

## Feature

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

## Application

※GSM 2G: 850/1900

WCDMA 3G: B2/B4/B5

LTE 4G: B2/B4/B5/B7/B12/B17/B25/B26/B38/B40/B41/B66/B71

NR 5G: N2/N5/N7/N25/N26/N38/N40/N41/N66/N71/N77/N78

GPS/WIFI 2.4G/5G

communication applications

※Antenna manufacturer

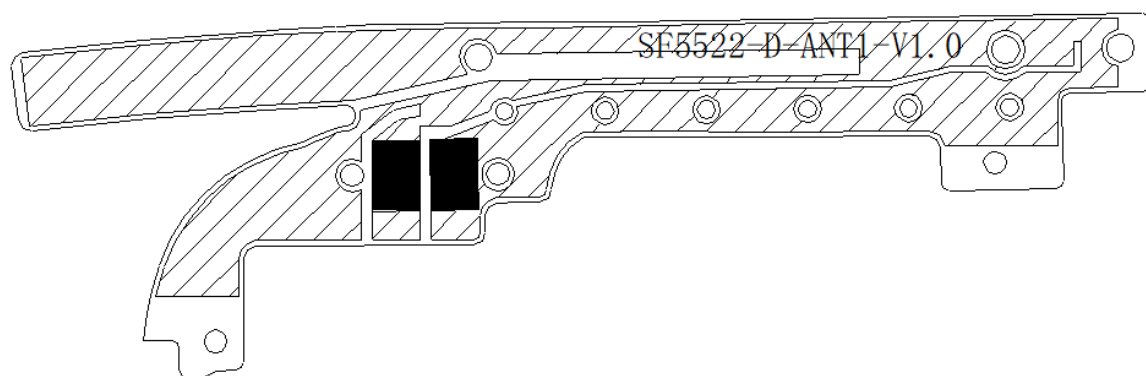
Zhejiang Haitong communications electronic Limited

浙江海通通讯电子股份有限公司

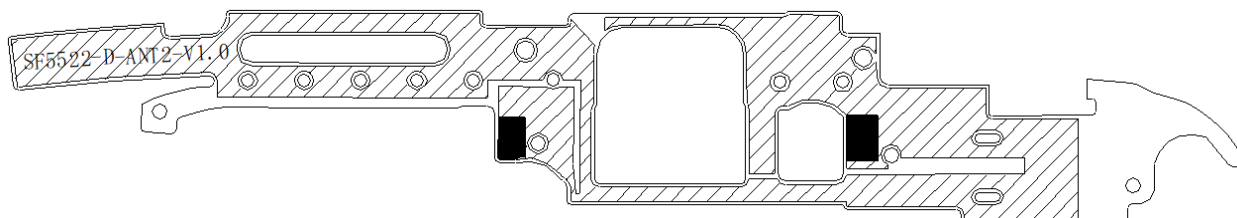
Chongqing R&D Center: Room 304, building 27, Xiantao International Data Valley, Yubei District, Chongqing city

※Antenna type

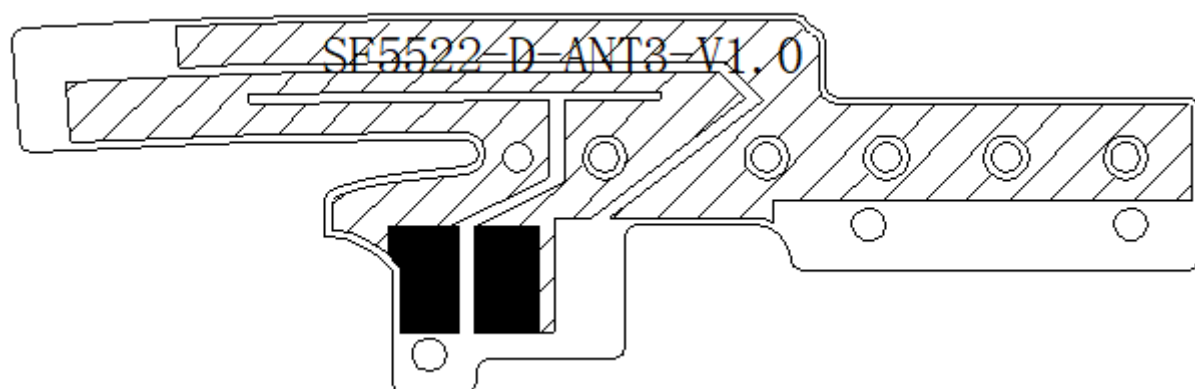
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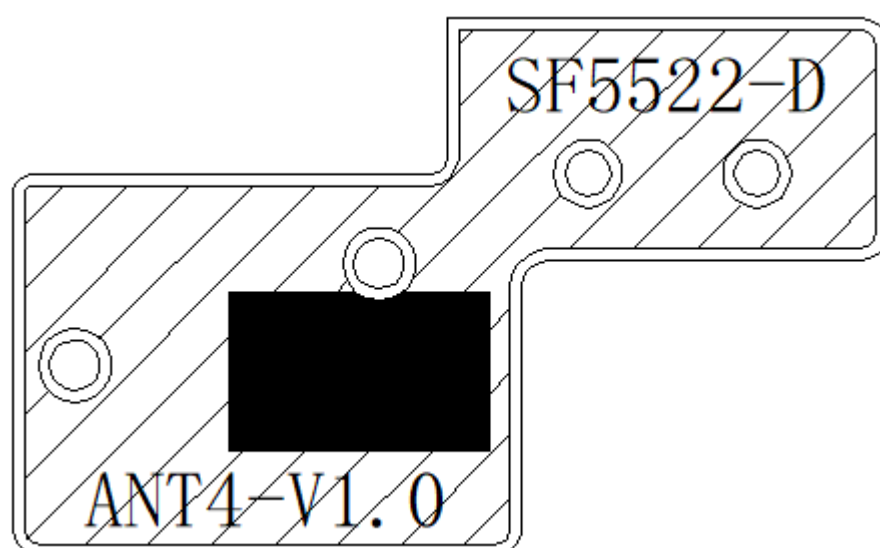
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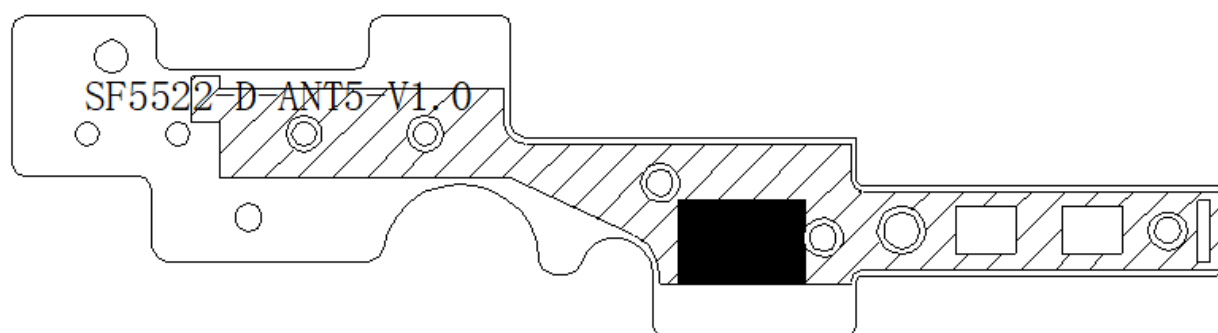
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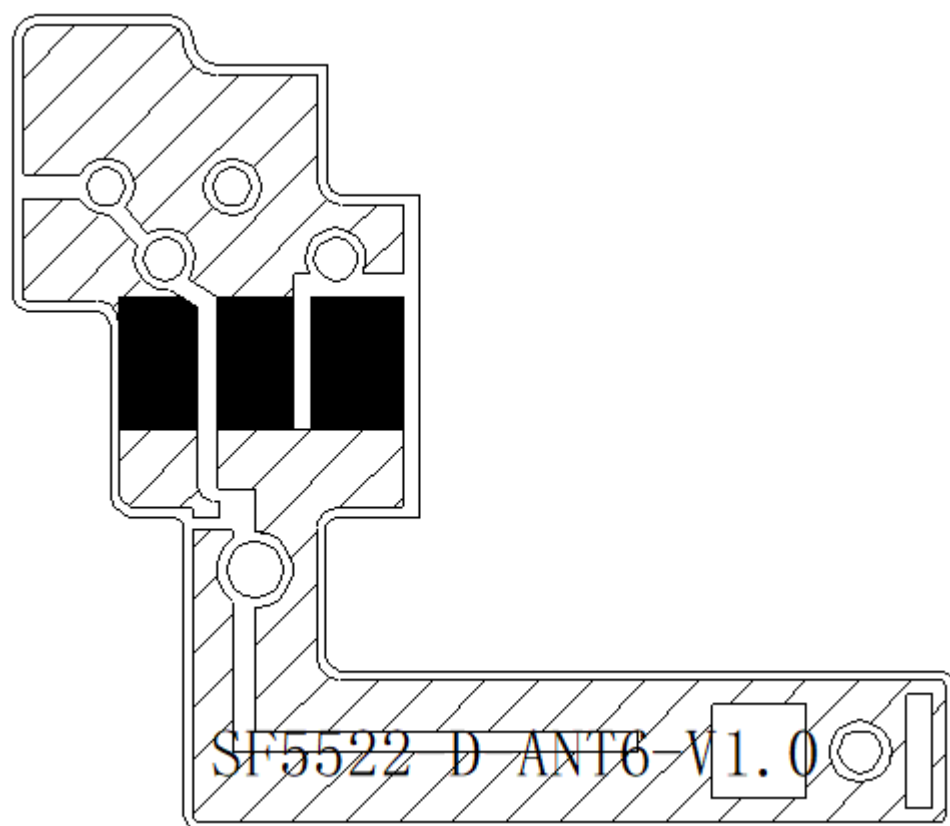
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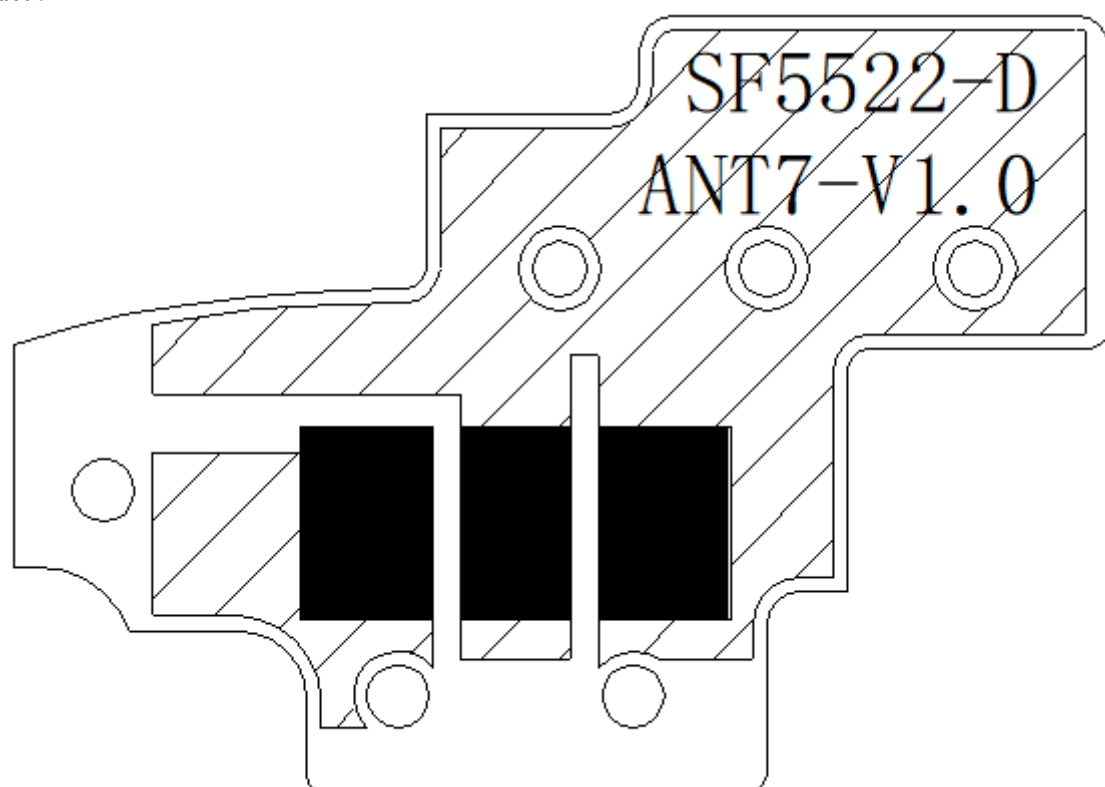
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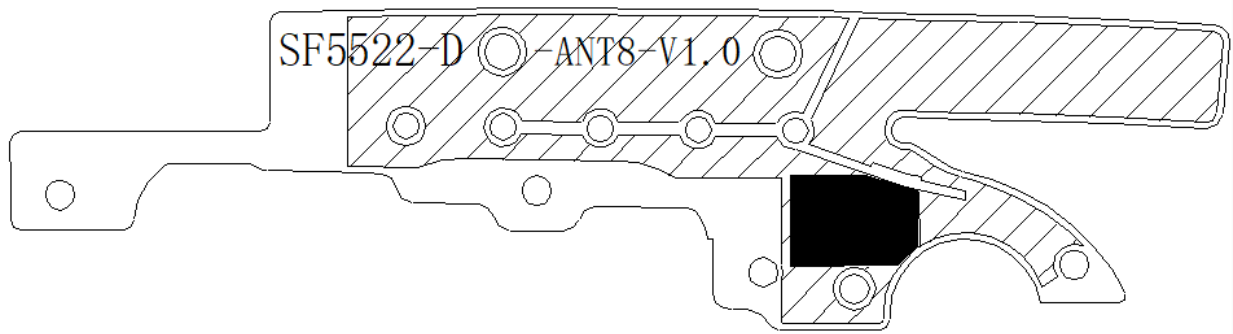


ANT6



ANT7





## Electric Specifications

| TYPE                  | FPC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmitter Frequency | GSM850:824-849MHz (TX)<br>PCS1900:1850-1910MHz (TX)<br>WCDMA B4:1710~1755MHz (TX)<br>WCDMA B5:824-849MHz (TX)<br>WCDMA B8:880-915MHz (TX)<br>LTE B2:1850-1910MHz (TX)<br>LTE B4:1710-1755MHz (TX)<br>LTE B5:824-849MHz (TX)<br>LTE B7:2500-2570MHz (TX)<br>LTE B12:699-716MHz (TX)<br>LTE B17:704-716MHz (TX)<br>LTE B25:1850-1915MHz (TX)<br>LTE B26:814-849MHz (TX)<br>LTE B38:2570-2620MHz (TX)<br>LTE B40:2300-2400MHz (TX)<br>LTE B41:2496-2690MHz (TX)<br>LTE B66:1710-1780MHz (TX)<br>LTE B71: 663-698MHz (TX)<br>NR N2:1850-1910MHz (TX)<br>NR N5:824-849MHz (TX)<br>NR N7:2500-2570MHz (TX)<br>NR N25:1850-1915MHz (TX)<br>NR N26:814-849MHz (TX)<br>NR N38:2570-2620 MHz (TX)<br>NR N40:2300-2400 MHz (TX)<br>NR N41:2496-2690 MHz (TX)<br>NR N66:1710-1780 MHz (TX)<br>NR N71:663-698 MHz (TX)<br>NR N77:3550-4150MHz (TX)<br>NR N78:3550-3750MHz (TX)<br>WIFI2.4G:2412 -2472 MHz<br>WIFI5G:5150-5850MHz |

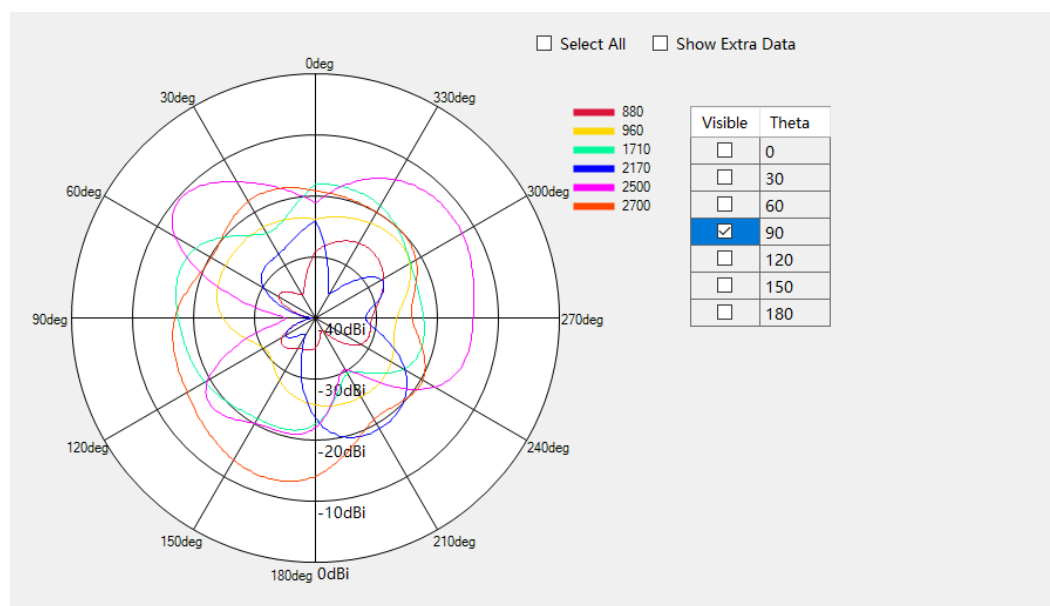
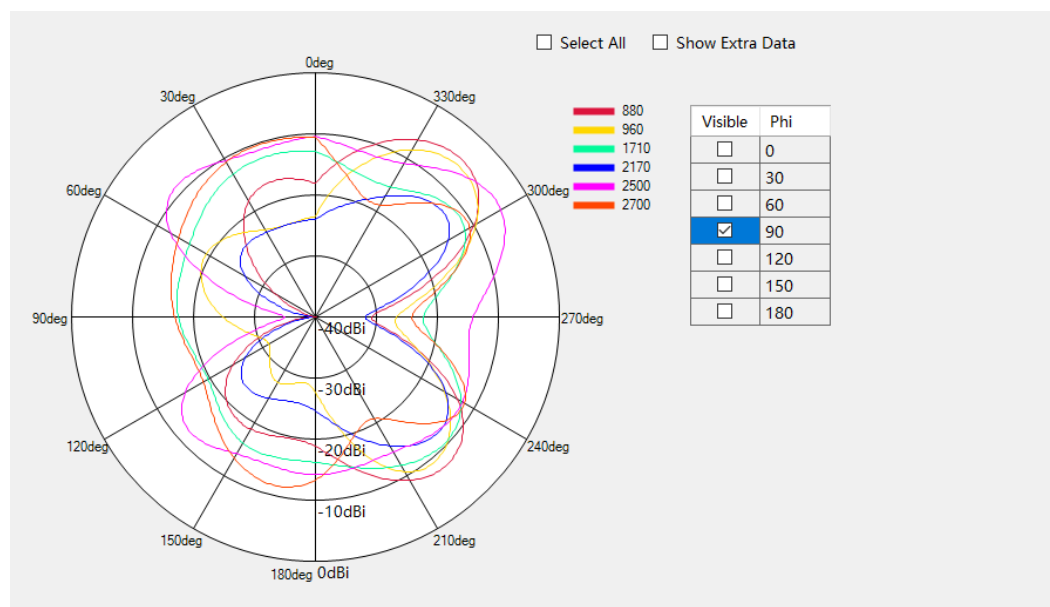
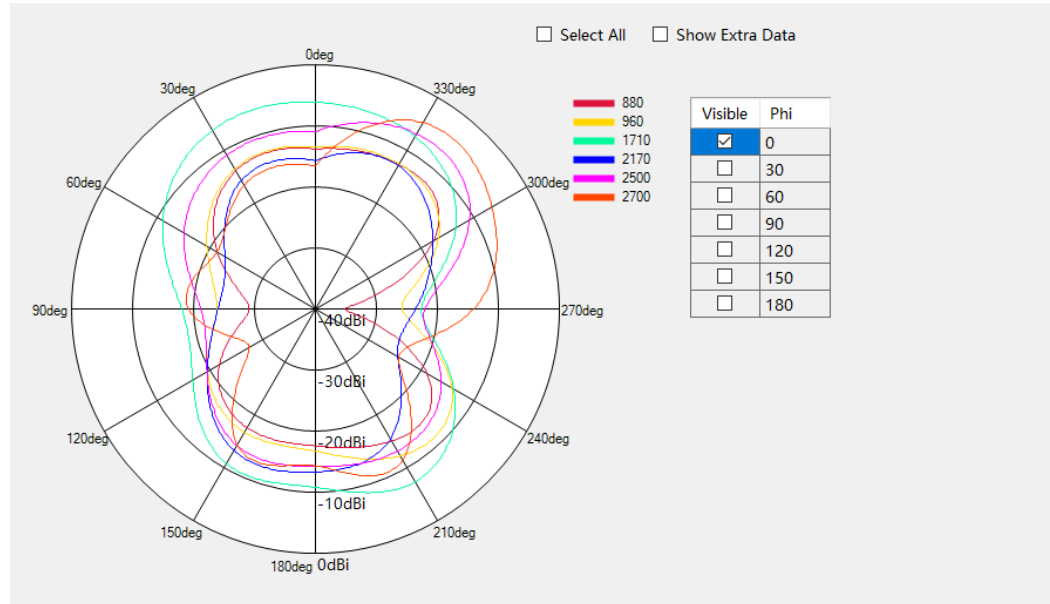
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | Bluetooth:2408 - 2480 MHz<br>GPS:1575.42MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Receiver Frequency | GSM850:869-894MHz (RX)<br>PCS1900:1930-1990MHz (RX)<br>WCDMA B2:1930-1990MHz (RX)<br>WCDMA B4:2110-2155MHz (RX)<br>WCDMA B5:869-894MHz (RX)<br>LTE B2:1930-1990MHz (RX)<br>LTE B4:2110-2155MHz (RX)<br>LTE B5:869-894MHz (RX)<br>LTE B7:2620-2690MHz (RX)<br>LTE B12:729-746MHz (RX)<br>LTE B17:734-746MHz (RX)<br>LTE B25:1930-1995MHz (RX)<br>LTE B26:859-894MHz (RX)<br>LTE B38:2570-2620MHz (RX)<br>LTE B40:2300-2400MHz (RX)<br>LTE B41:2496-2690MHz (RX)<br>LTE B66:2110-2200MHz (RX)<br>LTE B71:617-652MHz (RX)<br>NR N2:1930-1990MHz (RX)<br>NR N5:869-894MHz (RX)<br>NR N7:2620-2690MHz (RX)<br>NR N25:1930-1995MHz (RX)<br>NR N26:859-89 MHz (RX)<br>NR N38:2570-2620MHz (RX)<br>NR N40:2300-2400MHz (RX)<br>NR N41:2496-2690MHz (RX)<br>NR N66:2110-2200MHz (RX)<br>NR N71:617-652MHz (RX)<br>NR N77:3550-4150MHz (RX)<br>NR N78:3550-3750MHz (RX)<br>WIFI2.4G:2412 -2472 MHz<br>WIFI5G:5150-5850MHz<br>Bluetooth:2408 - 2480 MHz<br>GPS:1575.42MHz |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Gain       | GSM 850: -5.47dBi<br>PCS 1900: -2.46dBi<br>WCDMA B2: -2.46dBi<br>WCDMA B4: -2.02dBi<br>WCDMA B5: -5.47dBi<br>LTE B2: -2.46dBi<br>LTE B4: -2.02dBi<br>LTE B5: -5.47dBi<br>LTE B7: -1.81dBi<br>LTE B12: -5.80dBi<br>LTE B17: -5.80dBi<br>LTE B25: -2.46dBi<br>LTE B26: -5.47dBi<br>LTE B38: -1.81dBi<br>LTE B40: -1.60dBi<br>LTE B41: -1.81dBi<br>LTE B66: -2.02dBi<br>LTE B71: -6.31dBi<br>NR N2: -2.46dBi<br>NR N5: -5.47dBi<br>NR N7: -1.81dBi<br>NR N25: -2.46dBi<br>NR N26: -5.47dBi<br>NR N38: -1.81dBi<br>NR N40: -1.60dBi<br>NR N41: -1.81dBi<br>NR N66: -2.02dBi<br>NR N71: -6.31dBi<br>NR N77: -4.88dBi<br>NR N78: -4.88dBi<br>WIFI2.4G:-1.63dBi /WIFI5G: 0.62dBi<br>Bluetooth: -1.63dBi<br>GPS:-0.91dBi |
| Type of Modulation | GMSK/8PSK/QPSK/16QAM/64QAM/GFSK, $\pi/4$ -DQPSK,8DPSK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

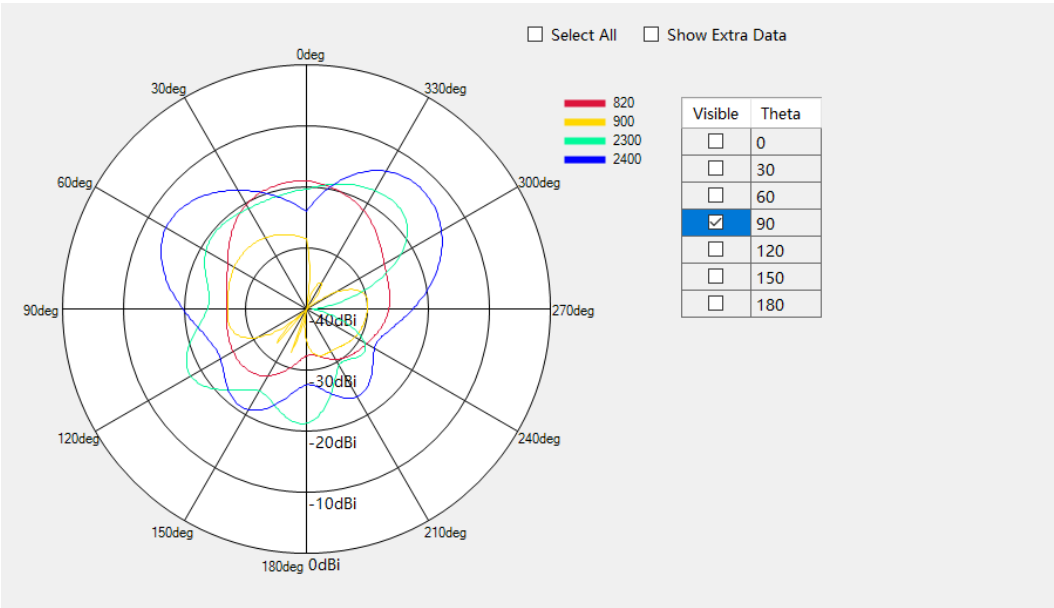
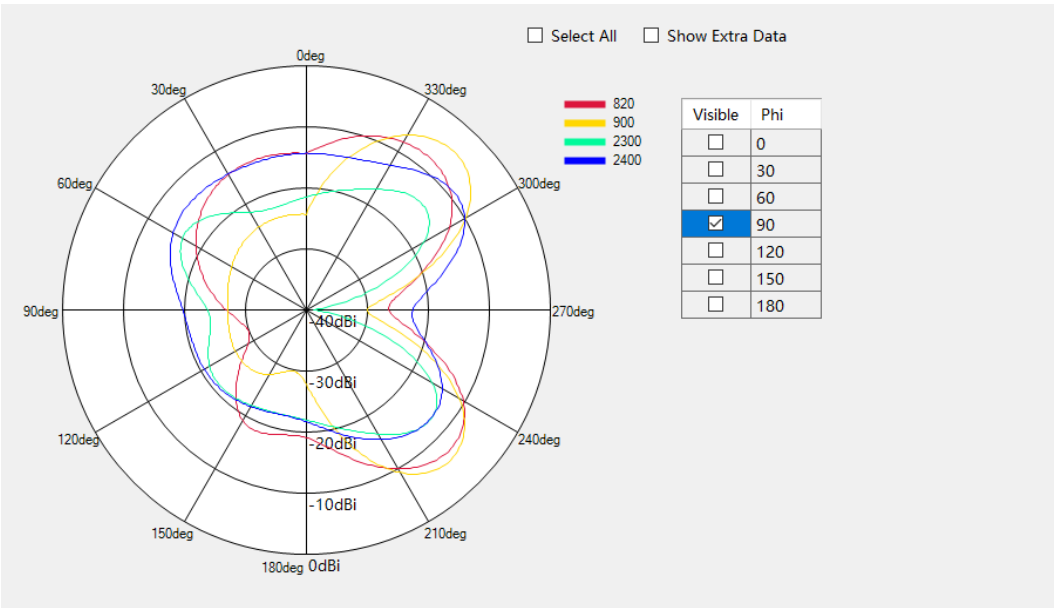
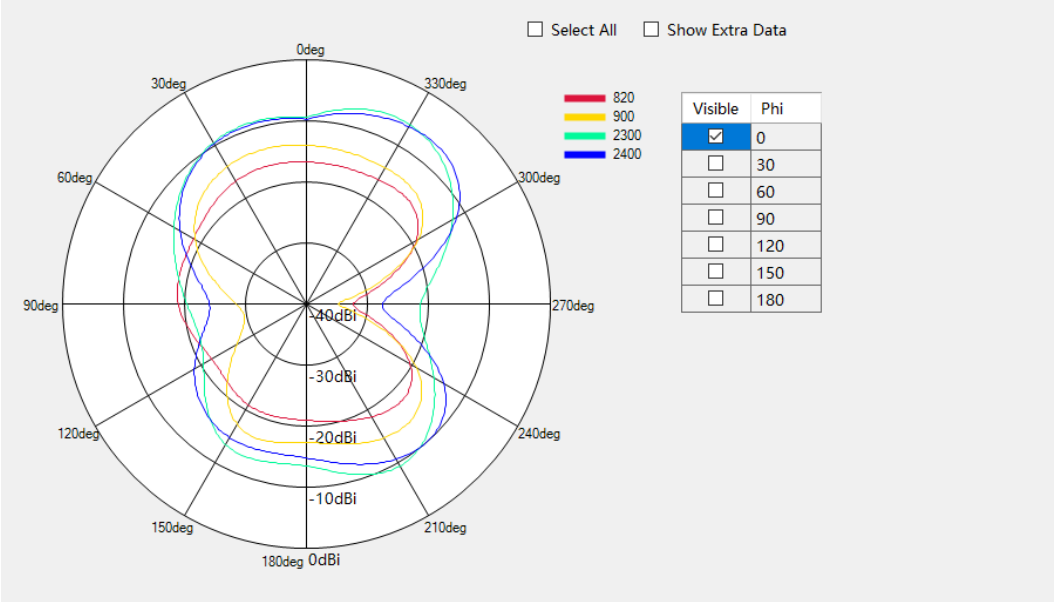
## ※ Antenna Gain

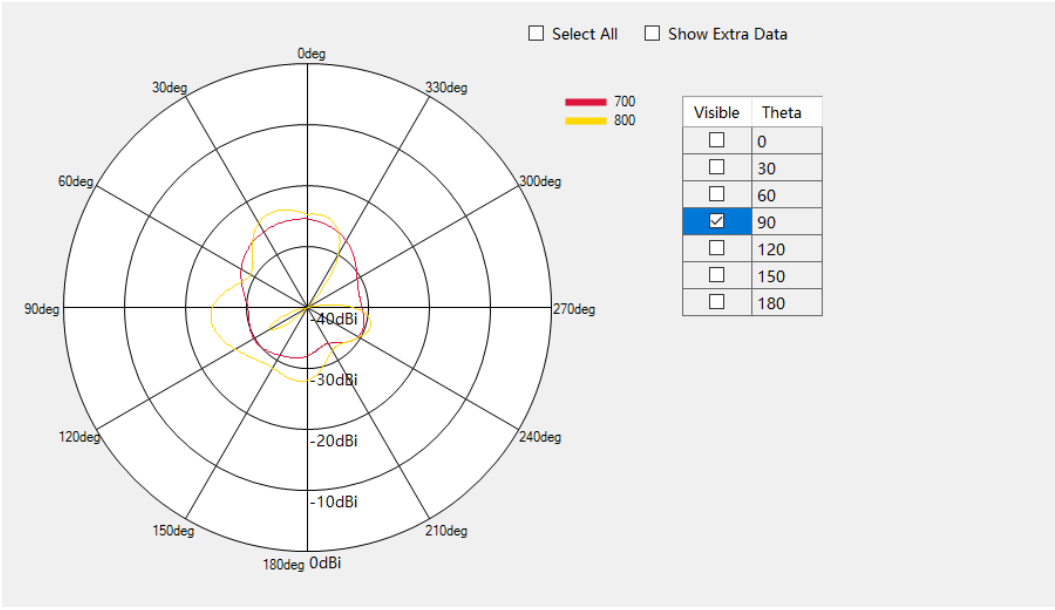
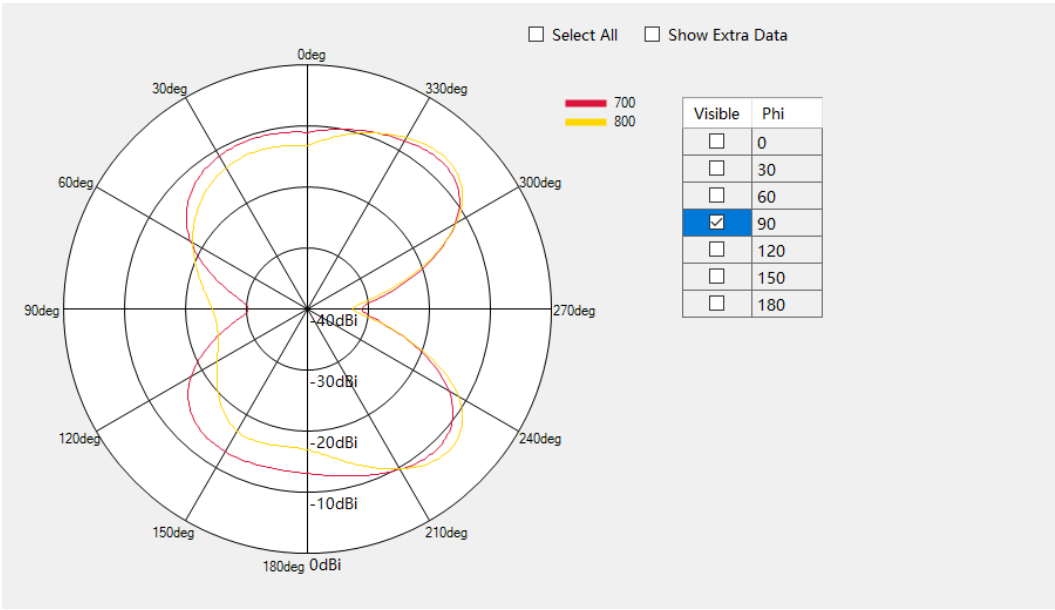
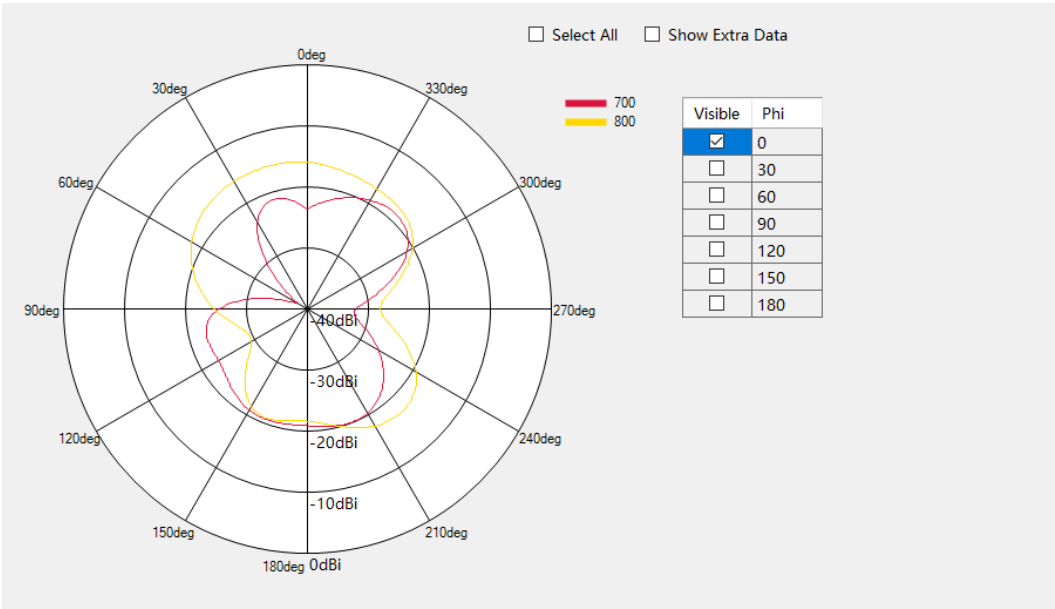
### Main Antenna

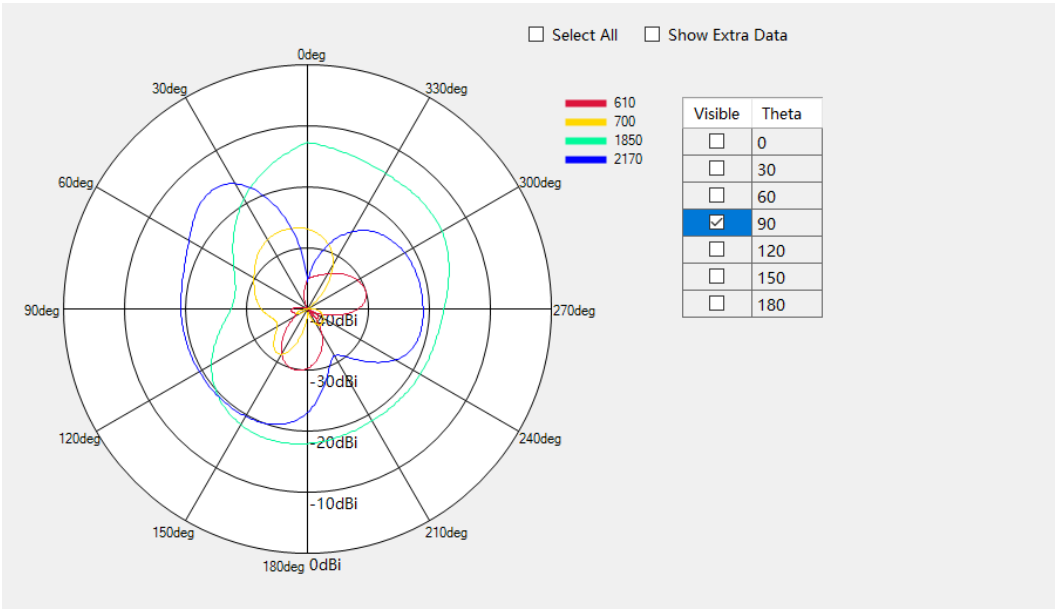
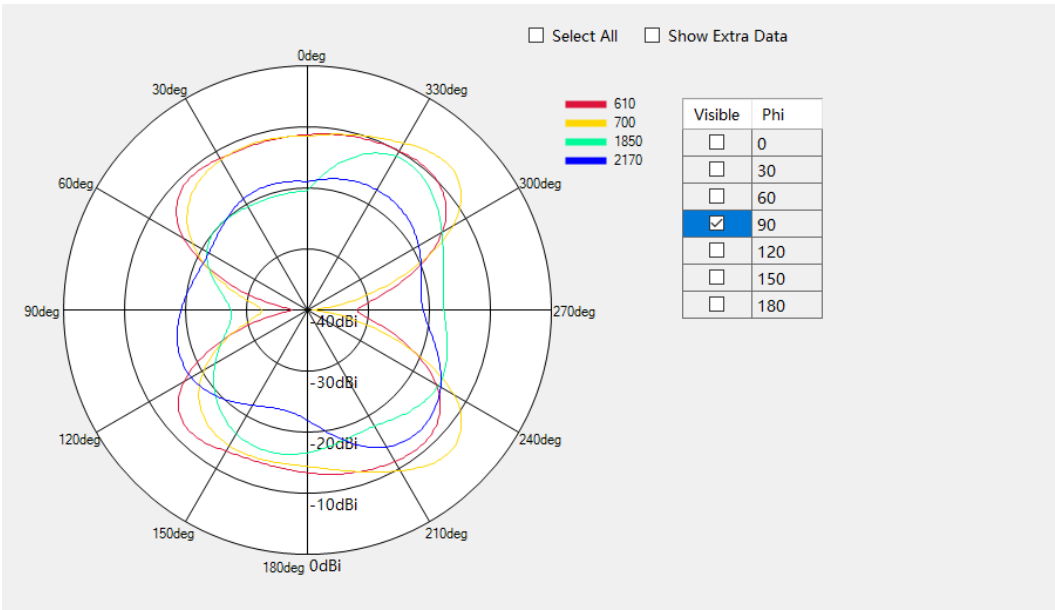
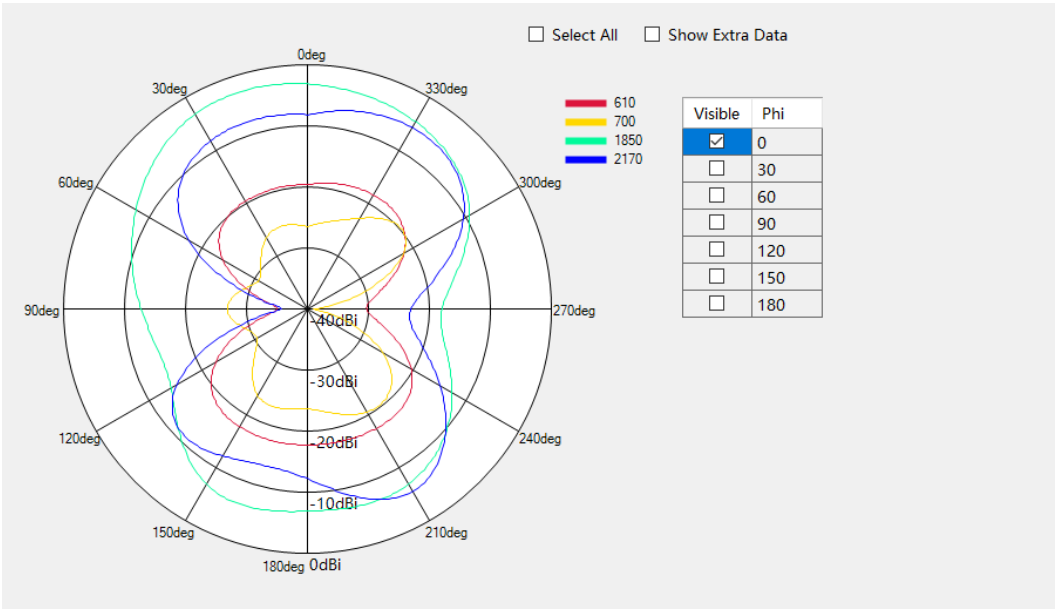
GSM900/DCS1800/W4/W8/LTE B3/B4/B7/B8/B38/B41/B66/N3/N7/N38/N41/N66



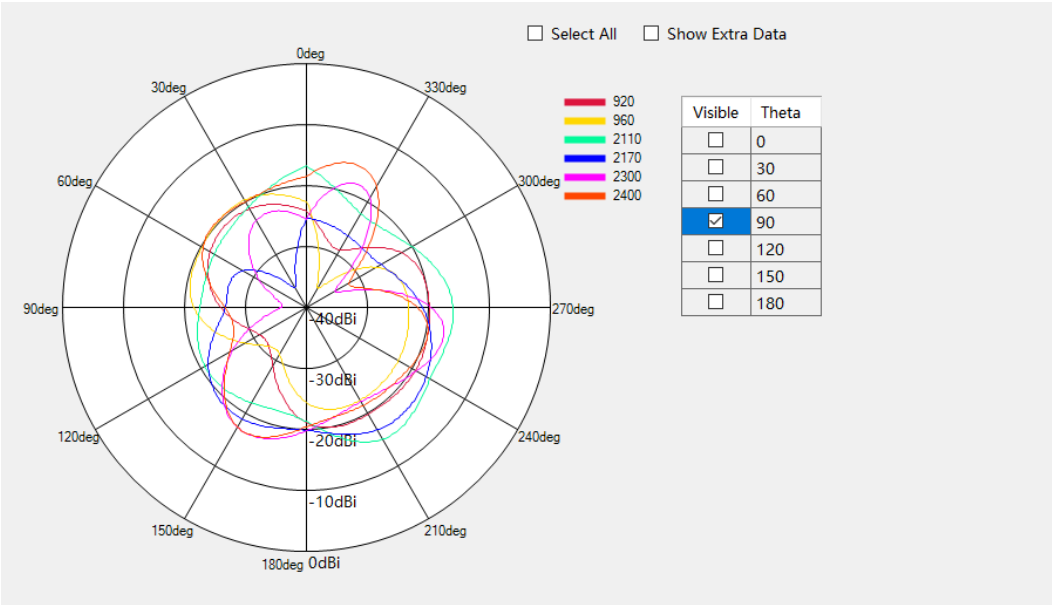
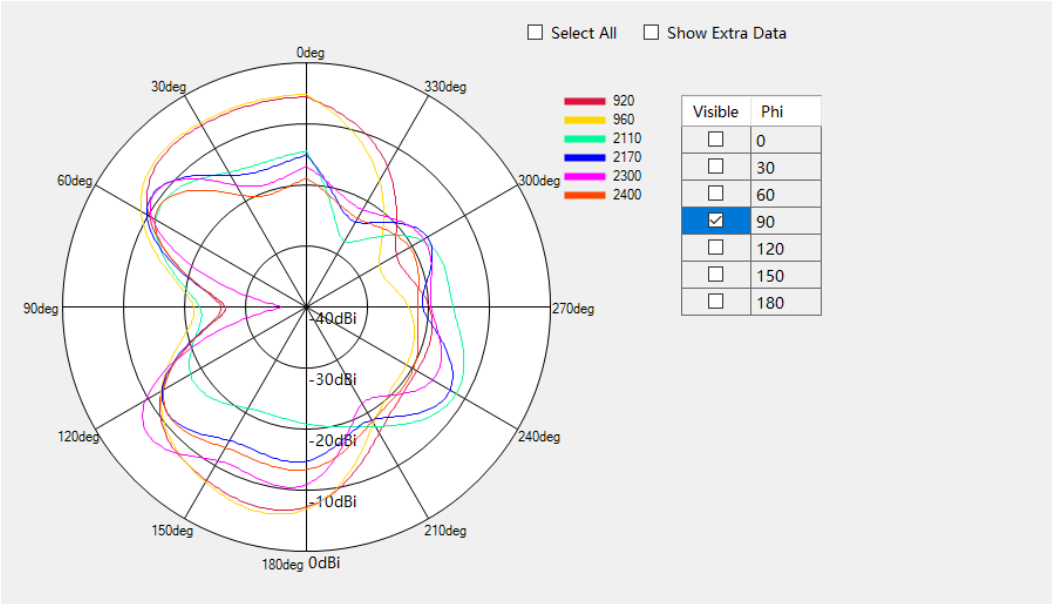
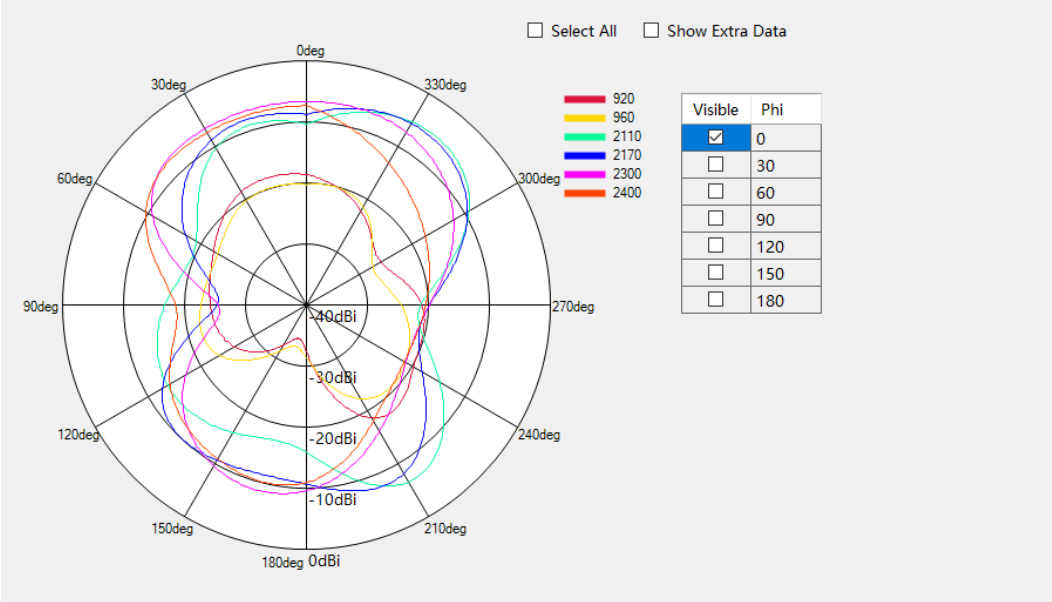
GSM850/W5/LTE B5/B26/B40/N5/N26/N40

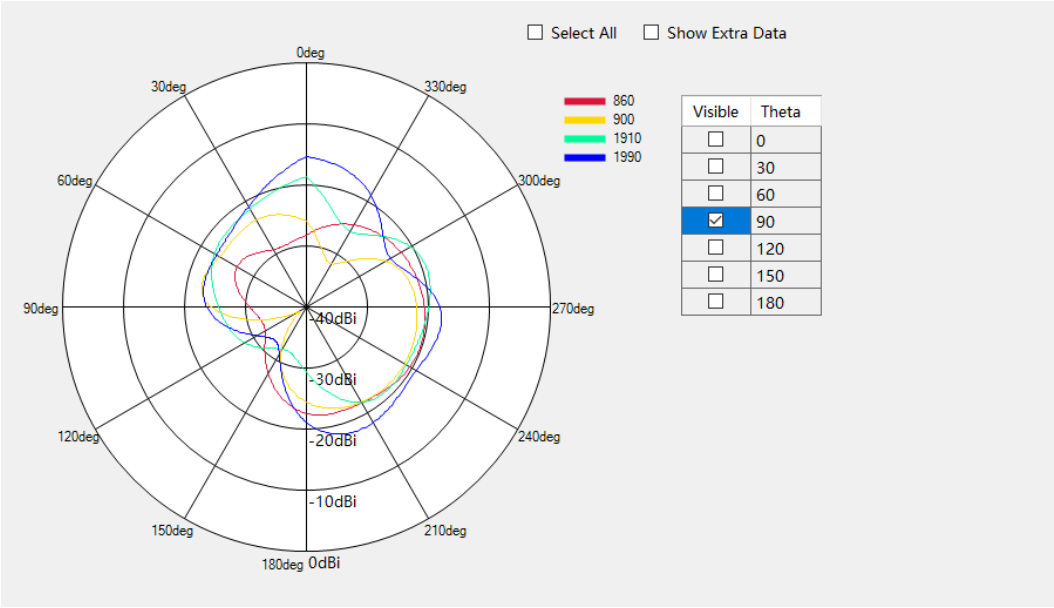
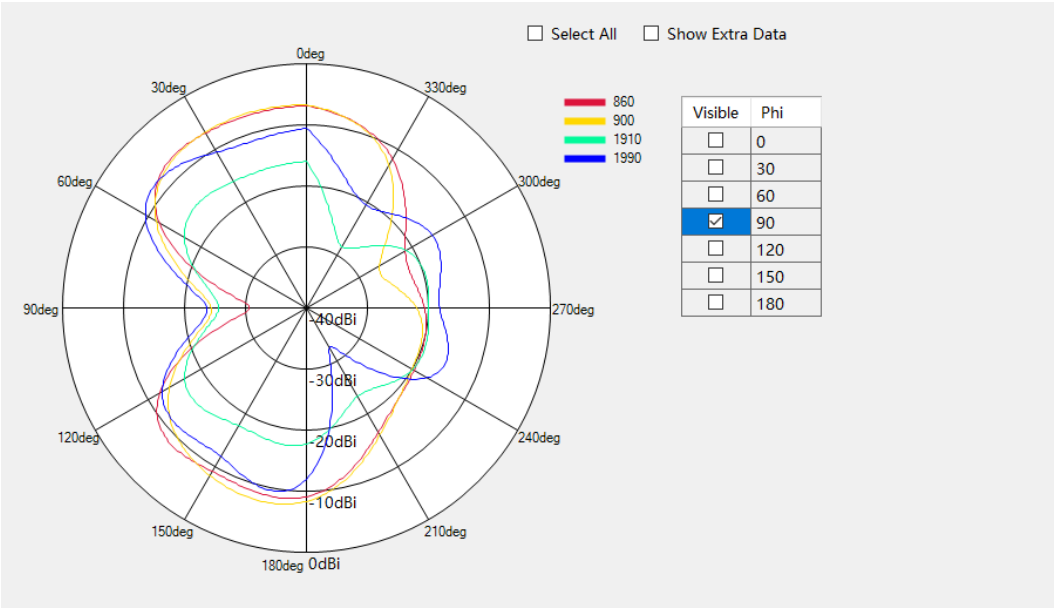
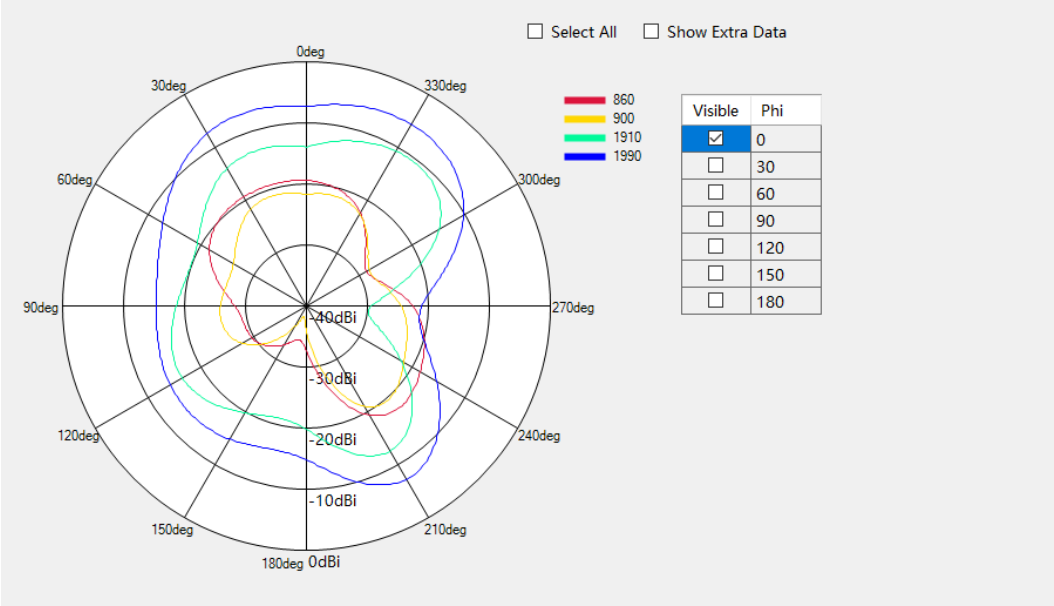


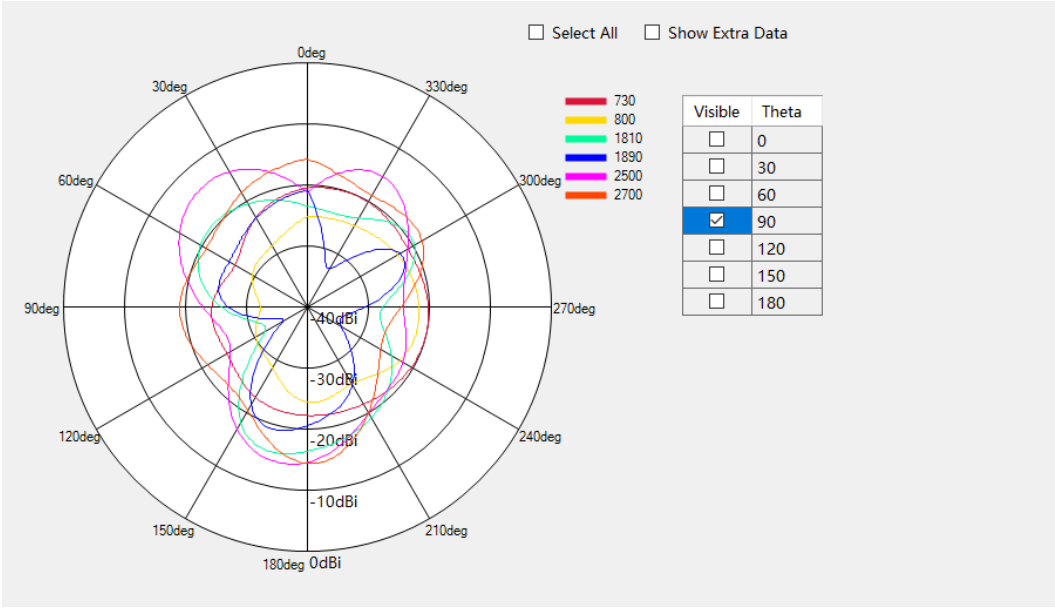
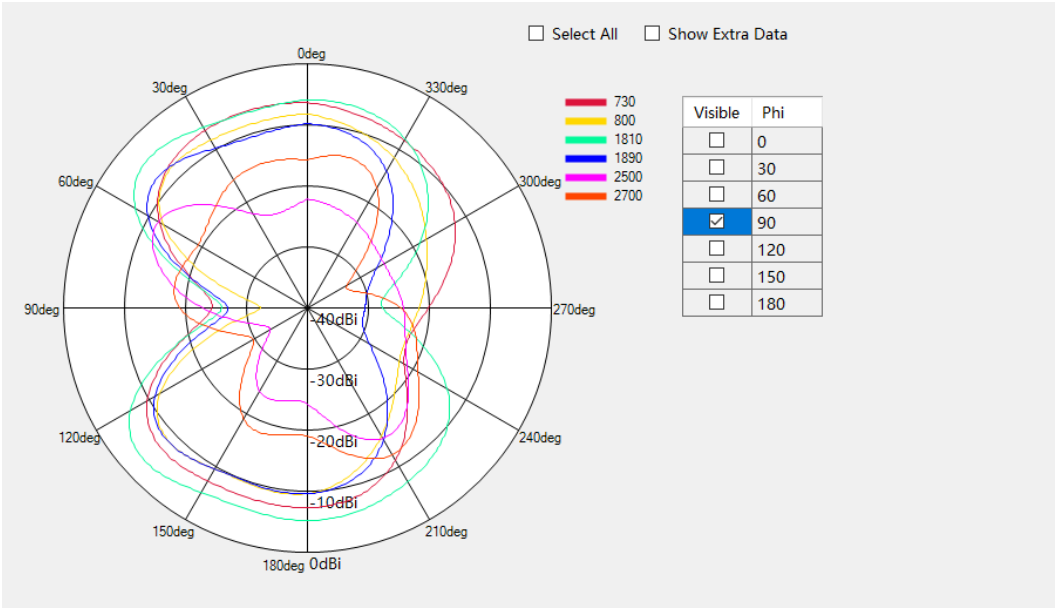
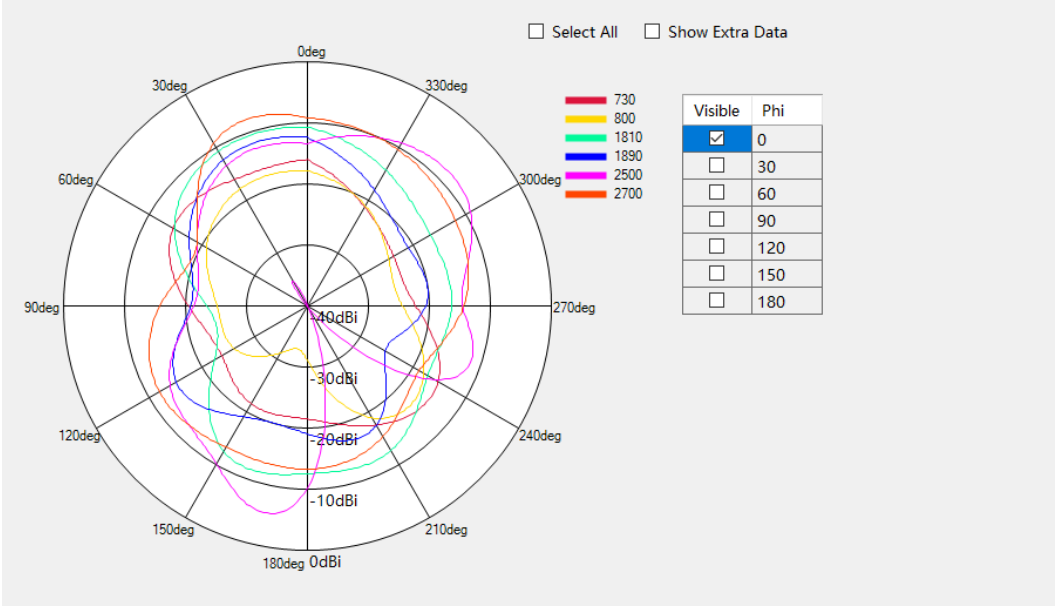


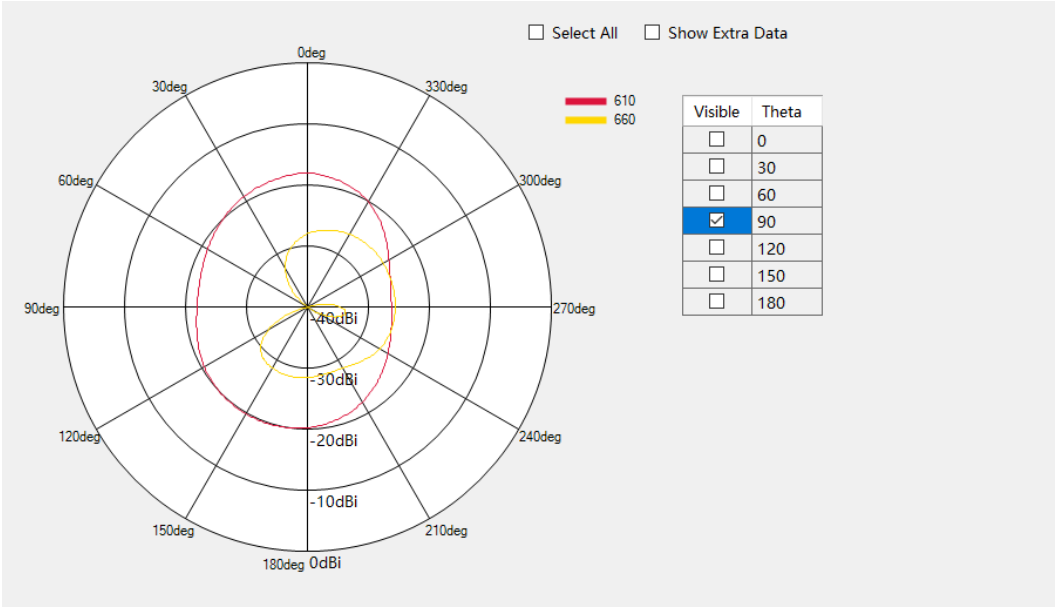
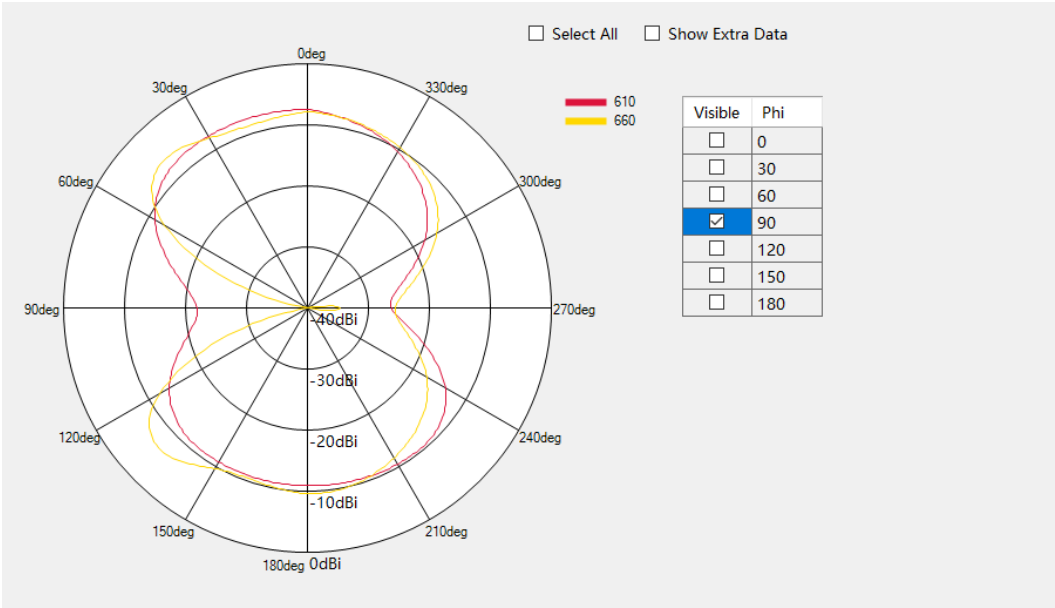
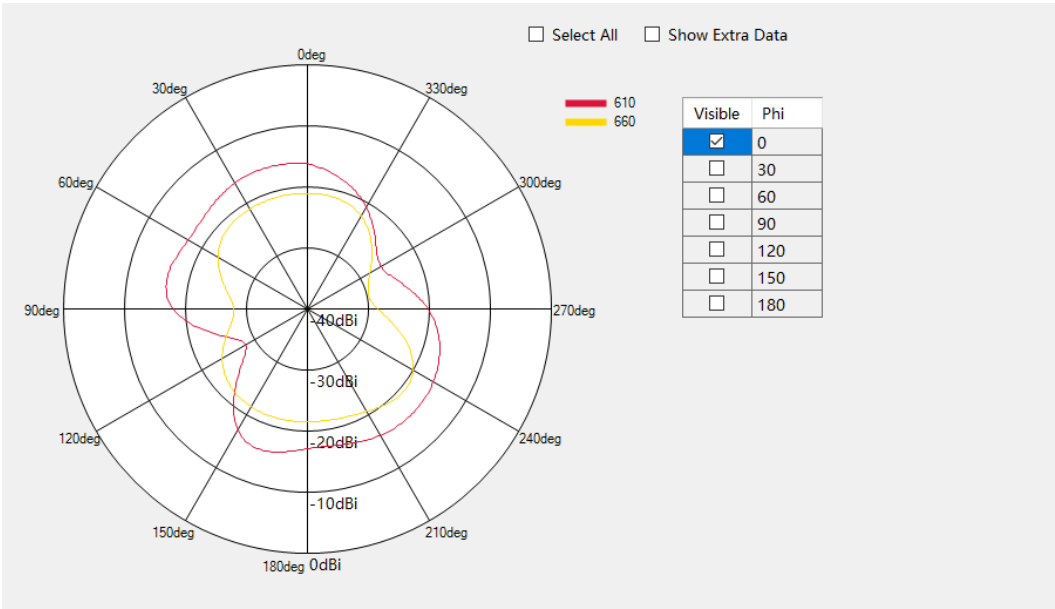


DIV Antenna  
GSM900/W1/W4/W8/LTE B1/B4/B8/B40/B66/N1/N40/N66



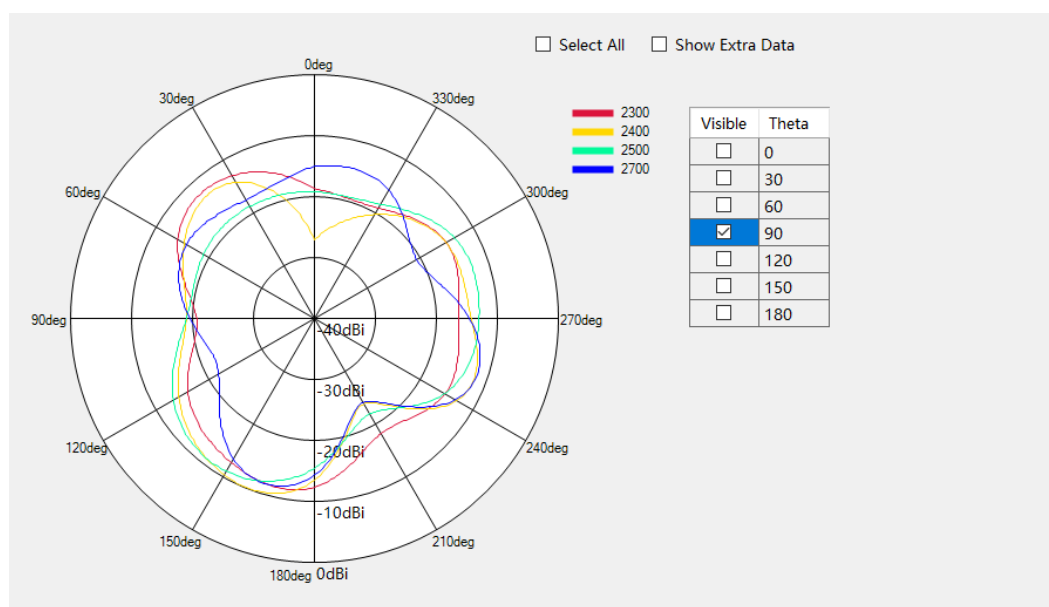
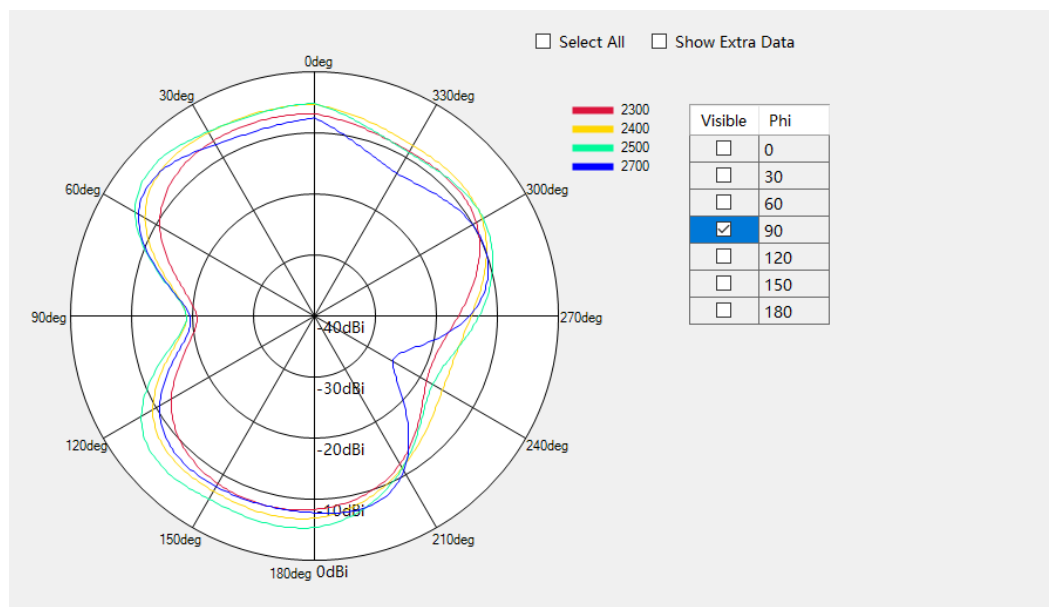
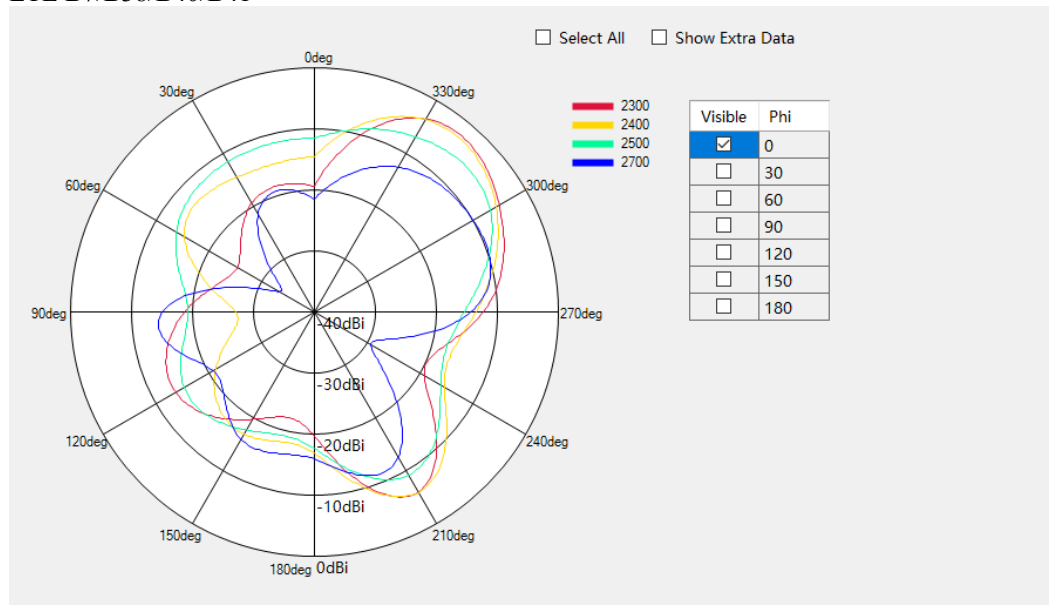






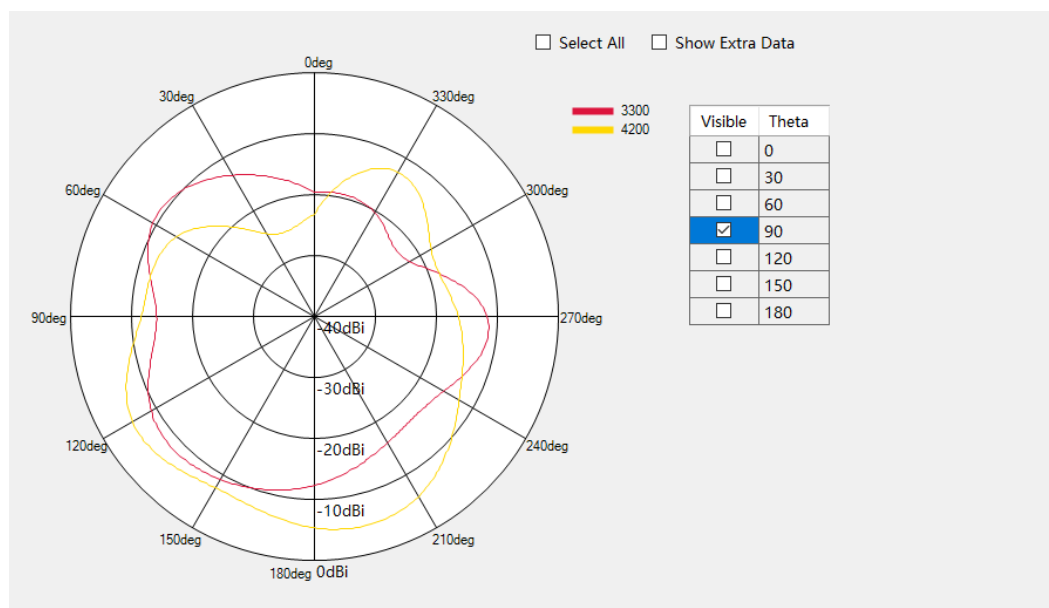
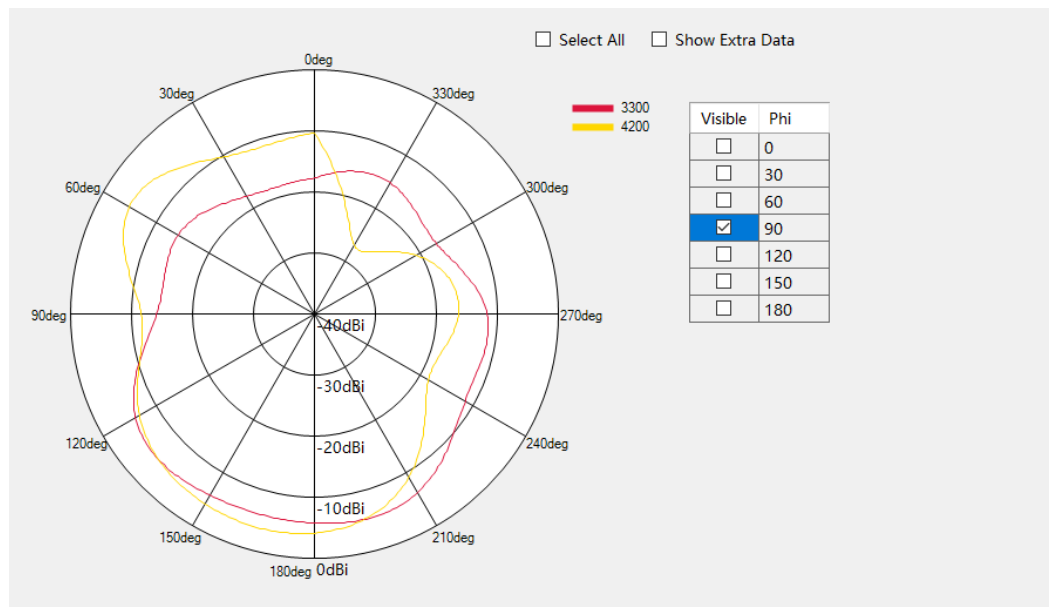
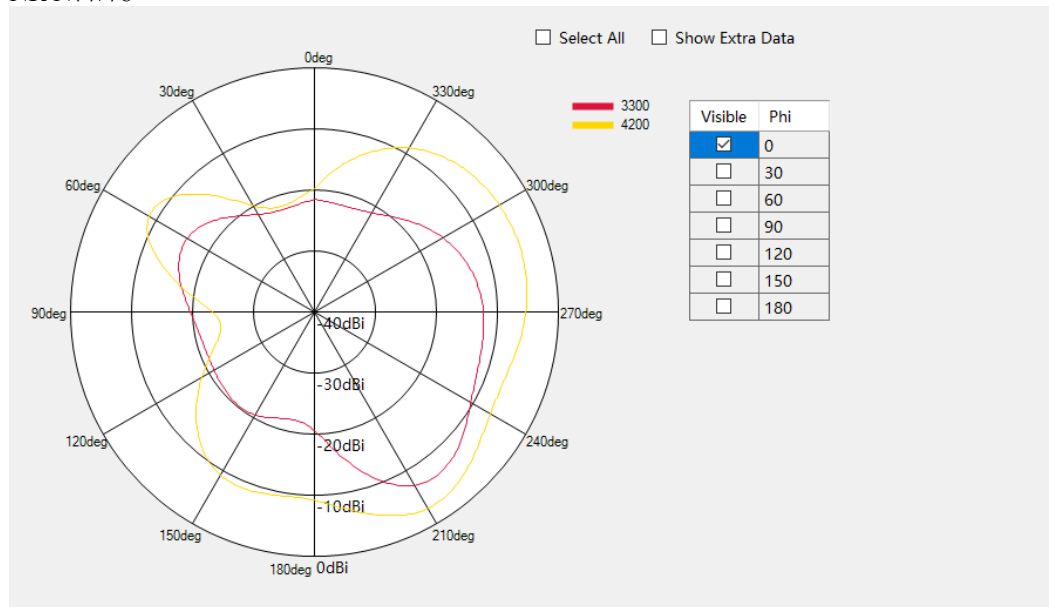
# ANT3

LTE B7/B38/B40/B41



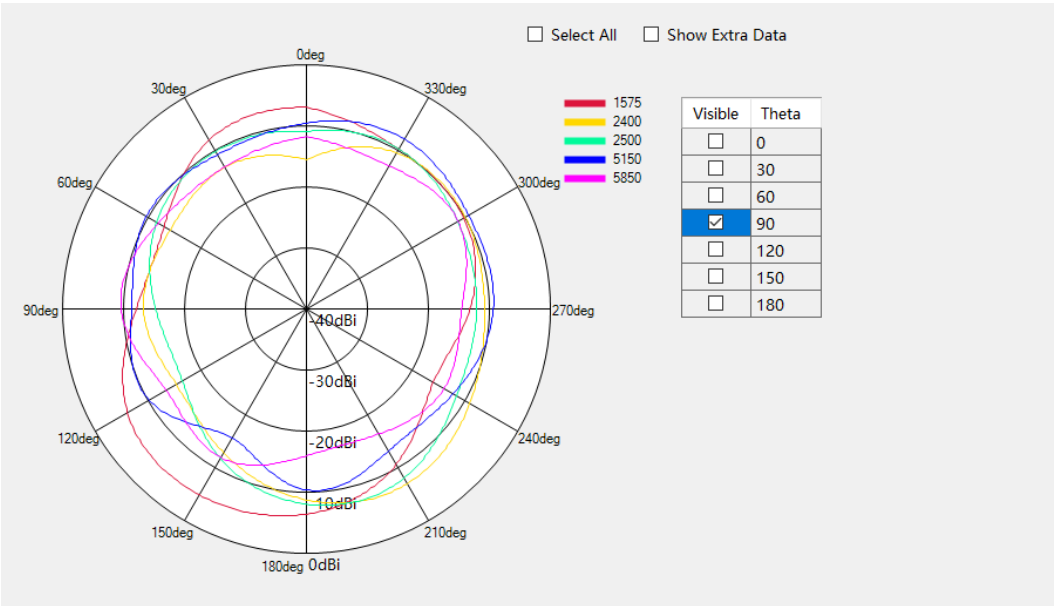
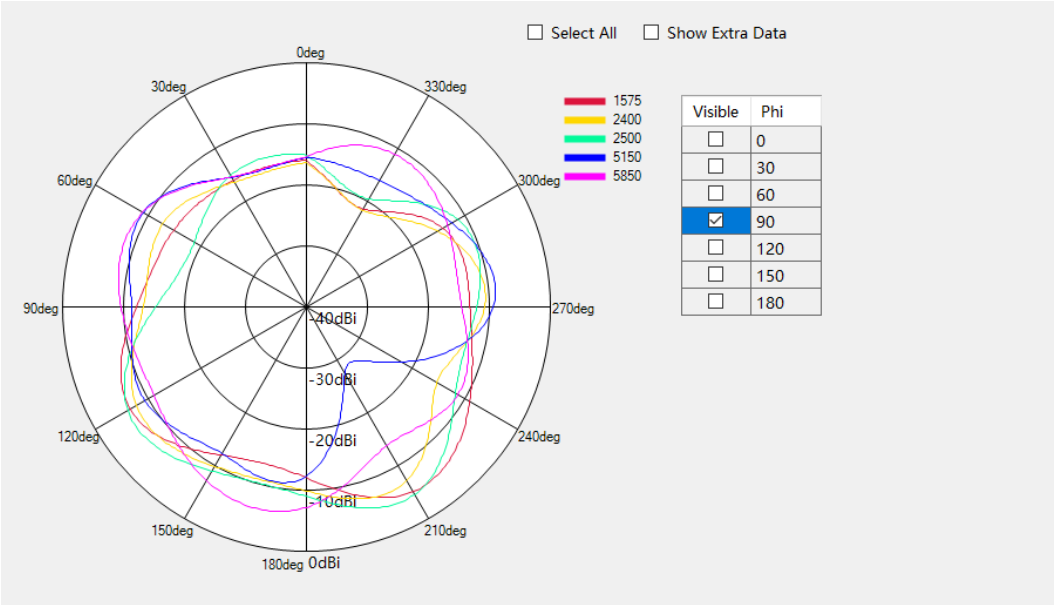
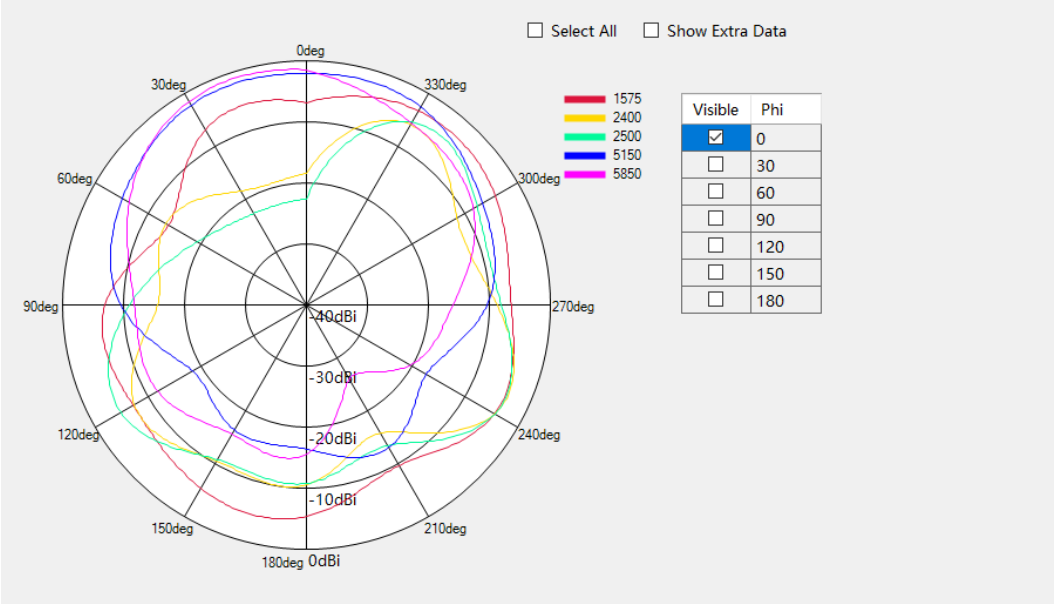
# ANT4

NR N77/78



Three-in-one antenna

GPS/WIFI 2.4G/5G



※S11:

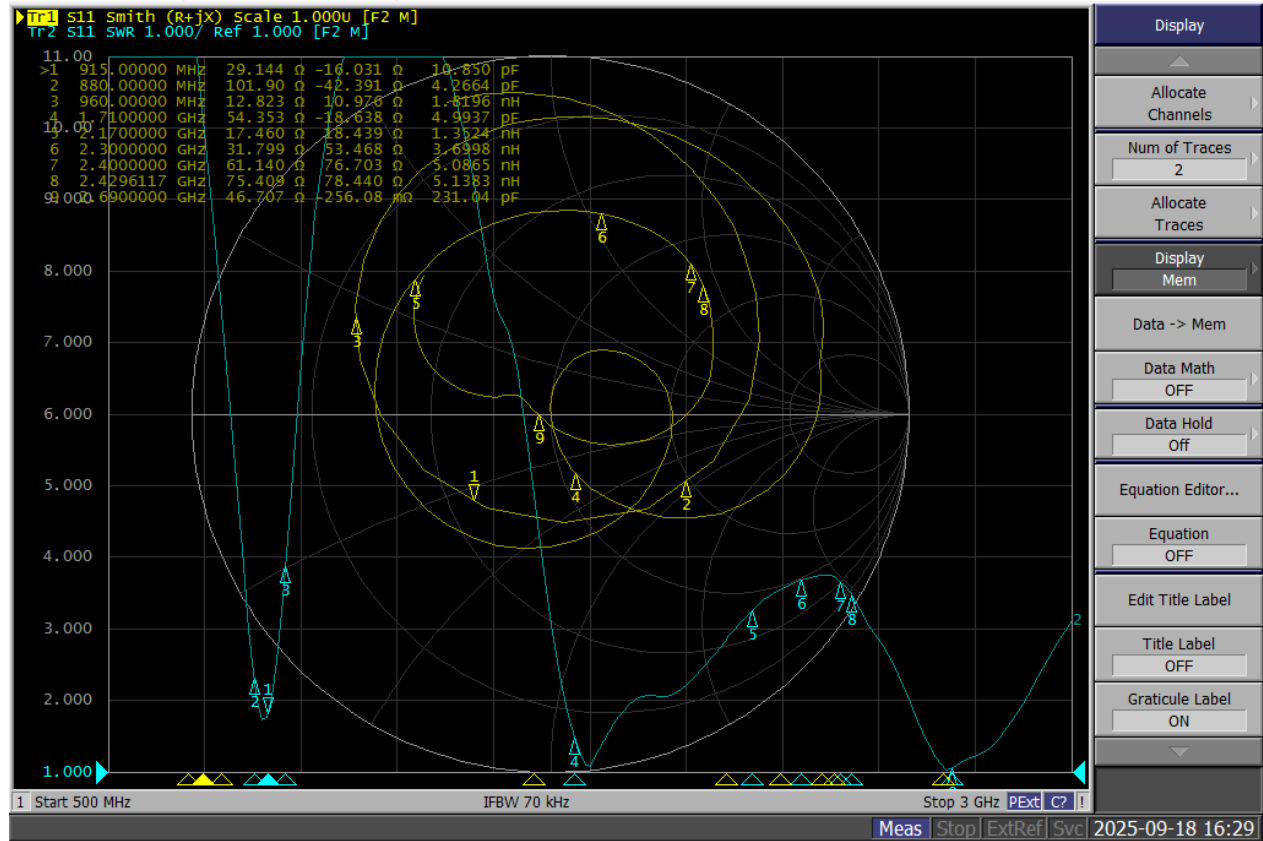
## Main Antenna

GSM900/DCS1800/W4/W8/LTE B3/B4/B7/B8/B38/B41/B66/N3/N7/N38/N41/N66

E5071C Network Analyzer

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

Resize

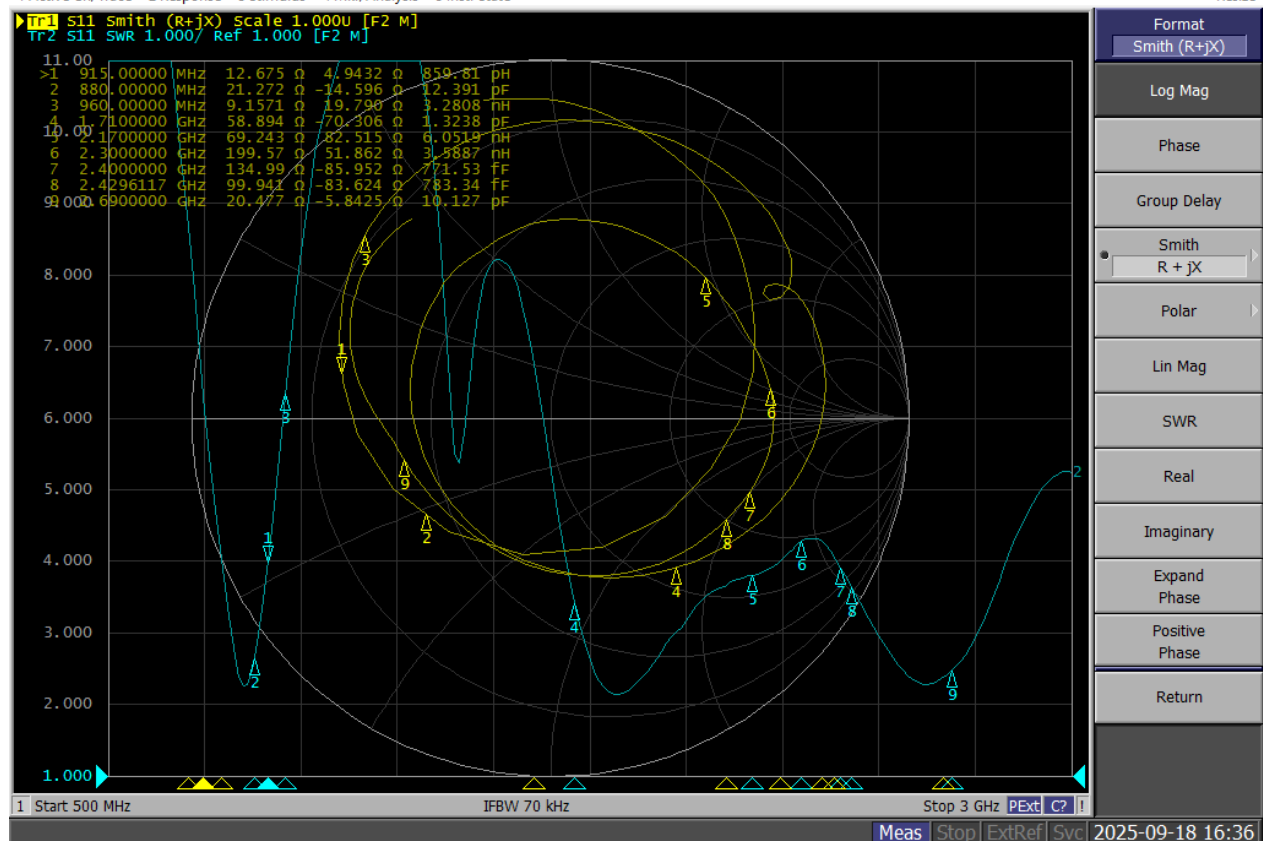


## GSM850/W5/LTE B5/B26/B40/N5/N26/N40

E5071C Network Analyzer

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

Resize

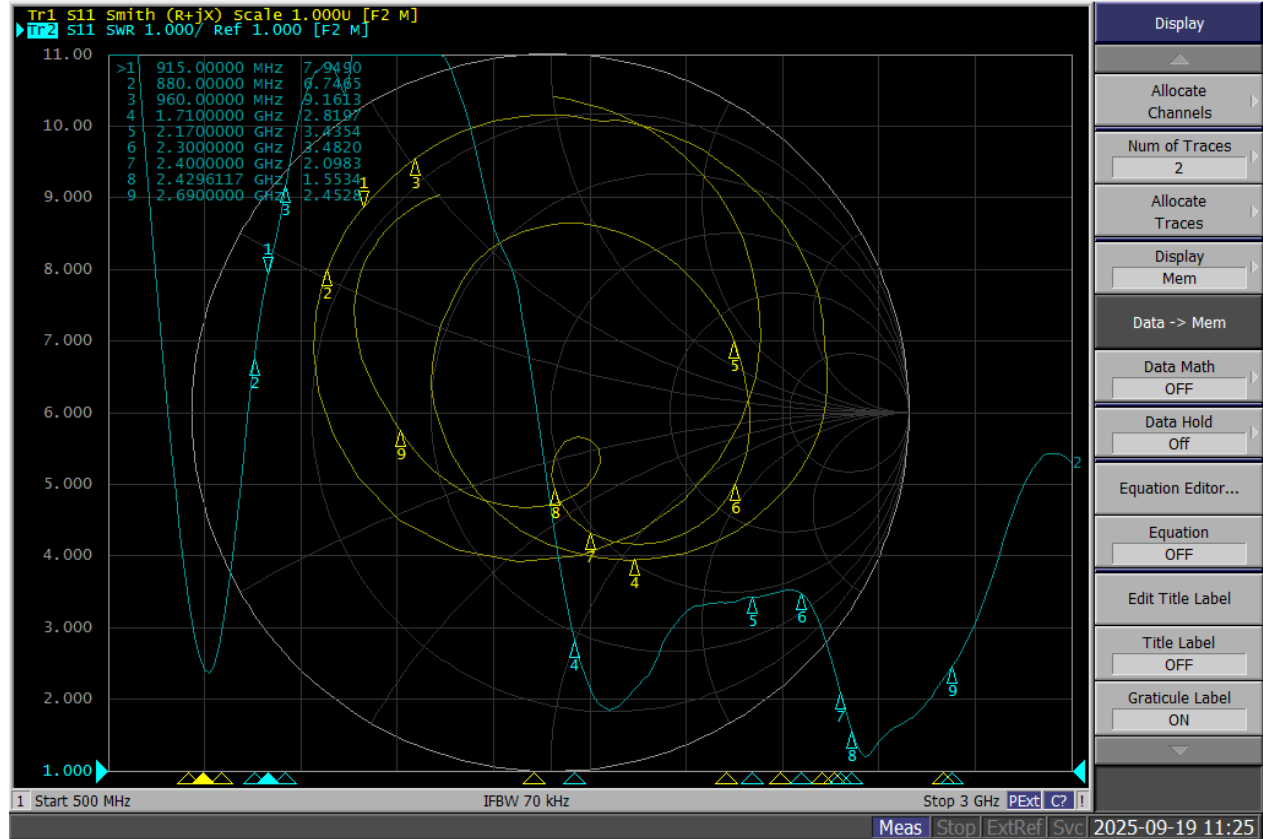


# LTE B12/B17/B28/N28

E5071C Network Analyzer

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

Resize

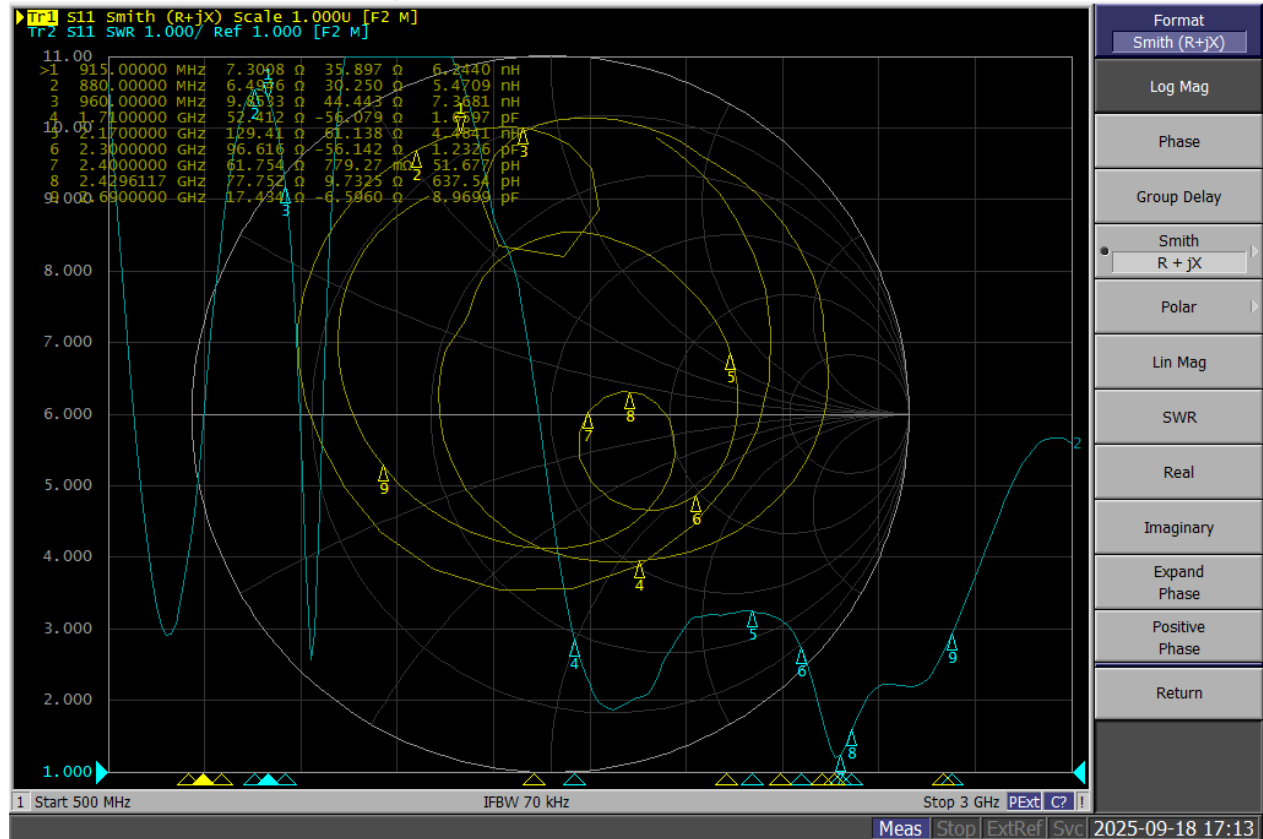


# PCS1900/W1/W2/LTE B1/B2/B25/B71/N1/N2/N25/N71

E5071C Network Analyzer

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

Resize



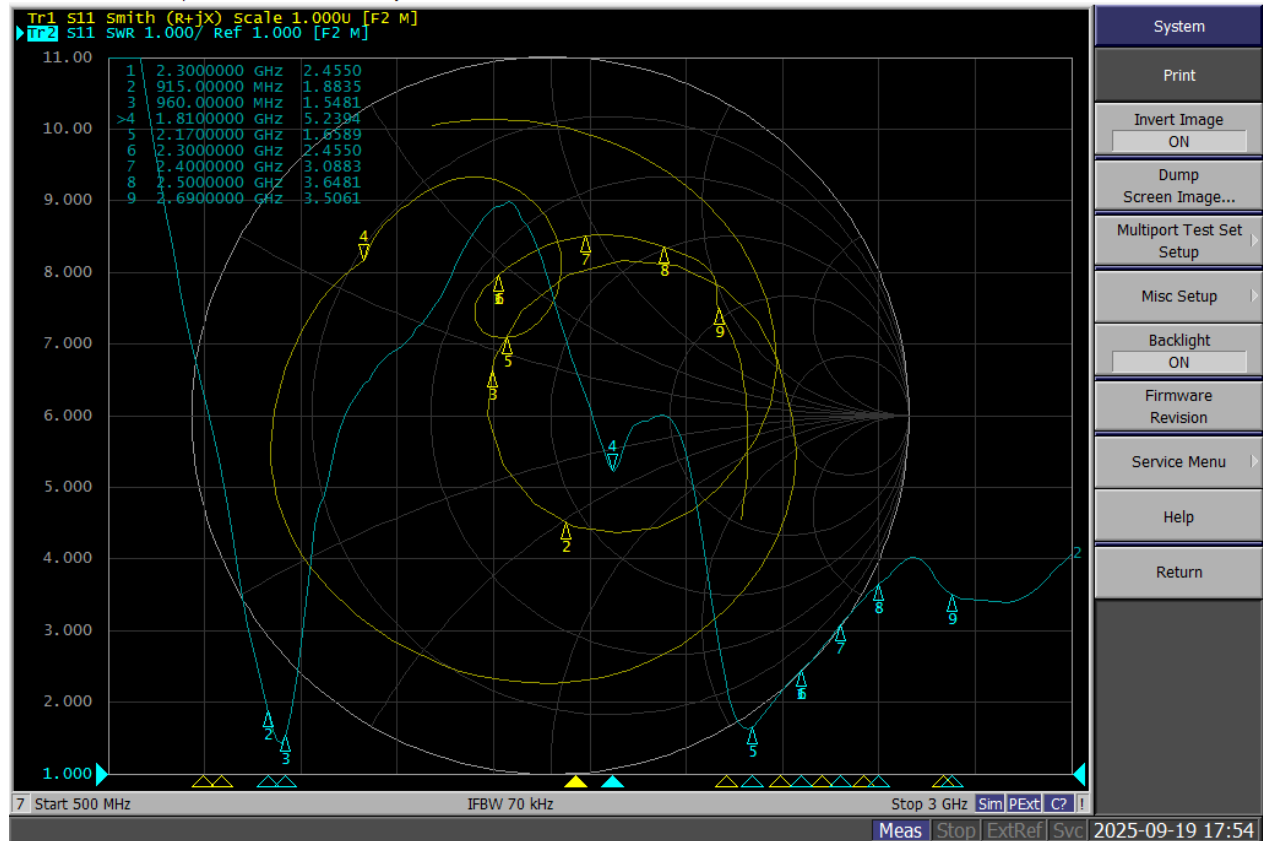
# DIVAntenna

## GSM900/W1/W4/W8/LTE B1/B4/B8/B40/B66/N1/N40/N66

E5071C Network Analyzer

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

Resize

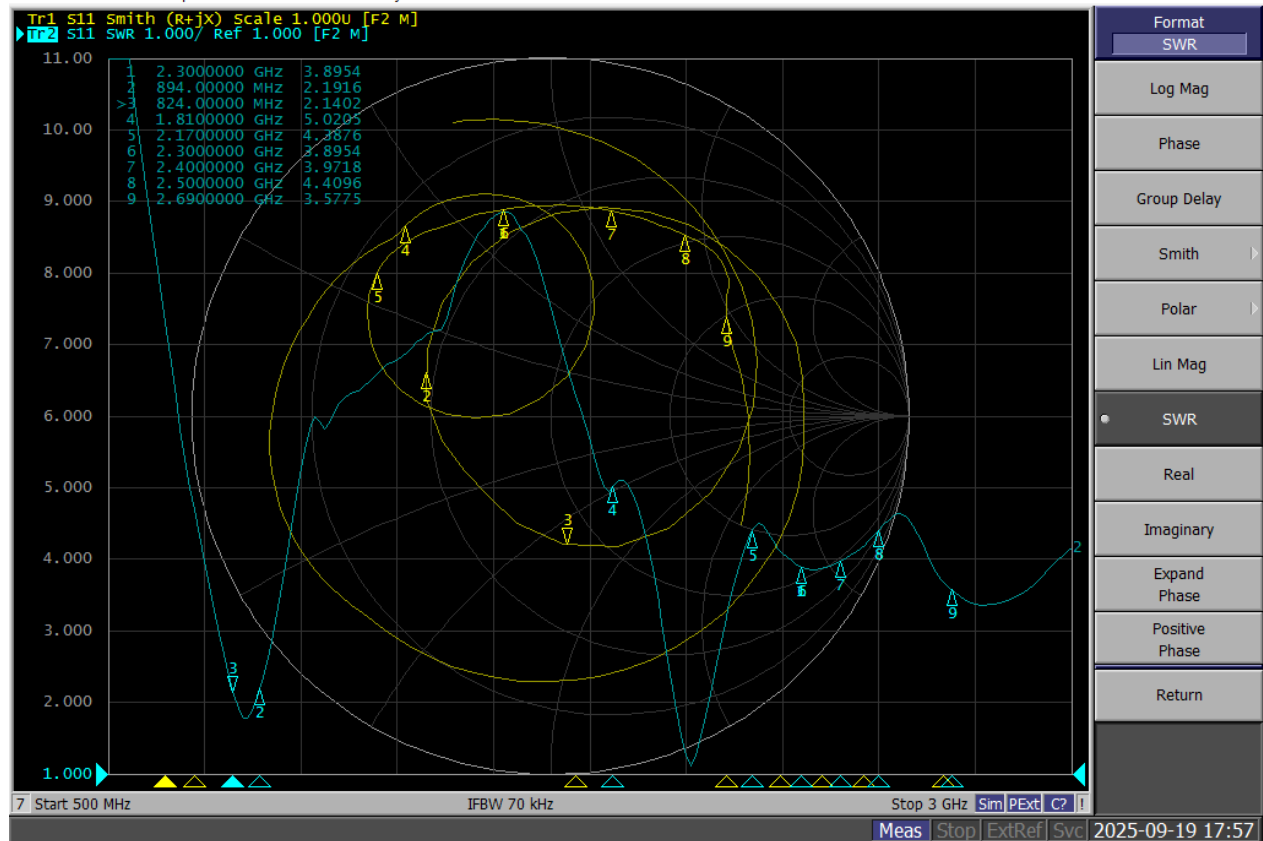


## GSM850/PCS1900/W2/W5/LTE B2/B5/B25/B26/N2/N5/N25/N26

E5071C Network Analyzer

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

Resize

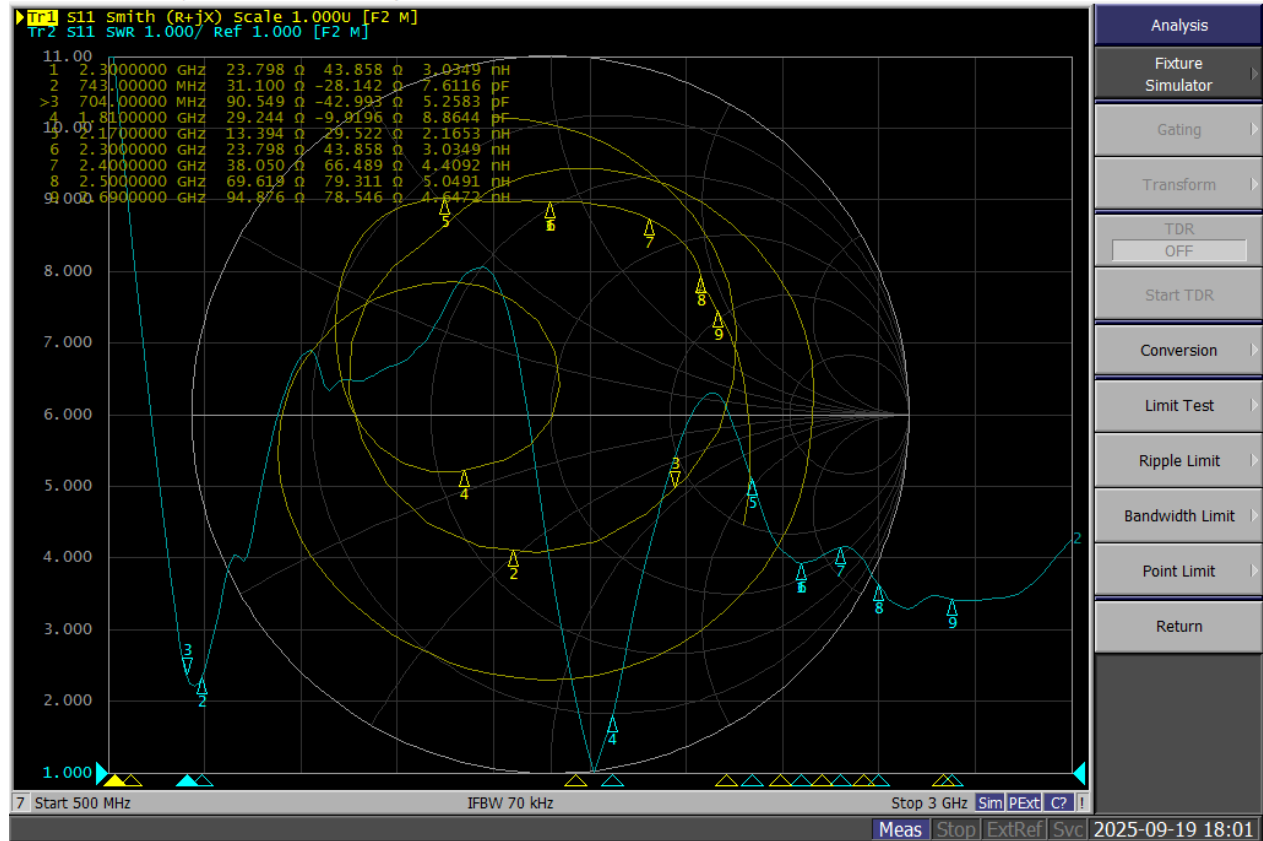


# DCS1800/LTE B3/B7/B12/B17/B28/B38/B41/N3/N7/N28/N38/N41

E5071C Network Analyzer

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

Resize

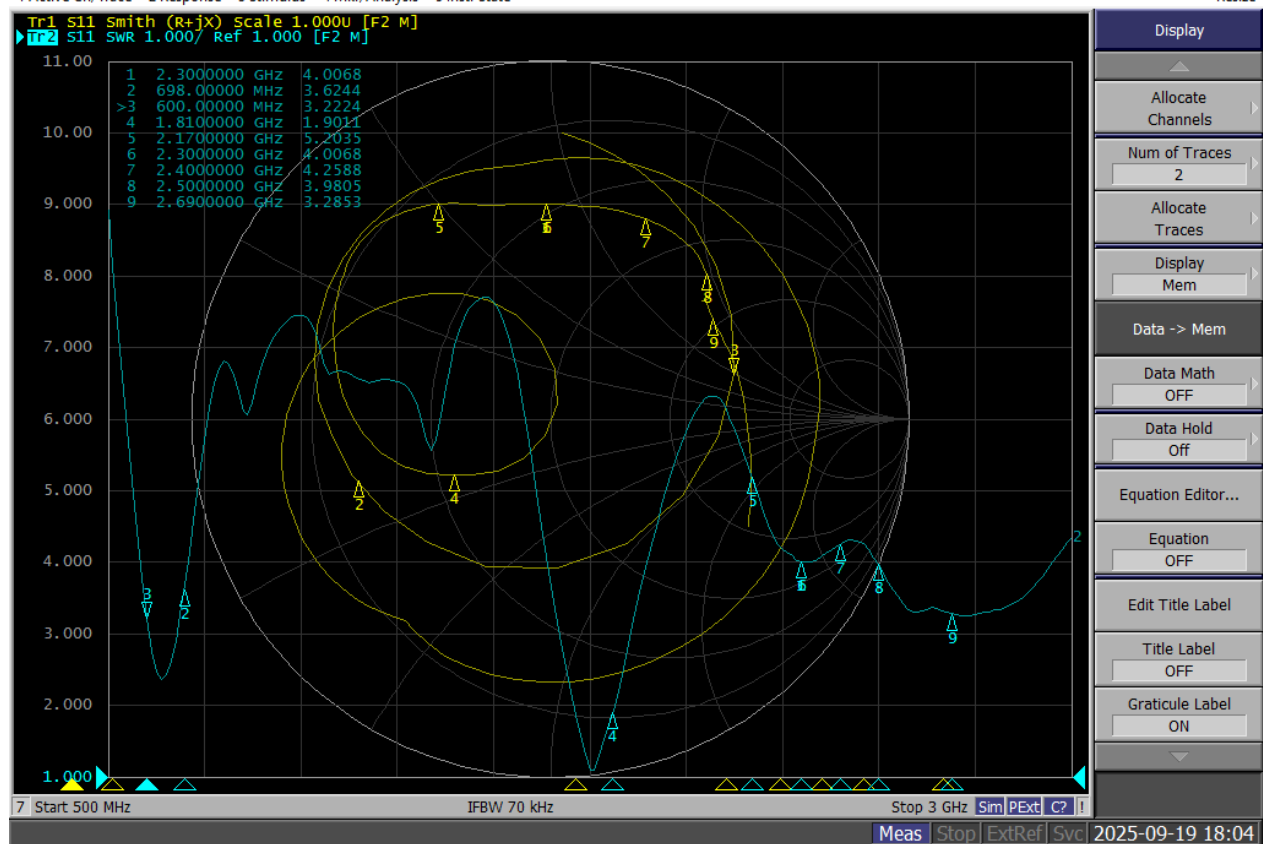


## LTE B71/N71

E5071C Network Analyzer

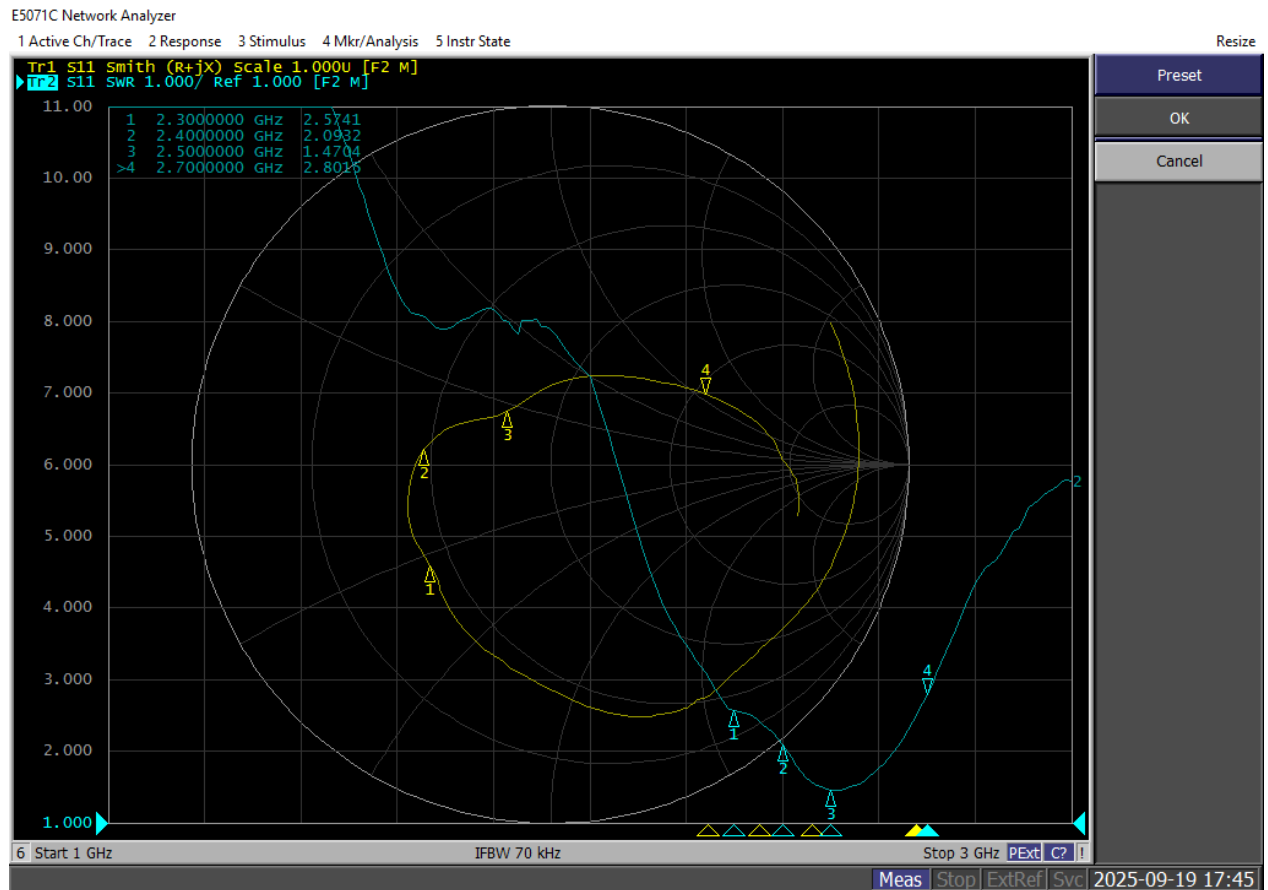
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Resize



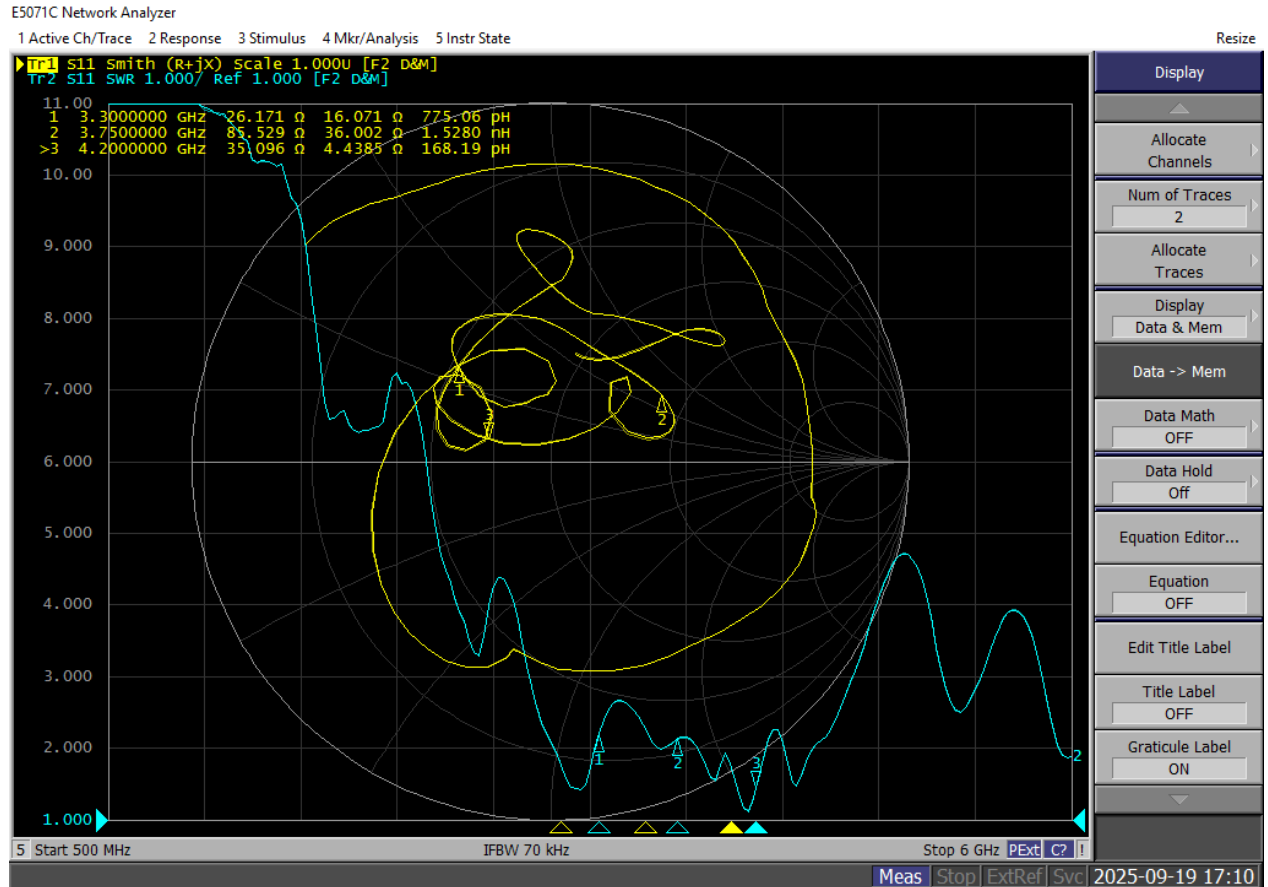
# ANT3

## LTE B7/B38/B40/B41



# ANT4

## NR N77/78



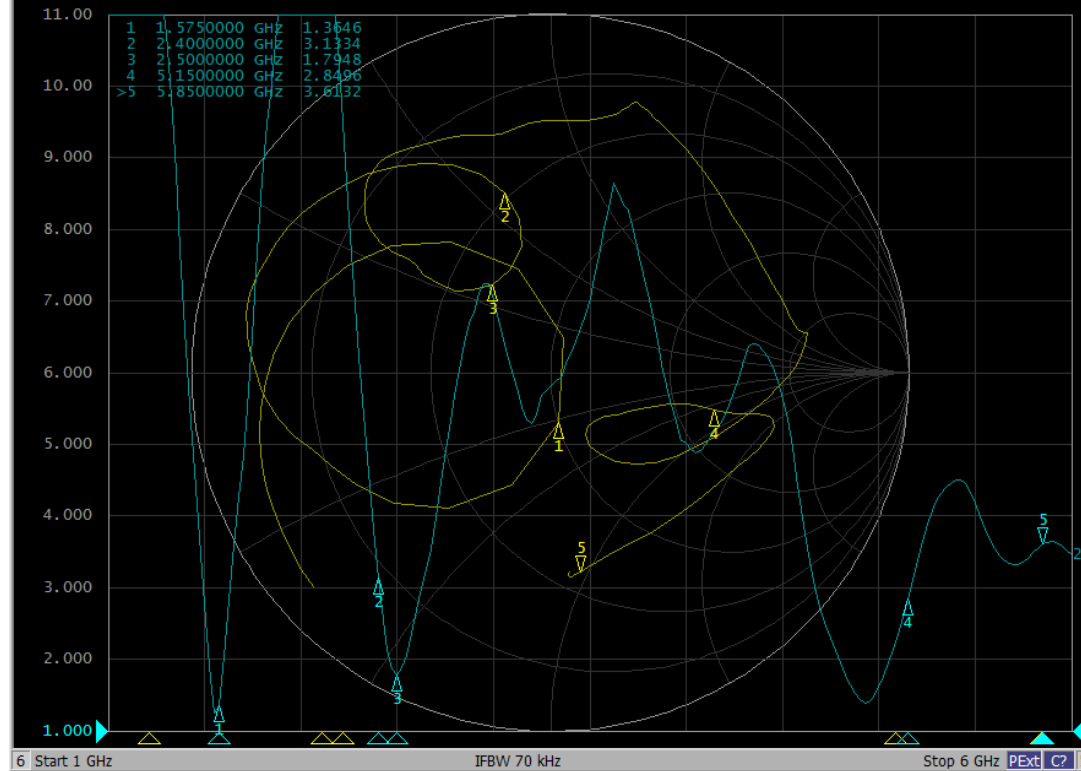
## Three-in-one antenna

E5071C Network Analyzer

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

Resize

Tr1 S11 Smith (R+jX) Scale 1.000U [F2 M]  
Tr2 S11 SWR 1.000/ Ref 1.000 [F2 M]



Meas Stop ExtRef Svc 2025-09-19 16:59

Display

Allocate Channels

Num of Traces

2

Allocate Traces

Display Mem

Data -> Mem

Data Math OFF

Data Hold Off

Equation Editor...

Equation OFF

Edit Title Label

Title Label OFF

Graticule Label ON