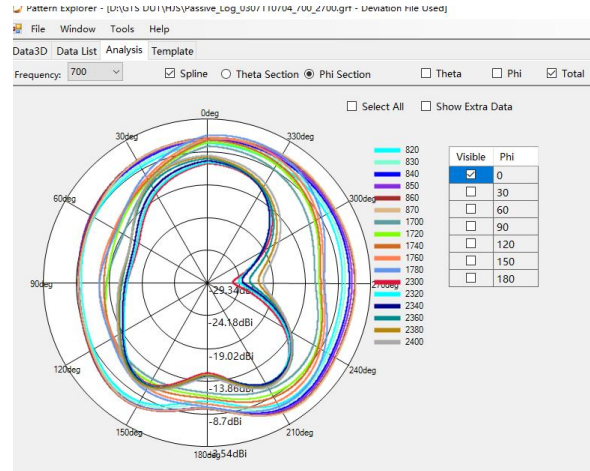
GSM PCS1900    WCDMA B2    LTE B2    Phi=90deg



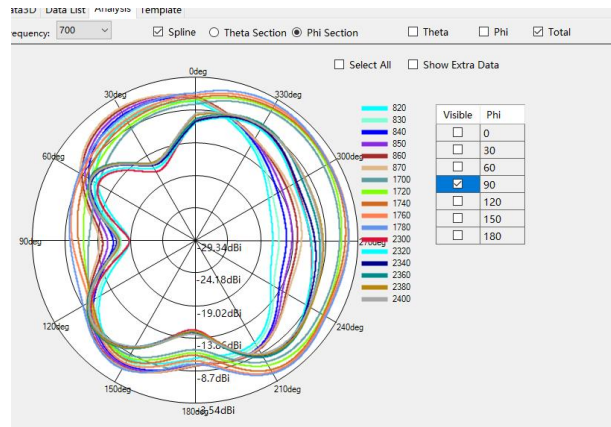
GSM PCS1900    WCDMA B2    LTE B2    Theta=90deg

※ Antenna Gain

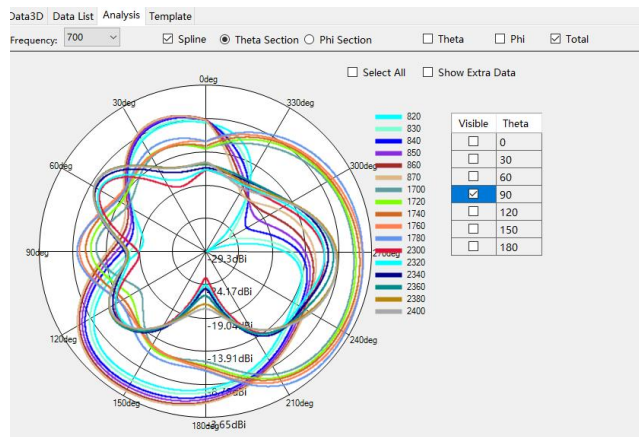
ANT0



GSM850/GSMDCS1800 WCDMA B5 LTE B3/B5/B20/B40 Phi=0deg

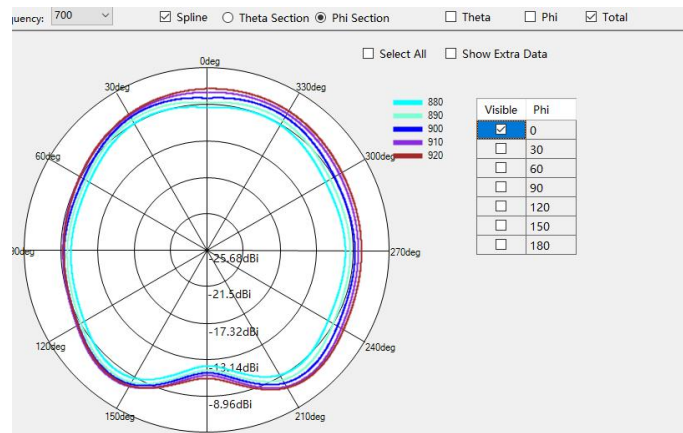


GSM850/GSMDCS1800 WCDMA B5 LTE B3/B5/B20/B40 Phi=90deg

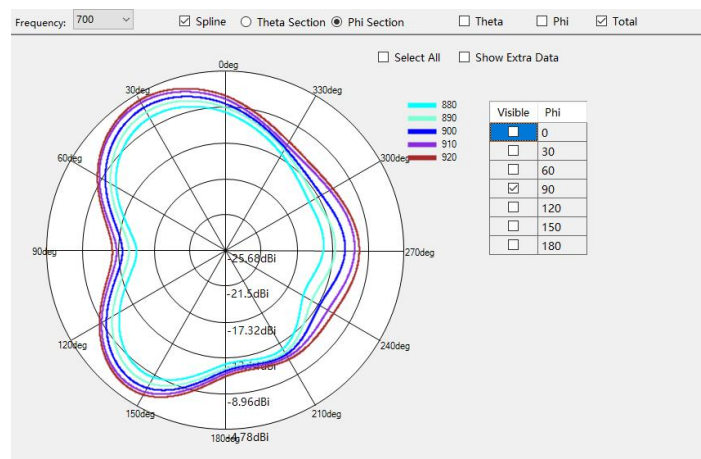


GSM850/GSMDCS1800 WCDMA B5 LTE B3/B5/B20/B40 Theta=90deg

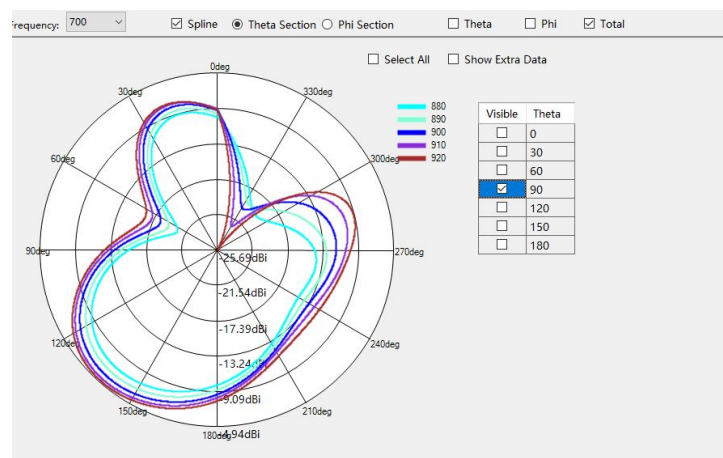
※ Antenna Gain  
ANT0



GSM900 WCDMA B8 LTE B8 Phi=0deg



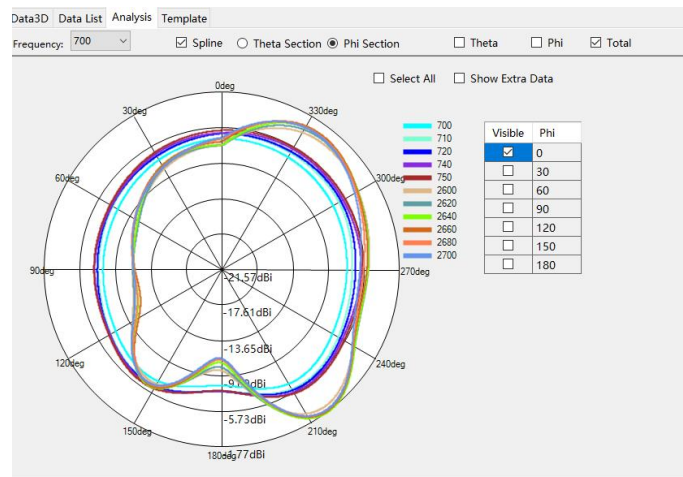
GSM900 WCDMA B8 LTE B8 Phi=90deg



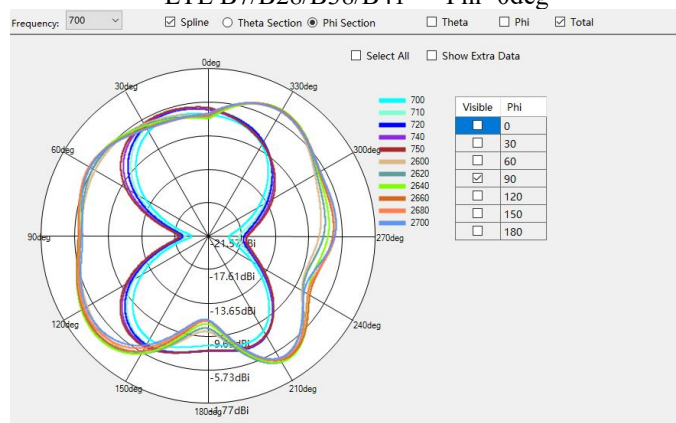
GSM900 WCDMA B8 LTE B8 Theta=90deg

## ※ Antenna Gain

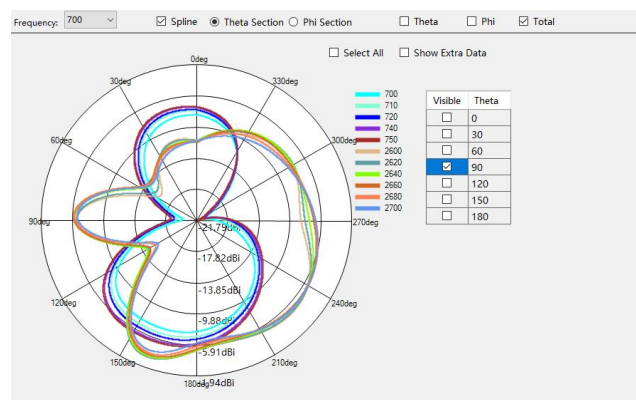
ANT0



LTE B7/B28/B38/B41 Phi=0deg



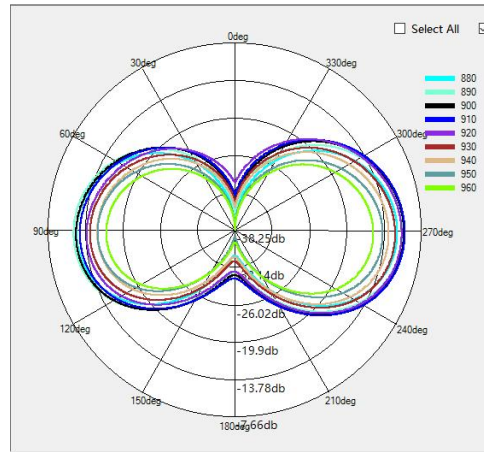
LTE B7/B28/B38/B41 Phi=90deg



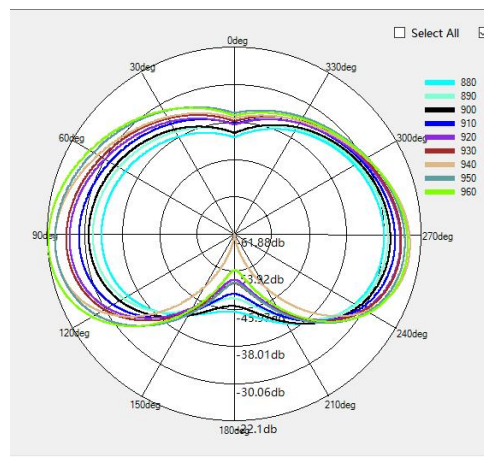
LTE B7/B28/B38/B41 Theta=90deg

※ Antenna Gain

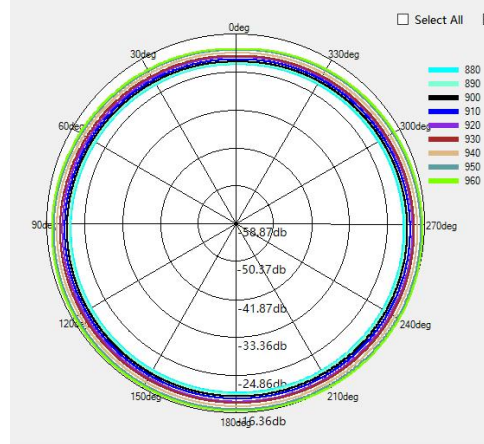
ANT2



GSM 900 WCDMA B8 LTE B8  $\Phi=0^\circ$



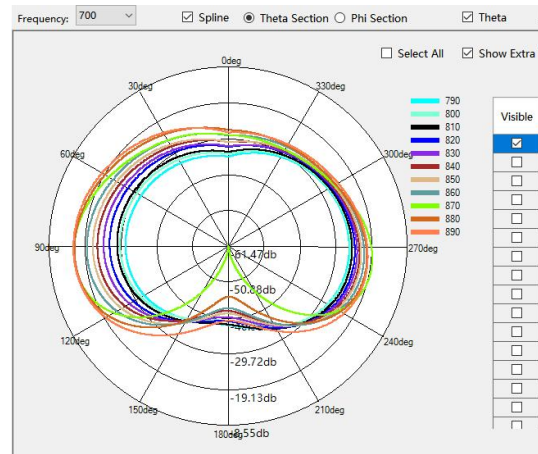
GSM 900 WCDMA B8 LTE B8  $\Phi=90^\circ$



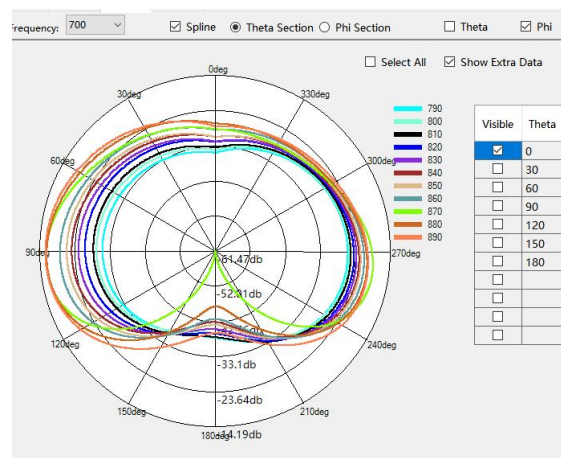
GSM 900 WCDMA B8 LTE B8  $\Theta=90^\circ$

※ Antenna Gain

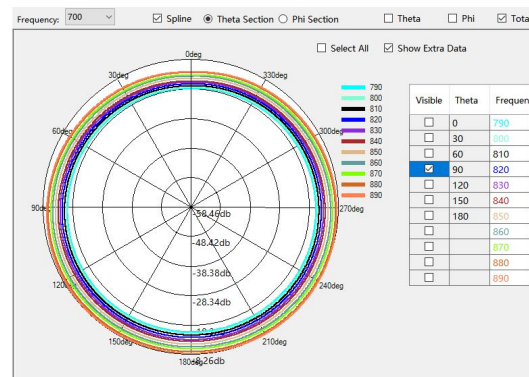
ANT2



GSM 850 WCDMA B5 LTE B5/B20 Phi=0deg



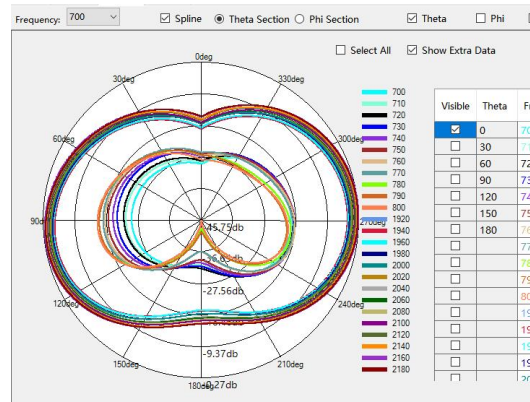
GSM 850 WCDMA B5 LTE B5/B20 Phi=90deg



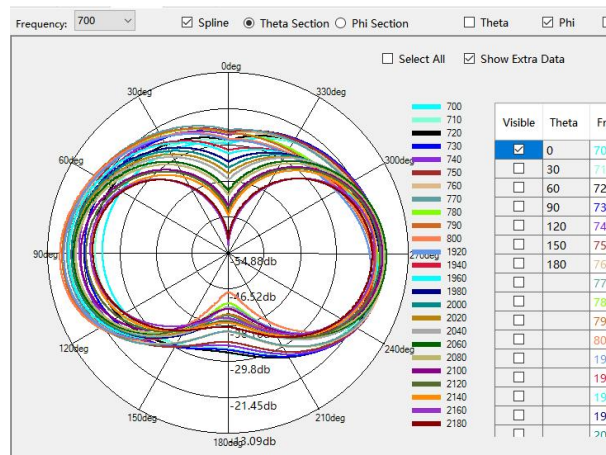
GSM 850 WCDMA B5 LTE B5/B20 Theta=90deg

※ Antenna Gain

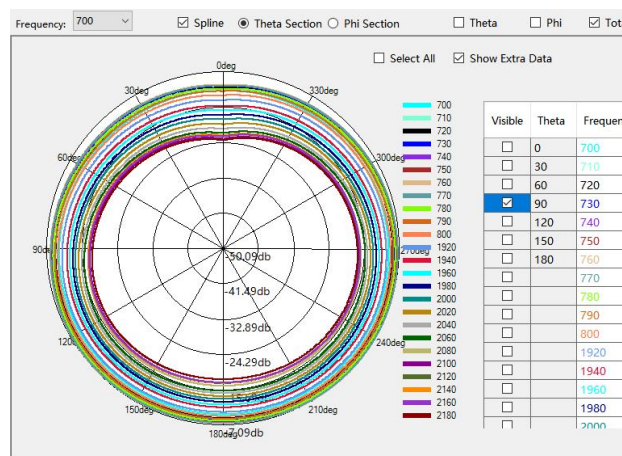
ANT2



WCDMA B1 LTE B1/B28  
Phi=0deg



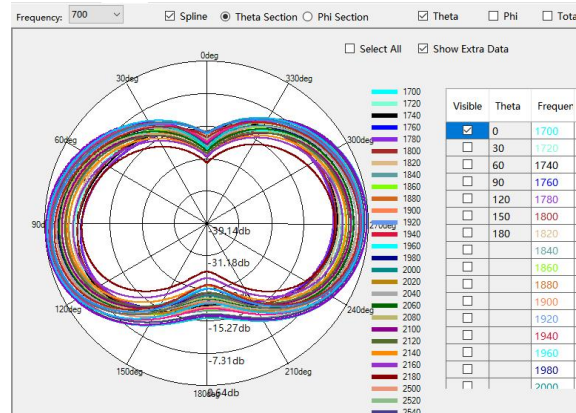
WCDMA B1 LTE B1/B28  
Phi=90deg



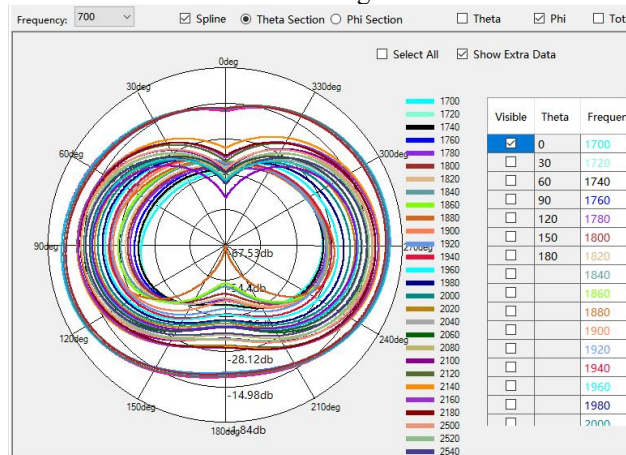
WCDMA B1 LTE B1/B28  
Theta=90deg

※ Antenna Gain

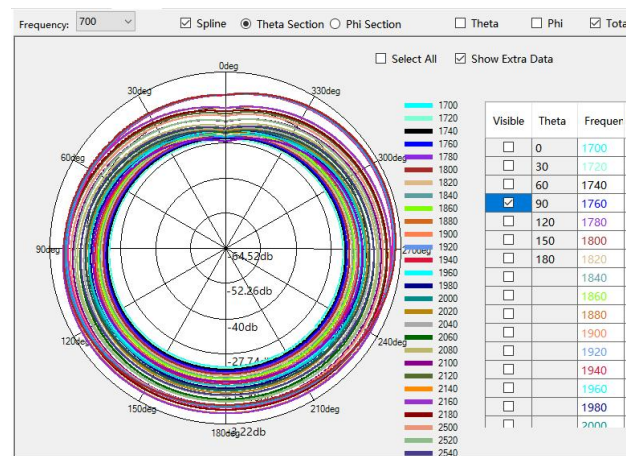
ANT2



GSM DCS1800/PCS1900 WCDMA B2/B4 LTE B2/B3/B4/B7/B38/B41  
Phi=0deg



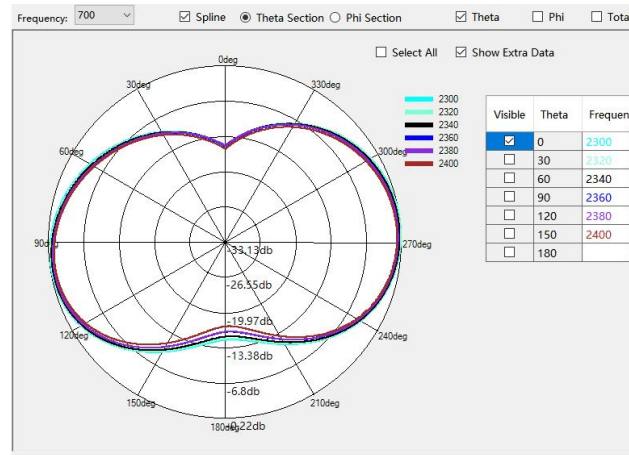
GSM DCS1800/PCS1900 WCDMA B2/B4 LTE B2/B3/B4/B7/B38/B41  
Phi=90deg



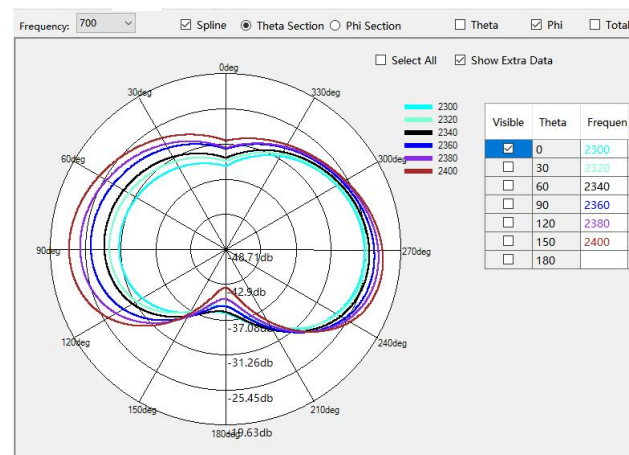
GSM DCS1800/PCS1900 WCDMA B2/B4 LTE B2/B3/B4/B7/B38/B41  
Theta=90deg

※ Antenna Gain

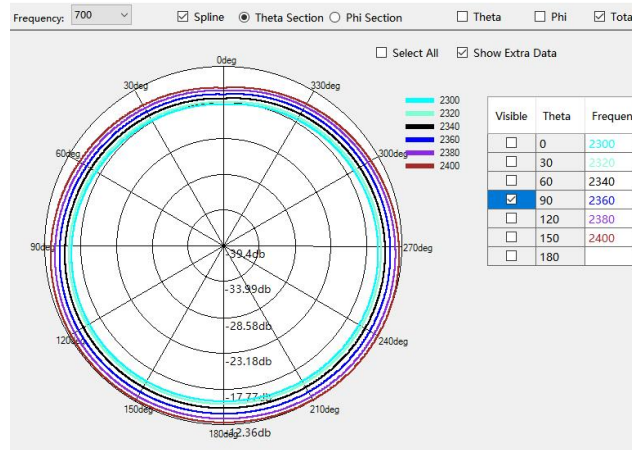
ANT2



LTE B40 Phi=0deg



LTE B40 Phi=90deg



LTE B40 Theta=90deg

|             |           |             |        |           |
|-------------|-----------|-------------|--------|-----------|
| PREPARED BY | CHECKEDBY | APPROVAL BY | S.R.NO |           |
|             |           |             | DATE:  | 2025/3/10 |