

Feature

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

Application

※GSM850/900/DCS/PCS/WCDMA B1/B2/B4/B5/B8

LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/B38/B41(120M)/B66

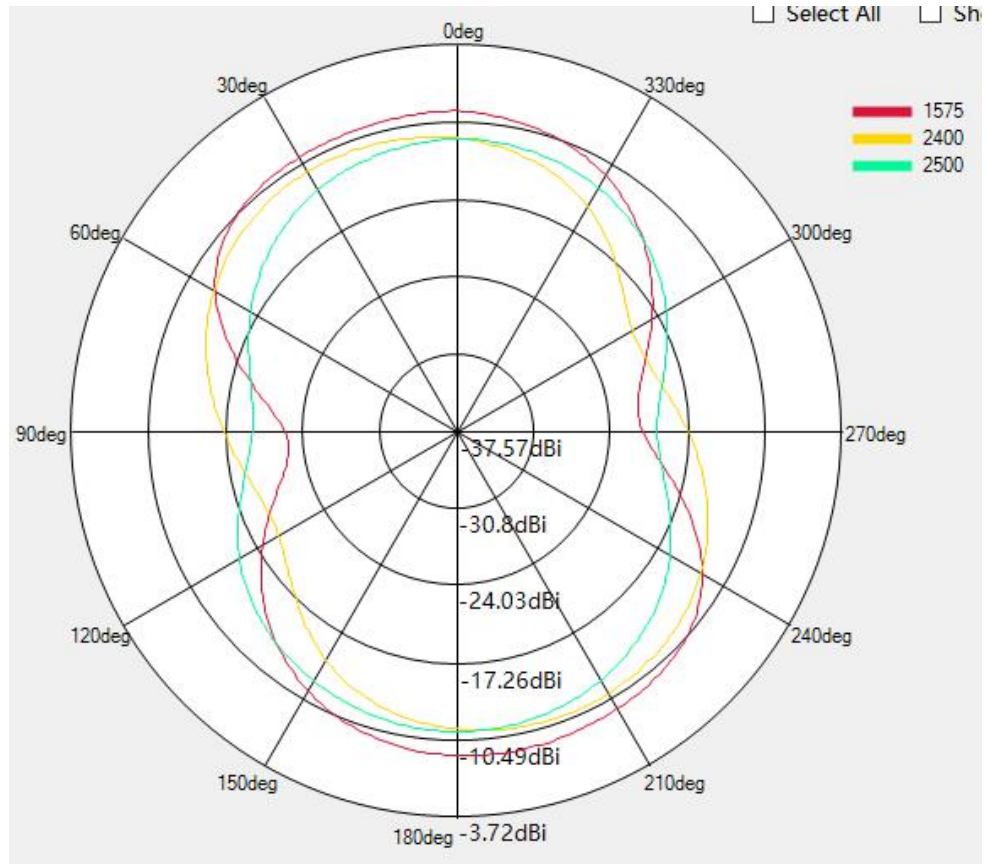
Name and address of the antenna manufacturer	Model number of the antenna
Shenzhen Haidermen Electronics Co., Ltd 3rd Floor, Building C, Shunluo Industrial Park, Dafuyuan Industrial Zone, Guanlan Street, Longhua New District, Shenzhen	CN5-ANT0 CN5-ANT1 CN5-ANT2 CN5-ANT3 CN5-ANT4 CN5-ANT12 CN5-ANT13 CN5-ANT14

TYPE		
Transmitter Frequency		GSM 850/WCDMA B5/LTE B5: 824 – 849 MHz
		GSM 900/WCDMA B8/LTE B8: 880 – 915 MHz
		DCS /WCDMA B4/LTE B3/B4/B66 : 1710 – 1785 MHz
		PCS/WCDMA B2/LTE B2:1850-1910MHz
		WCDMA B1/LTE B1: 1920 – 1980MHz
		LTE B7 :2496-2565MHz
		LTE B38/B41 :2565-2645MHz
		LTE B20:832-862MHz
		LTE B12/B17/B28A/B28B :710-755MHz
Receiver Frequency		GSM 850/WCDMA B5/LTE B5: 869 – 894 MHz
		GSM 900/WCDMA B8/LTE B8: 925 – 960 MHz
		DCS/LTE B3/B66: 1805 – 1880 MHz
		WCDMA 4/LTE B4 : 2110-2155 MHz
		PCS/WCDMA B2/LTE B2:1930-1990MHz
		WCDMA B1/LTE B1 : 2110 – 2170MHz
		LTE B7 :2620-2690MHz
		LTE B38/41 :2565-2645MHz
		LTE B20 :791-821MHz
		LTE B12/B17/B28A/B28B :758-803MHz
RF-Output Power (E.I.R.P)		GSM850/900: 32+/-2dBm
		DCS/PCS: 30+/-2dBm
		LTE B1/B2/B3/ B4/B5/B7/B8/B12/B17/B20/ B28A/B28B/B38/B40/B41/B66: 23+/-2dBm
		WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm
Antenna Gain	ANT0	GSM 850/WCDMA B5/LTE B5 : -8.6
		GSM 900/WCDMA B8/LTE B8: -6.9
		LTE B20:-8.2
		LTE B12/B17/B28A/B28B:-9.2
	ANT1	DCS /WCDMA B4/LTE B3/B4/B66: -2.7
		PCS/WCDMA B2/LTE B2: -3.3
		WCDMA B1/LTE B1 : -2.5
		LTE B7/B38/B41: -2.2

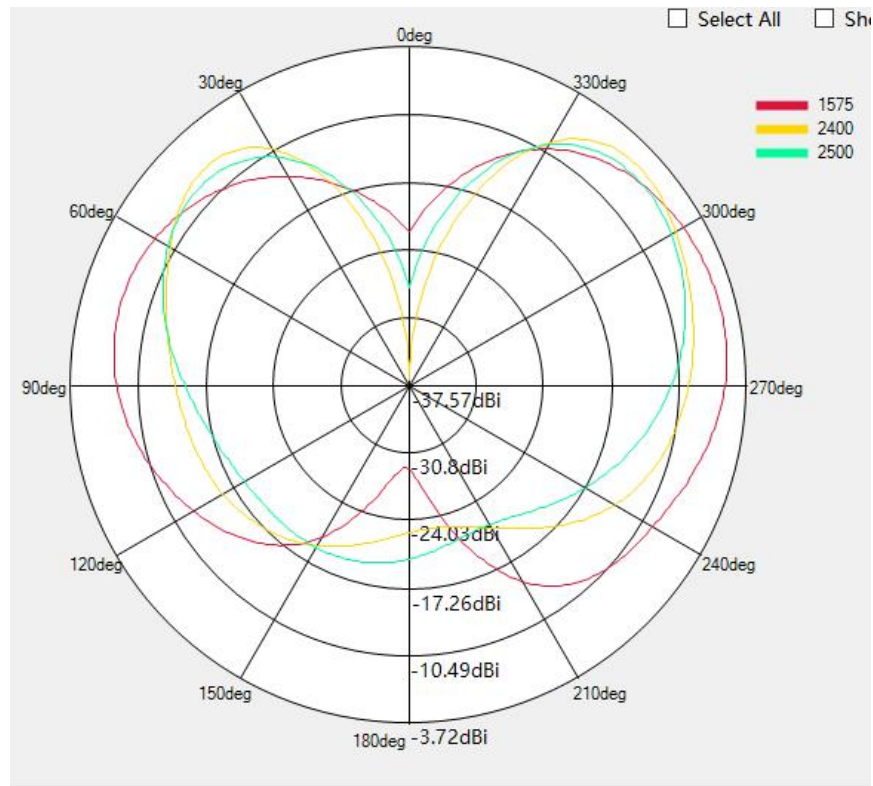
	ANT2	GSM 850/WCDMA B5/LTE B5 : -5.8
		GSM 900/WCDMA B8/LTE B8: -6
		LTE B20:-5
		LTE B12/B17/B28A/B28B:-7.2
	ANT4	DCS /WCDMA B4/LTE B3/B4/B66: -2.0
		PCS/WCDMA B2/LTE B2: -3.4
		WCDMA B1/LTE B1 : -3.1
		LTE B7/B38/B41: -3.9
	ANT12	GPS(L1):-2.9 BT/WIFI 2.4G:-2.6
	ANT13	BT/WIFI 2.4G:-0.2
	ANT14	WIFI 5G:-1.3
	Type of Modulation	

※ Antenna Gain

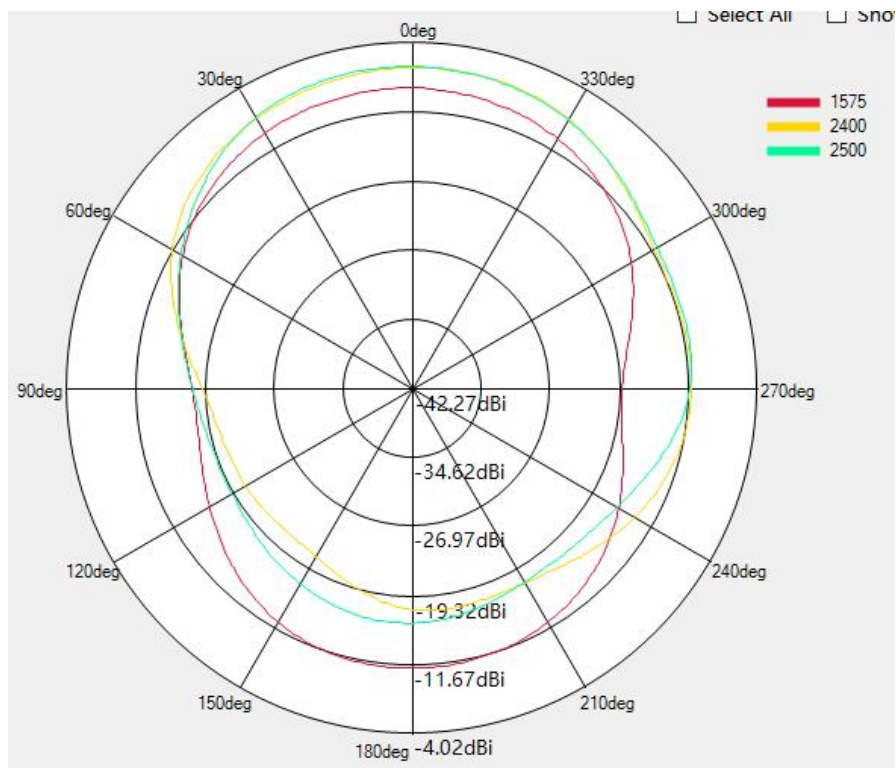
ANT12 GPS/BT/WIFI 2.4G



GPS&2.4G WIFI&BT Phi=0deg

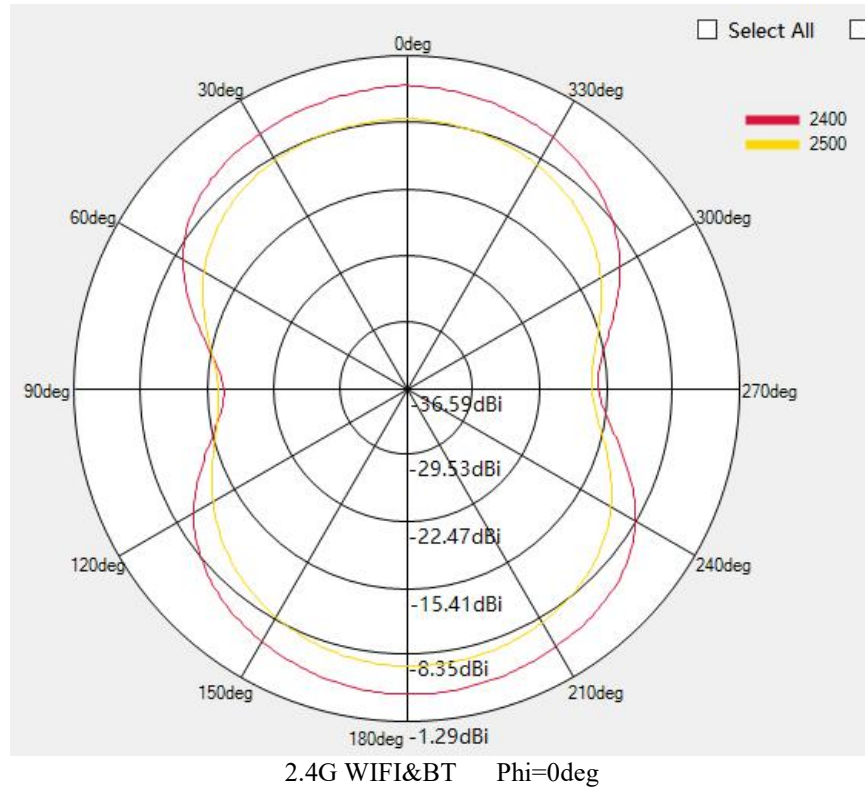


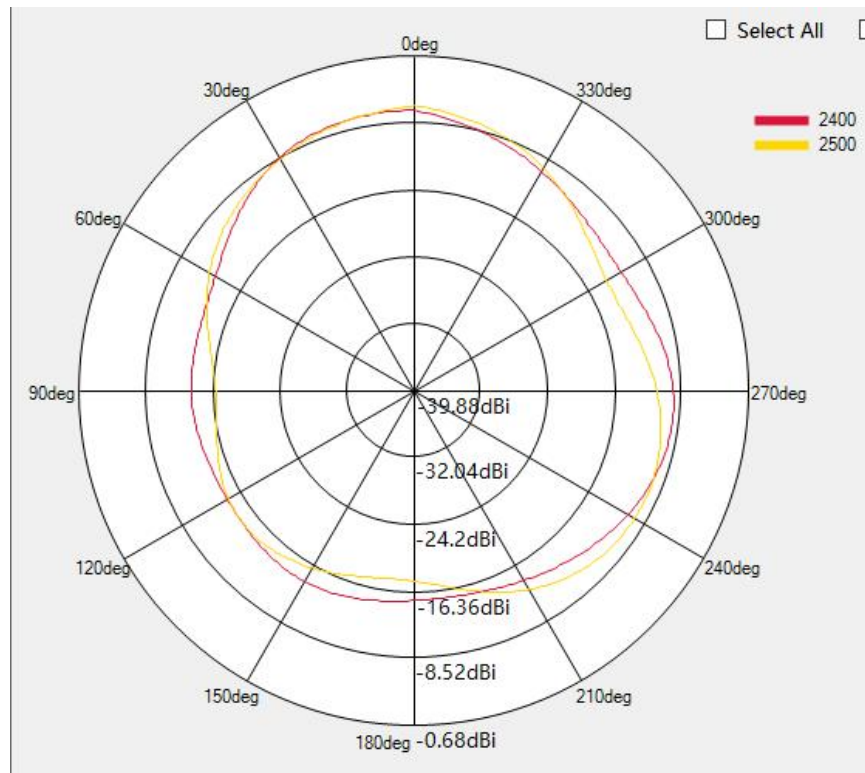
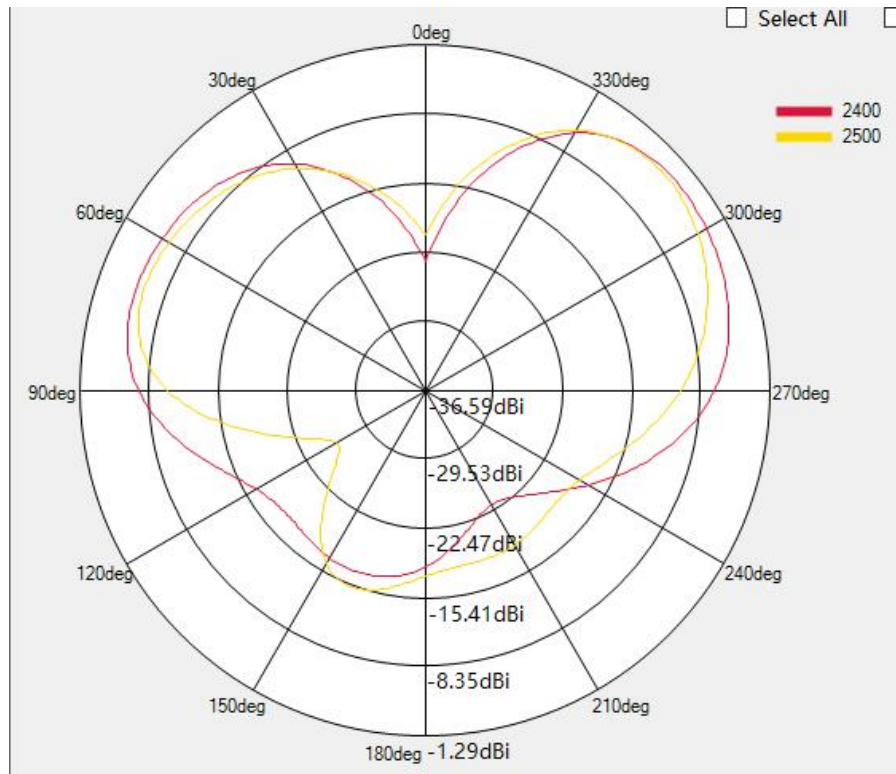
GPS&2.4G WIFI&BT Phi=90deg



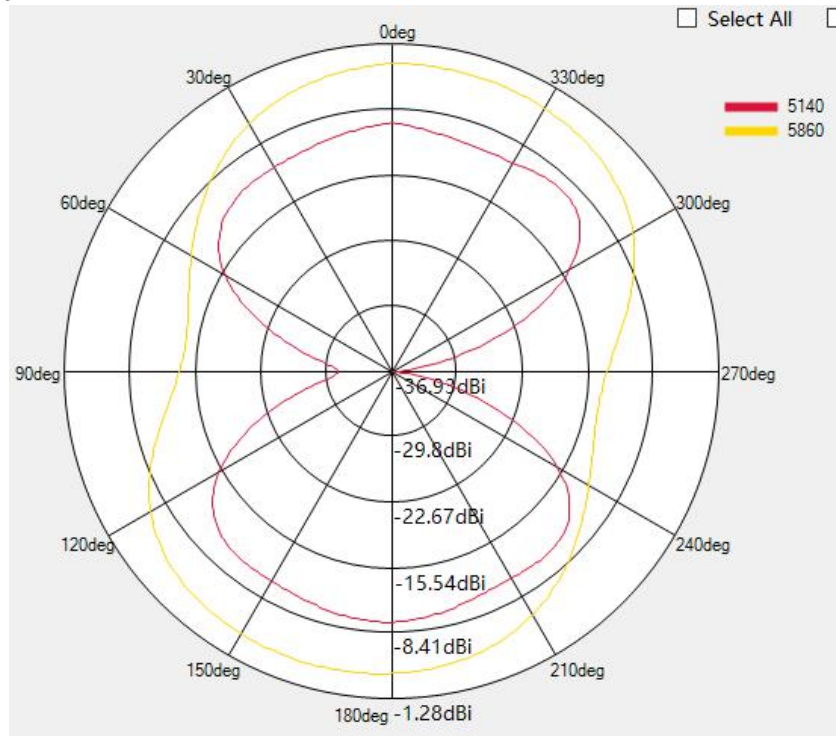
GPS&2.4G WIFI&BT Theta=90deg

※ Antenna Gain
ANT13 BT/WIFI 2.4G

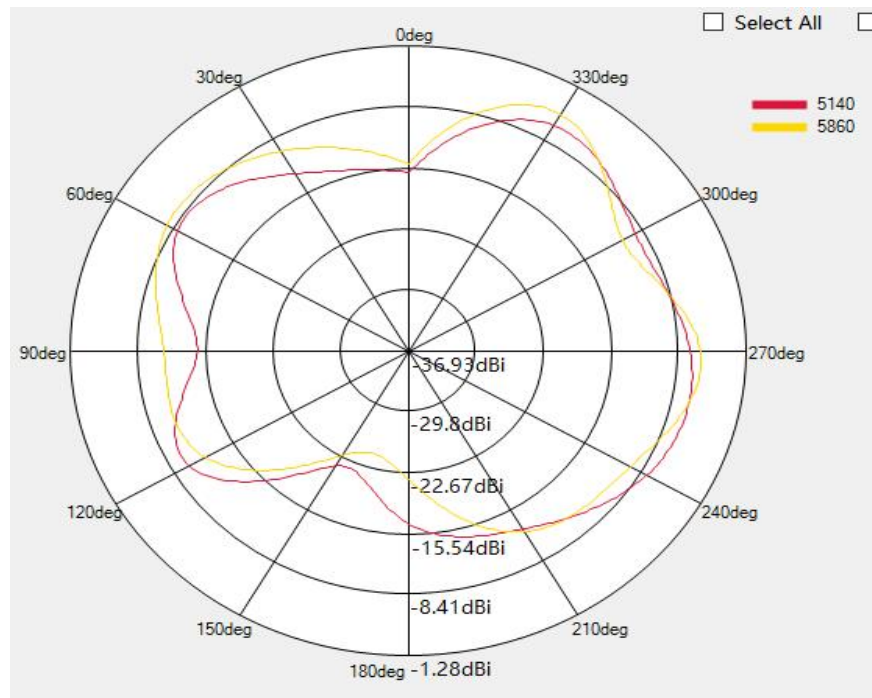




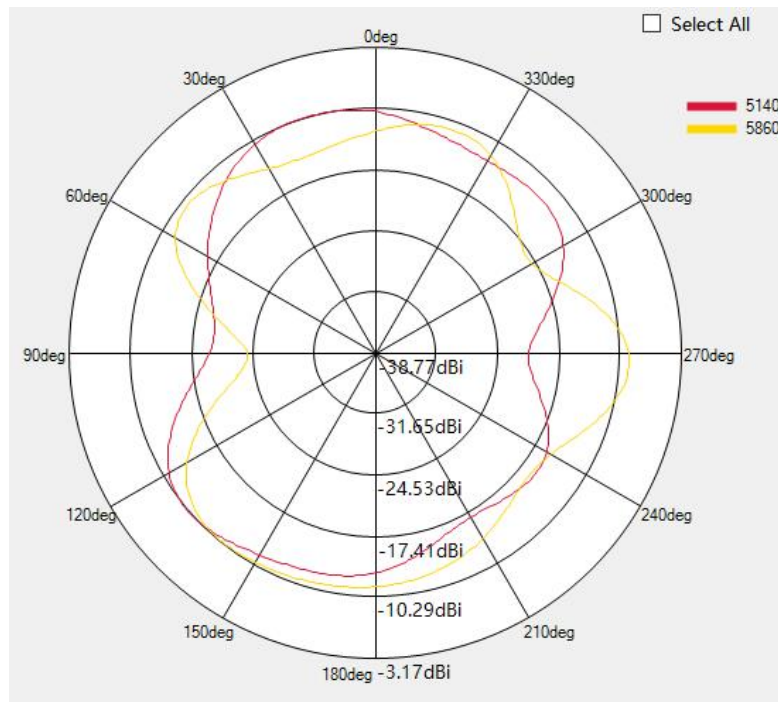
※ Antenna Gain
ANT14 WIFI 5G



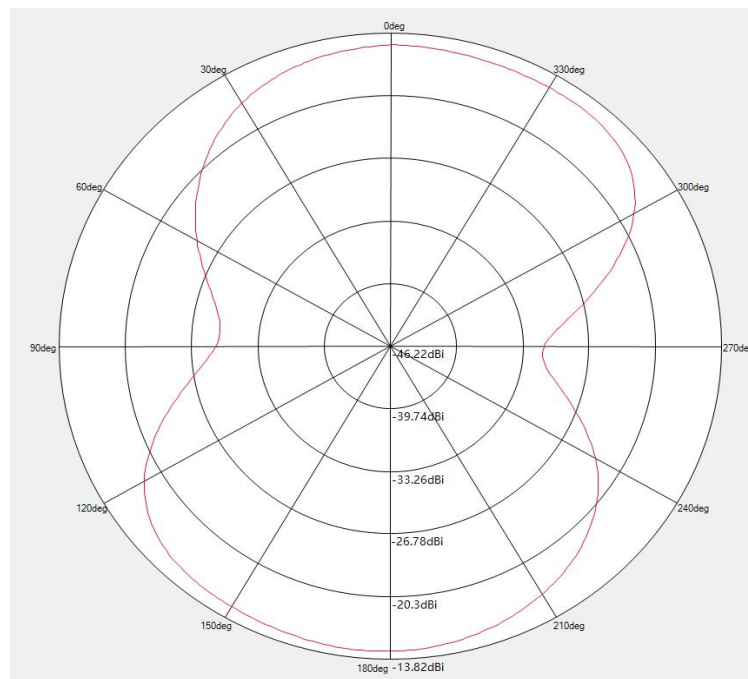
5G WIFI Phi=0deg

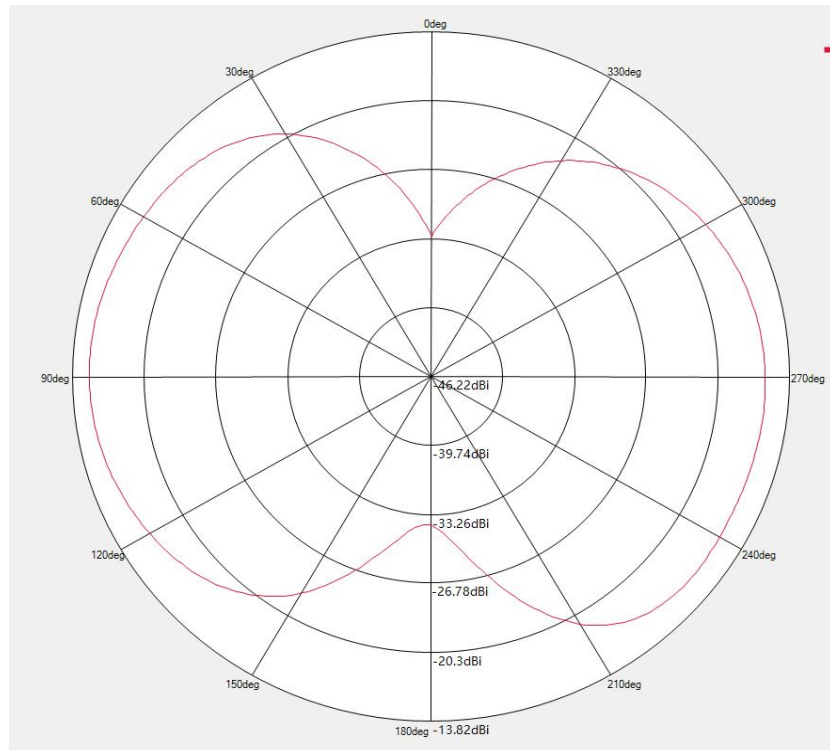


5G WIFI Phi=90deg

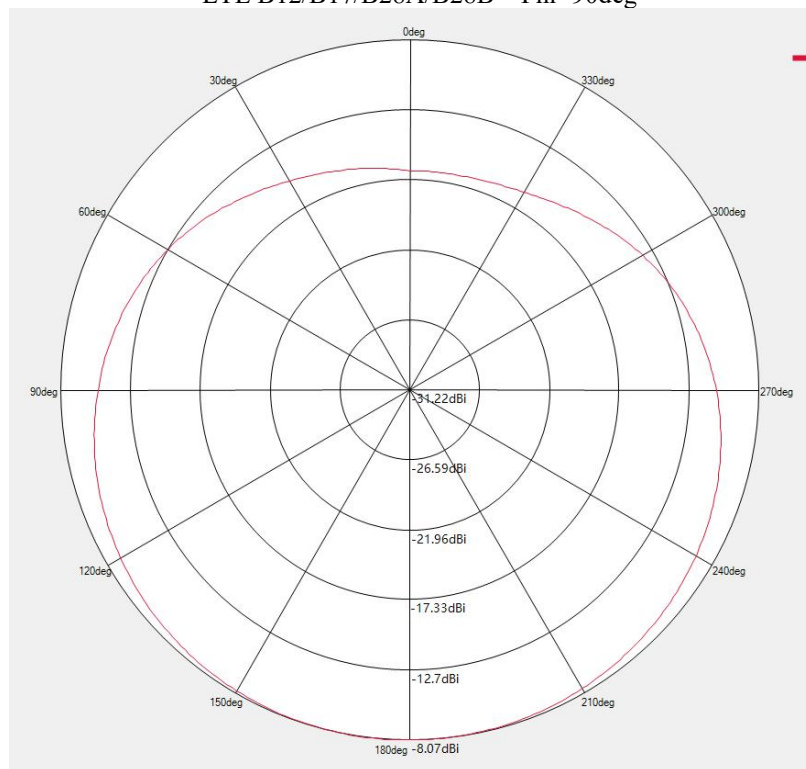


※ Antenna Gain
ANT0





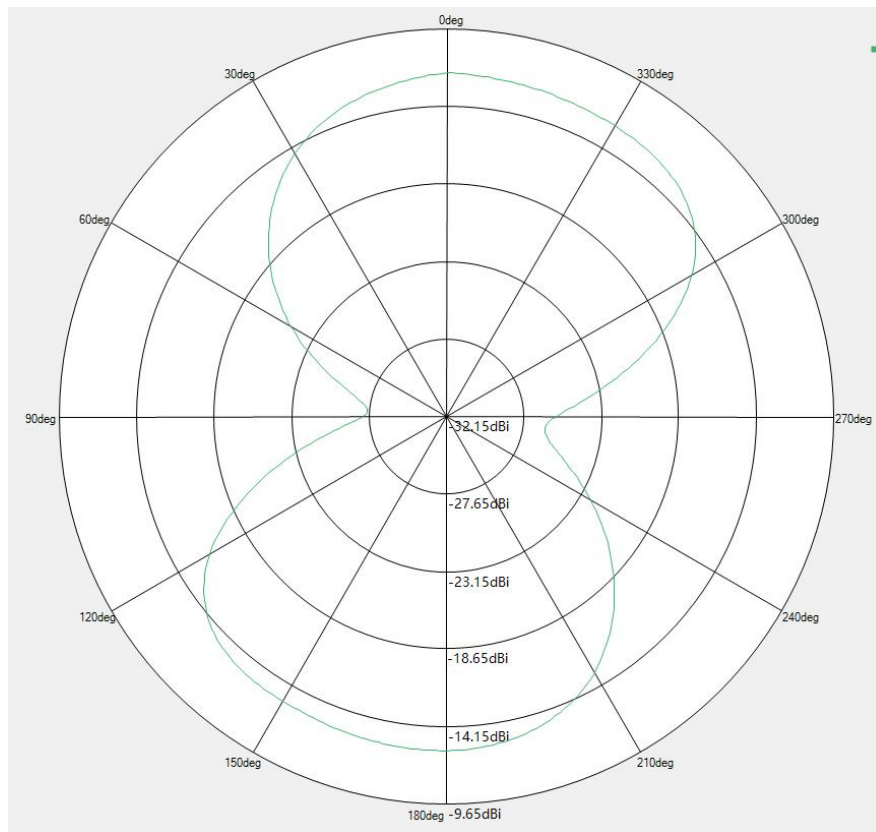
LTE B12/B17/B28A/B28B Phi=90deg



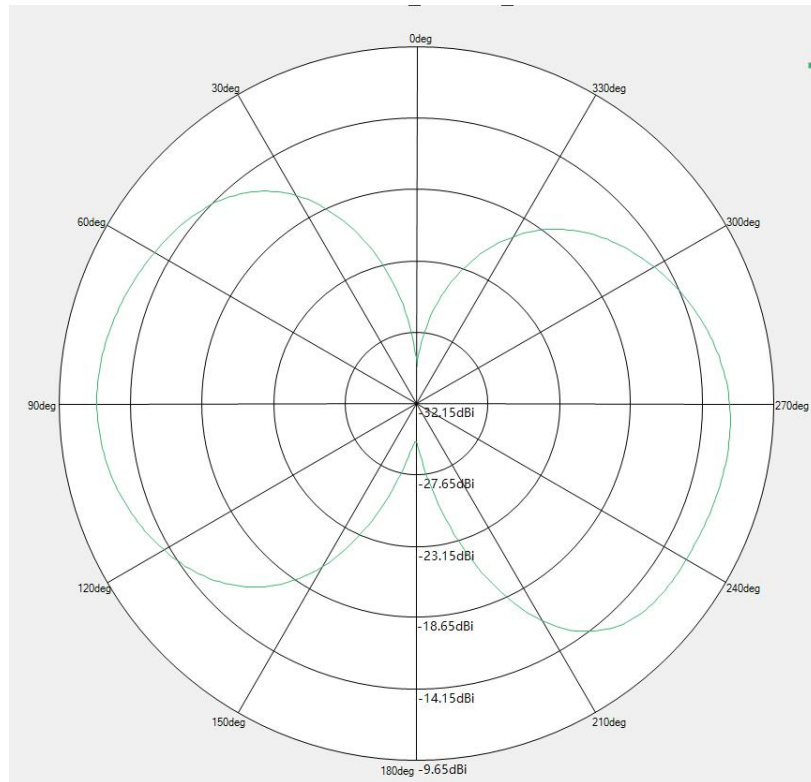
LTE B12/B17/B28A/B28B Theta=90deg

※ Antenna Gain

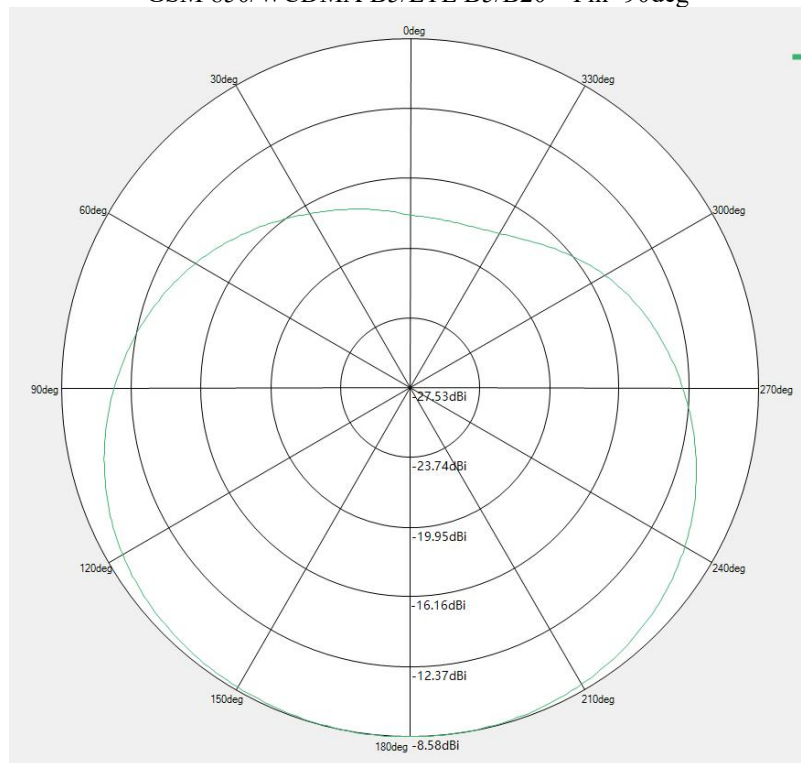
ANT0



GSM 850/WCDMA B5/LTE B5/B20 Phi=0deg



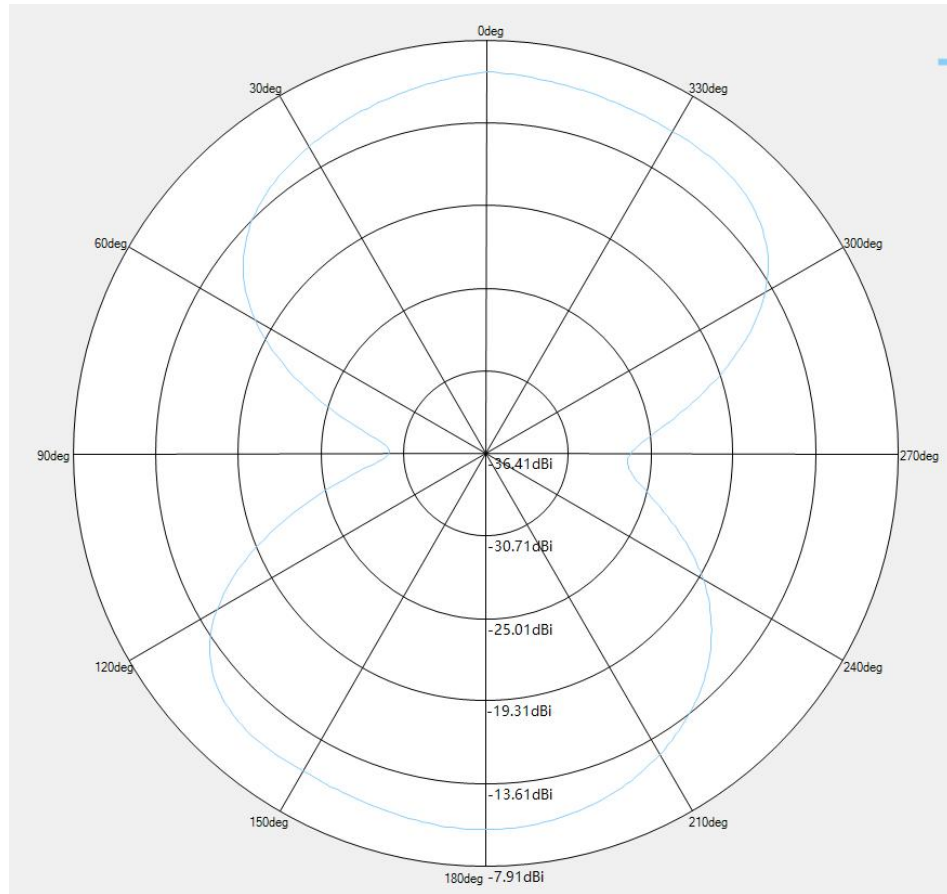
GSM 850/WCDMA B5/LTE B5/B20 $\Phi=90^\circ$



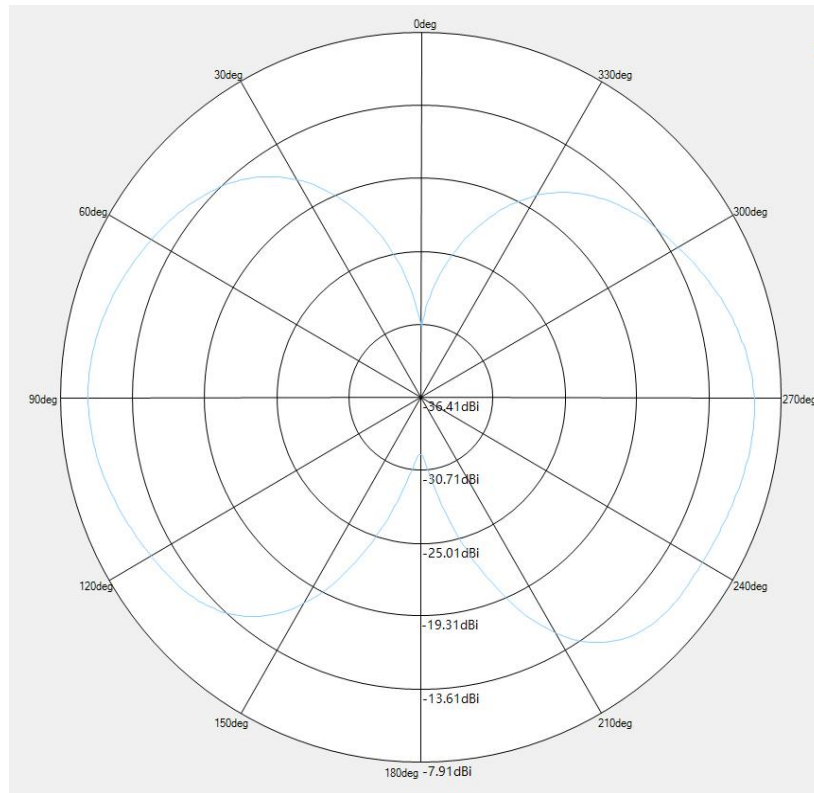
GSM 850/WCDMA B5/LTE B5/B20 $\Theta=90^\circ$

※ Antenna Gain

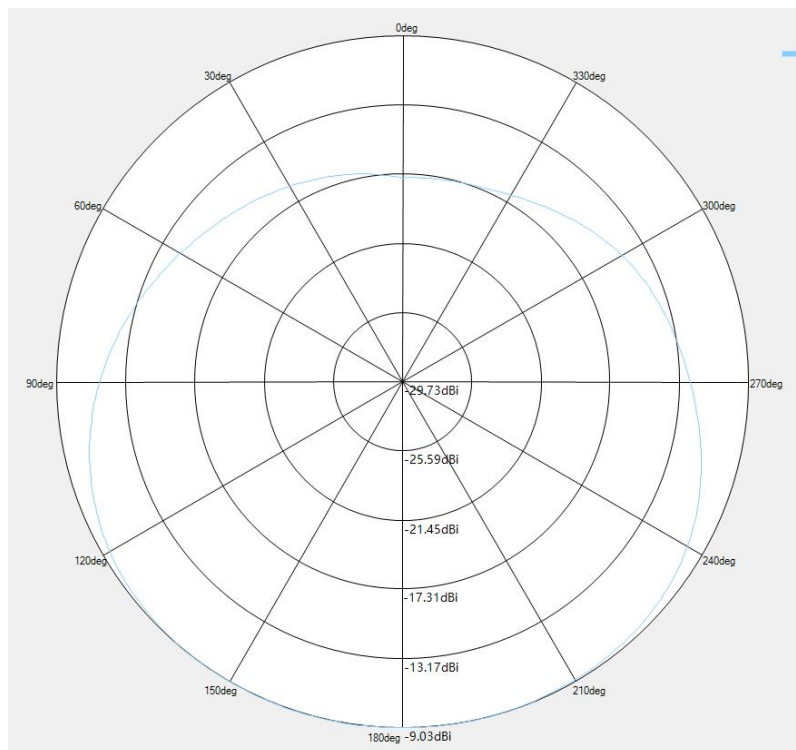
ANT0



GSM 900/WCDMA B8/LTE B8 Phi=0deg



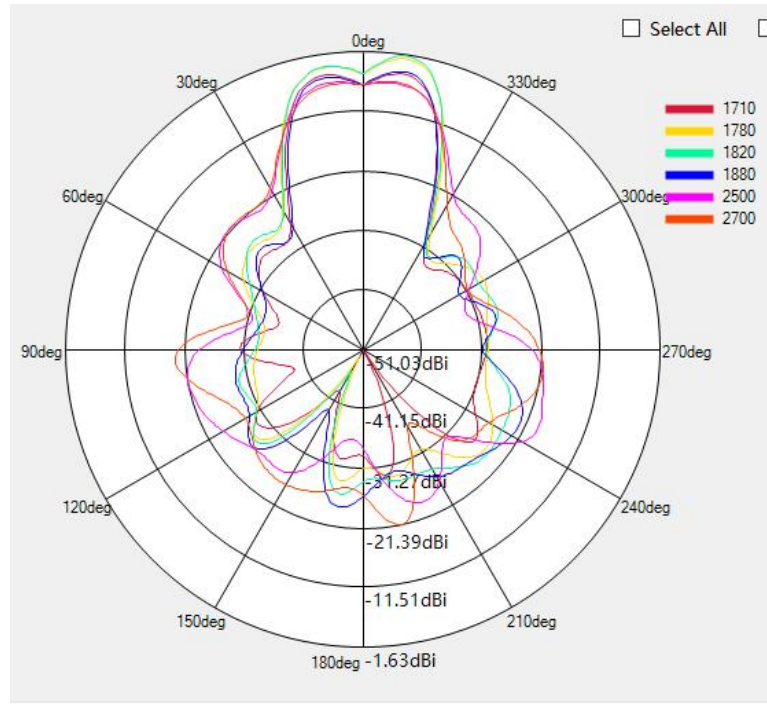
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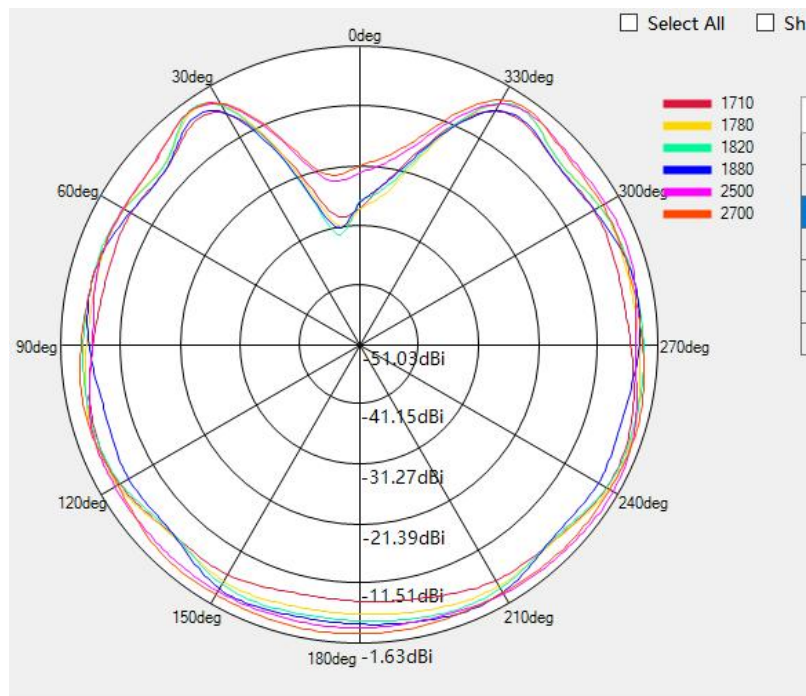
GSM 900/WCDMA B8/LTE B8 Theta=90deg

※ Antenna Gain

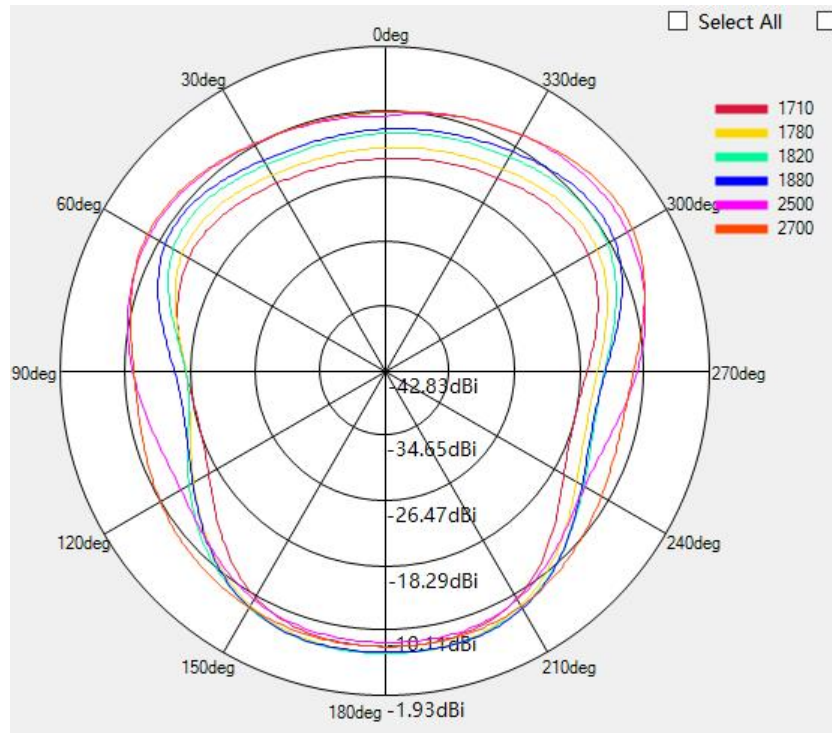
ANT1



DCS /WCDMA B4/LTE B3/B4/B7/B38/B41/B66 Phi=0deg



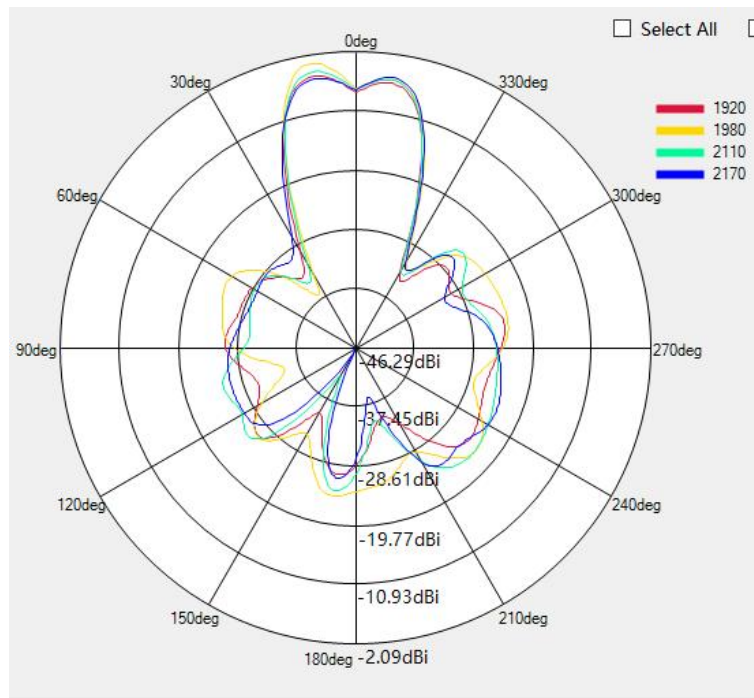
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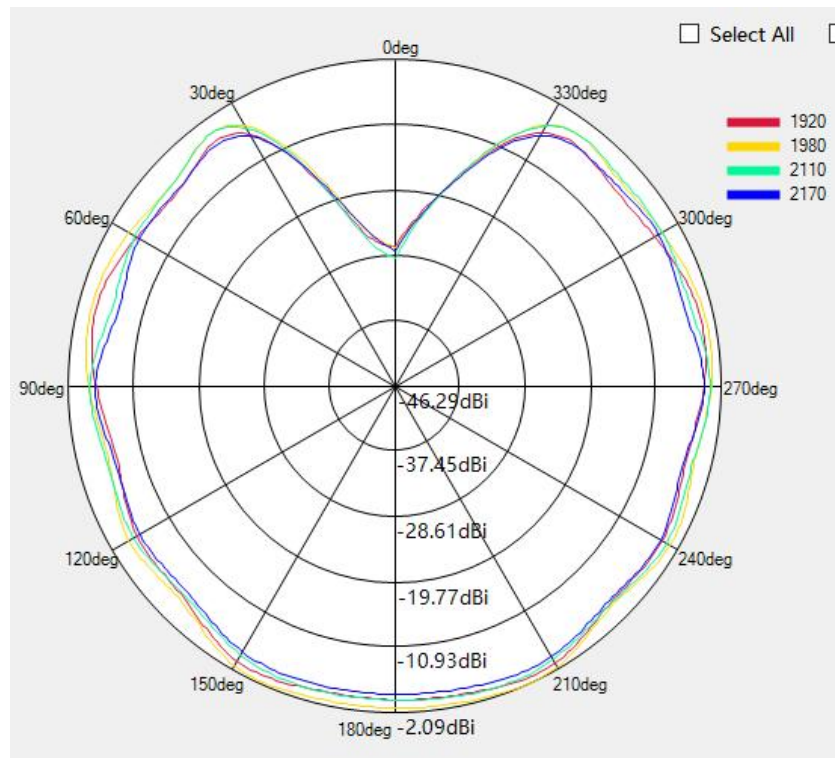
DCS /WCDMA B4/LTE B3/B4/B7/B38/B41/B66 Theta=90deg

※ Antenna Gain

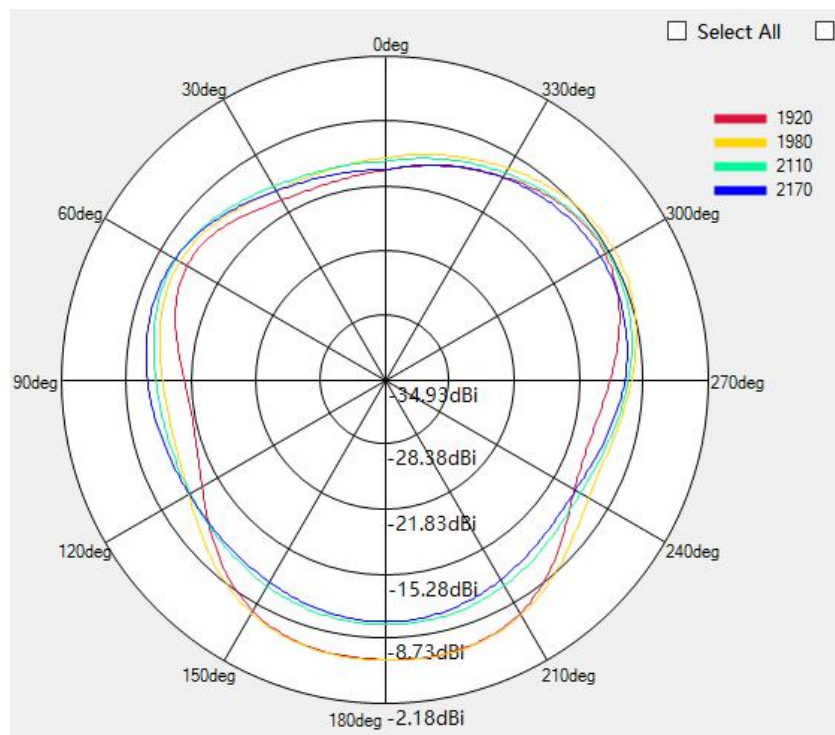
ANT1



PCS/WCDMA B1/B2/LTE B1/B2 Phi=0deg

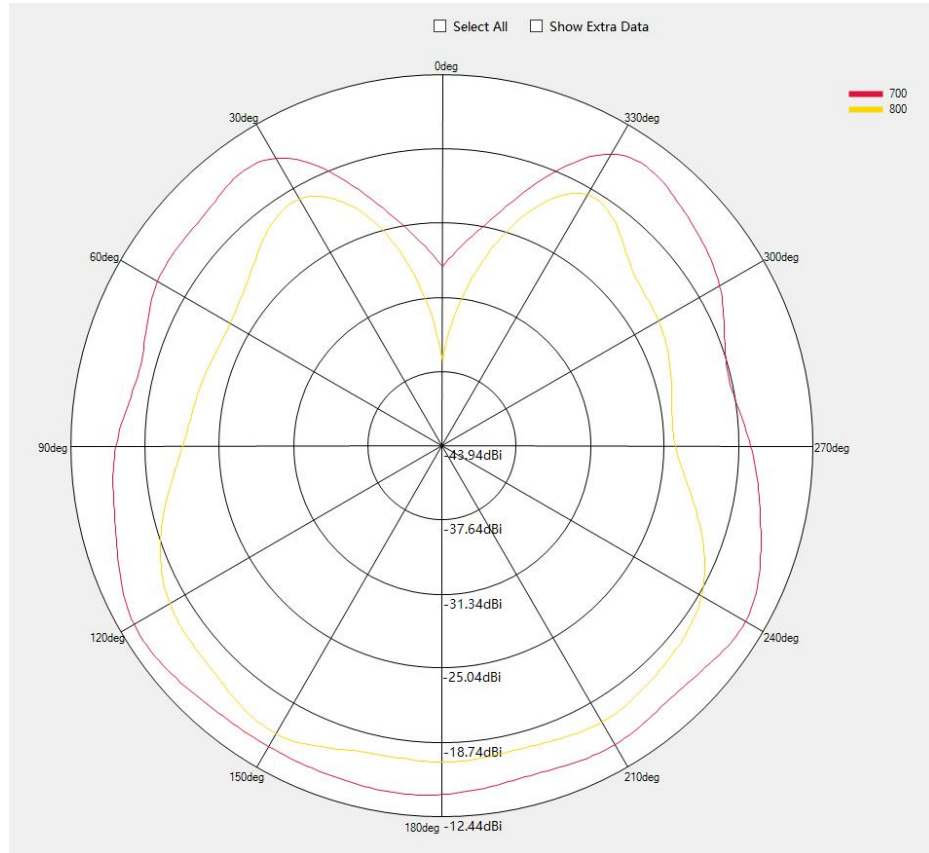


PCS/WCDMA B1/B2/LTE B1/B2 Phi=90deg

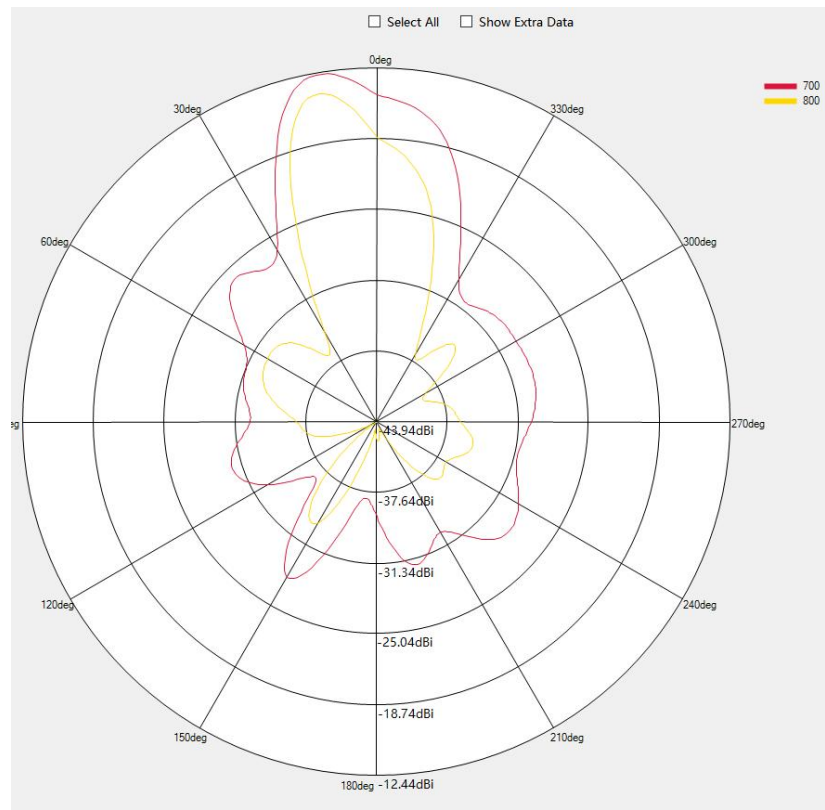


PCS/WCDMA B1/B2/LTE B1/B2 Theta=90deg

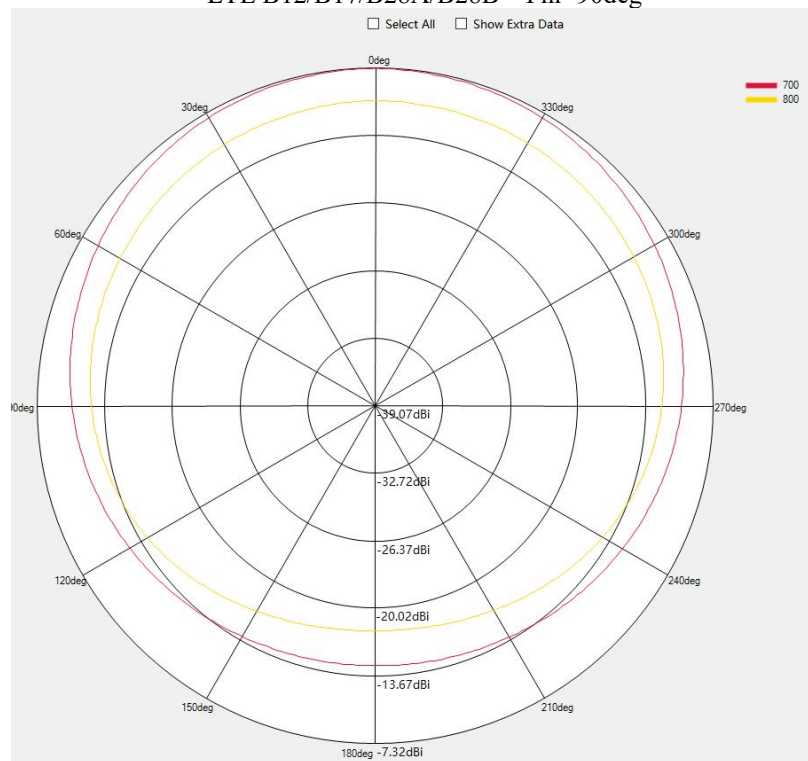
※ Antenna Gain
ANT2



LTE B12/B17/B28A/B28B Phi=0deg

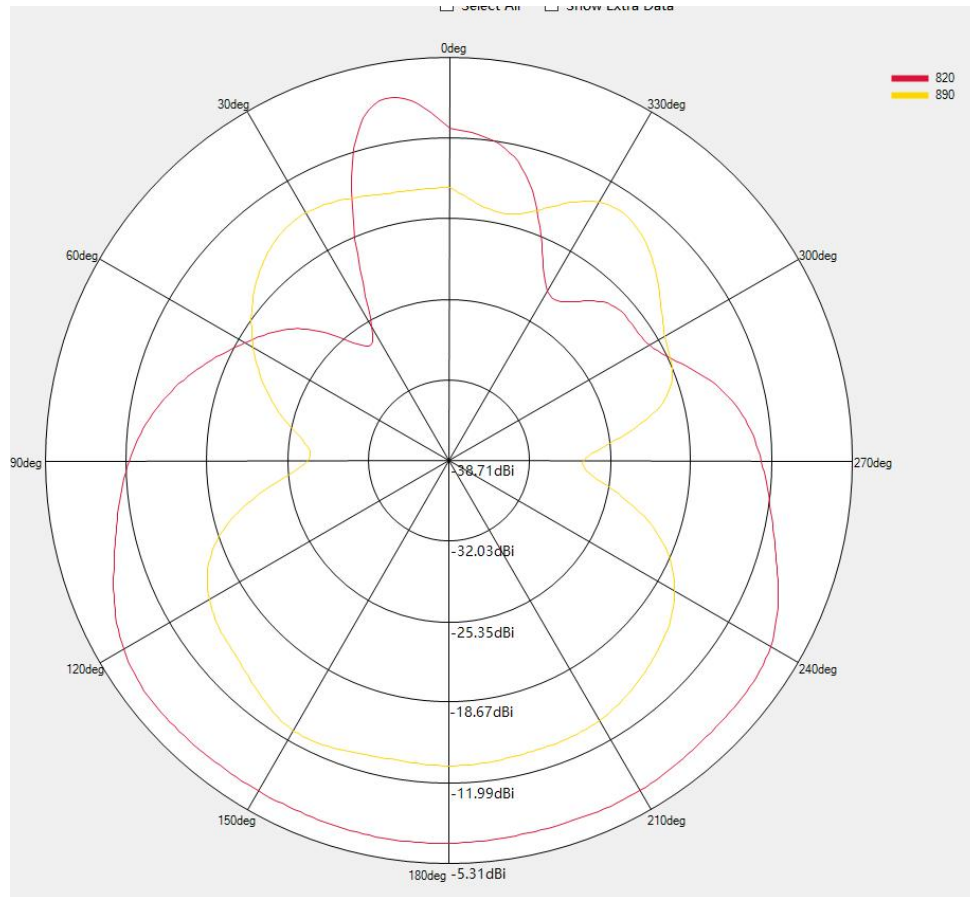


LTE B12/B17/B28A/B28B Phi=90deg

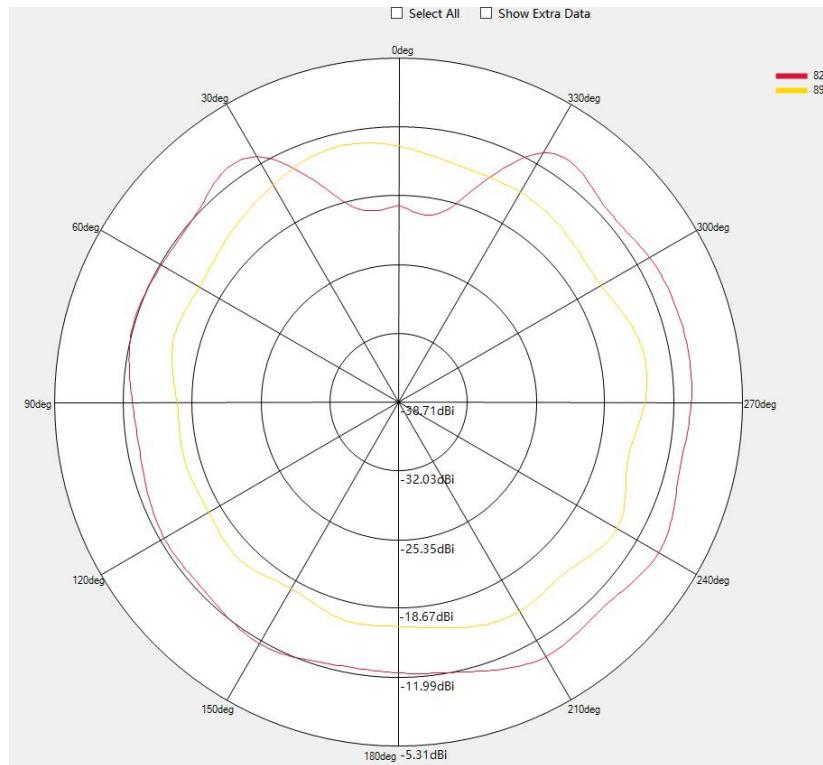


LTE B12/B17/B28A/B28B Theta=90deg

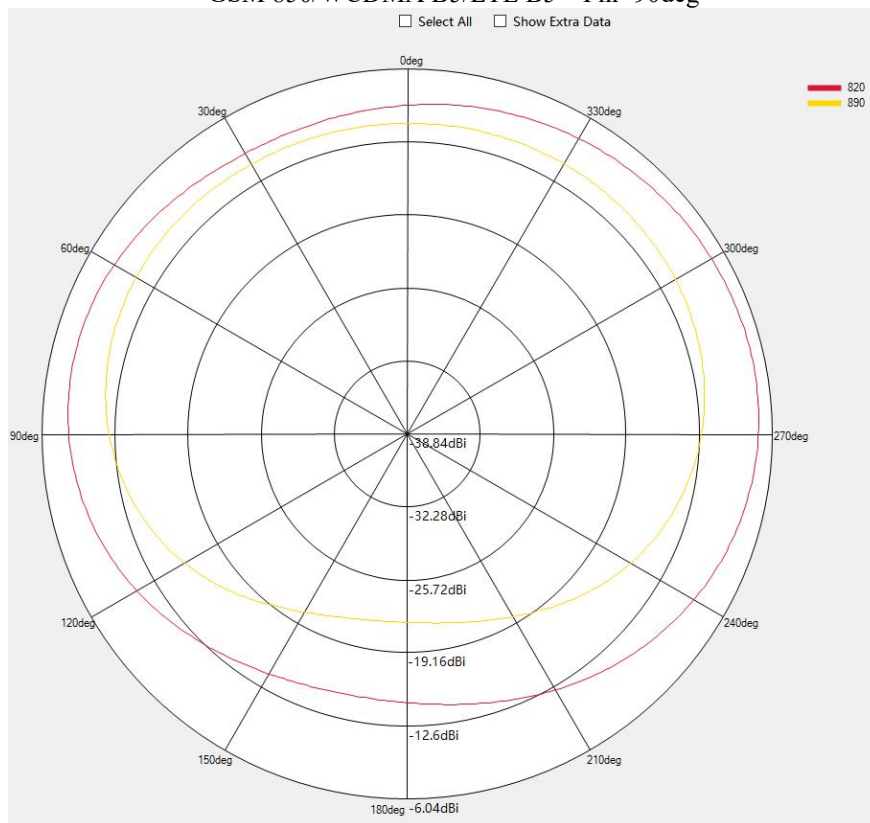
※ Antenna Gain
ANT2



GSM 850/WCDMA B5/LTE B5 Phi=0deg



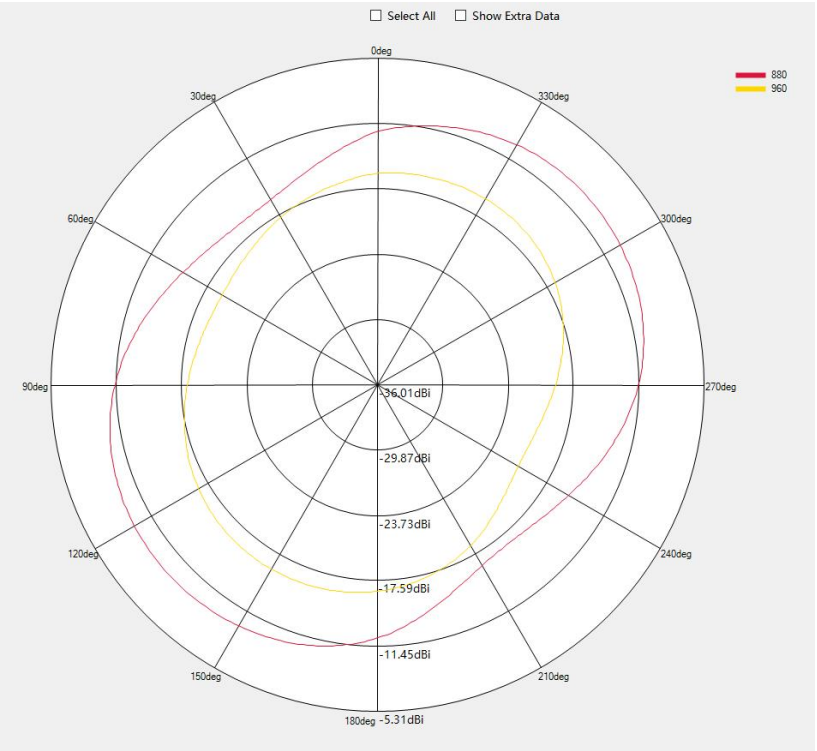
GSM 850/WCDMA B5/LTE B5 Phi=90deg



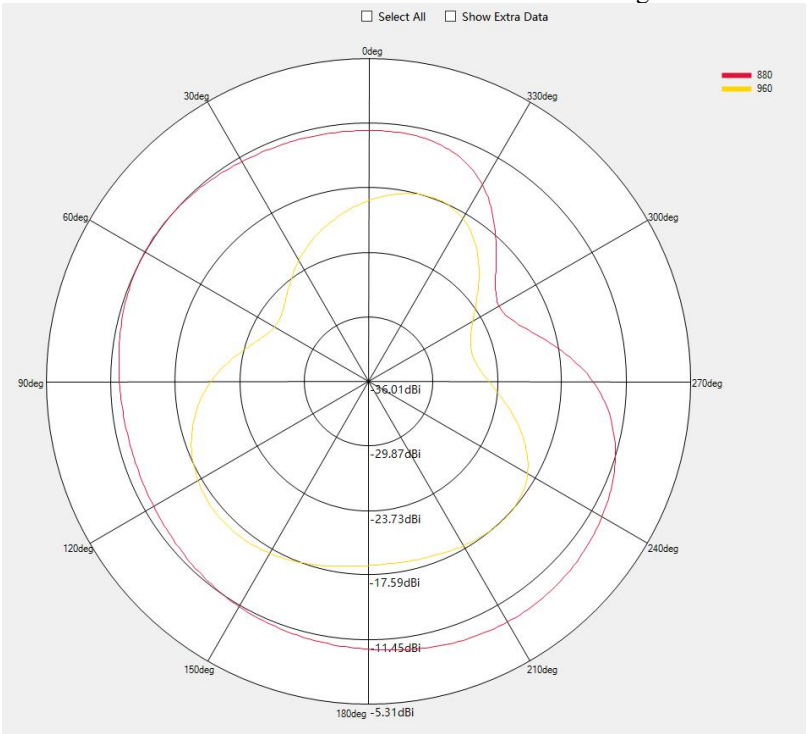
GSM 850/WCDMA B5/LTE B5 Theta=90deg

※ Antenna Gain

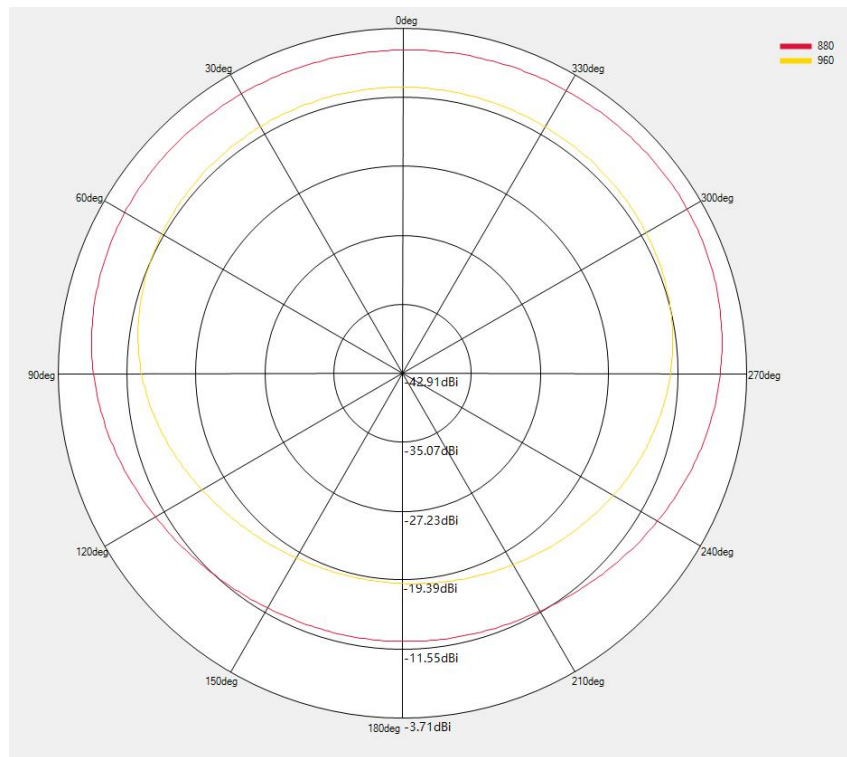
ANT2



GSM 900/WCDMA B8/LTE B8 Phi=0deg



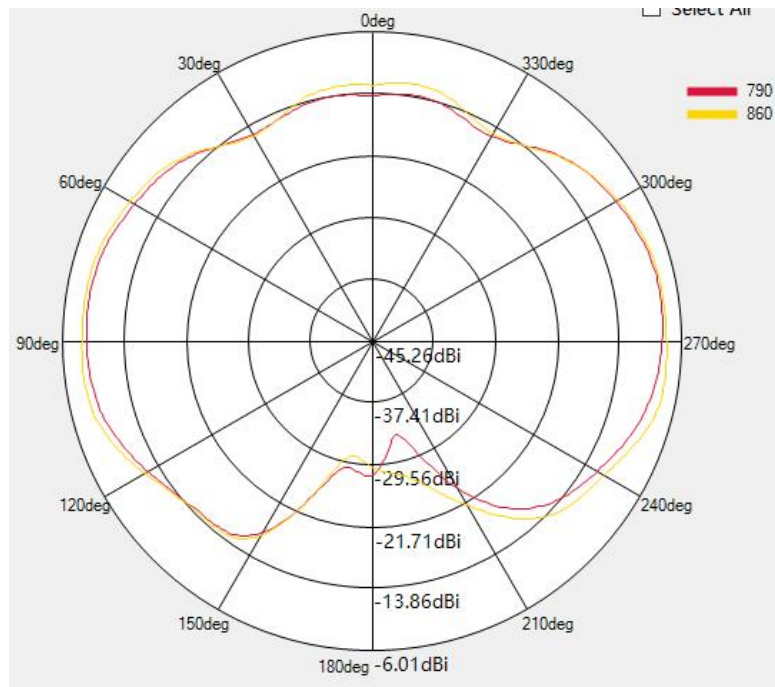
GSM 900/WCDMA B8/LTE B8 Phi=90deg



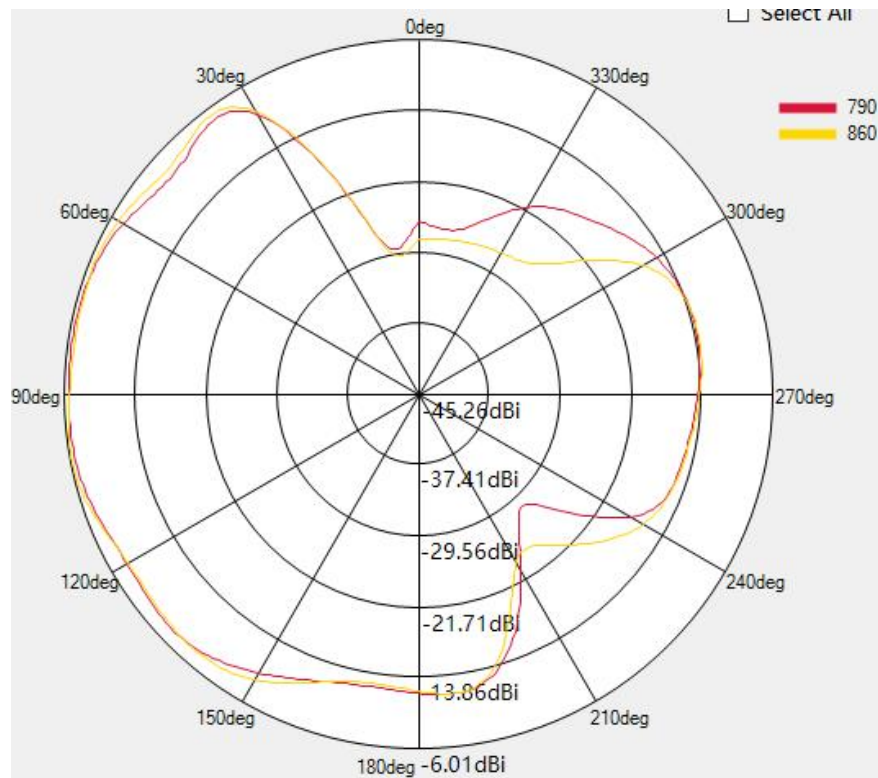
GSM 900/WCDMA B8/LTE B8 Theta=90deg

※ Antenna Gain

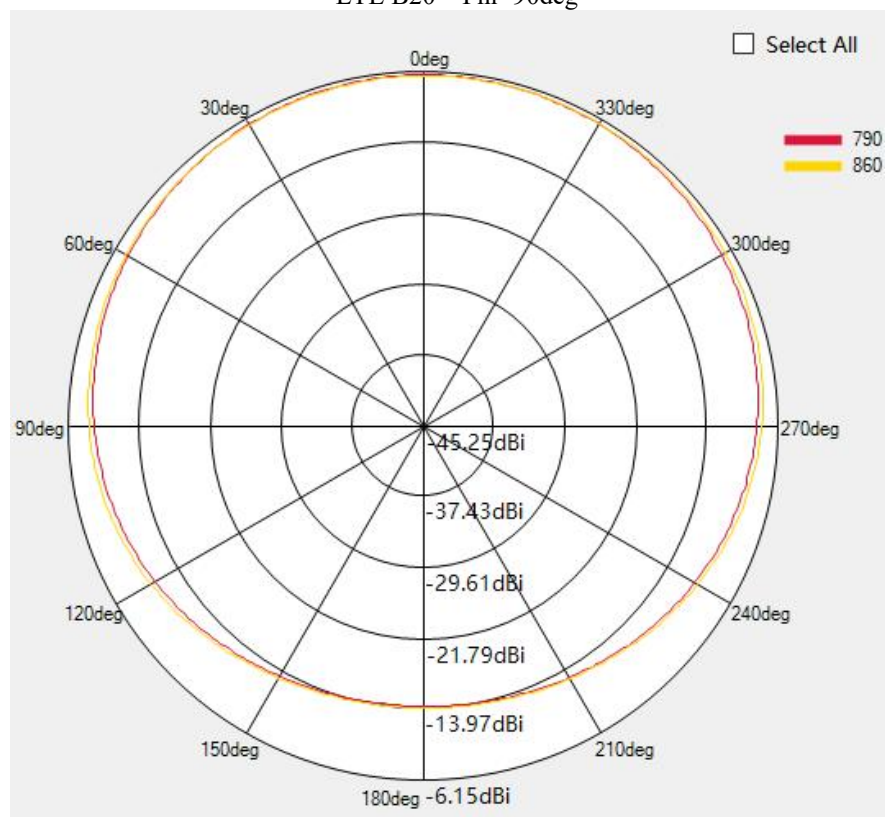
ANT2



LTE B20 Phi=0deg



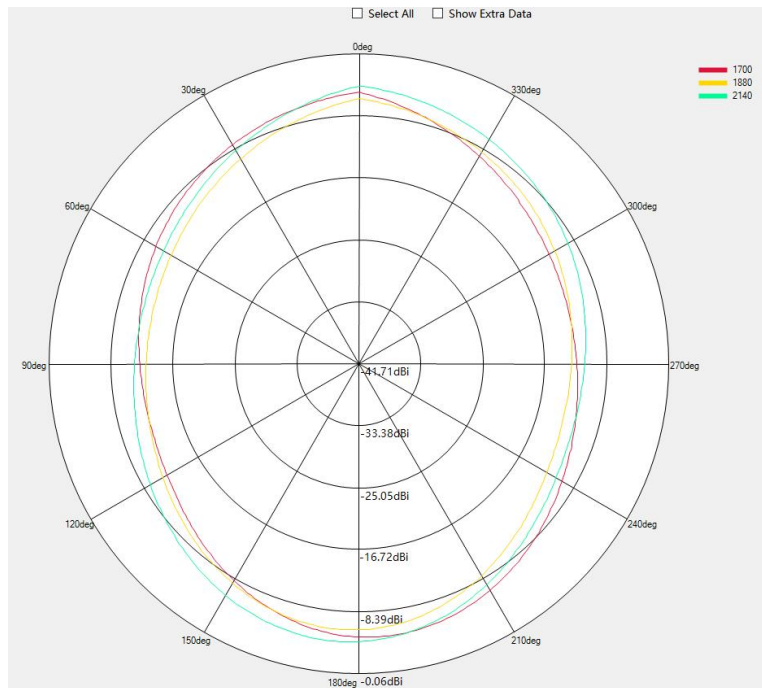
LTE B20 Phi=90deg



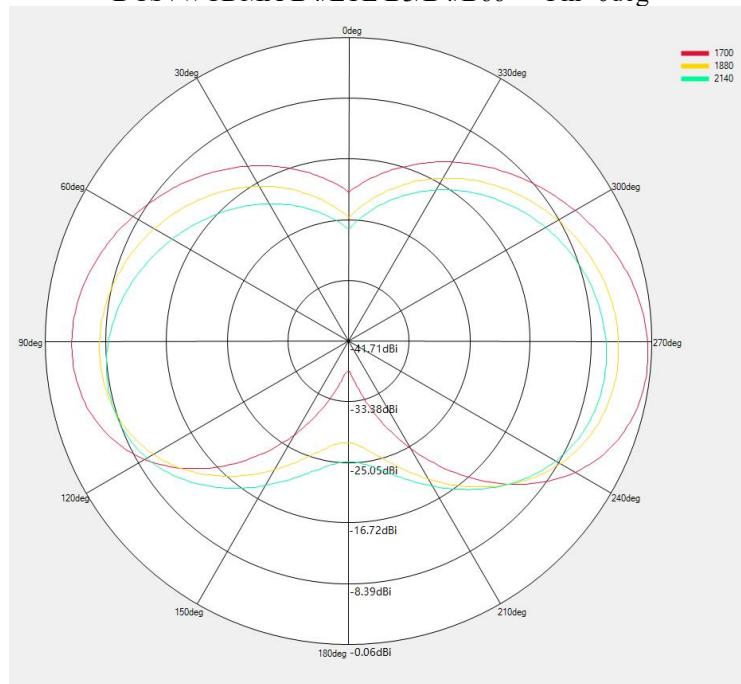
LTE B20 Theta=90deg

※ Antenna Gain

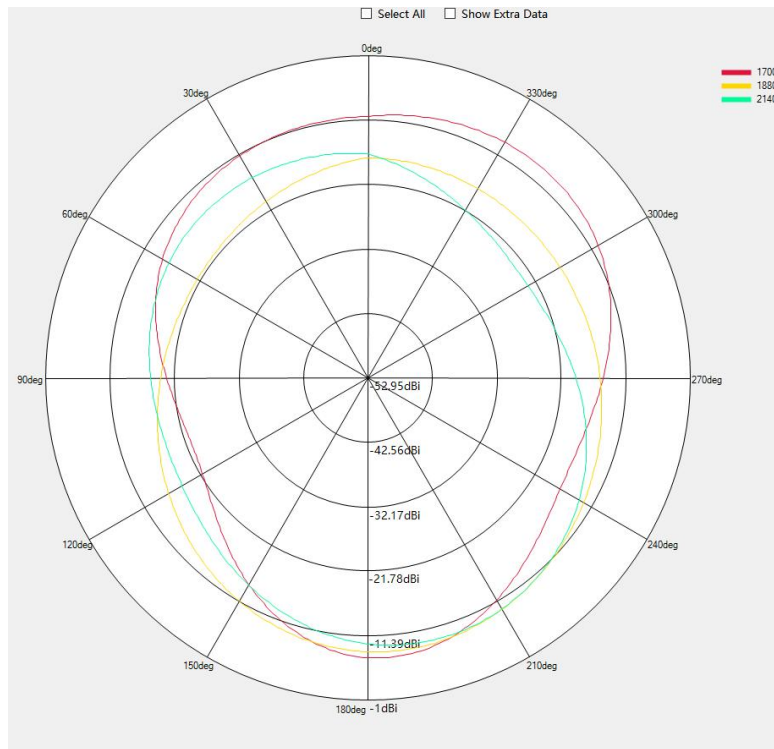
ANT4



DCS /WCDMA B4/LTE B3/B4/B66 Phi=0deg



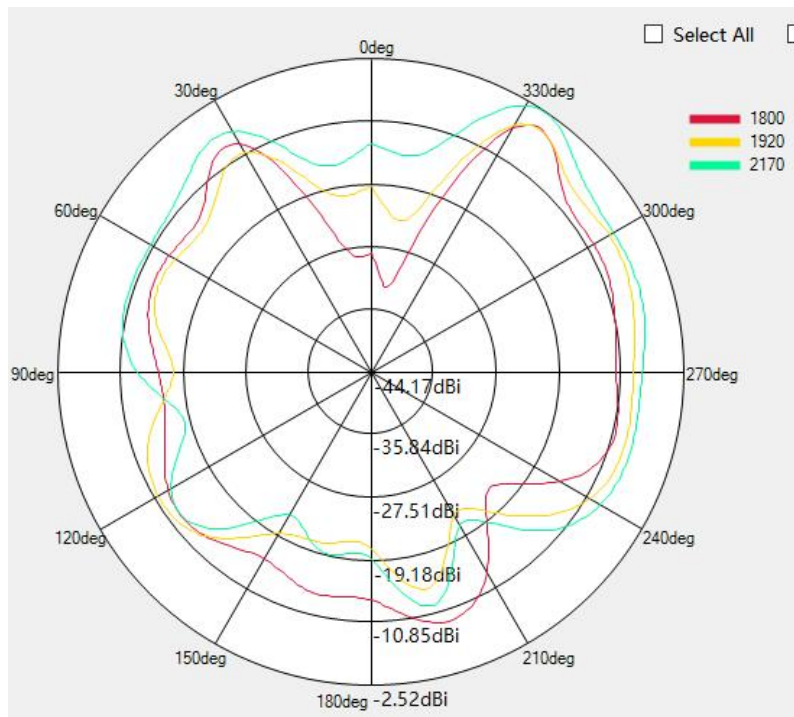
DCS /WCDMA B4/LTE B3/B4/B66 Phi=90deg



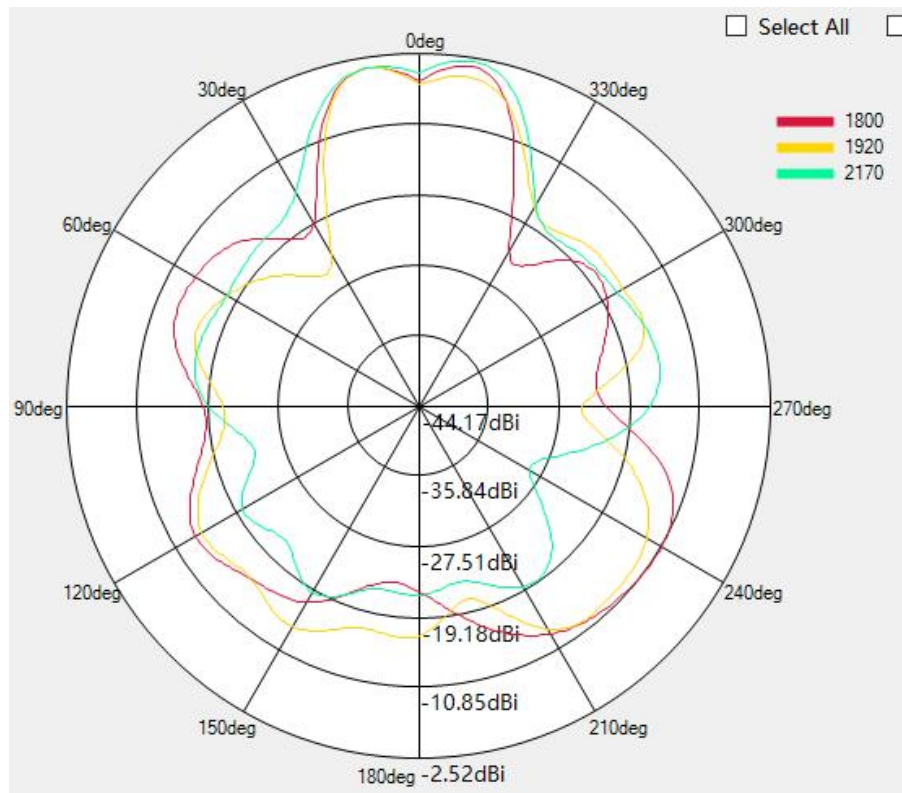
DCS /WCDMA B4/LTE B3/B4/B66 Theta=90deg

※ Antenna Gain

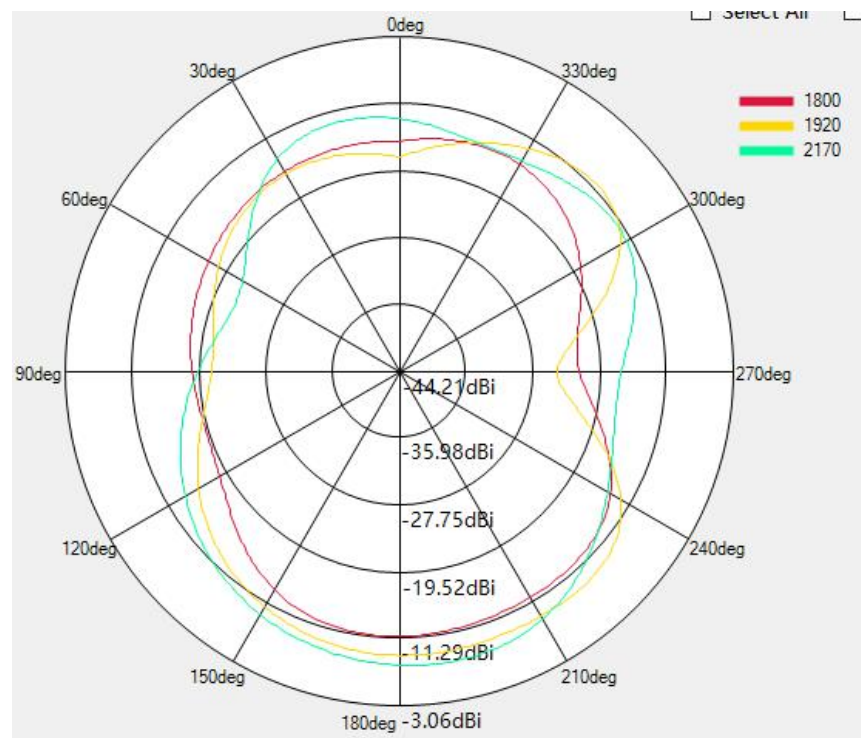
ANT4



PCS/WCDMA B1/B2/LTE B1/B2 Phi=0deg



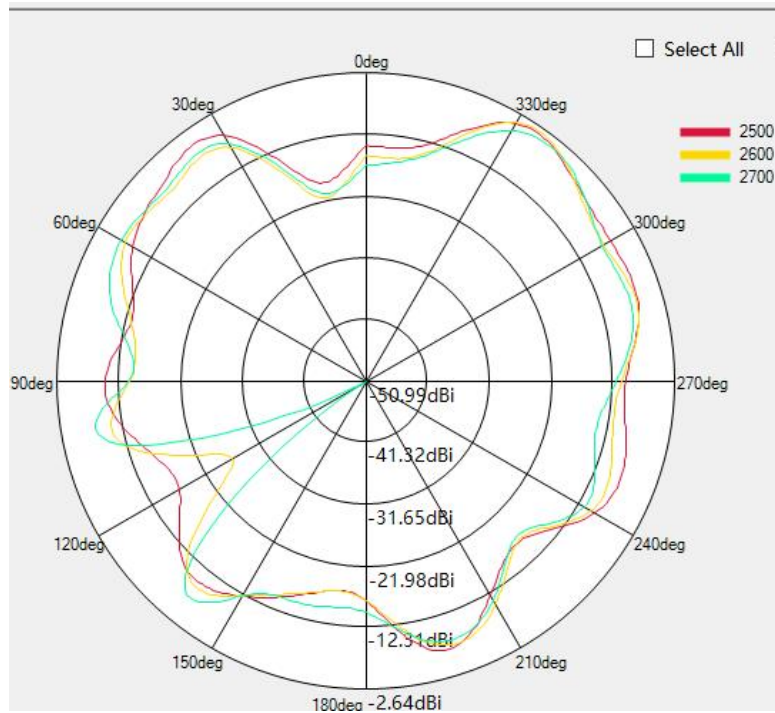
PCS/WCDMA B1/B2/LTE B1/B2 Phi=90deg



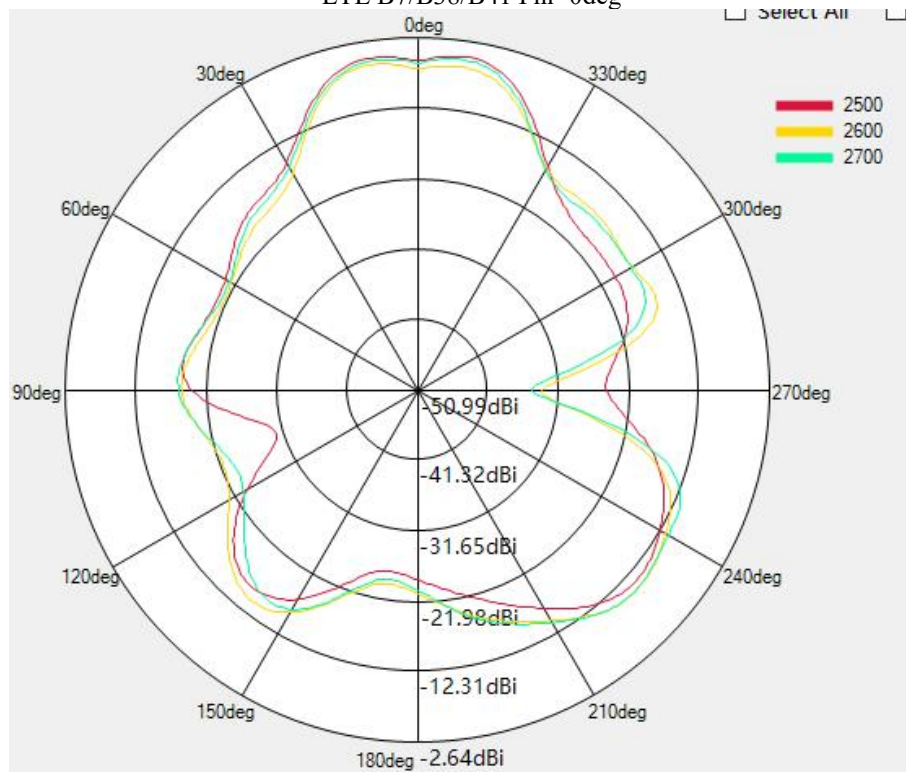
PCS/WCDMA B1/B2/LTE B1/B2 Theta=90deg

※ Antenna Gain

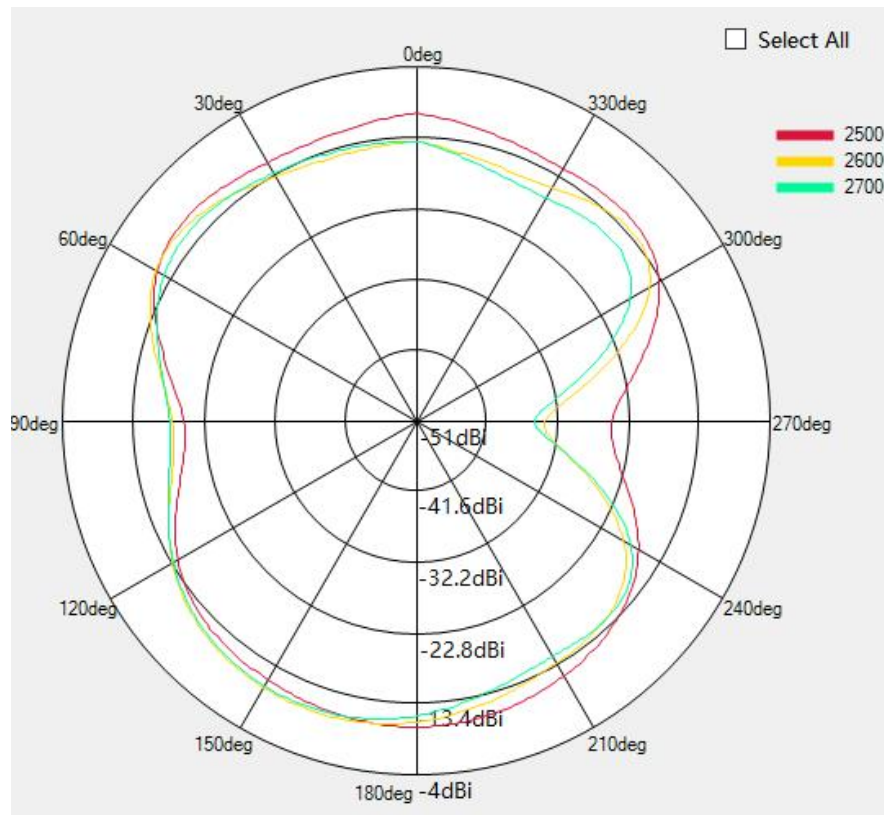
ANT4



LTE B7/B38/B41 Phi=0deg

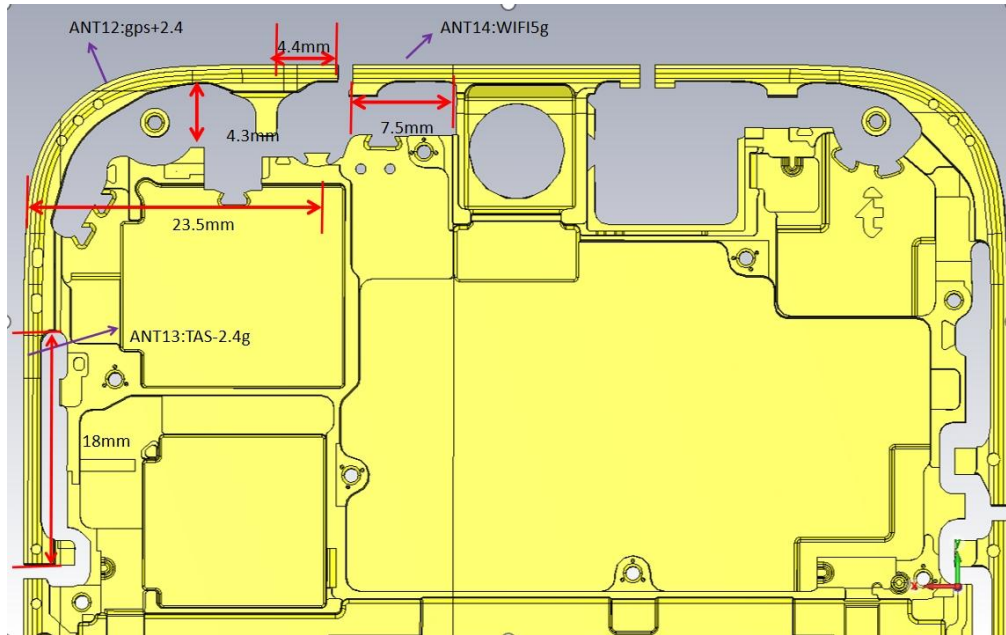


LTE B7/B38/B41 Phi=90deg

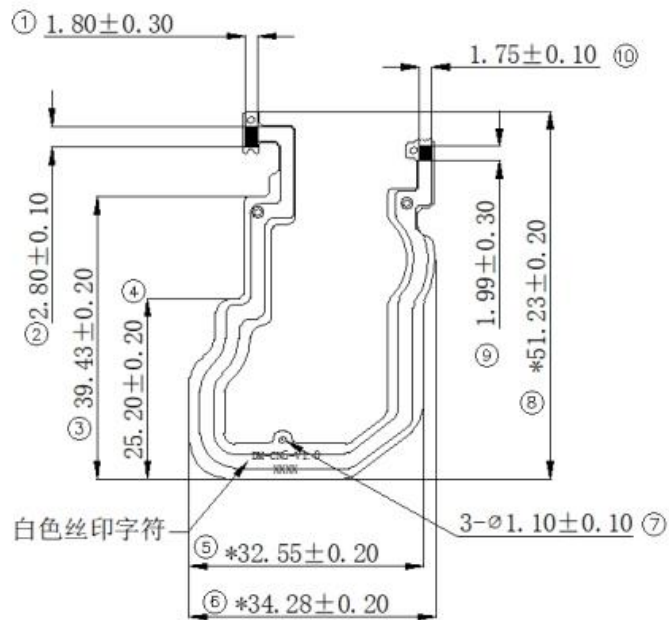


LTE B7/B38/B41 Theta=90deg

antenna construction design drawing of 2.4G antenna and 5G WIFI antenna



NFC antenna construction design drawing



Shenzhen Haidemen Electronics Co., Ltd.

6th Floor, Building D, Shunluo Industrial Park, Fengtai Road, Tangxia Town, Dongguan City,
Guangdong Province

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
			DATE:	2023/02/05