

Feature

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

Application

I1 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

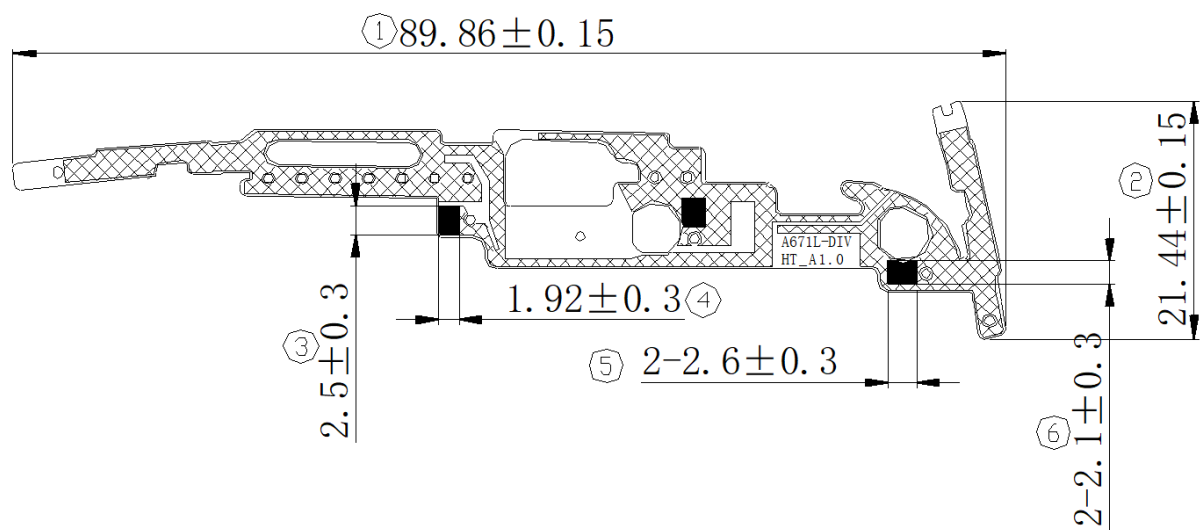
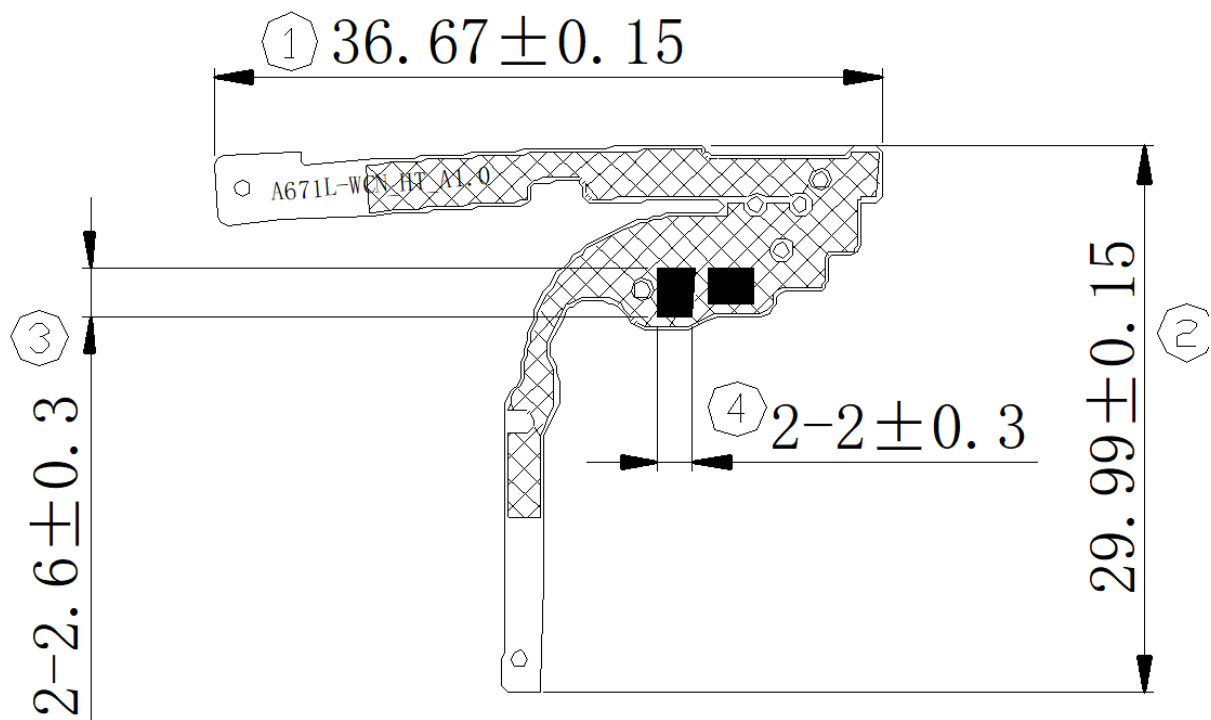
- ※Antenna manufacturer

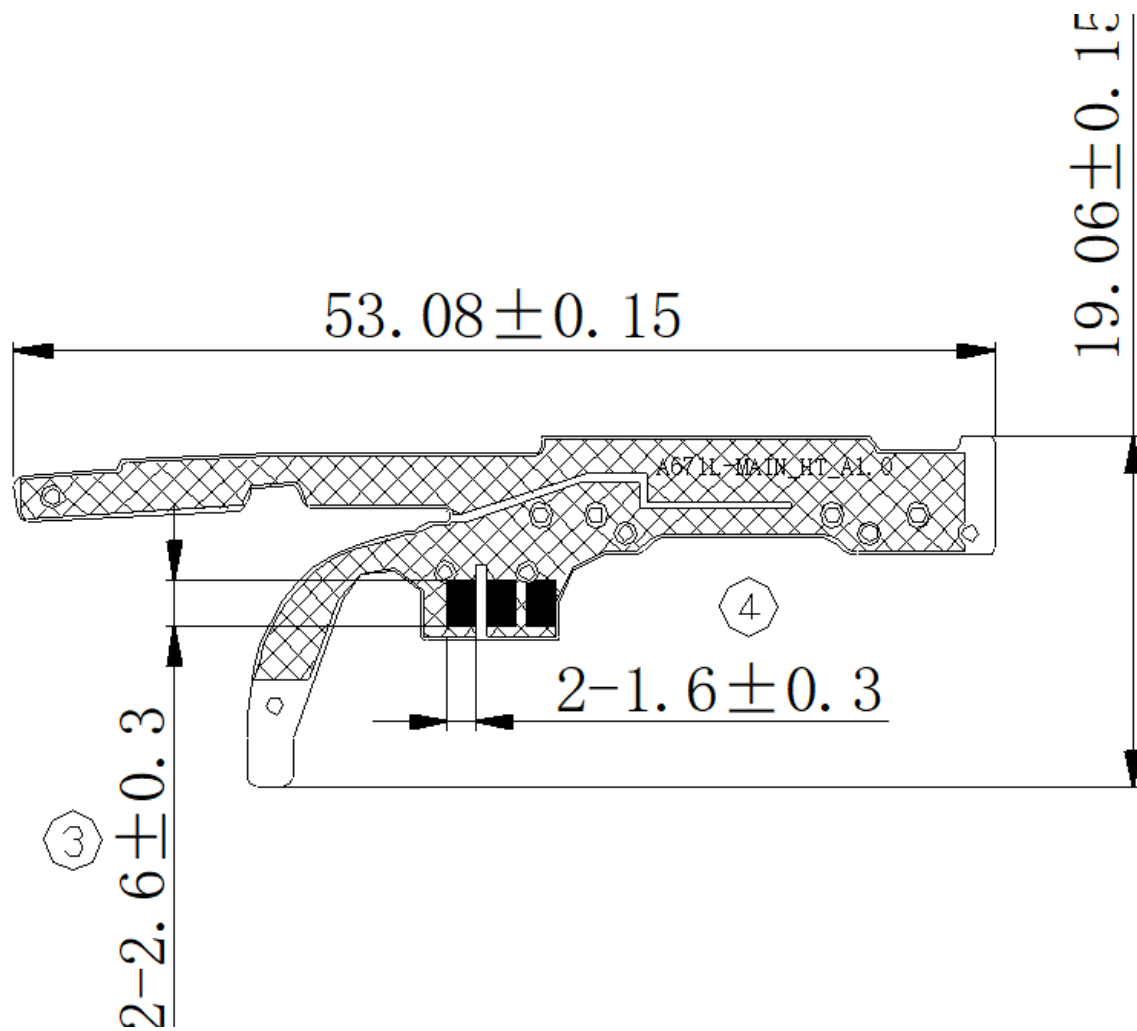
Zhejiang Haitong communications electronic Limited

浙江海通通讯电子股份有限公司

Zhejiang Haitong communications electronic Limited by Share Ltd Xi'an R & D Center

- ※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 B28A: 703~733MHz(TX) LTE B28B: 718~748MHz(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
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 B28A: 758~788MHz(RX) LTE B28B: 773~803MHz(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 (Upper antenna)	GSM850: -4.38 dBi GSM900: -4.83 dBi DCS1800: -3.54 dBi DCS1900: -2.69 dBi WCDMA 850: -4.38dBi WCDMA 900: -4.83dBi WCDMA 1800: -3.56dBi WCDMA 1900: -2.69 dBi WCDMA 2100: -0.82 dBi LTE B1: -0.82 dBi LTE B2: -2.69 dBi LTE B3: -3.54 dBi LTE B4: -3.56 dBi LTE B5: -4.38 dBi LTE B7: -1.01 dBi LTE B8: -4.83 dBi LTE B12: -6.54 dBi LTE B17: -6.54dBi LTE B20: -4.46 dBi LTE B26: -4.50 dBi LTE B28AB: -6.43 dBi LTE B38: -0.93dBi LTE B40: -3.33 dBi LTE B41: -1.06 dBi LTE B66: -3.51 dBi WIFI/BT: -2.96 dBi GPS: -1.41 dBi
Antenna Gain (Lower antenna)	GSM850: -8.00 dBi GSM900: -8.11 dBi DCS1800: -3.91 dBi DCS1900: -3.41 dBi WCDMA 850: -8.00dBi WCDMA 900: -8.11dBi WCDMA 1800: -4.04dBi WCDMA 1900: -3.41 dBi WCDMA 2100: -3.83 dBi

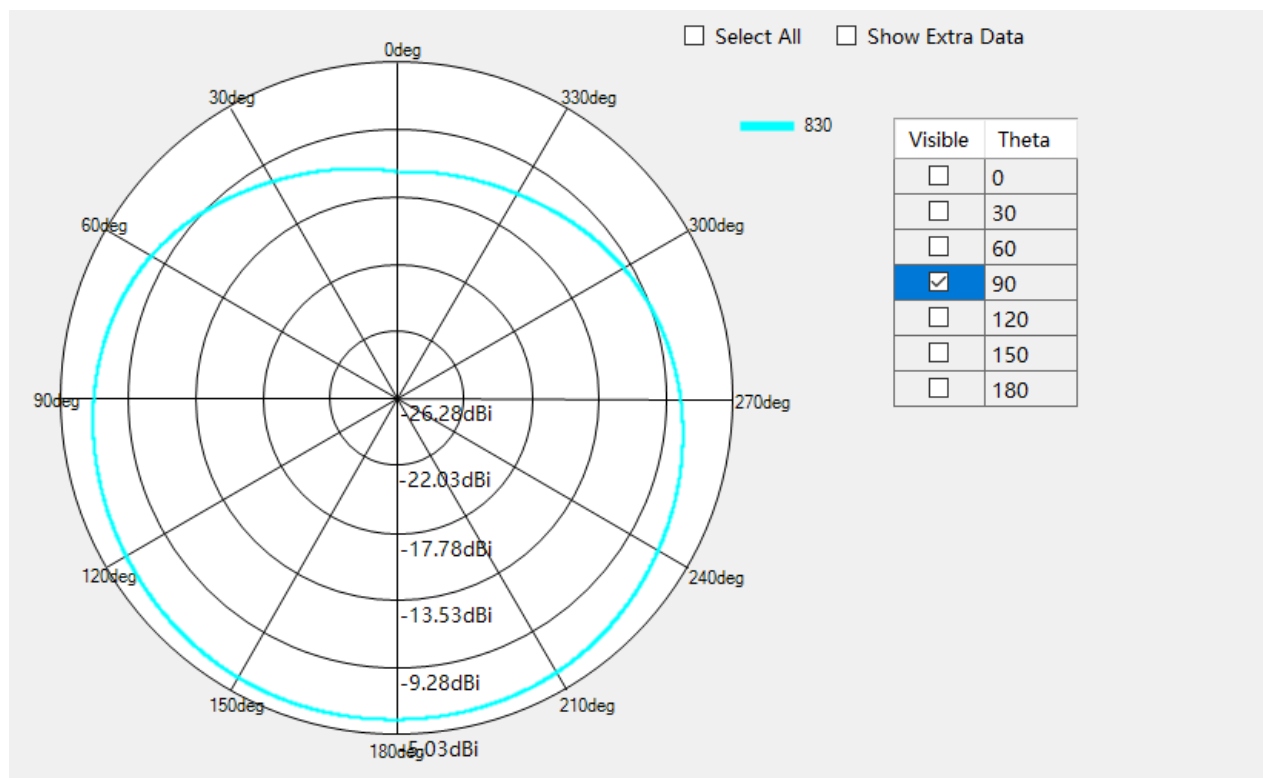
	LTE B1: -3.83 dBi LTE B2: -3.41 dBi LTE B3: -3.91 dBi LTE B4: -4.04dBi LTE B5: -8.00 dBi LTE B7: -0.64 dBi LTE B8: -8.11 dBi LTE B12: -9.81 dBi LTE B17: -9.81dBi LTE B20: -8.16 dBi LTE B26: -7.96 dBi LTE B28AB: -9.03 dBi LTE B38: -1.45dBi LTE B40: -2.71 dBi
Power of antenna:	GSM850: 26.2dBm GSM900: 25.2dBm DCS1800: 25.1dBm PCS1900: 25.6dBm WCDMA 850: 16dBm WCDMA 900:15.4dBm WCDMA 1800: 17.1dBm WCDMA 1900:18.2 dBm WCDMA 2100: 17.5dBm LTE B1: 18.3dBm LTE B2: 18.4dBm LTE B3: 17.6dBm LTE B4: 17.4 dBm LTE B5: 15.3dBm LTE B7: 18.1dBm LTE B8: 15.3dBm LTE B12: 13.9dBm LTE B17: 14.3dBm LTE B20: 15.2dBm LTE B26: 16.8dBm LTE B28: 13.8dBm LTE B38: 18.4dBm LTE B40: 17.3dBm LTE B41: 17.8dBm LTE B66: 17.9dBm WIFI-11n: 11.6dBm GPS: -152.3
Type of Modulation	GMSK/8PSK/QPSK/16QAM/64QAM/GFSK, $\pi/4$ -DQPSK,8DPSK

※ Antenna Gain

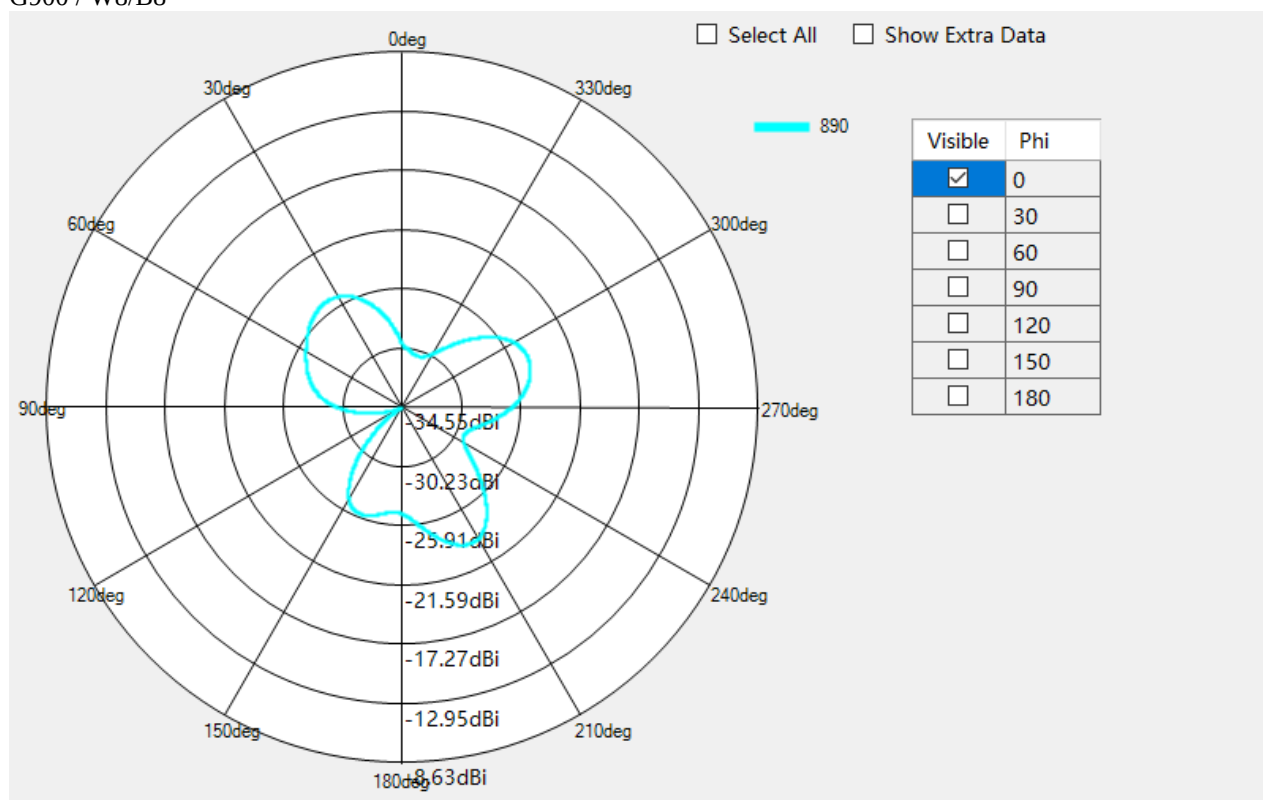
Main Antenna

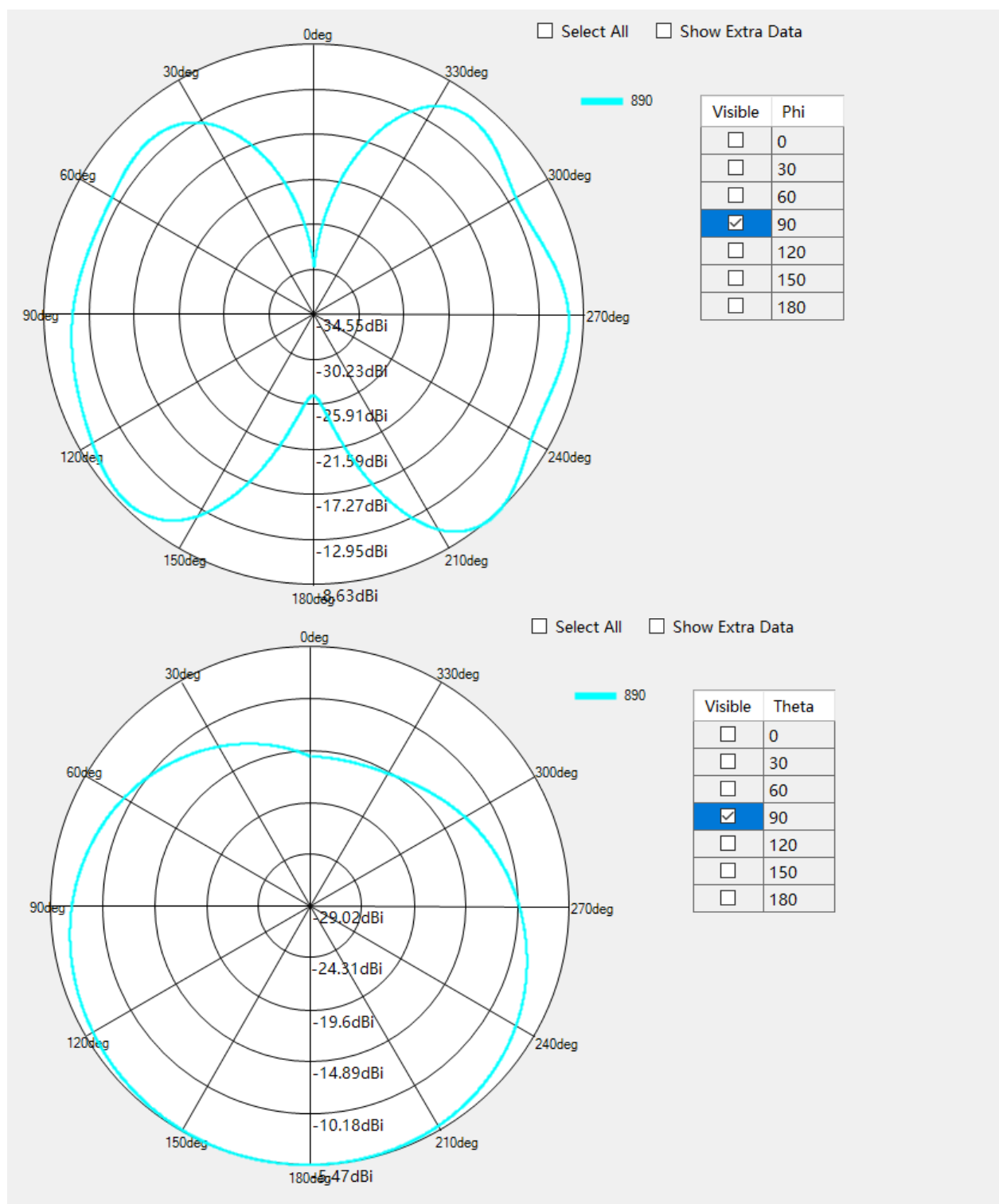
G850 W5 /B5/20/26



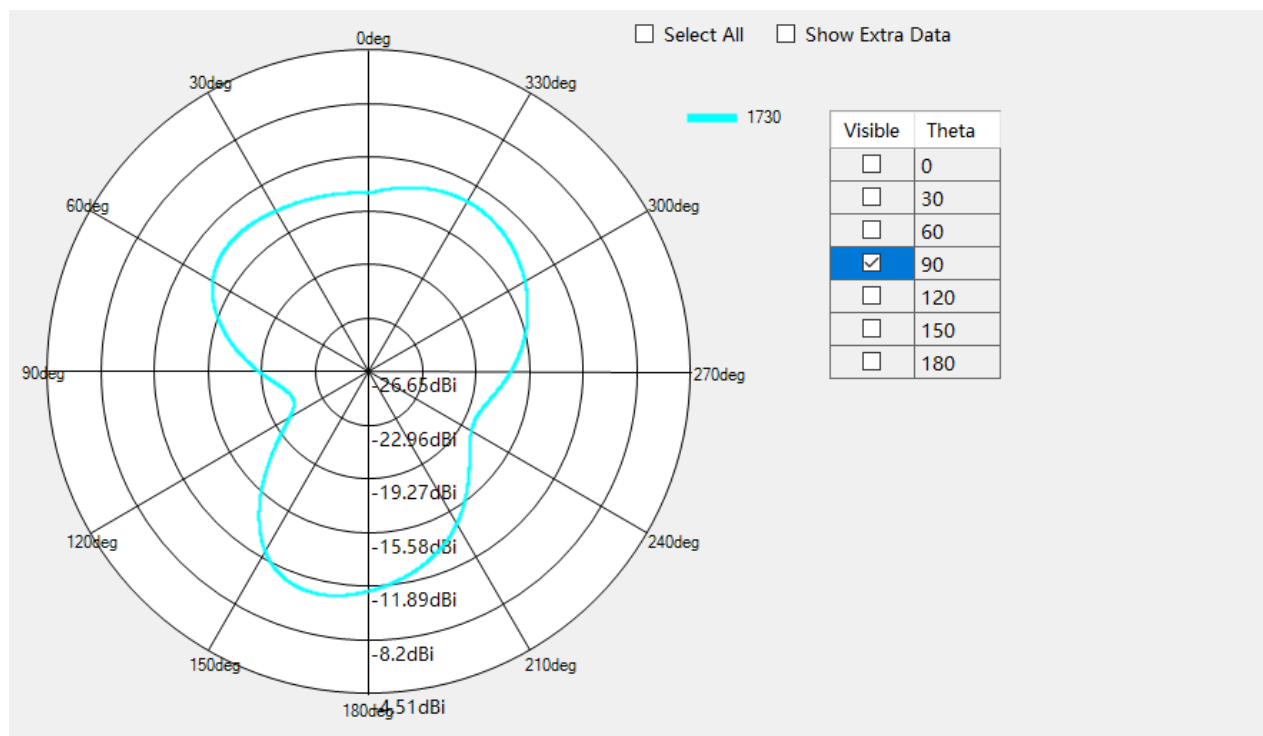


G900 / W8/B8

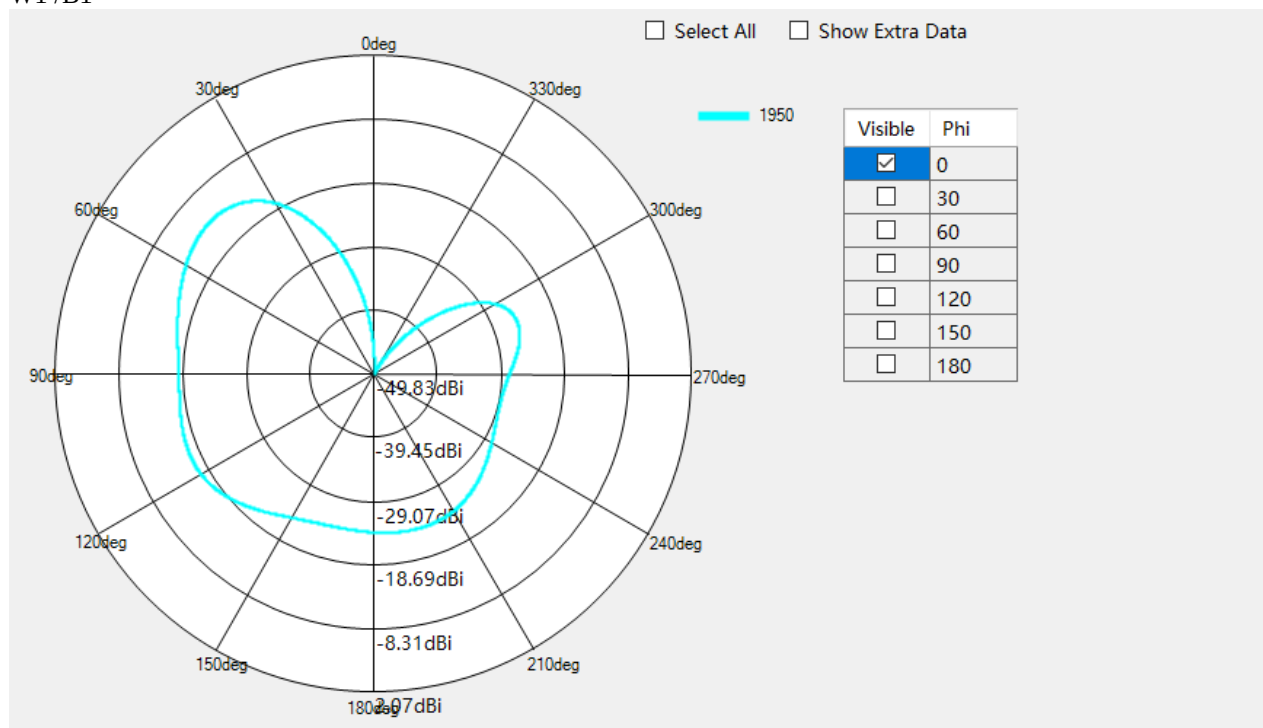


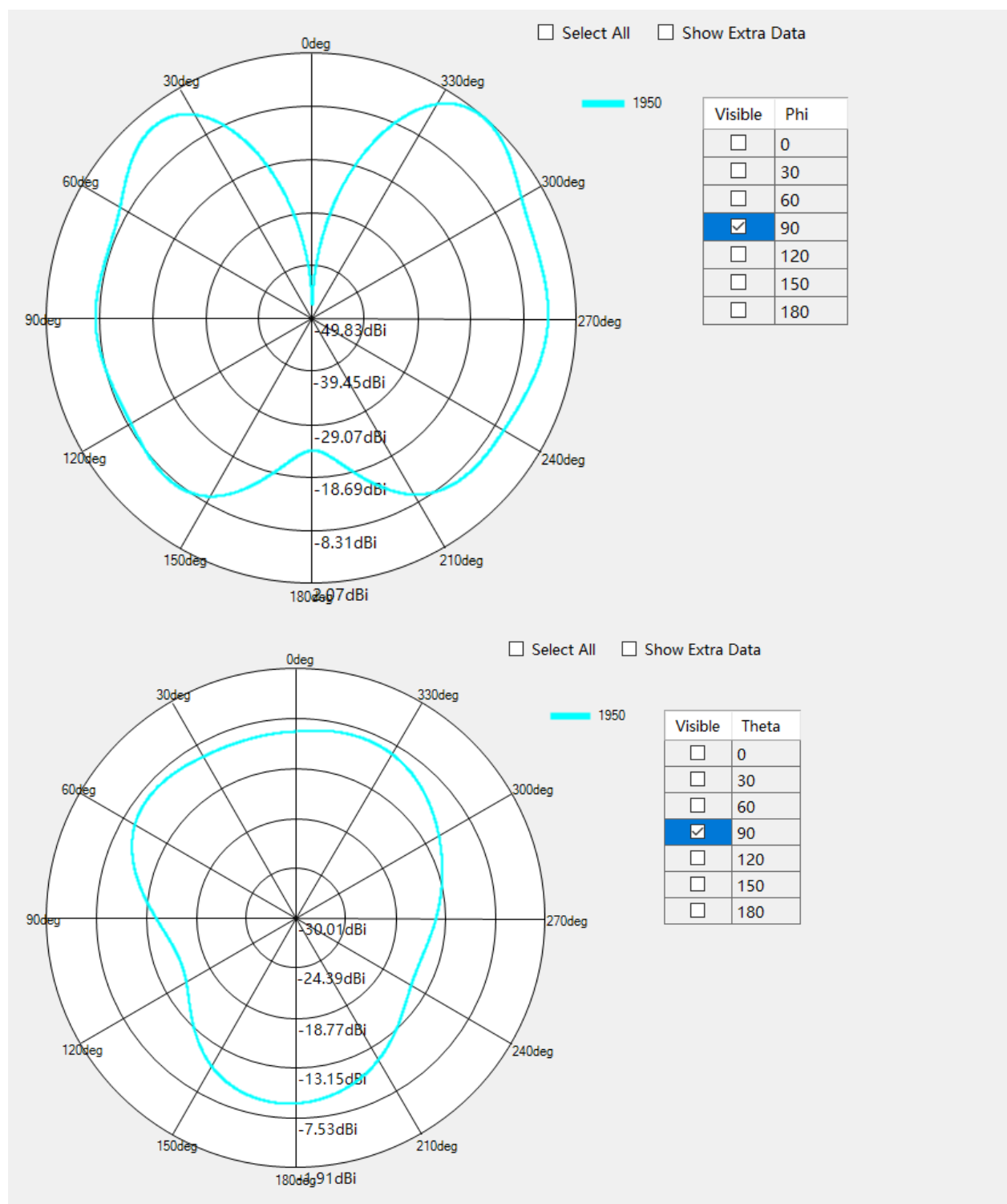


G1800/ W4 /B3/B4/B66

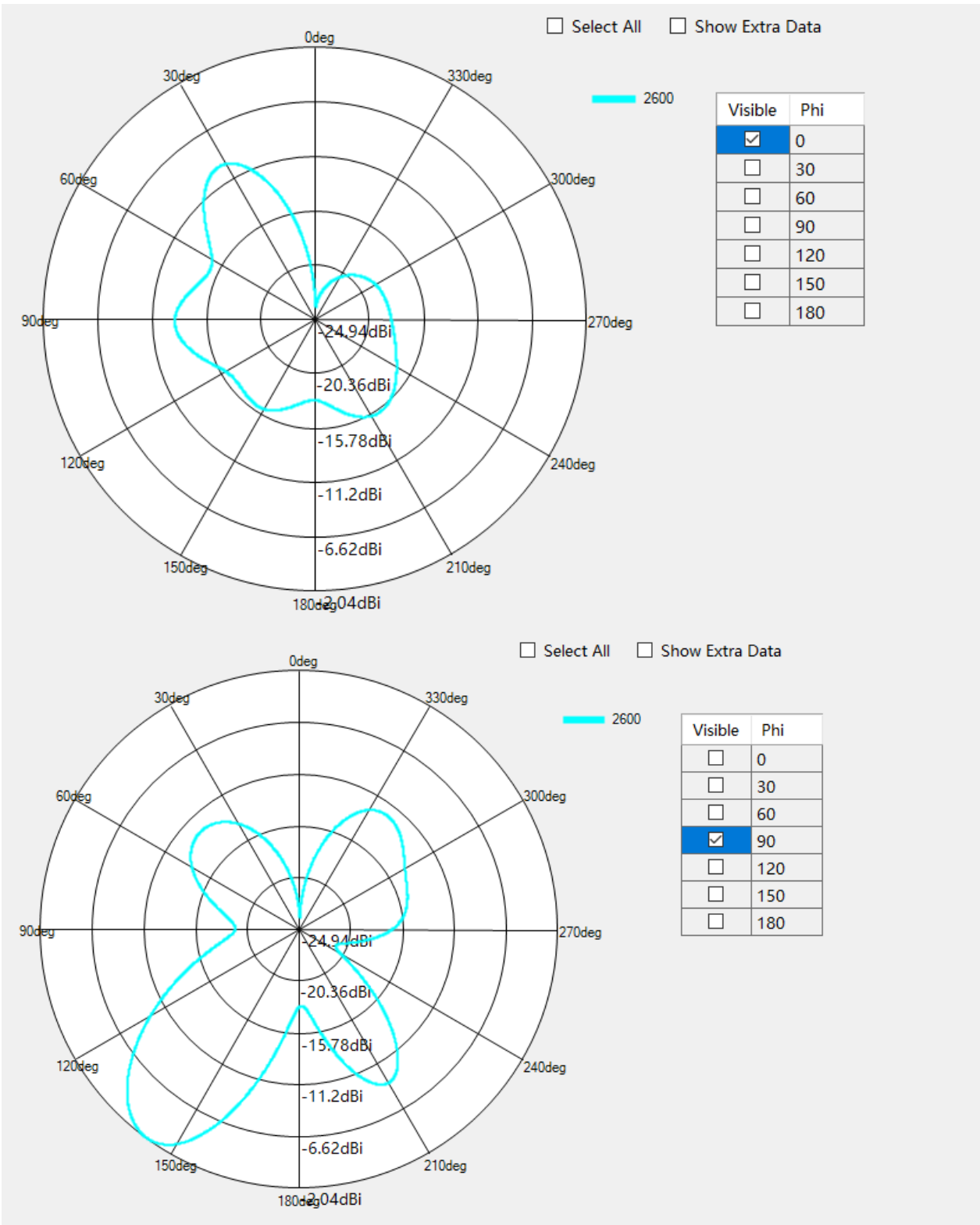


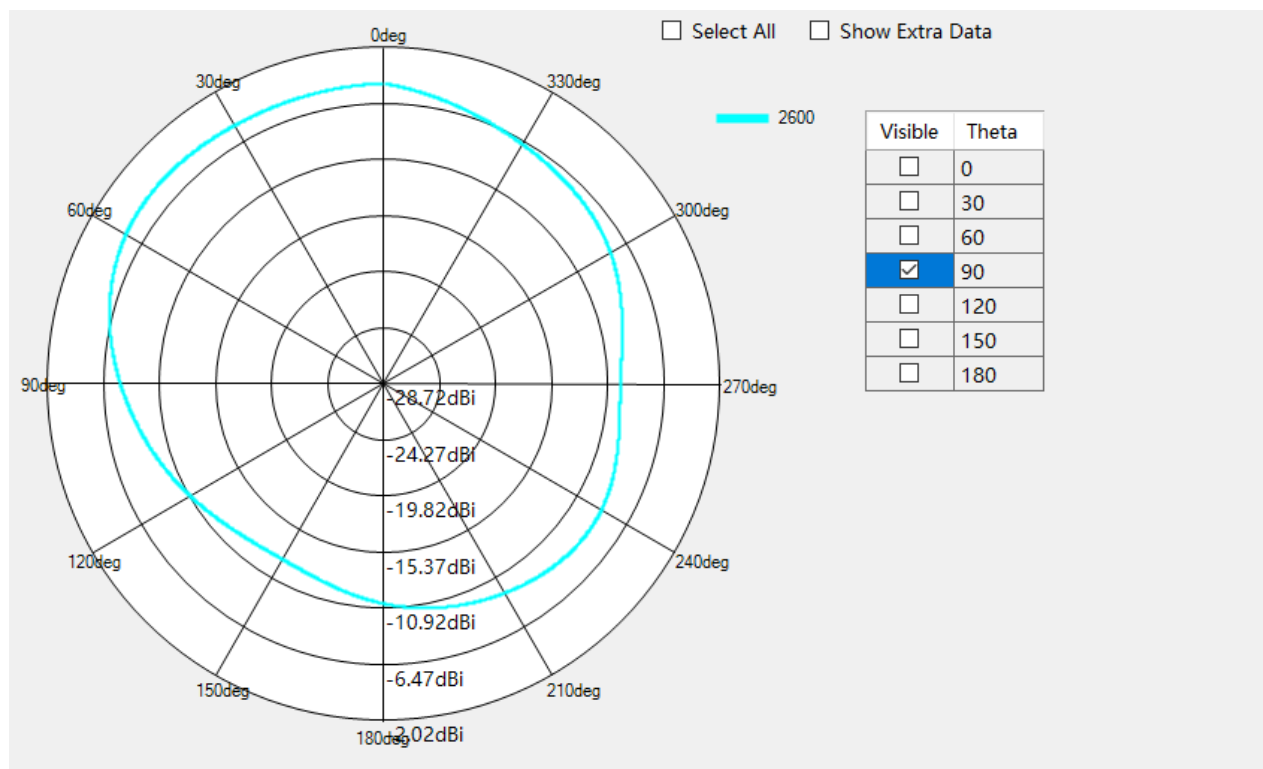
W1 /B1



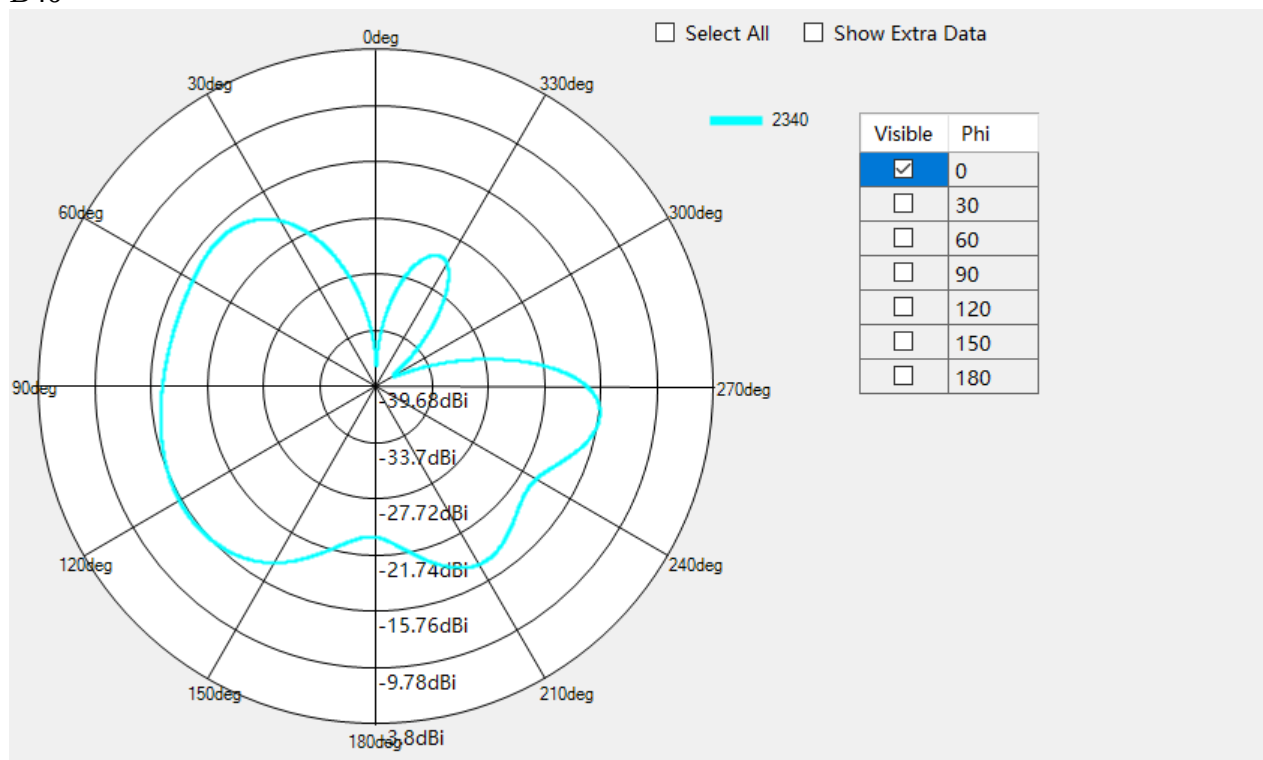


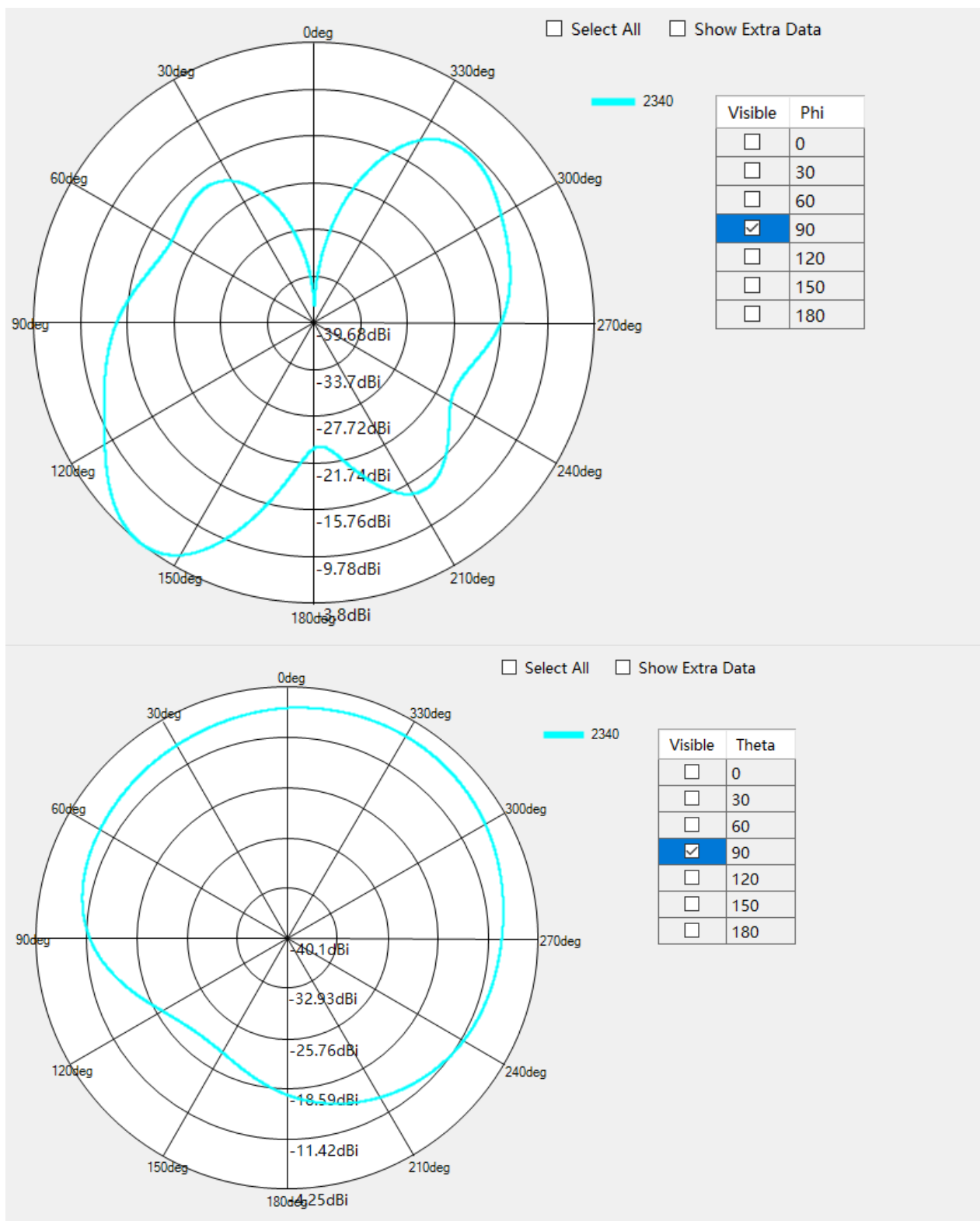
B7/38/41



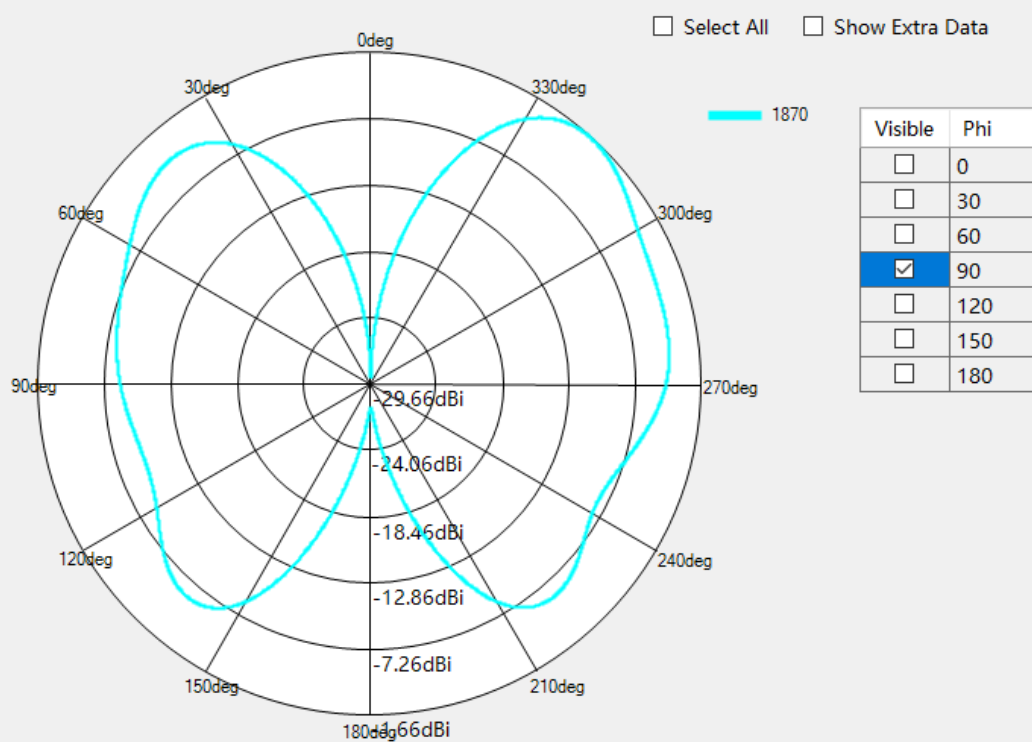
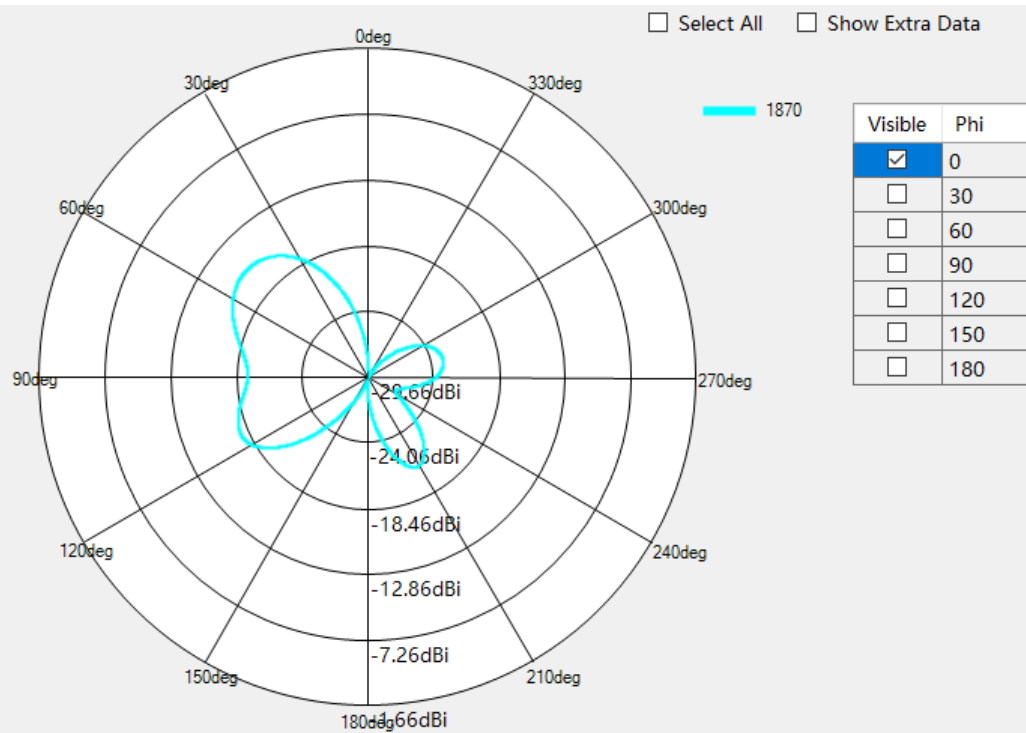


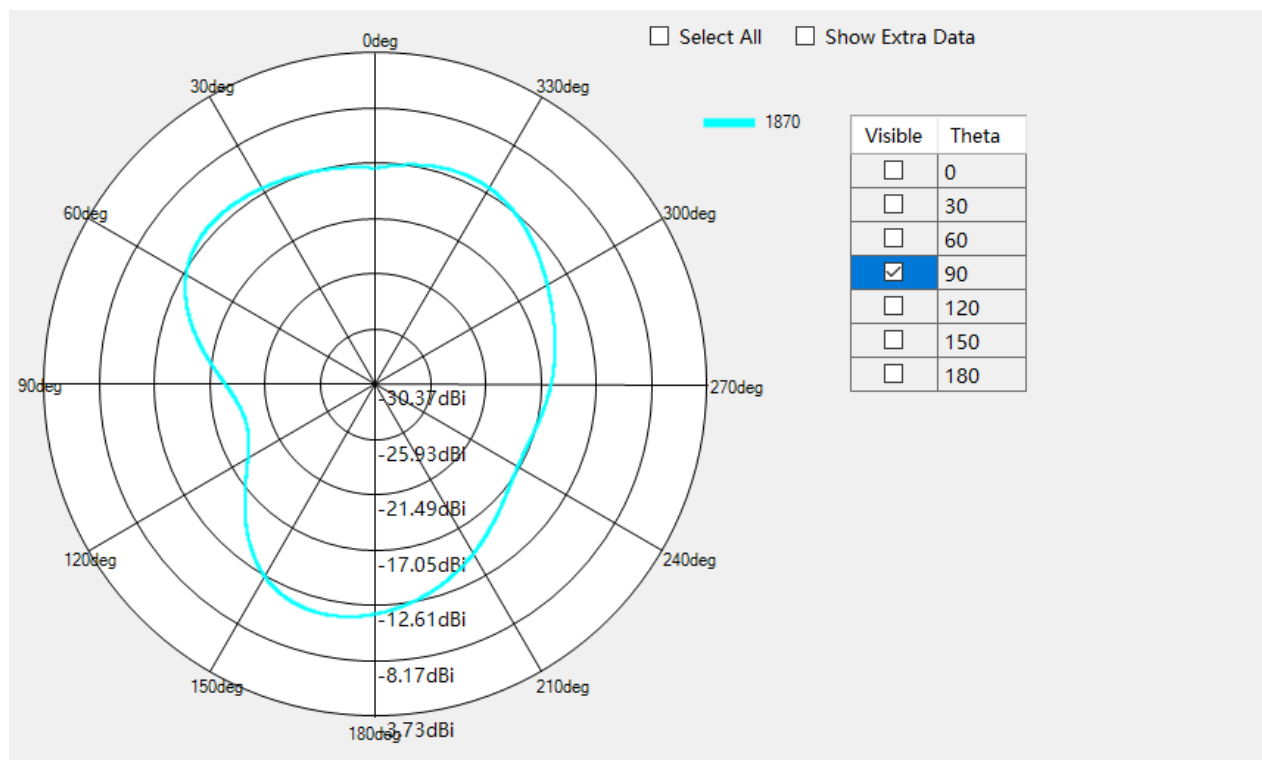
B40



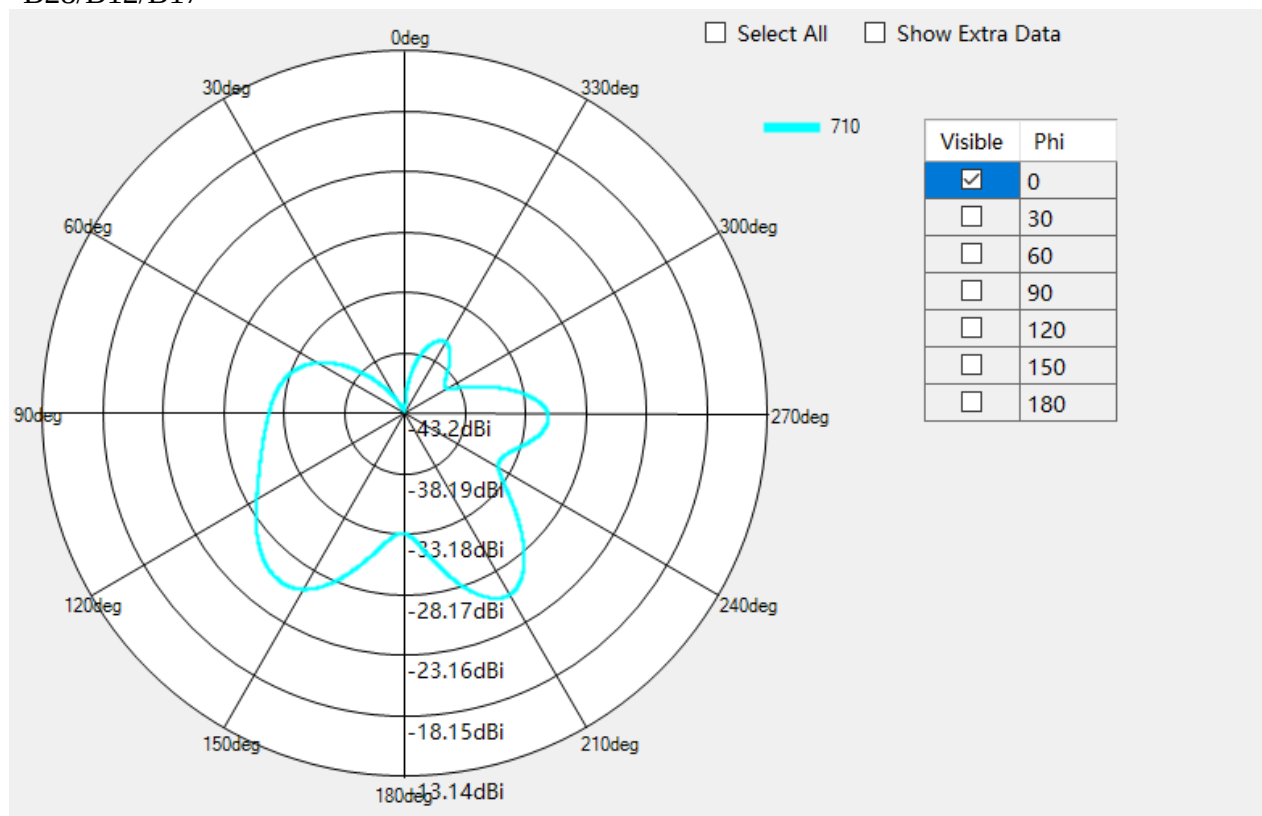


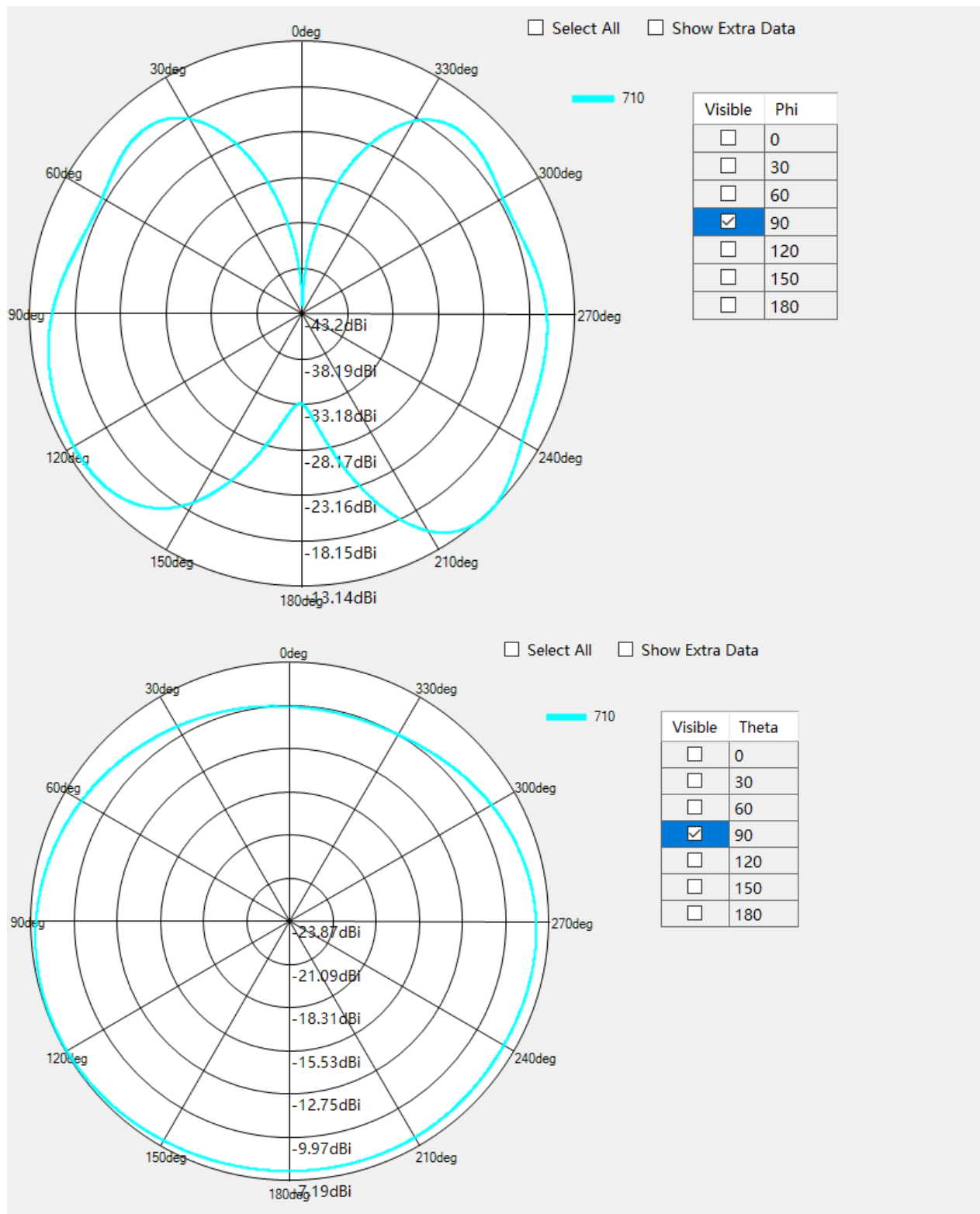
B2/W2/PCS1900





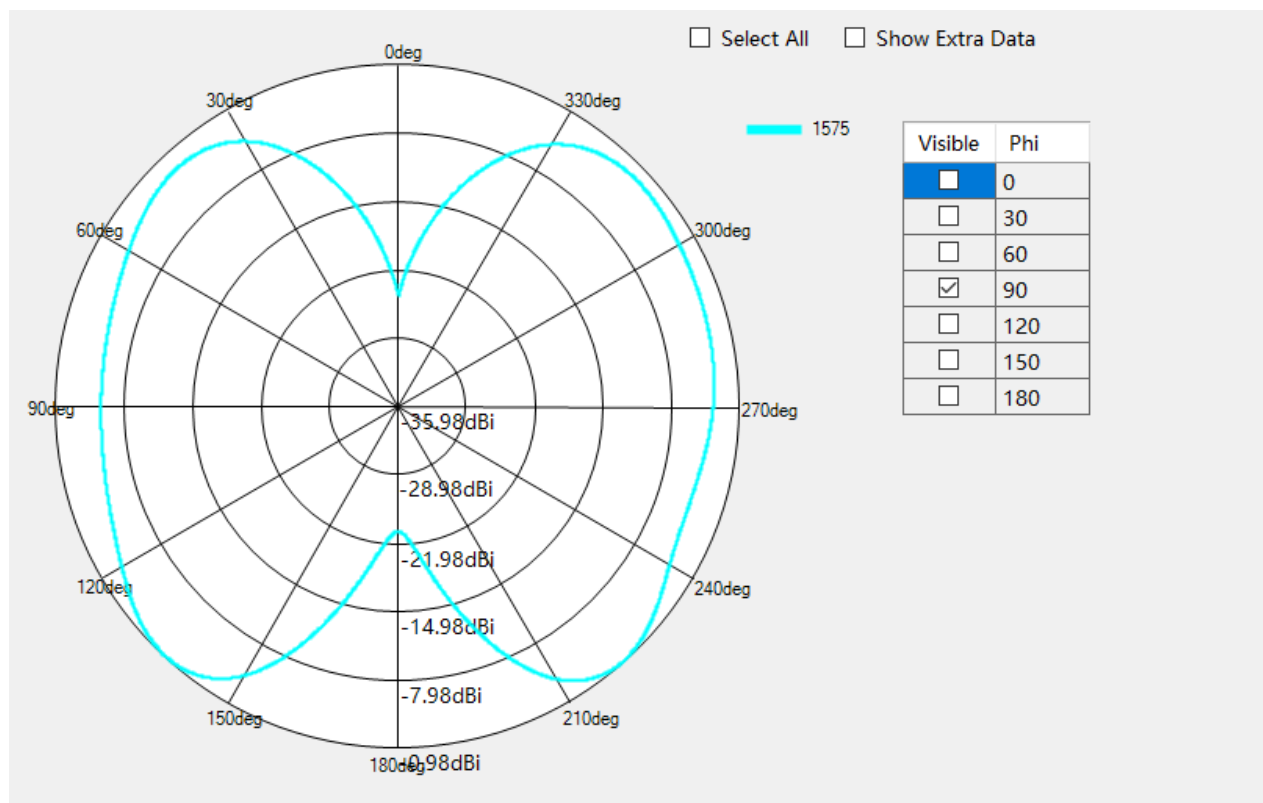
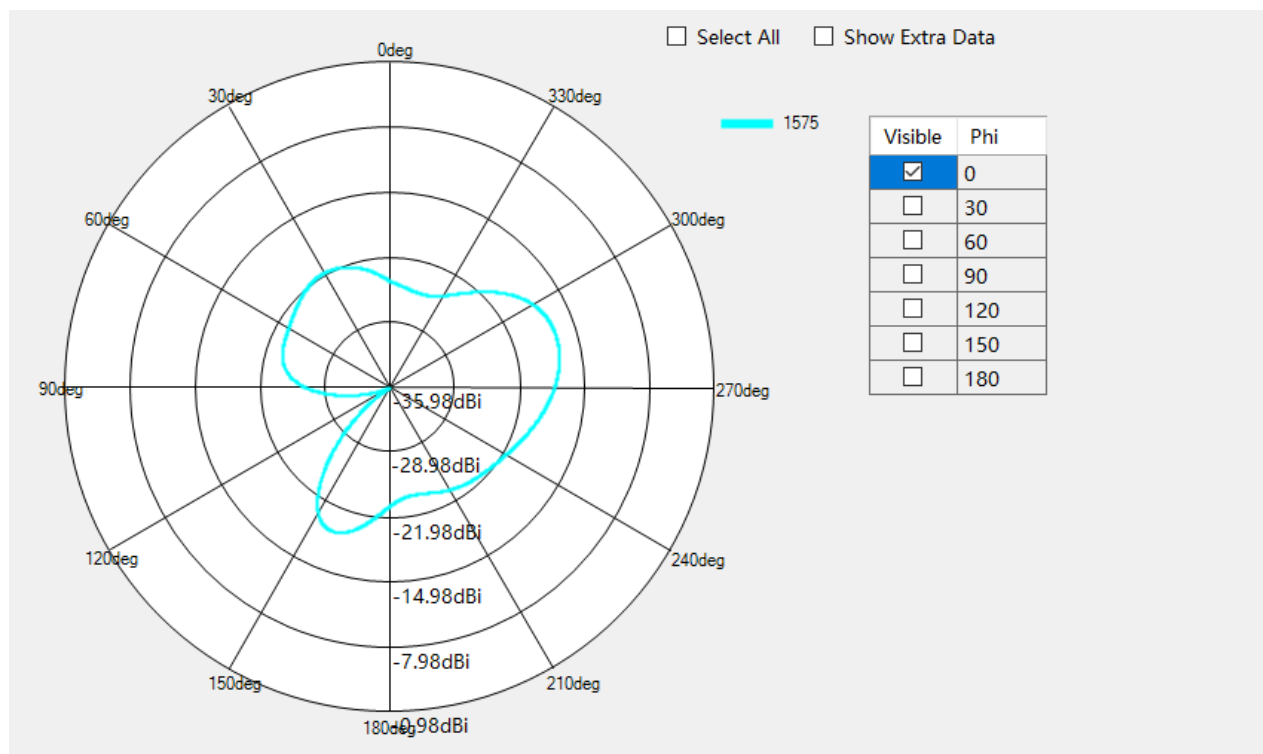
B28/B12/B17

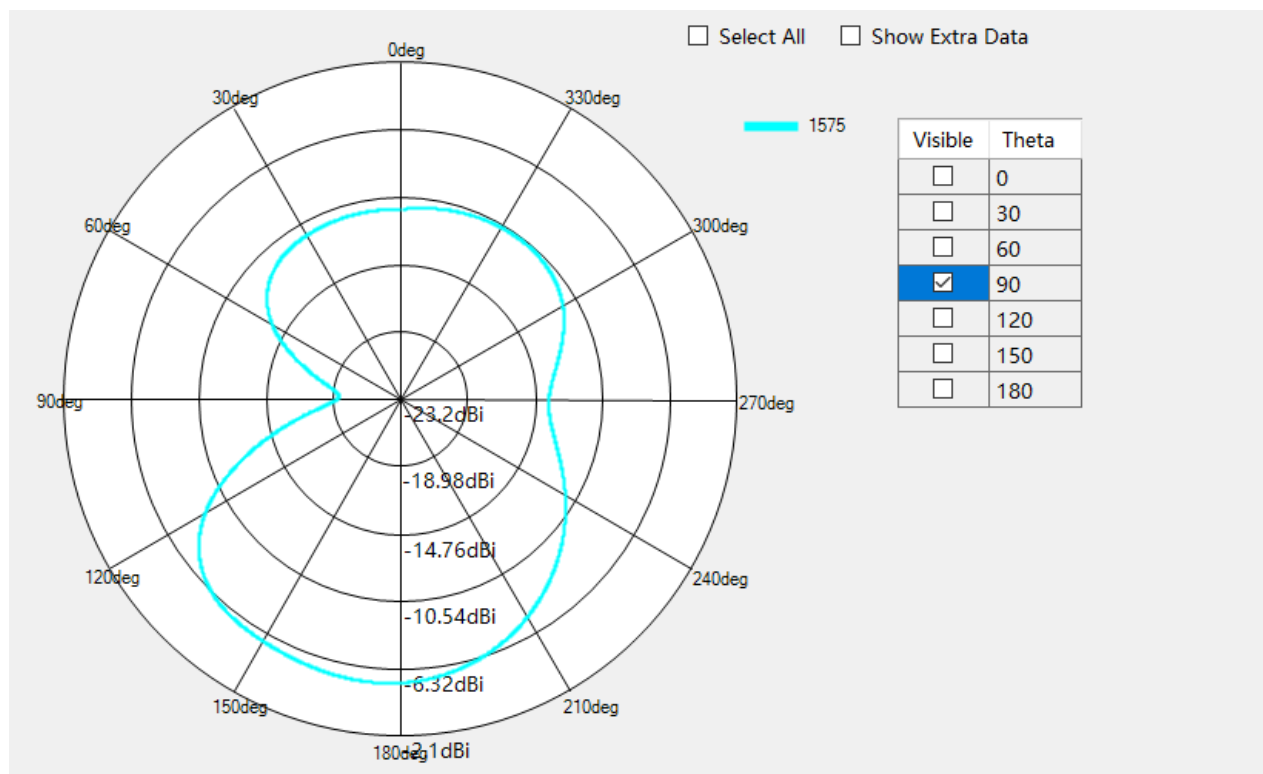




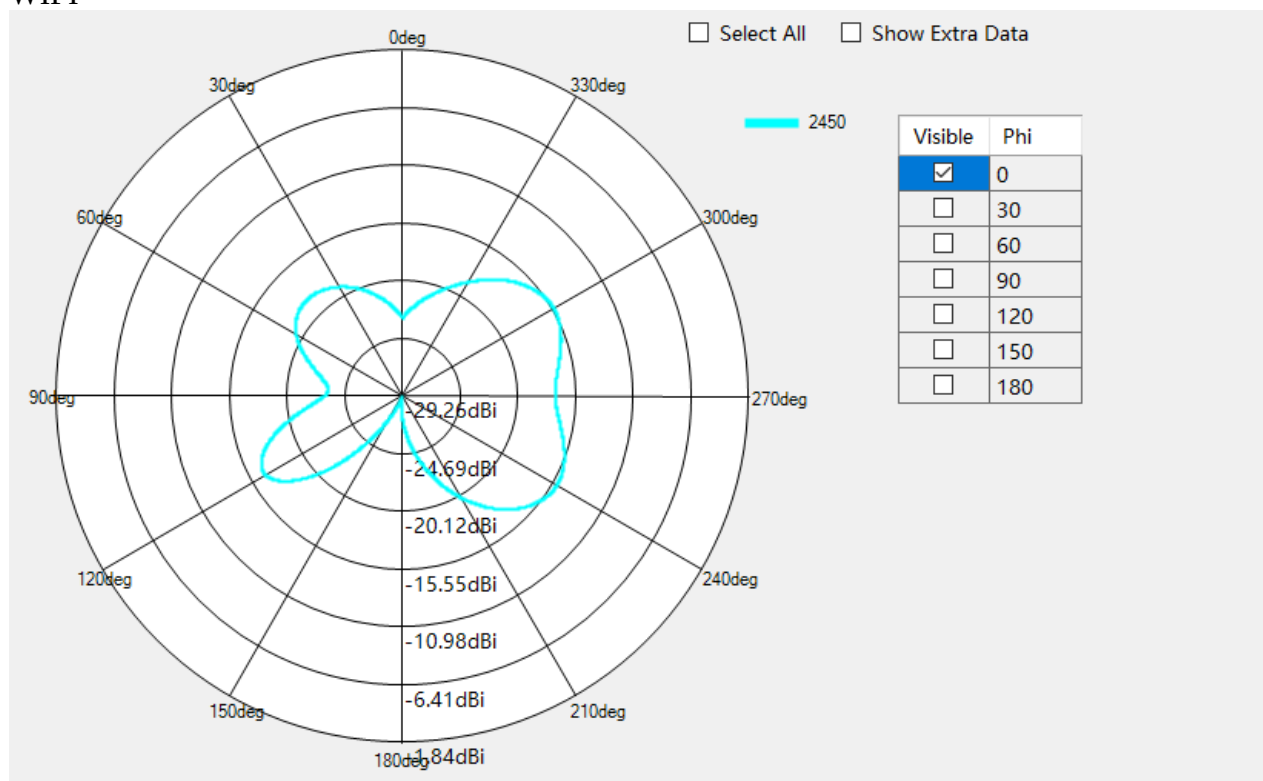
Three-in-one antenna

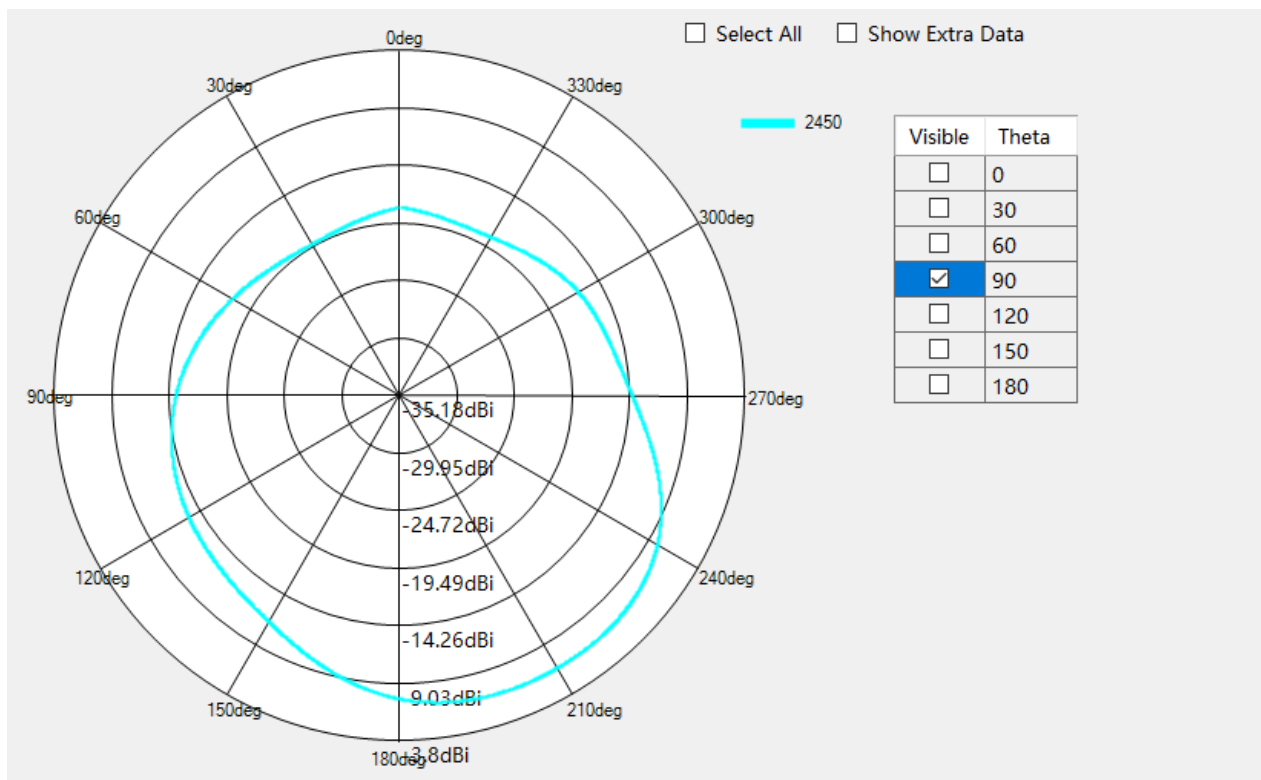
GPS





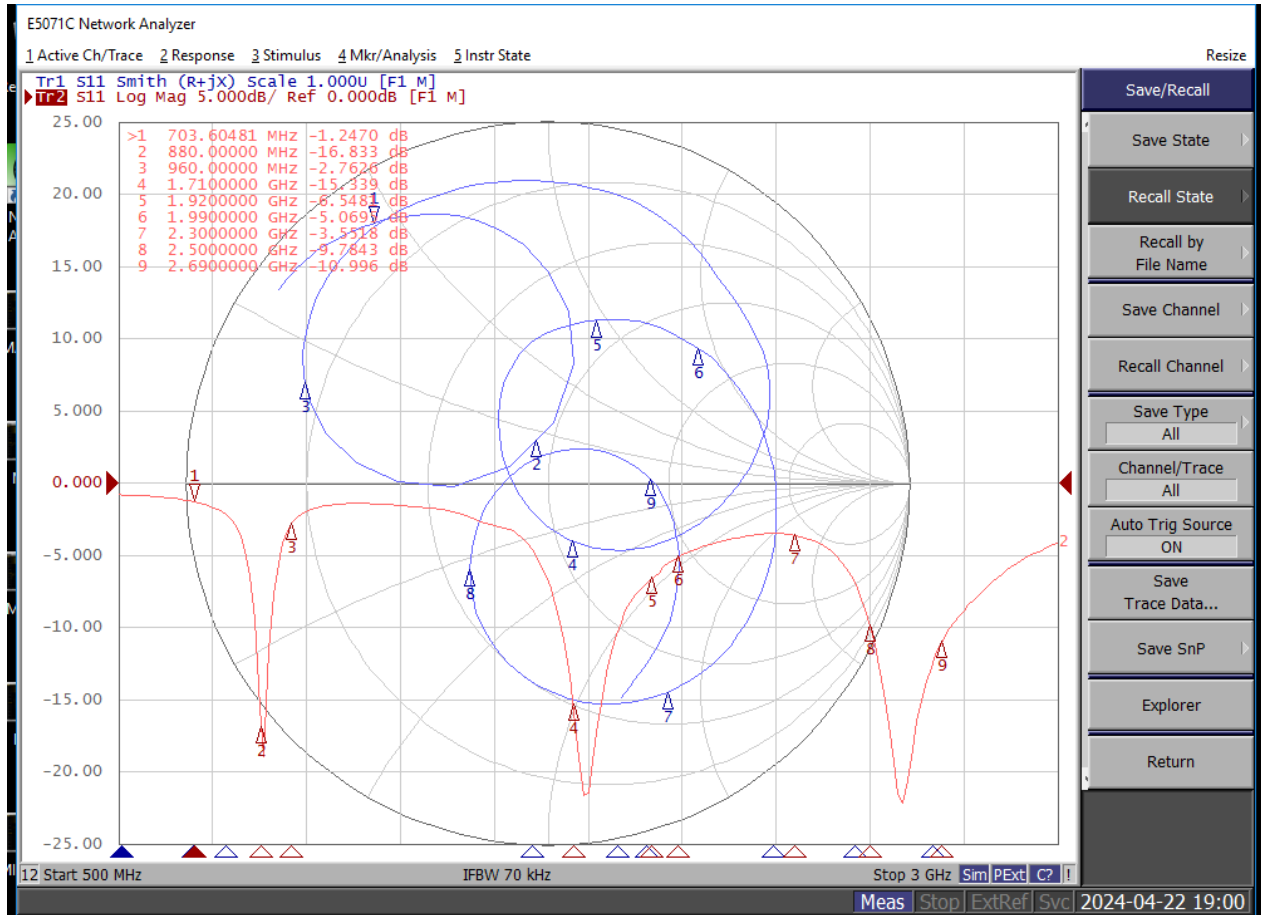
WIFI



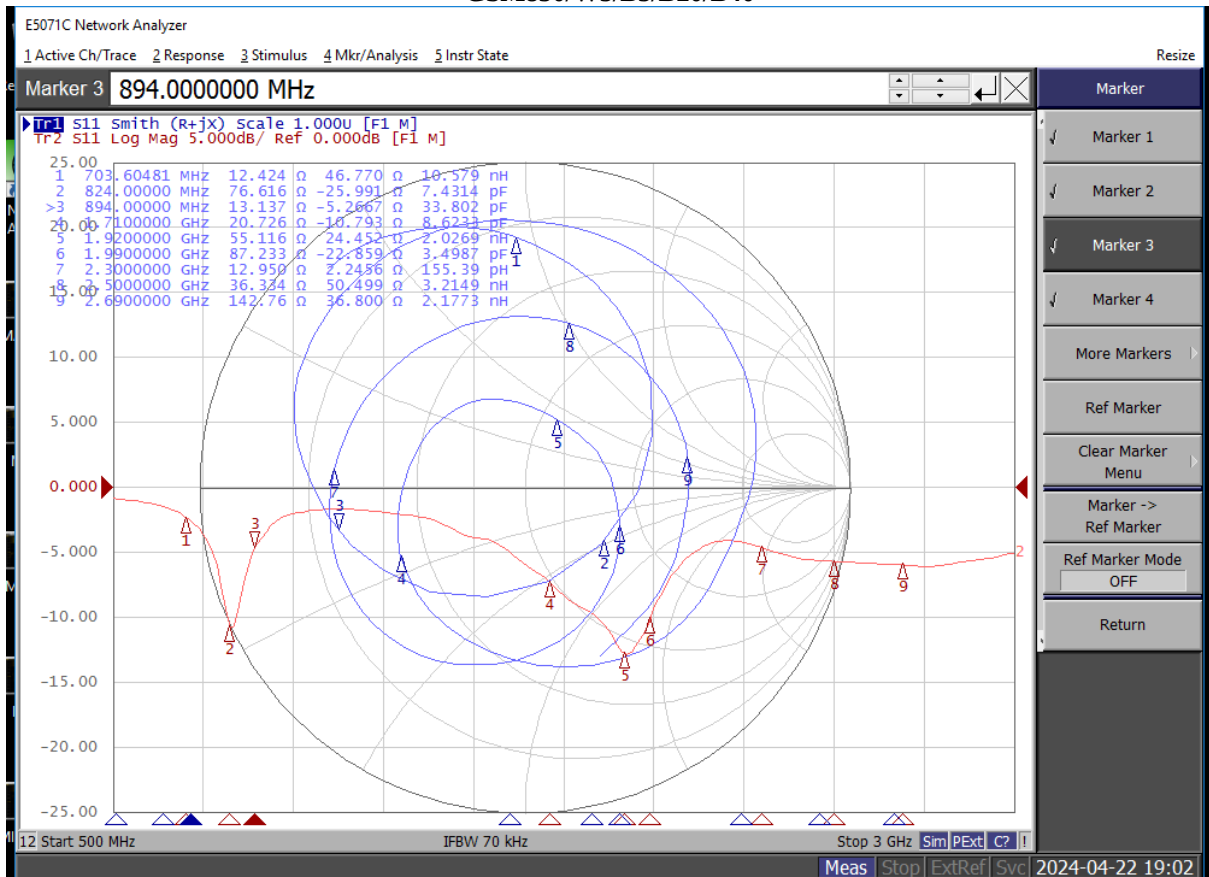


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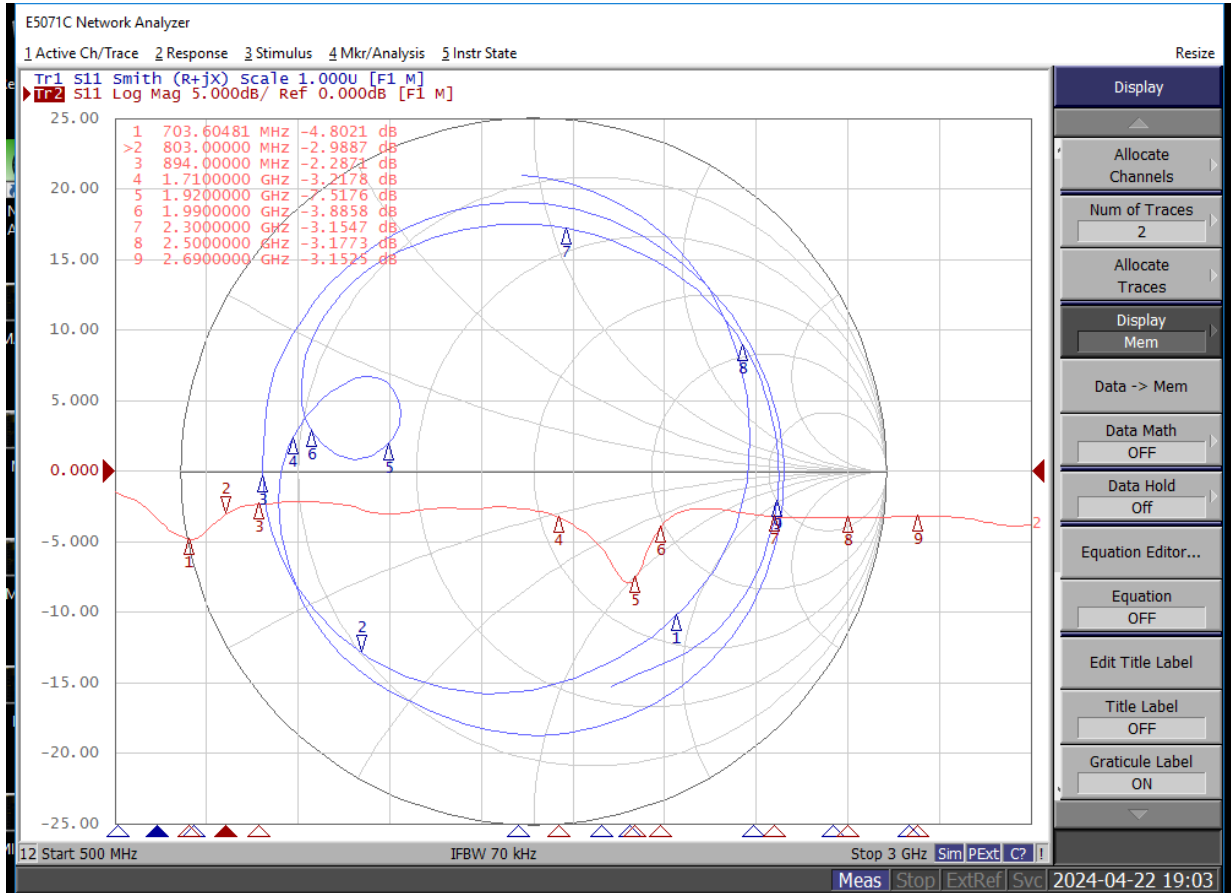
Main Antenna GSM900/G1800/W4/W8/B3/B4/B7/B8/B38/B41/B66



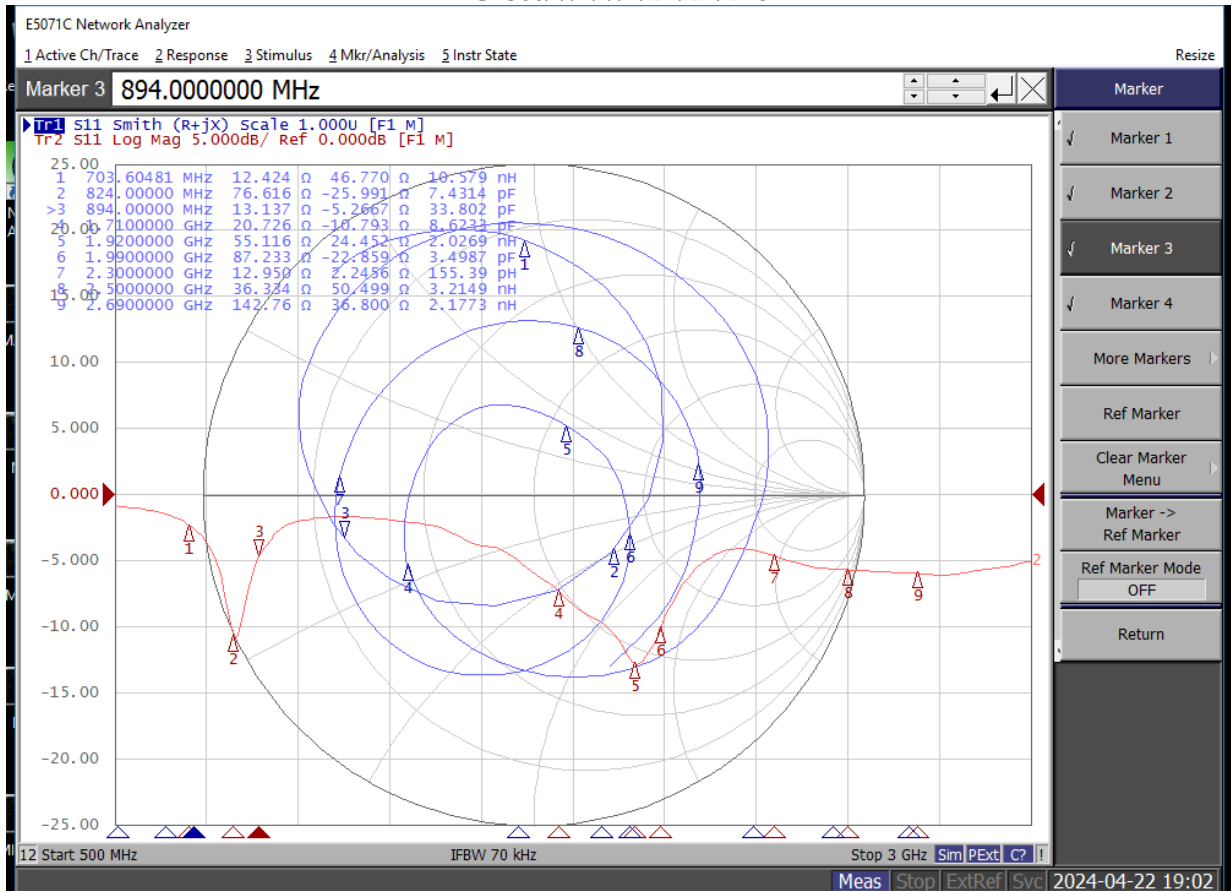
GSM850/W5/B5/B20/B40



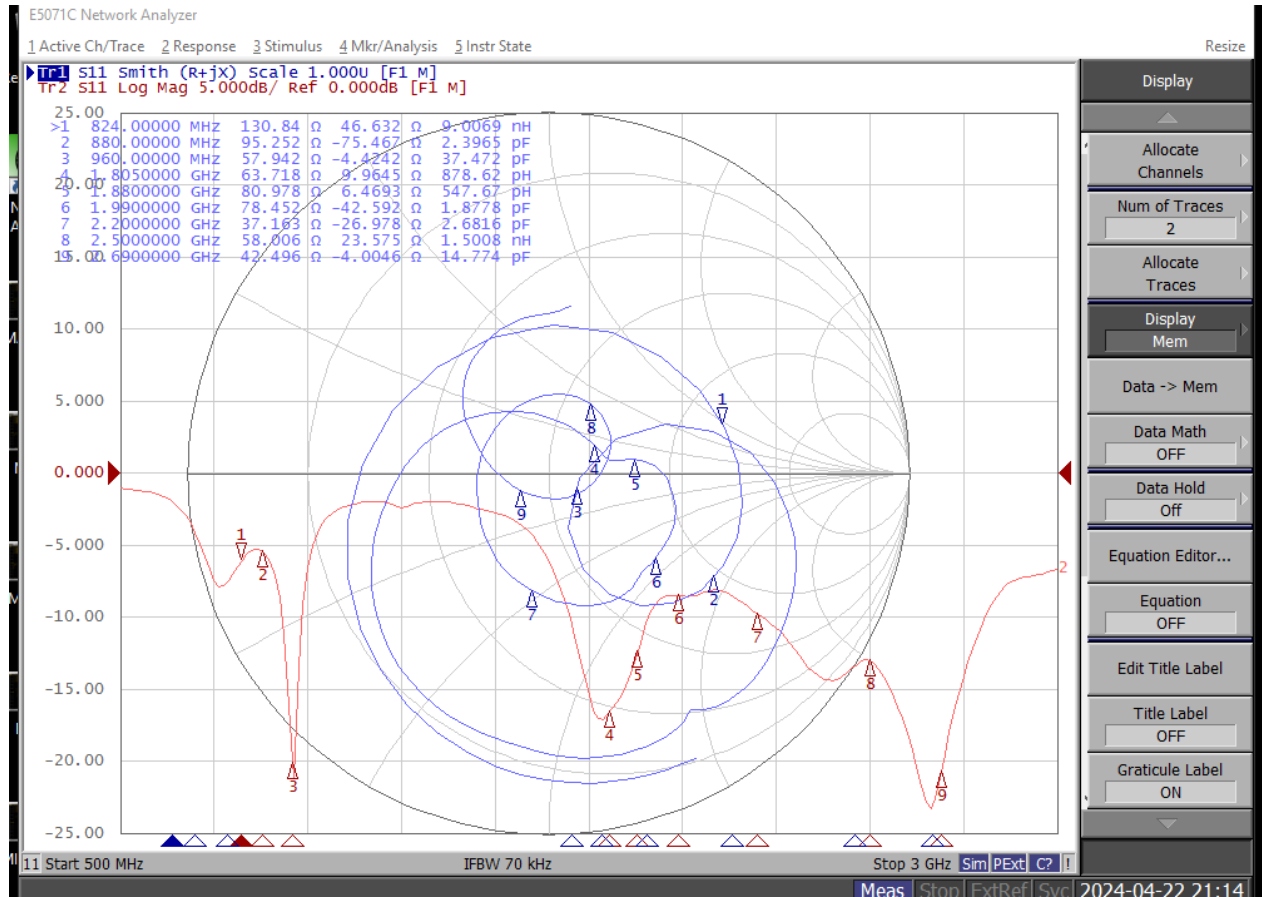
B12/B17/B28



G1900/W1/W2/B1/B2/B26



DIV Antenna



Three-in-one antenna

