

Feature

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

Application

Af1 配置

※ 2G:B2/B3/B5/B8

3G:B1/B2/B4/B5/B8

4G:B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B26/B28A/B28B/B38/B40/B41/B66

communication applications

※Antenna manufacturer

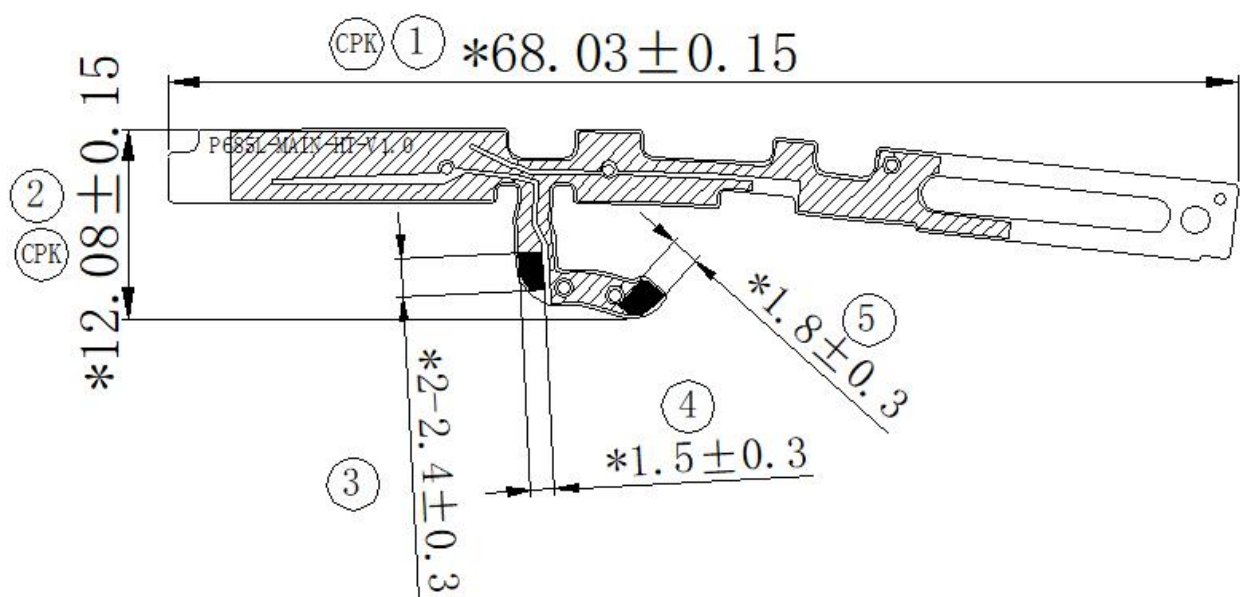
Zhejiang Haitong communications electronic Limited

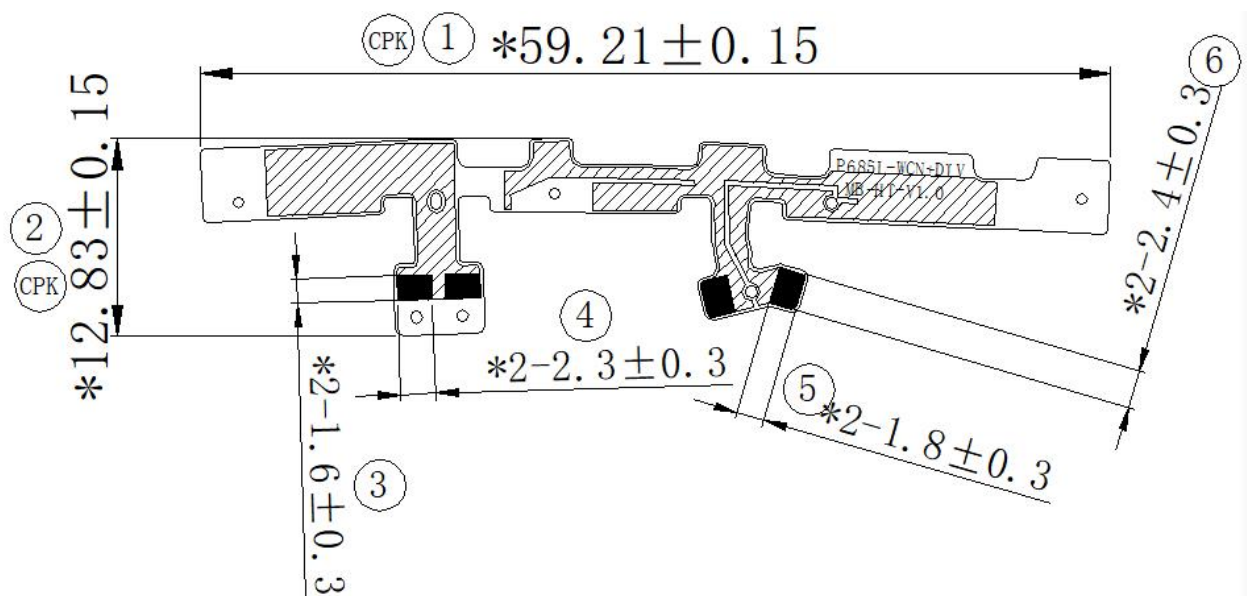
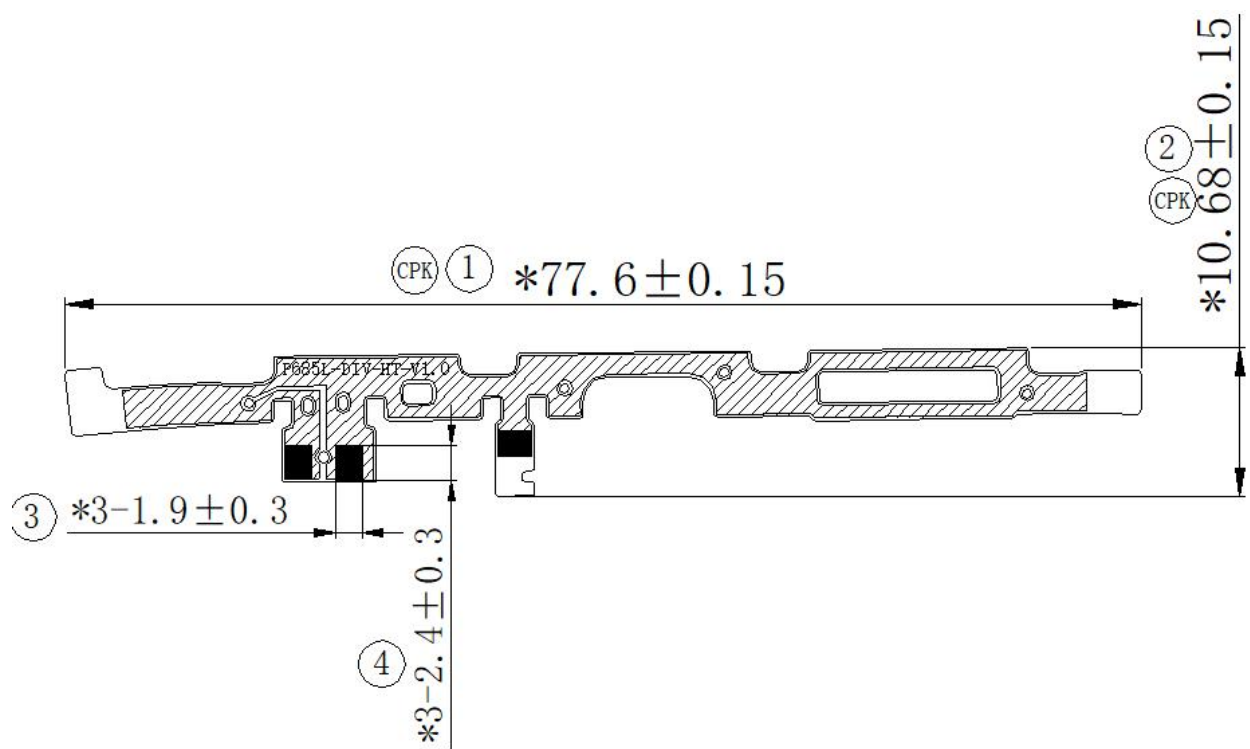
浙江海通通讯电子股份有限公司

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) GSM900: 880-915MHz (TX) DCS1800: 1710-1785MHz (TX) PCS1900:1850-1910MHz (TX) WCDMAband I: 1920~1980MHz(TX) WCDMAband II :1850~1910MHz(TX) WCDMAband IV:1710~1755MHz(TX) WCDMAband V: 824~849MHz(TX) WCDMAband VIII: 880~915MHz(TX) LTE B1: 1920~1980MHz(TX) LTE B2: 1850~1910MHz(TX) LTE B3: 1710~1785MHz(TX) LTE B4: 1710~1755MHz(TX) LTE B5: 824~849MHzMHz(TX) LTE B7: 2500~2570MHz(TX) LTE B8: 880~915MHzMHz(TX) LTE B12: 699~716MHz(TX) LTE B17: 704~716MHz(TX) LTE B20: 832~862MHz(TX) LTE B26: 814~849MHz(TX) LTE B28AB: 703~748MHz(TX) LTE B38: 2570~2620MHz(TX) LTE B40: 2300~2400MHz(TX) LTE B41: 2535~2655MHz(TX) LTE B66: 1710~1780MHz(TX) WIFI 2.4G:2412~2472 MHz WIFI 5G:5180~5825 MHz Bluetooth:2402 - 2480 MHz GPS:1575.42MHz

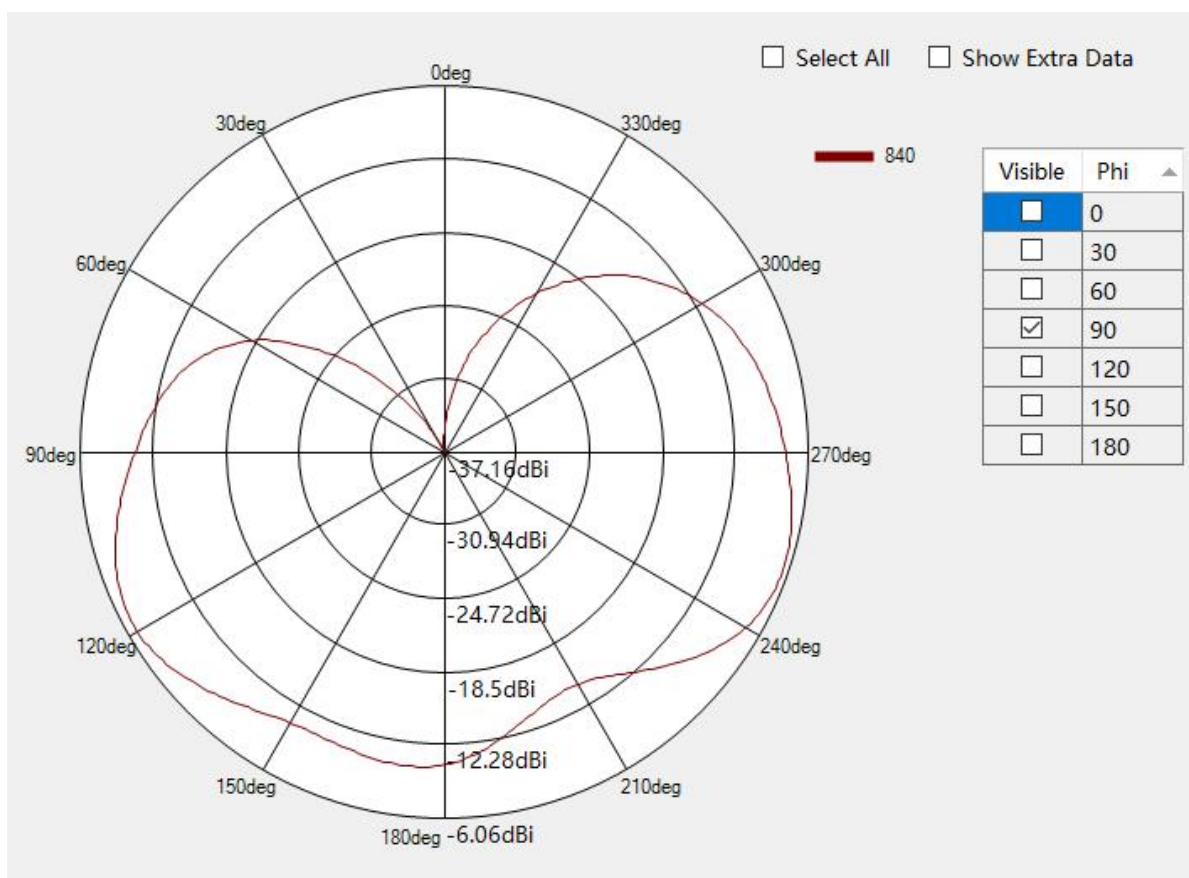
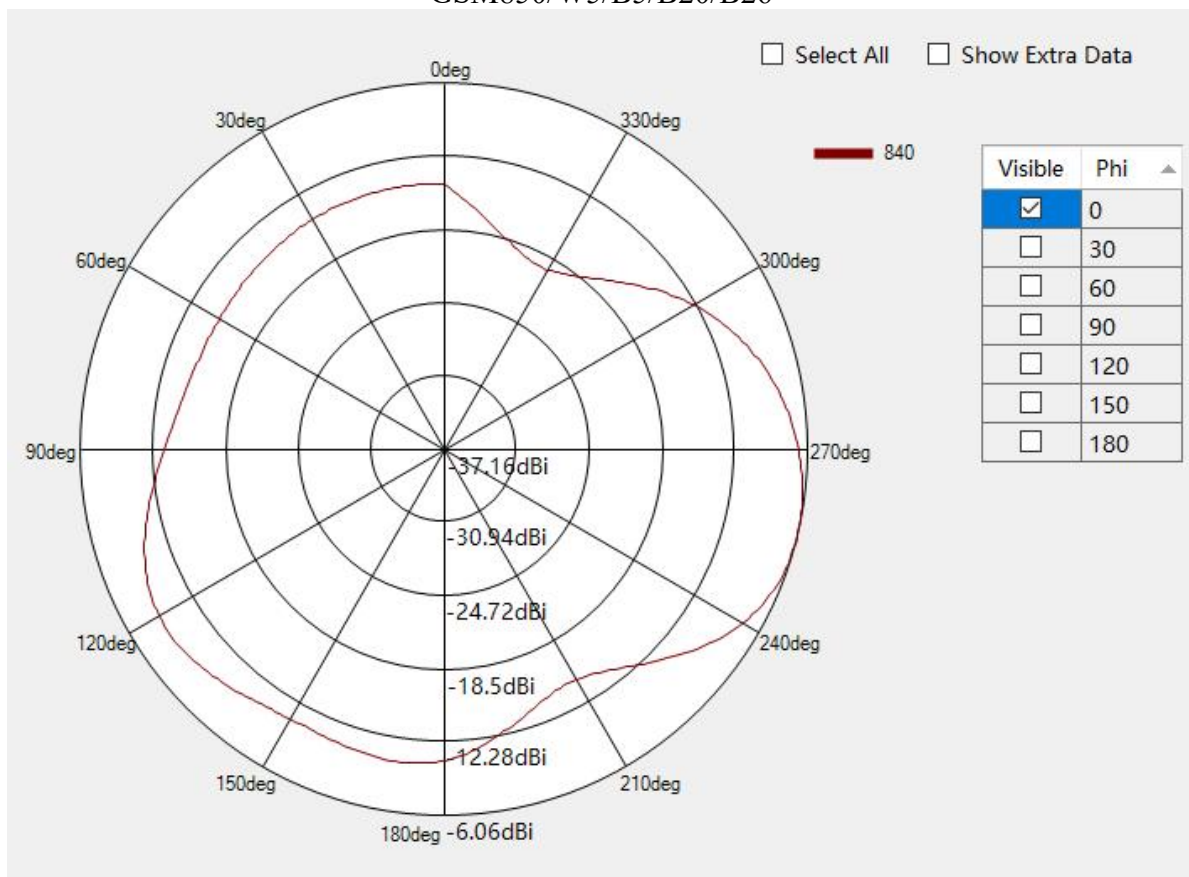
Receiver Frequency	GSM850: 869-894MHz (RX) GSM900: 925-960MHz (RX) DCS1800: 1805-1880MHz (RX) PCS1900:1930-1990MHz (RX) WCDMAband I:2110~2170MHz(RX) WCDMAband II :1930~1990MHz(RX) WCDMAband IV :2110~2155MHz(RX) WCDMAband V: 869~894MHz(RX) WCDMAband VIII: 925~960MHz(RX) LTE B1: 2110~2170MHz(RX) LTE B2: 1930~1990MHz(RX) LTE B3: 1805~1880MHz(RX) LTE B4: 2110~2155MHz(RX) LTE B5: 869~894MHzMHz(RX) LTE B7: 2620~2690MHz(RX) LTE B8: 925~960MHzMHz(RX) LTE B12: 729~746MHz(RX) LTE B17: 734~746MHz(RX) LTE B20: 791~821MHz(RX) LTE B26: 859~894MHz(RX) LTE B28AB: 758~803MHz(RX) LTE B38: 2570~2620MHz(RX) LTE B40: 2300~2400MHz(RX) LTE B41: 2565~2645MHz(RX) LTE B66: 2110~2200MHz(RX)
RF-Output Power (E.I.R.P)	GSM850: 33+/-2dBm GSM900: 33+/-2dBm DCS1800:30+/-2dBm PCS1900:30+/-2dBm WCDMA 850: 22.5+/-2dBm WCDMA 900: 22.5+/-2dBm WCDMA 1700: 22.5+/-2dBm WCDMA 1900: 22.5+/-2dBm WCDMA 2100: 22.5+/-2dBm LTE B1:22+/-2dBm LTE B2:22+/-2dBm LTE B3:22+/-2dBm LTE B4:22+/-2dBm LTE B5:22+/-2dBm LTE B7:22+/-2dBm LTE B8:22+/-2dBm LTE B12:22+/-2dBm LTE B17:22+/-2dBm LTE B20:22+/-2dBm LTE B26:22+/-2dBm LTE B28AB:22+/-2dBm LTE B38:22+/-2dBm LTE B40:22+/-2dBm LTE B41:22+/-2dBm LTE B66:22+/-2dBm

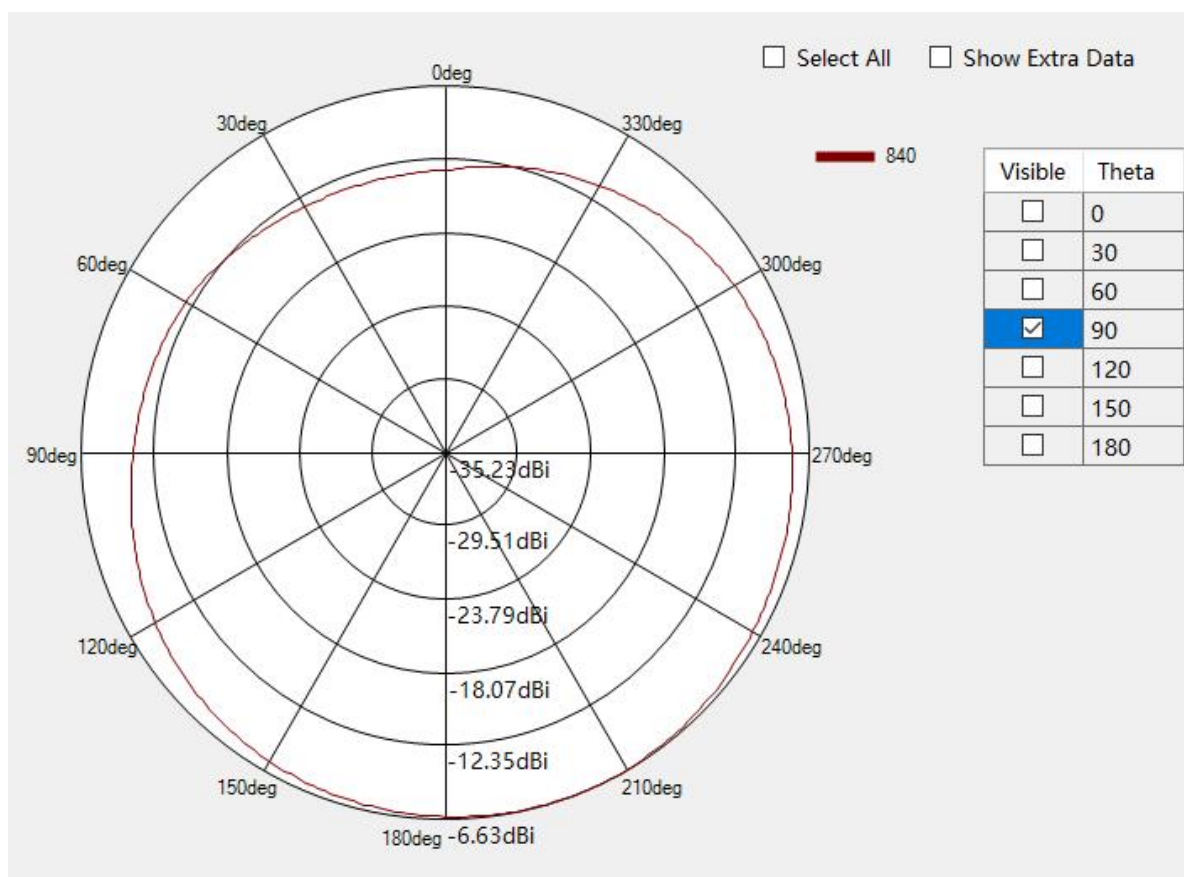
Antenna Gain(Main)	GSM850: -6.12dBi GSM900: -5.63dBi DCS1800: -3.13 dBi PCS1900: -2.29 dBi WCDMA 850: -6.12dBi WCDMA 900: -5.48dBi WCDMA 1700: -3.17dBi WCDMA 1900: -2.27 dBi WCDMA 2100: -4.35dBi LTE B1: -4.36 dBi LTE B2: -2.25 dBi LTE B3: -3.26dBi LTE B4: -3.16dBi LTE B5: -6.27 dBi LTE B7: -2.65 dBi LTE B8: -5.48 dBi LTE B12: -7.75dBi LTE B17: -7.87 dBi LTE B20: -6.37 dBi LTE B26: -6.34dBi LTE B28AB: -7.98 dBi LTE B38: -2.13dBi LTE B40: -3.71dBi LTE B41: -2.44dBi LTE B66: -3.14dBi GPS: -2.01 dBi WIFI 2.4G: -1.68 dBi WIFI 5G: 0.55dBi BT: -1.55dBi
Antenna Gain(Div)	GSM850: -6.53 dBi GSM900: -6.78 dBi DCS1800: -3.52 dBi PCS1900: -2.89dBi WCDMA 850: -6.53dBi WCDMA 900: -6.78dBi WCDMA 1700: -0.89 dBi WCDMA 1900: -2.89dBi WCDMA 2100: -0.98 dBi LTE B1: -0.98dBi LTE B2: -2.79 dBi LTE B3: -3.43dBi LTE B4: -0.75 dBi LTE B5: -6.38 dBi LTE B7: -3.38 dBi LTE B8: -6.78 dBi LTE B12: -6.18 dBi LTE B17: -6.19 dBi LTE B20: -8.99 dBi LTE B26: -6.86 dBi LTE B28AB: -7.89 dBi LTE B38: -3.56dBi LTE B40: -1.28 dBi LTE B41: -3.17 dBi LTE B66: -0.62 dBi

Power of antenna:	GSM850: 24.1dBm GSM900: 24.4dBm DCS1800: 24.1dBm PCS1900: 24.2dBm WCDMA 850: 15.7dBm WCDMA 900: 15.7dBm WCDMA 1700: 17.6dBm WCDMA 1900: 17.6dBm WCDMA 2100: 17.9dBm LTE B1: 17.6dBm LTE B2: 17.6dBm LTE B3: 17.6dBm LTE B4: 17.5dBm LTE B5: 15.3dBm LTE B7: 17.6dBm LTE B8: 15.4dBm LTE B12: 13.1dBm LTE B17: 13.2dBm LTE B20: 14.9dBm LTE B26: 14.9dBm LTE B28AB: 13.2dBm LTE B38: 17.1dBm LTE B40: 16dBm LTE B41: 16.5dBm LTE B66: 17.5dBm WIFI-2.4G: 11.5dBm WIFI-5G: 10.4dBm GPS:-151.4 BT: 2.3 dBm
Type of Modulation	GMSK/8PSK/QPSK/16QAM/64QAM/GFSK, $\pi/4$-DQPSK,8DPSK

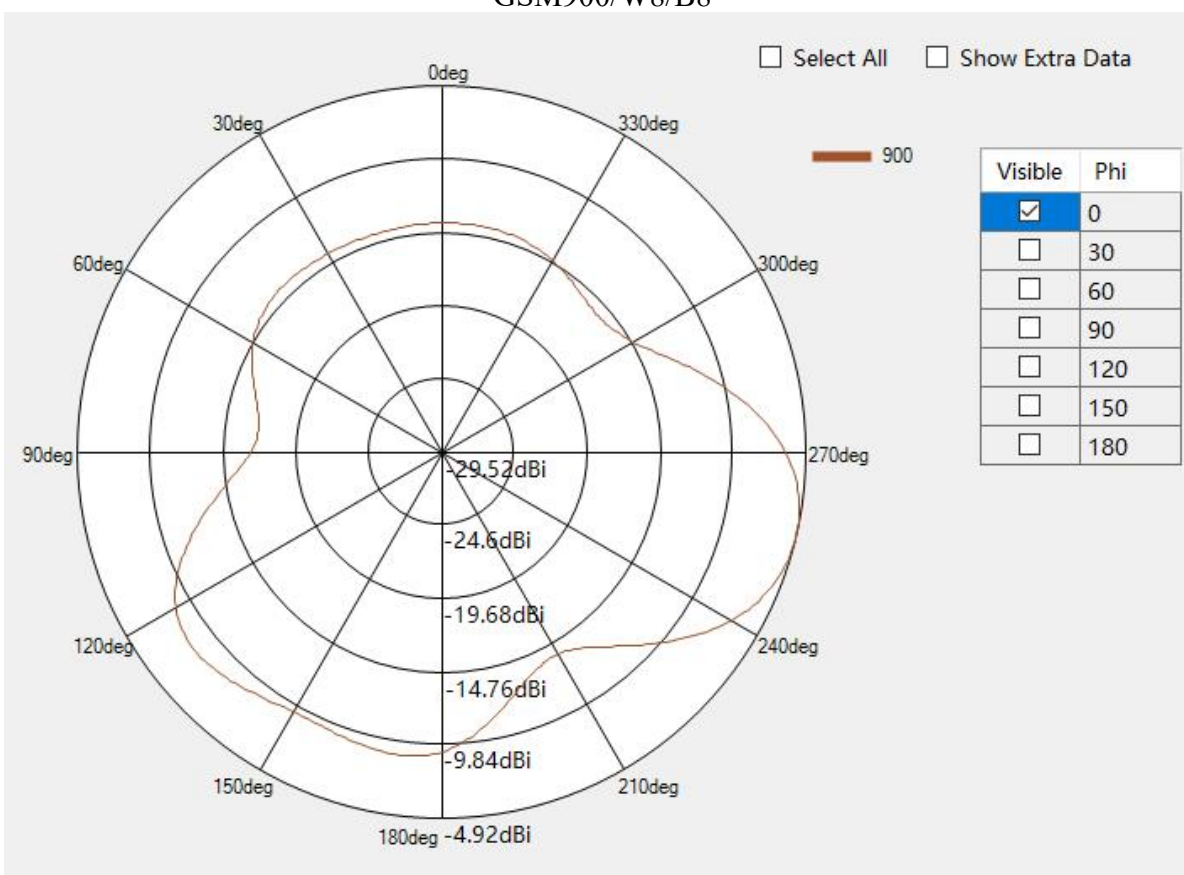
※ Antenna Gain

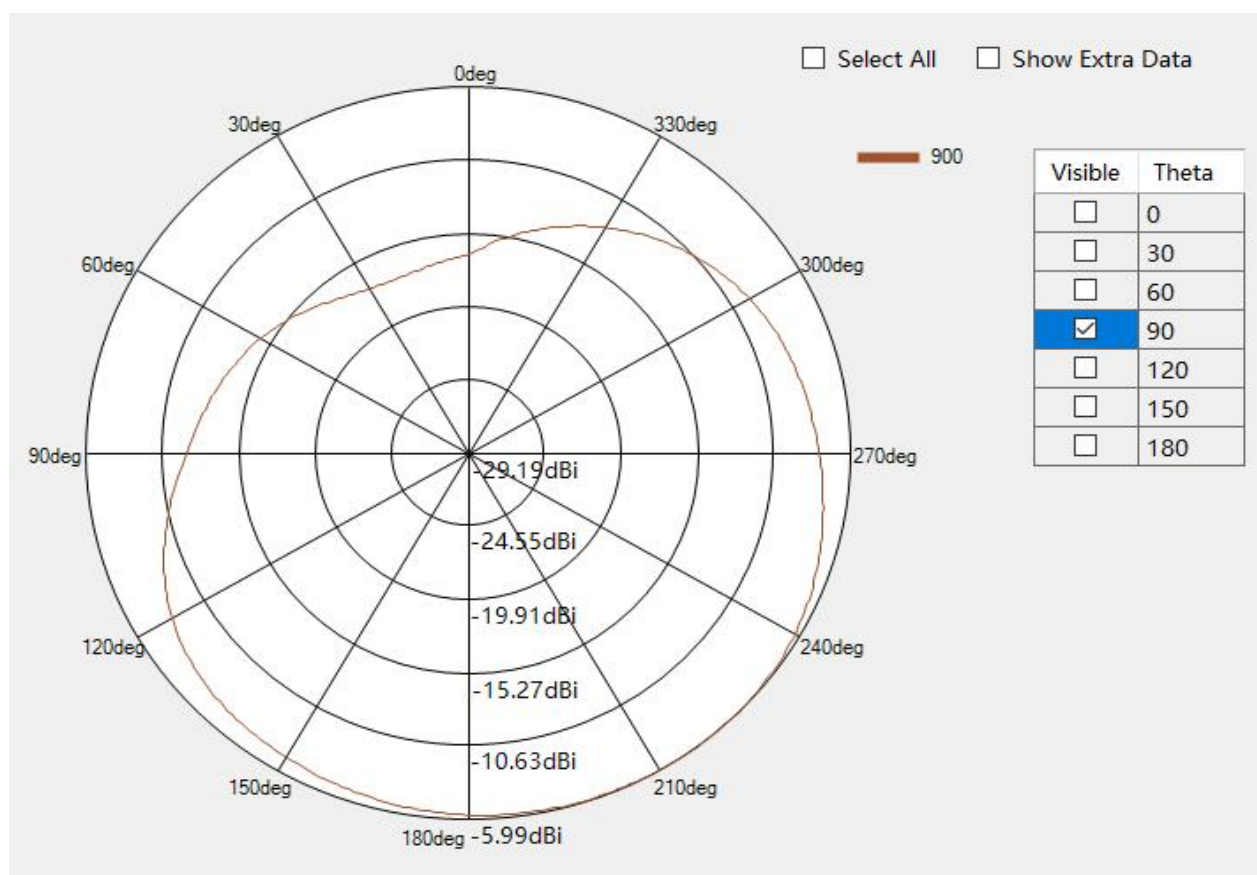
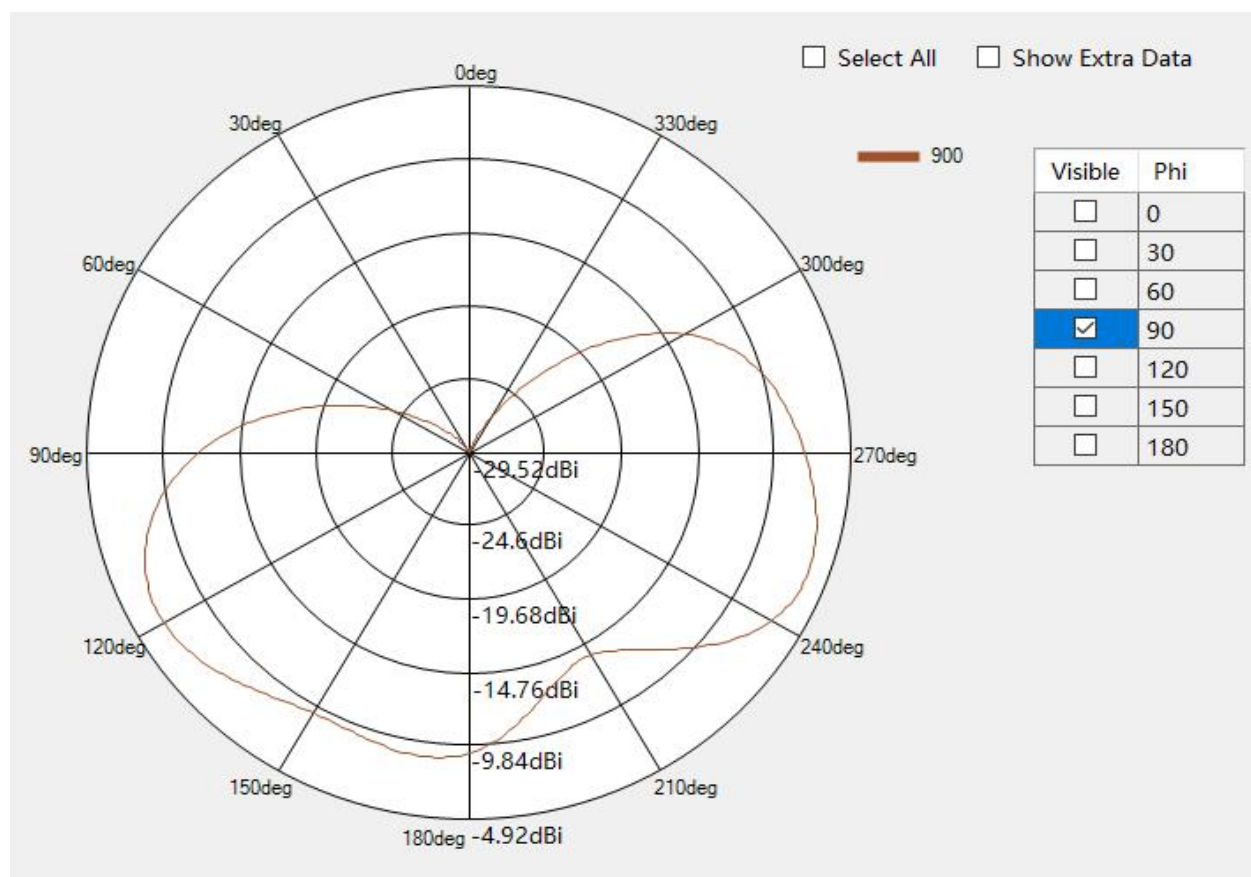
Main Antenna GSM850/W5/B5/B20/B26



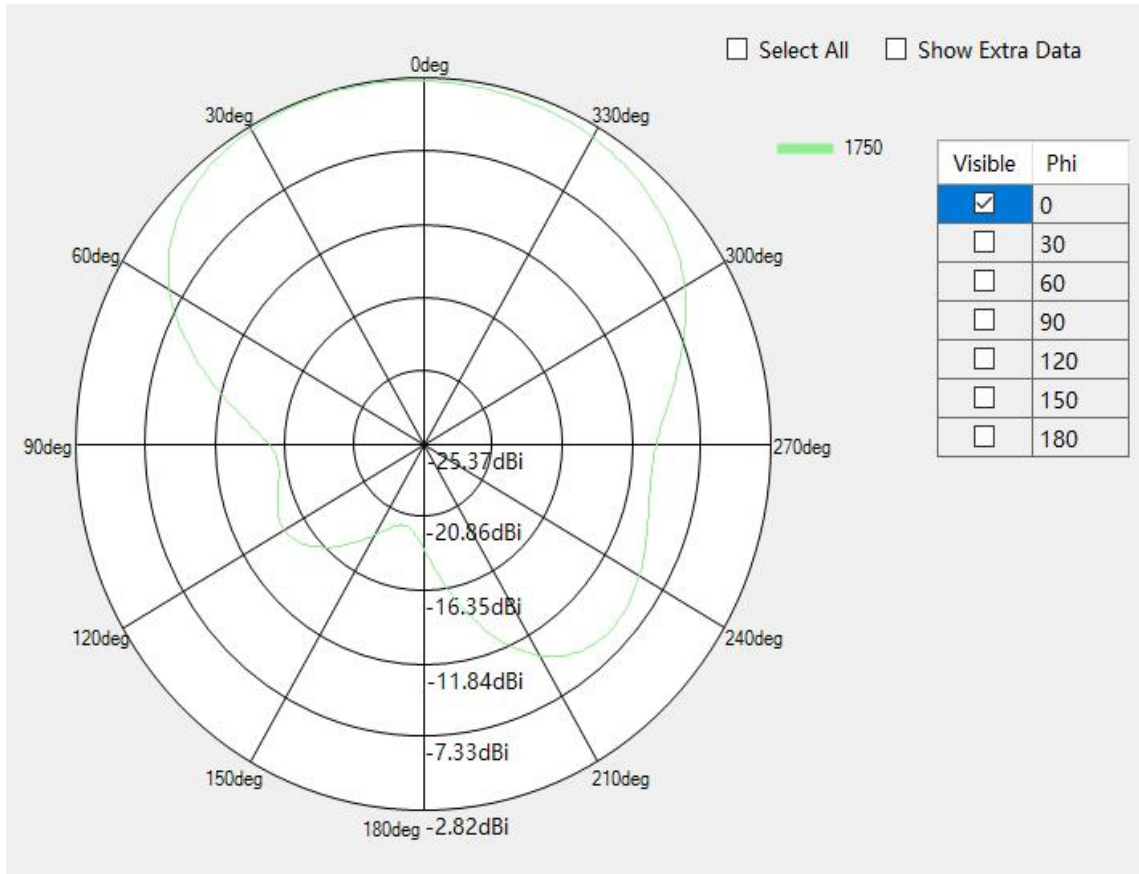


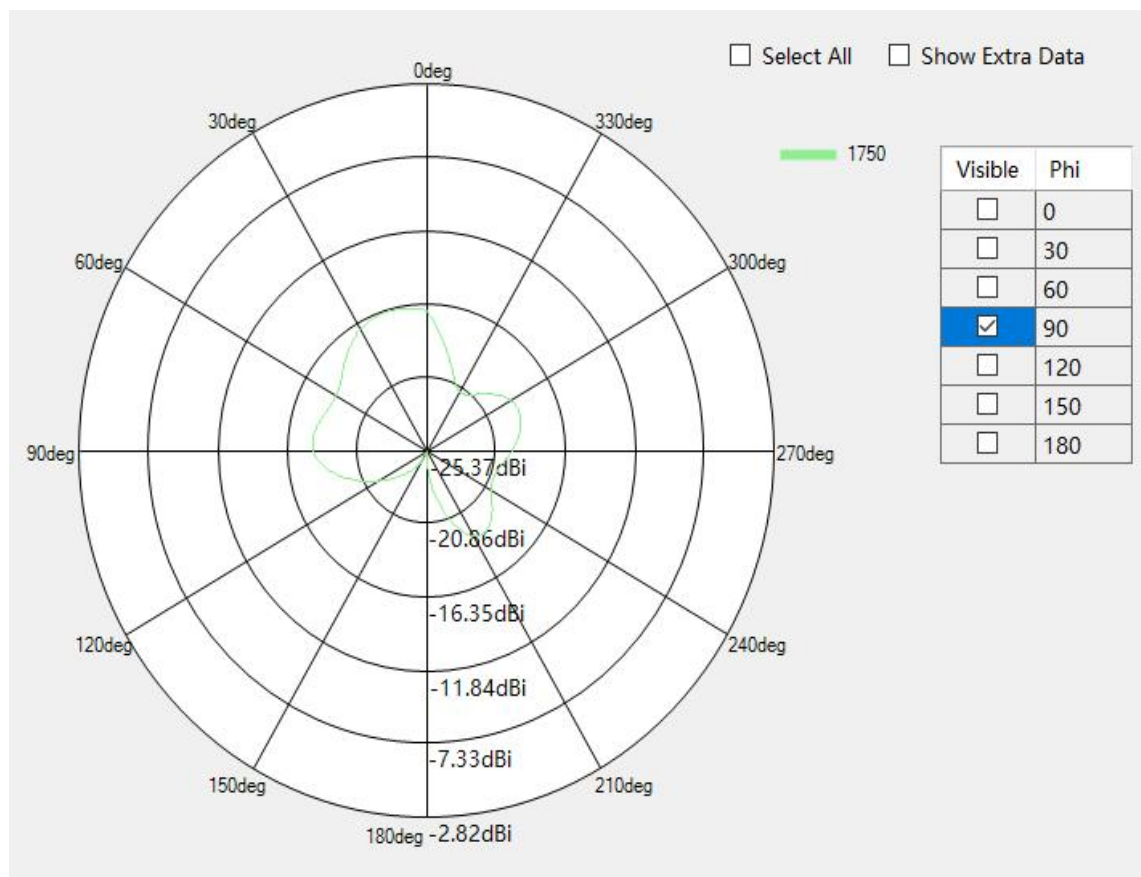
GSM900/W8/B8



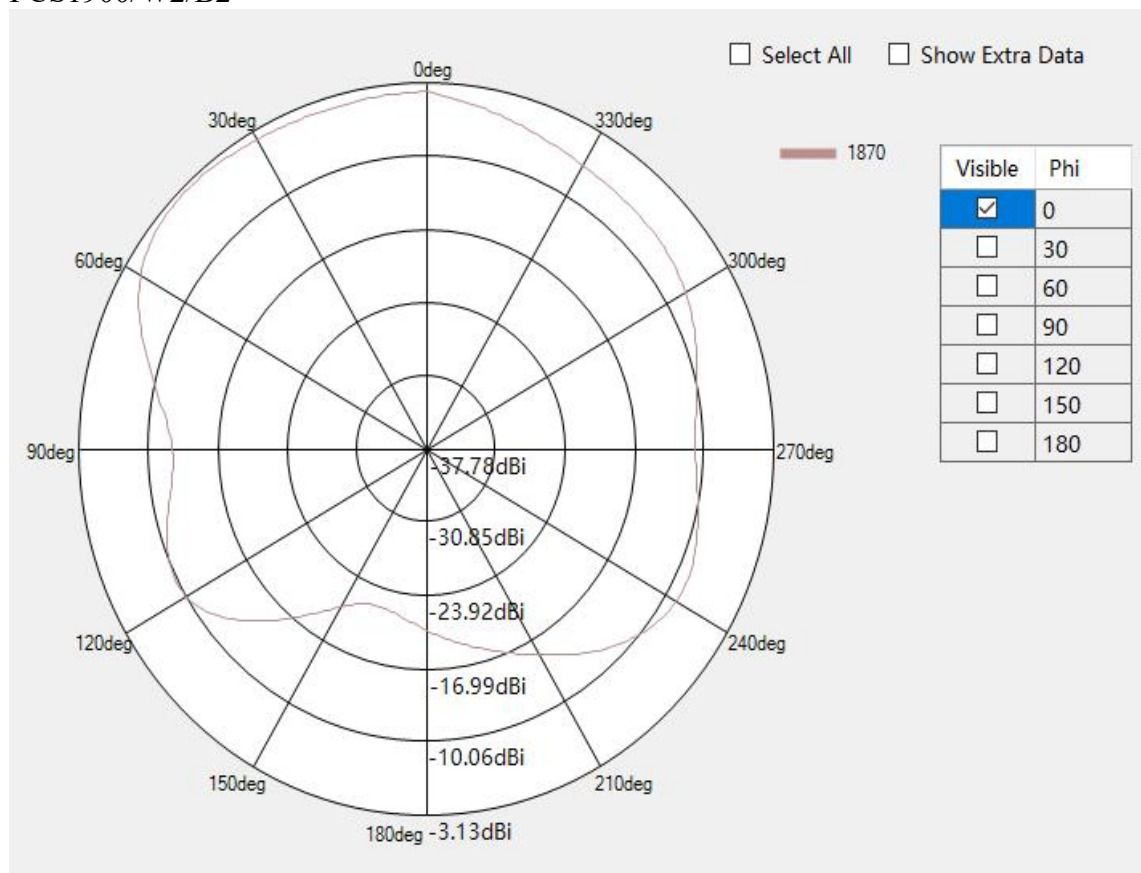


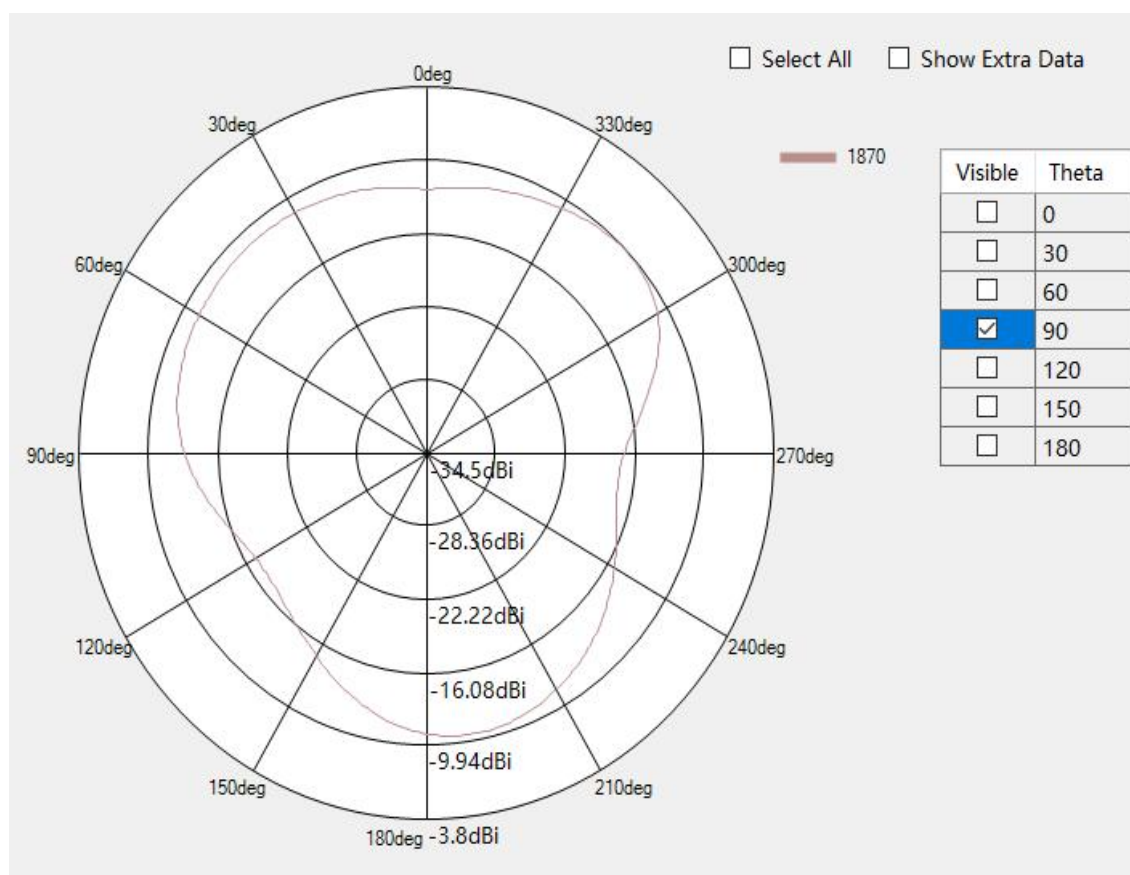
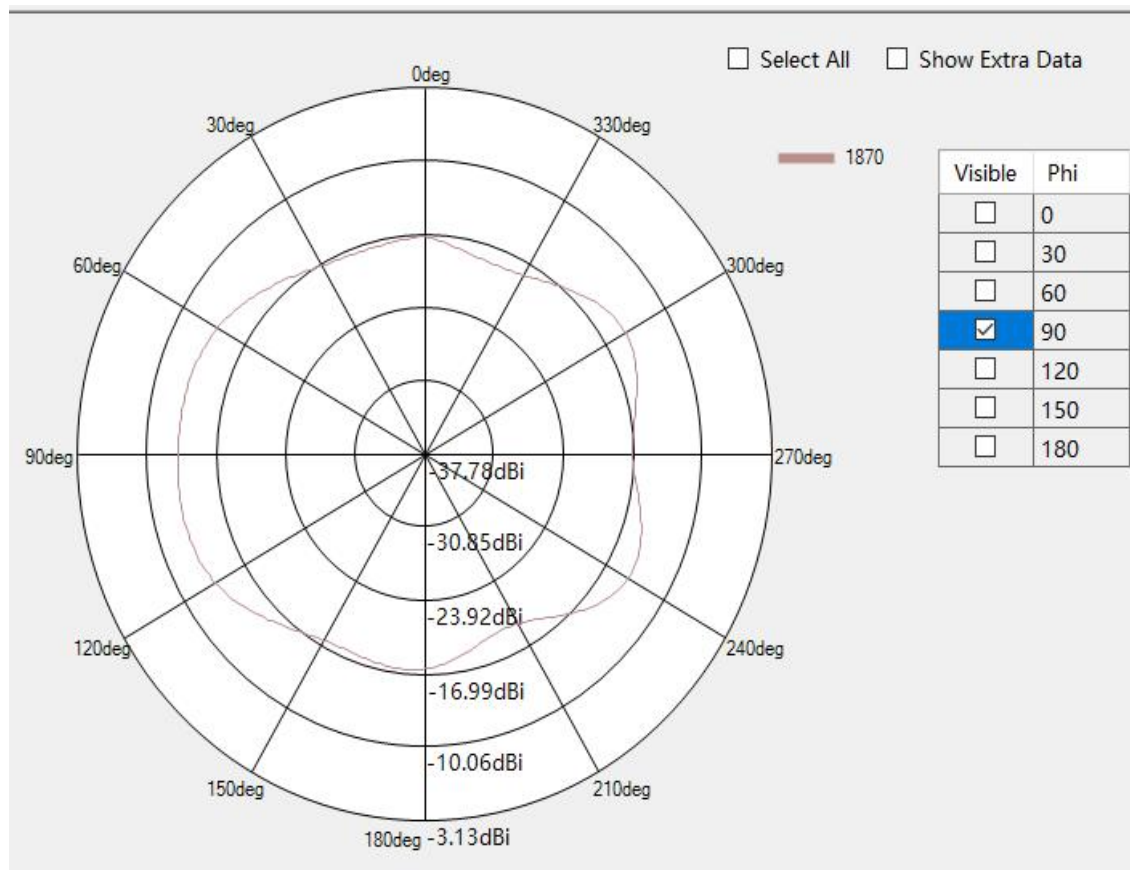
DCS1800/W4/B3/B4/B66



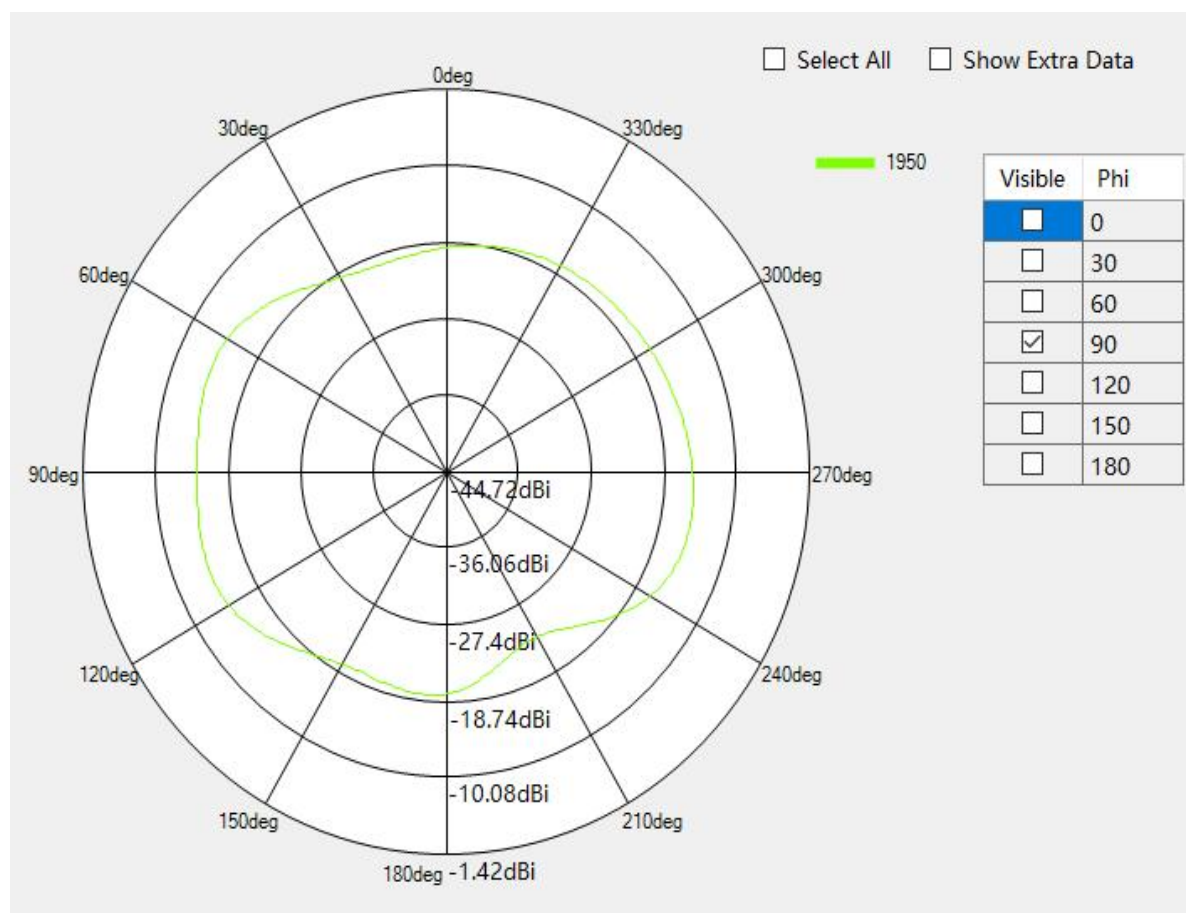
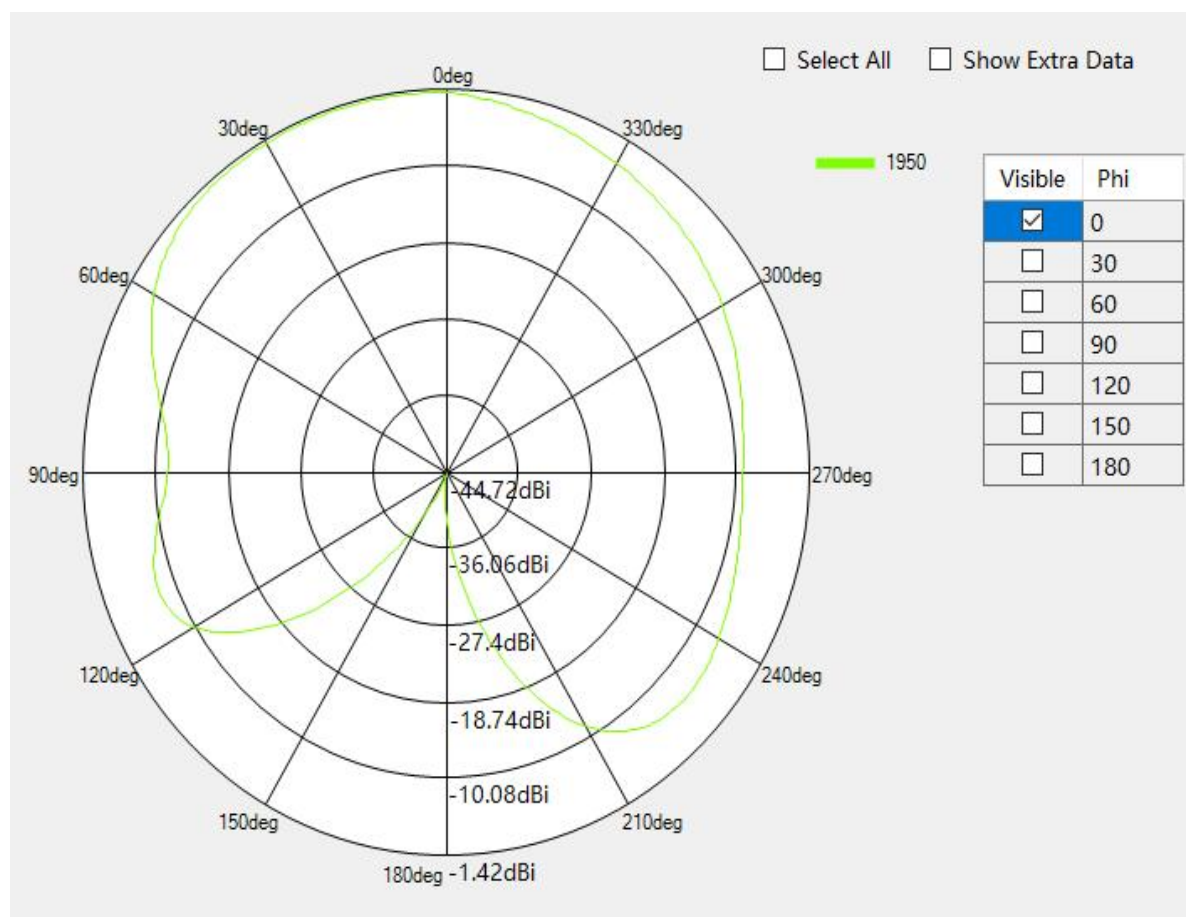


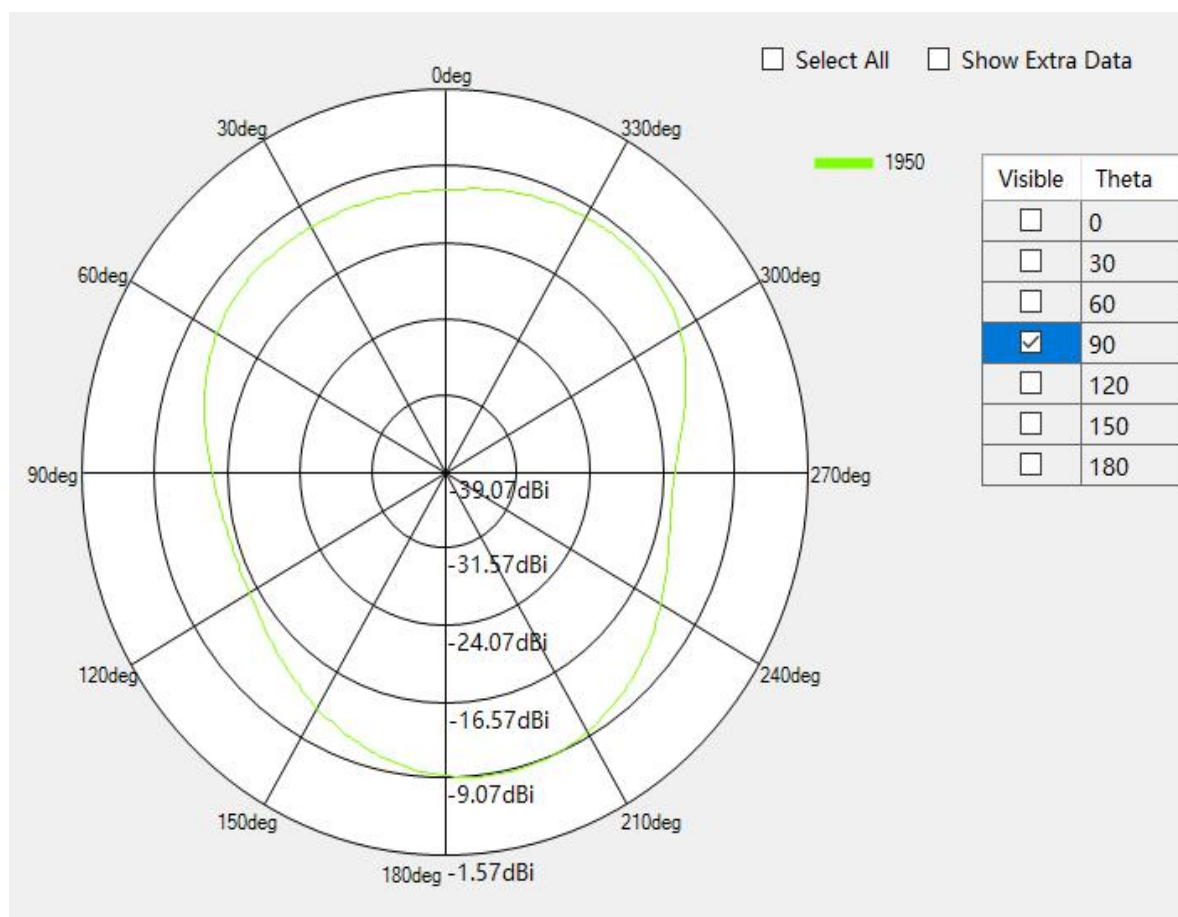
PCS1900/W2/B2



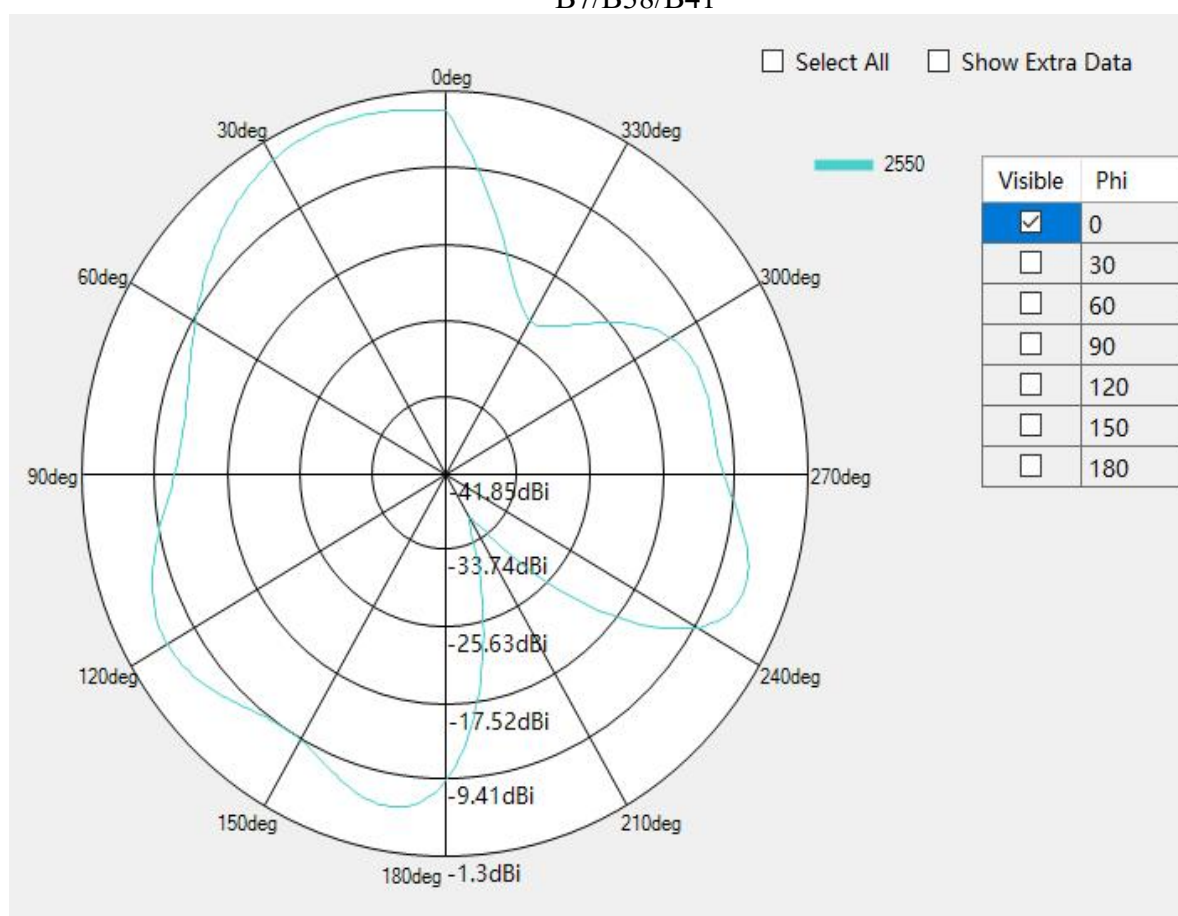


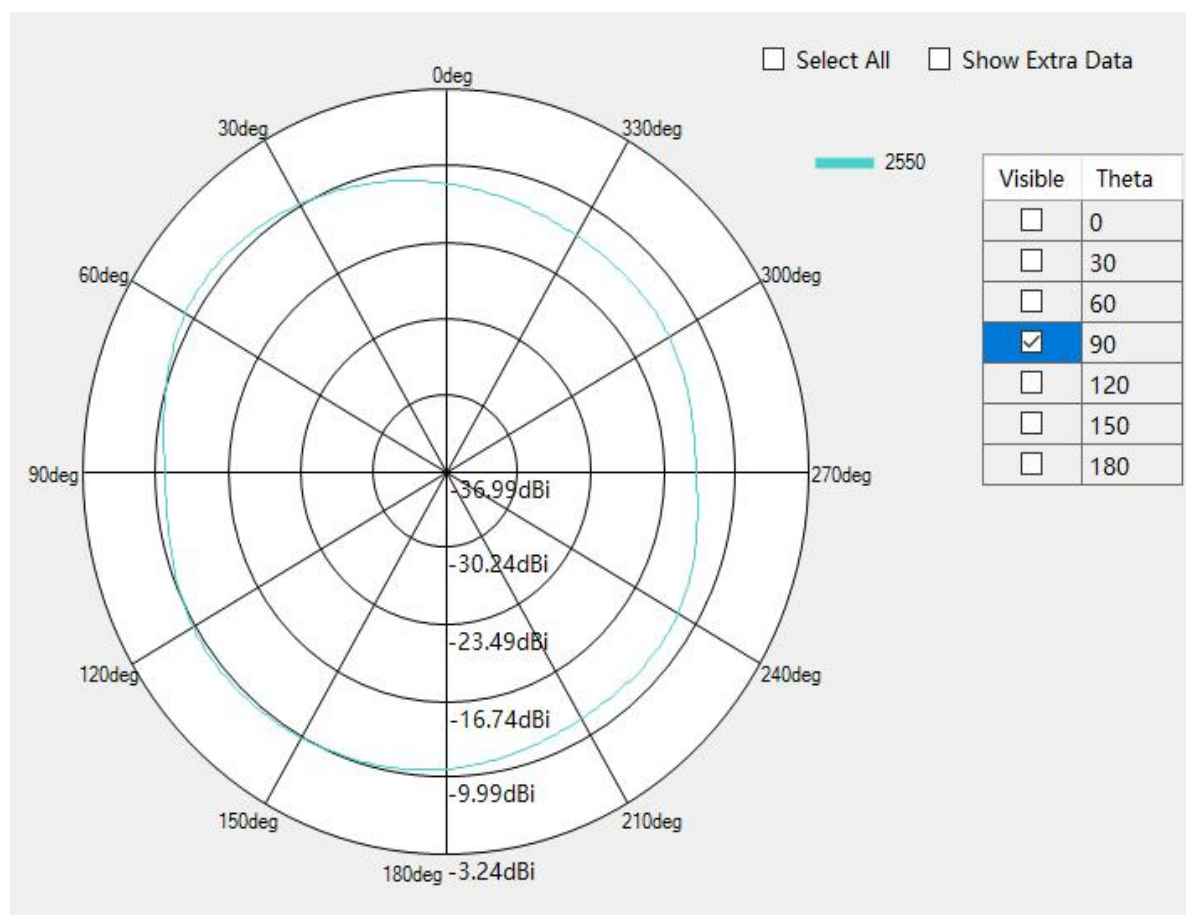
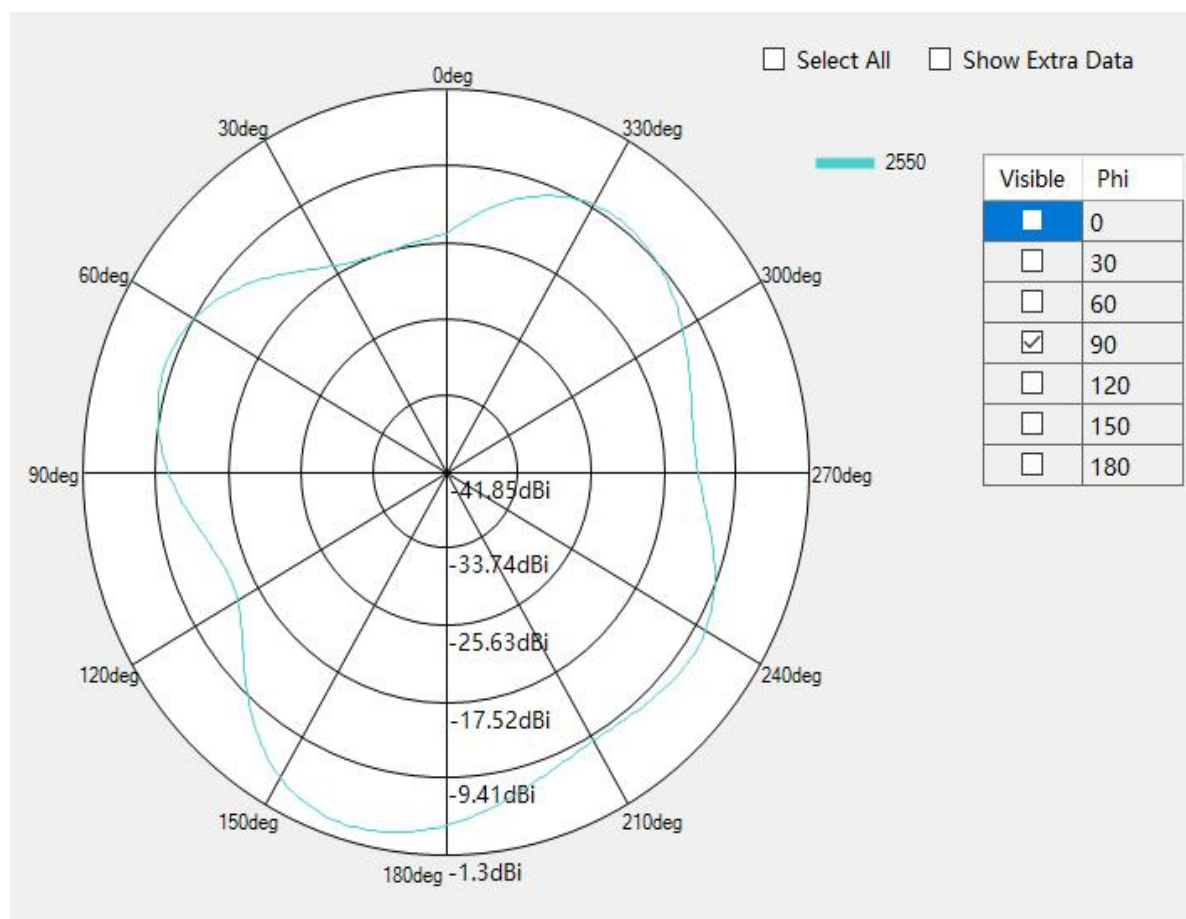
W1/B1



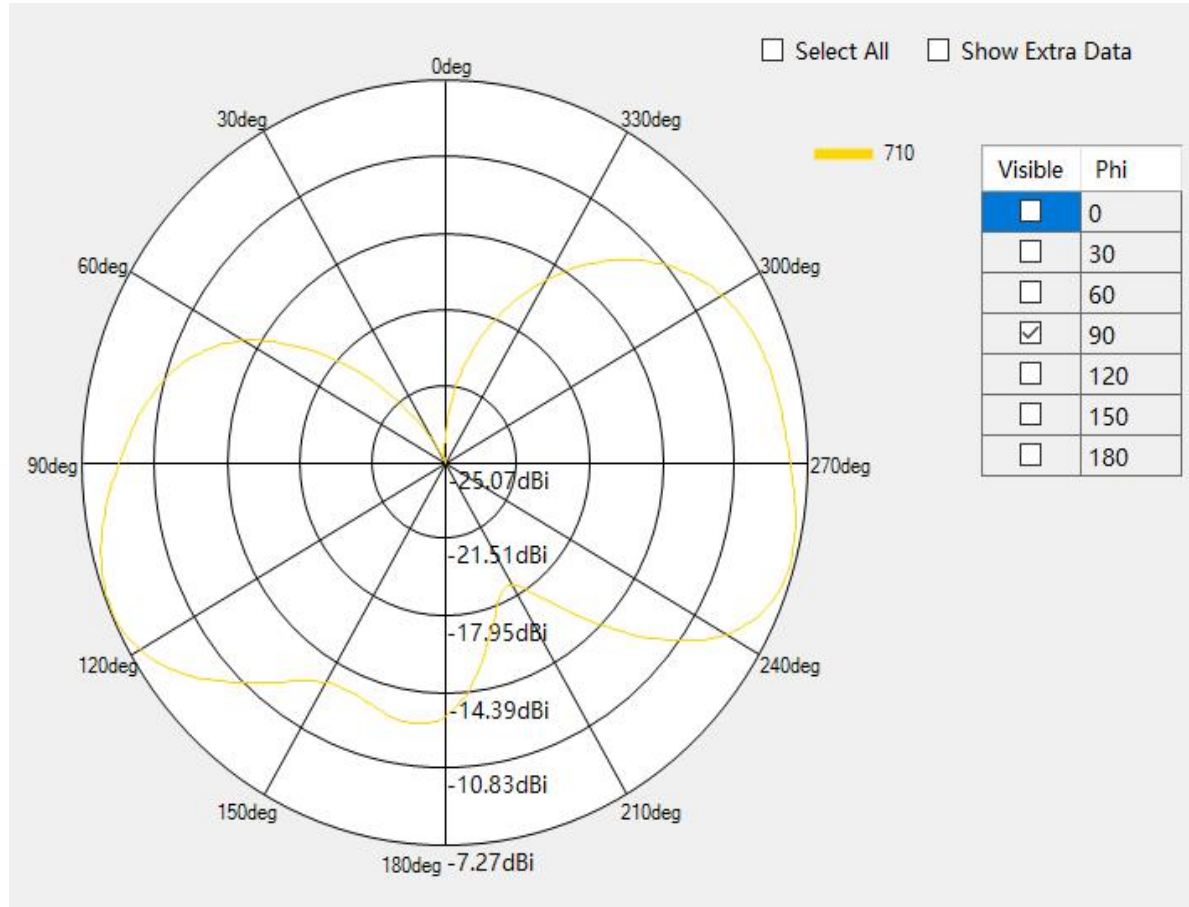
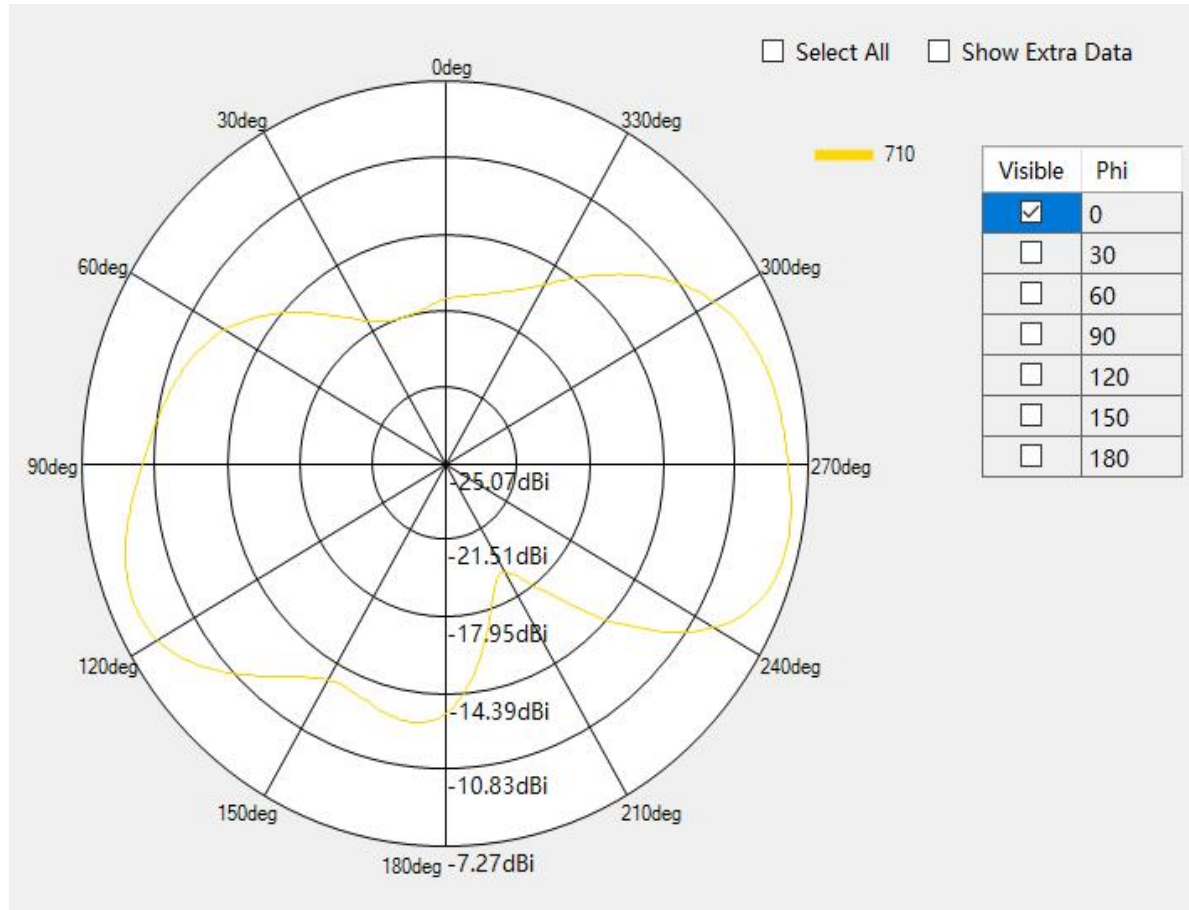


B7/B38/B41



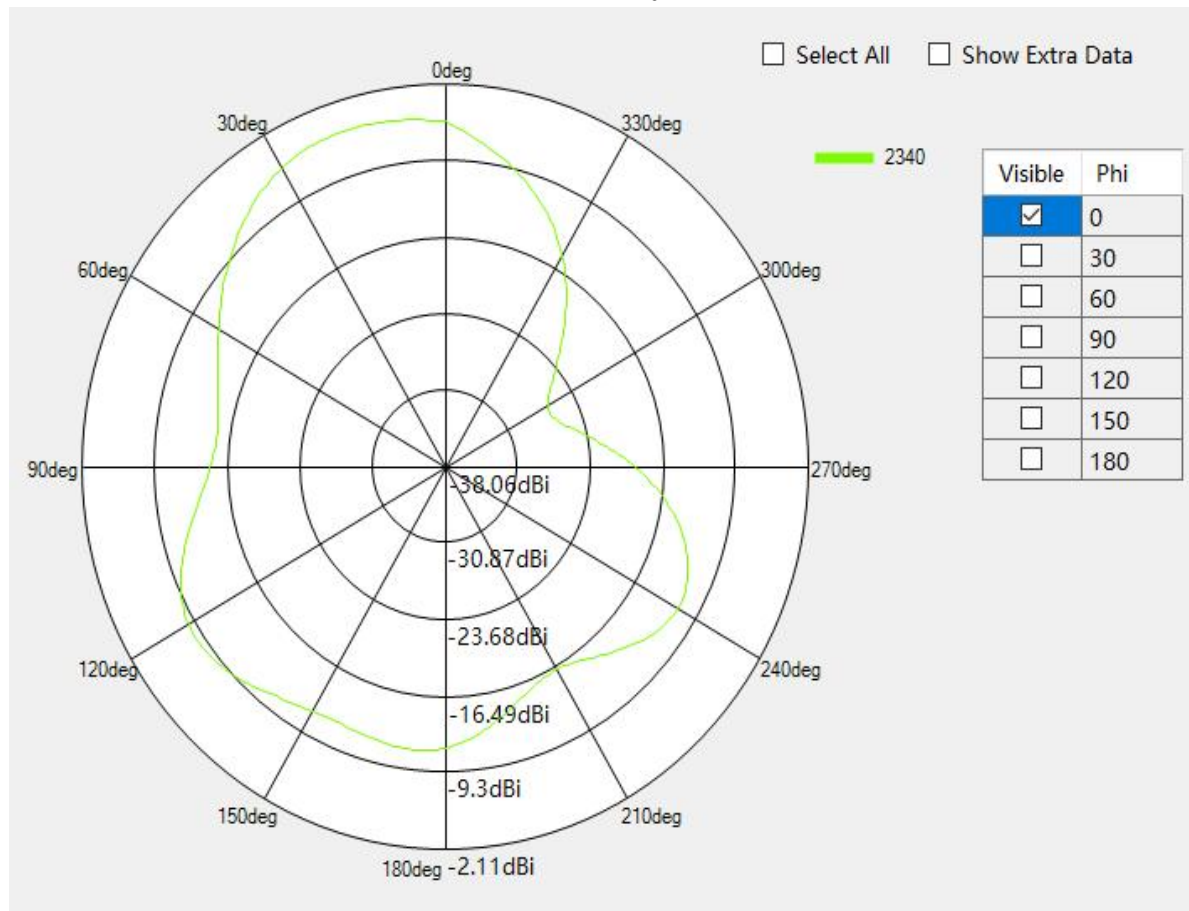


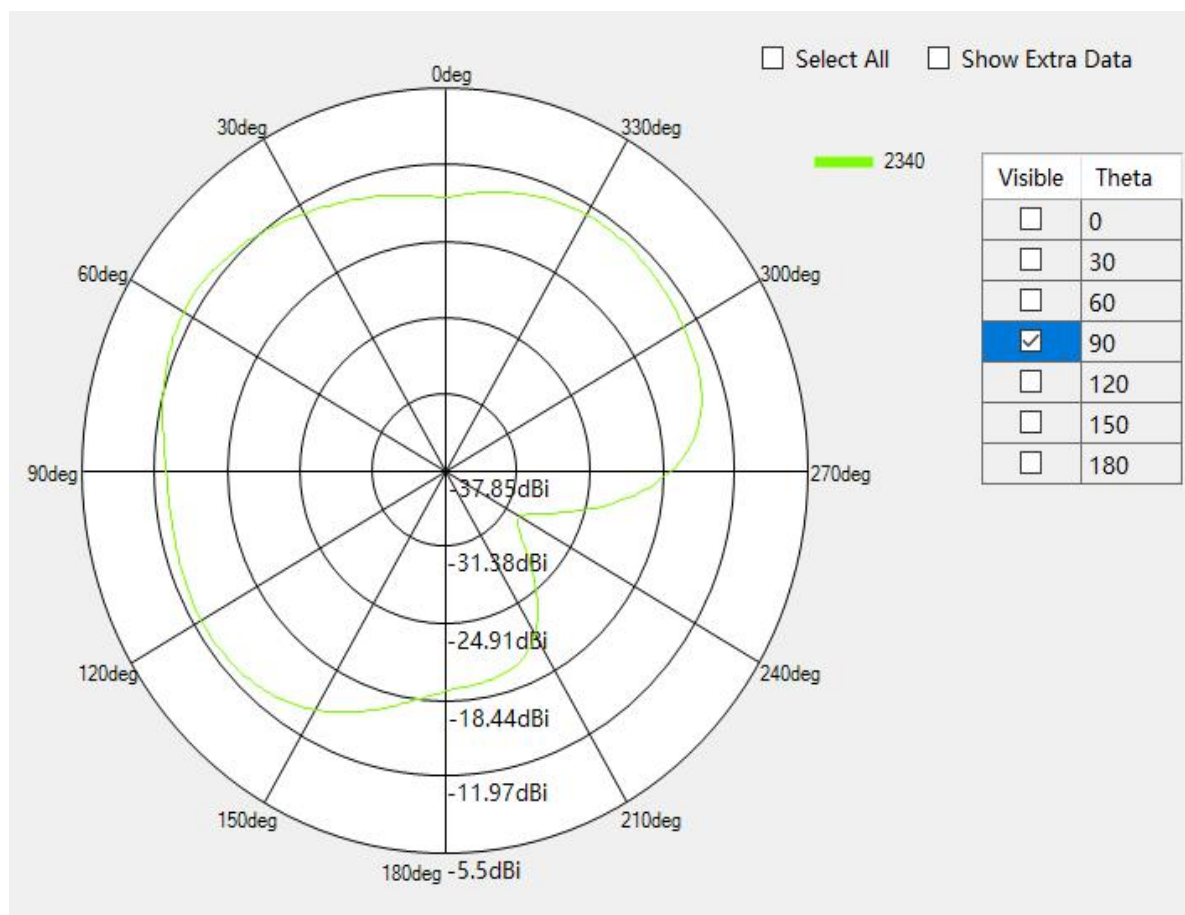
B12/B17/B28A/B28B



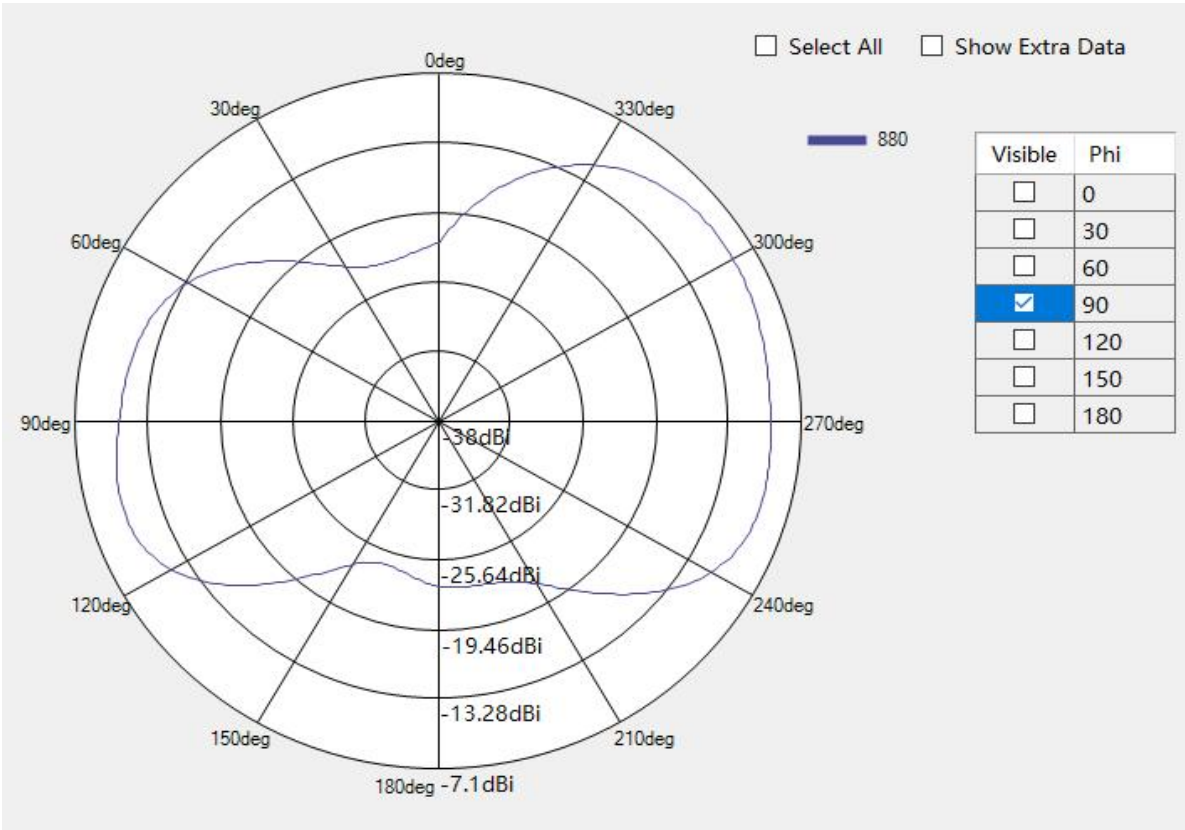
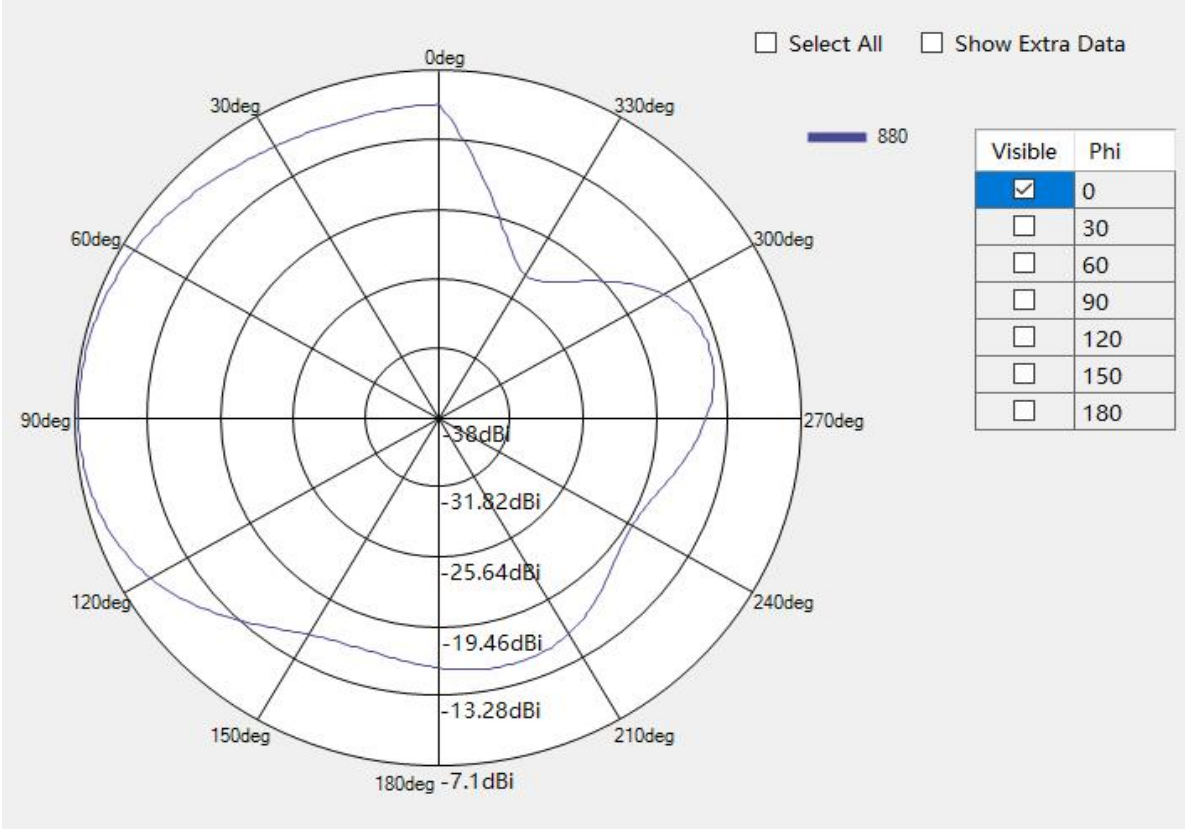


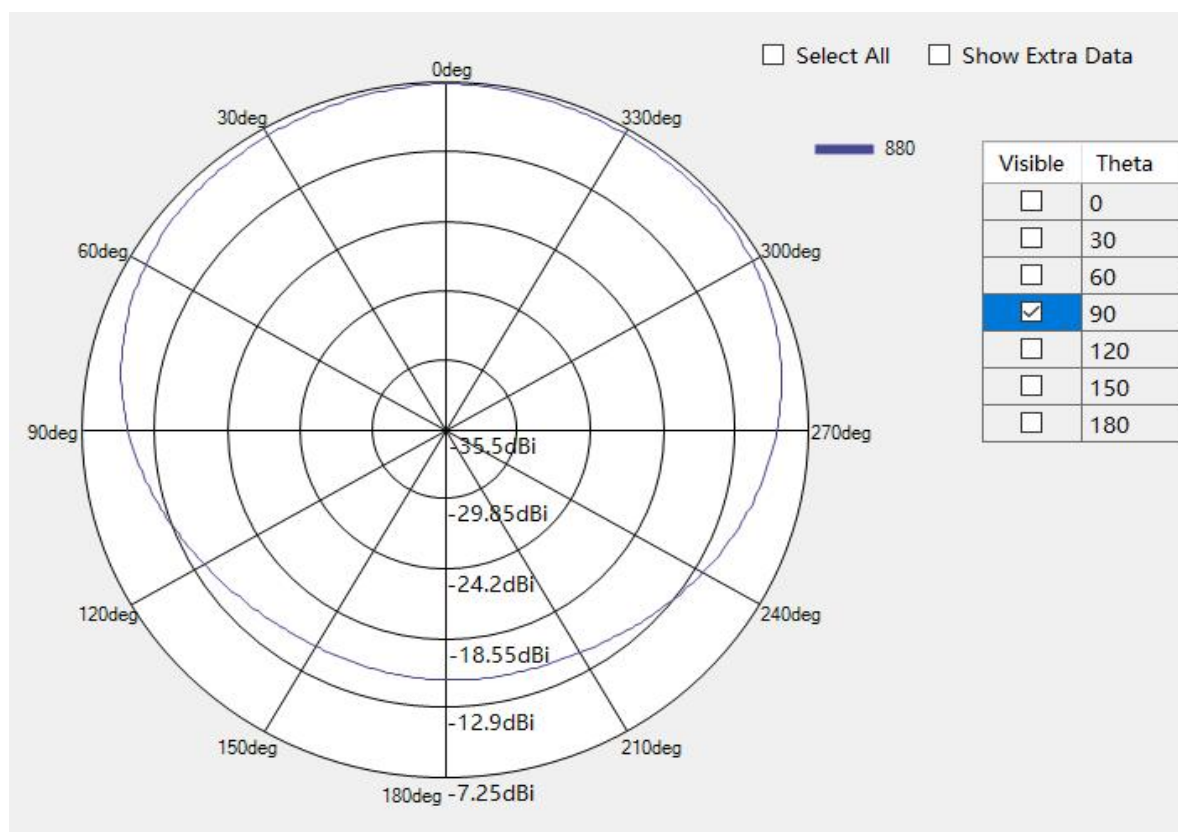
B40



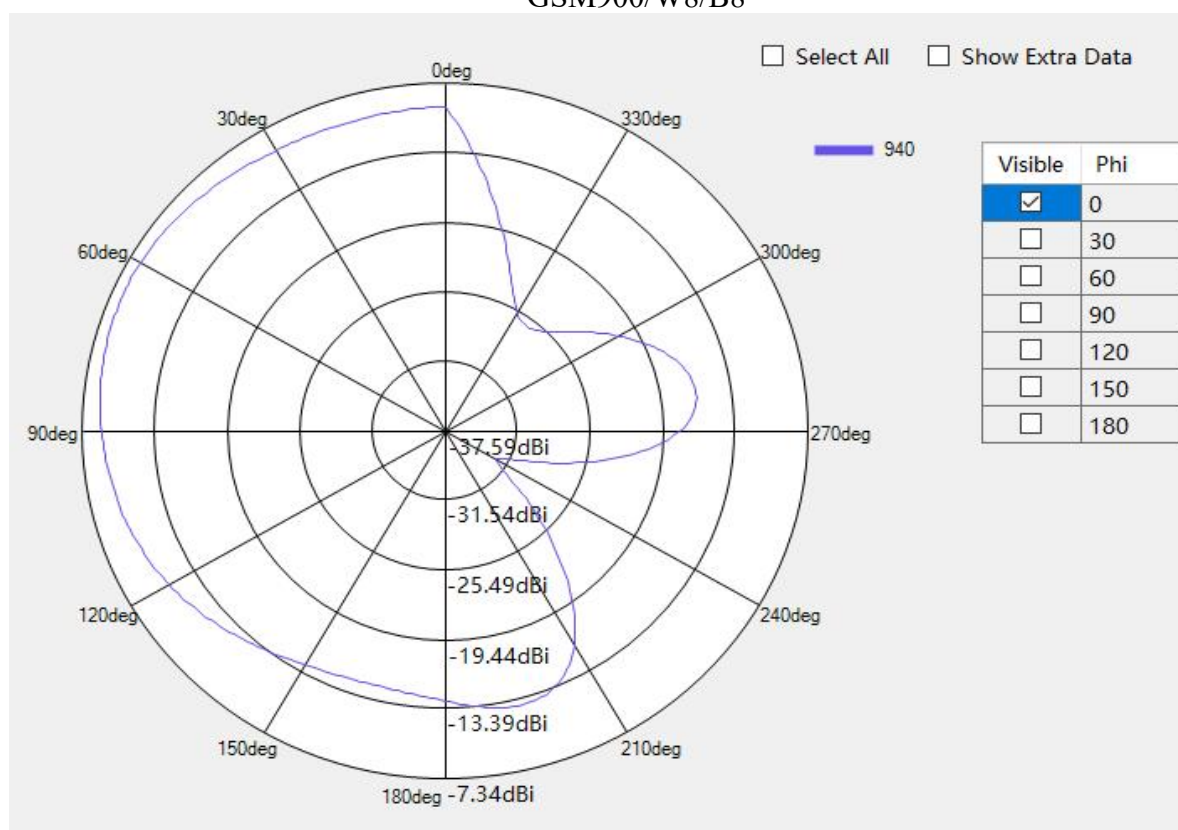


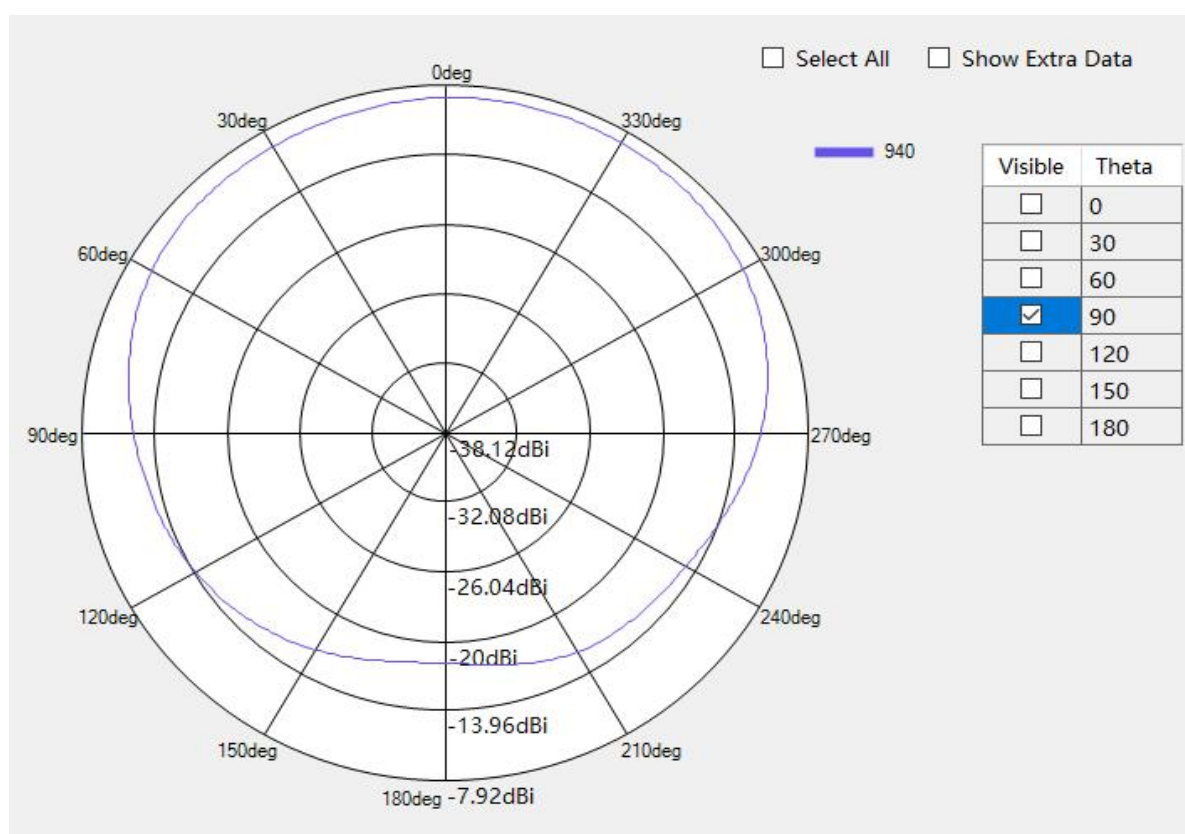
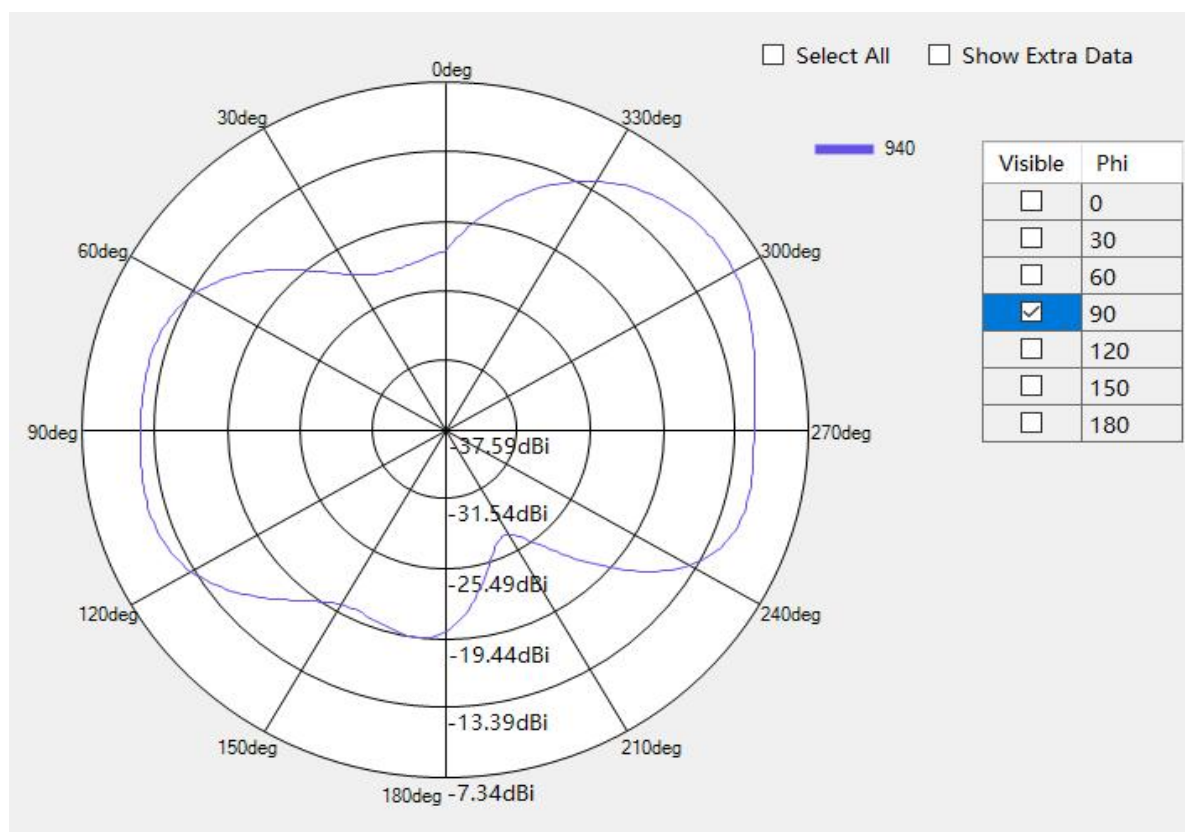
Div Antenna
GSM850/W5/B5/B26



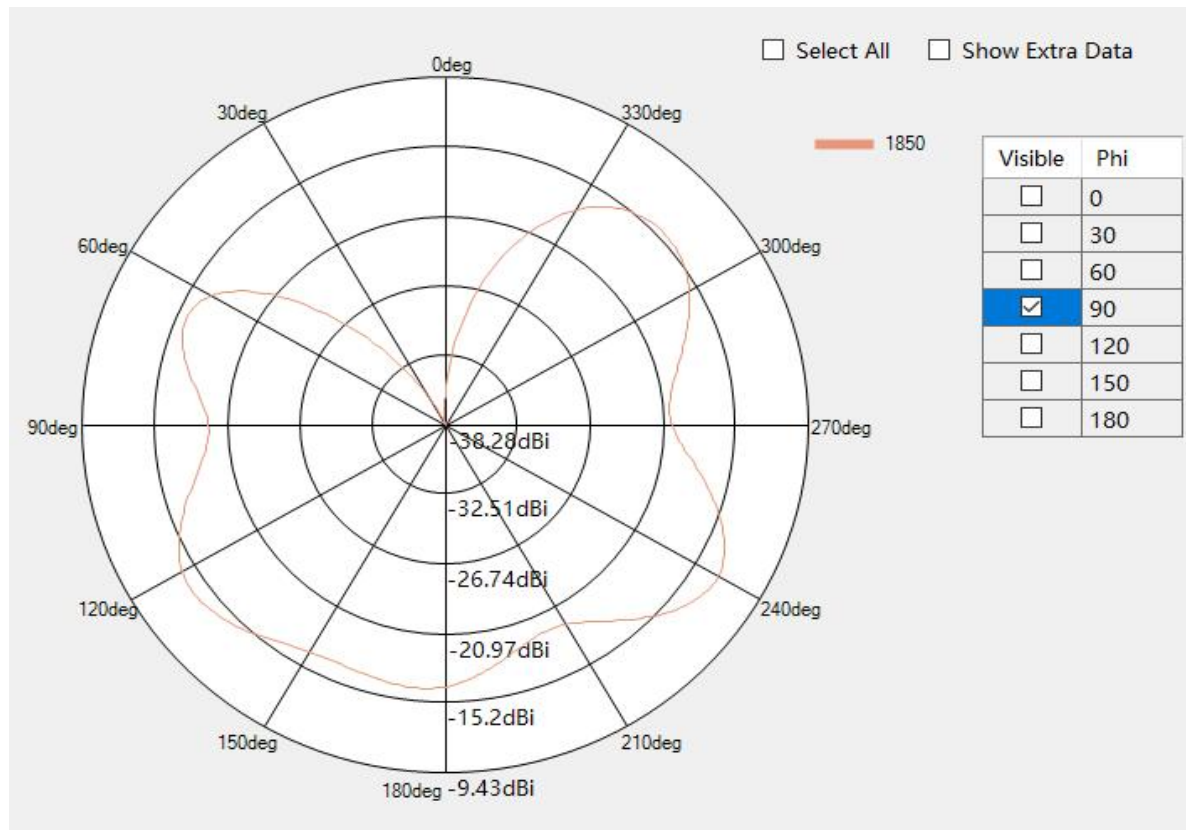
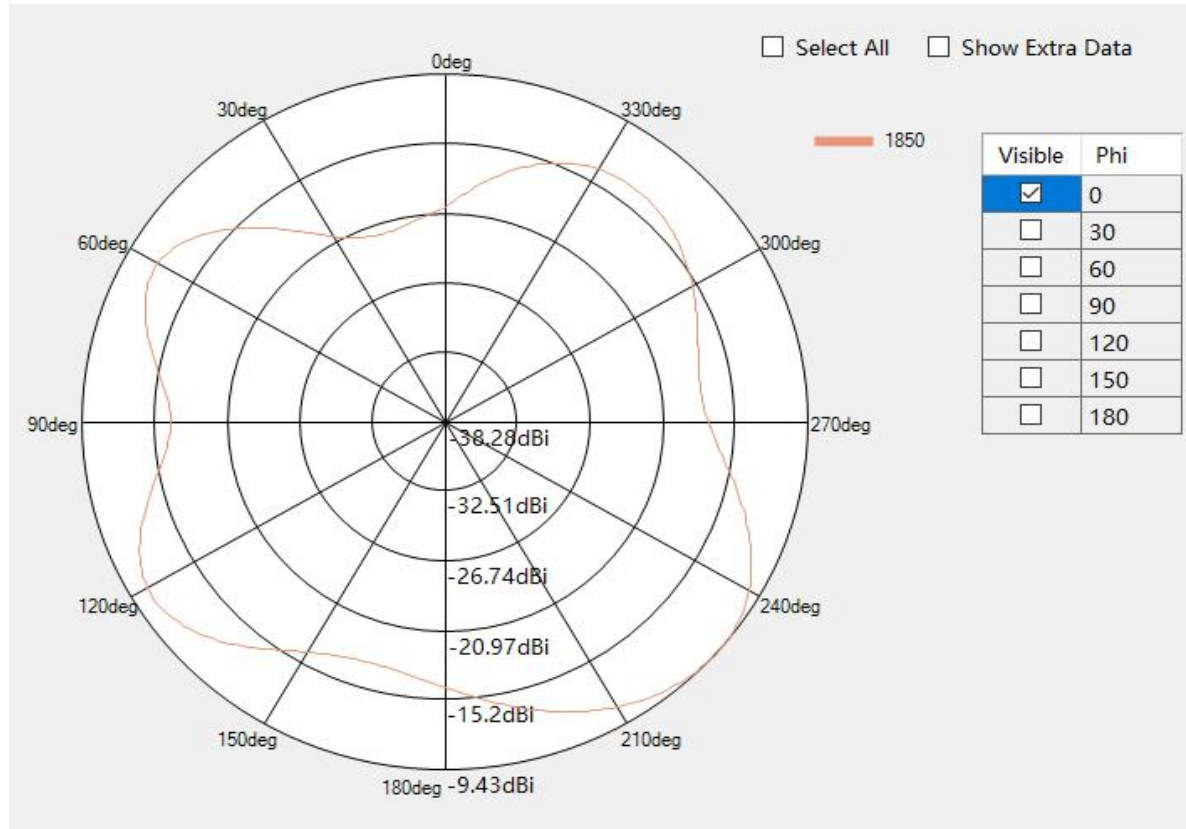


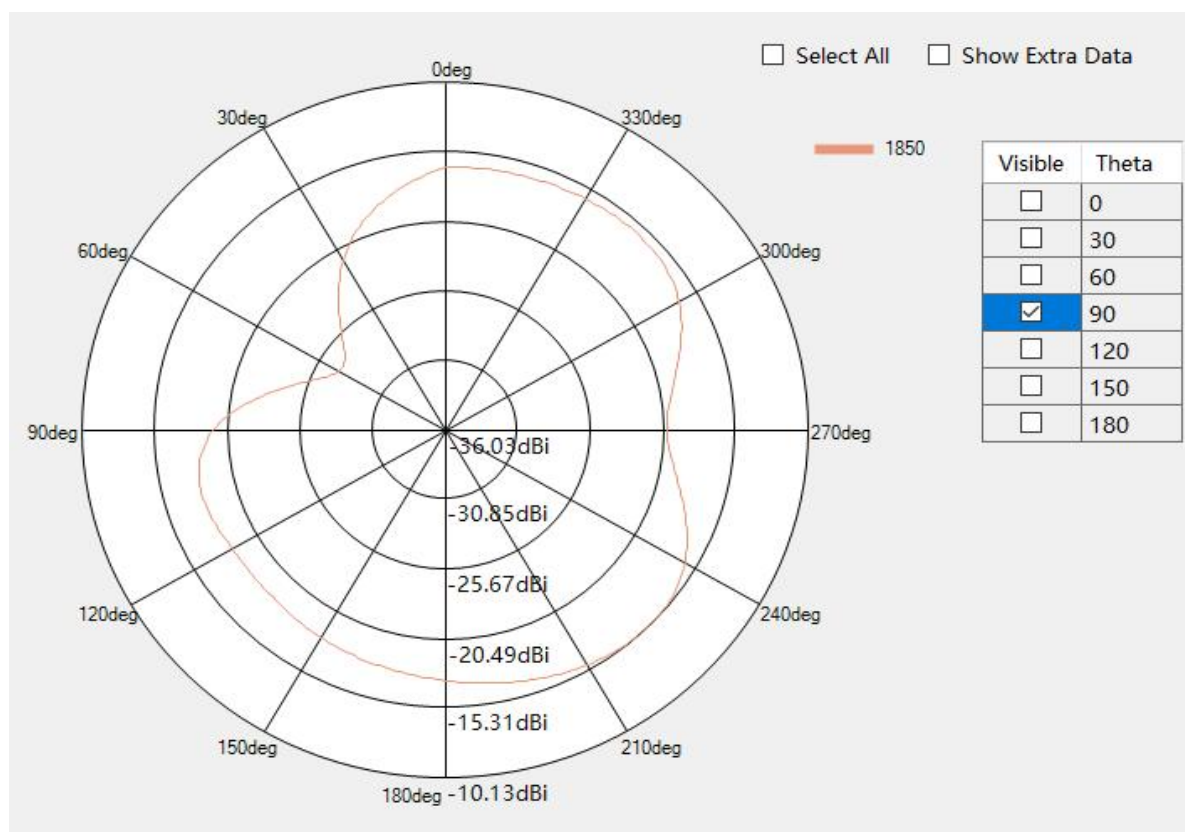
GSM900/W8/B8



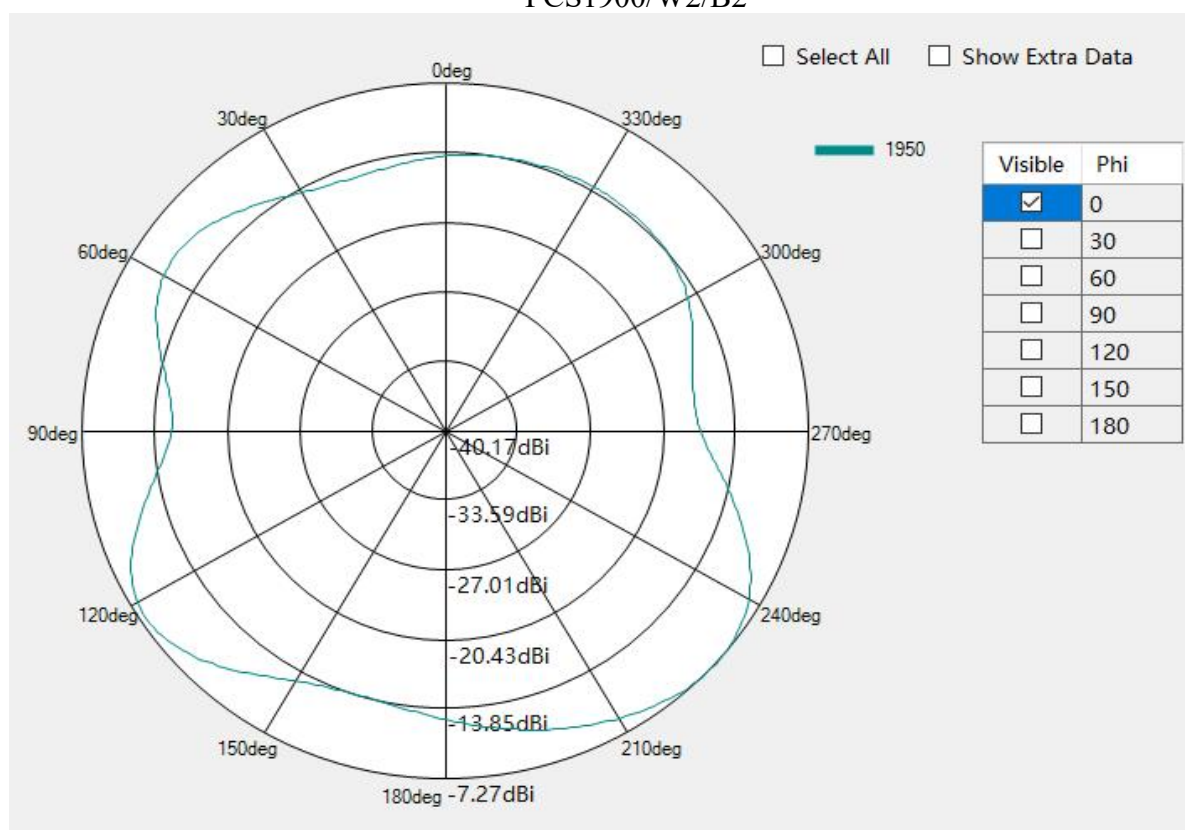


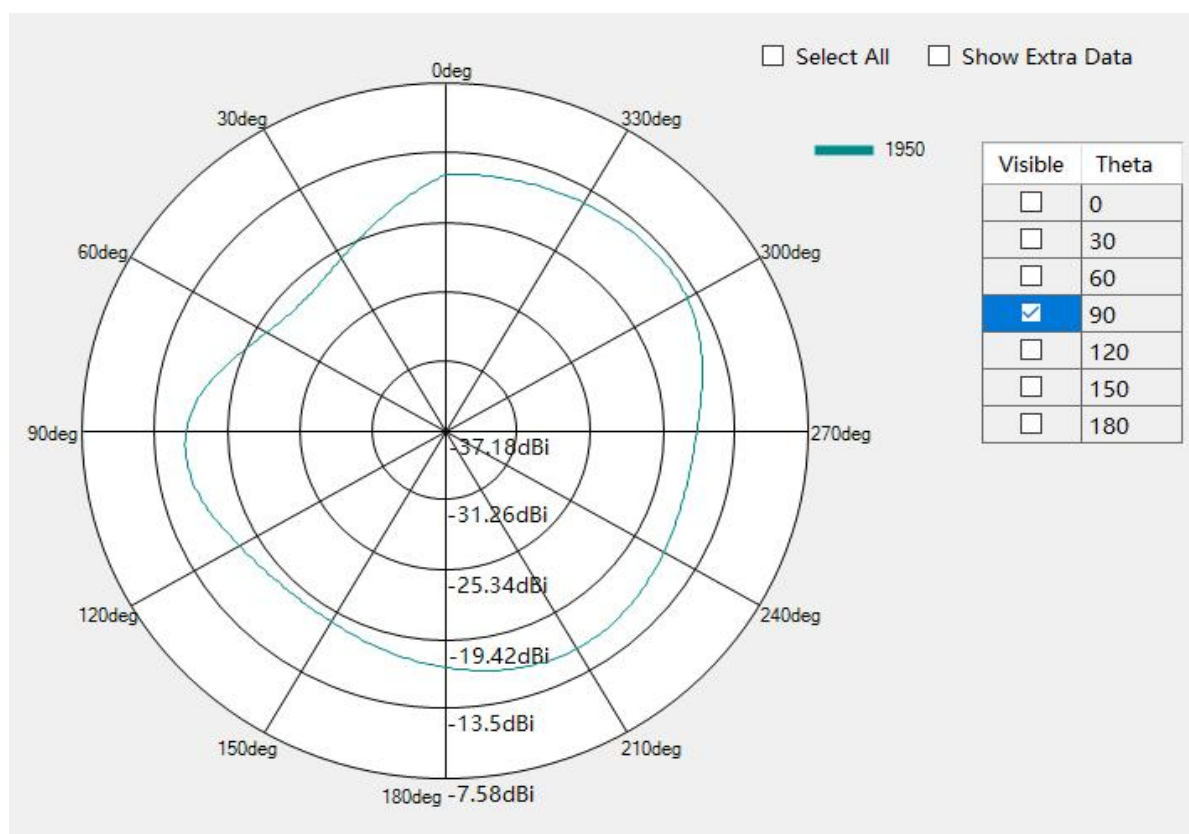
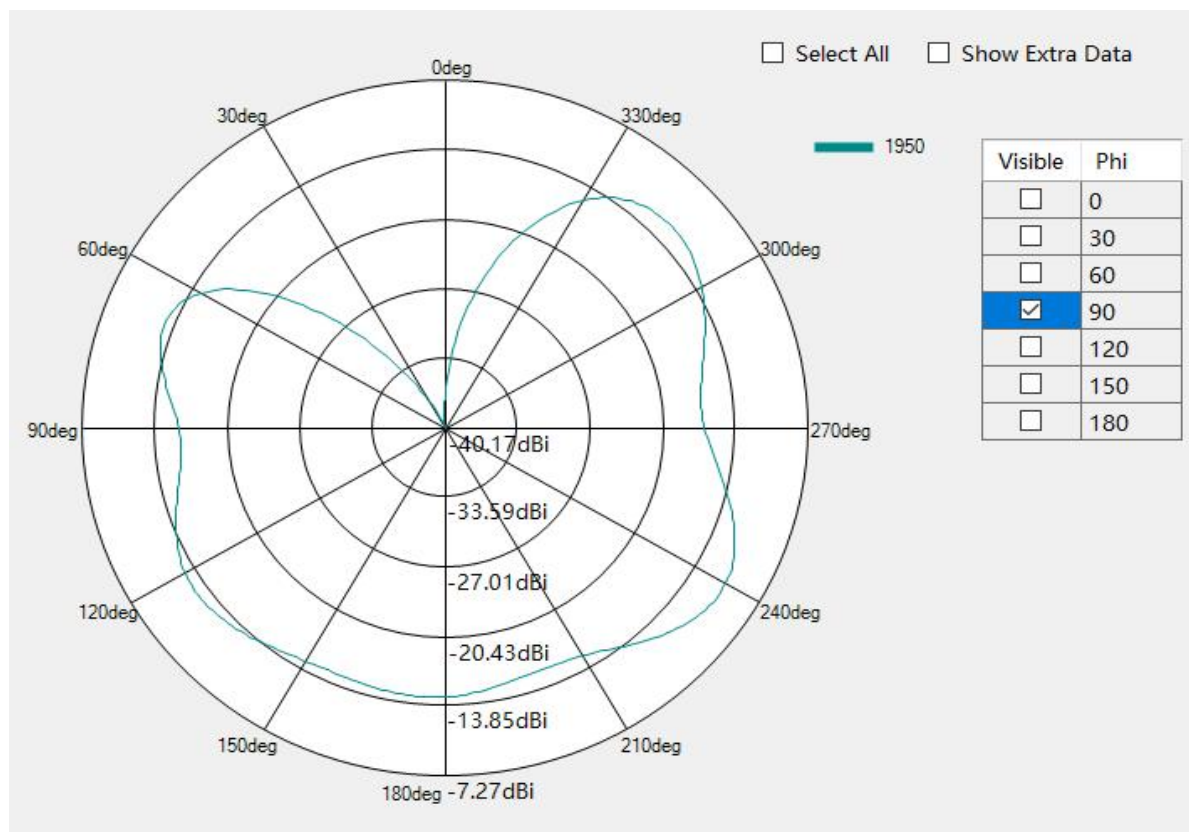
DCS1800/B3



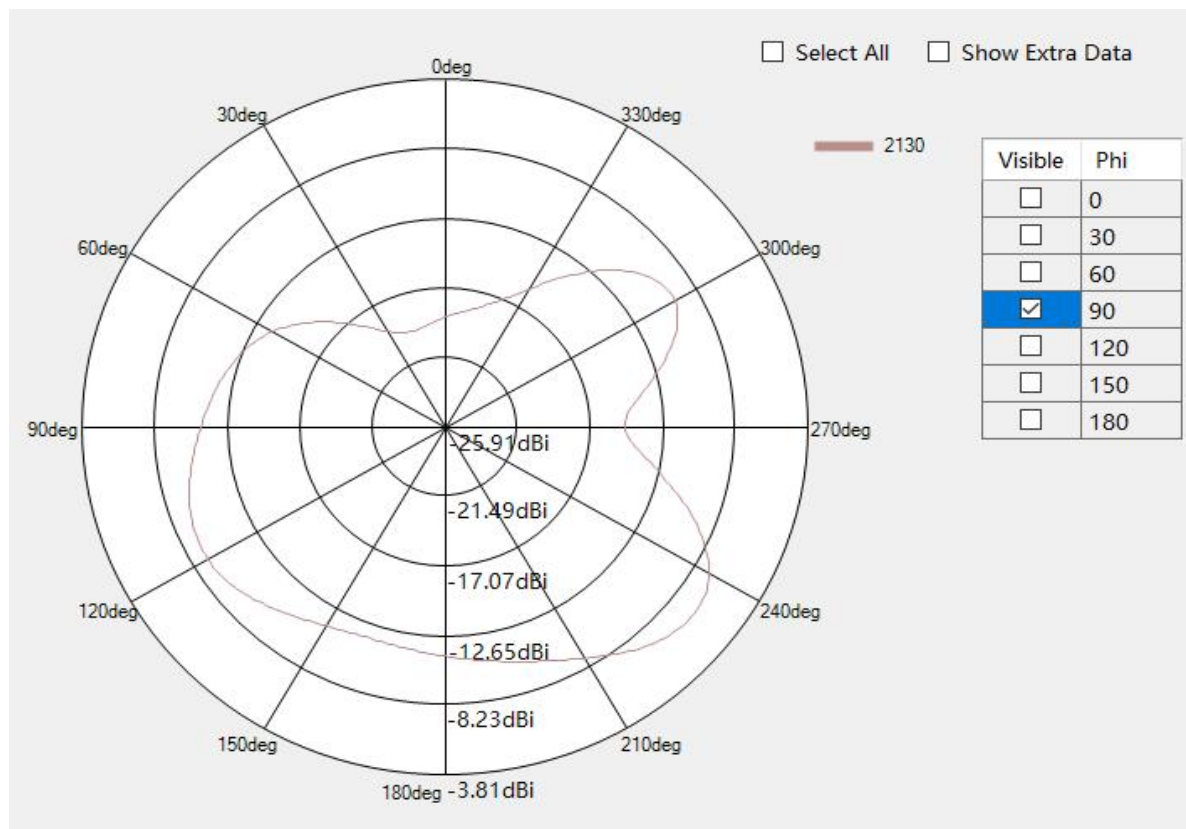
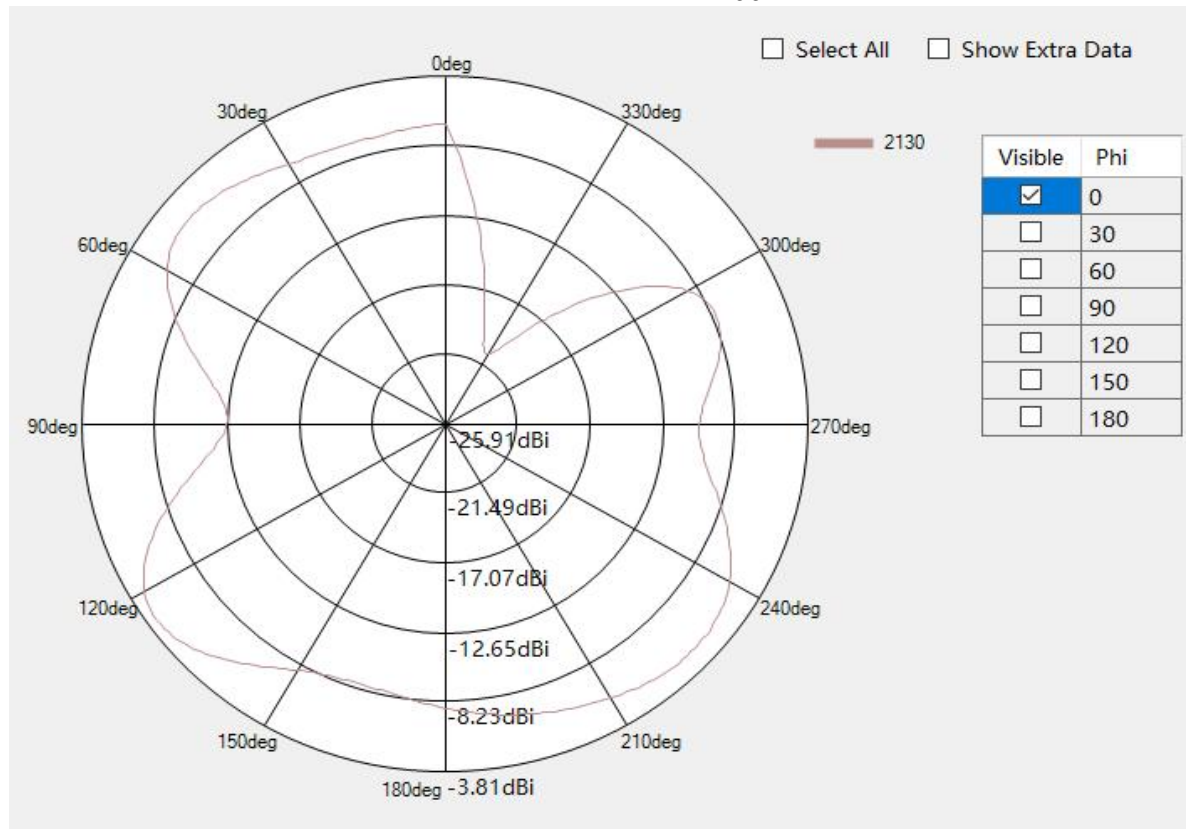


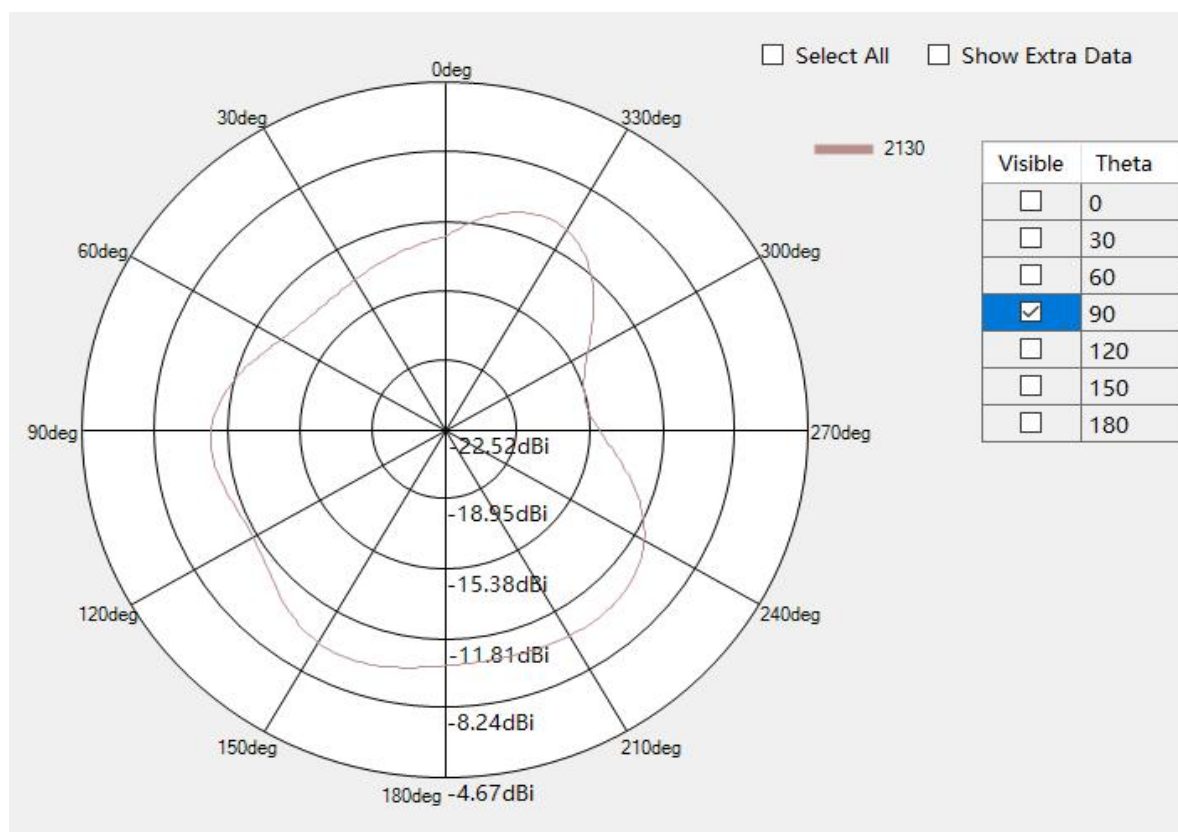
PCS1900/W2/B2



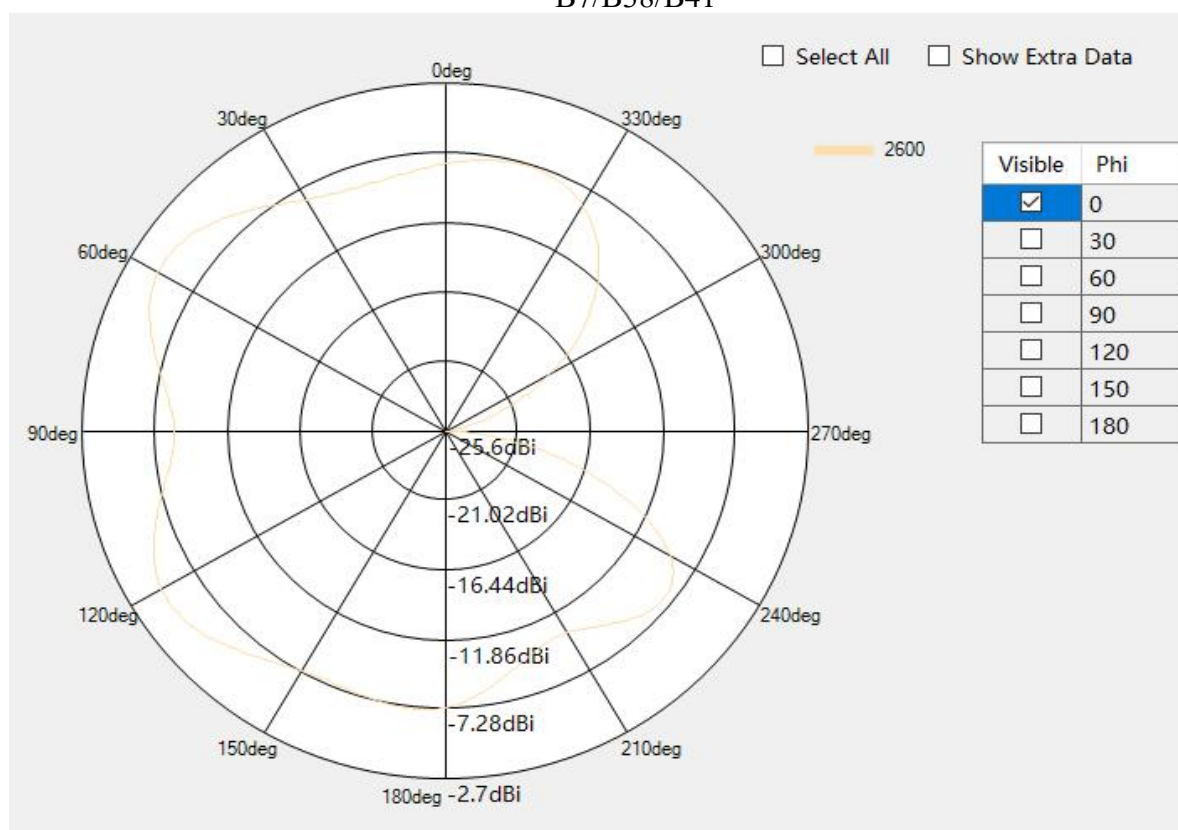


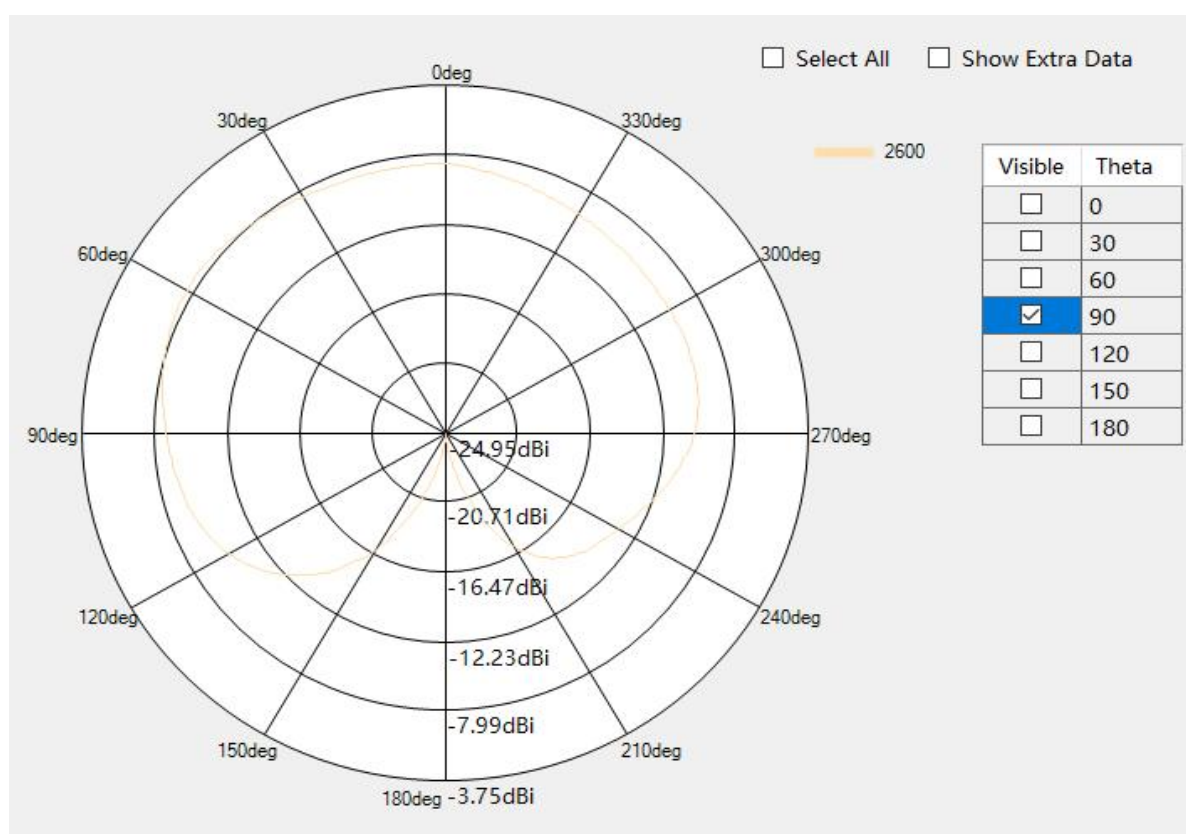
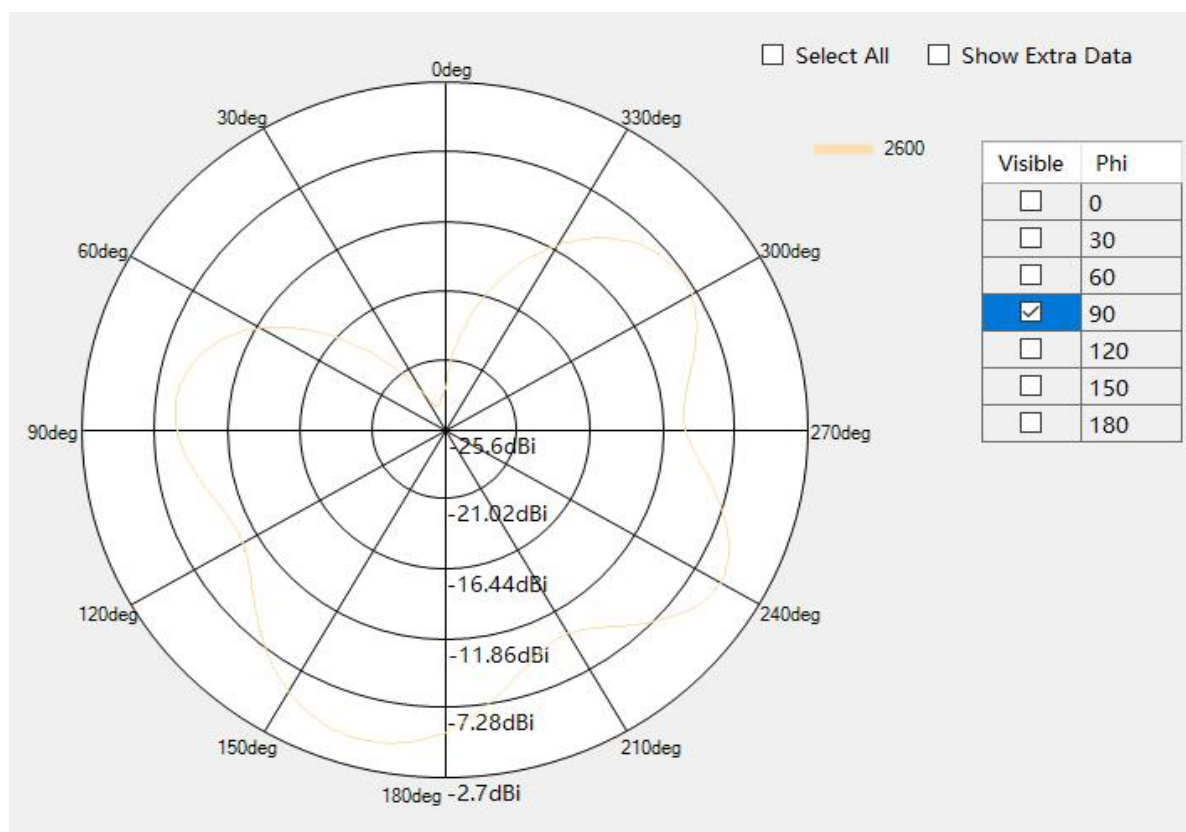
W1/W4/B1/B4/B66



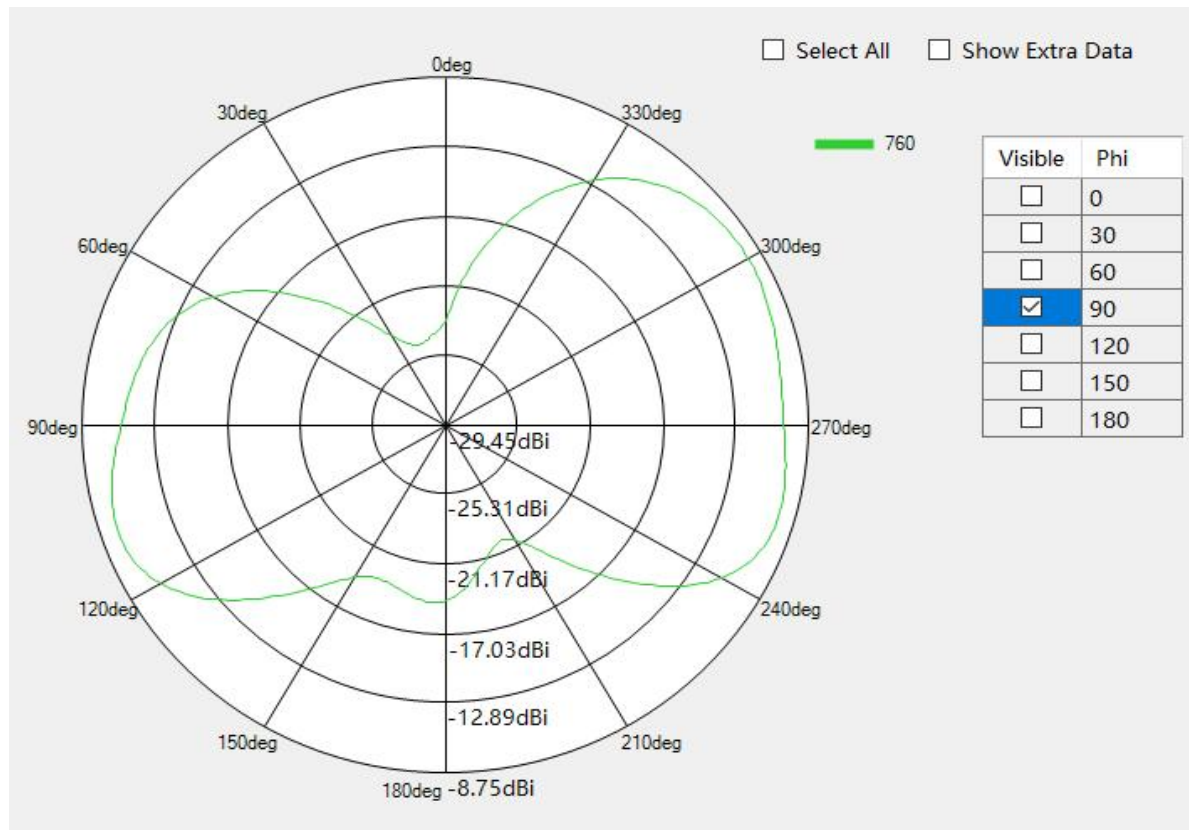
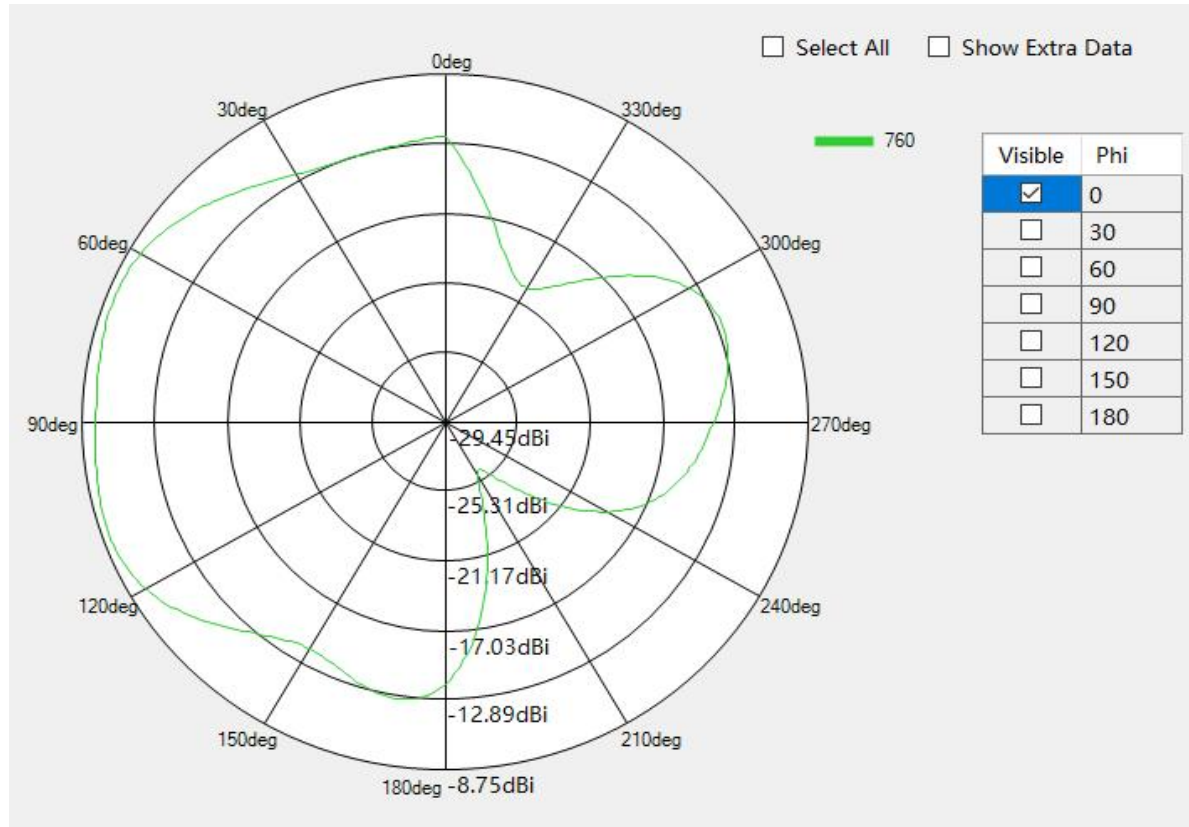


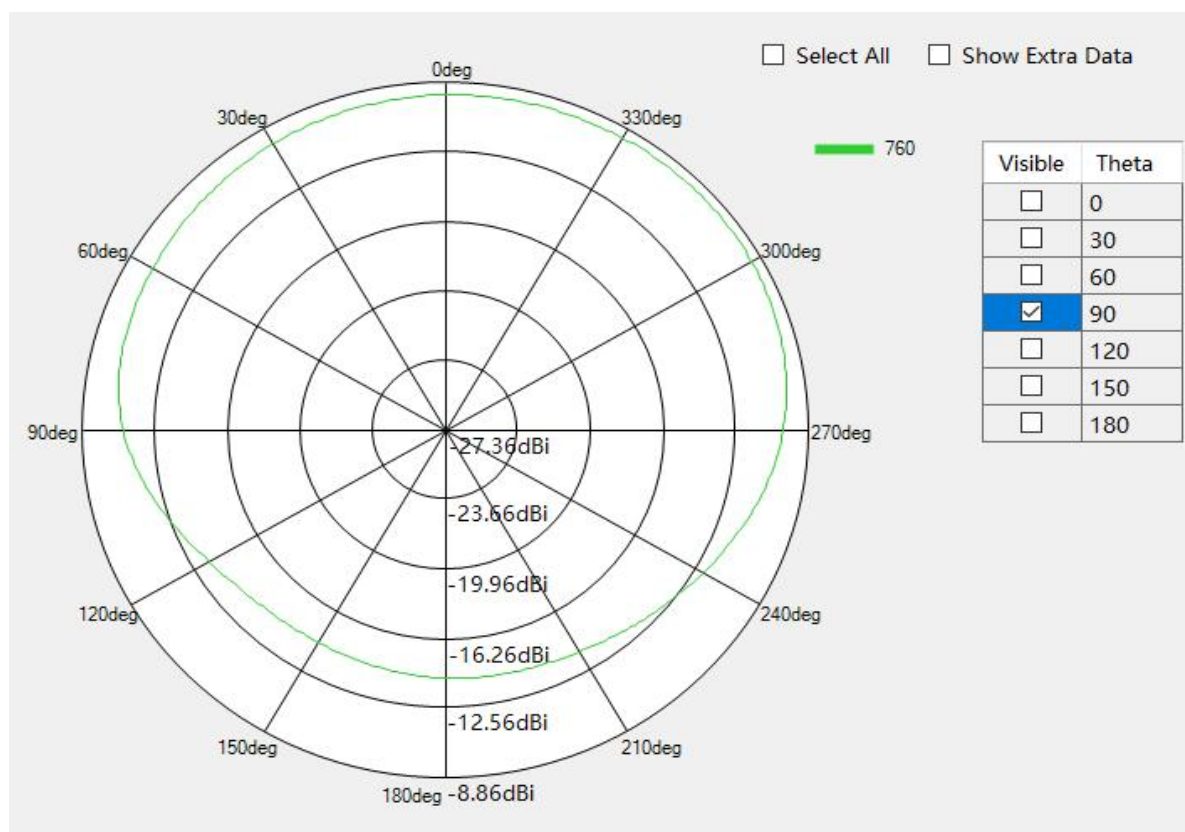
B7/B38/B41



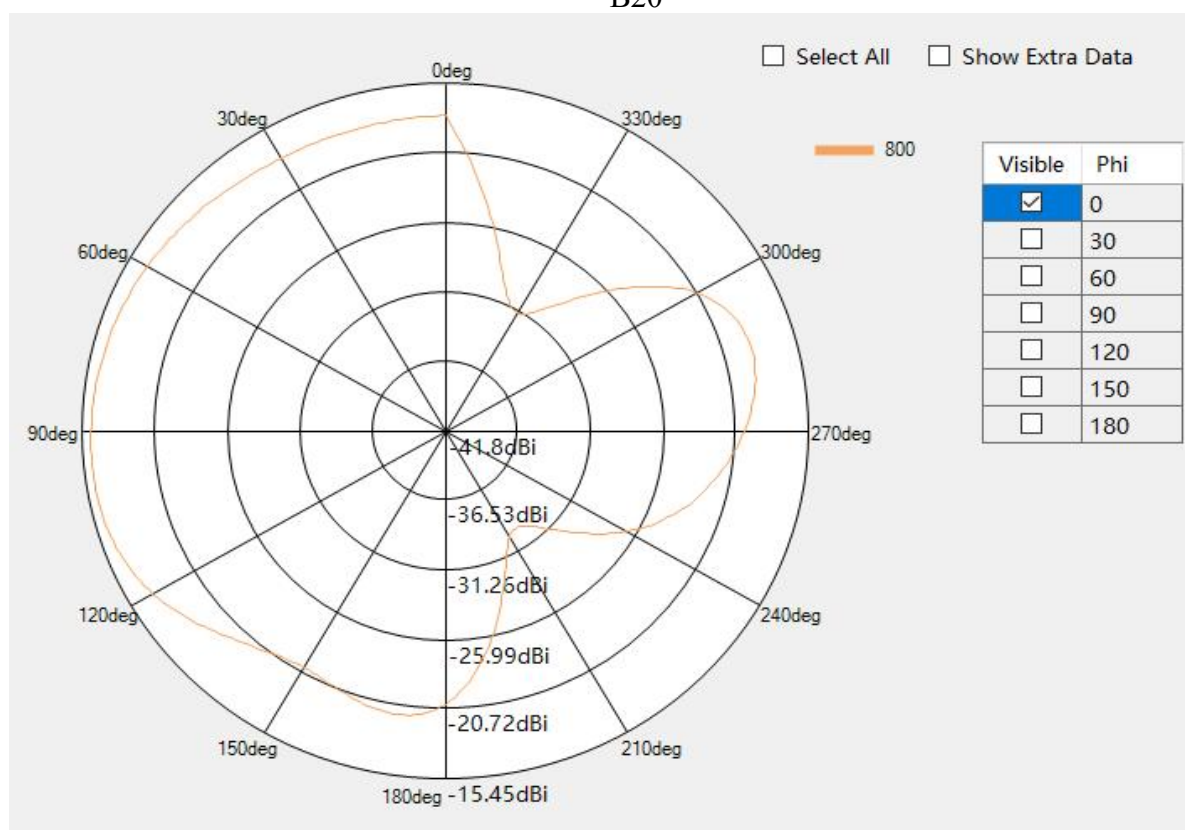


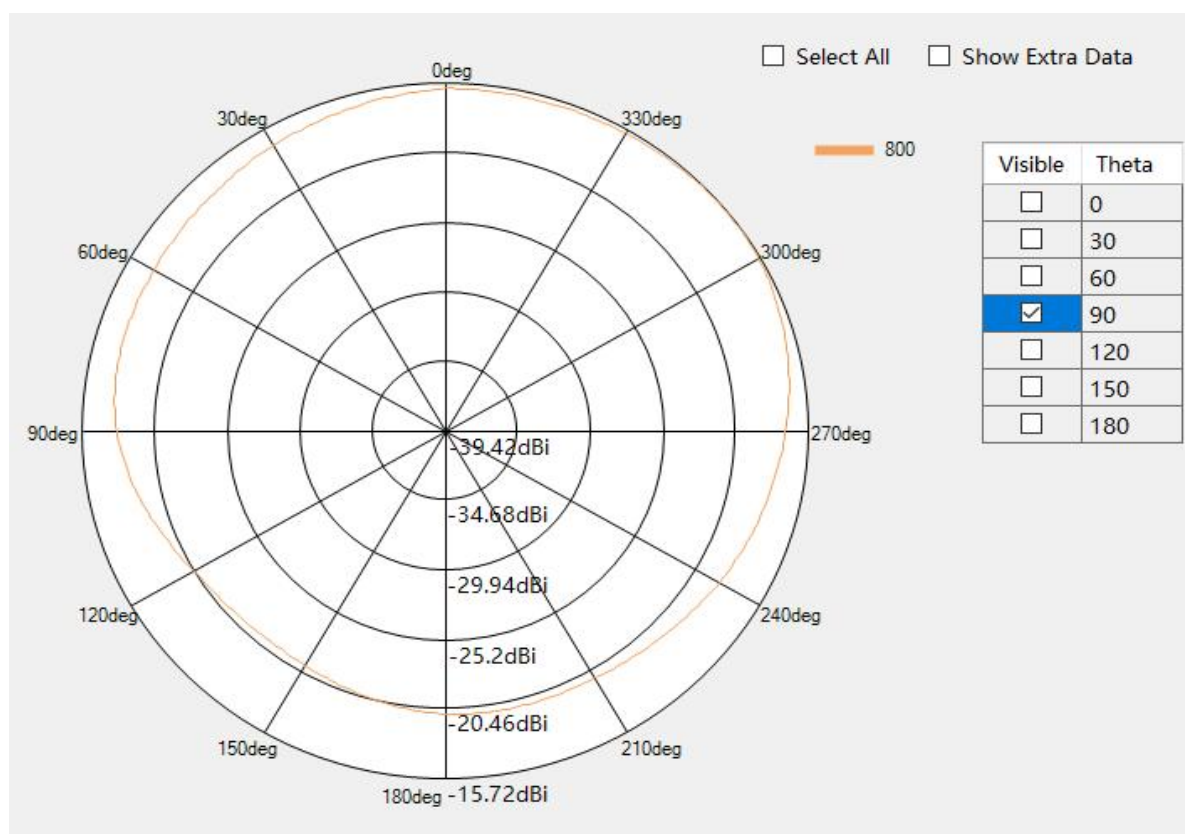
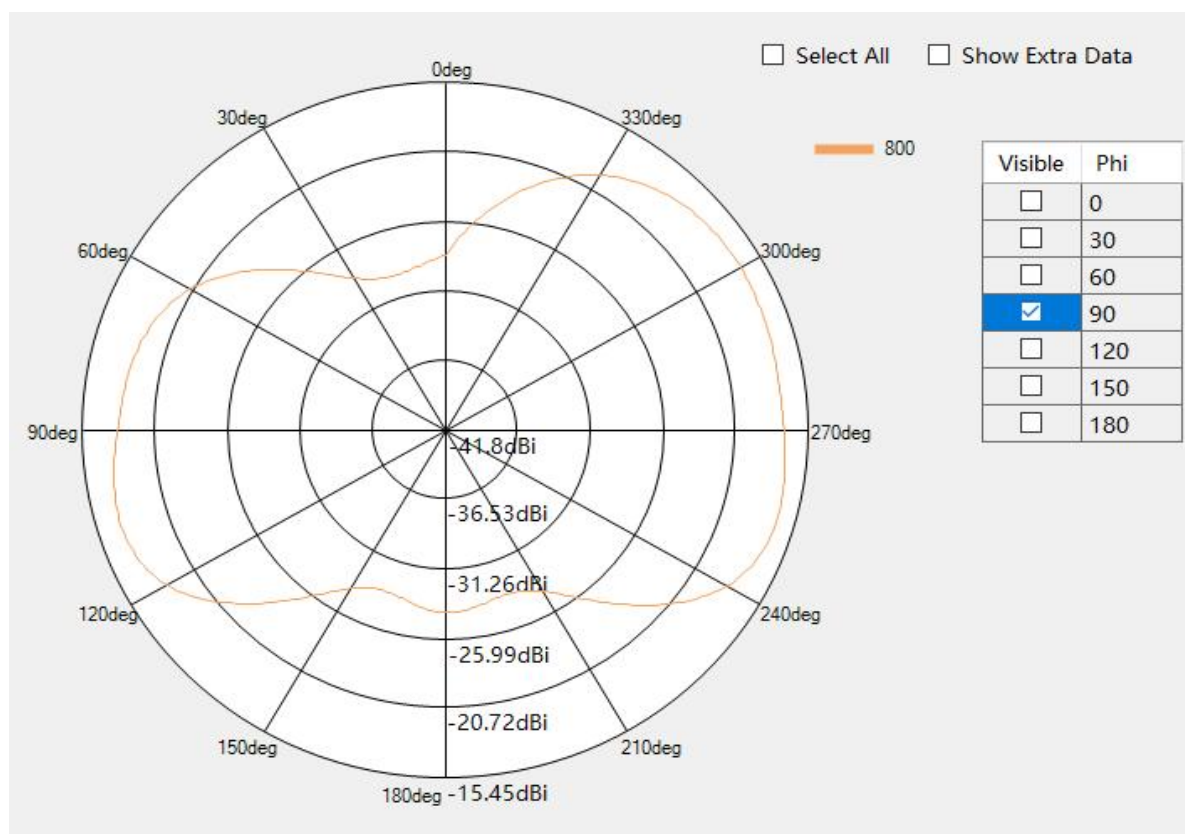
B12/B17/B28A/B28B



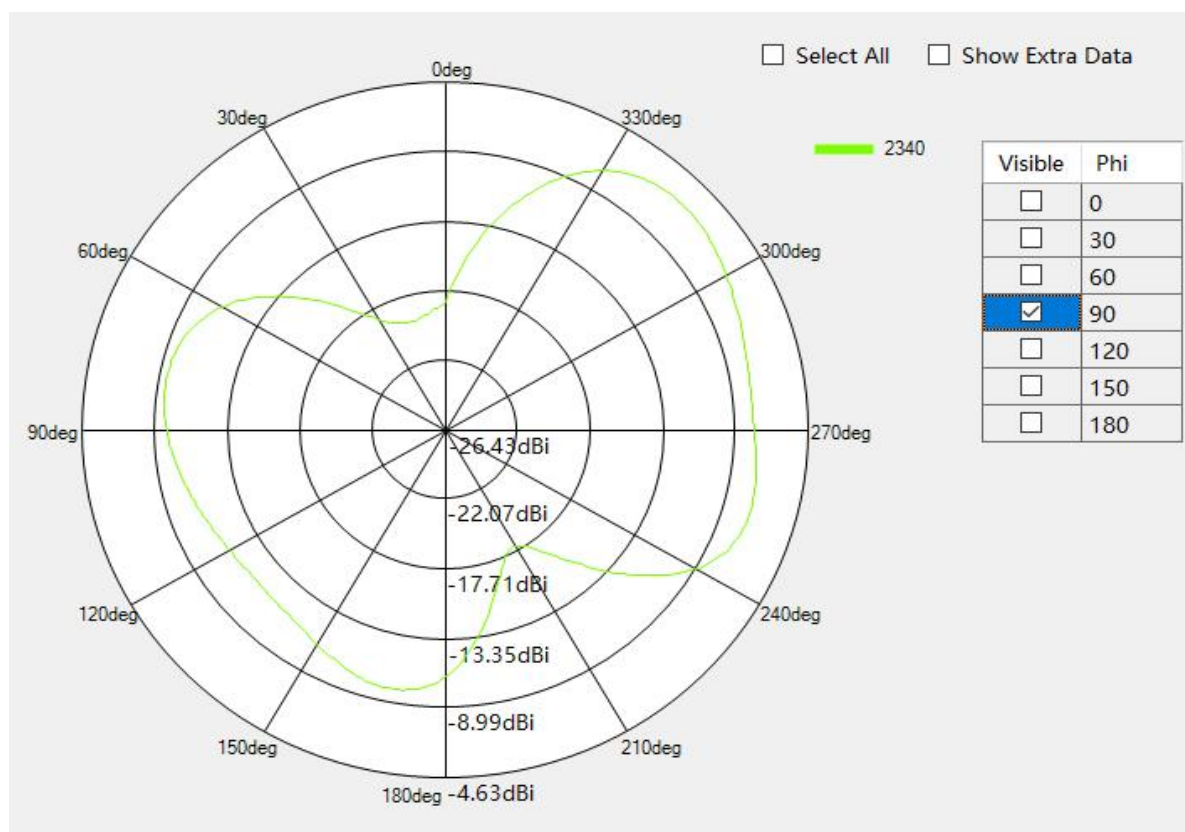
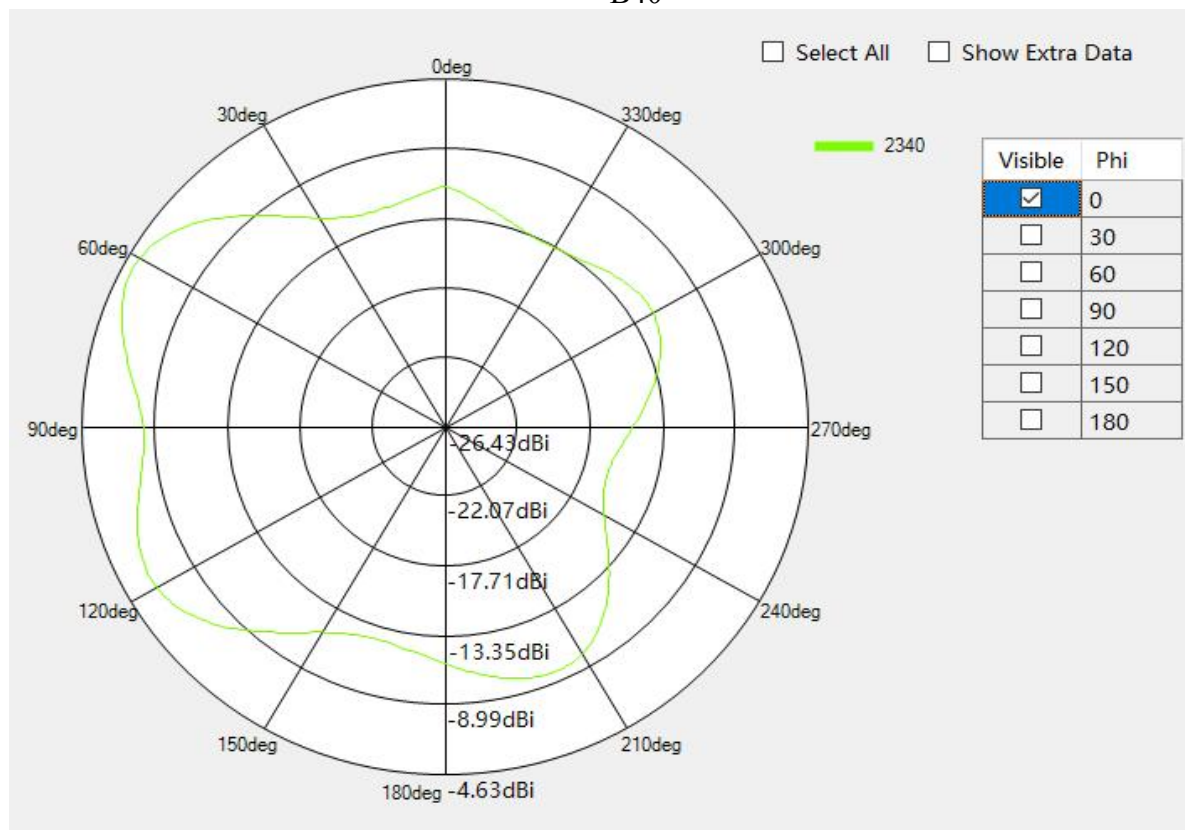


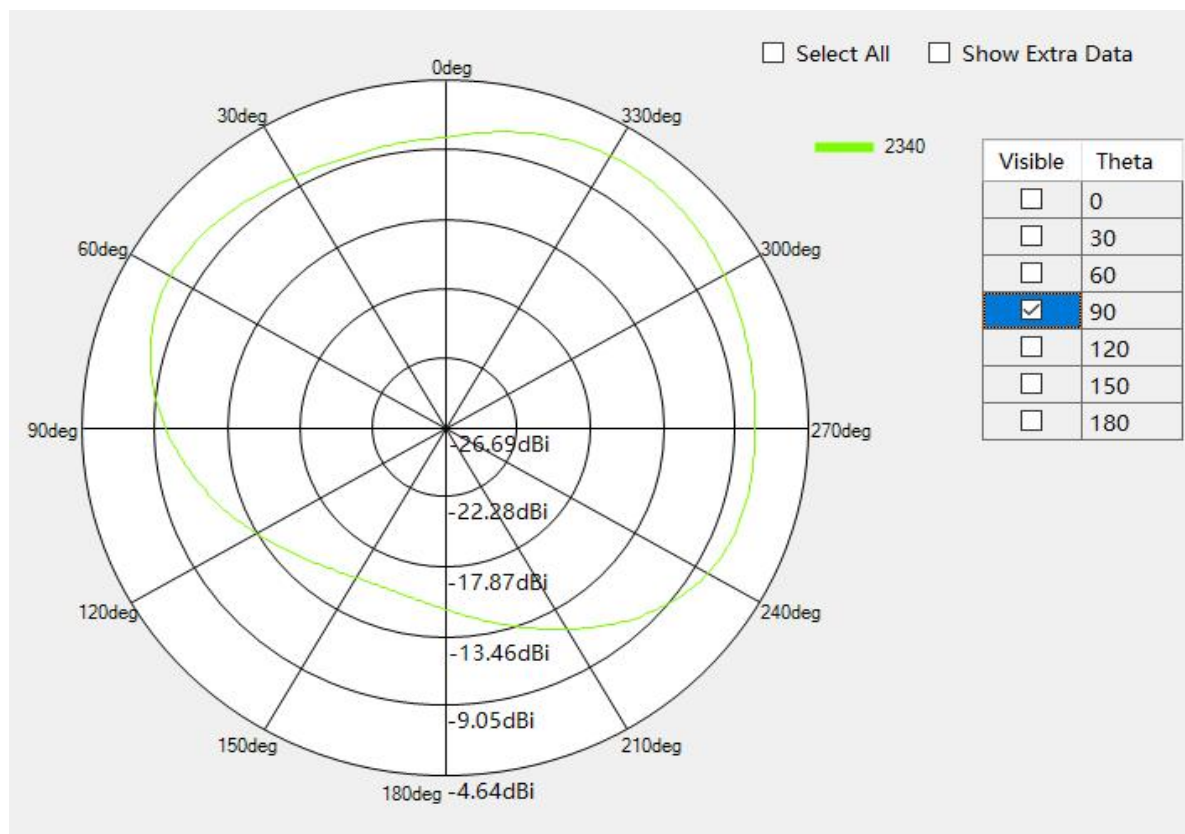
B20



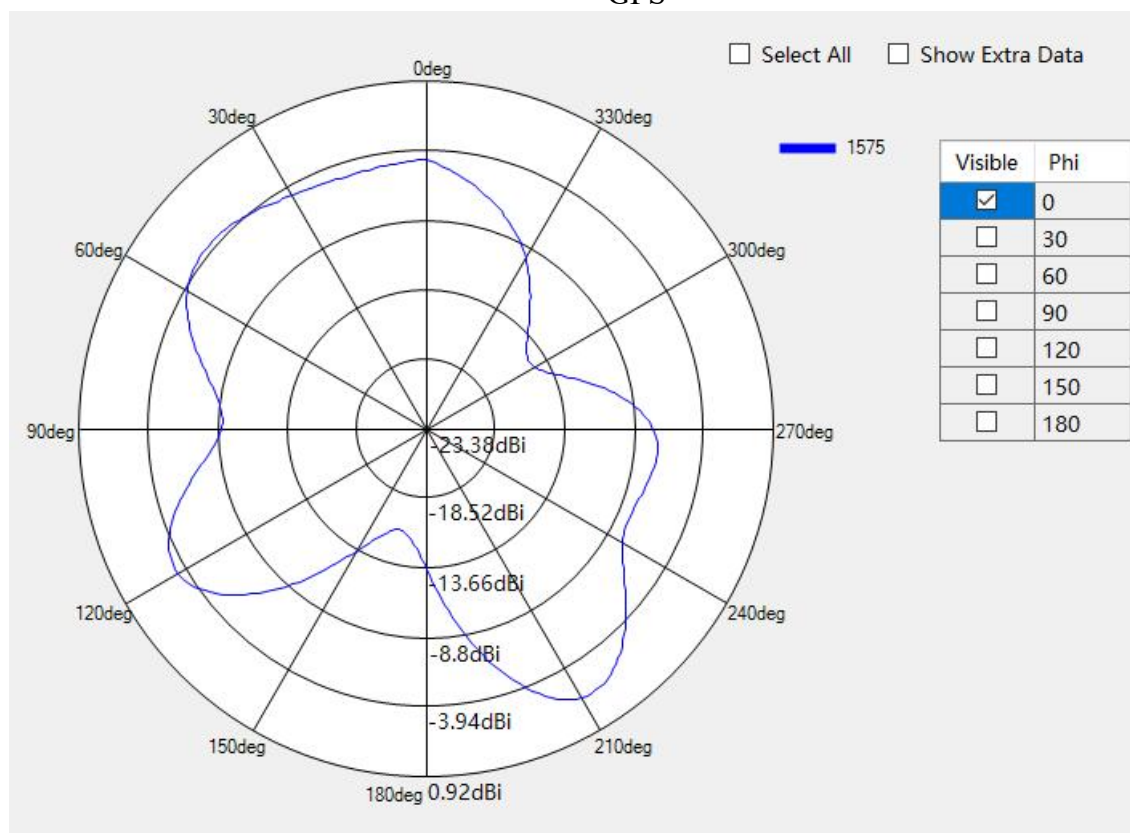


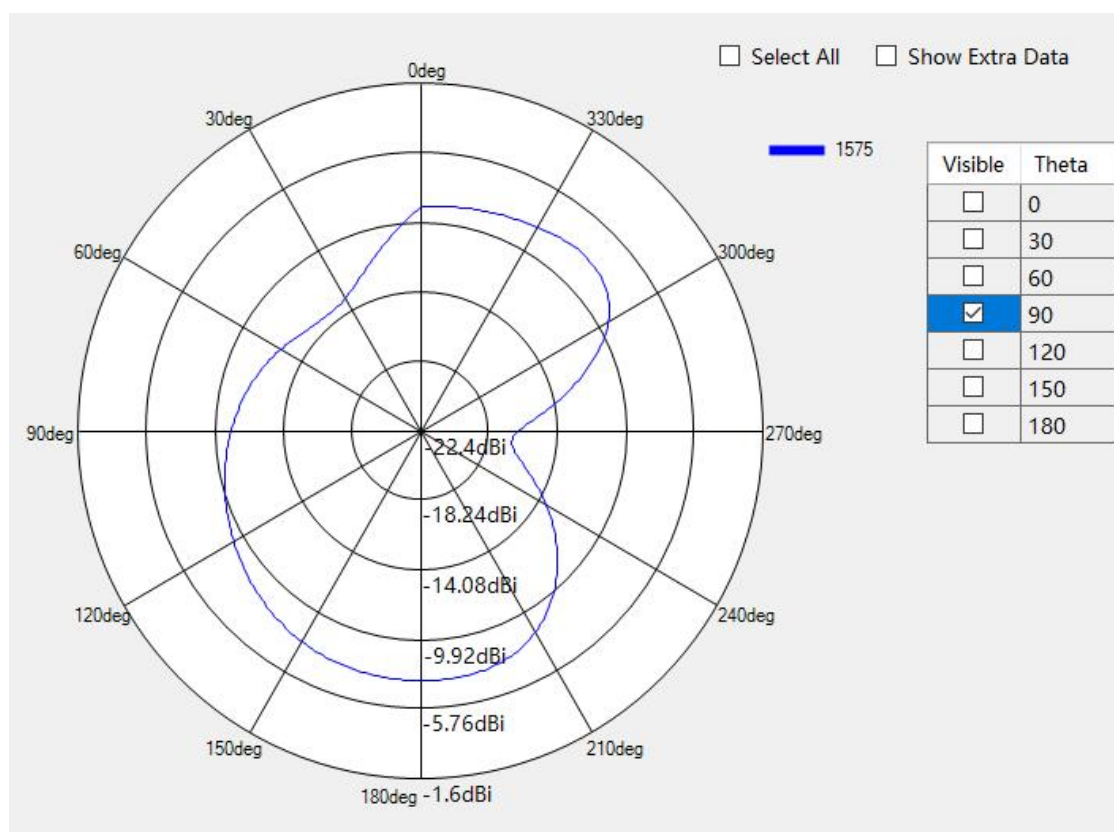
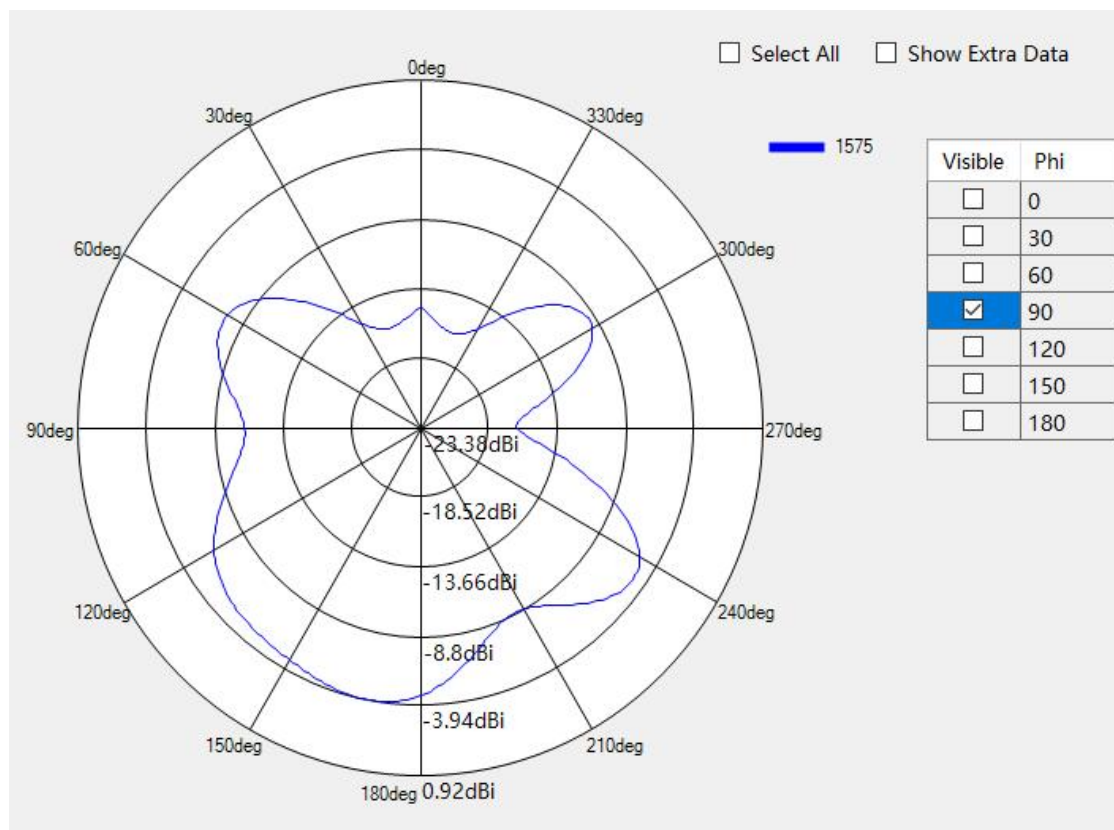
B40



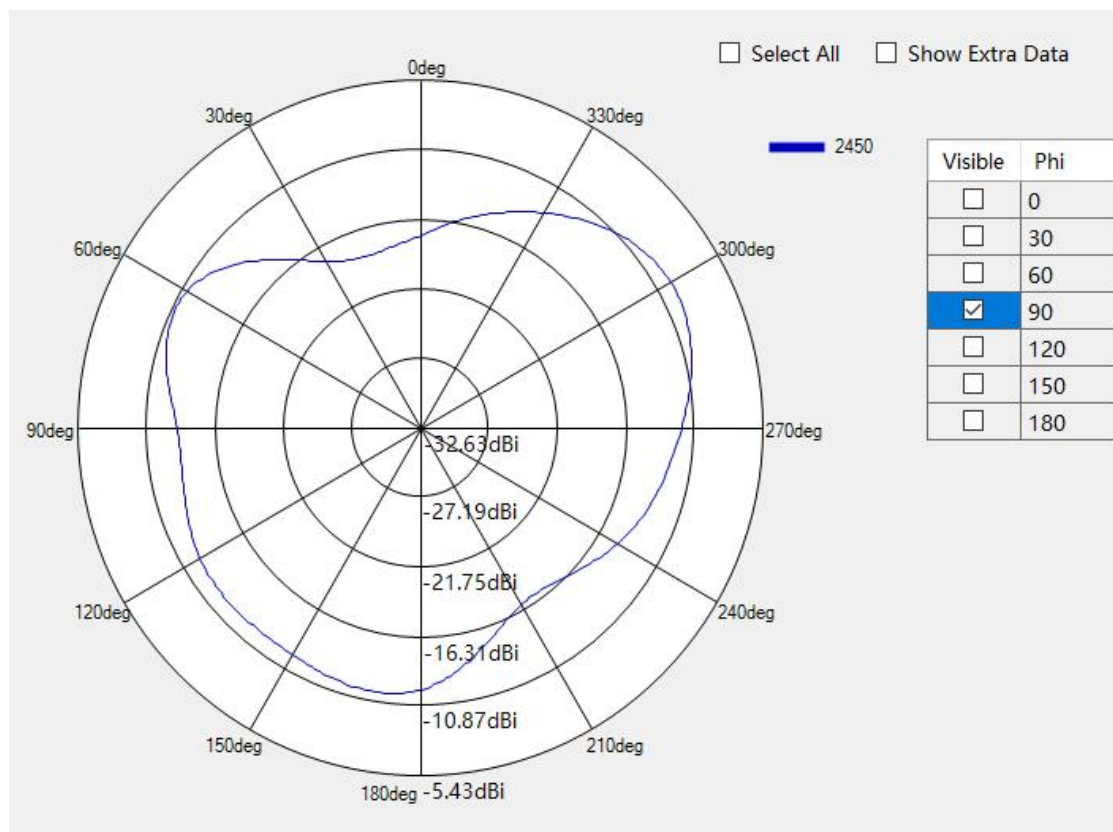
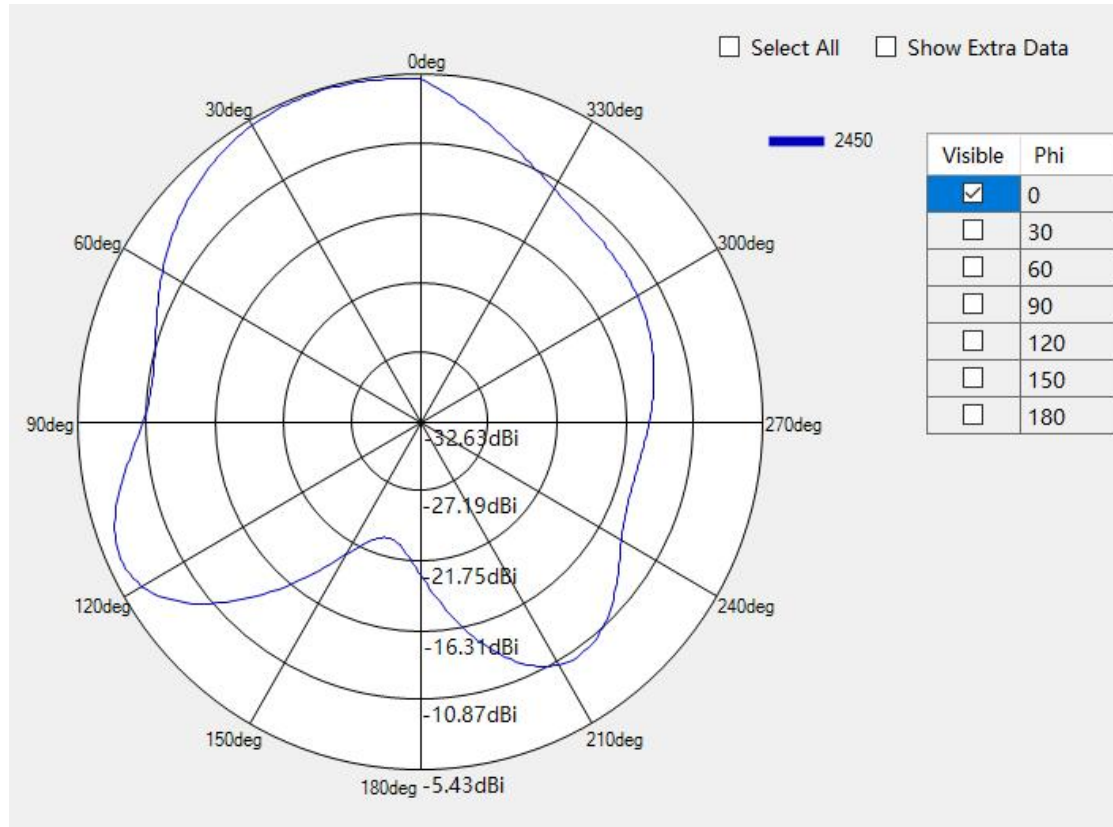


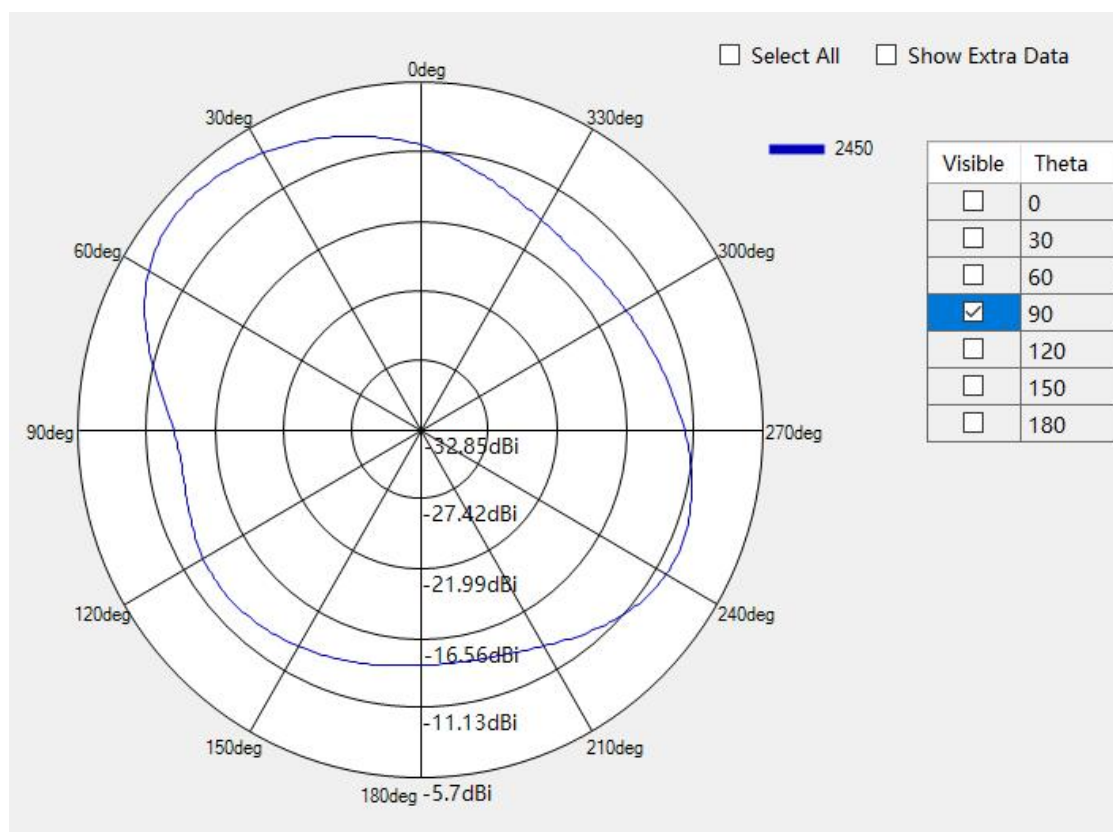
Three-in-one antenna GPS



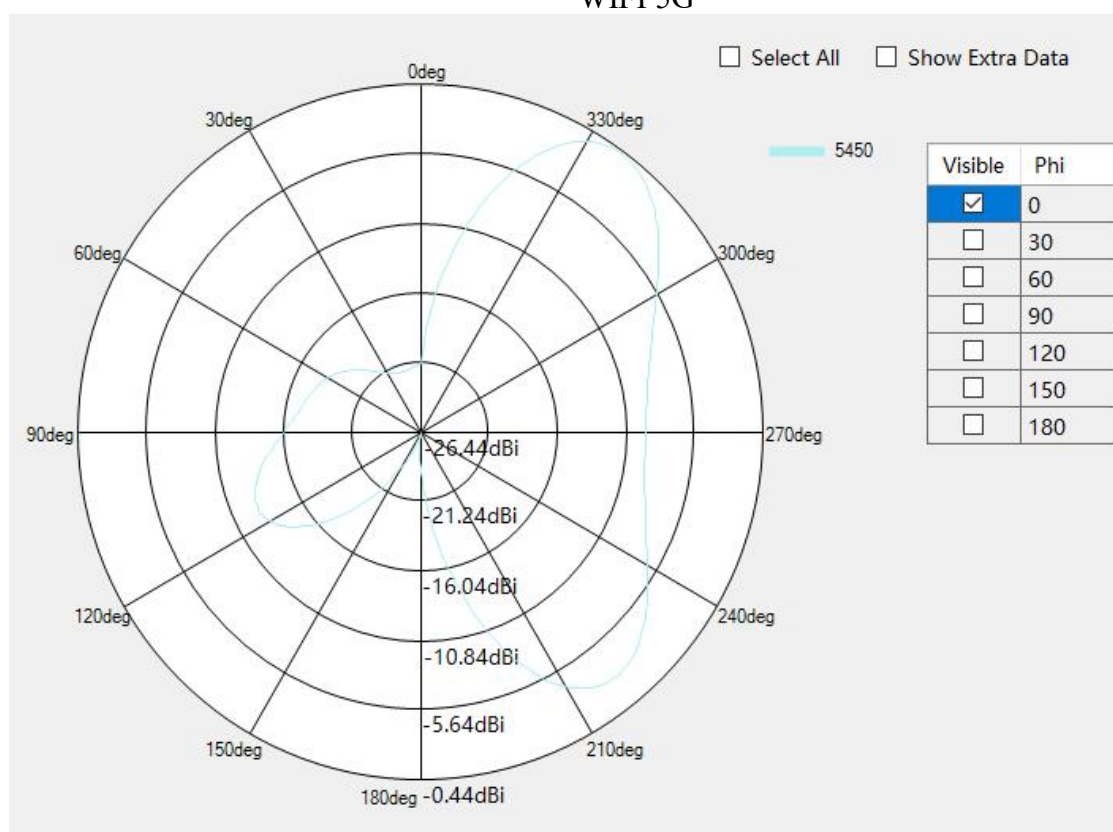


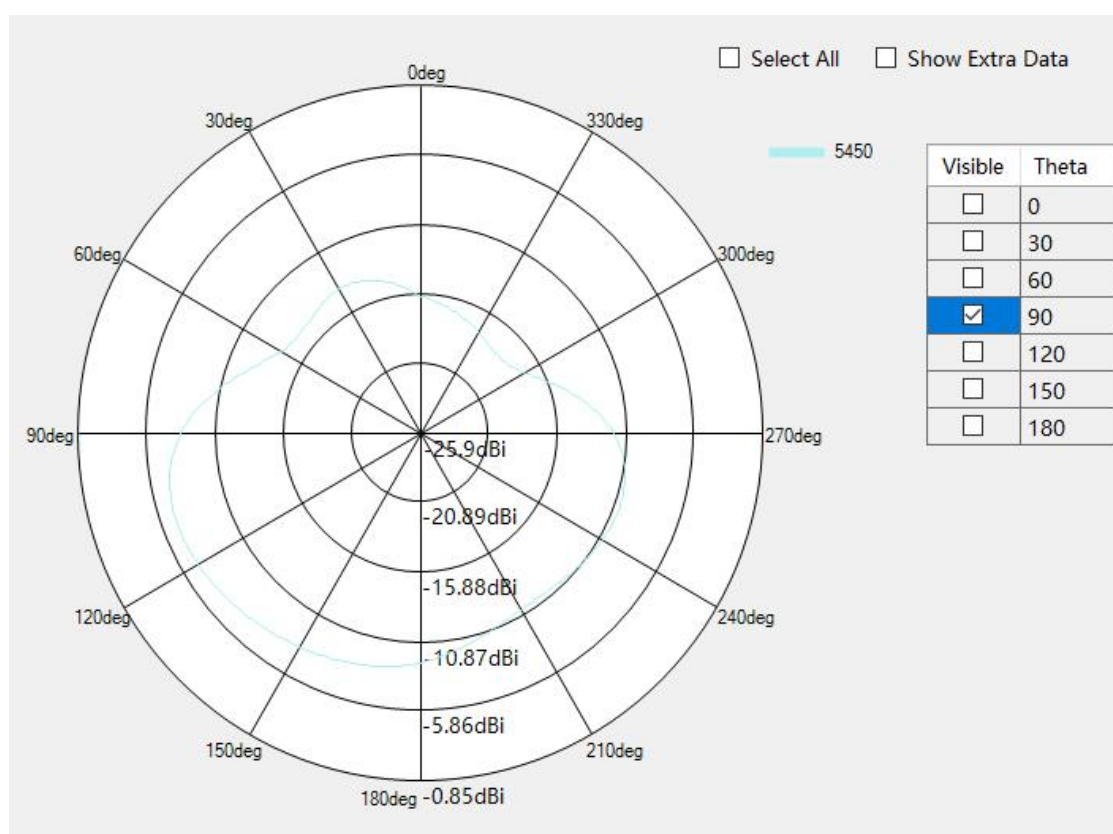
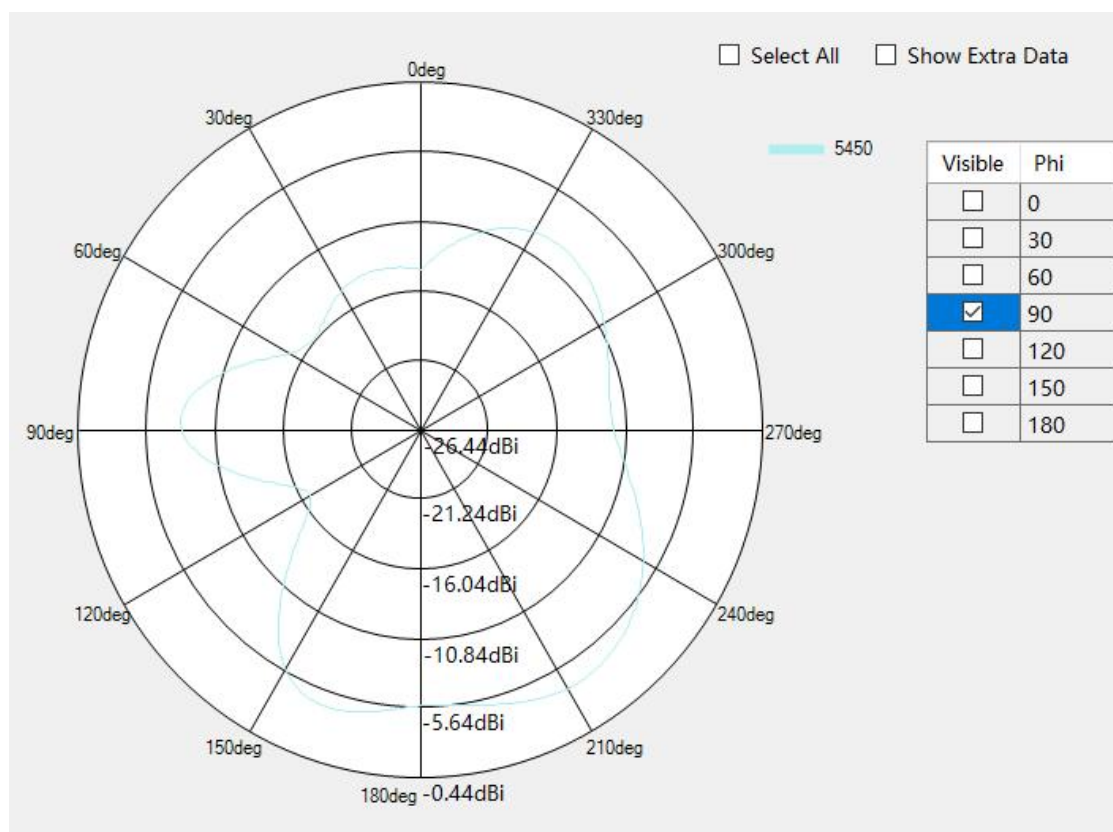
WIFI 2.4G





WIFI 5G





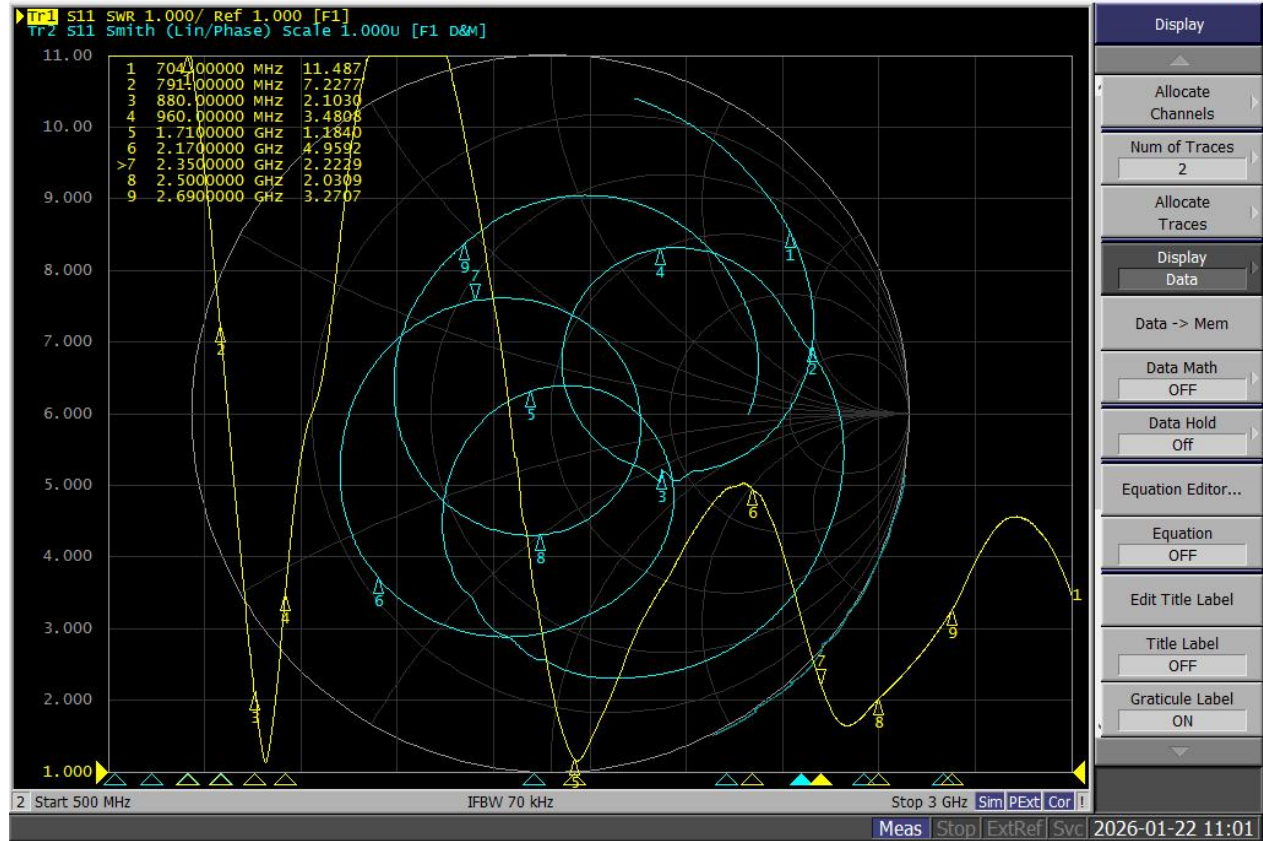
※S11:

Main Antenna B7/B8/W8/G900

E5071C Network Analyzer

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

Resize

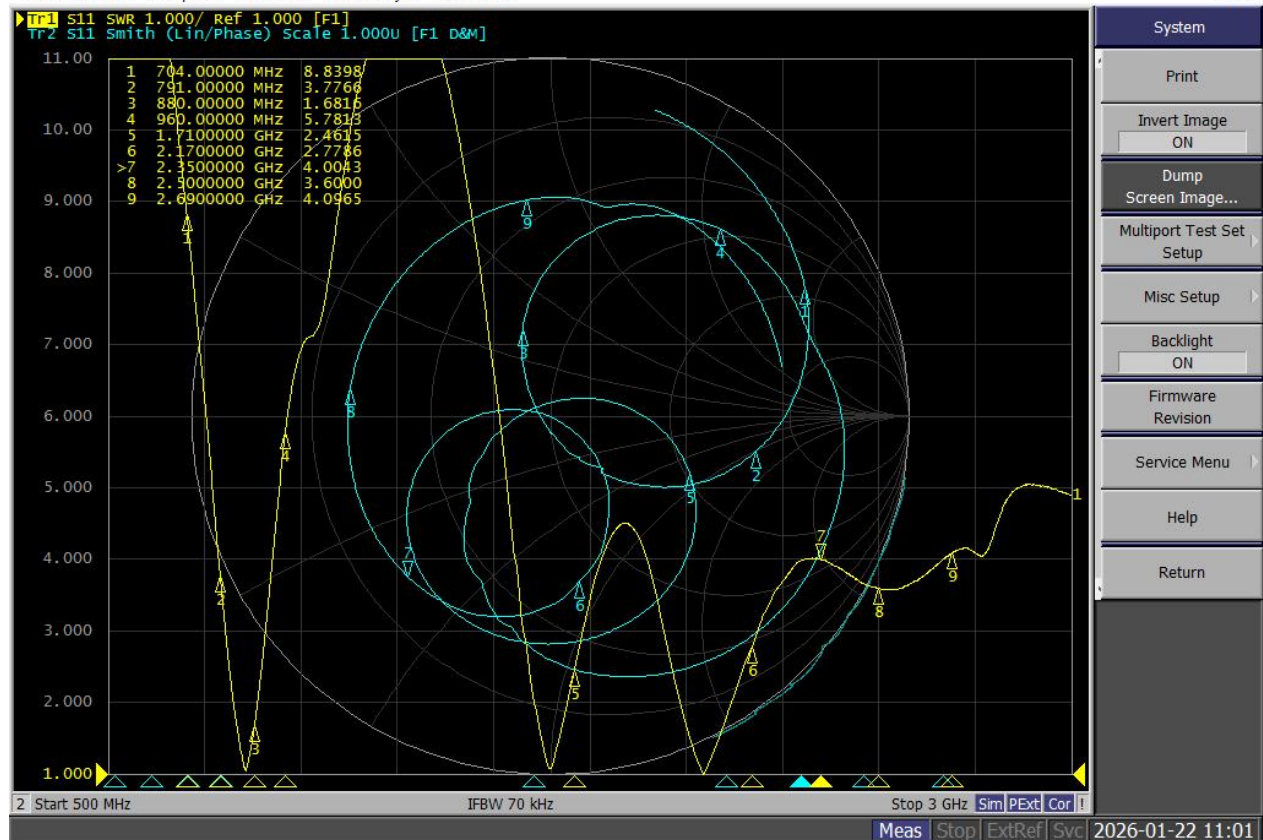


B5/B20/B26/B40/GSM850/ W5

E5071C Network Analyzer

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Resize

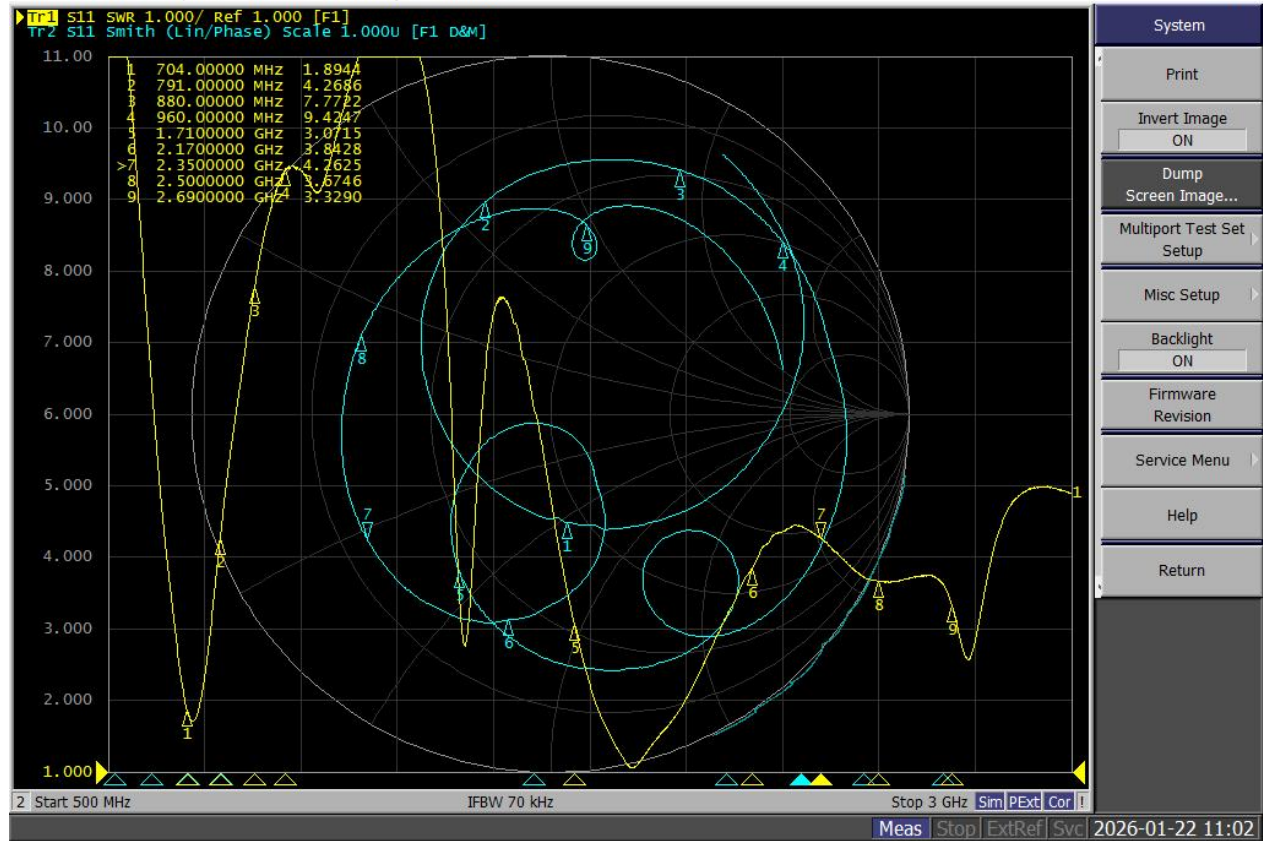


B1/B2/B12/B17/B28A/B28B/GSM1900/W1/W2

E5071C Network Analyzer

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Resize

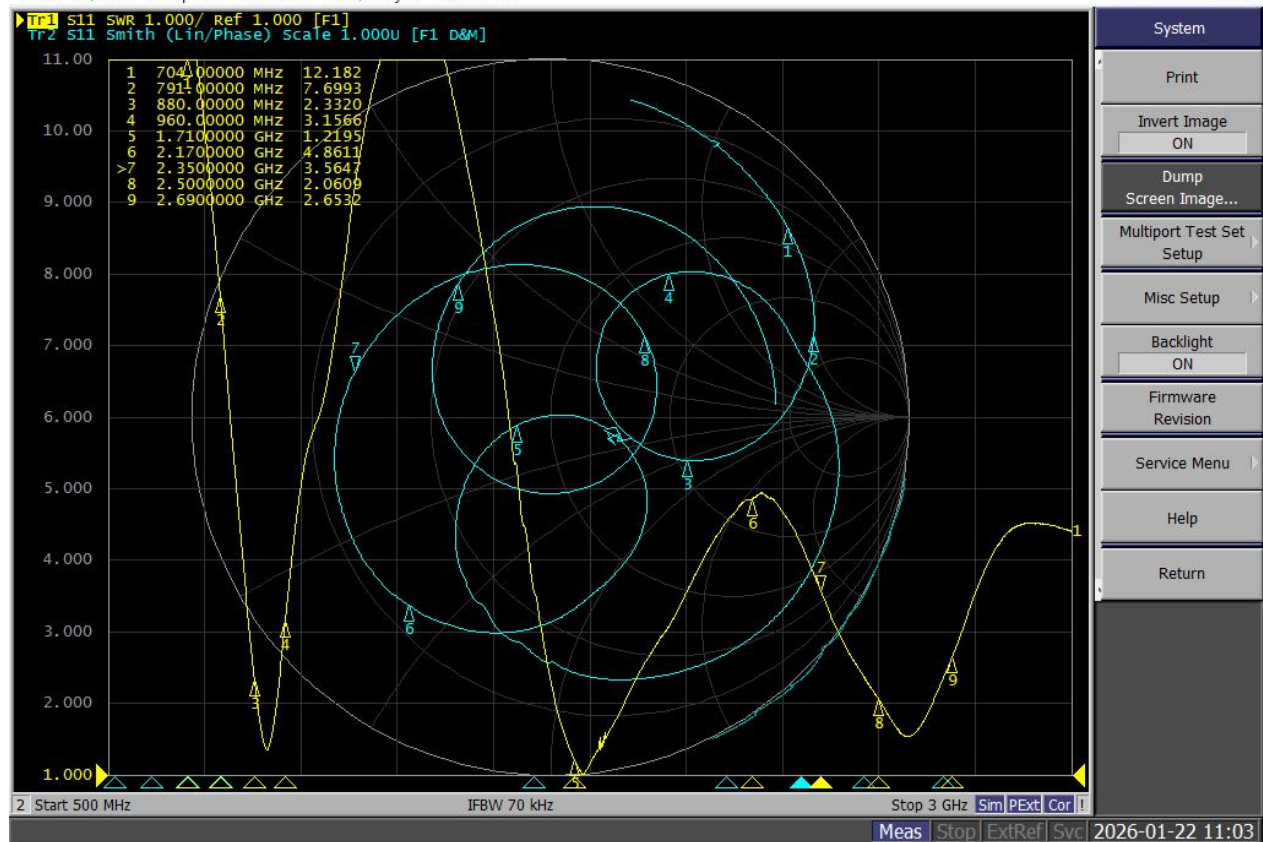


B38/B41/B3/B4/B66/W4/G1800

E5071C Network Analyzer

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Resize

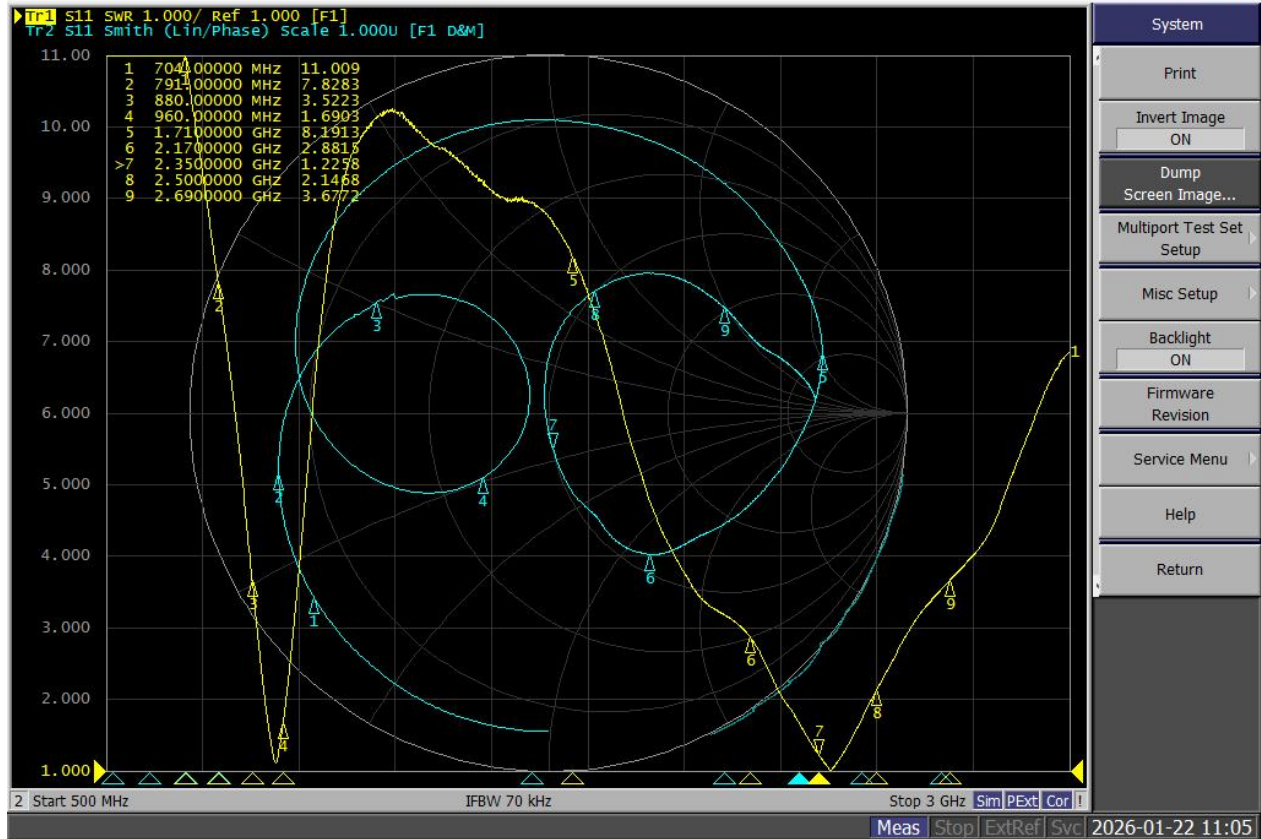


DIV Antenna B7/B8/ B40/W8

E5071C Network Analyzer

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Resize

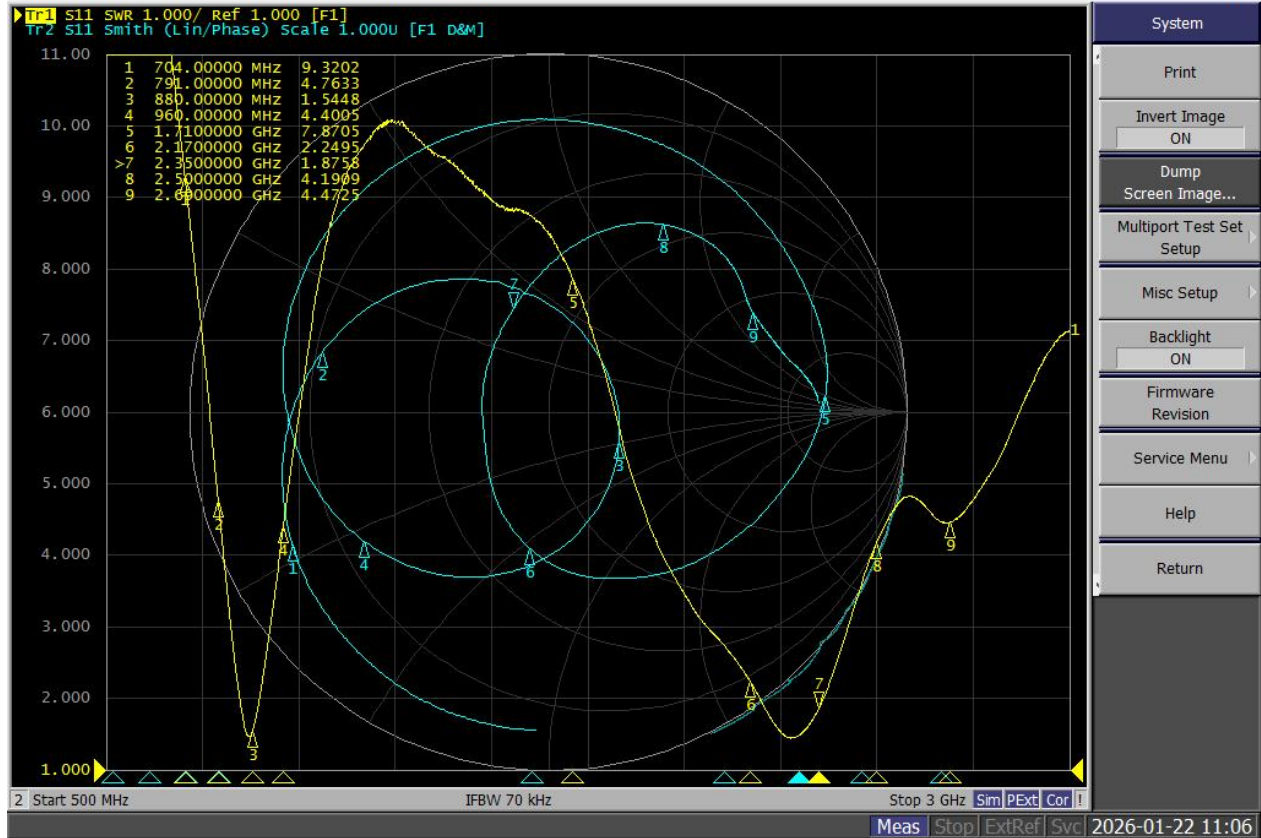


B5/B26/W5/GSM850

E5071C Network Analyzer

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Resize

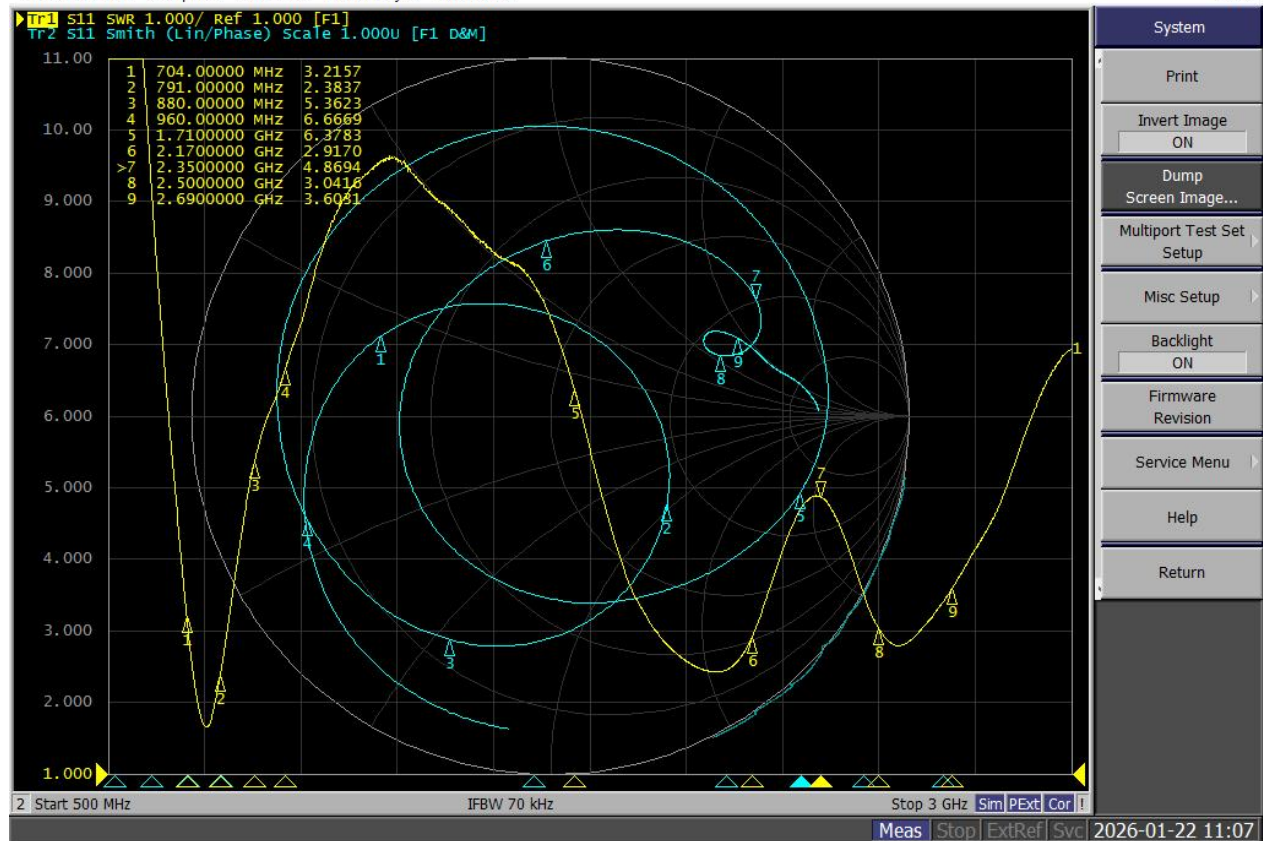


B12/B17/B20/B28A/B28B

E5071C Network Analyzer

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

Resize

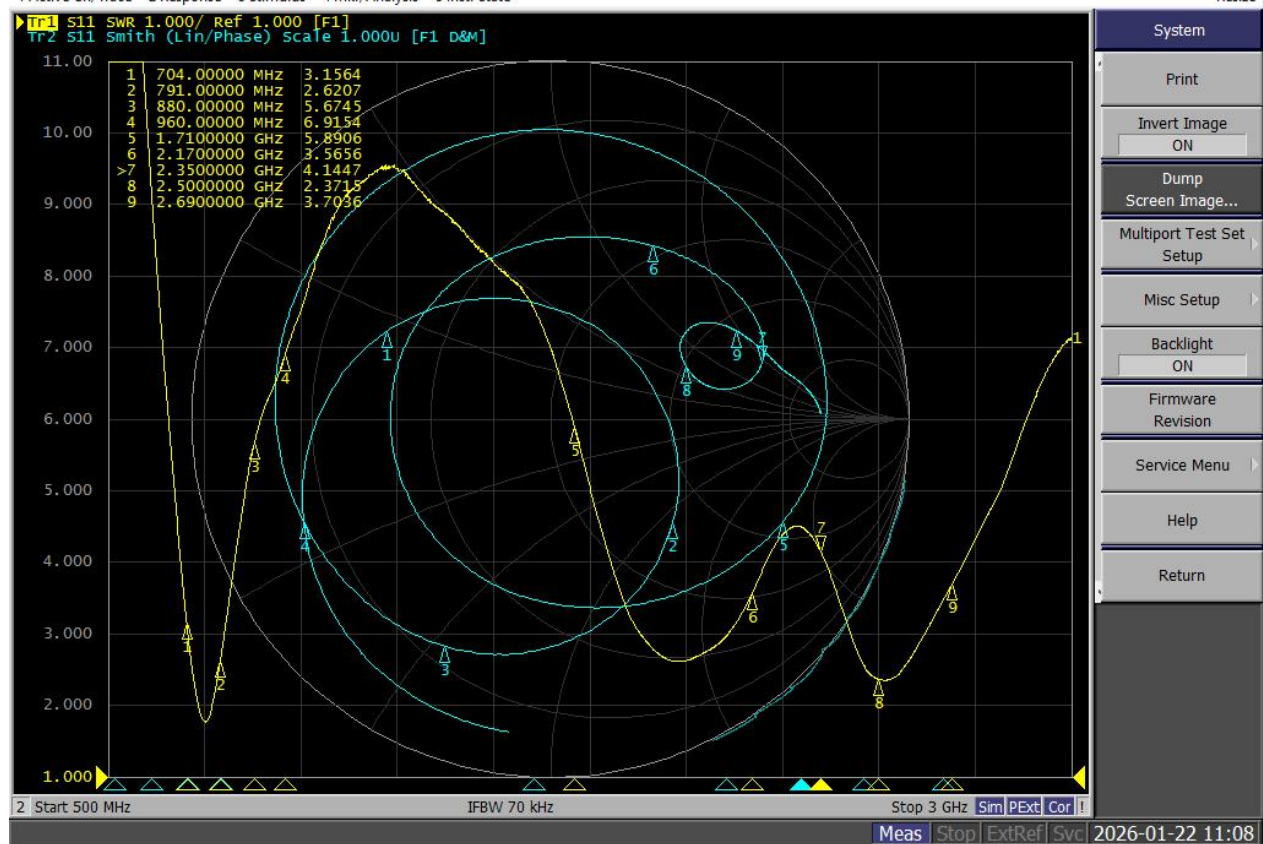


G900/B38/B41

E5071C Network Analyzer

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

Resize

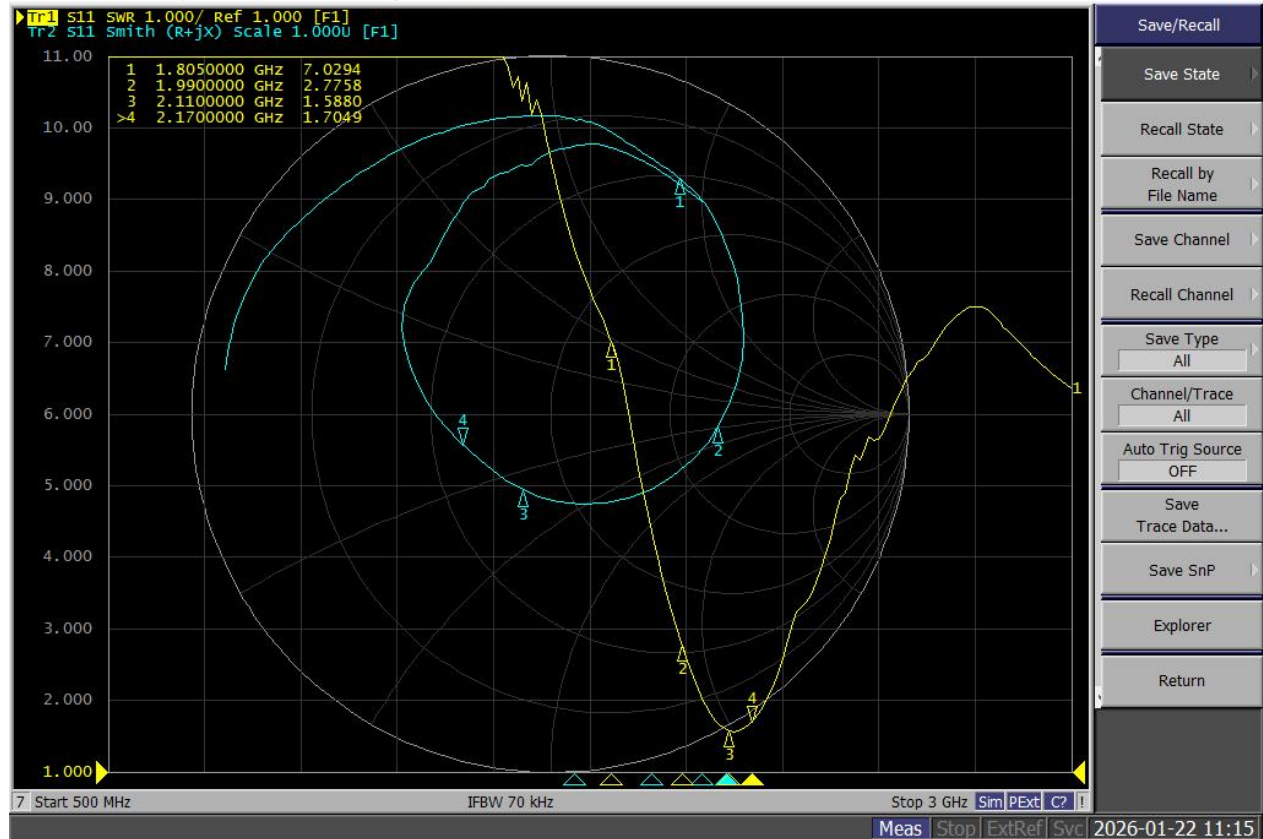


DIV-G1800/1900/W1/2/4/B1/2/3/4

E5071C Network Analyzer

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

Resize



Three-in-one antenna

E5071C Network Analyzer

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

Resize

