

## Feature

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

## Application

### B1 配置

- ※ 2G: GSM850/PCS1900
  - 3G: B2/B4/B5
  - 4G: B2/ B4/B5/B7 /B12/B17 /B26 /B40/B41/B66
- communication applications

※Antenna manufacturer

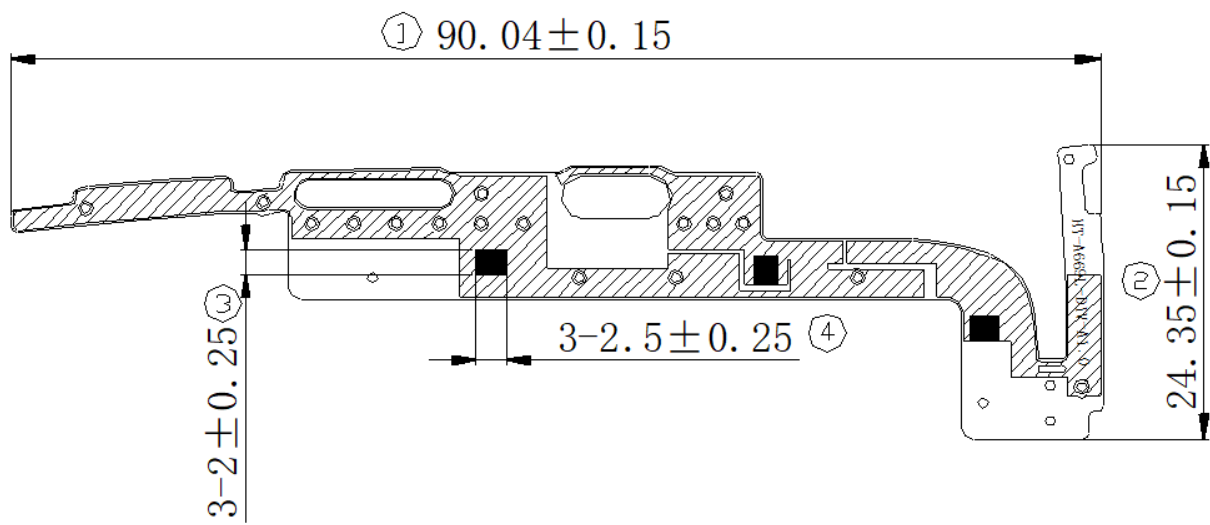
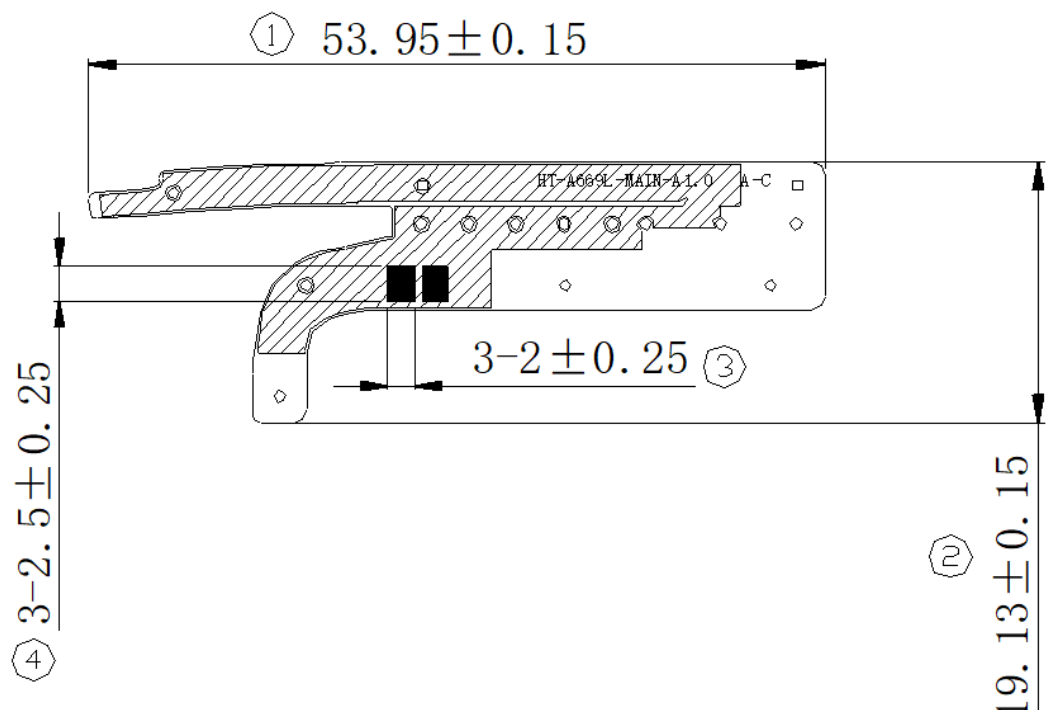
Zhejiang Haitong communications electronic Limited

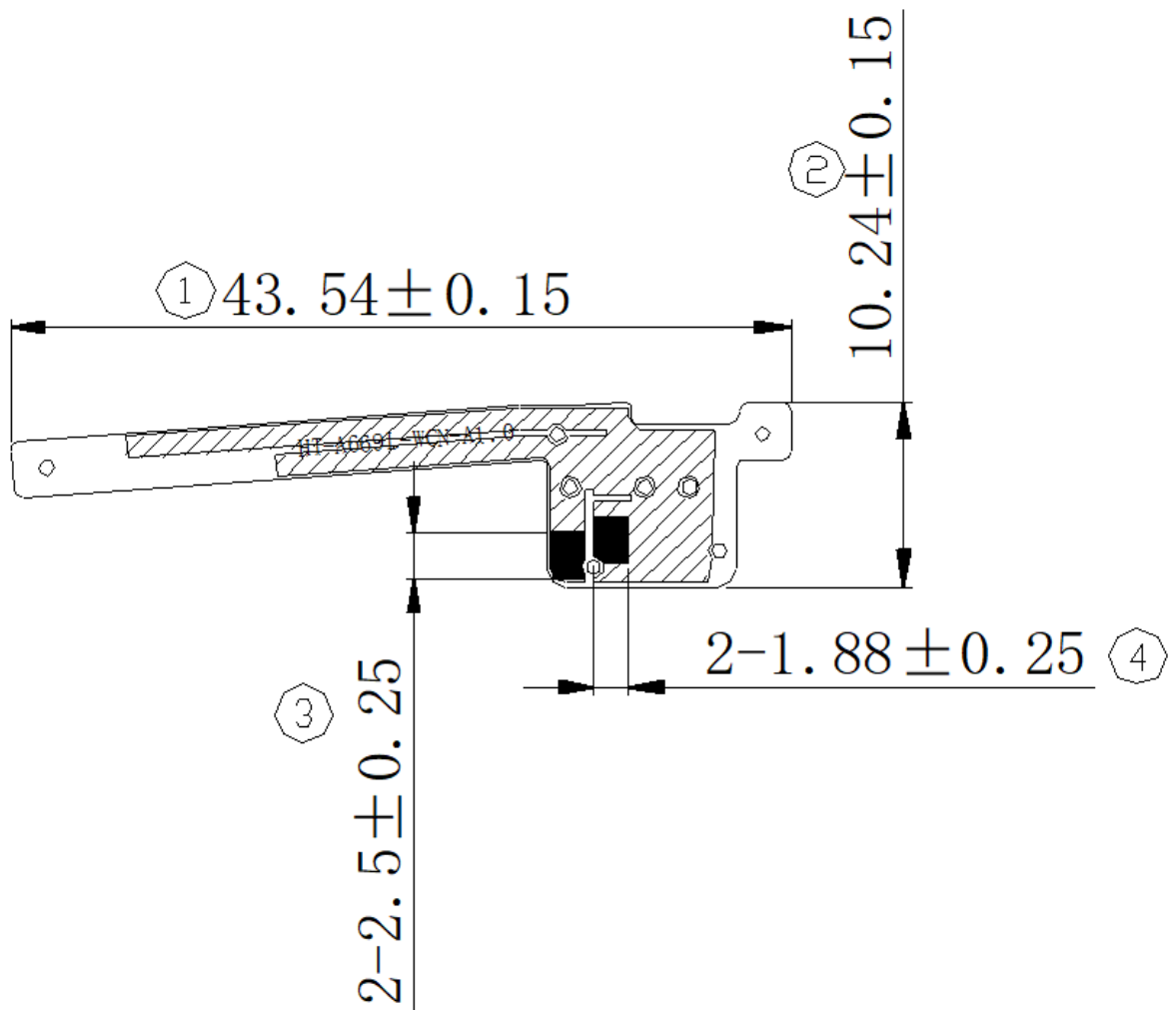
浙江海通通讯电子股份有限公司

Chongqing R&D Center: Room 304, building 27, Xiantao Internation Data Valley, Yubei

District, Chongqing city

※Antenna type





## Electric Specifications

| TYPE                  | FPC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmitter Frequency | GSM850: 824~849MHz(TX)<br>PCS1900:1850-1910MHz (TX)<br>WCDMAband II :1850~1910MHz(TX)<br>WCDMAband IV:1710~1755MHz(TX)<br>WCDMAband V: 824~849MHz(TX)<br>LTE B2: 1850~1910MHz(TX)<br>LTE B4: 1710~1755MHz(TX)<br>LTE B5: 824~849MHzMHz(TX)<br>LTE B7: 2500~2570MHz(TX)<br>LTE B12: 699~716MHz(TX)<br>LTE B17: 704~716MHz(TX)<br>LTE B20: 832~862MHz(TX)<br>LTE B26: 814~849MHz(TX)<br>LTE B40: 2300~2400MHz(TX)<br>LTE B41: 2535~2655MHz(TX)<br>LTE B66: 1710~1780MHz(TX)<br>WIFI:2412 -2472 MHz |

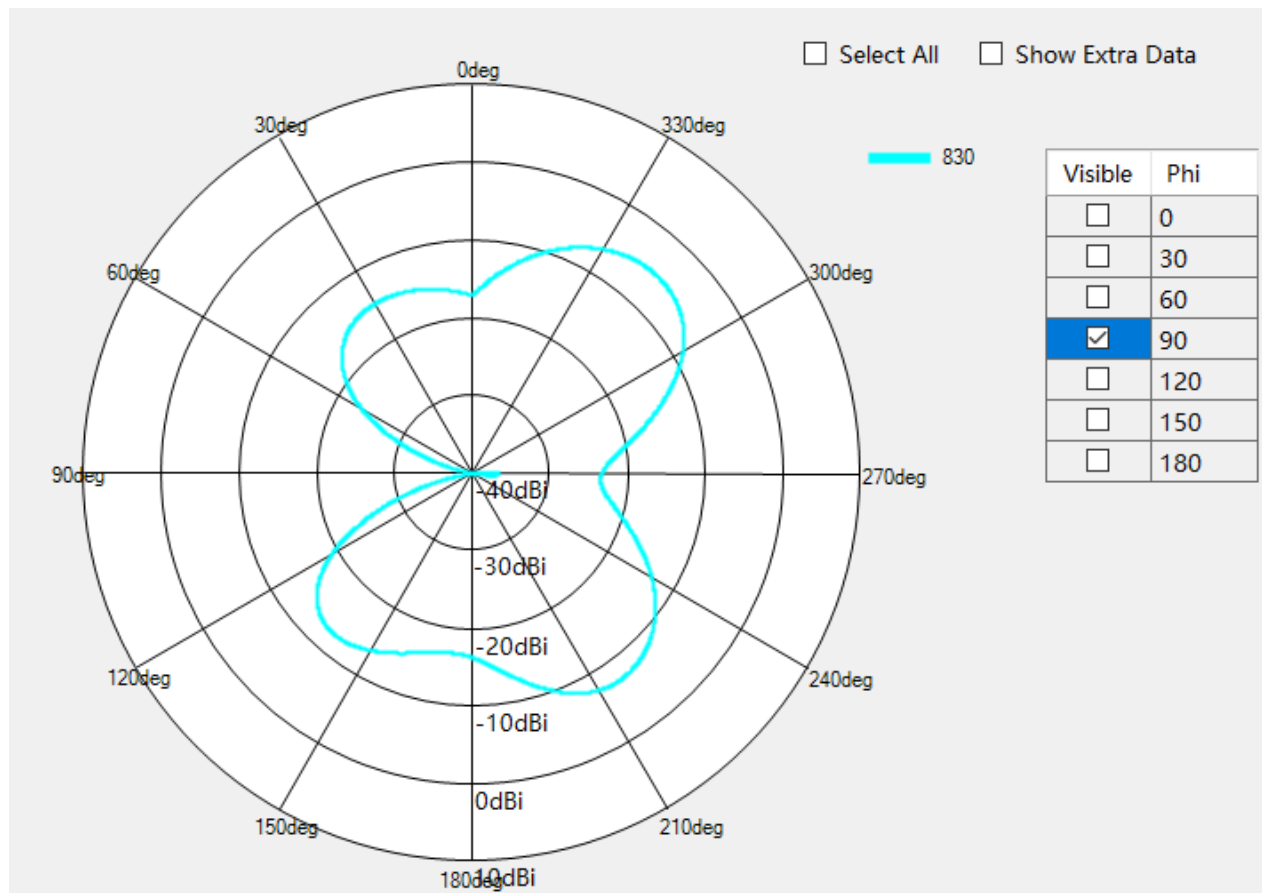
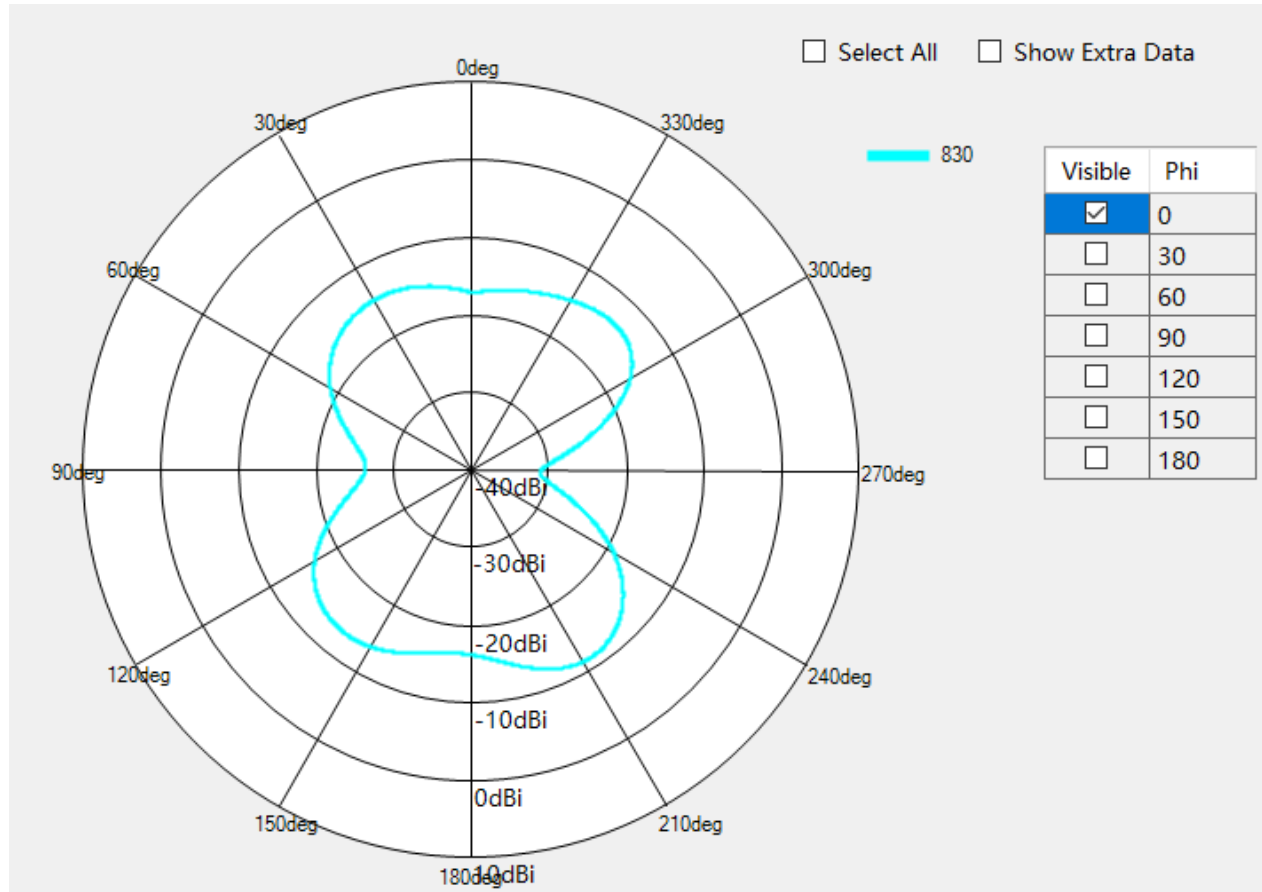
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | GPS:1575.42MHz<br>Bluetooth:2408 - 2480 MHz                                                                                                                                                                                                                                                                                                                                                                                                     |
| Receiver Frequency           | GSM850: 869-894MHz (RX)<br>PCS1900:1930-1990MHz (RX)<br>WCDMAband II :1930~1990MHz(RX)<br>WCDMAband IV:2110~2155MHz(RX)<br>WCDMAband V: 869~894MHz(RX)<br>LTE B2: 1930~1990MHz(RX)<br>LTE B4: 2110~2155MHz(RX)<br>LTE B5: 869~894MHzMHz(RX)<br>LTE B7: 2620~2690MHz(RX)<br>LTE B12: 729~746MHz(RX)<br>LTE B17: 734~746MHz(RX)<br>LTE B26: 859~894MHz(RX)<br>LTE B40: 2300~2400MHz(RX)<br>LTE B41: 2565~2645MHz(RX)<br>LTE B66: 2110~2200MHz(RX) |
| RF-Output Power<br>(E.I.R.P) | GSM850: 33+/-2dBm<br>PCS1900:30+/-2dBm<br>WCDMA 850: 22.5+/-2dBm<br>WCDMA 900: 22.5+/-2dBm<br>WCDMA 1800: 22.5+/-2dBm<br>WCDMA 1900: 22.5+/-2dBm<br>WCDMA 2100: 22.5+/-2dBm<br>LTE B2:22+/-2dBm<br>LTE B4:22+/-2dBm<br>LTE B5:22+/-2dBm<br>LTE B7:22+/-2dBm<br>LTE B12:22+/-2dBm<br>LTE B17:22+/-2dBm<br>LTE B26:22+/-2dBm<br>LTE B40:22+/-2dBm<br>LTE B41:22+/-2dBm<br>LTE B66:22+/-2dBm                                                       |

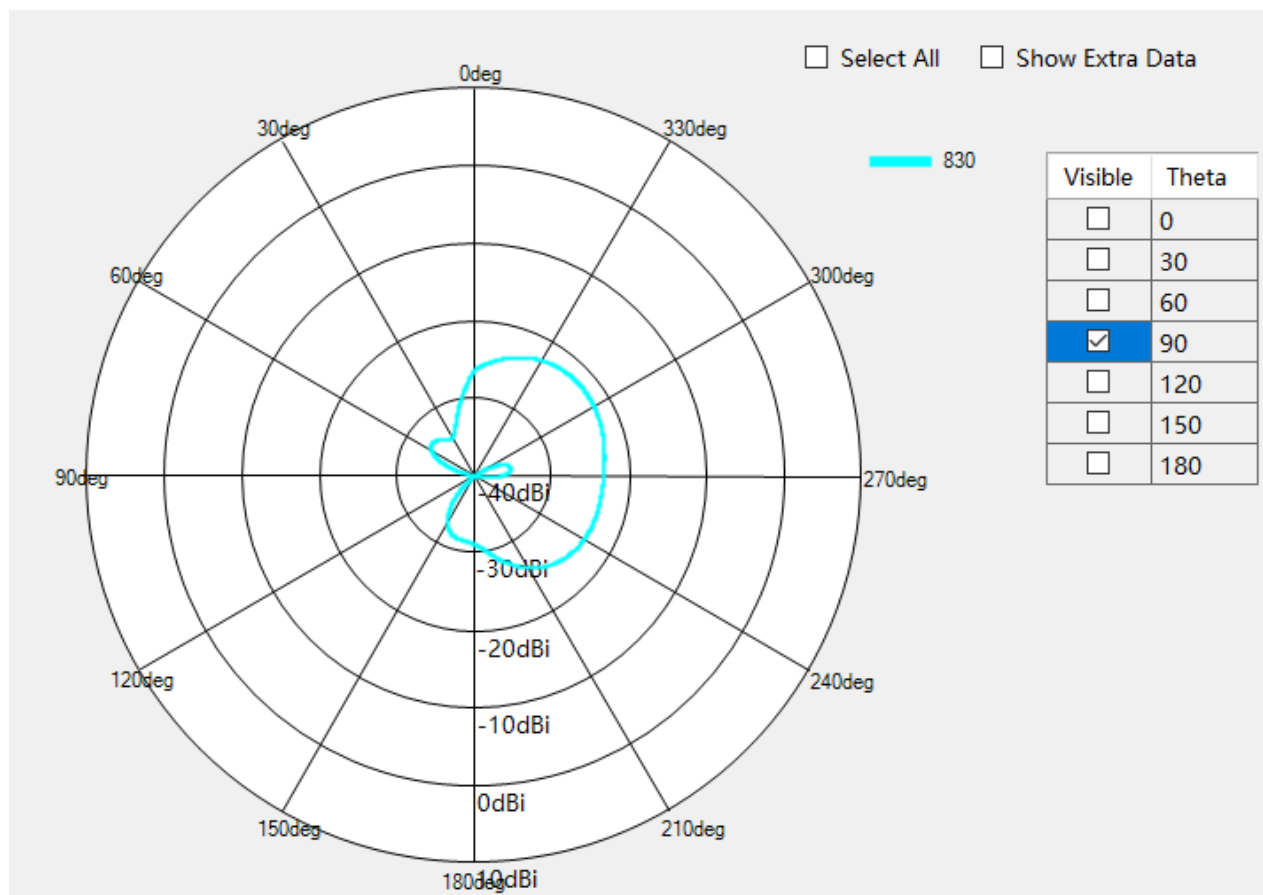
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Gain       | GSM850: -4.42 dBi<br>DCS1900: -2.69 dBi<br>WCDMA 850: -4.42dBi<br>WCDMA 900: -3.65dBi<br>WCDMA 1800: -2.97 dBi<br>WCDMA 1900: -2.69 dBi<br>WCDMA 2100: -1.86 dBi<br>LTE B2: -2.69 dBi<br>LTE B4: -2.97 dBi<br>LTE B5: -4.42 dBi<br>LTE B7: -1.18 dBi<br>LTE B12: -5.53 dBi<br>LTE B17: -5.53 dBi<br>LTE B26: -4.42 dBi<br>LTE B40: -2.78 dBi<br>LTE B41: -2.17 dBi<br>LTE B66: -2.97 dBi<br>WIFI/BT: -0.17 dBi<br>GPS: -2.50 dBi |
| Power of antenna:  | GSM850: 25.0dBm<br>PCS1900: 25.9dBm<br>WCDMA 850: 14.7dBm<br>WCDMA 900:15.7dBm<br>WCDMA 1800: 15.9dBm<br>WCDMA 1900:17.2 dBm<br>WCDMA 2100: 16.4dBm<br>LTE B2: 17.3dBm<br>LTE B4: 15.4 dBm<br>LTE B5: 14.4dBm<br>LTE B7: 18.3dBm<br>LTE B12: 13.1dBm<br>LTE B17: 13.6dBm<br>LTE B26: 16.3dBm<br>LTE B40: 15.1dBm<br>LTE B41: 17.3dBm<br>LTE B66: 16.5dBm<br>WIFI-11n: 9.5dBm<br>GPS: -152.7<br>BT: 3.5dBm                        |
| Type of Modulation | GMSK/8PSK/QPSK/16QAM/64QAM/GFSK, $\pi/4$ -DQPSK,8DPSK                                                                                                                                                                                                                                                                                                                                                                            |

# ※ Antenna Gain

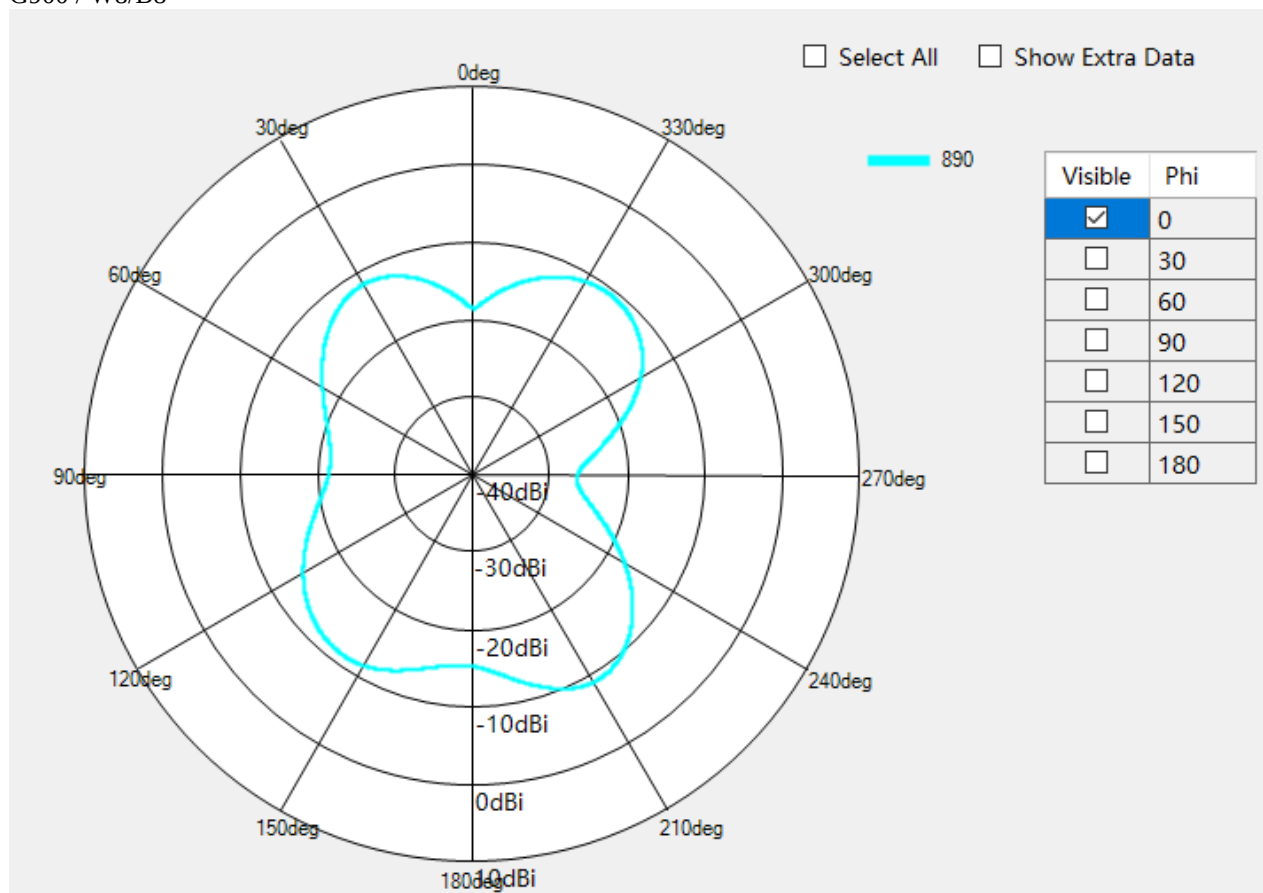
## Main Antenna

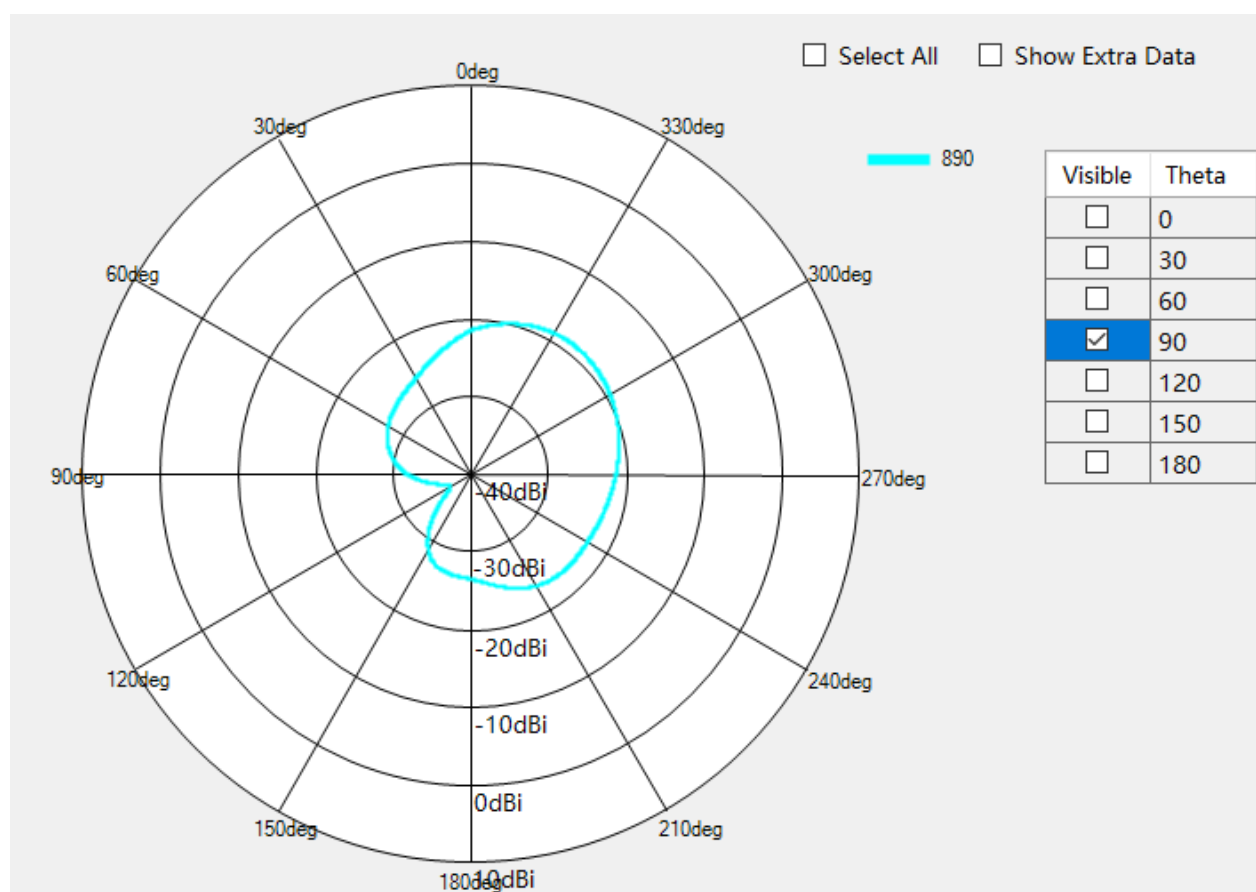
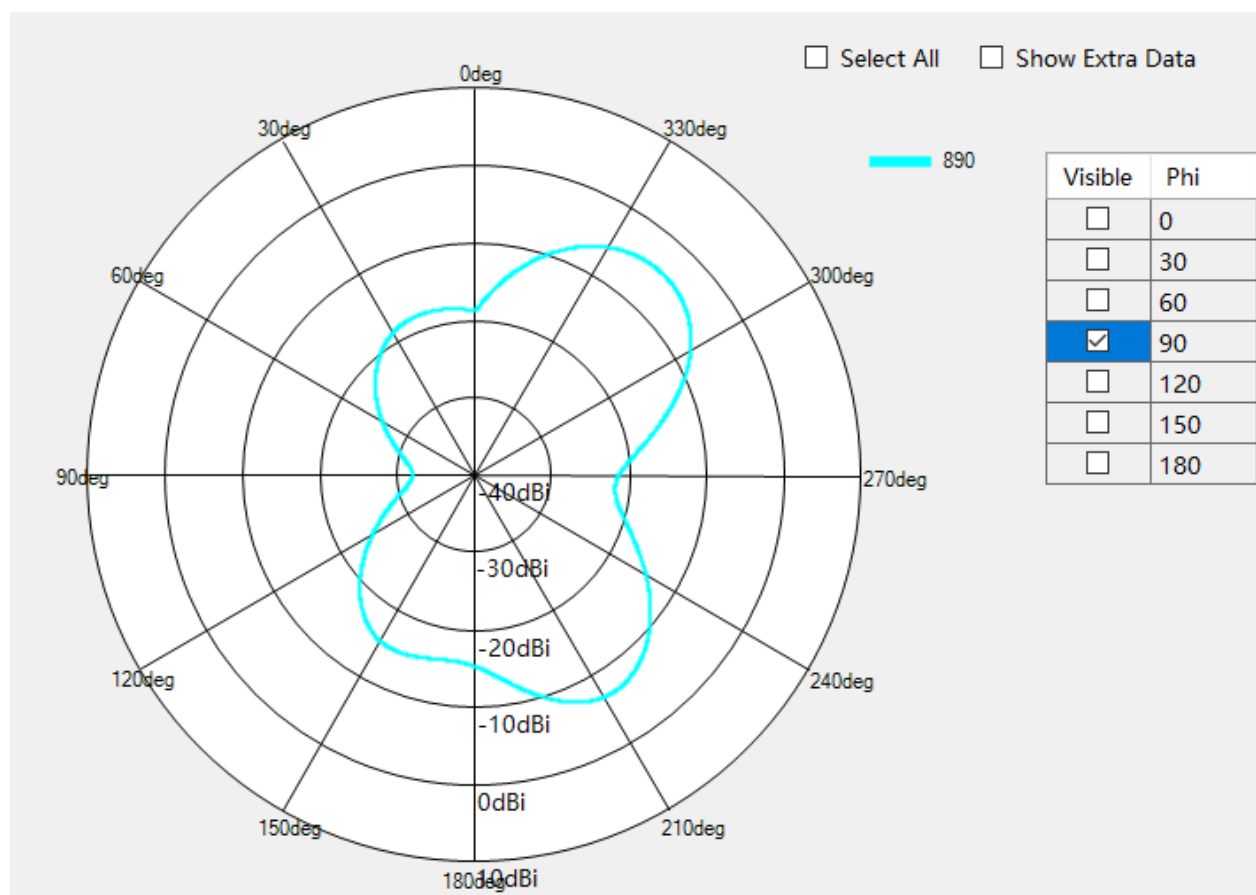
G850 W5 /B5/20/26



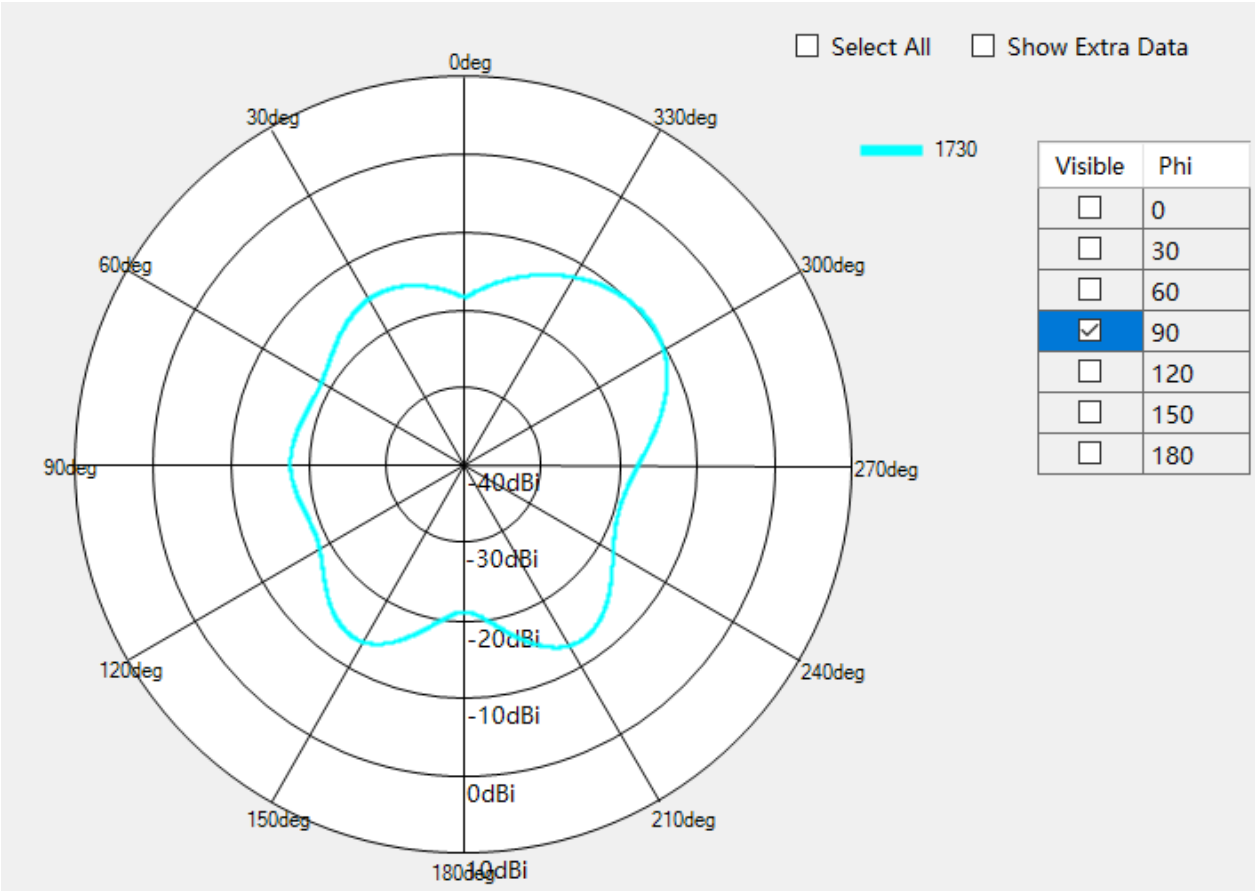
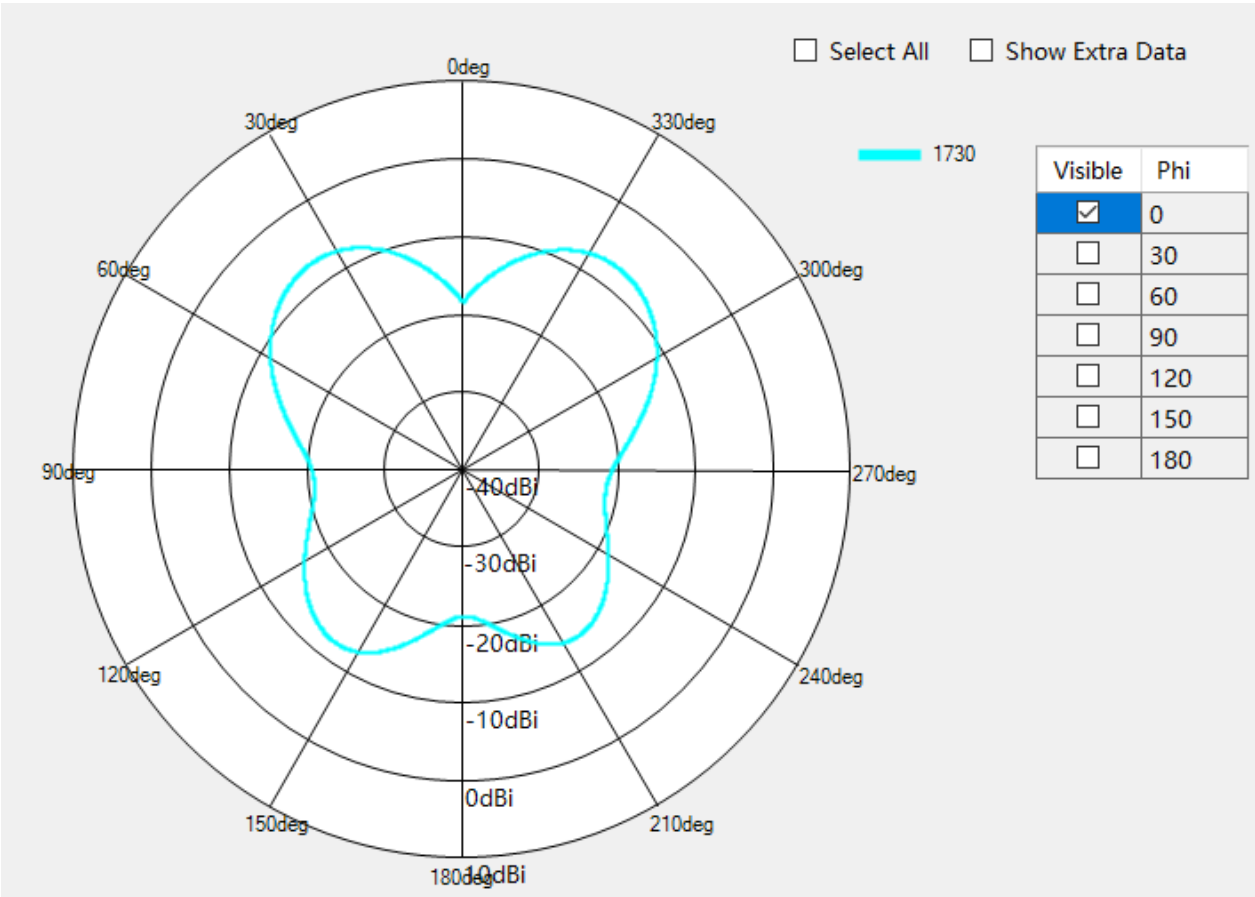


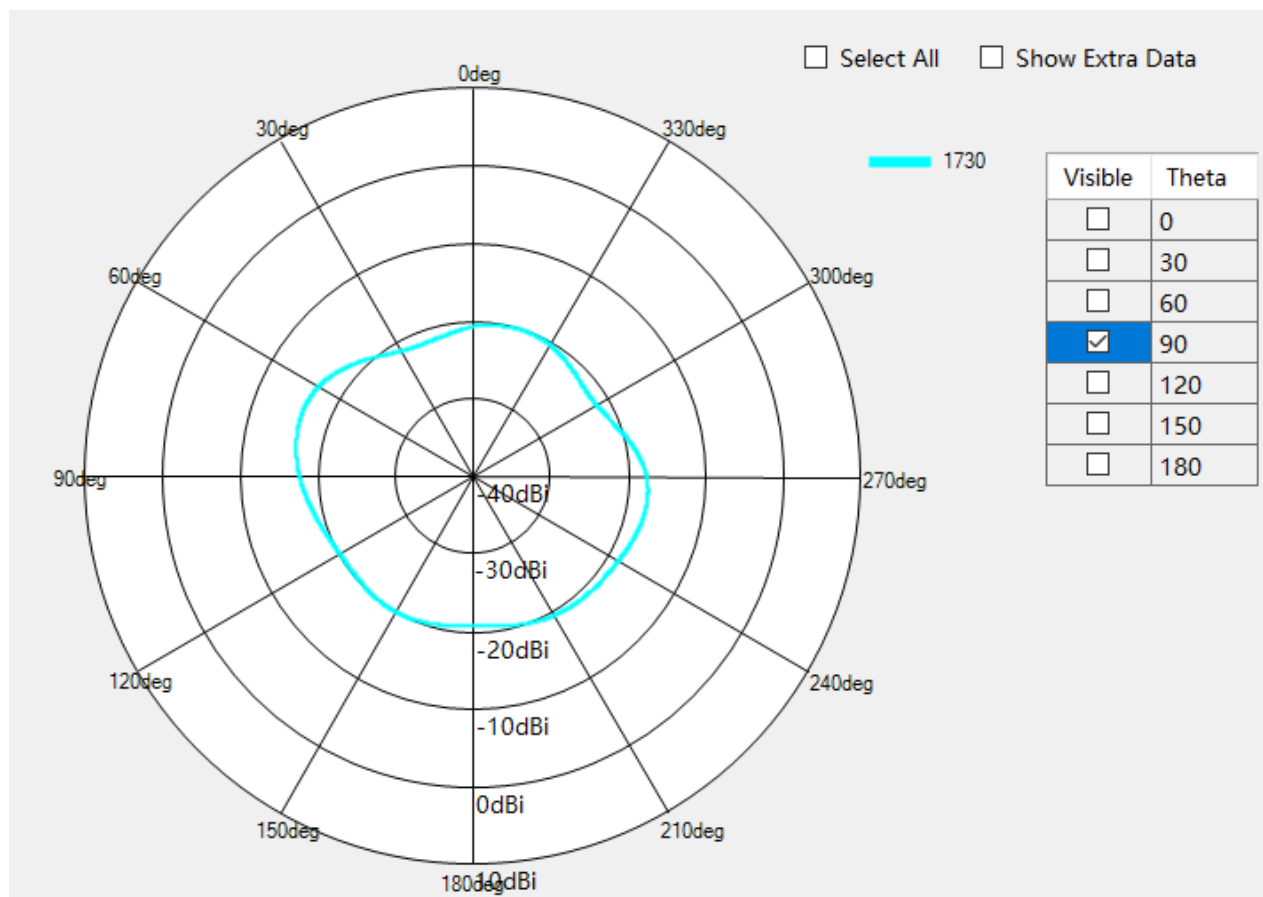
G900 / W8/B8



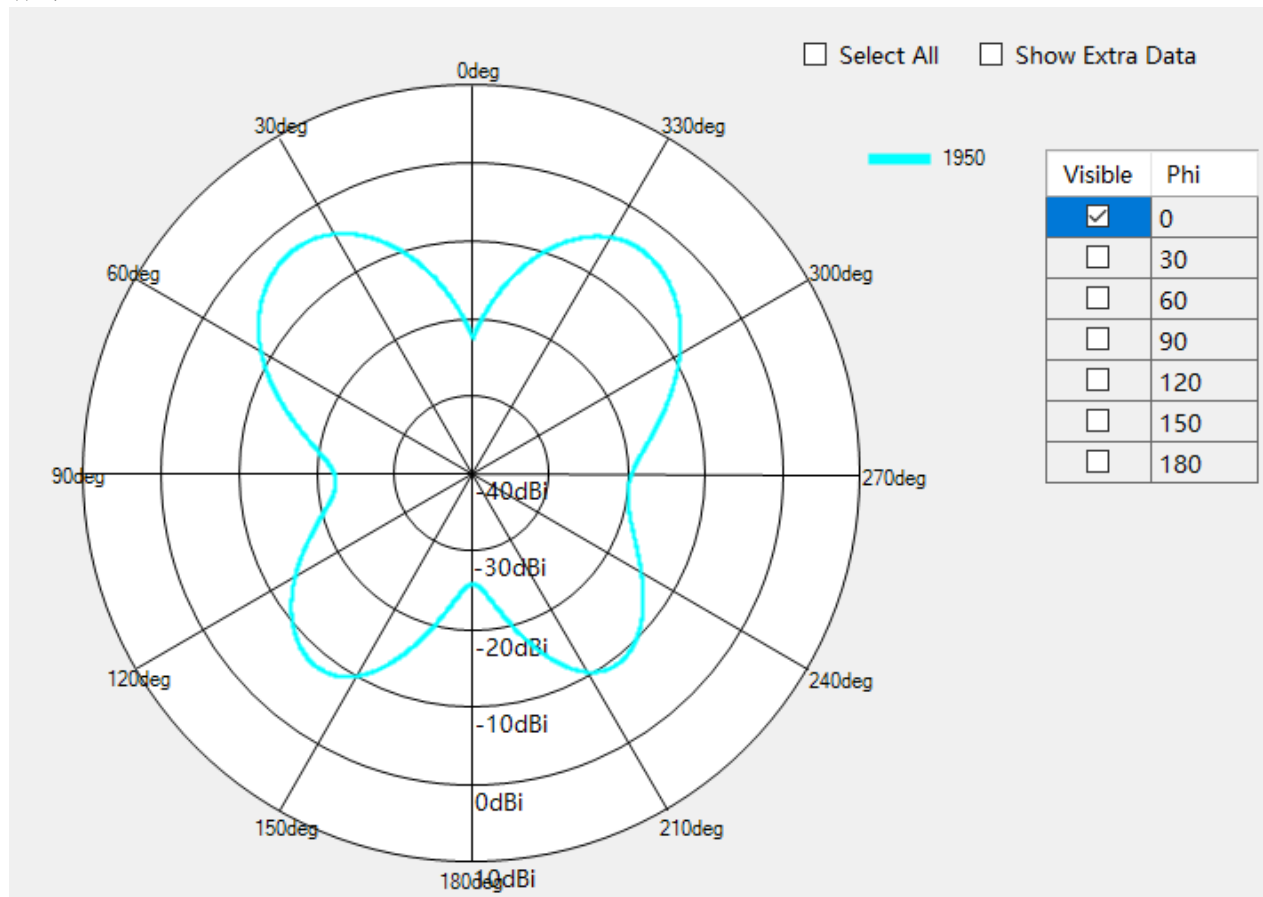


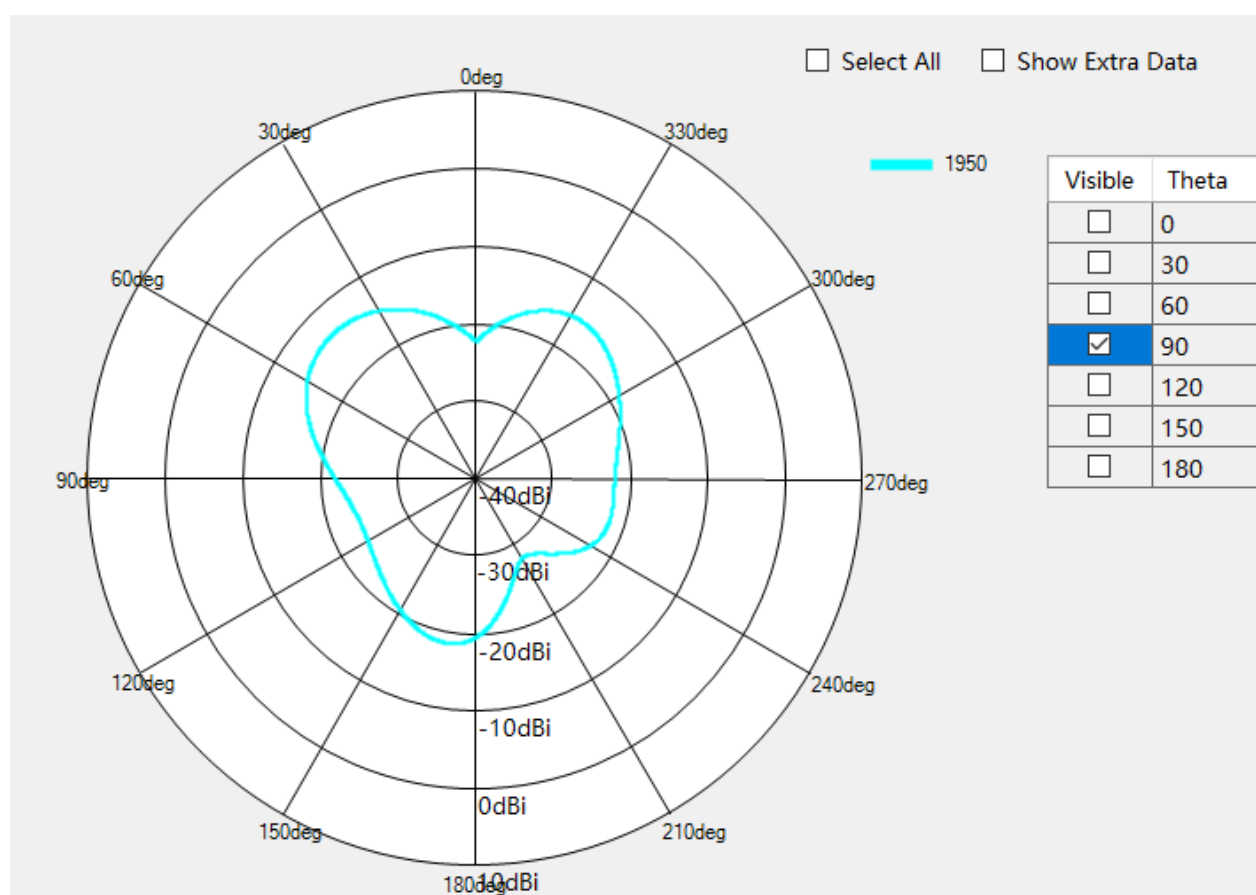
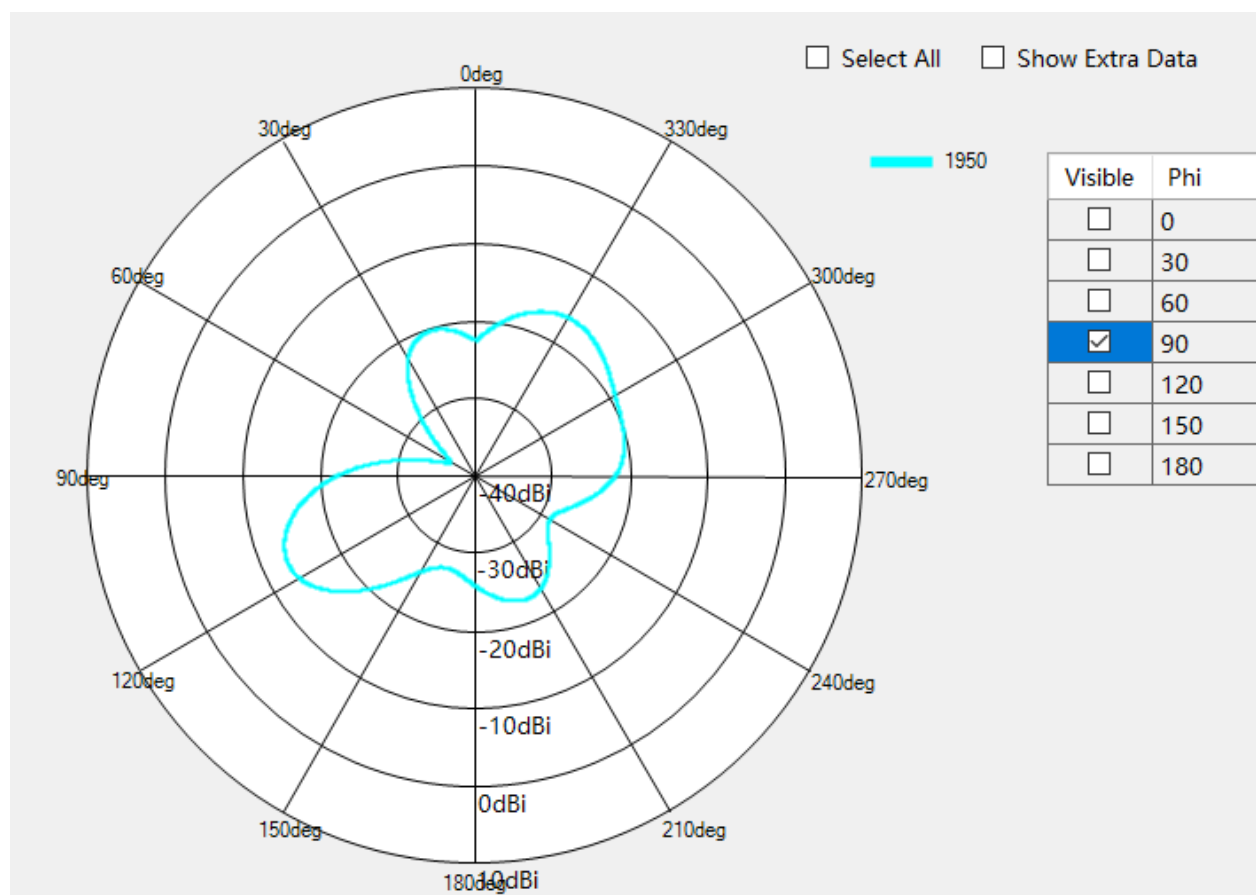


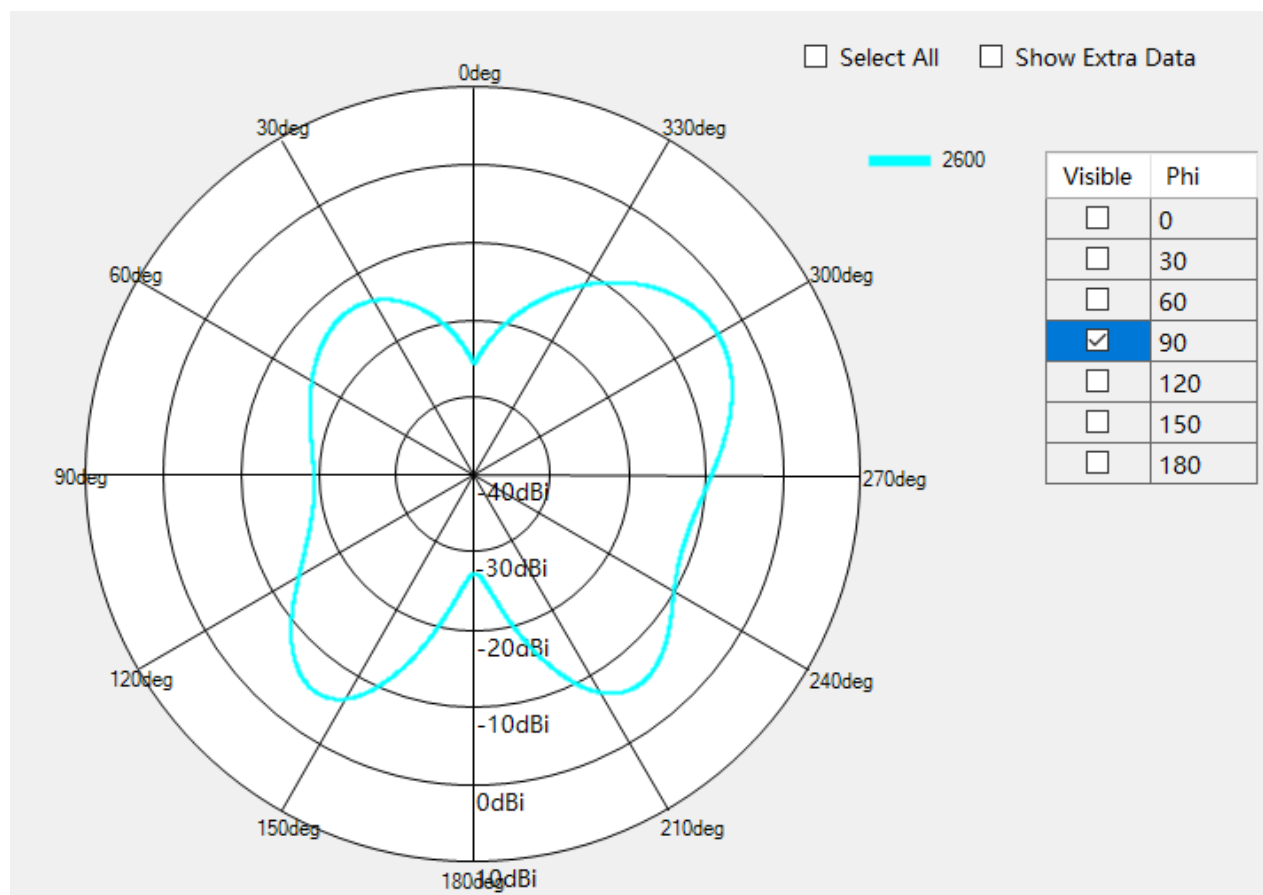
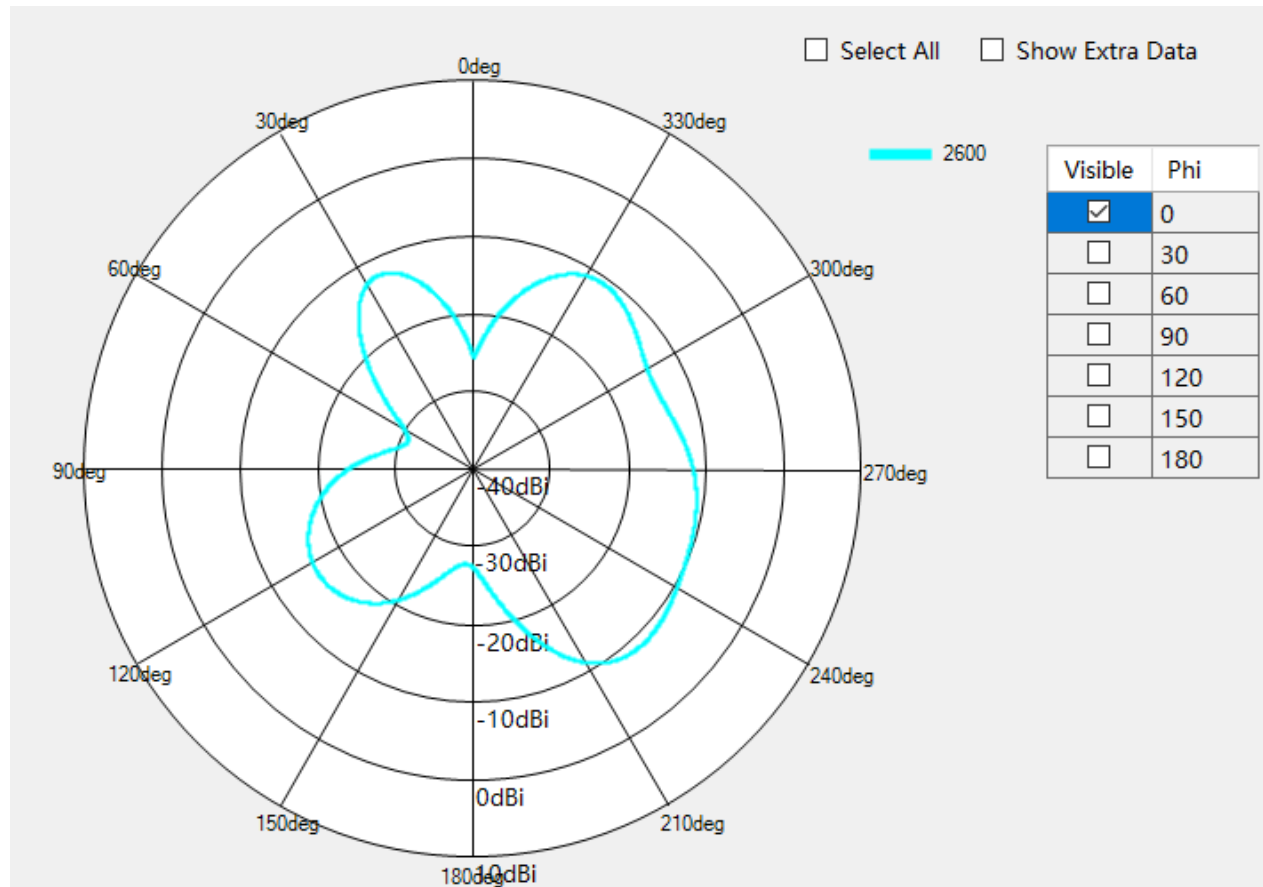


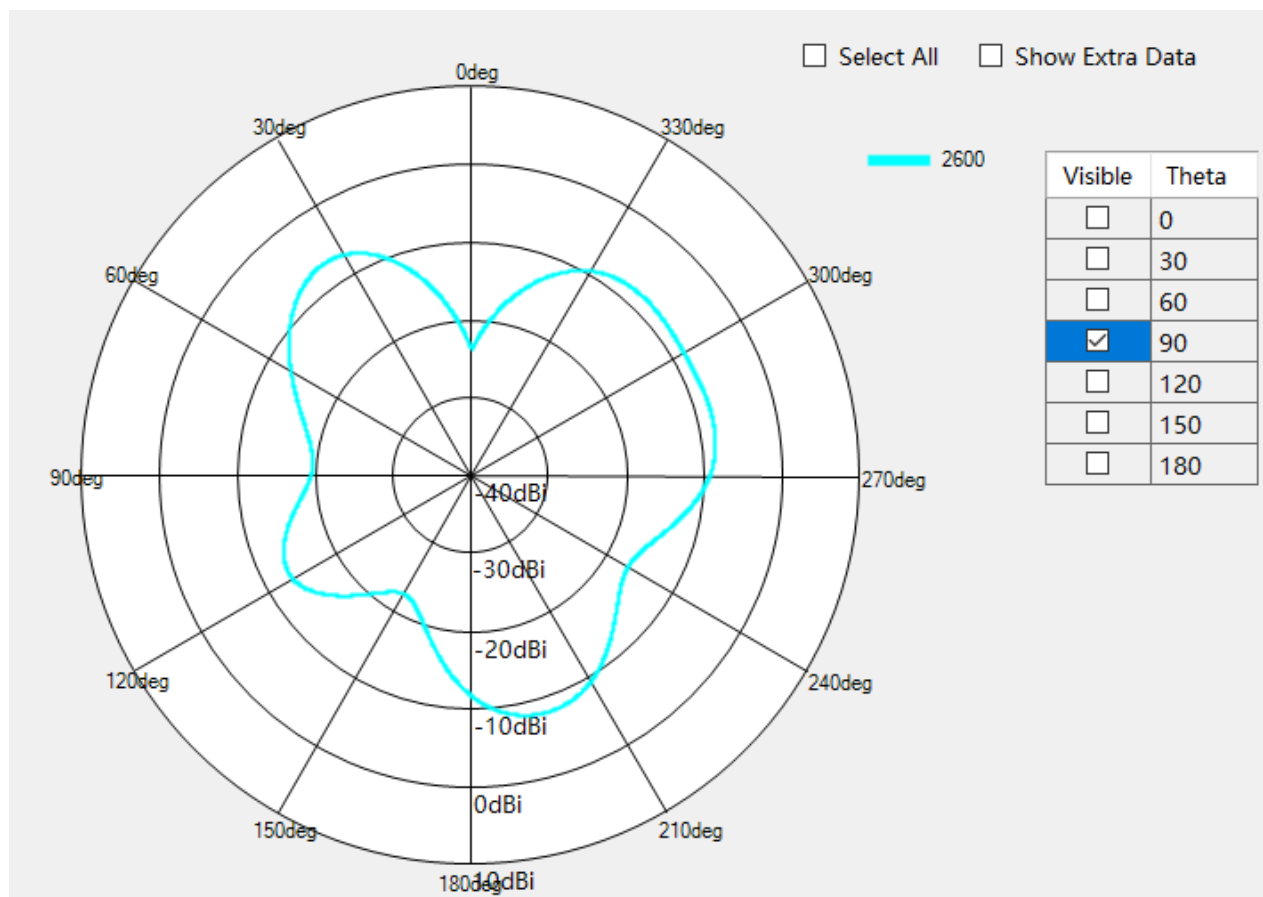


W1 /B1

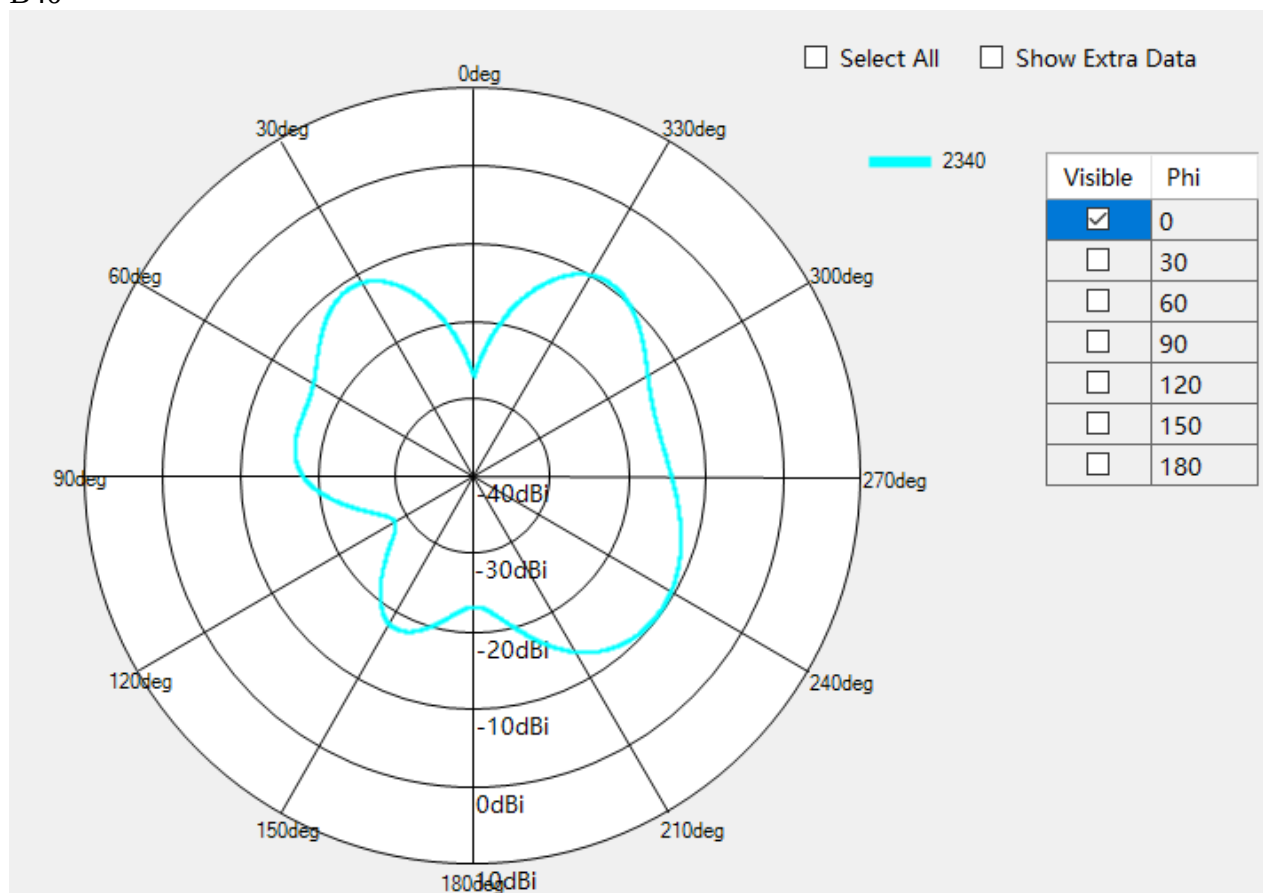


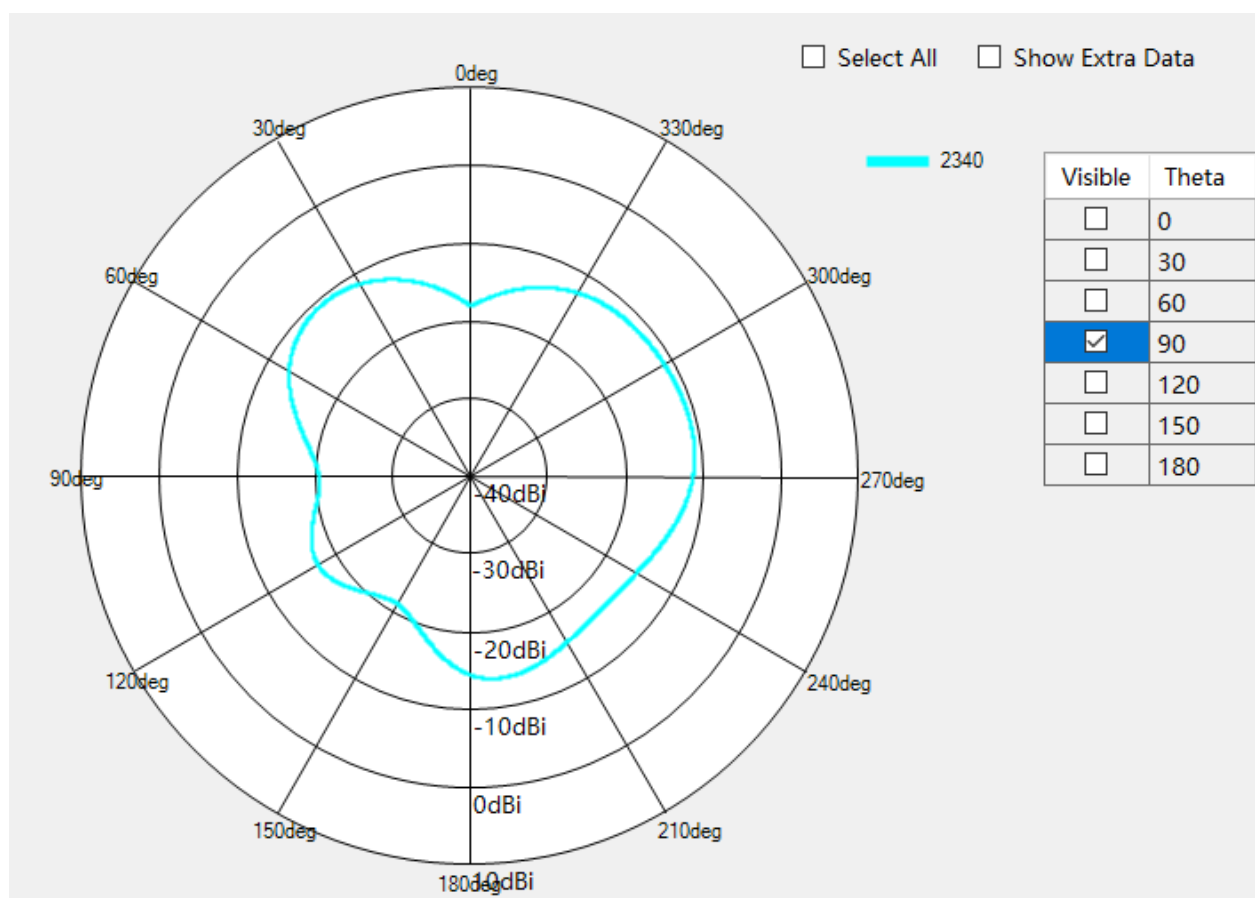
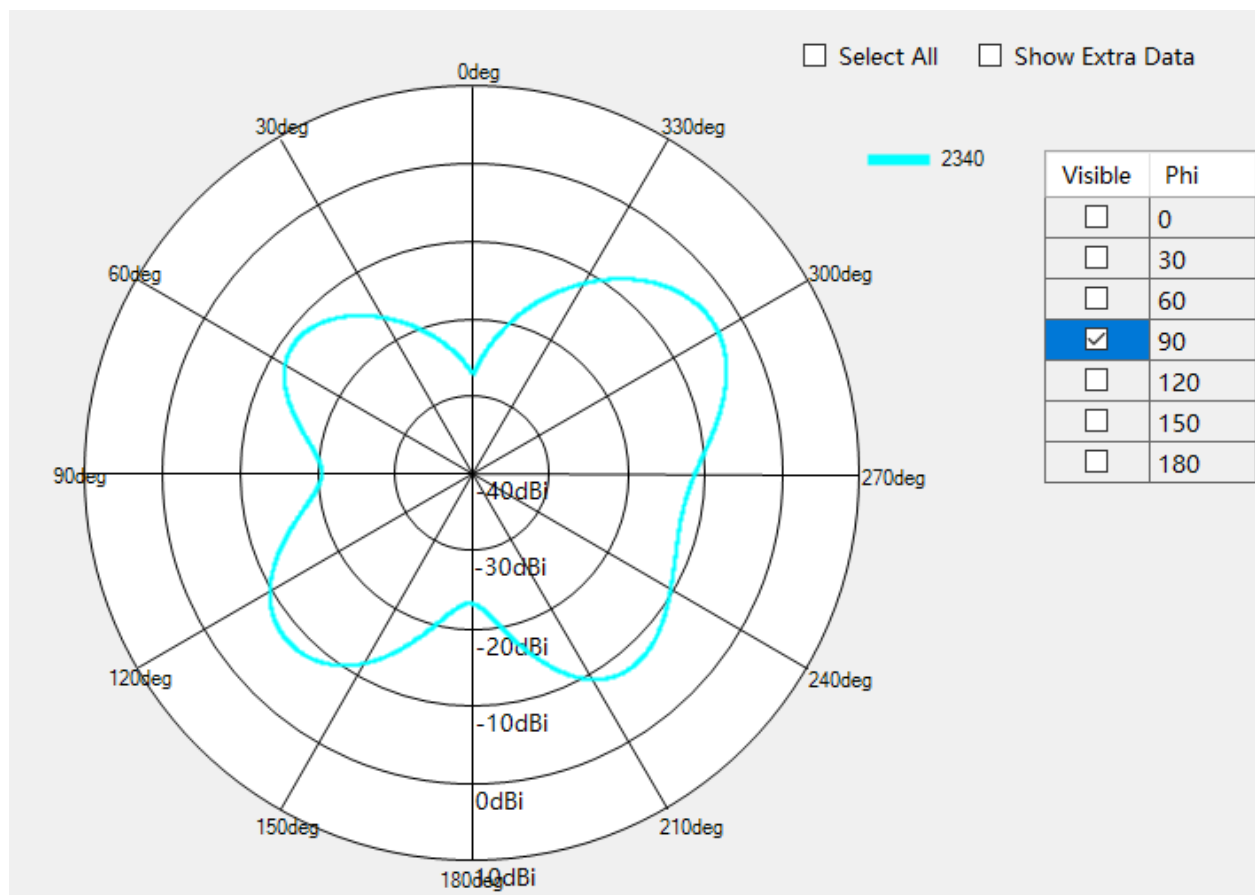


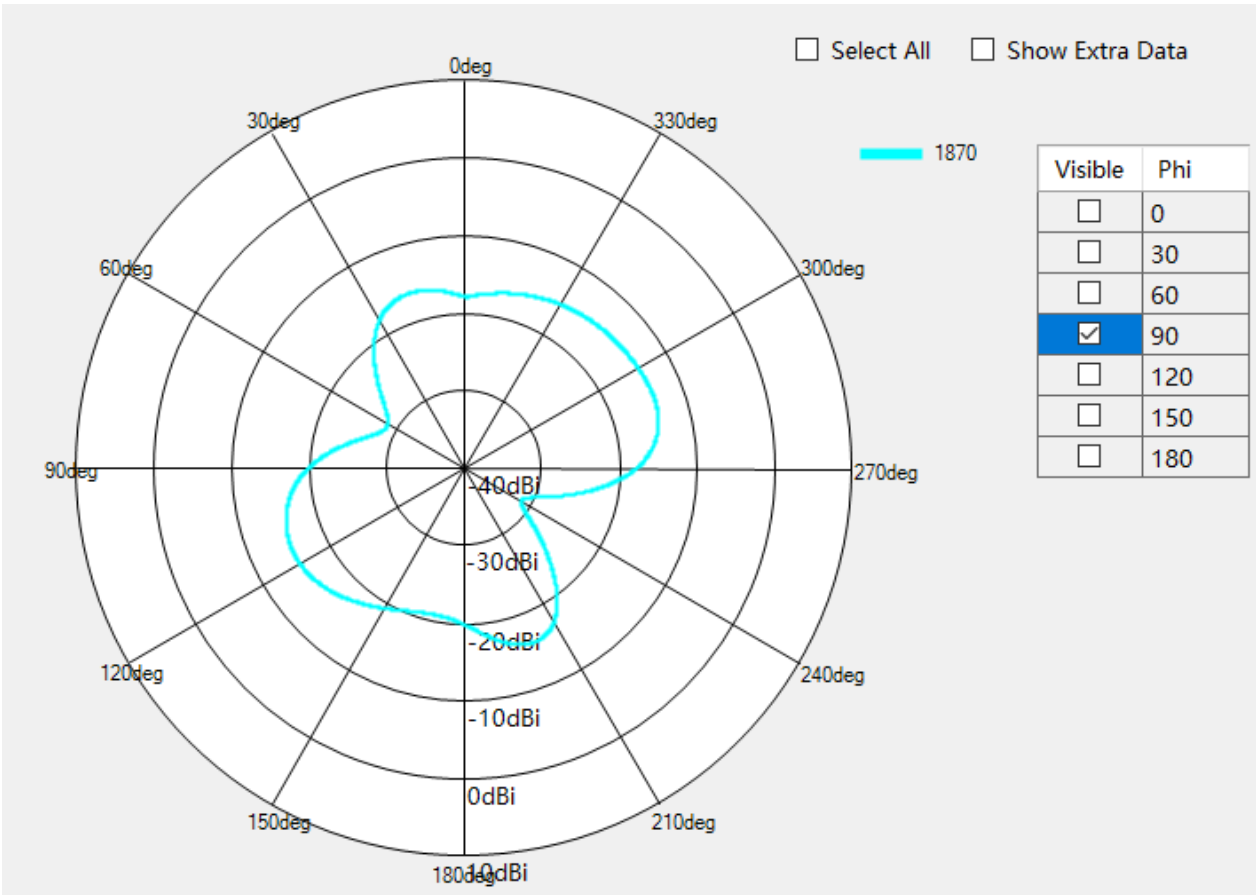
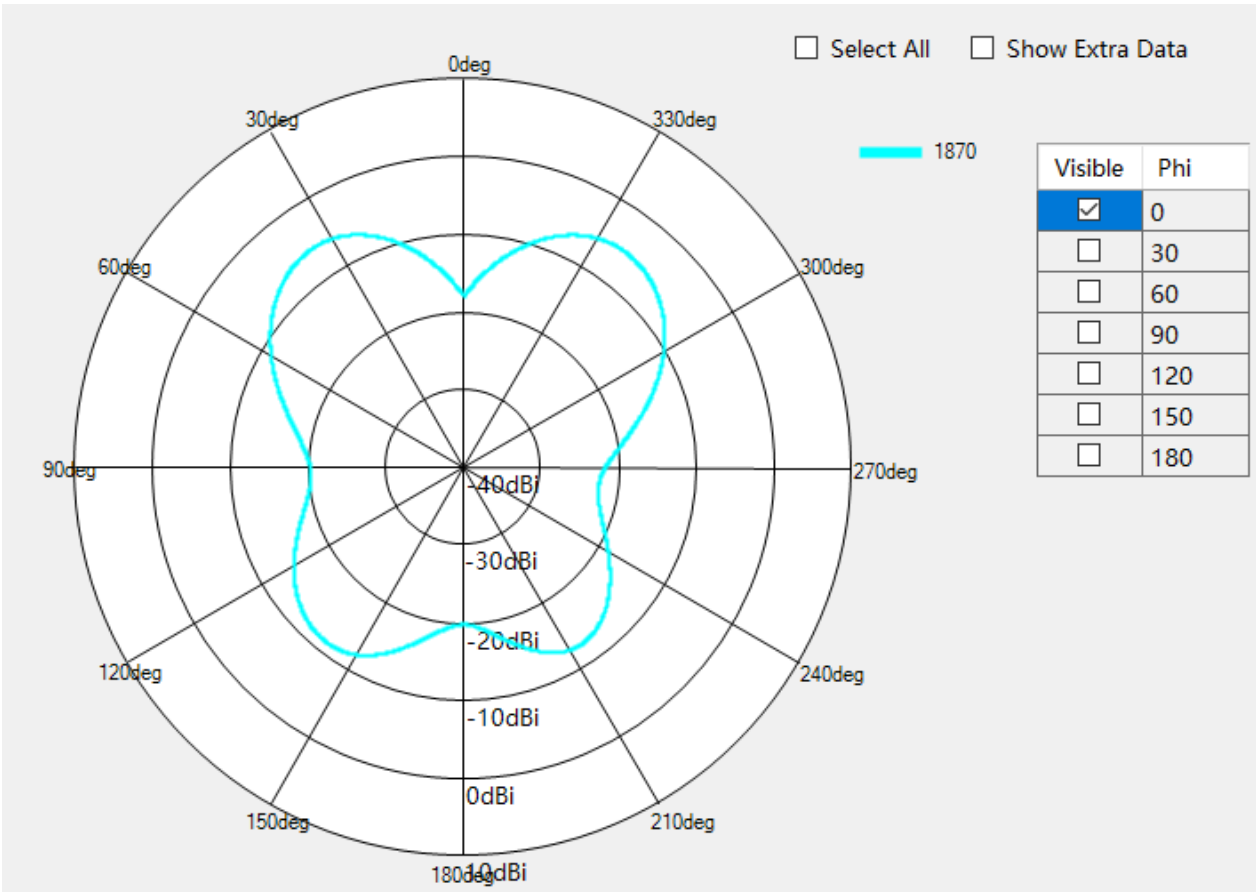




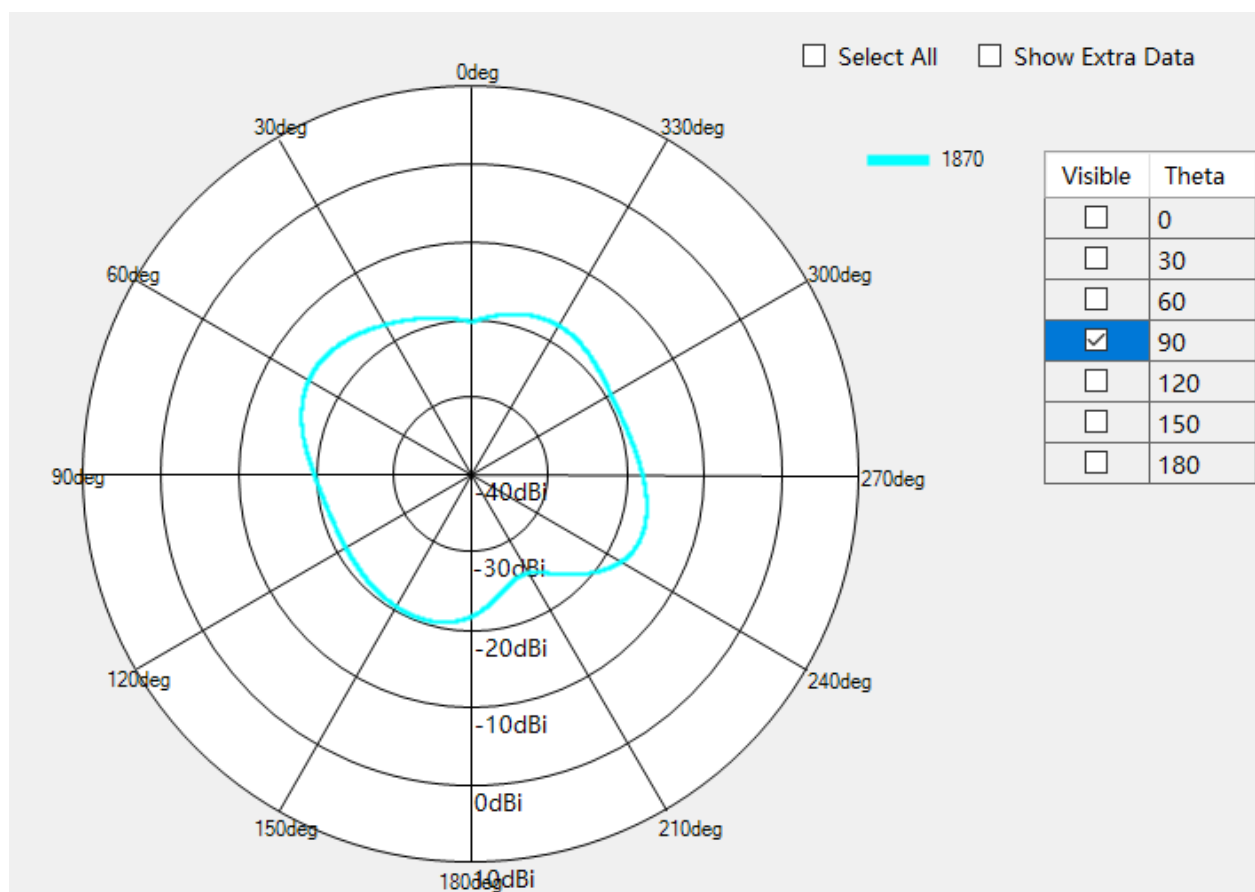
B40



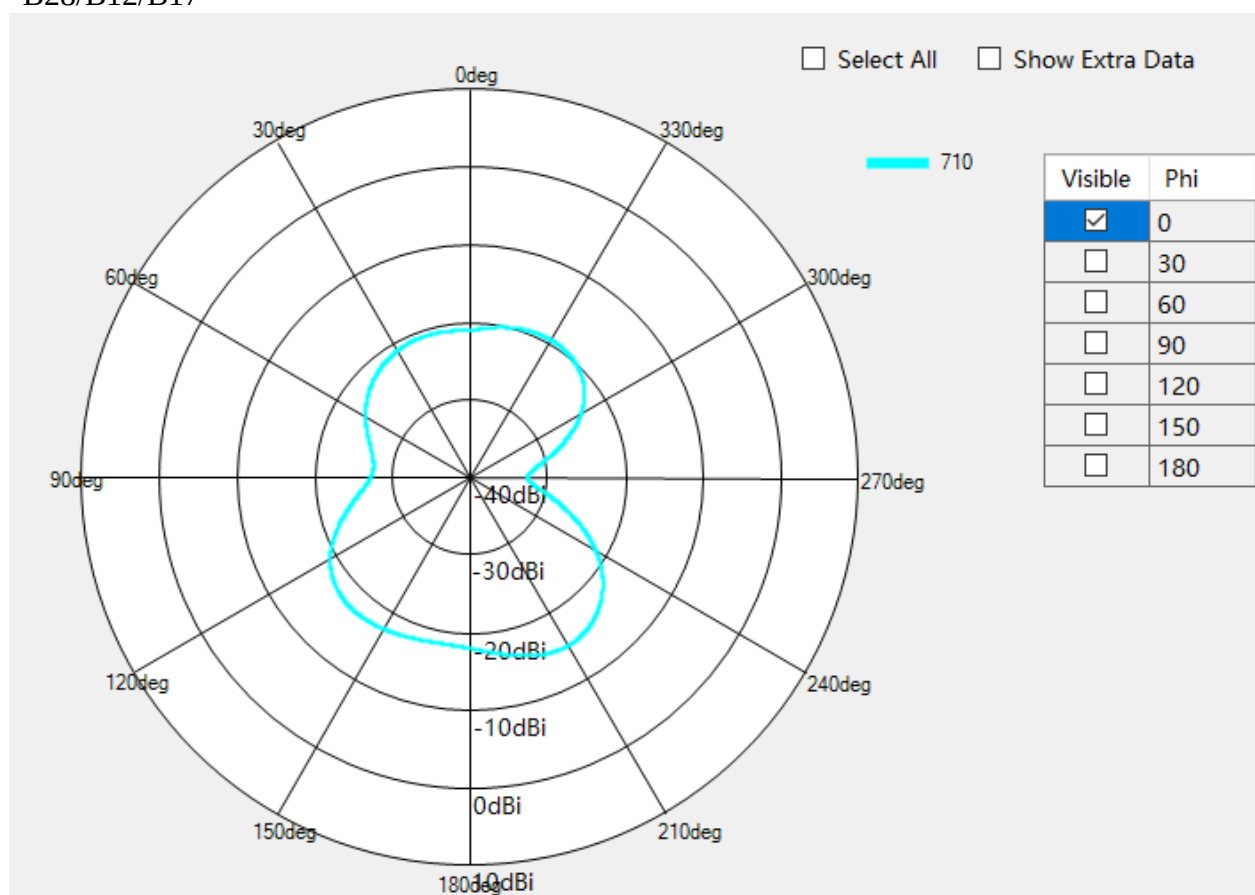




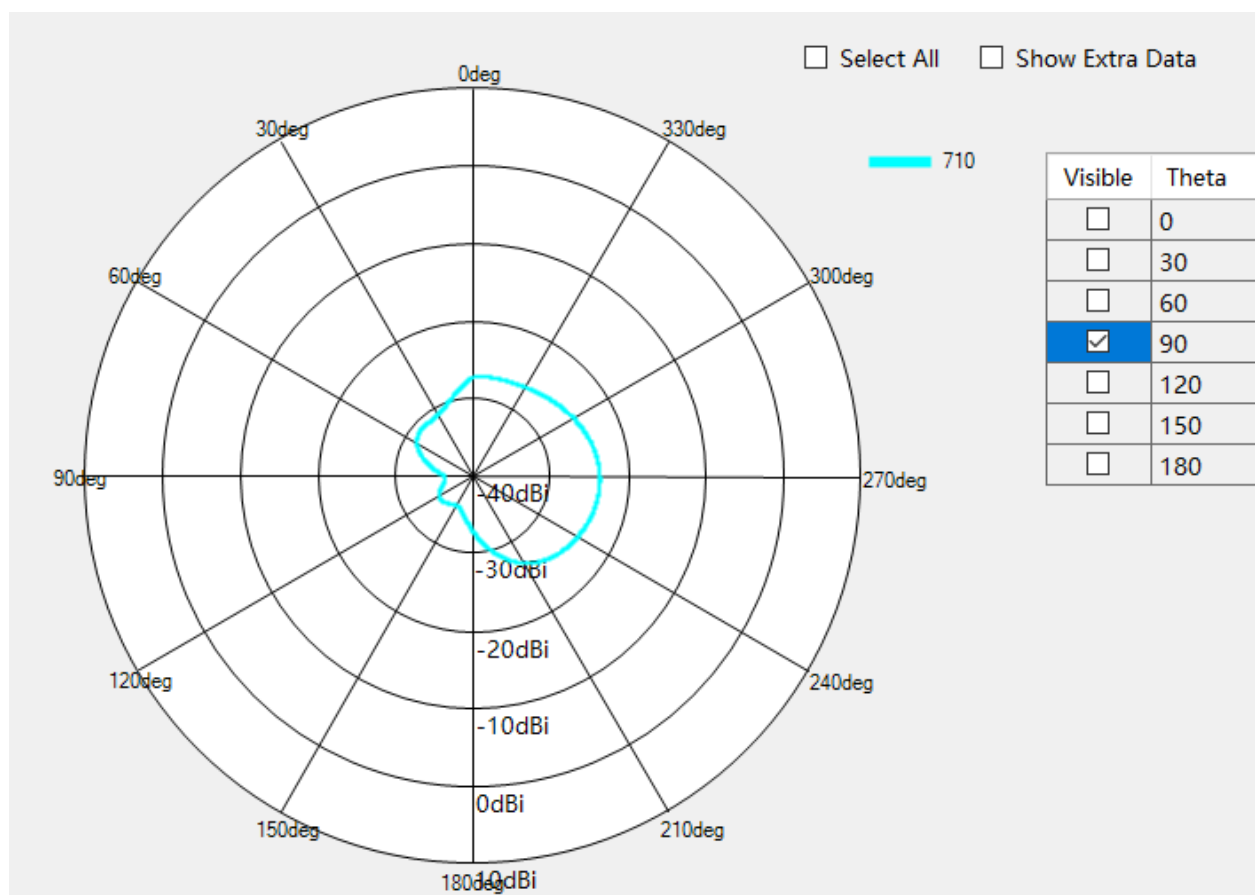
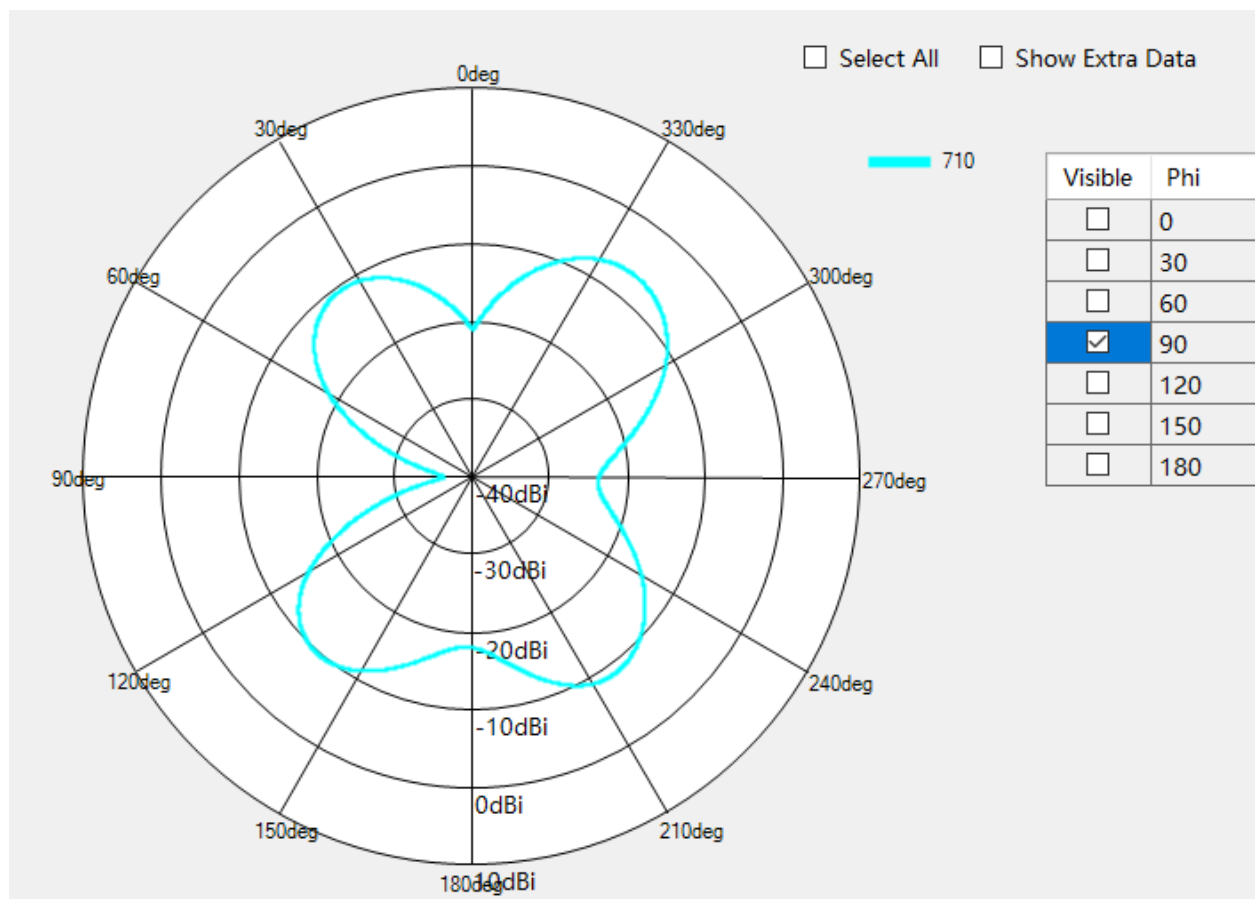




B28/B12/B17

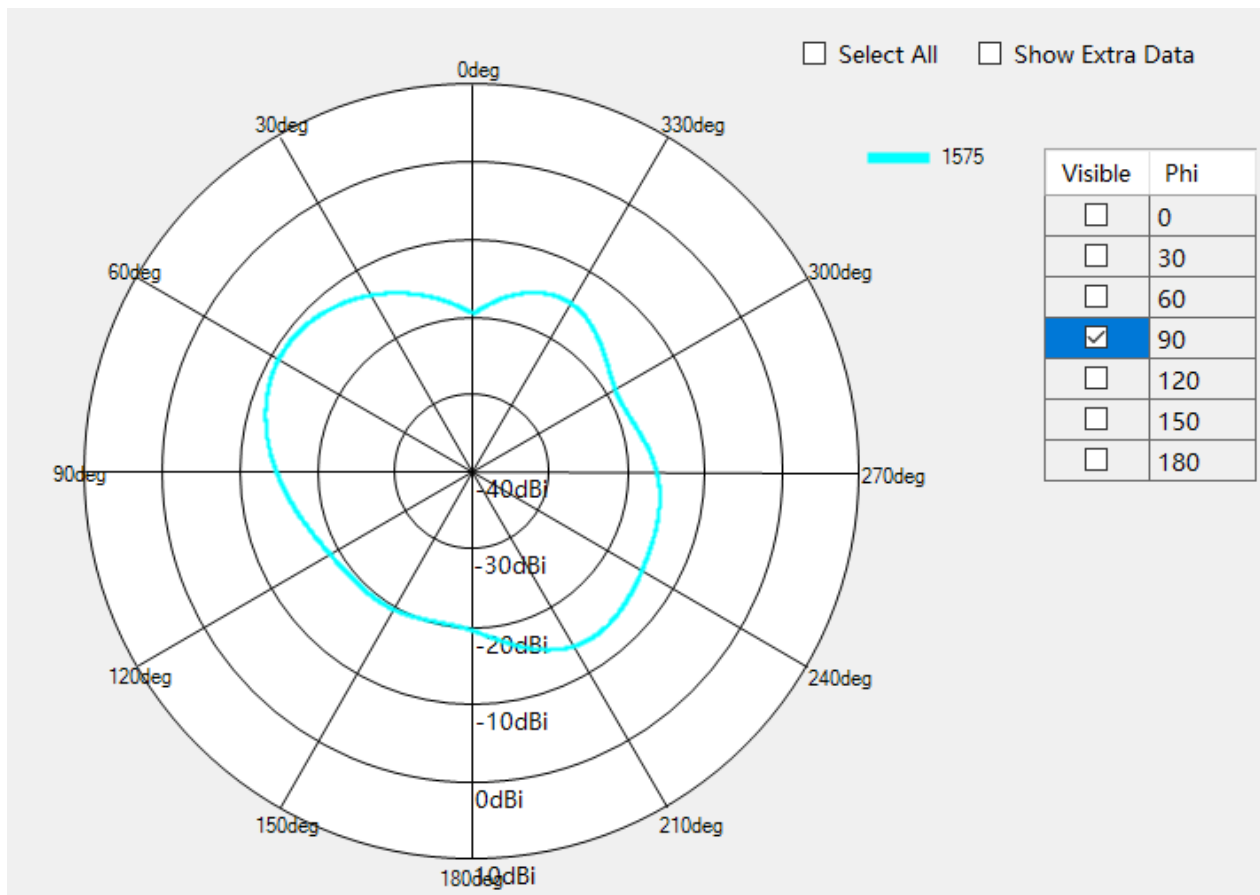
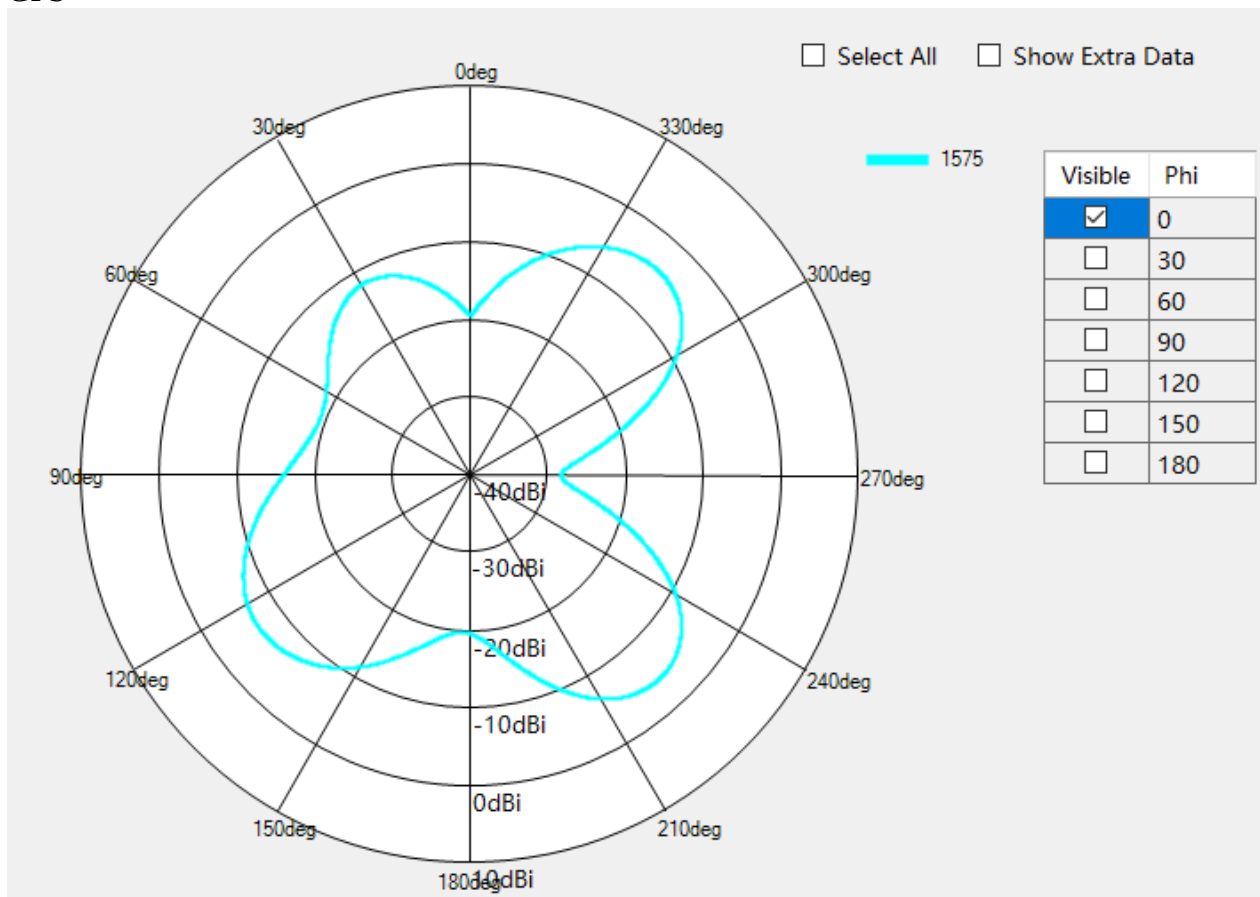


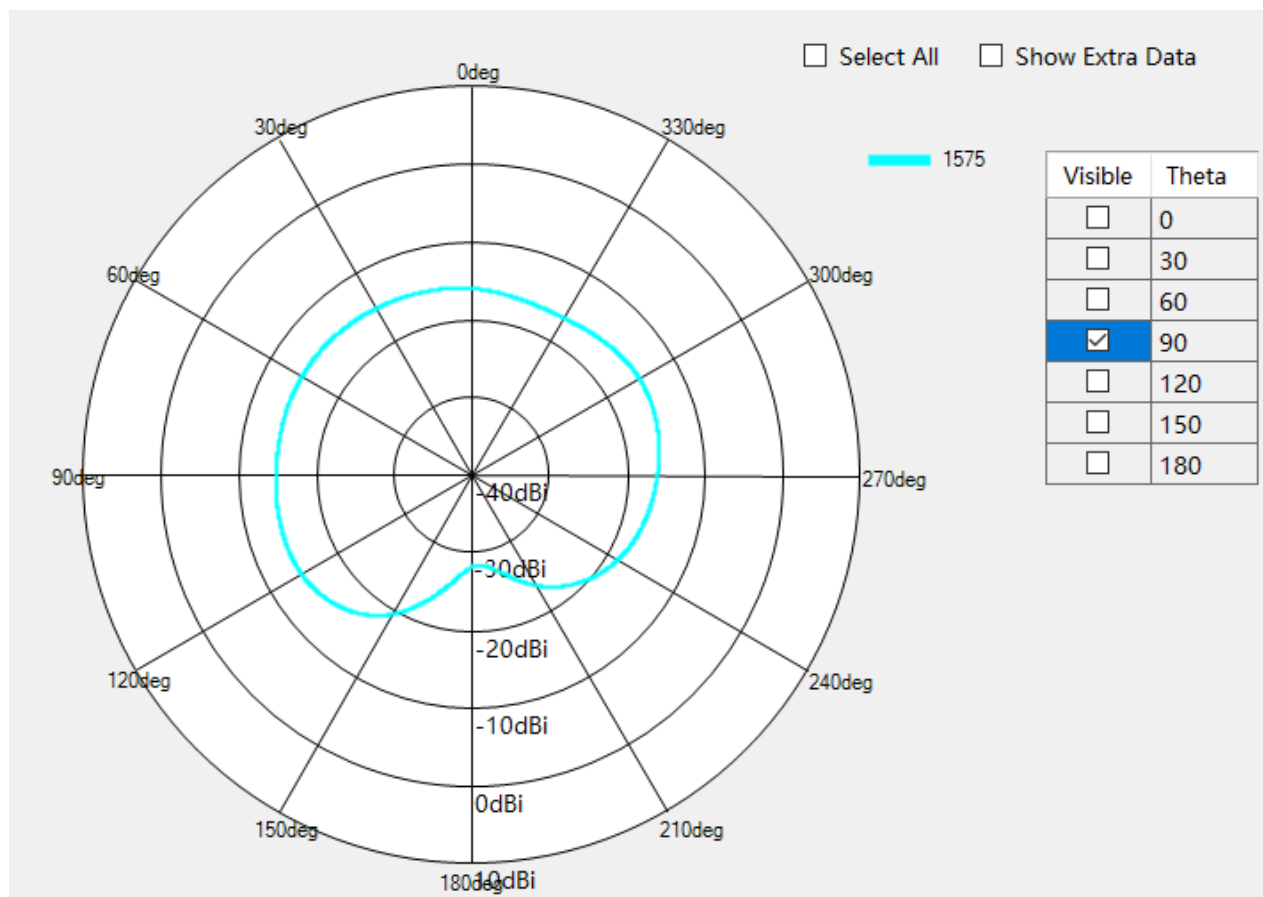




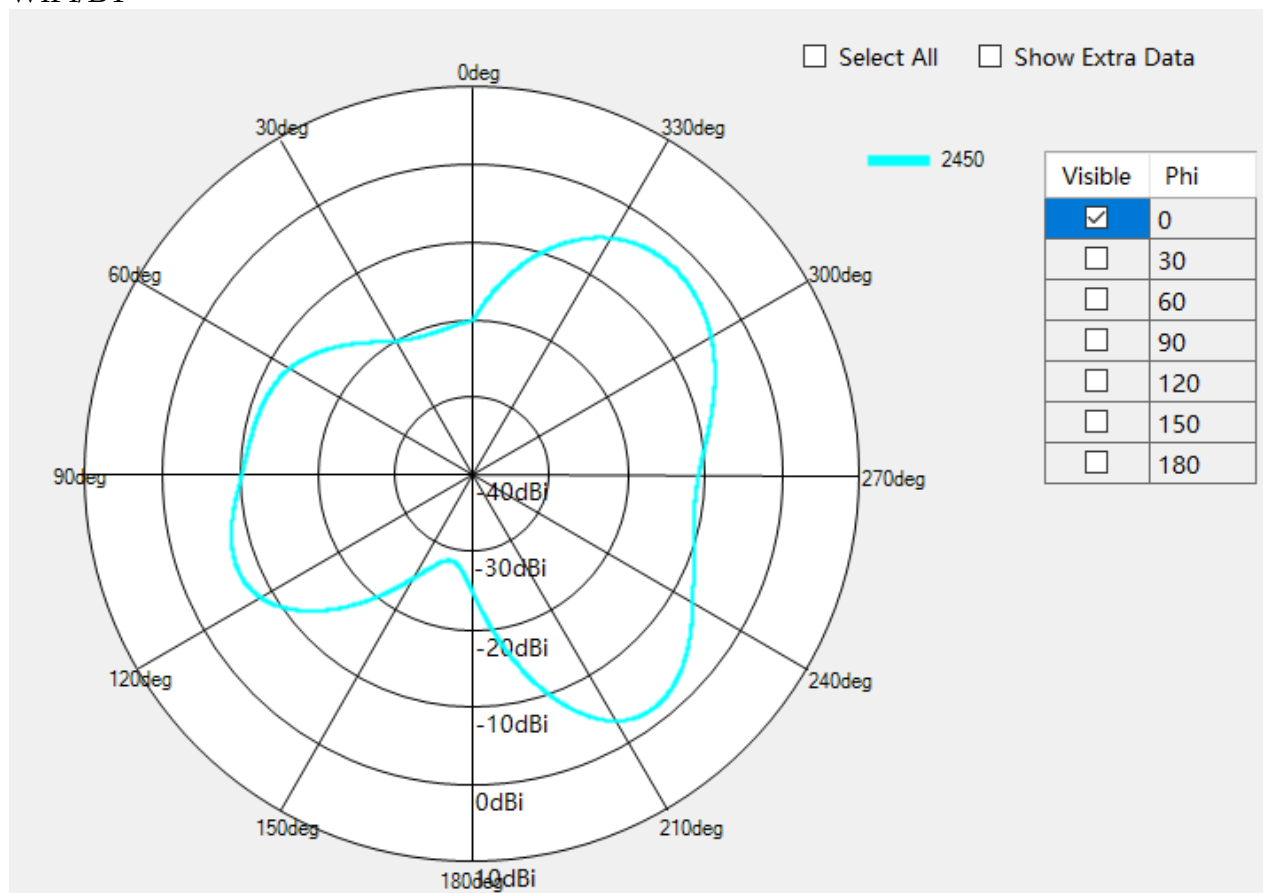
# Three-in-one antenna

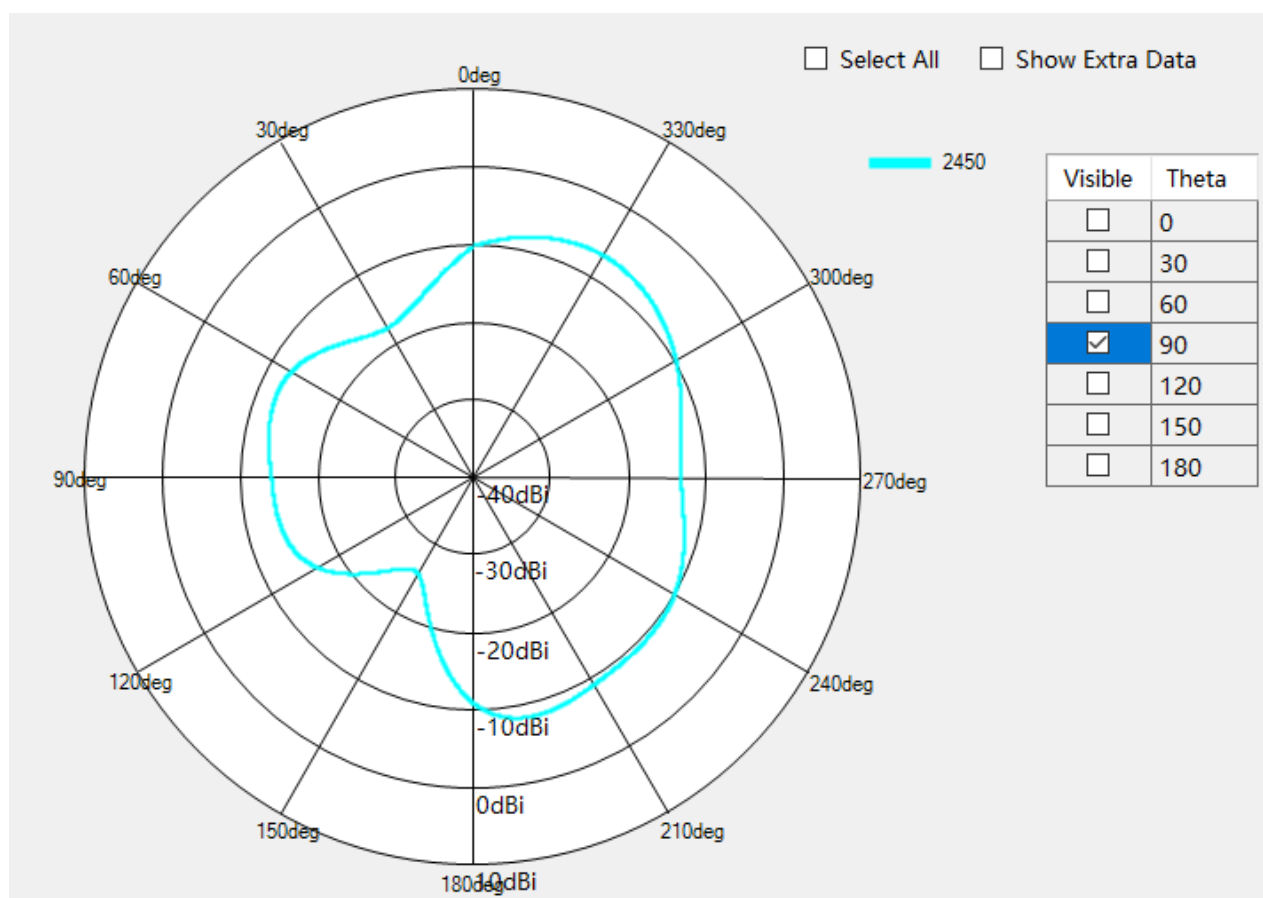
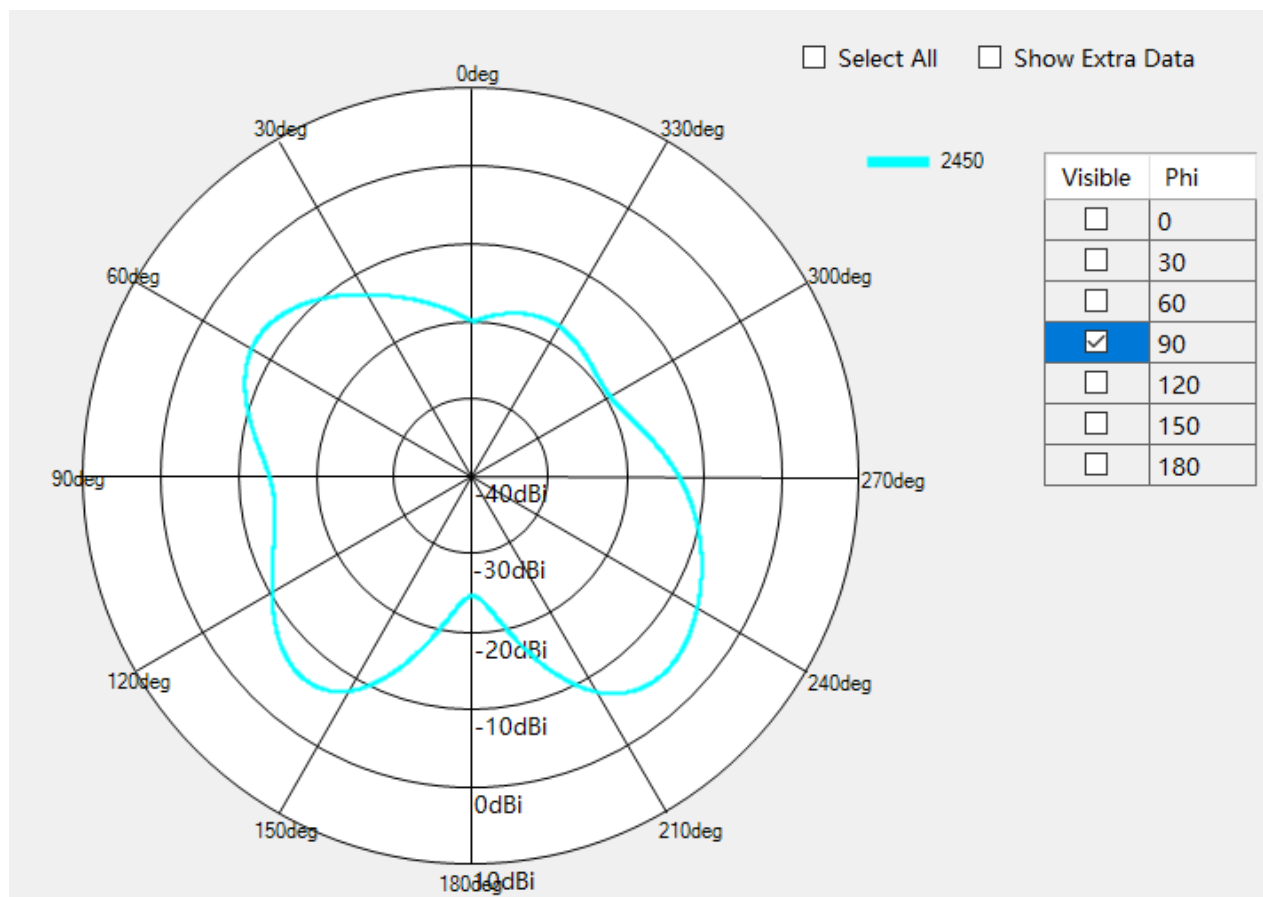
GPS





WIFI/BT





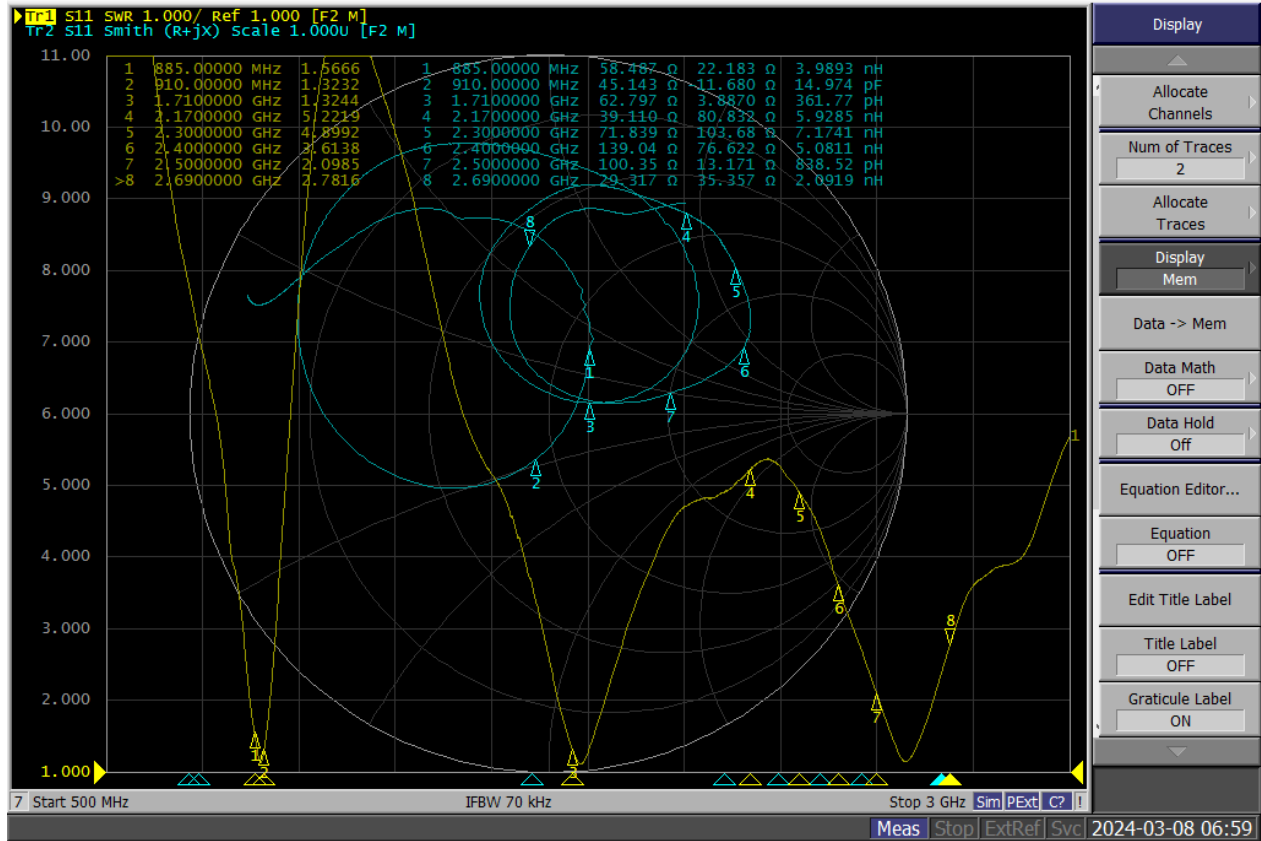
※S11:

## Main Antenna GSM900/G1800/W4/W8/B3/B4/B7/B8/B38/B41/B66

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

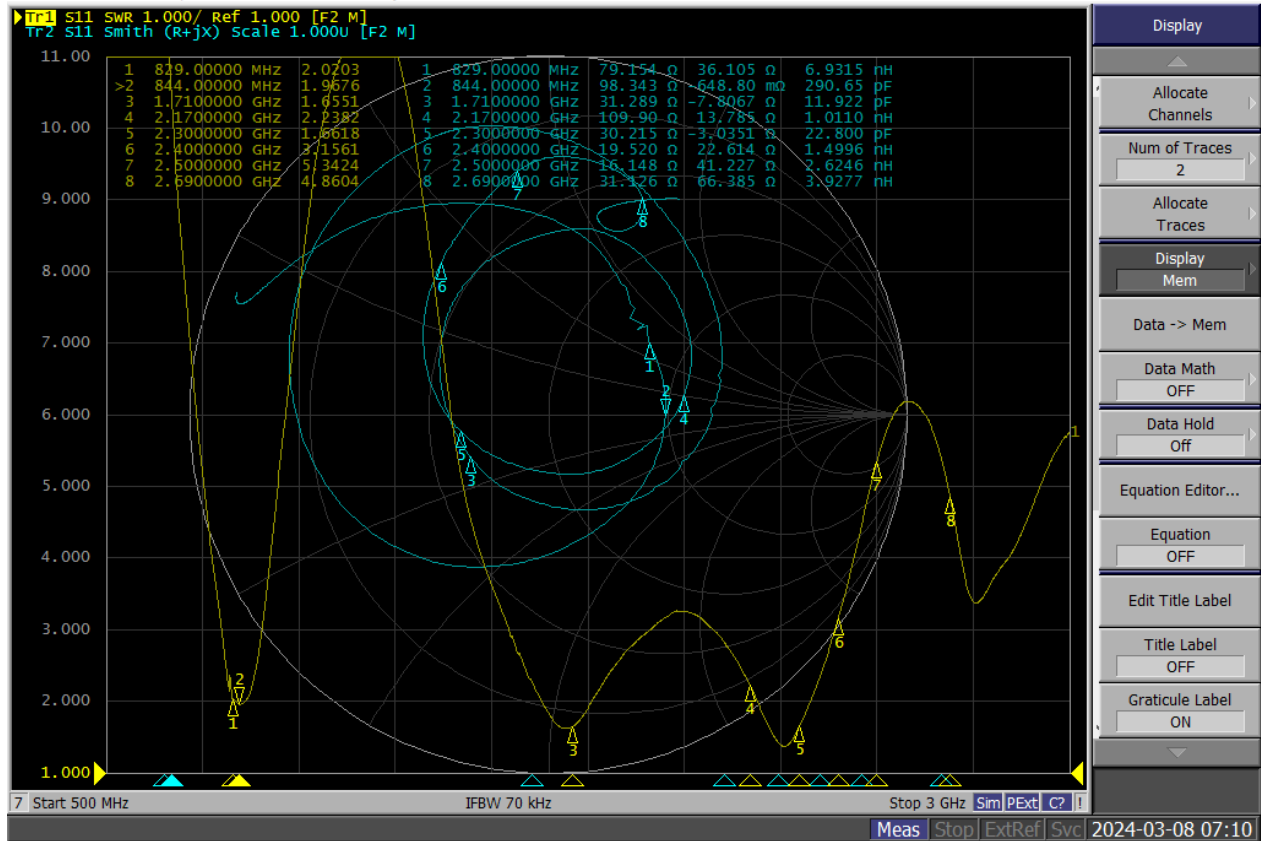


## GSM850/W5/B5/B20/B40

E5071C Network Analyzer

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Resize

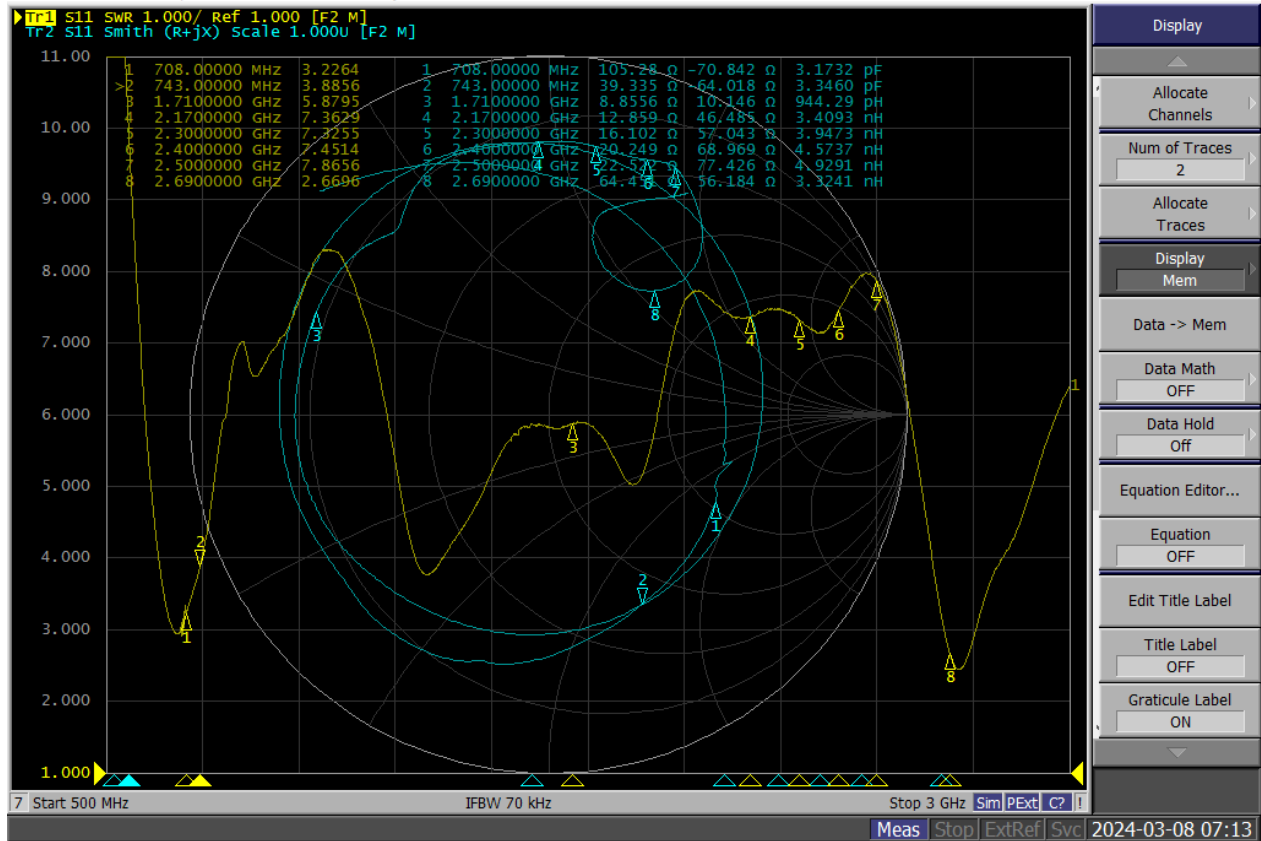


## B12/B17/B28

E5071C Network Analyzer

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Resize

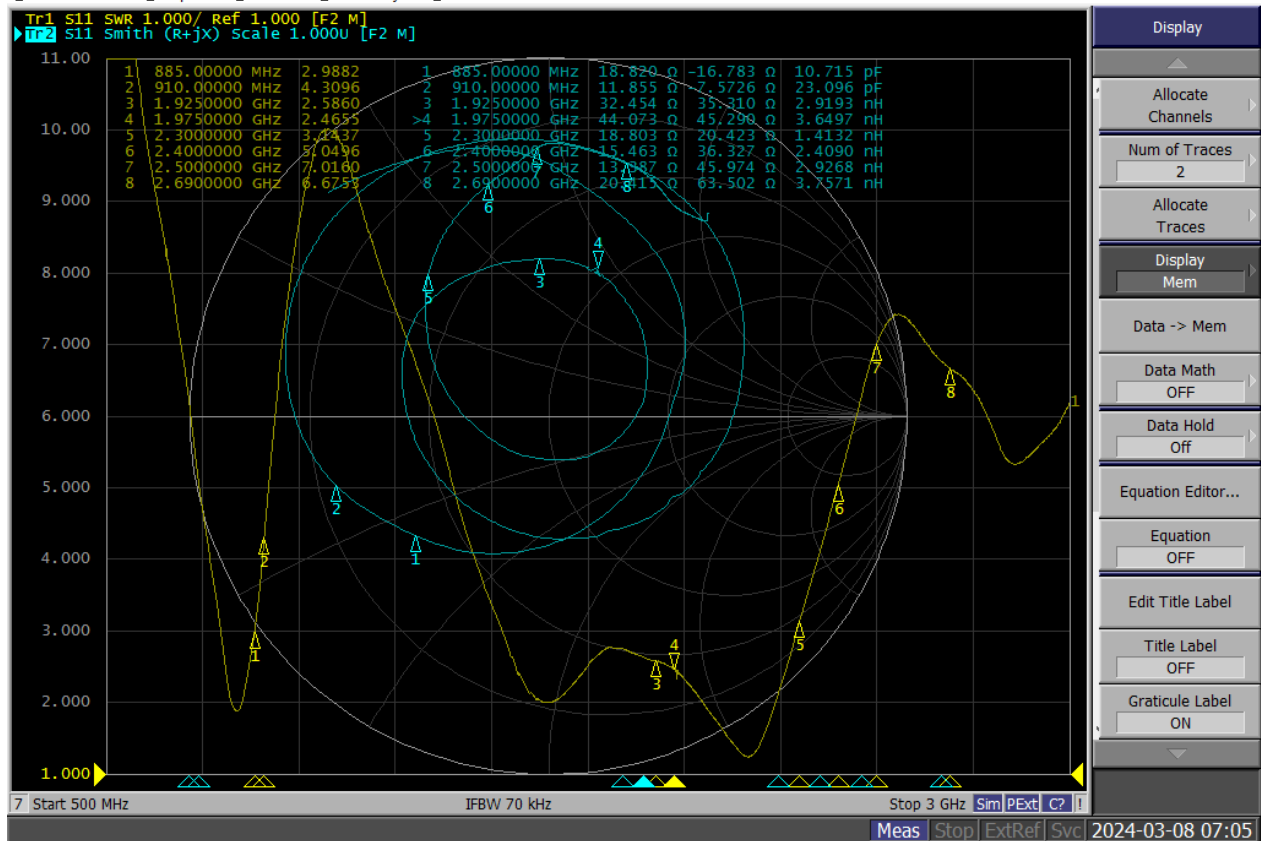


## G1900/W1/W2/B1/B2/B26

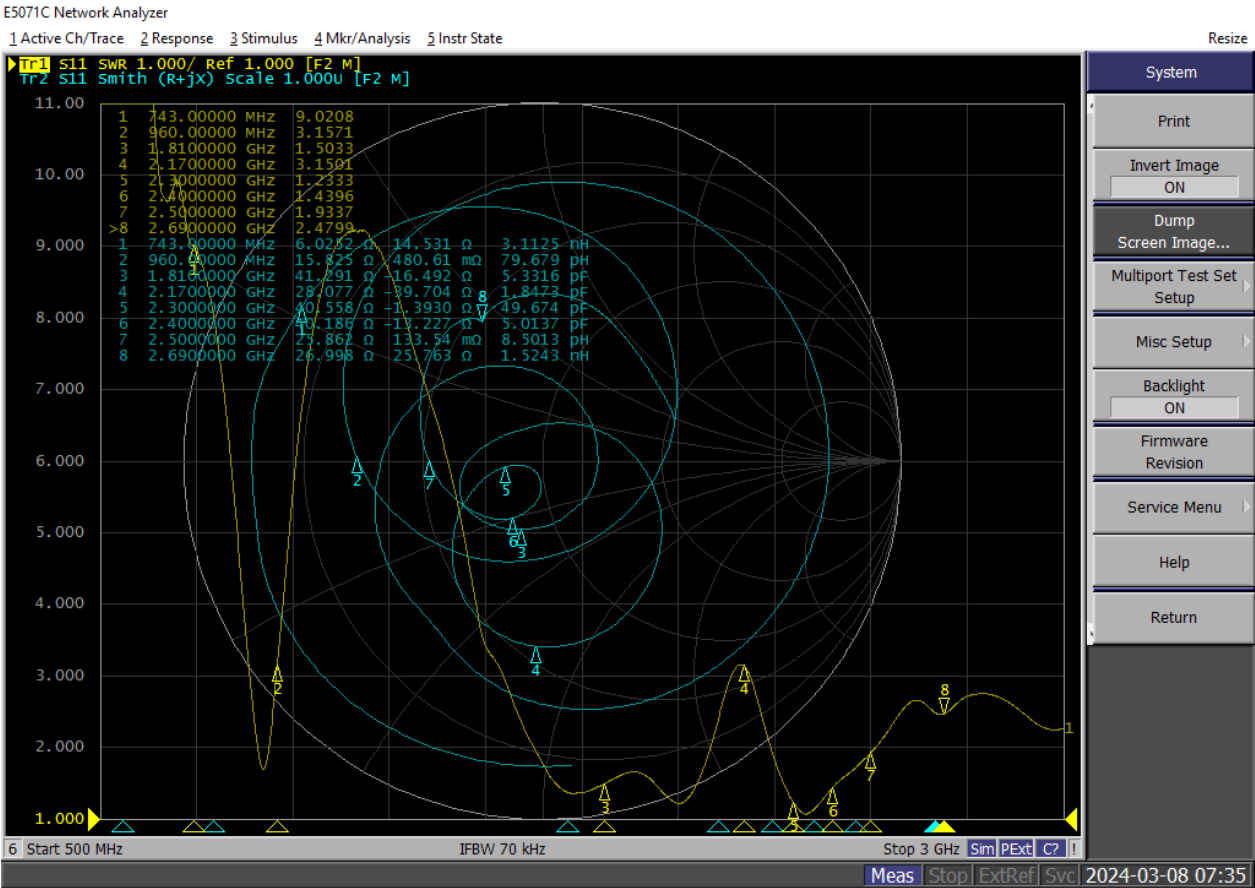
E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize



DIV Antenna



Three-in-one antenna

