

Feature

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

Application

B1 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

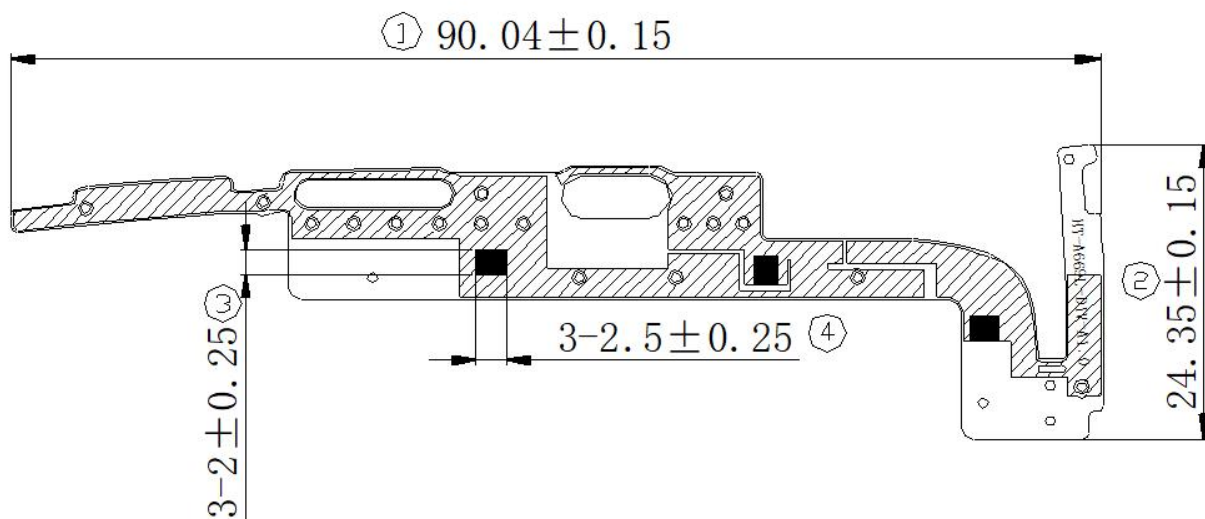
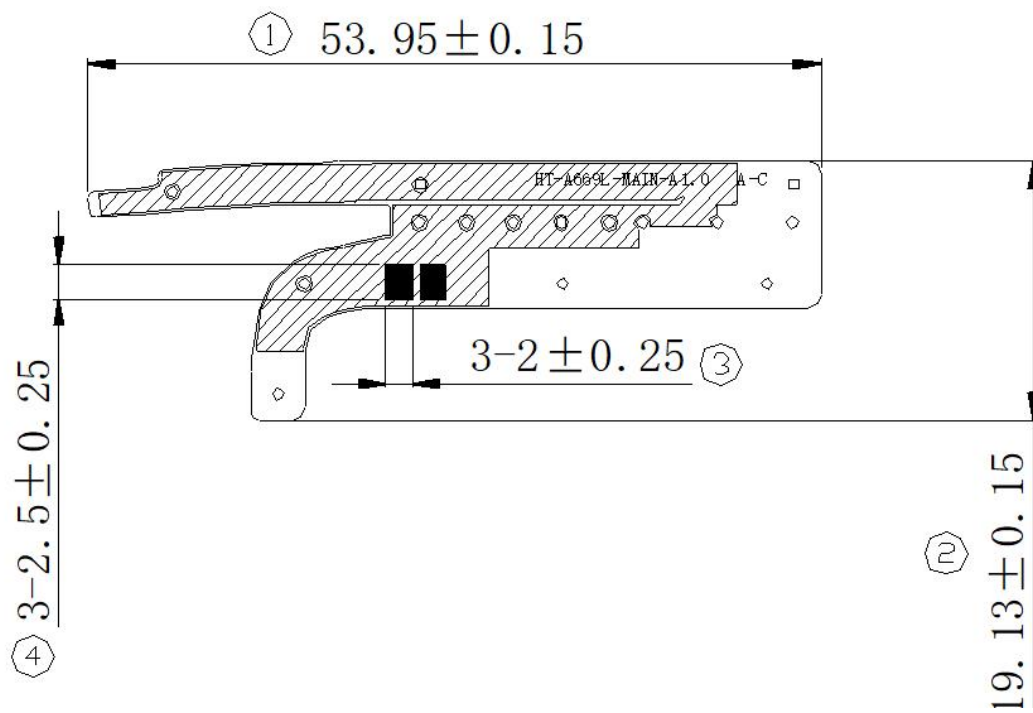
Zhejiang Haitong communications electronic Limited

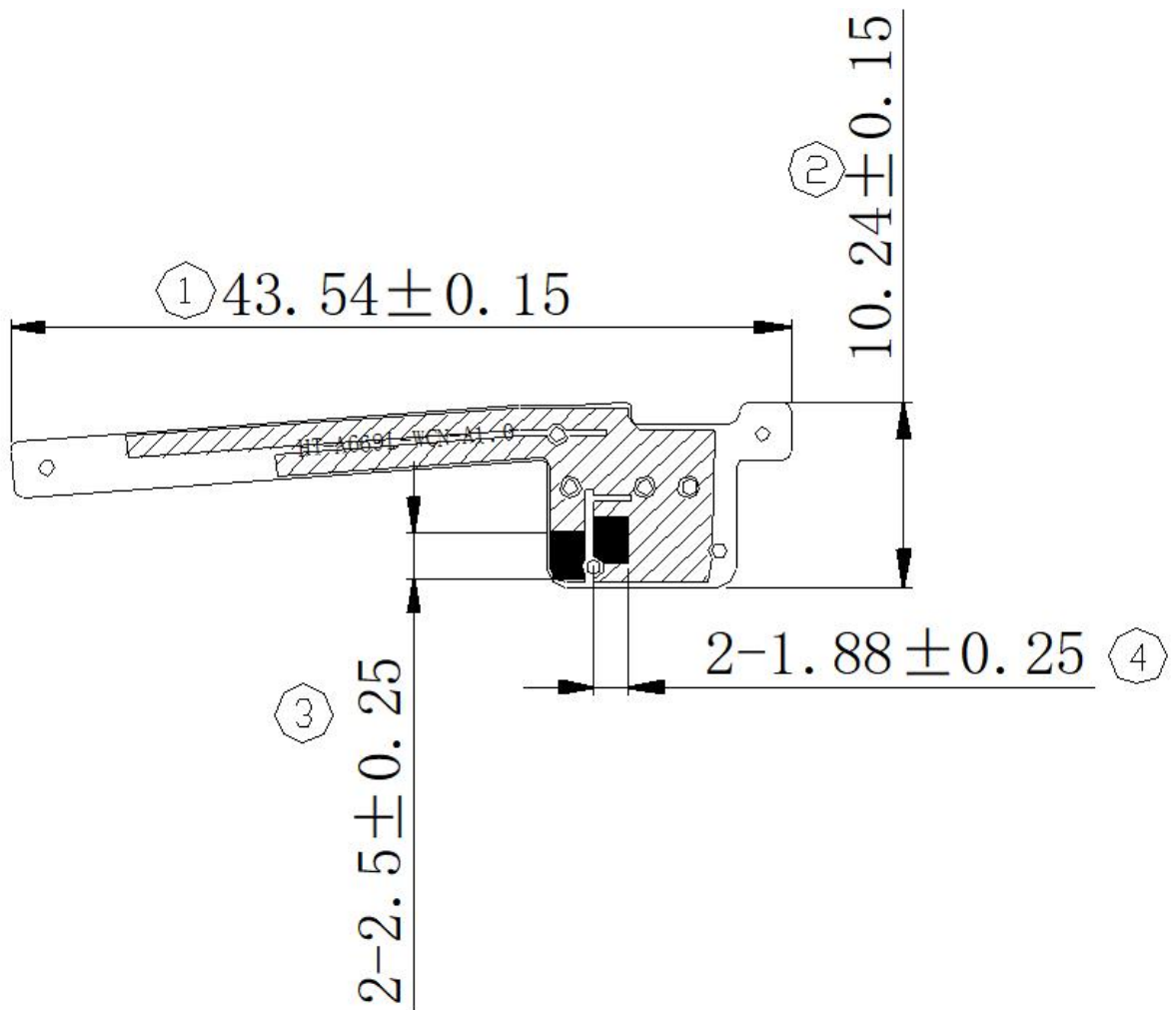
浙江海通通讯电子股份有限公司

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:2412 -2472 MHz GPS:1575.42MHz Bluetooth:2408 - 2480 MHz
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 1800: 22.5+/-2dBm WCDMA 1900: 22.5+/-2dBm WCDMA 2100: 22.5+/-2dBm LTE B1:22+/-2dBm

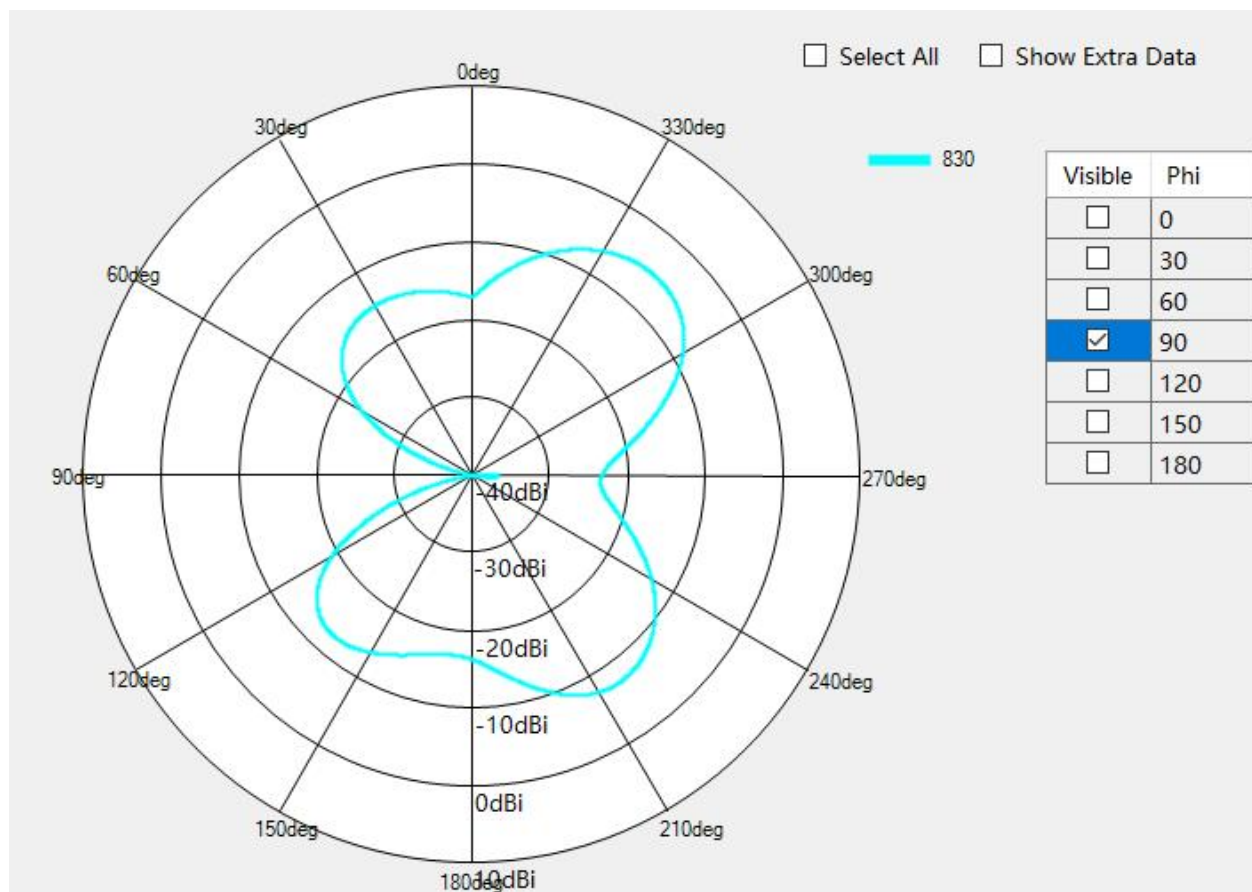
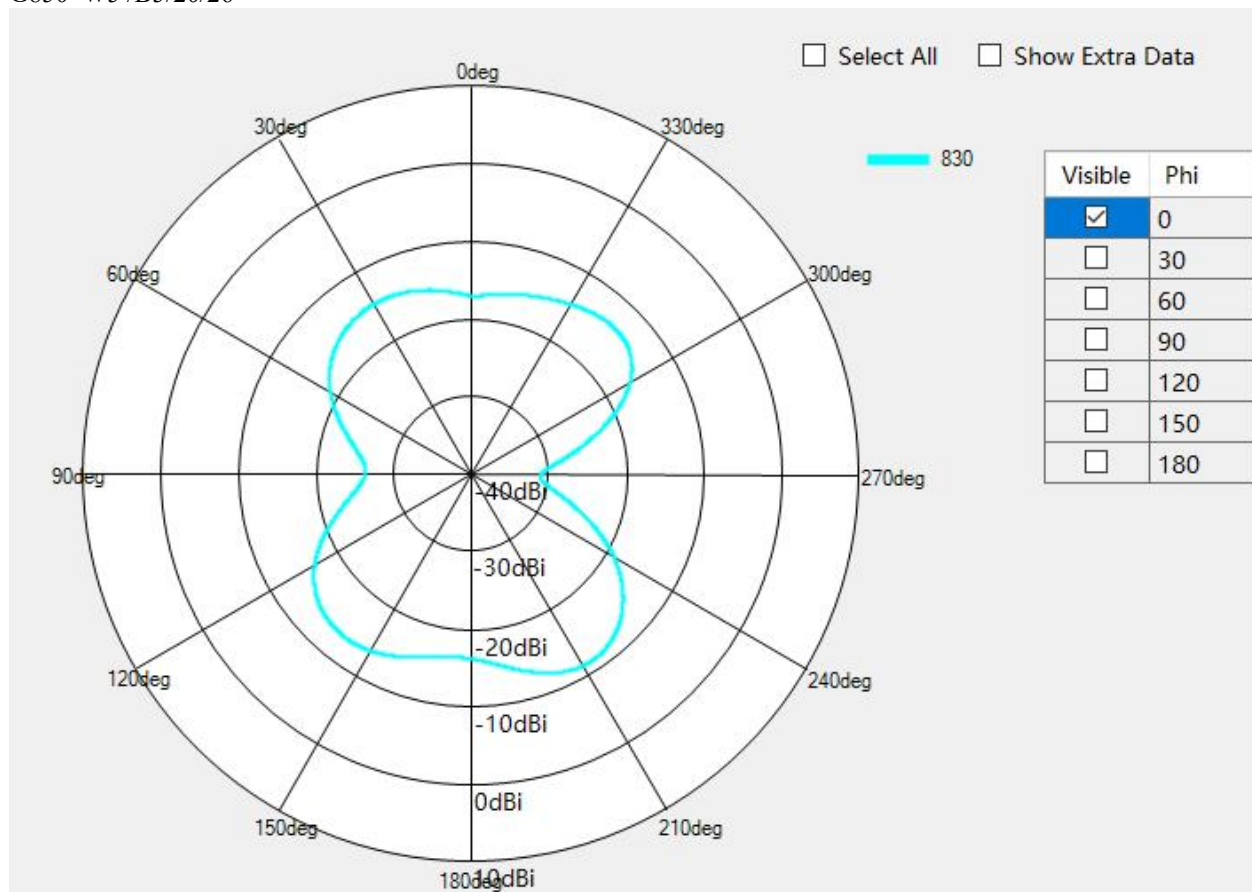
	LTE B2:22+/-2dBm LTE B3:22+/-2dBm LTE B4:22+/-2dBm LTE B5:22+/-2dBm LTE B7:22+/-2dBm LTE B8:22+/-2dBm LTE B12:22+/-2dBm LTE B17:22+/-2dBm LTE B20:22+/-2dBm LTE B26:22+/-2dBm LTE B28AB:22+/-2dBm LTE B38:22+/-2dBm LTE B40:22+/-2dBm LTE B41:22+/-2dBm LTE B66:22+/-2dBm
Antenna Gain	GSM850: -4.42 dBi GSM900: -3.65 dBi DCS1800: -2.97 dBi DCS1900: -2.69 dBi WCDMA 850: -4.42dBi WCDMA 900: -3.65dBi WCDMA 1800: -2.97 dBi WCDMA 1900: -2.69 dBi WCDMA 2100: -1.86 dBi LTE B1: -1.86 dBi LTE B2: -2.69 dBi LTE B3: -2.97 dBi LTE B4: -2.97 dBi LTE B5: -4.42 dBi LTE B7: -1.18 dBi LTE B8: -3.65 dBi LTE B12: -5.53 dBi LTE B17: -5.53 dBi LTE B20: -4.42 dBi LTE B26: -4.42 dBi LTE B28AB: -5.96 dBi LTE B38: -2.17dBi LTE B40: -2.78 dBi LTE B41: -2.17 dBi LTE B66: -2.97 dBi WIFI/BT: -0.17 dBi GPS: -2.50 dBi
Power of antenna:	GSM850: 25.0dBm GSM900: 25.6dBm DCS1800: 24.5dBm PCS1900: 25.9dBm WCDMA 850: 14.7dBm WCDMA 900:15.7dBm WCDMA 1800: 15.9dBm WCDMA 1900:17.2 dBm WCDMA 2100: 16.4dBm LTE B1: 17.2dBm

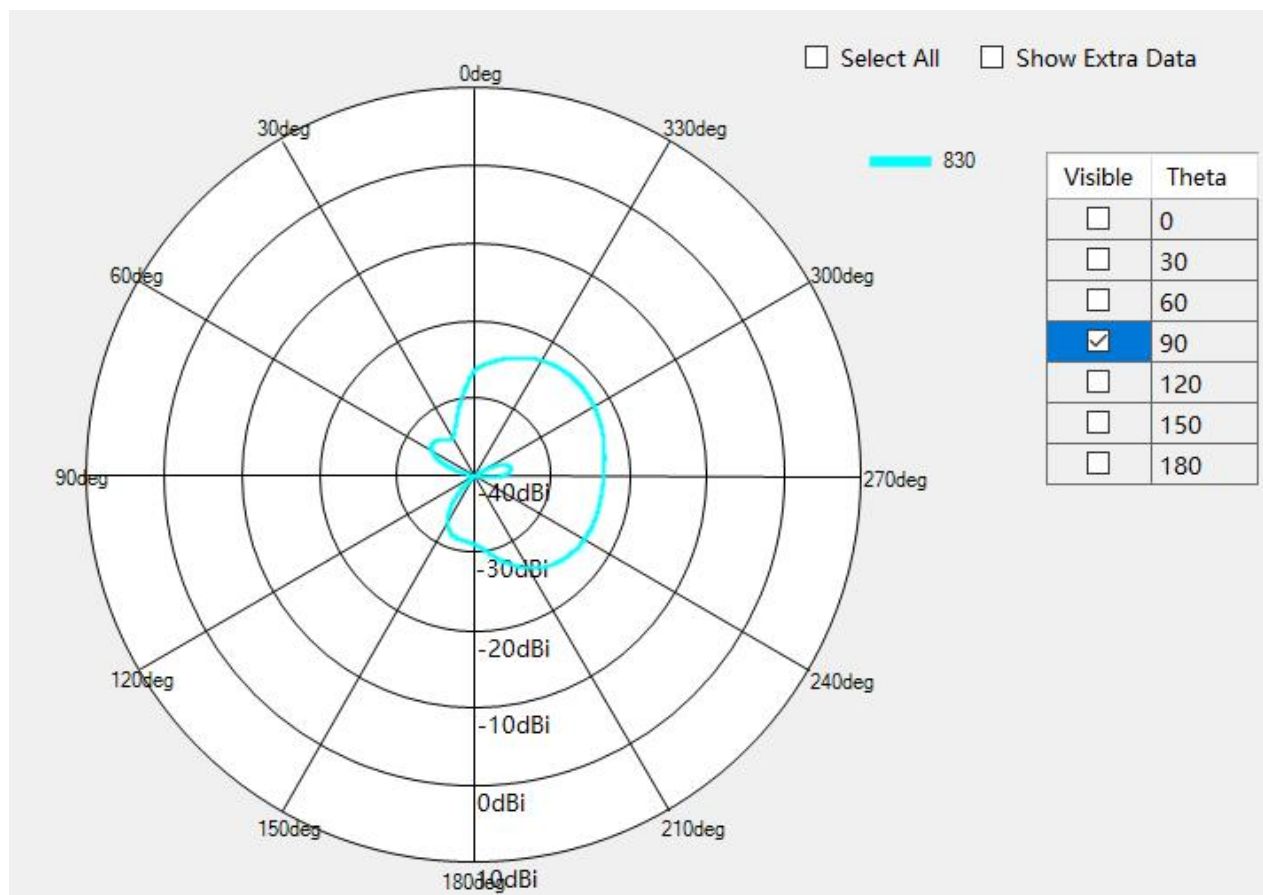
	LTE B2: 17.3dBm LTE B3: 17.0dBm LTE B4: 15.4 dBm LTE B5: 14.4dBm LTE B7: 18.3dBm LTE B8: 15.4dBm LTE B12: 13.1dBm LTE B17: 13.6dBm LTE B20: 14.8dBm LTE B26: 16.3dBm LTE B28: 13.0dBm LTE B38: 17.4dBm LTE B40: 15.1dBm LTE B41: 17.3dBm LTE B66: 16.5dBm WIFI-11n: 9.5dBm GPS: -152.7 BT: 3.5dBm
Type of Modulation	GMSK/8PSK/QPSK/16QAM/64QAM/GFSK, $\pi/4$ - DQPSK,8DPSK

※ Antenna Gain

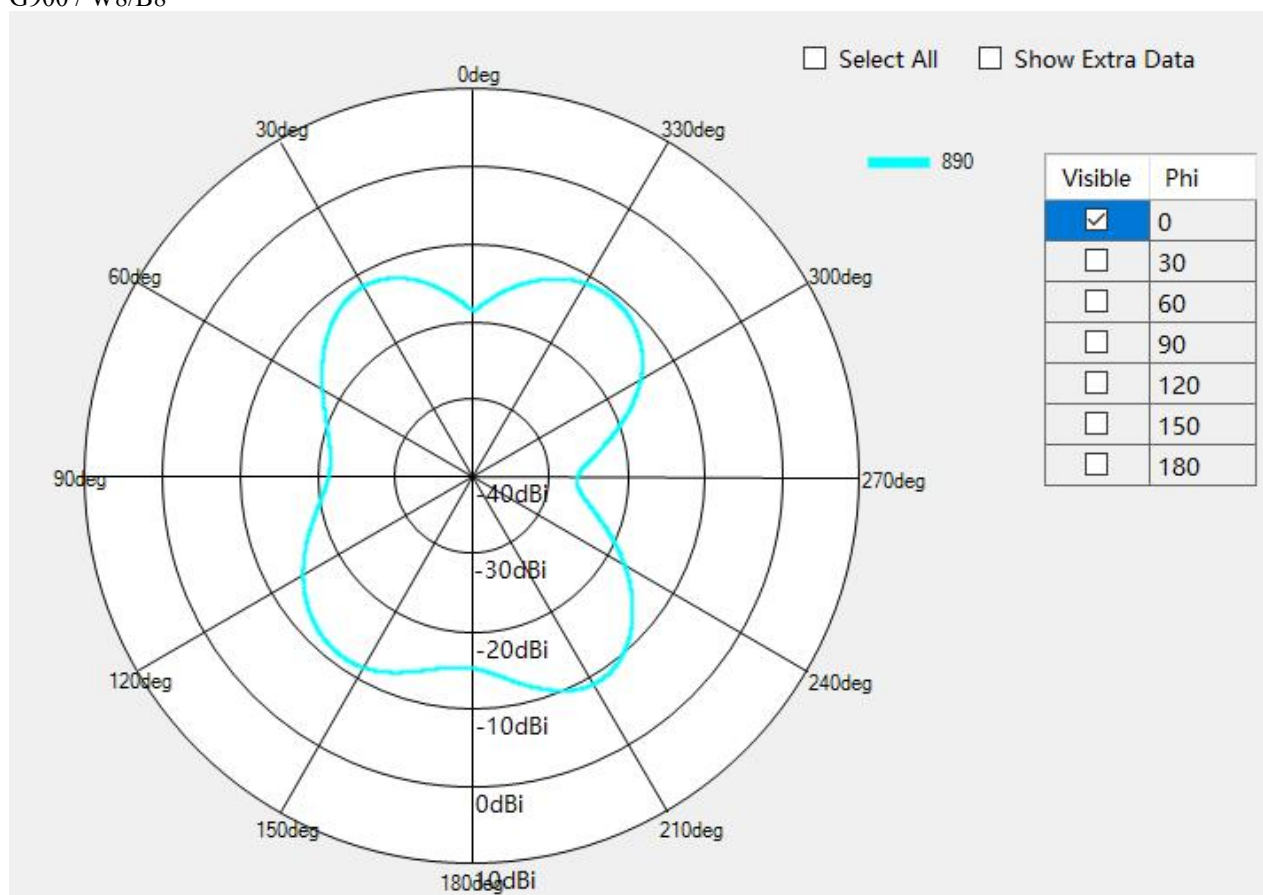
Main Antenna

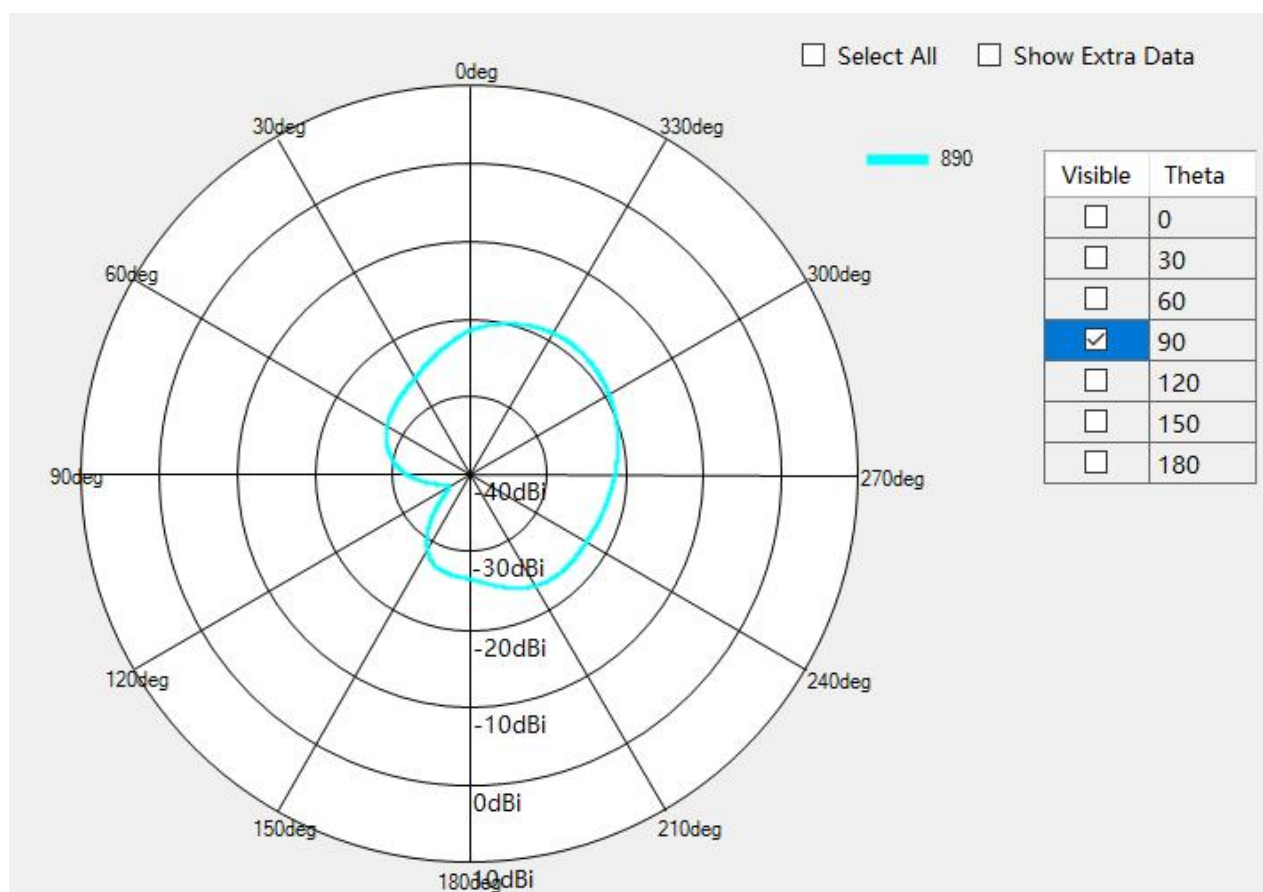
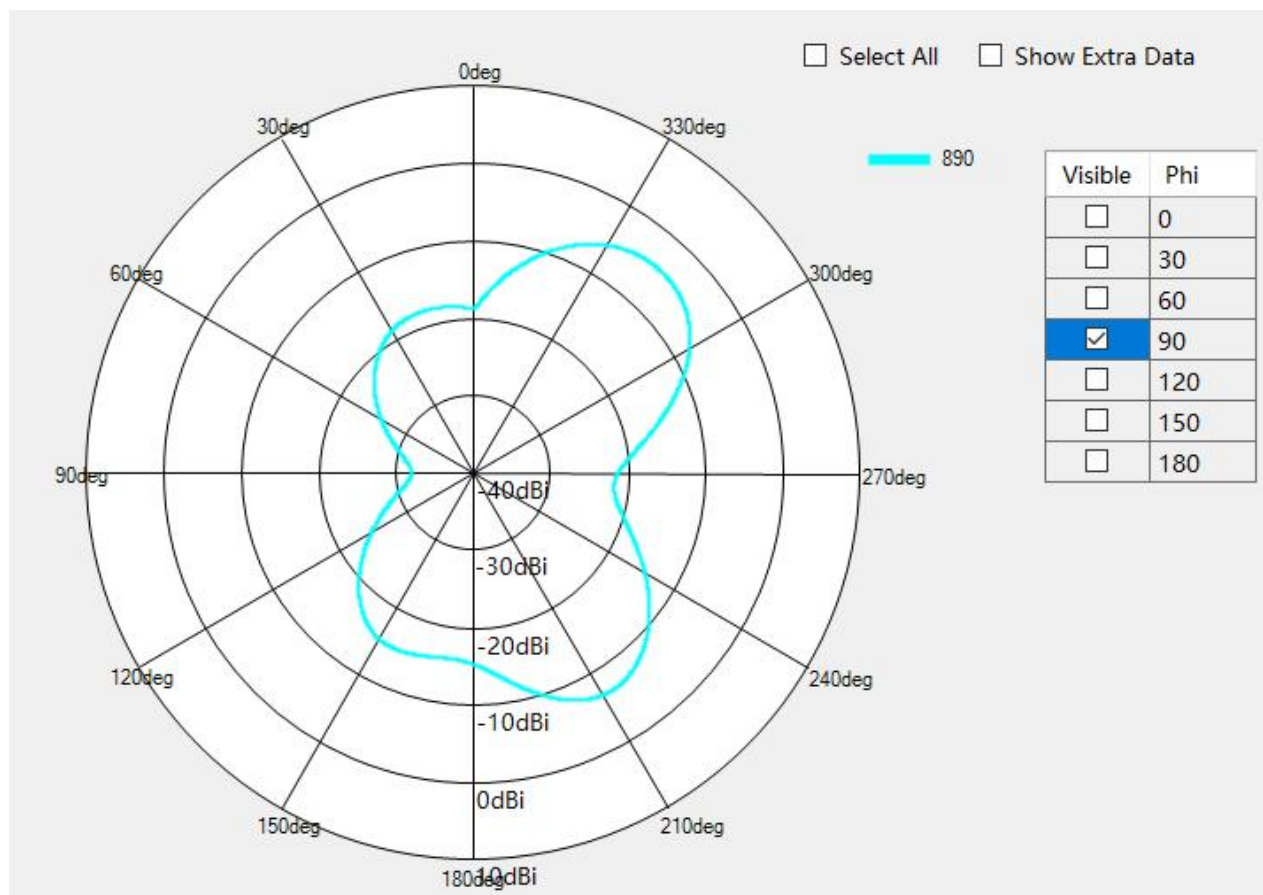
G850 W5 /B5/20/26

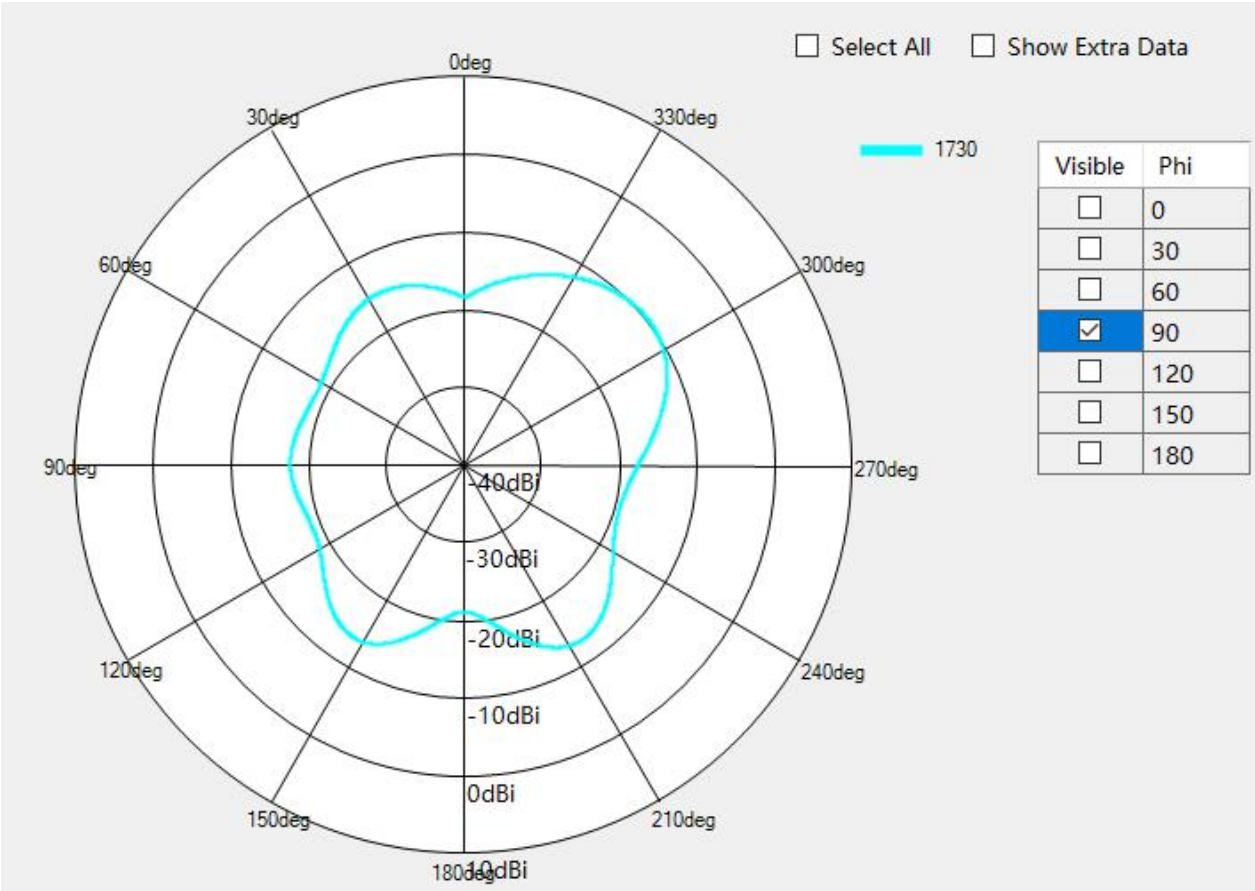
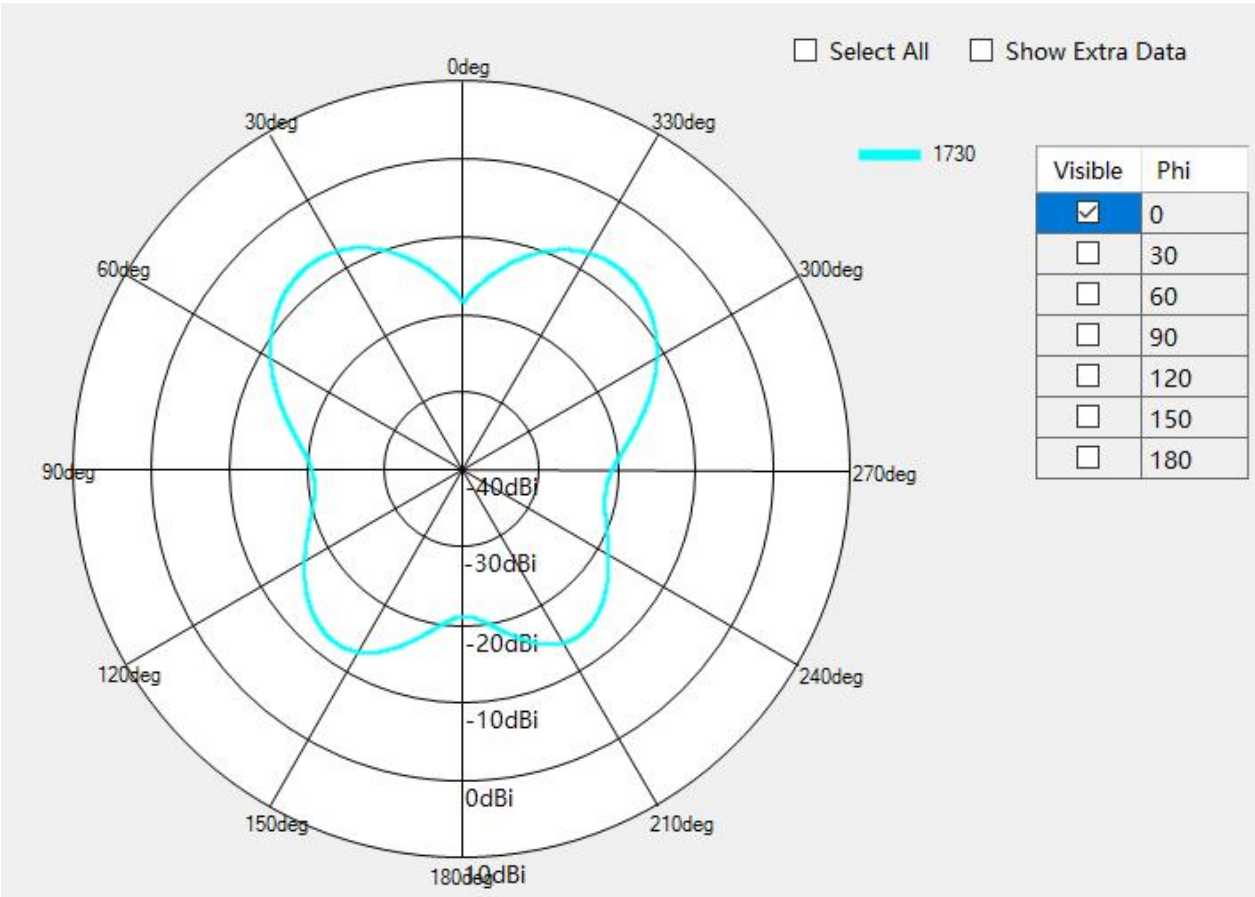


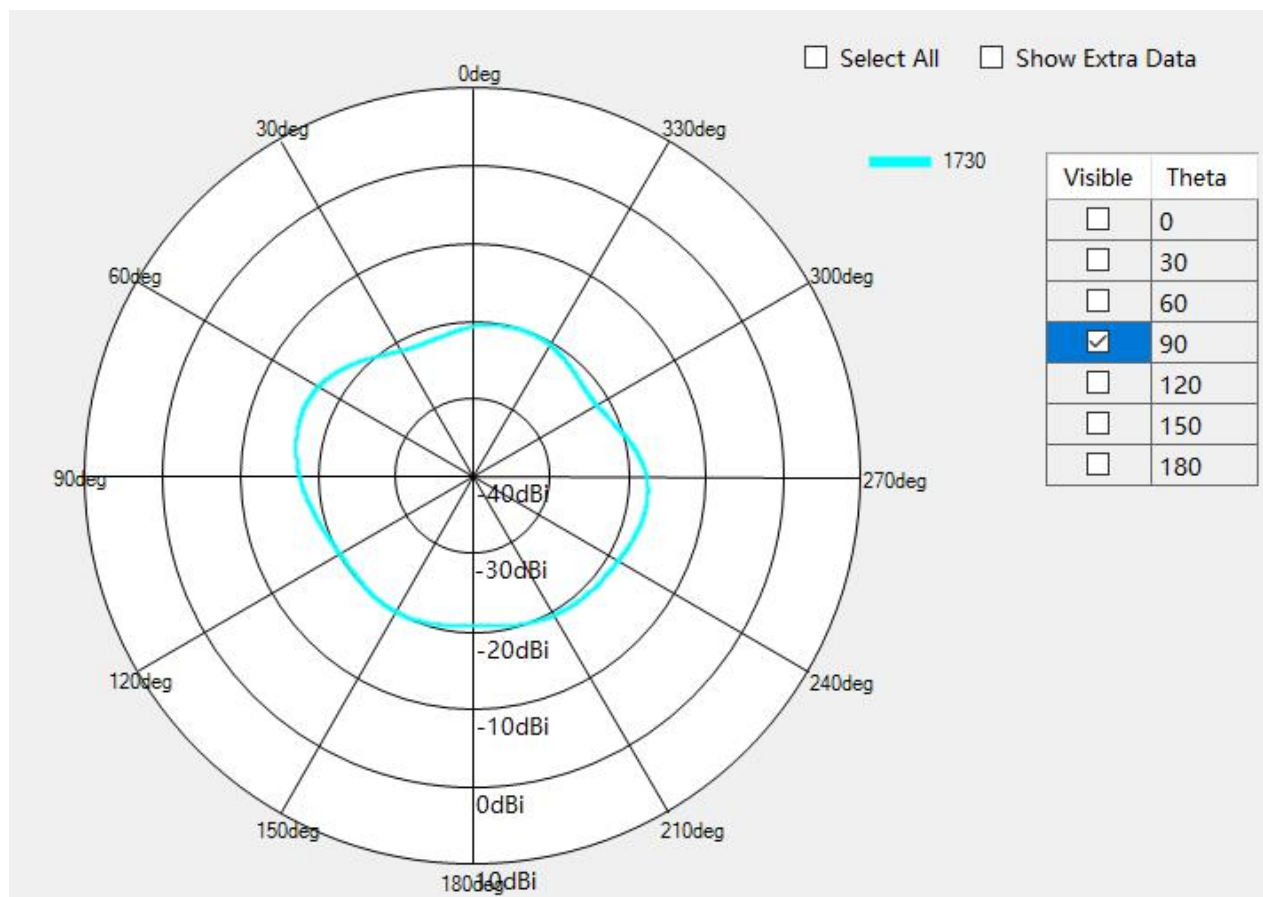


G900 / W8/B8

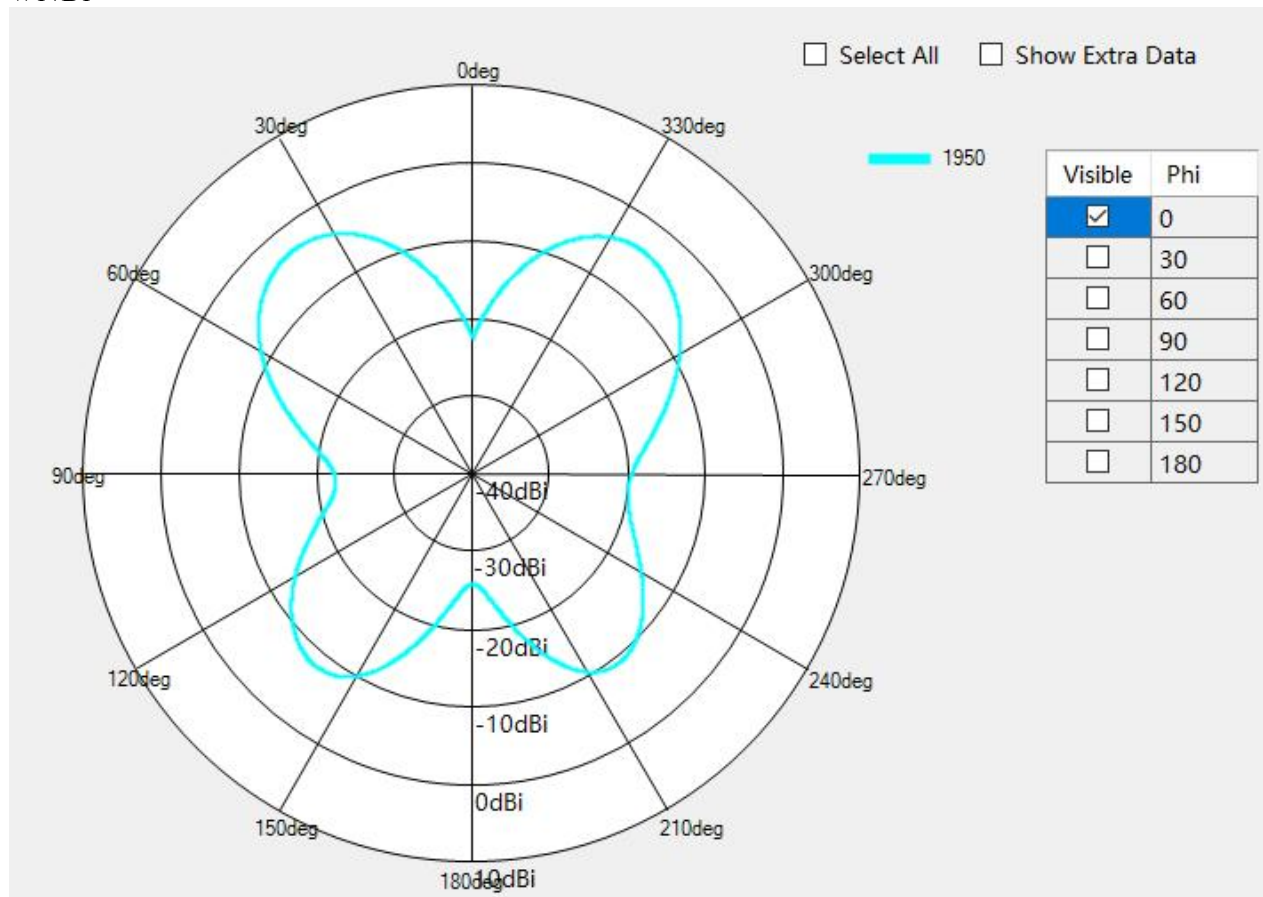


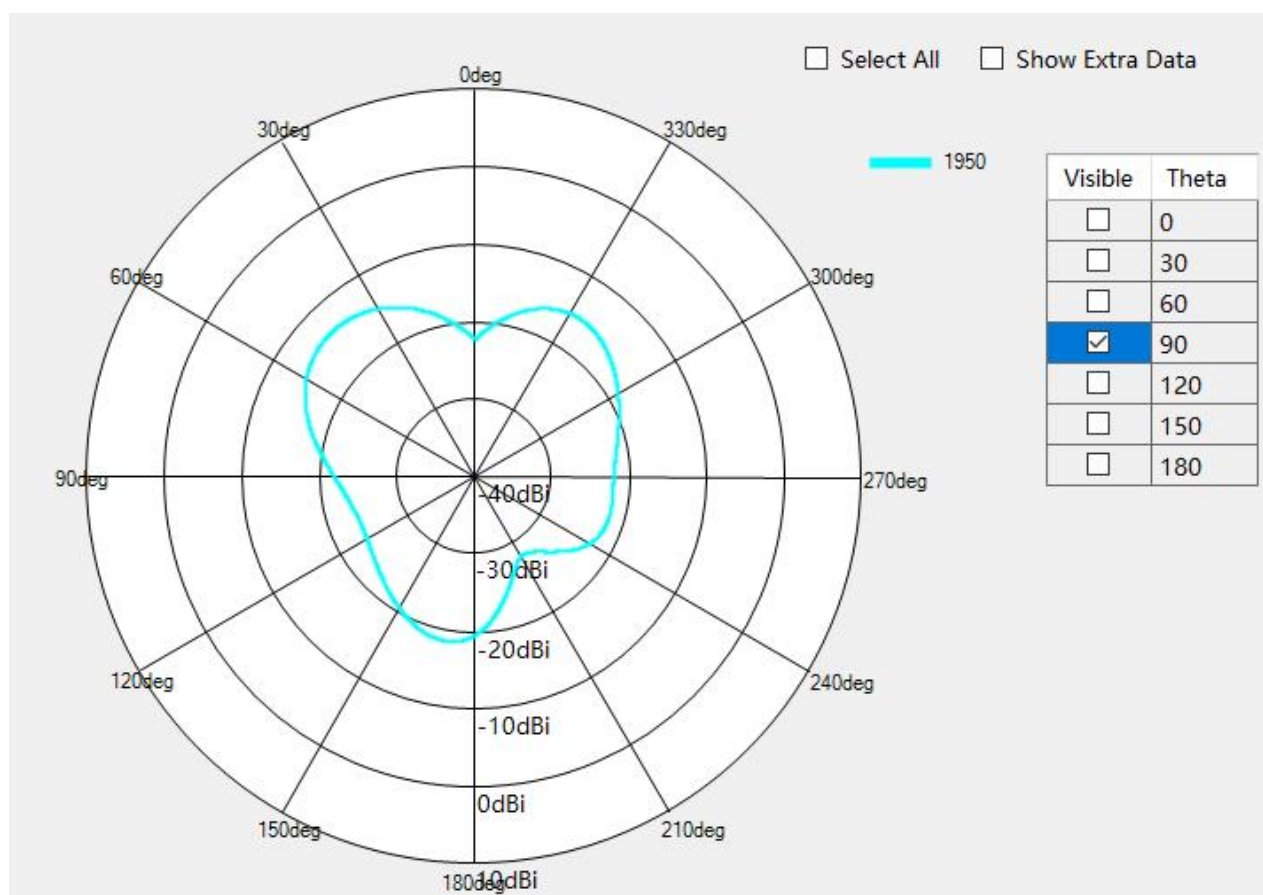
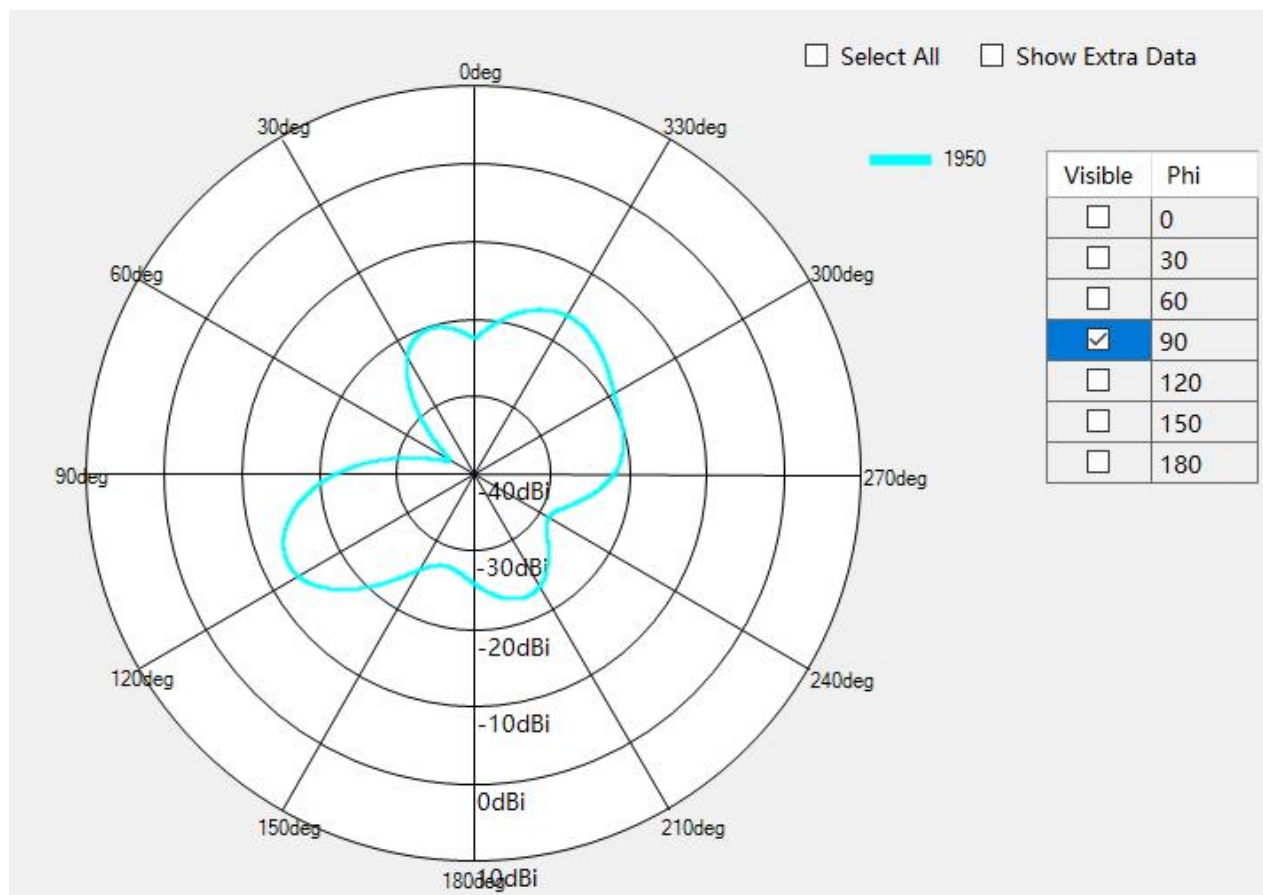


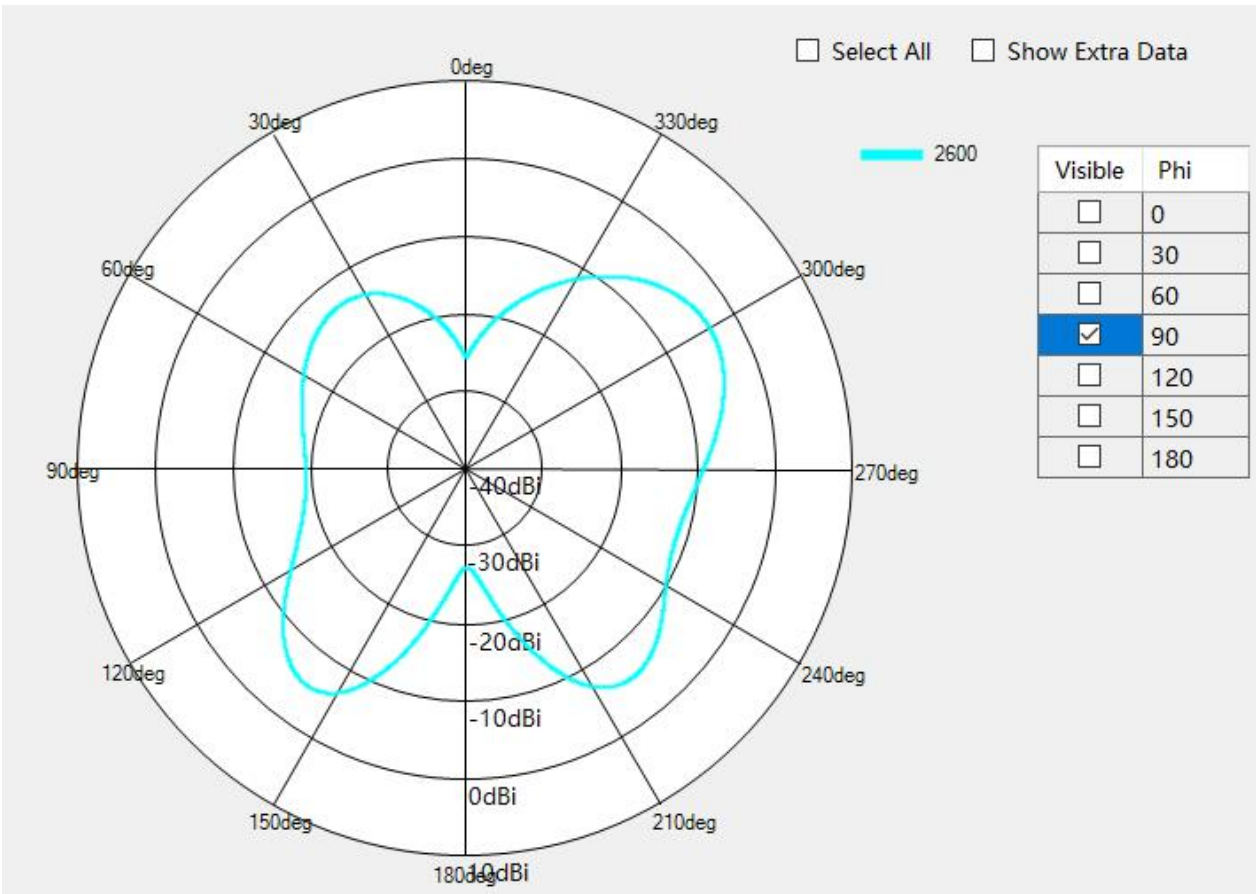
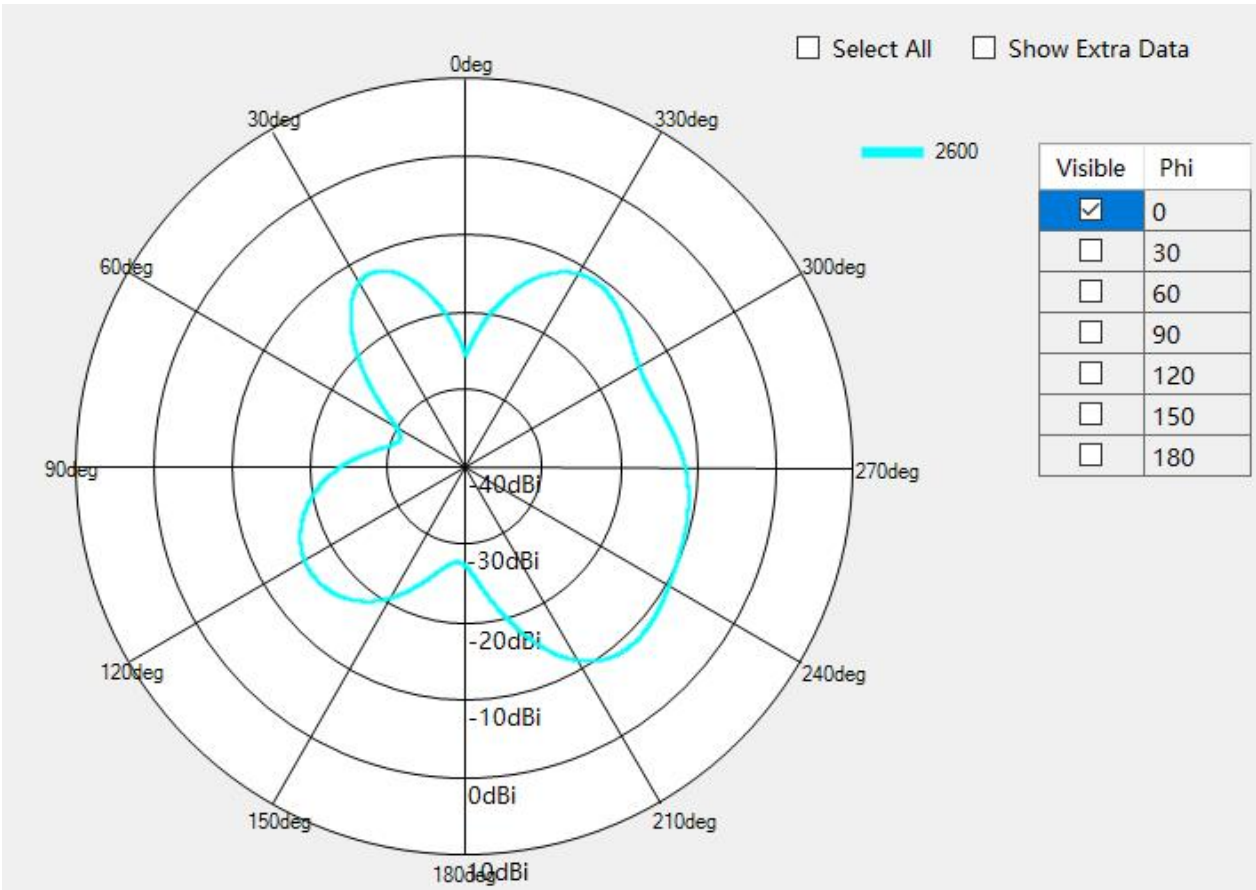


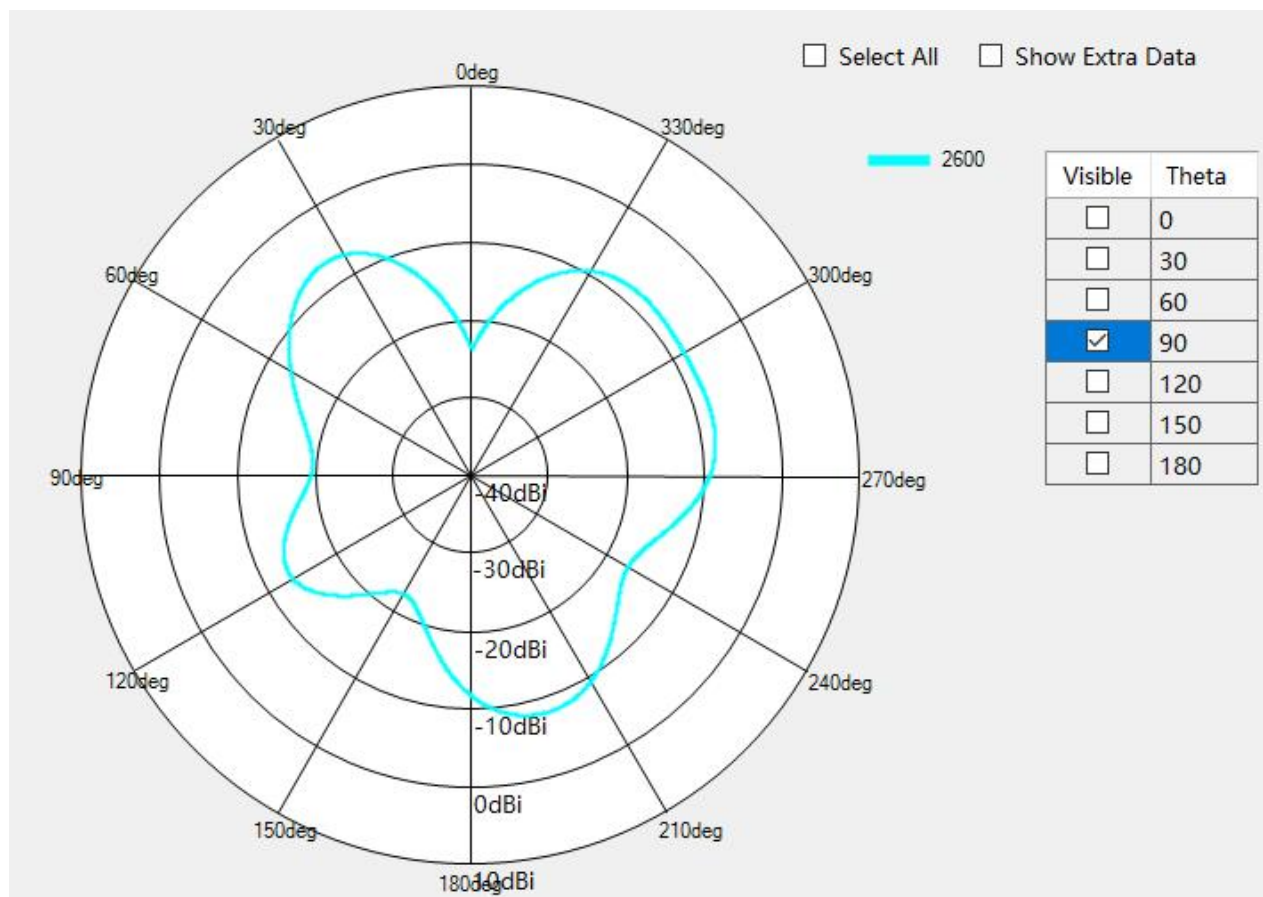


W1/B1

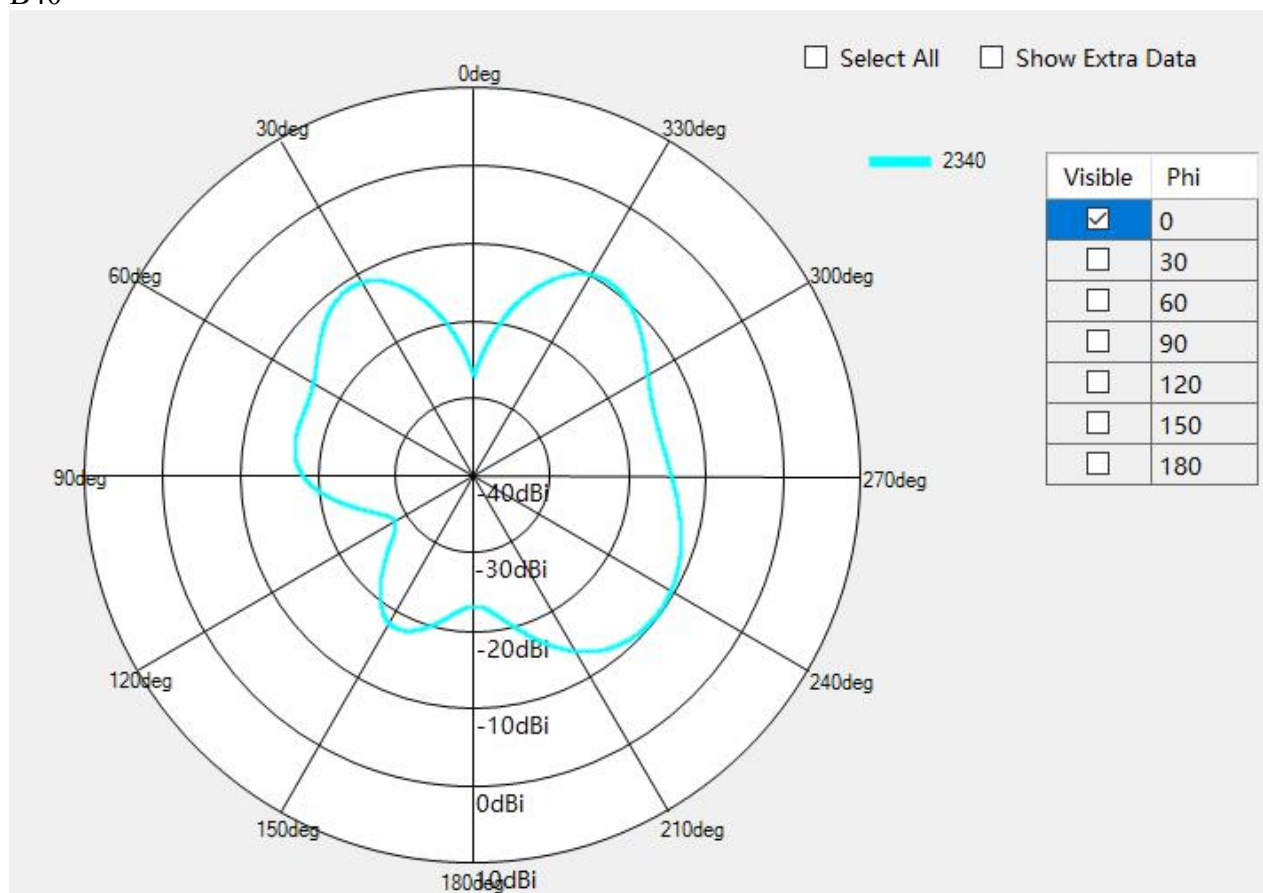


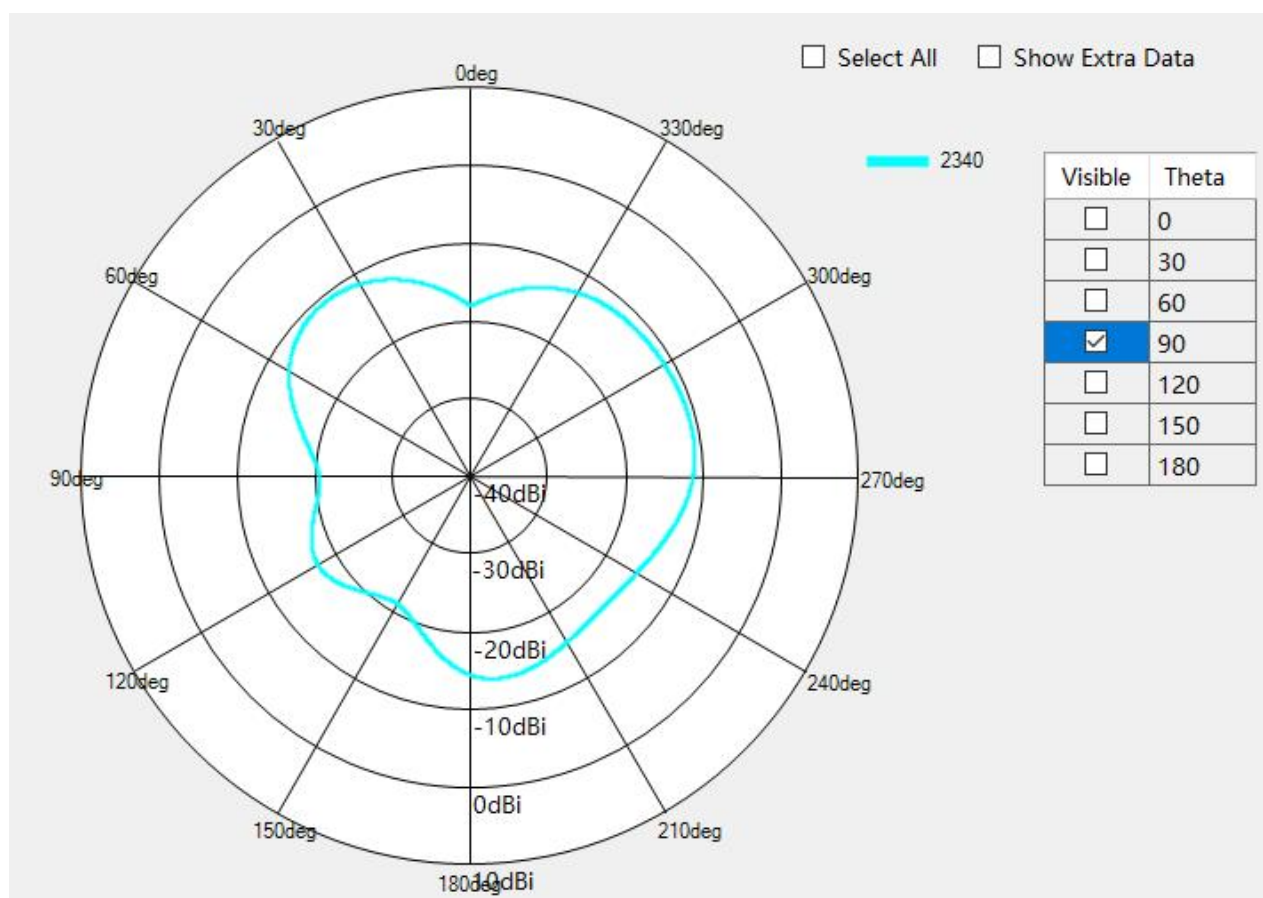
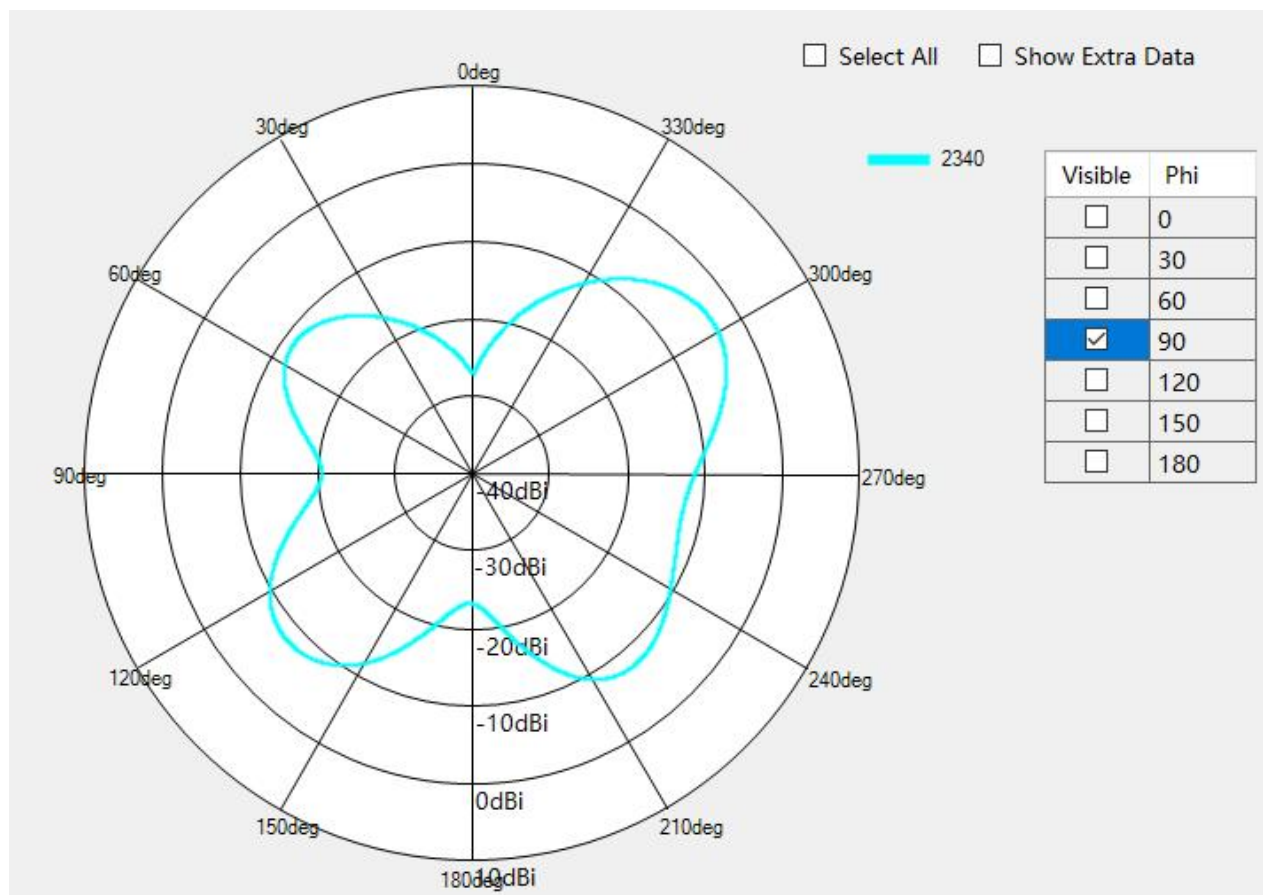


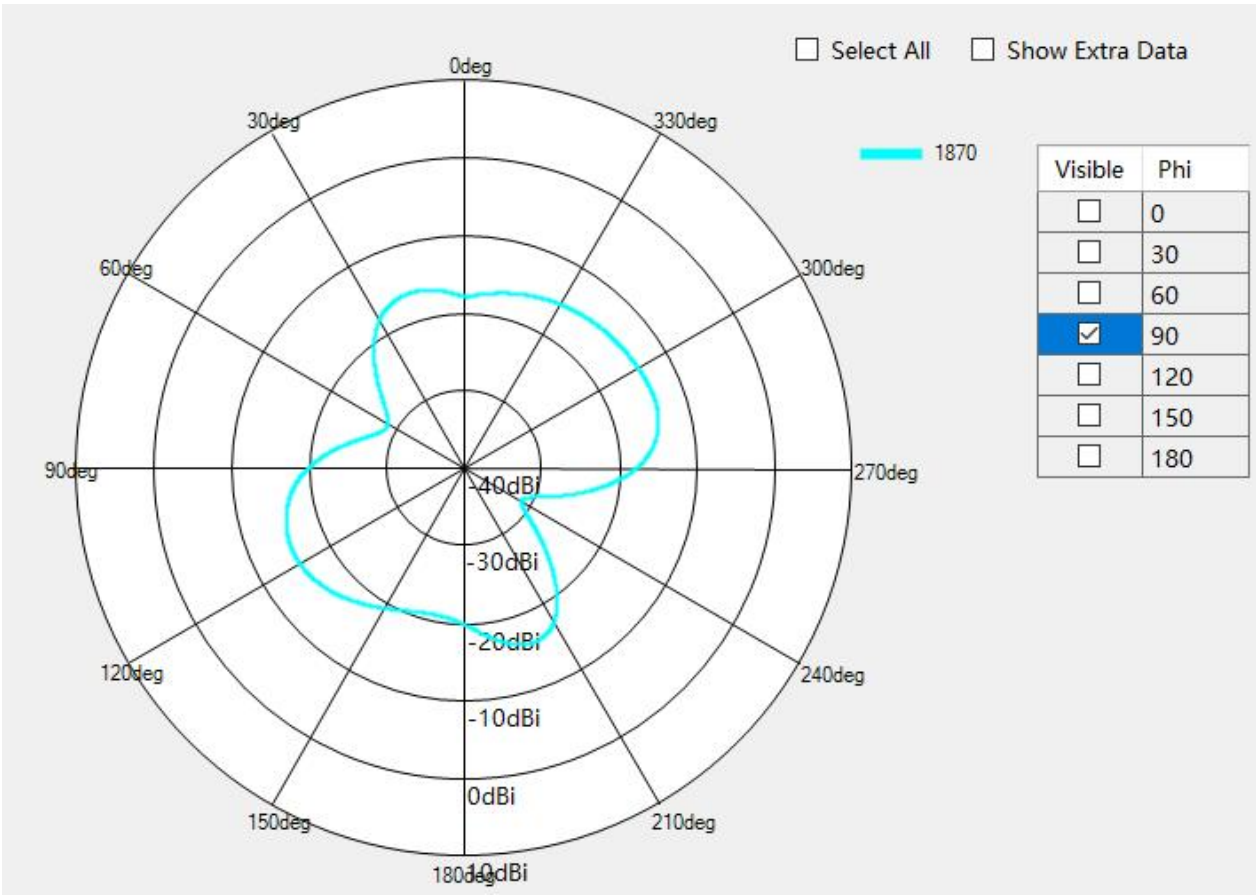
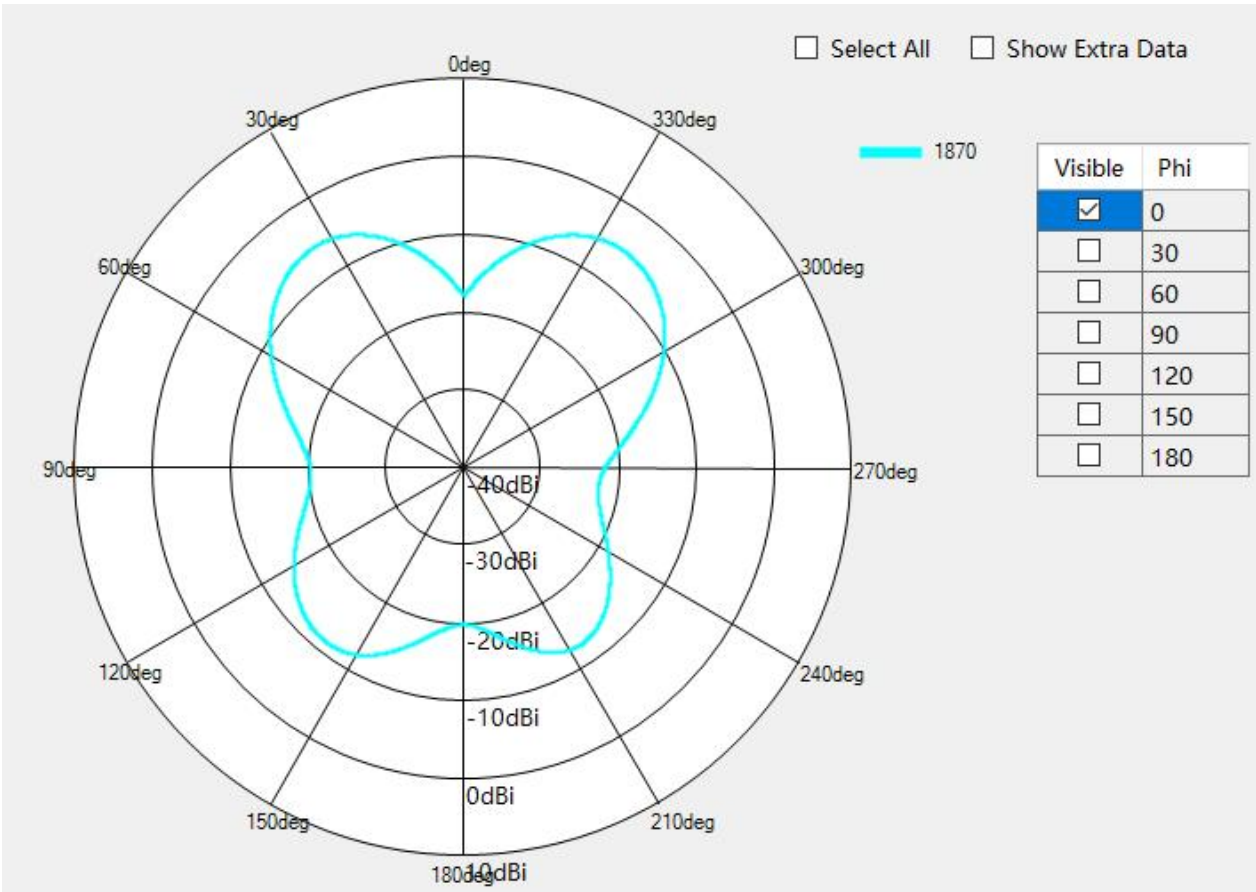


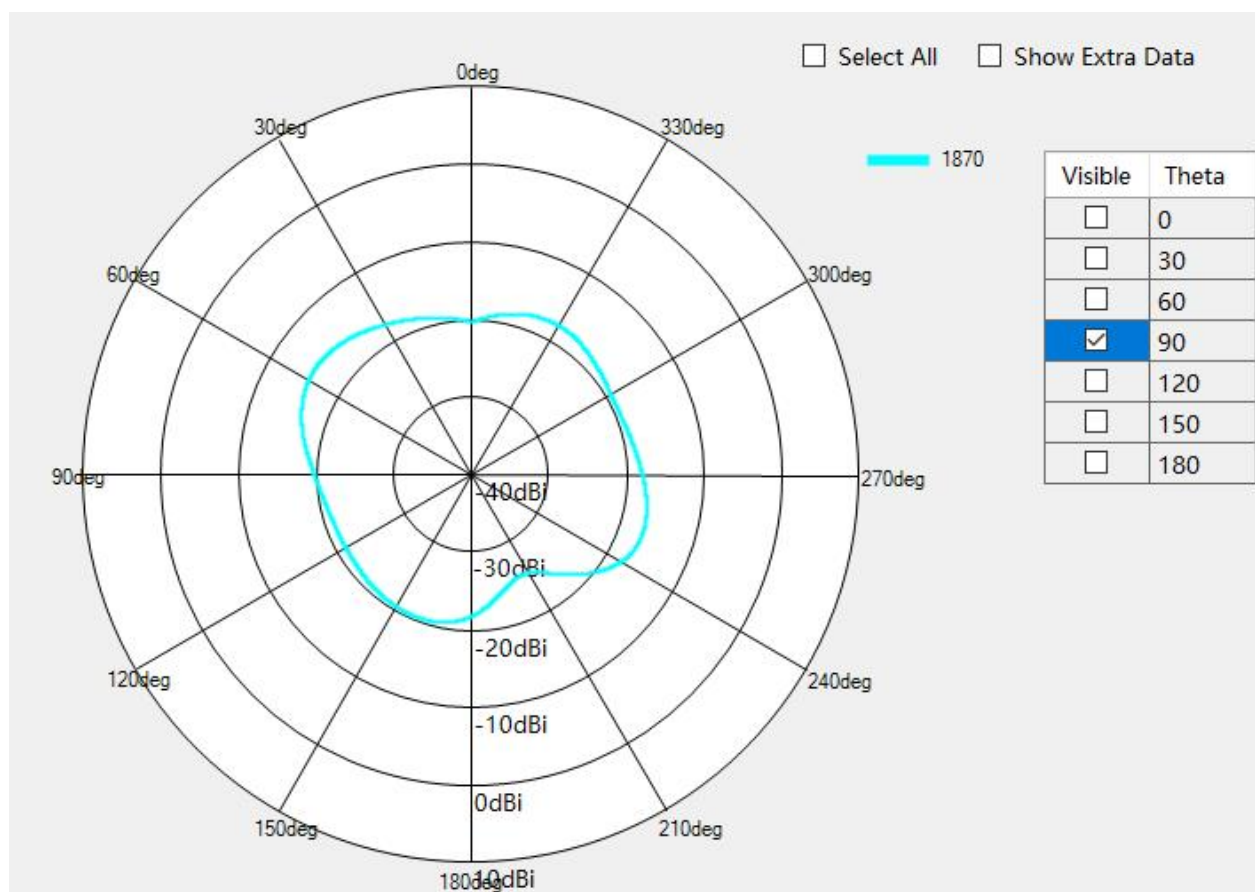


B40

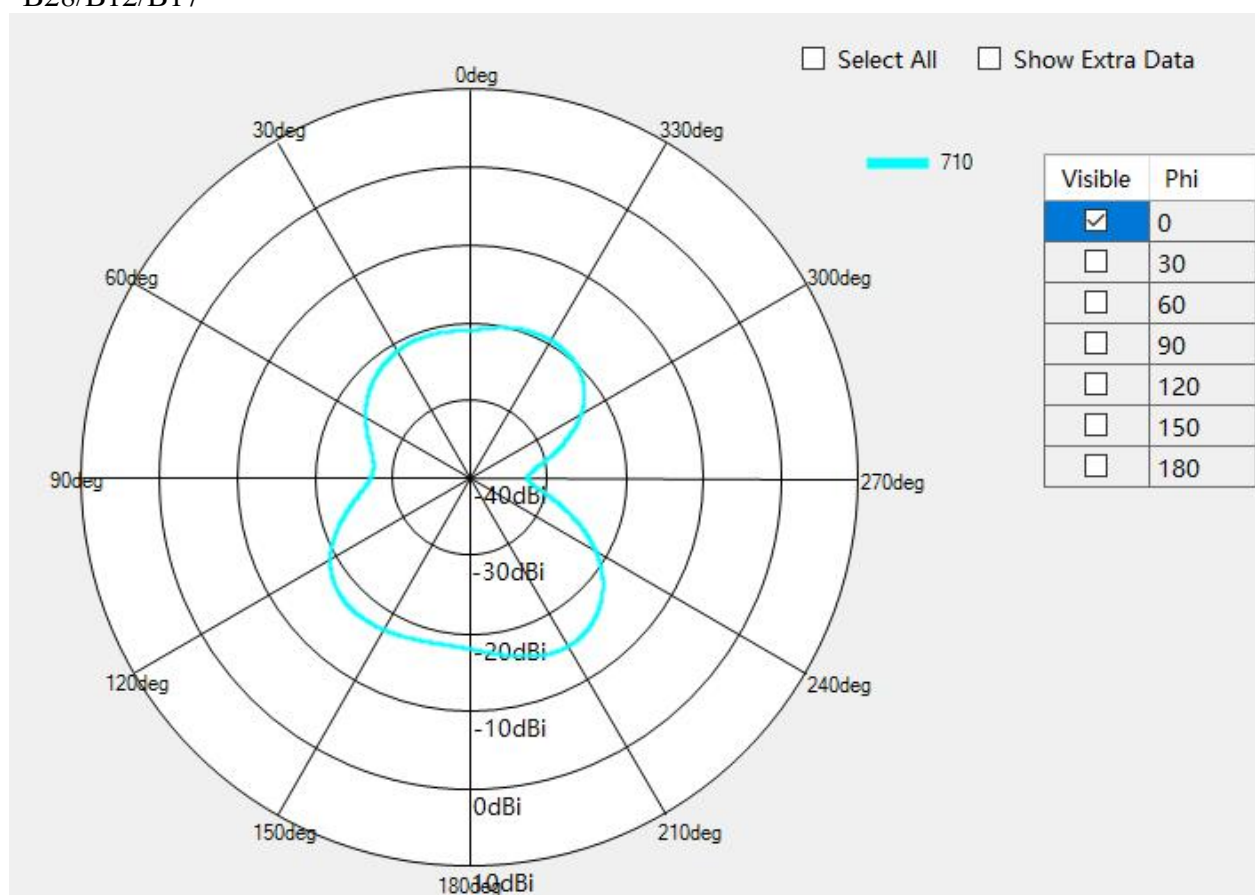


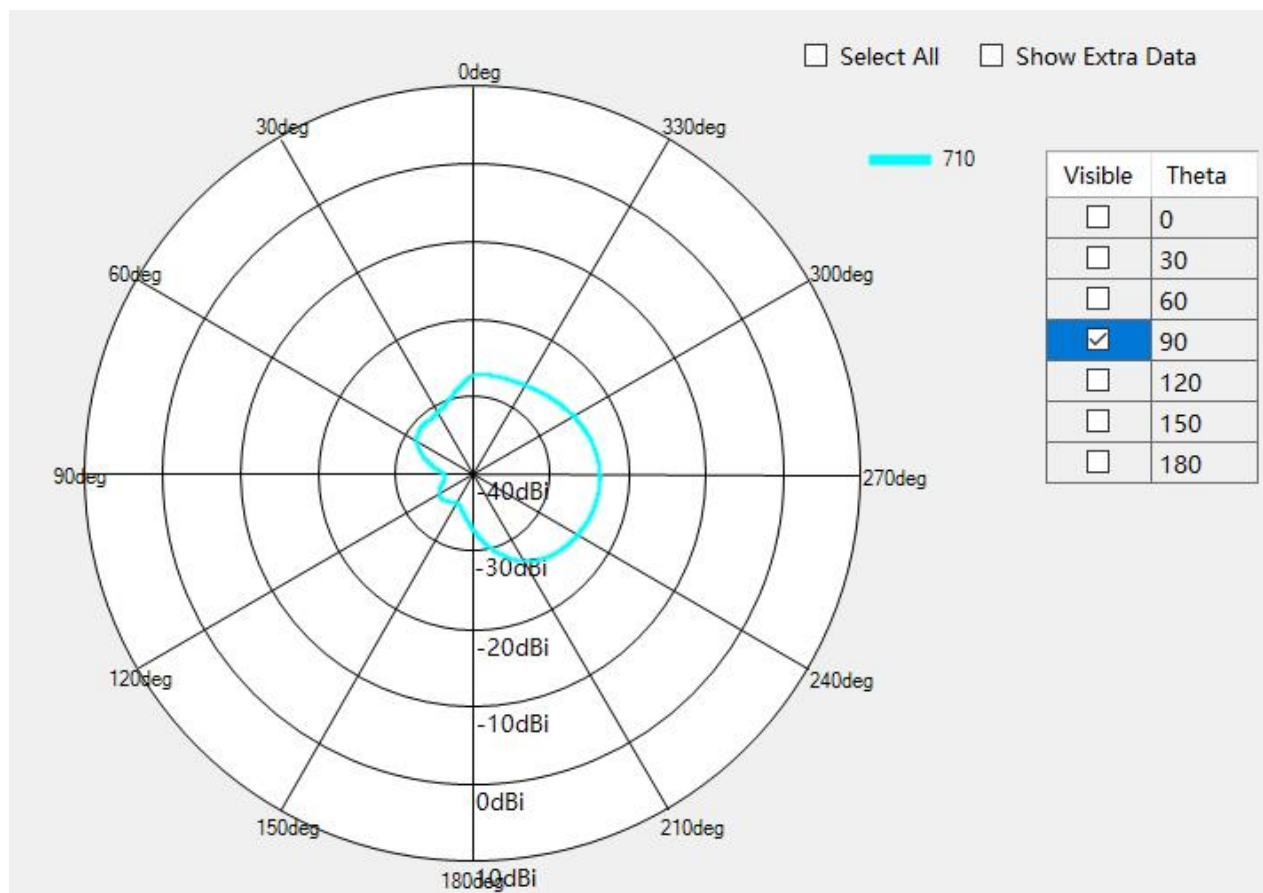
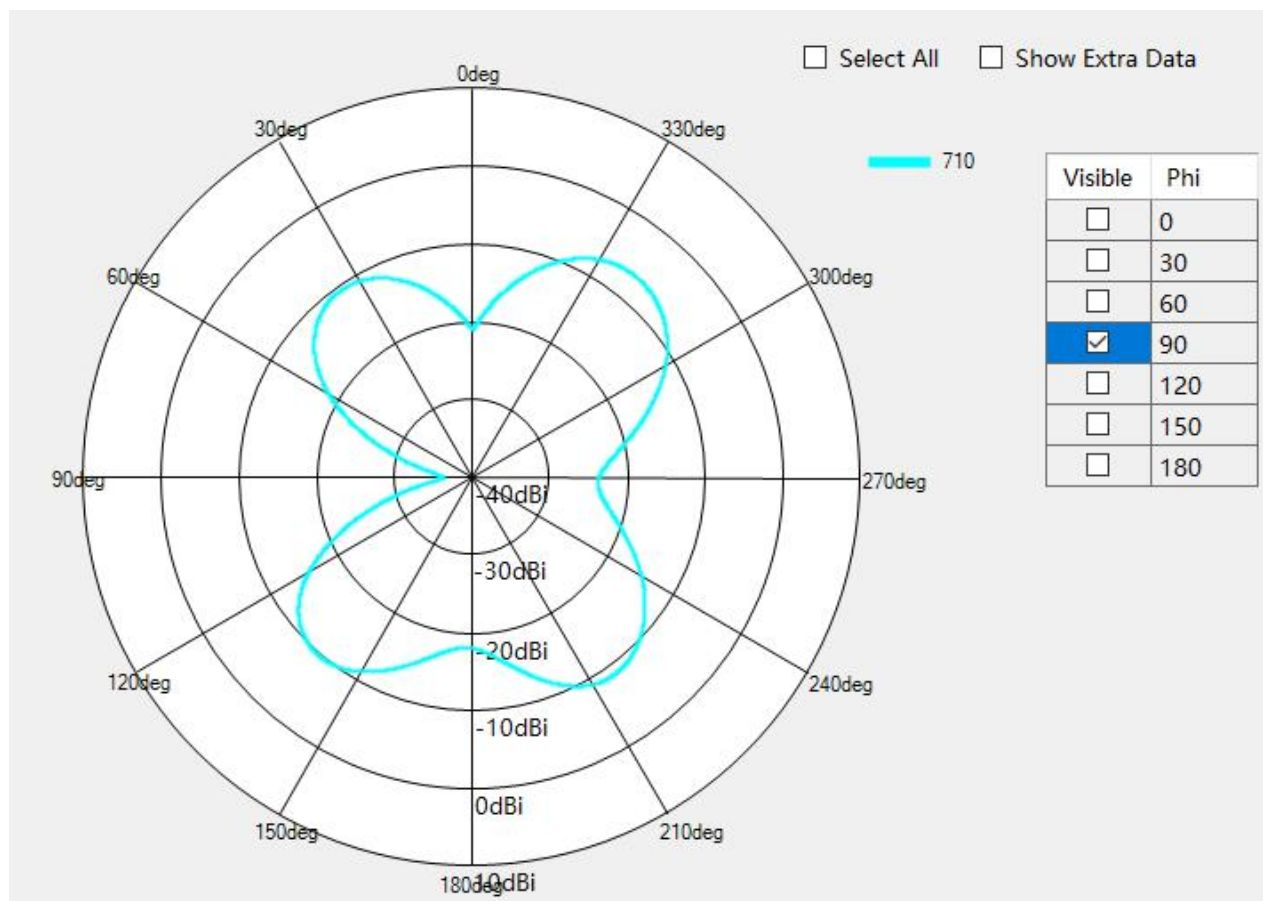






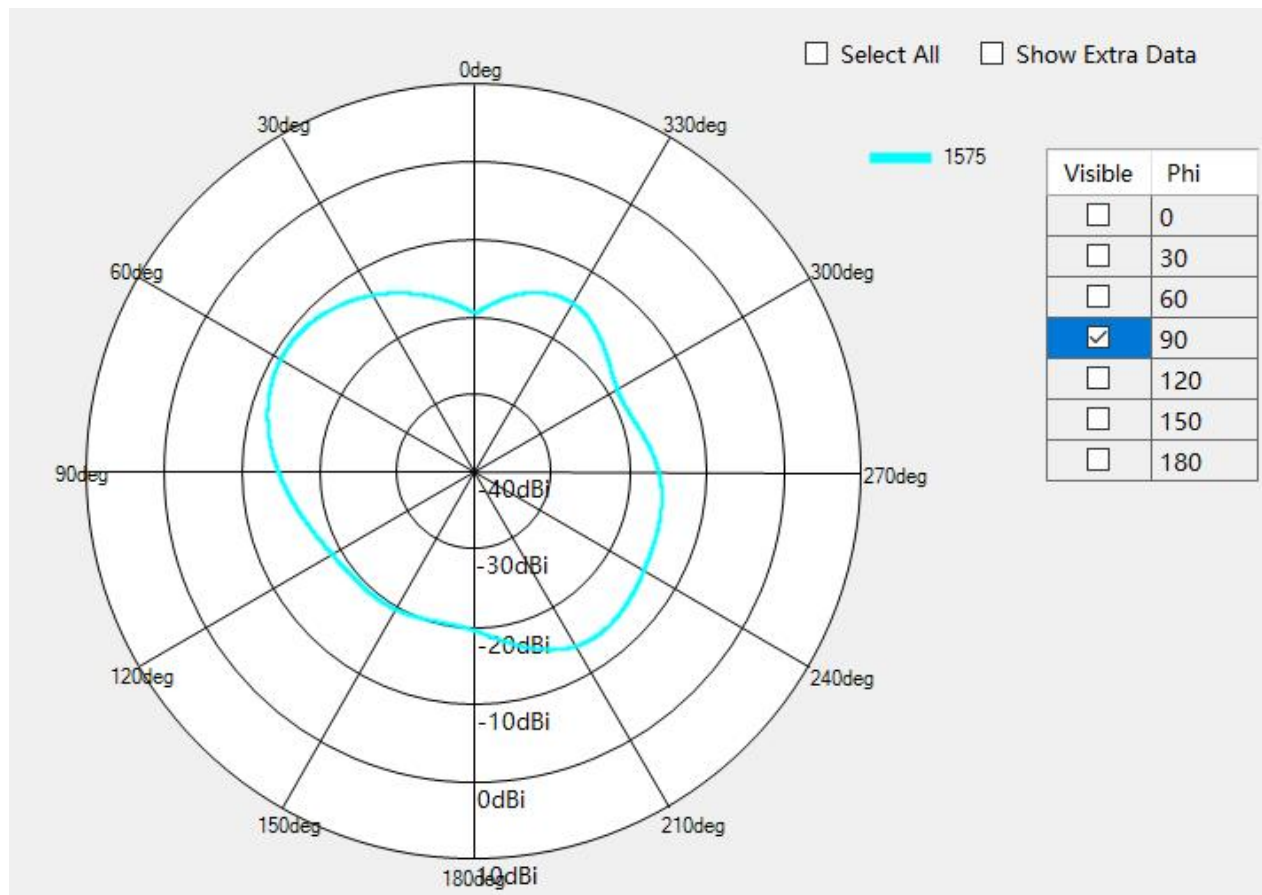
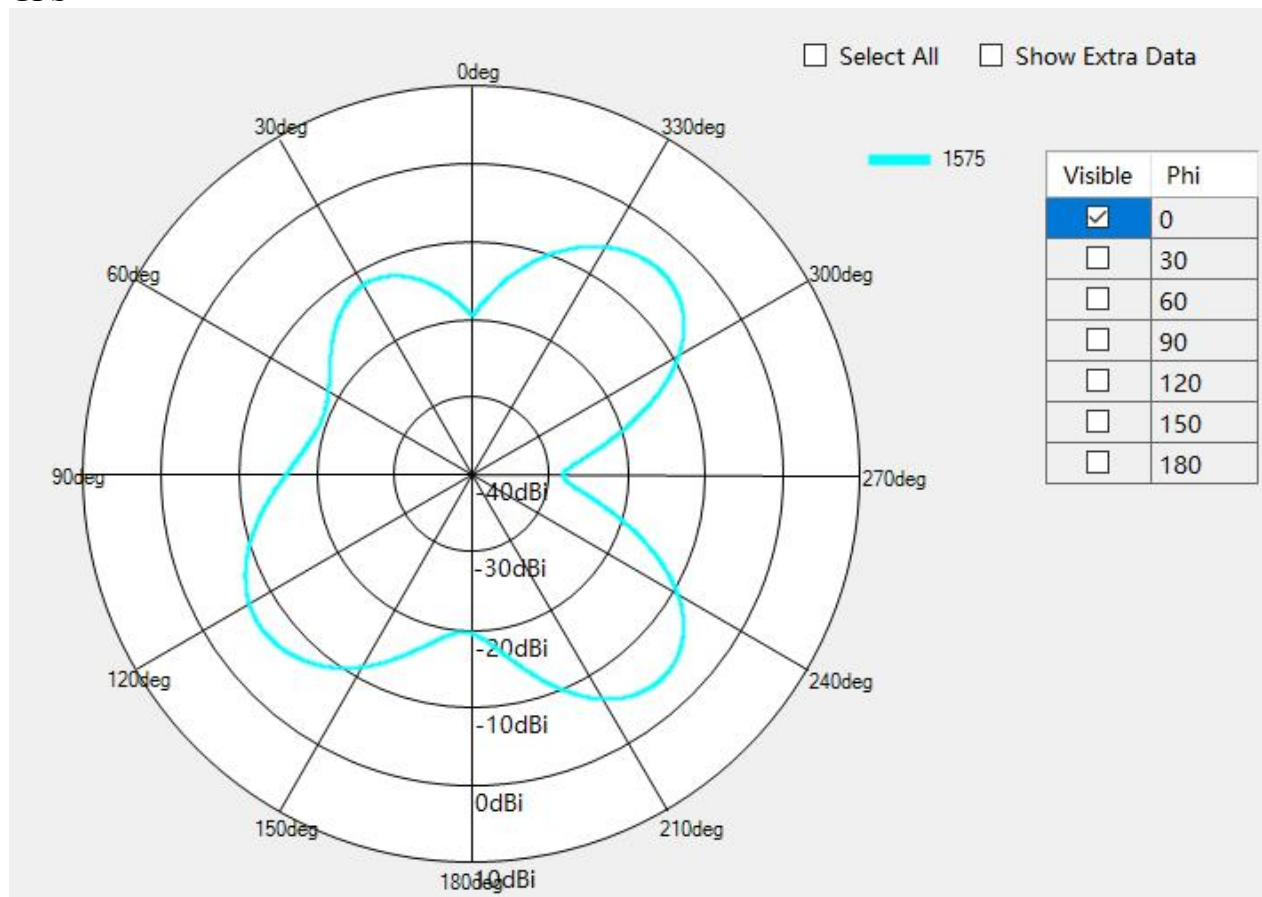
B28/B12/B17

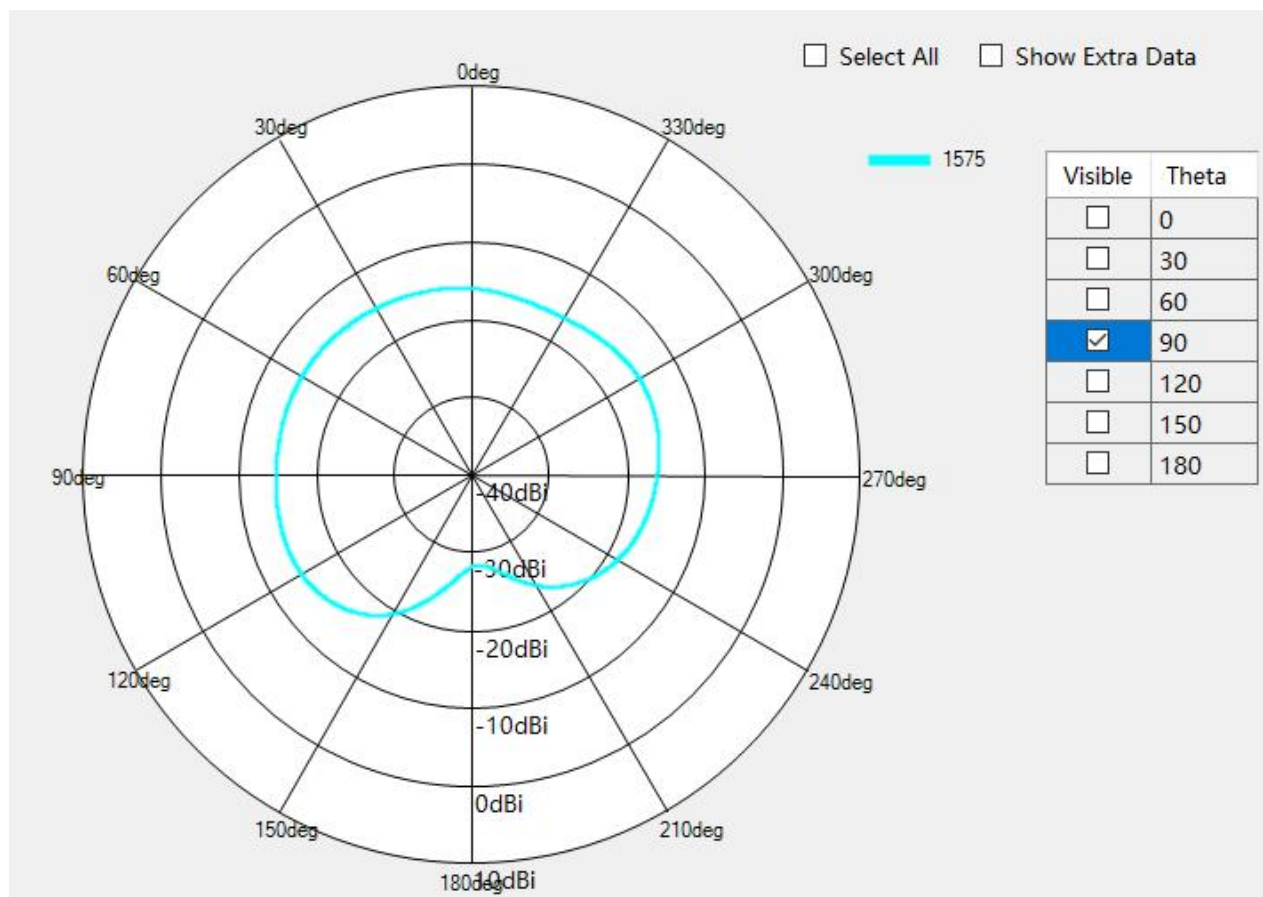




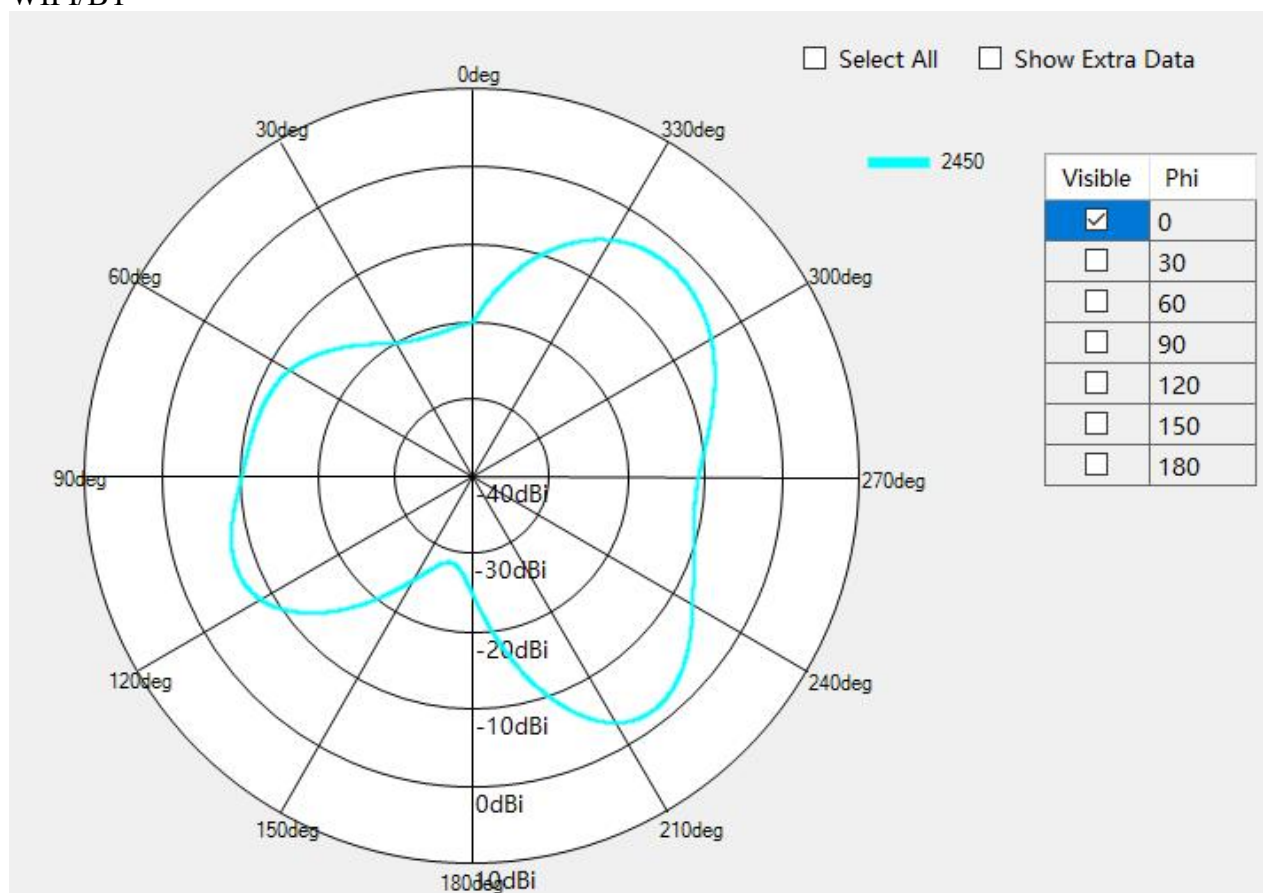
Three-in-one antenna

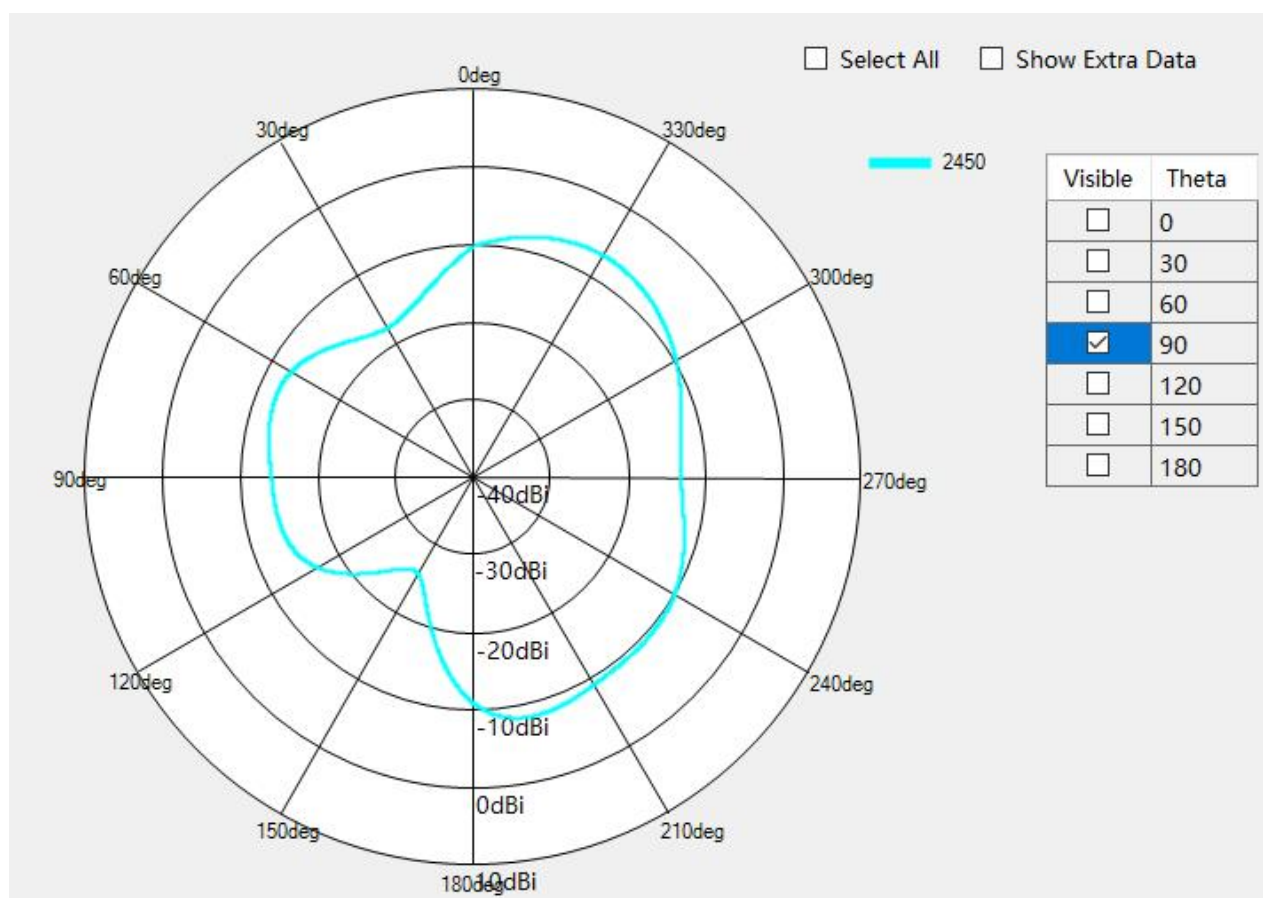
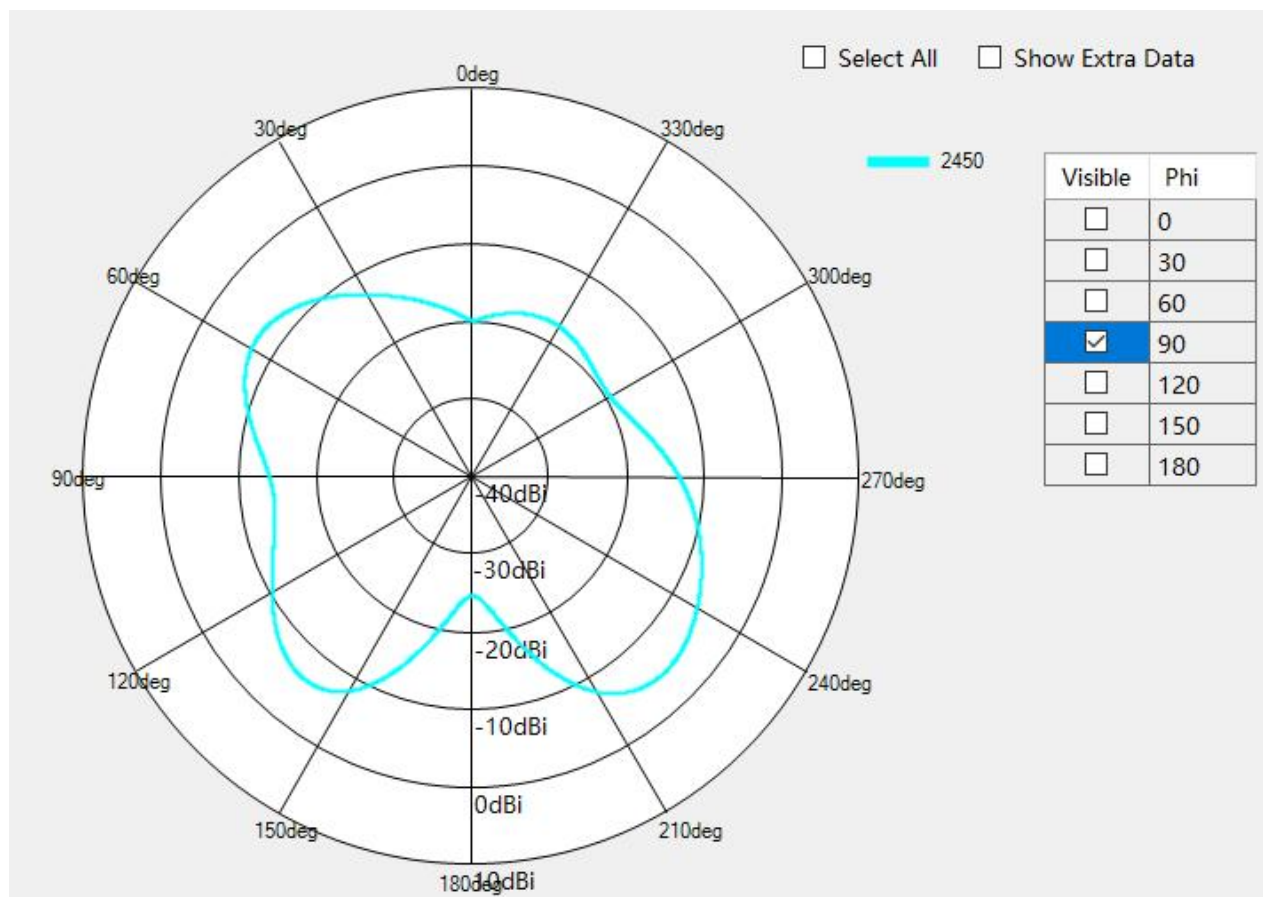
GPS





WIFI/BT





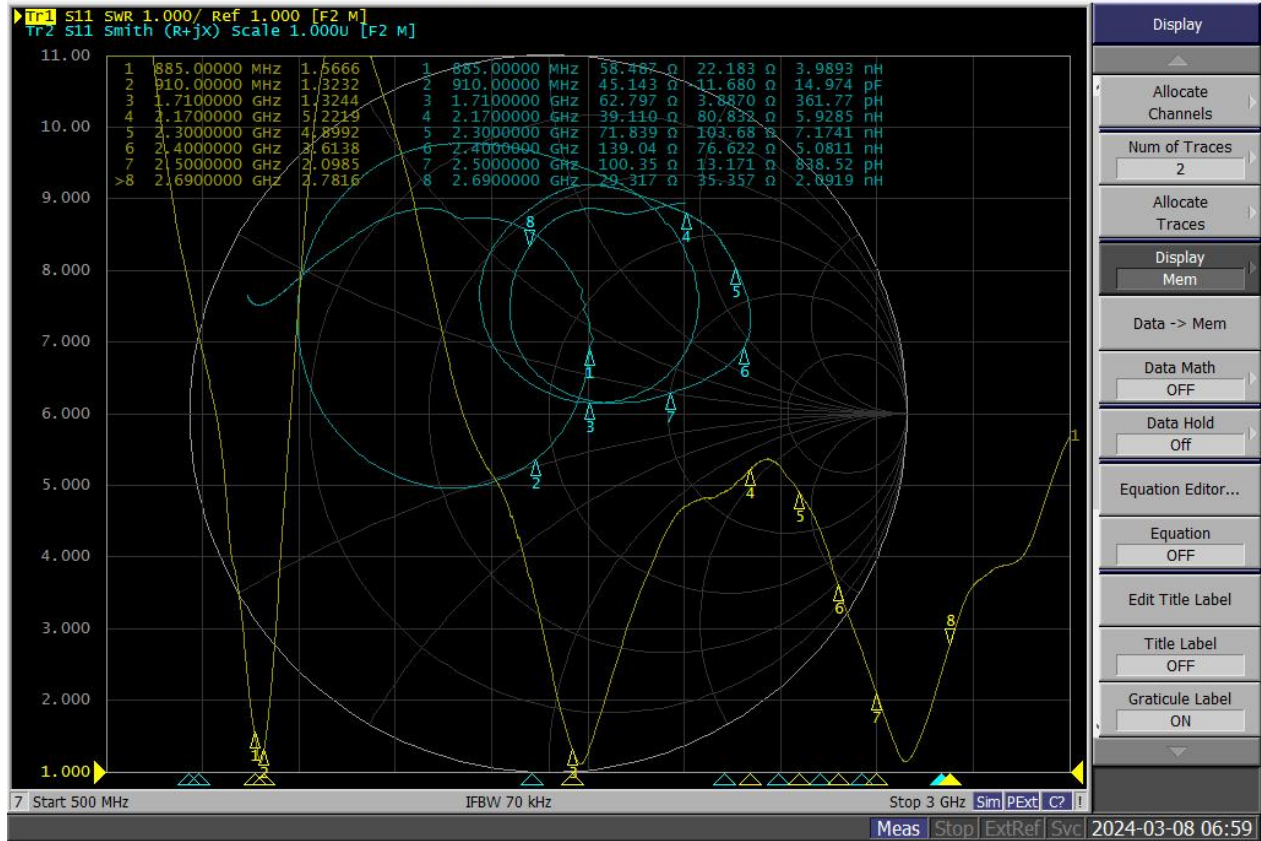
※S11:

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

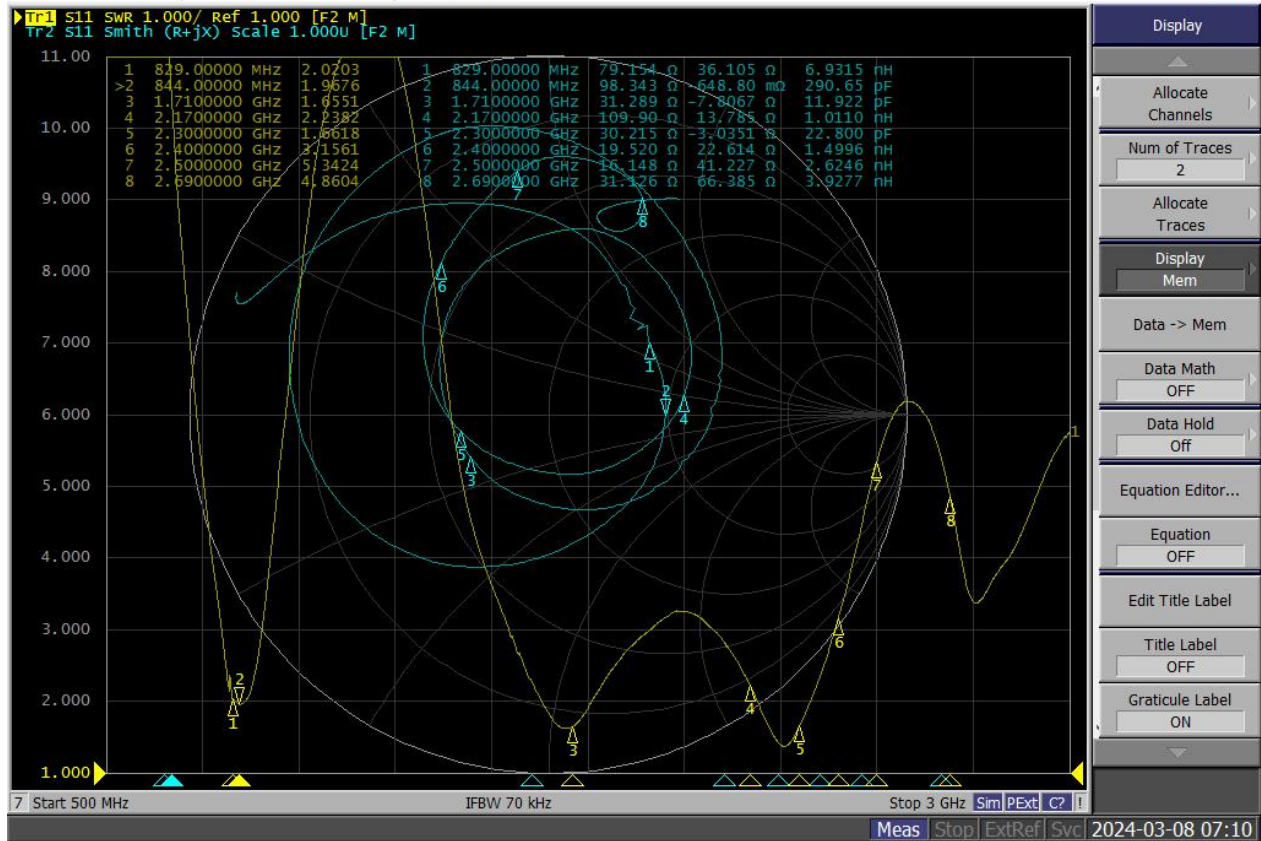


GSM850/W5/B5/B20/B40

E5071C Network Analyzer

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Resize

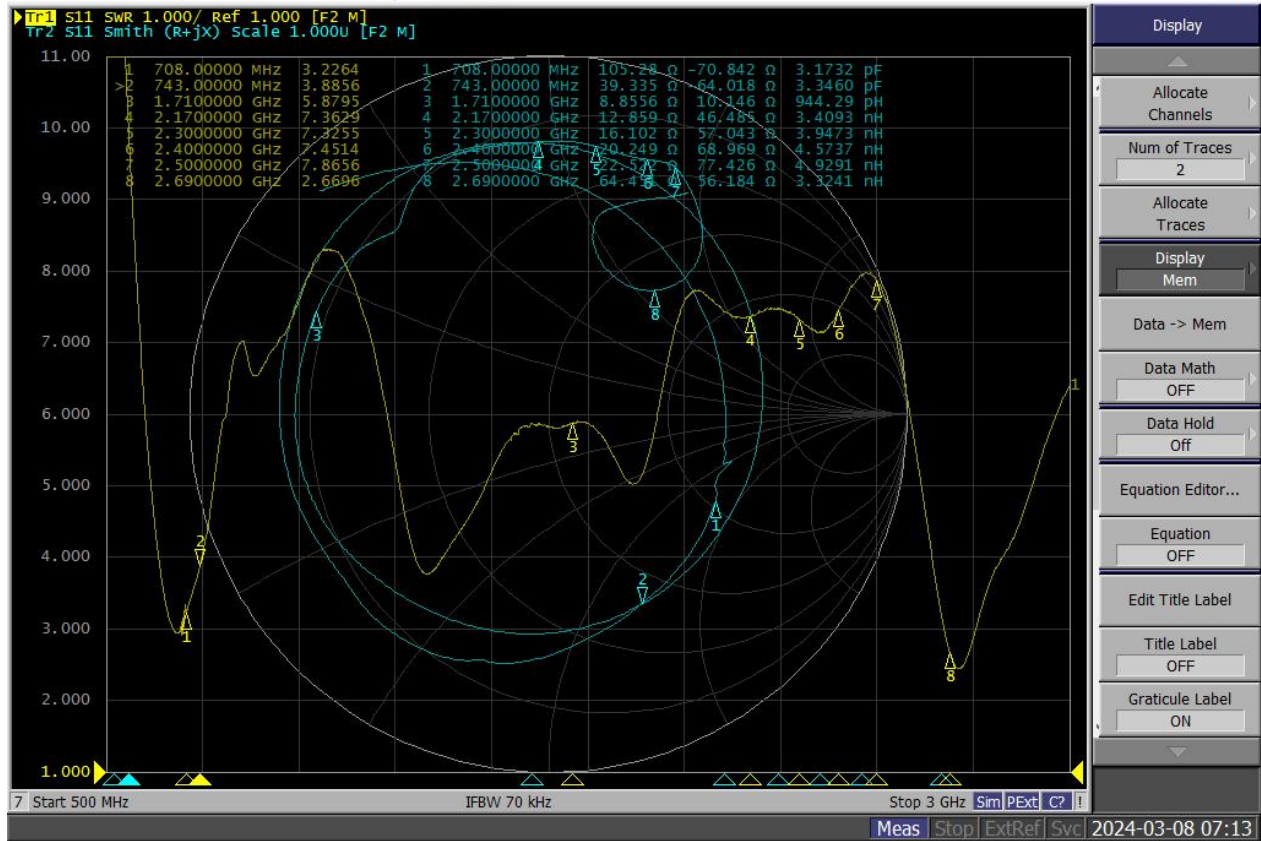


B12/B17/B28

E5071C Network Analyzer

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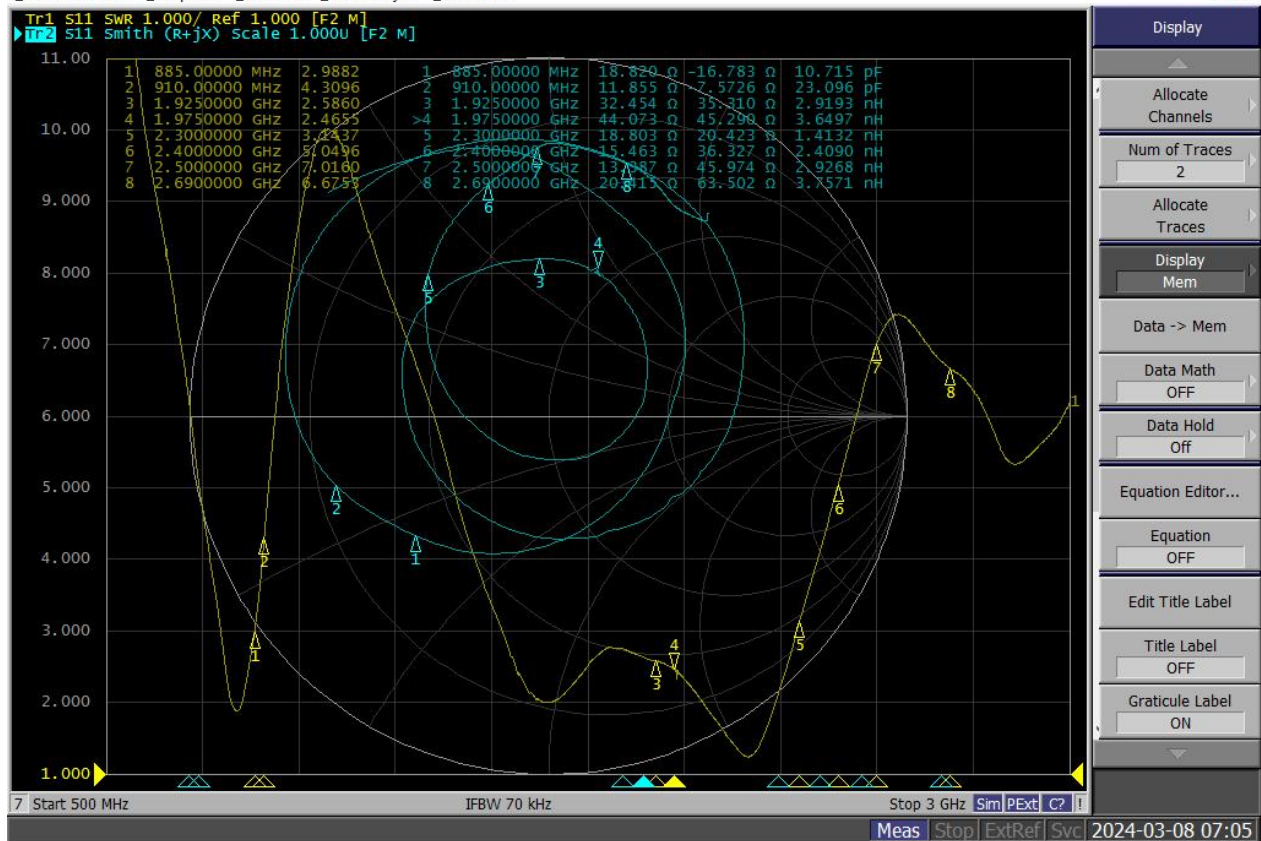


G1900/W1/W2/B1/B2/B26

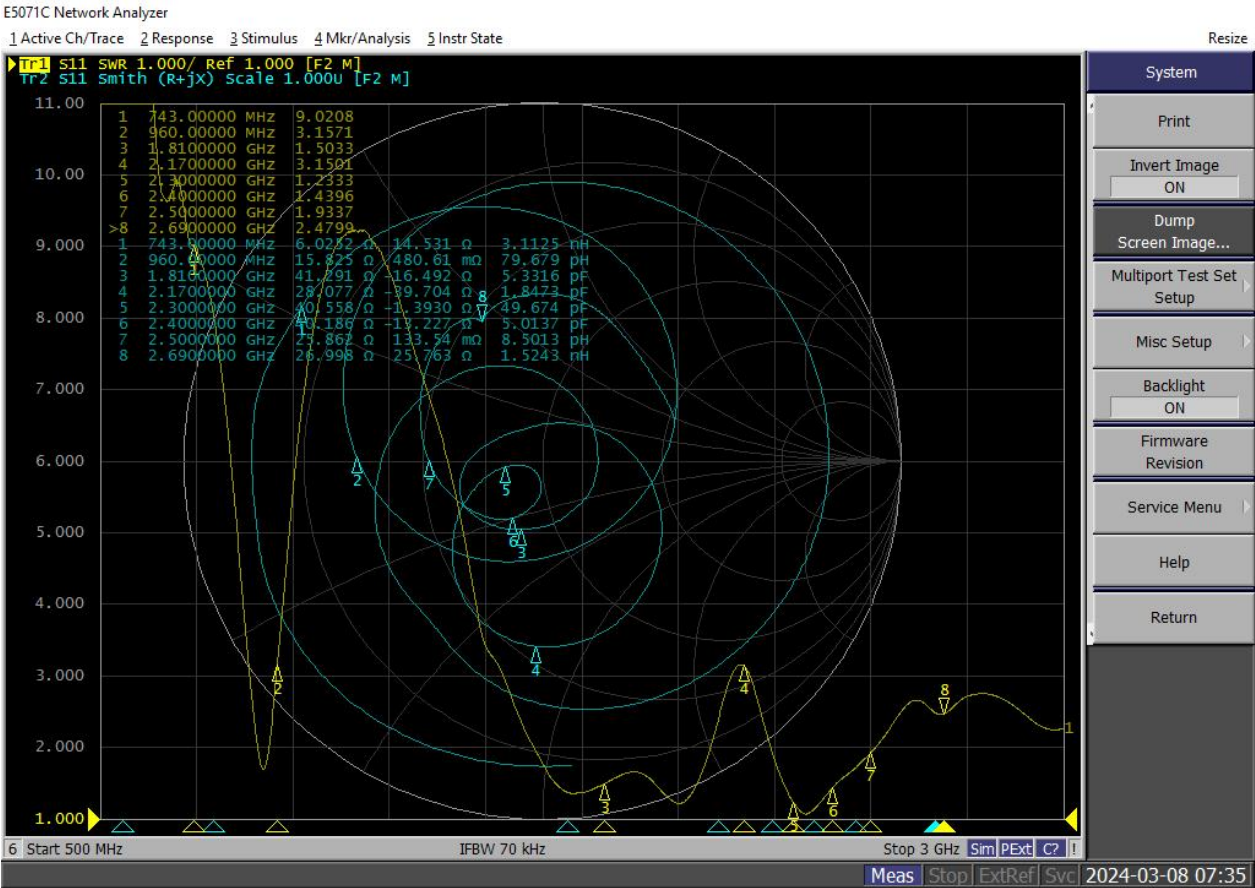
E5071C Network Analyzer

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

Resize



DIV Antenna



Three-in-one antenna

