

Feature

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

Application

※GSM850/GSM900/DCS1800/1900
WCDMA /1900/1700/900/850
FDD B2/3/4/5/7/8/12/13/17/26/28AB/66 TDD 38
communication applications

※Antenna manufacturer

Sunnyway Technology (China) Co., Ltd
尚远科技(中国)有限公司

Shanghai R&D Center :

1F,Building4,No.99,Lane215,GaoGuangRoad,QingPuDistrict,201702,Shanghai,PRC

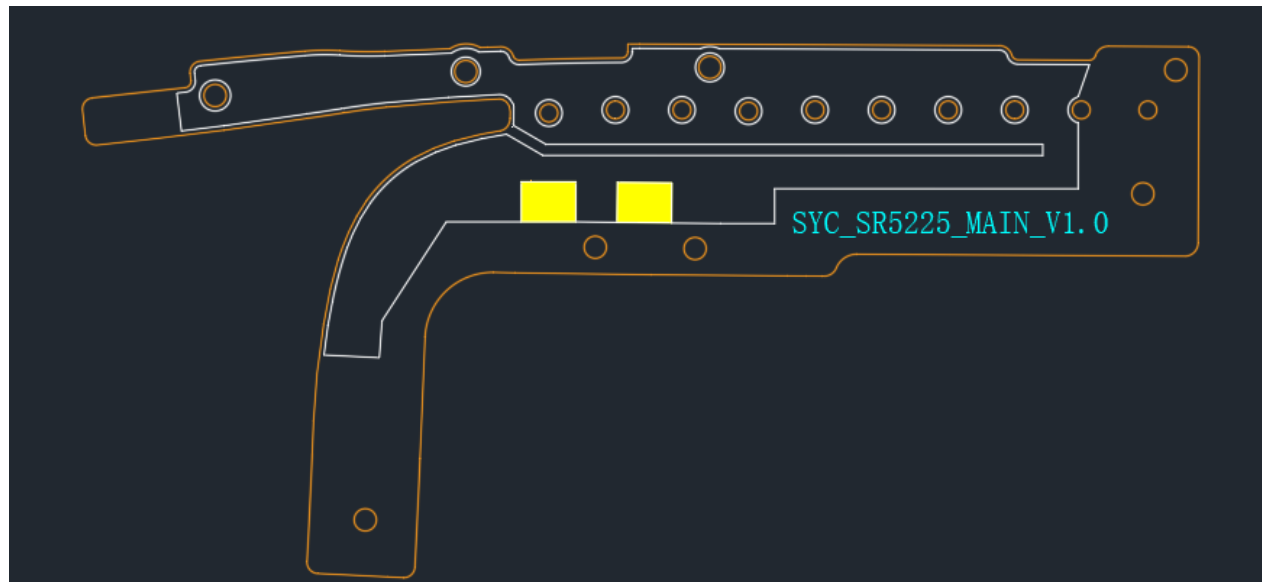
Shenzhen R&D Center : Room405,JinkeBuilding,No.8QiongyuRoad,Shenzhen518057,PRC

Chongqing R&D Center : 1st Floor, Building C08-1, No. 99, Data Valley East Road, Xiantao
Street, Yubei District, Chongqing 401120, PRC

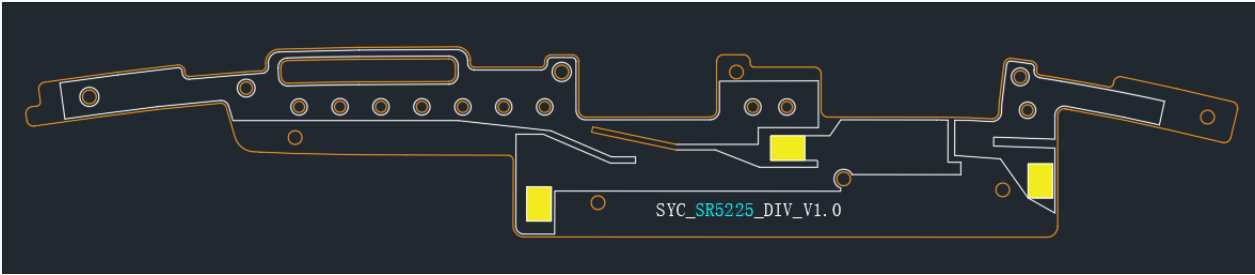
Huizhou manufacturing center : 4-5th floor, No.1 Zhongxincun Road, LongHu Industrial Zone,
Shuikou Town, Huizhou City, 516255, PRC

※Antenna type

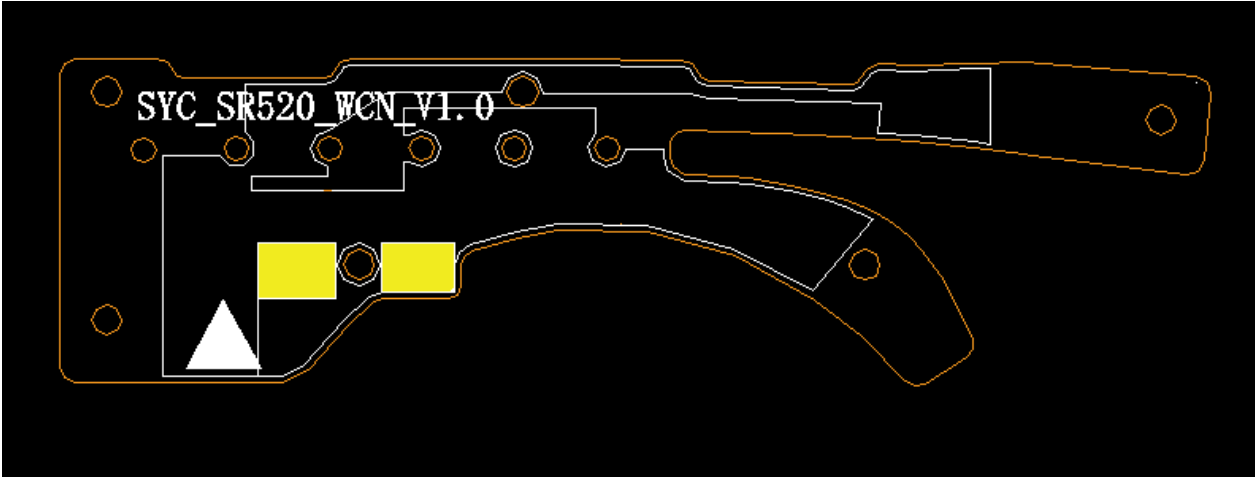
SYC-SR5225-MAIN-V1.0



SYC-SR5225_DIV_V1.0



SYC_SR520_WCN_V1.0



Electric Specifications

TYPE	FPC
Transmitter Frequency	GSM850: 824-848MHz (TX) GSM900: 880-915MHz (TX) DCS1800: 1710-1785MHz (TX) PCS1800: 1850-1909MHz (TX) WCDMAband II: 1852~1907MHz(TX) WCDMAband IIII: 1712~1752MHz(TX) WCDMAbandV : 826~846MHz(TX) WCDMAband VIII: 880~915MHz(TX) LTE B2: 1850~1910MHz(TX) LTE B3: 1710~1785MHz(TX) LTE B4: 1710~1750MHz(TX) LTE B5: 824~848MHz(TX) LTE B7: 2500~2690MHz(TX) LTE B8: 880~915MHz(TX) LTE B12: 699~716MHz(TX) LTE B13: 746~760MHz(TX) LTE B17: 704~716MHz(TX) LTE B26: 814~849MHz(TX) LTE B28A:708-728MHz (TX) LTE B28B:723-743MHz (TX) LTE B66: 1710~1780MHz(TX)

	LTE B38: 2570~2620MHz(TX) WIFI (2.4G) :2412 -2472 MHz Bluetooth:2408 - 2480 MHz GPS:1575.42MHz
Receiver Frequency	GSM850: 869-894MHz (RX) GSM900: 925-960MHz (RX) DCS1800: 1805-1880MHz (RX) PCS1900: 1930-1990MHz (RX) WCDMAband II: 1932~1990MHz(RX) WCDMAband IIII:2110~2160MHz(RX) WCDMAband V: 870~890MHz(RX) WCDMAband VIII: 925~960MHz(RX) LTE B2: 1930~1990MHz(RX) LTE B3: 1805~1880MHz(RX) LTE B4: 2110~2154MHz(RX) LTE B5: 869~893MHz(RX) LTE B7: 2620~2690MHz(RX) LTE B8: 925~960MHzMHz(RX) LTE B12: 729~746MHz(RX) LTE B17: 734~746MHz(RX) LTE B13: 777~787MHz(RX) LTE B26: 859~894MHz(RX) LTE B28AB: 758~803MHz(RX) LTE B66: 2110~2199MHz(RX) LTE B38: 2570~2620MHz(RX) WIFI (2.4G) :2412 -2472 MHz Bluetooth:2408 - 2480 MHz GPS:1575.42MHz
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 LTE B2:22+/-2dBm LTE B3:22+/-2dBm LTE B4:22+/-2dBm LTE B5:22+/-2dBm LTE B7:22+/-2dBm LTE B8:22+/-2dBm

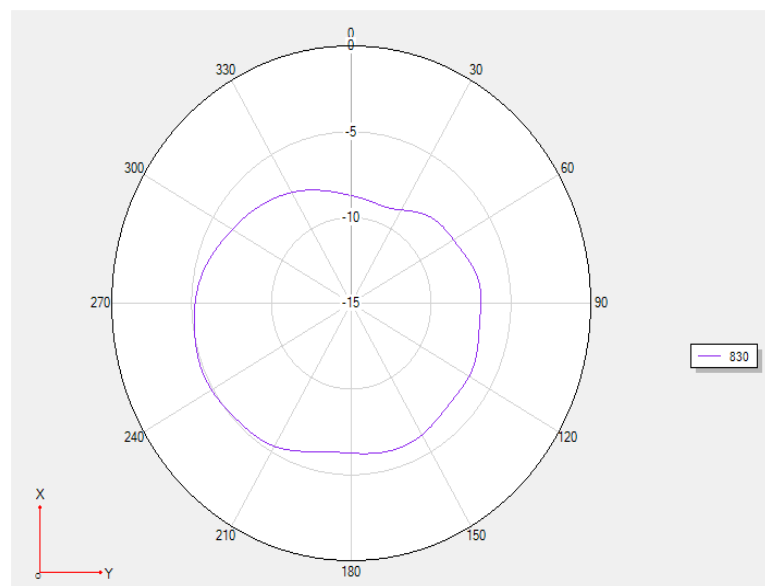
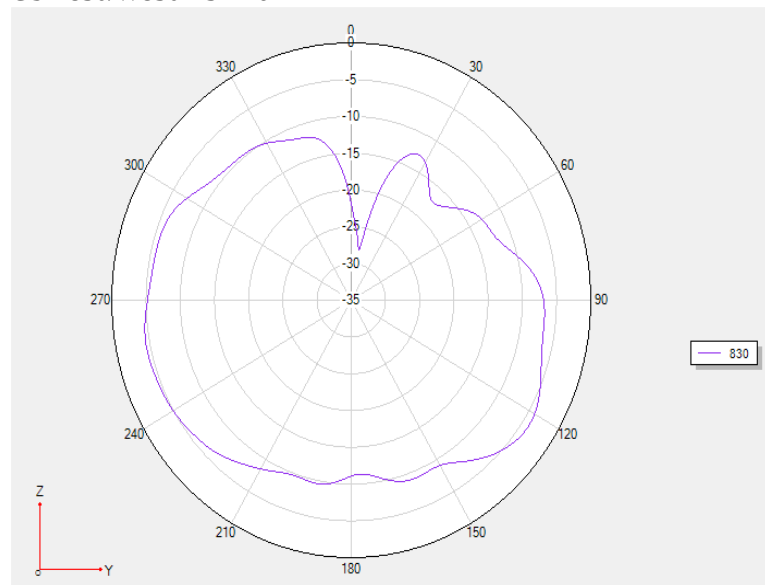
	LTE B12:22+/-2dBm LTE B13:22+/-2dBm LTE B17:22+/-2dBm LTE B28:22+/-2dBm LTE B66:22+/-2dBm LTE B38:22+/-2dBm
Antenna Gain	GSM900: -3.78dBi DCS1800: -1.05dBi GSM850: -3.85dBi PCS1900: -1.67dBi WCDMA:850: -3.85dBi WCDMA:900: -3.78dBi WCDMA:1700: -1.05dBi WCDMA:1900: -1.67dBi LTE:B2: -1.67dBi LTE:B3:-1.05dBi LTE:B4: -1.05dBi LTE:B5: -3.85dBi LTE:B8: -3.78dBi LTE:B7: +0.5dBi LTE:B12: -4.25dBi LTE:B13: -4.1dBi LTE:B17: -4.25dBi LTE:B26: -3.85dBi LTE:B28A\B: -4.25dBi LTE:B38: +0.5dBi LTE:B66:-1.05dBi 2.4G WIFI: 0.9 dBi BT:0.9dBi GPS: 0.89 dBi
Power of antenna:	GSM850: 25.6dBm GSM900: 25.4dBm DCS1800: 24.6dBm PCS1900: 24.19dBm WCDMA 850: 15.93dBm WCDMA 900:14.25dBm WCDMA 1700: 16.65dBm WCDMA 1900: 16.8dBm LTE B2: 17.06dBm LTE B3: 16.9dBm LTE B4: 17.2 dBm LTE B5: 15.5dBm LTE B7: 17.8dBm LTEB8:15.2dBm LTE B12: 14.63dBm LTE B13: 14.7dBm LTE B17: 14.2dBm LTE B26: 15.03dBm

	LTE B28: 14.8 dBm LTE B66: 16.8dBm LTE B38: 17.5dBm WIFI-11b: 12.7dBm WIFI-11g: 10.5dBm WIFI-11n: 8.5dBm BT: 3.8dBm
Type of Modulation	GMSK/8PSK/QPSK/16QAM/64QAM/GFSK, $\pi/4$ - DQPSK,8DPSK

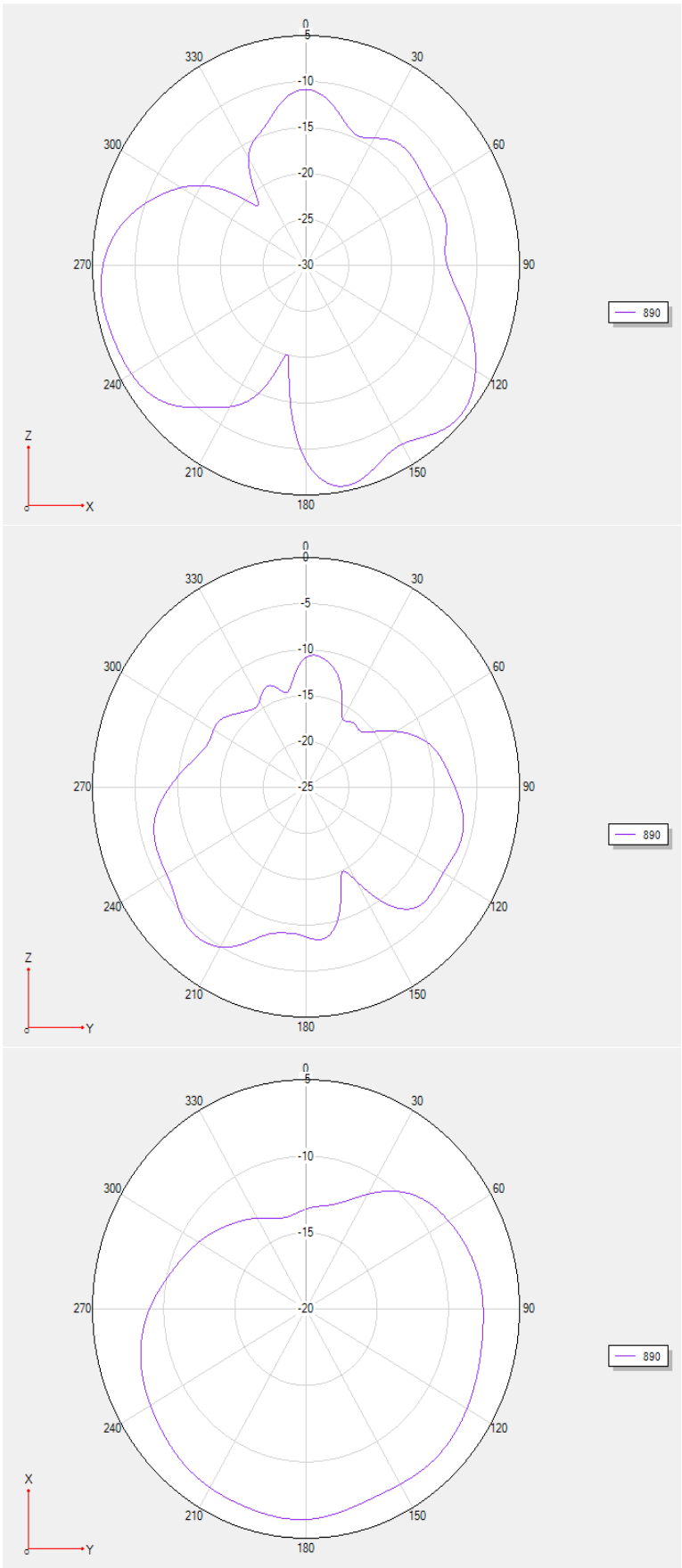
※ Antenna Gain

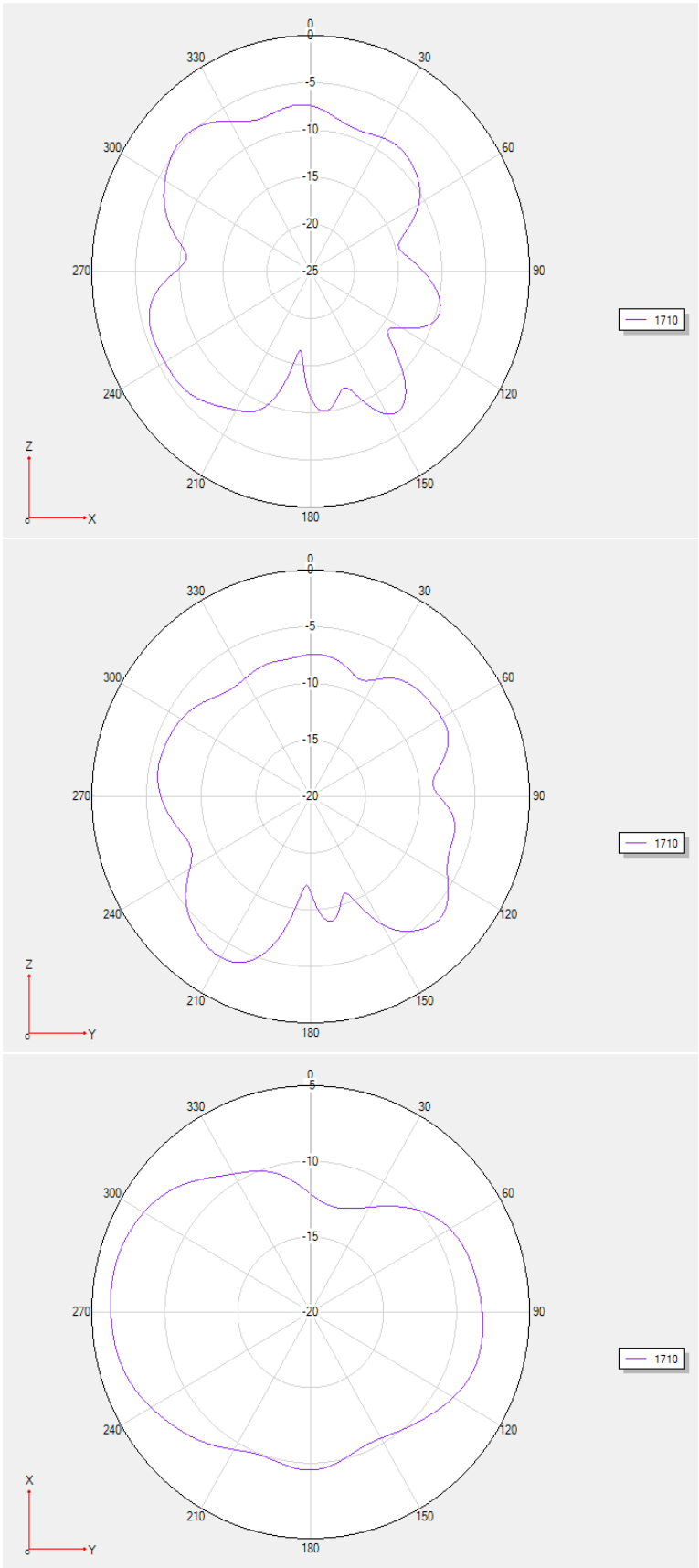
Main Antenna

GSM850/W850 B5 B26

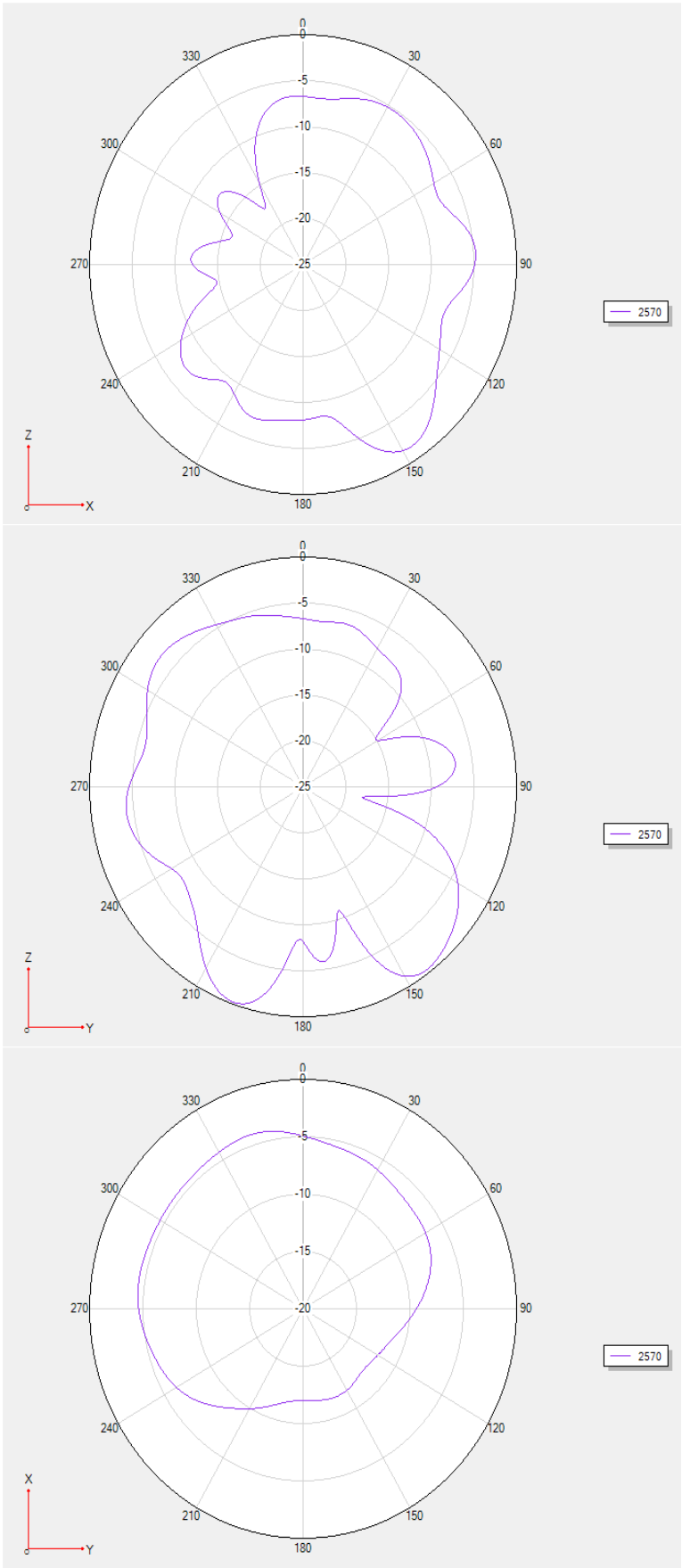


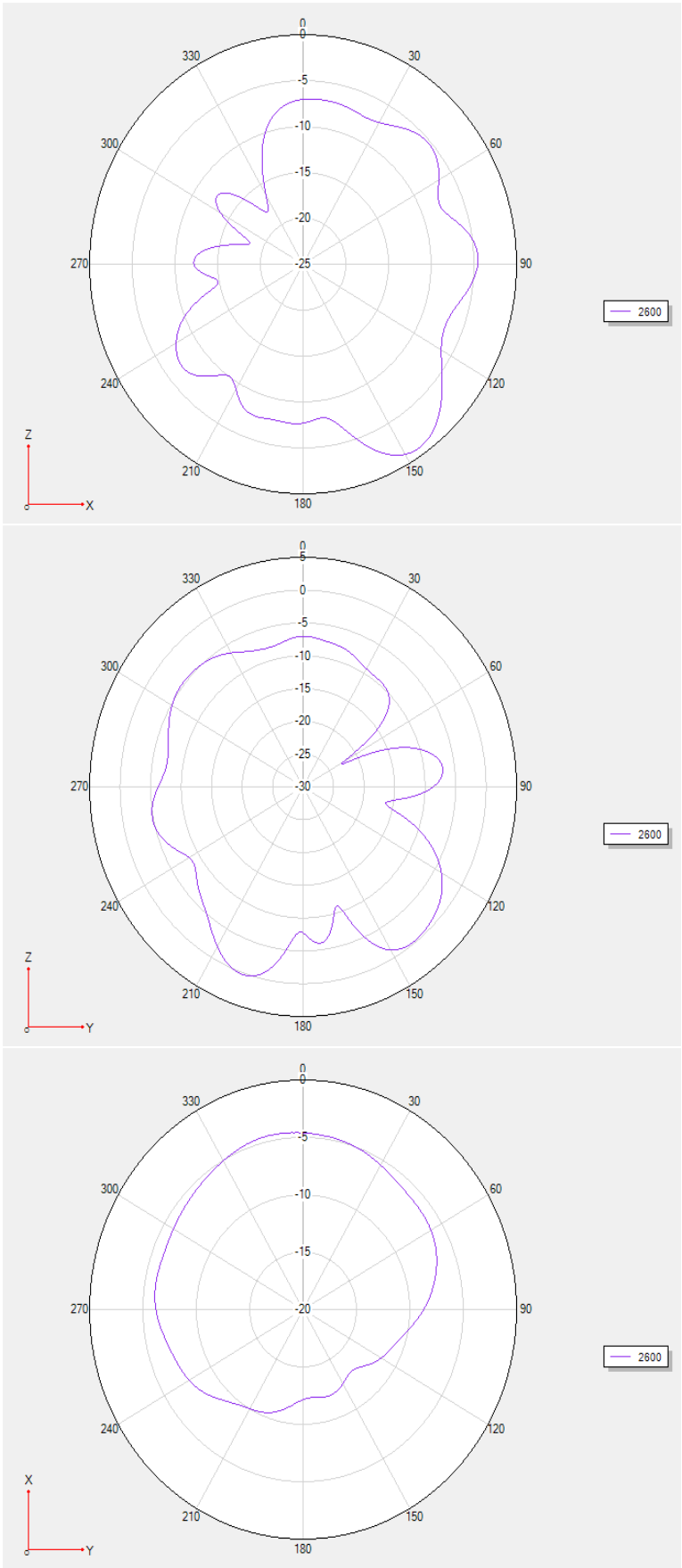
G900 W8 B8



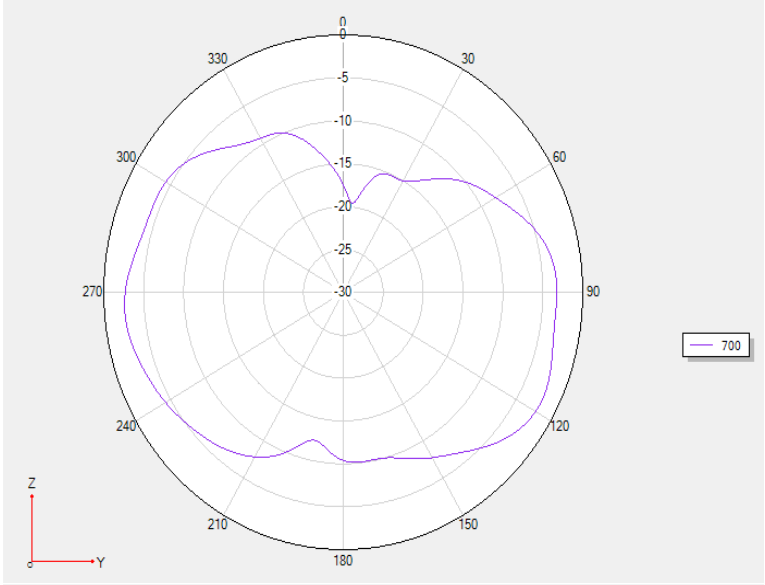


B7



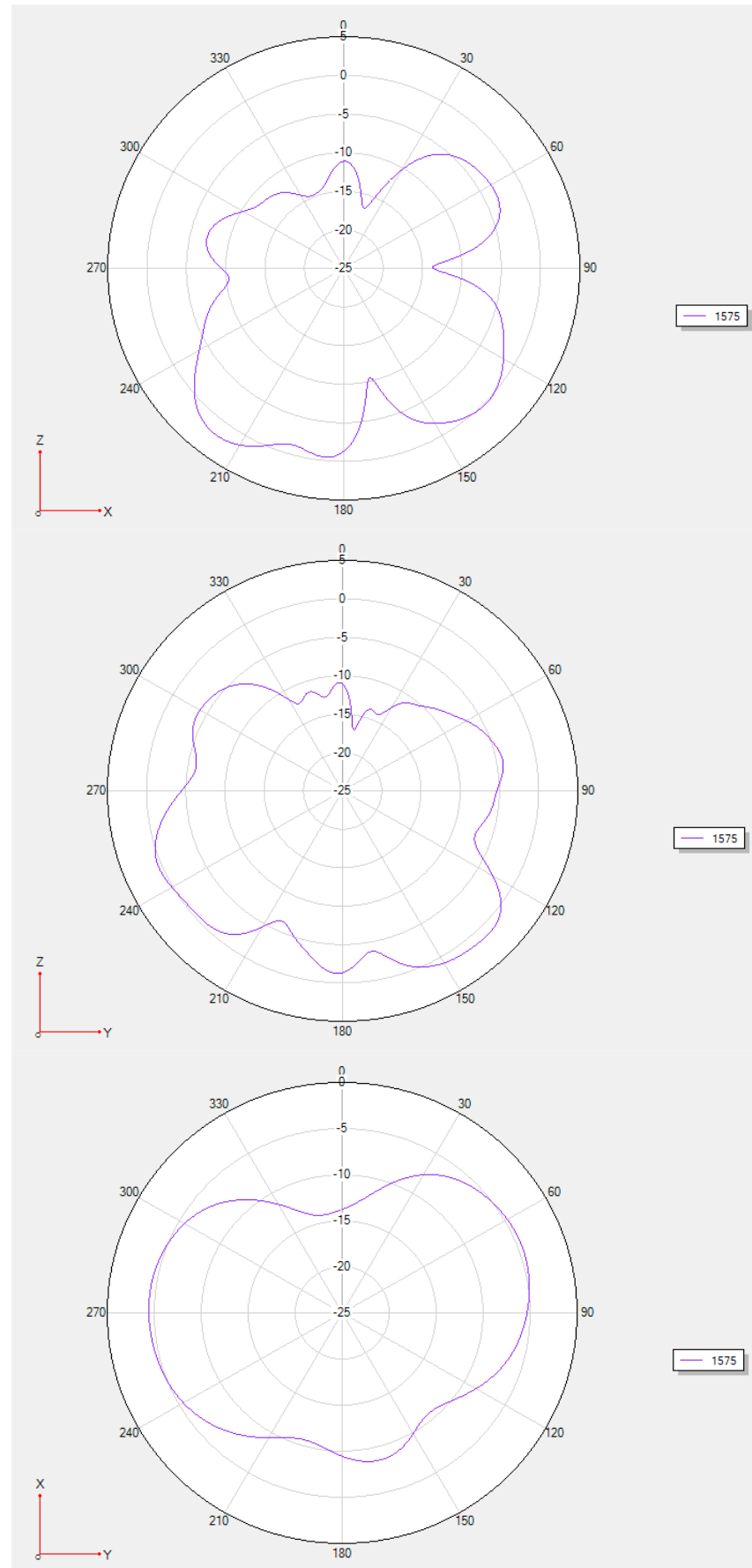


B12/B17/B28AB B13

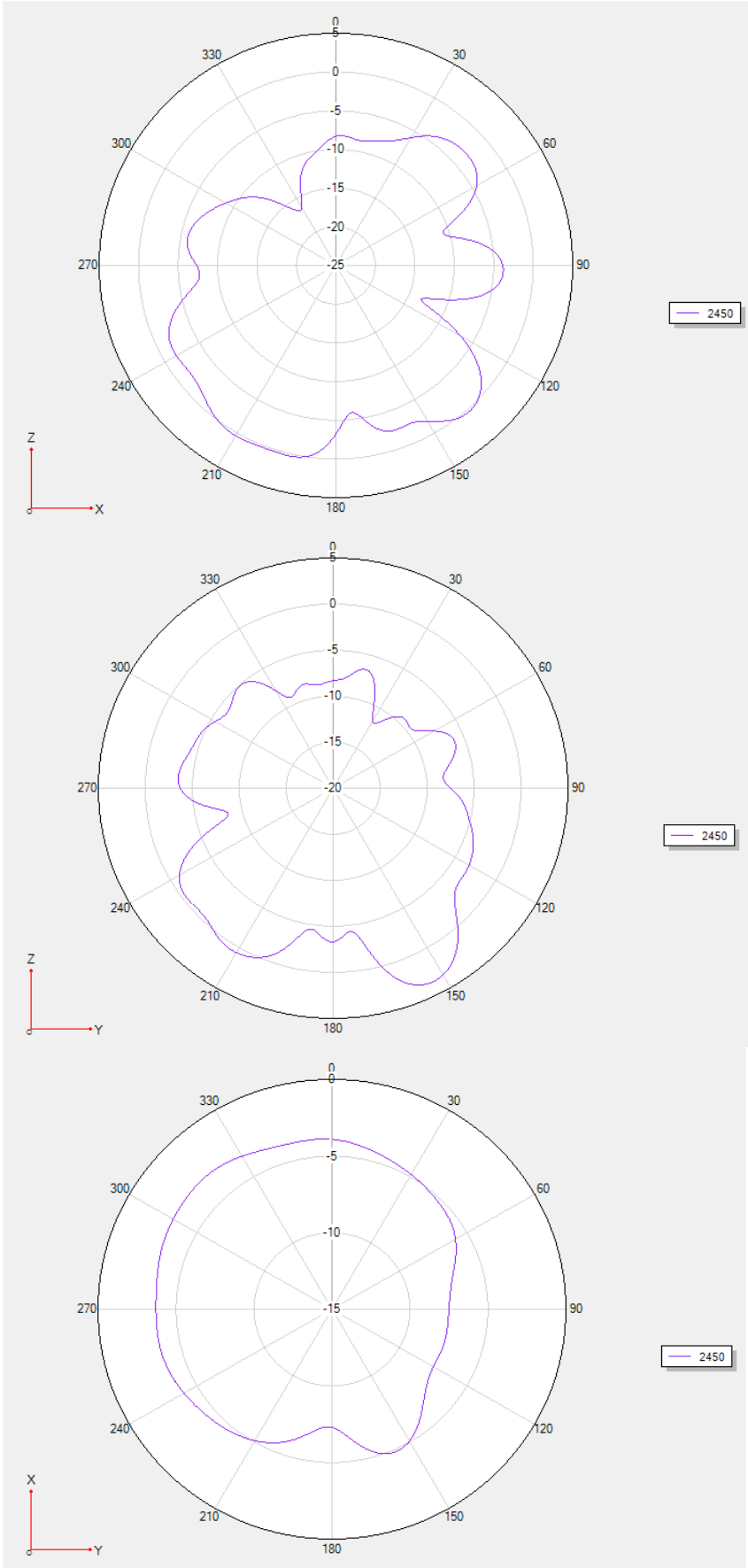


Three-in-one antenna

GPS

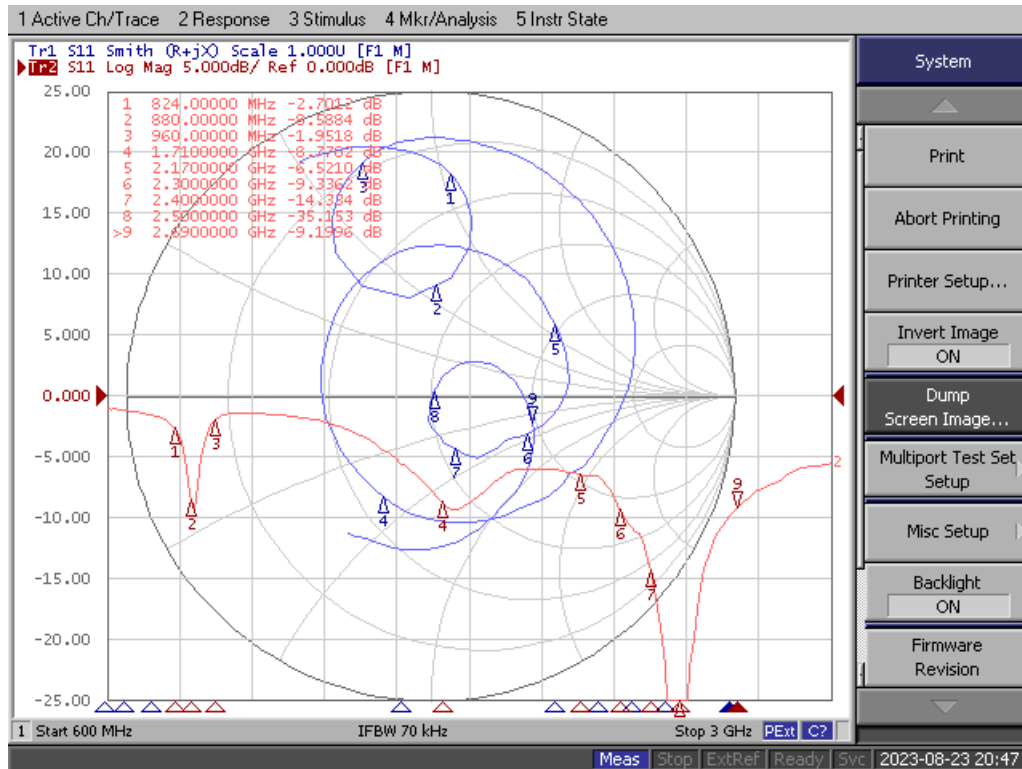


WIFI (2.4G) /BT

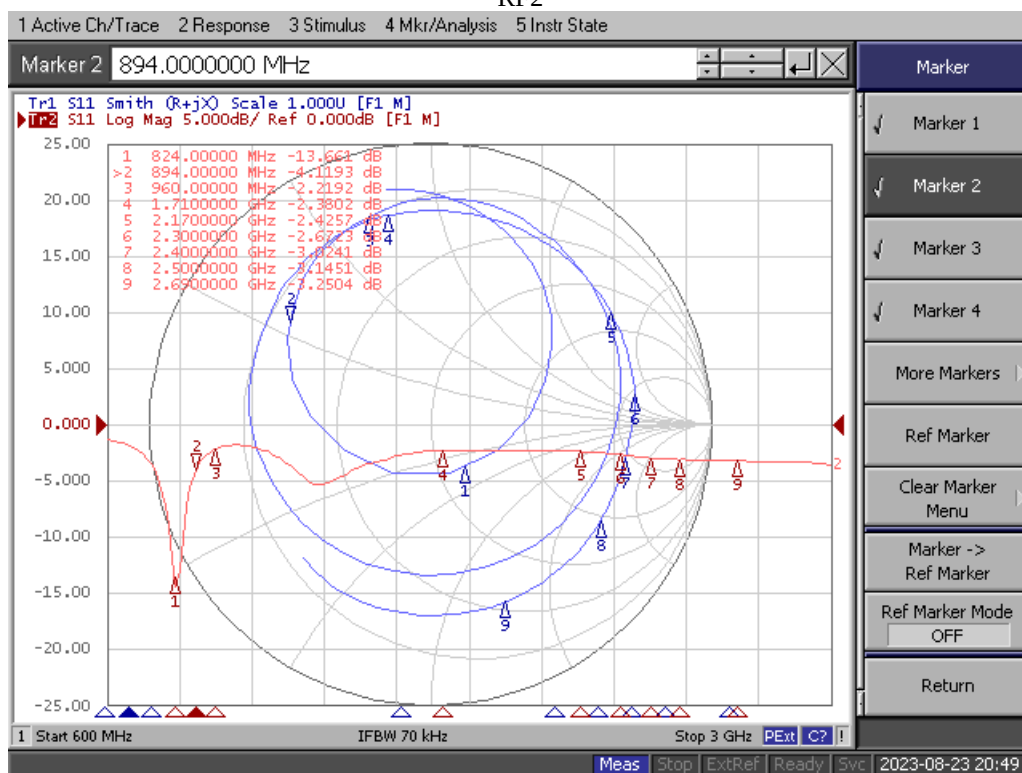


※S11:

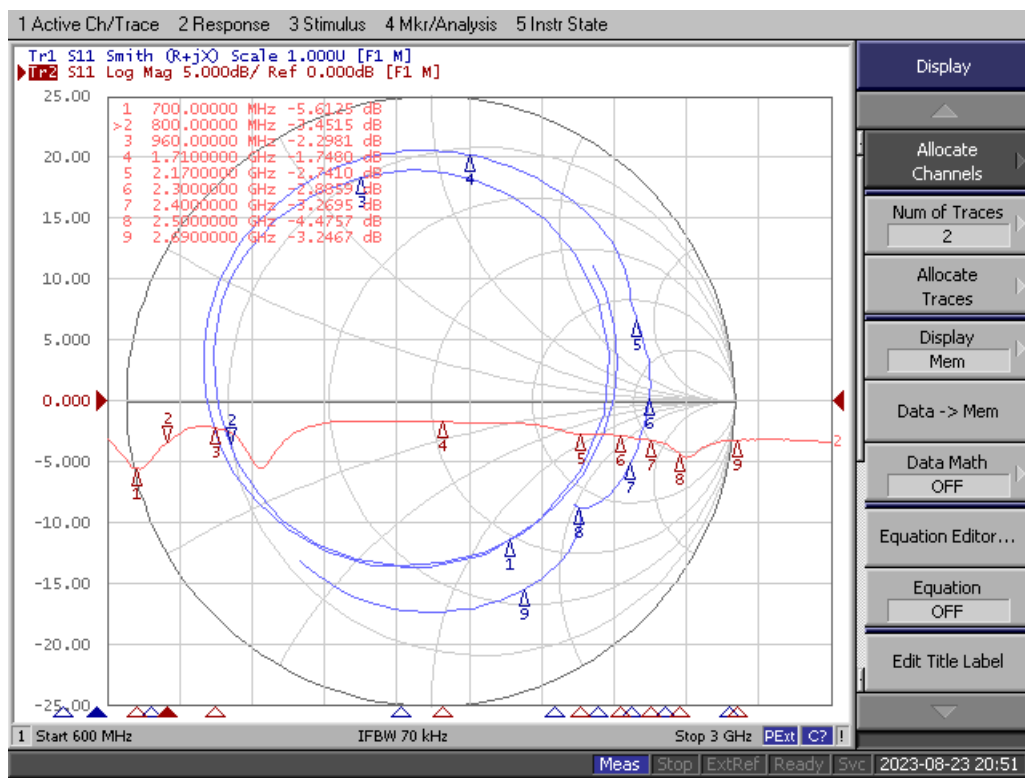
Main Antenna RF1



RF2



RF3



Three-in-one antenna

