

Feature

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

Application

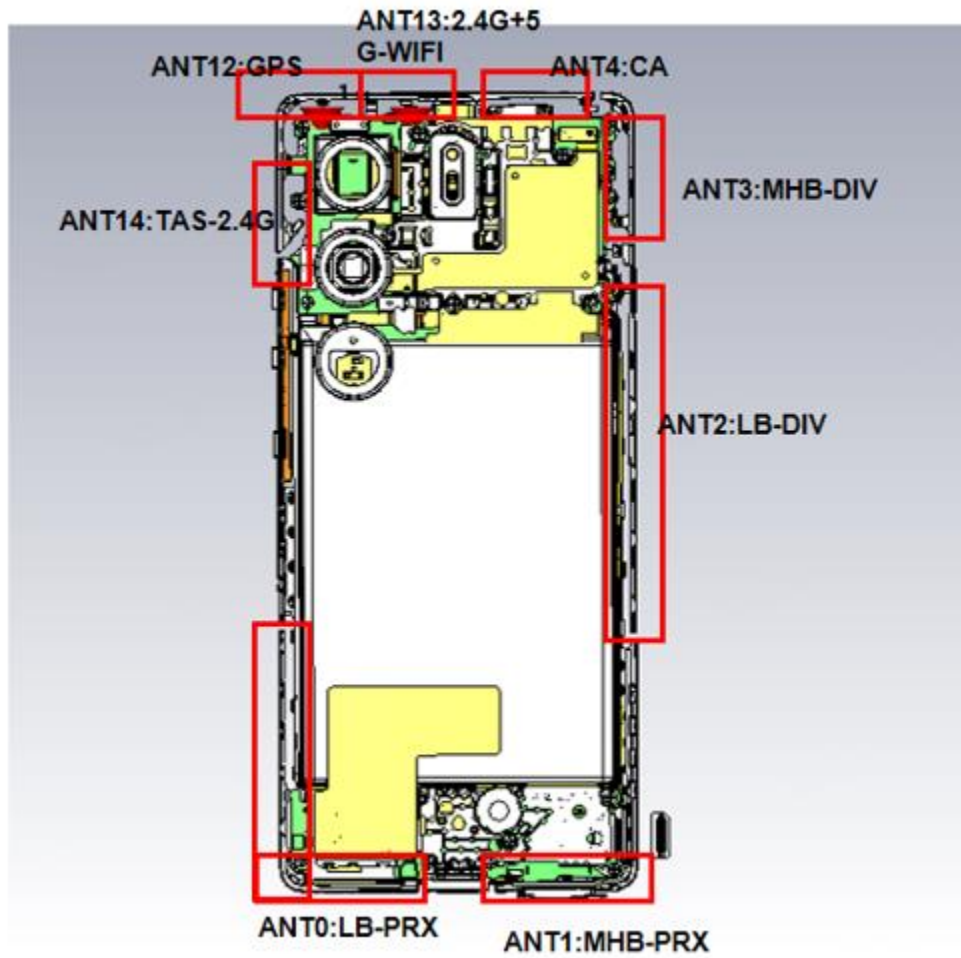
※GSM850/900/DCS/PCS/WCDMA B1/B2/B4/B5/B8

LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28/B38/B40/B41 (120M)) /B66

Name and address of the antenna manufacturer	Model number of the antenna
Dongguan Guangzheng Mold Plastic Co., Ltd No. 2 Yucheng Road, Shatounan District, Chang'an Town,Dongguan City	CM5-ANT0 CM5-ANT1 CM5-ANT2 CM5-ANT3 CM5-ANT4 CM5-ANT12 CM5-ANT13 CM5-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 B40 :2300-2400MHz

Receiver Frequency		LTE B38/B41 :2565-2645MHz
		LTE B20 :832-862MHz
		LTE B28/B12/B17 :710-755MHz
		GSM 850/WCDMA B5/LTE B5 : 869 – 894 MHz
		GSM 900/WCDMA B8/LTE B8 : 925 – 960 MHz
		DCS/LTE B3 : 1805 – 1880 MHz
		WCDMA 4/LTE B4/B66 : 2110-2155 MHz
		PCS/WCDMA B2/LTE B2:1930-1990MHz
		WCDMA B1/LTE B1 : 2110 – 2170MHz
		LTE B7 :2620-2690MHz
		LTE B40 :2300-2400MHz
		LTE B38/41 :2565-2645MHz
		LTE B20 :791-821MHz
		LTE B28 /B12/B17:758-803MHz
		GSM850/900: 32+/-2dBm
		DCS/PCS: 30+/-2dBm
		LTE B1/B2/B3/ B4/B5/B7/B8/B12/B17/B20/B28/B38/B40/B41/B66: 23+/- 2dBm
		WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm
RF-Output Power (E.I.R.P)	ANT0	GSM 850/WCDMA B5/LTE B5 : -6.89 dBi
		GSM 900/WCDMA B8/LTE B8 : -6.14 dBi
		LTE B20: -6.89 dBi
		LTE B12/B17/B28 : -7.95 dBi
	ANT3	DCS /WCDMA B4/LTE B3/B4: -2.7 dBi
		PCS/WCDMA B2/LTE B2: -2.8 dBi
		WCDMA B1/LTE B1/B66 : -2.8 dBi
		LTE B7/B38/B41 : -0.88 dBi
		LTE B40 : -1.34 dBi
	ANT12	GPS(L1): -1.41 dBi
Antenna Gain	ANT14	WIFI 2.4G&BT: -4. 12 dBi
	ANT13	WIFI 2.4G: -3. 37 dBi 5G: -3.19 dBi
RF	Antenna type	FIPA Antenna
NFC	Antenna type	FPC Antenna

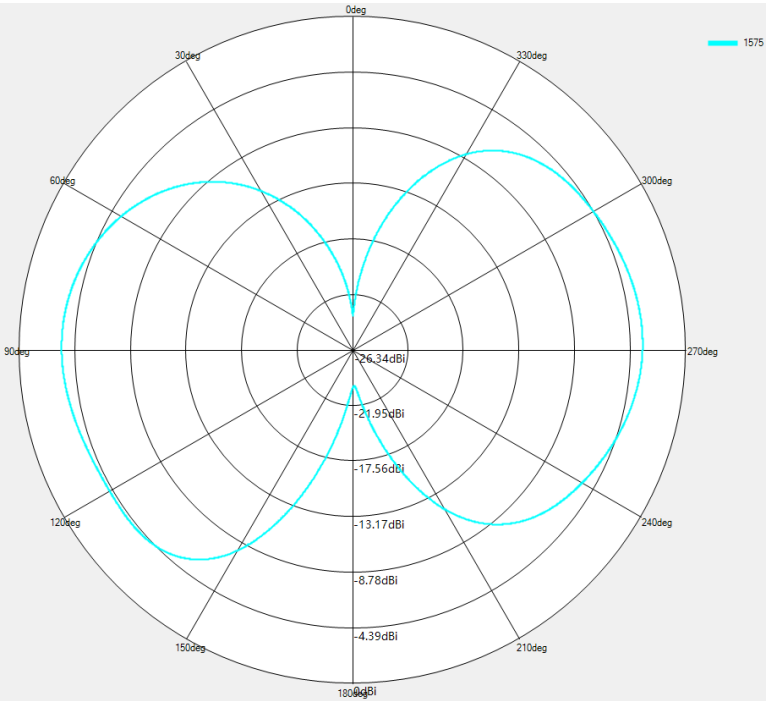


天线接口	工具接口	R1配置	P1配置	G1配置	B1配置	L1/L2配置	L1/L3配置	R1/R2配置	L1/L2配置
ANT0	Carokit0	20:80 30:80 40:80/820/828A	20:80 30:80 40:80/820/828A	20:80/80 30:80/80 40:80/80	20:80/80 30:80/80 40:80/80	20:80/80 30:80/80 40:80/80/820 (FULL)	20:80/80 30:80/80 40:80/80/828 (FULL)	20:80/80 30:80/80 40:80/80/812/817/820/828 A/828B	20:80/80 30:80/80 40:80/80/812/817/820 /828A/828B
ANT1	Carokit1	20:83 30:81 40:81/83/87/840/838/841 (120K)	20:83 30:81 40:81/83/87/840/838/841 (120K)	20:82/83 30:81 40:81/83/838/840/841	20:82/83 30:81 40:81/83/838/840/841 (120K)	20:82/83 30:81 40:81/83/838/840/841 (120K)	20:82/83 30:81 40:81/83/838/840/841 (120K)	20:82/83 30:81/82/84 40:81/82/83/84/87/838/841 (120K)/840/866	20:82/83 30:81/82/84 40:81/82/83/84/87/838/841 (120K)/840/866
ANT2	Carokit2	20:80 30:80 40:80/820/828A	20:80 30:80 40:80/820/828A	20:80/80 30:80/80 40:80/80	20:80/80 30:80/80 40:80/80	20:80/80 30:80/80 40:80/80/828 (FULL)	20:80/80 30:80/80 40:80/80/828 (FULL)	20:80/80 30:80/80 40:80/80/812/817/820/828 A/828B	20:80/80 30:80/80 40:80/80/812/817/820 /828A/828B
ANT3	Carokit3	20:83 30:81 40:81/83/87/840/838/841 (120K)	20:83 30:81 40:81/83/87/840/838/841 (120K)	20:82/83 30:81 40:81/83/838/840/841	20:82/83 30:81 40:81/83/838/840/841 (120K)	20:82/83 30:81 40:81/83/838/840/841 (120K)	20:82/83 30:81 40:81/83/838/840/841 (120K)	20:82/83 30:81/82/84 40:81/82/83/84/87/838/841 (120K)/840/866	20:82/83 30:81/82/84 40:81/82/83/84/87/838/841 (120K)/840/866
ANT4	Carokit4	40:81/82/83/87/840	40:81/82/83/87/840	40:81/82/83/87/840	40:81/82/83/87/840	40:81/82/83/87/840	40:81/82/83/87/840	40:81/82/83/87/840	40:81/82/83/87/840
ANT12		DPS L1							
ANT13		TIF12, 40+90							
ANT14		TIF12, 40+TAS							

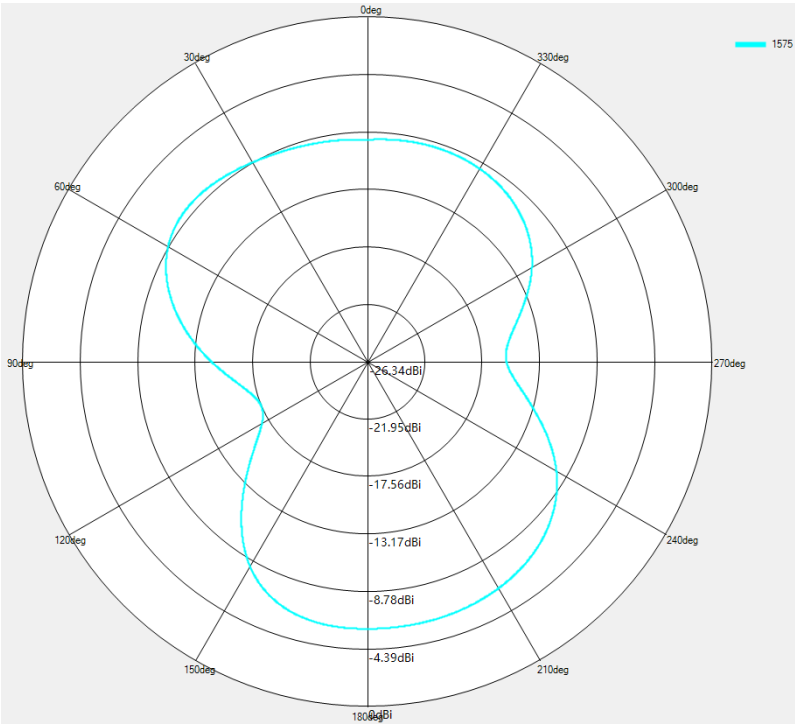
※ Antenna Gain

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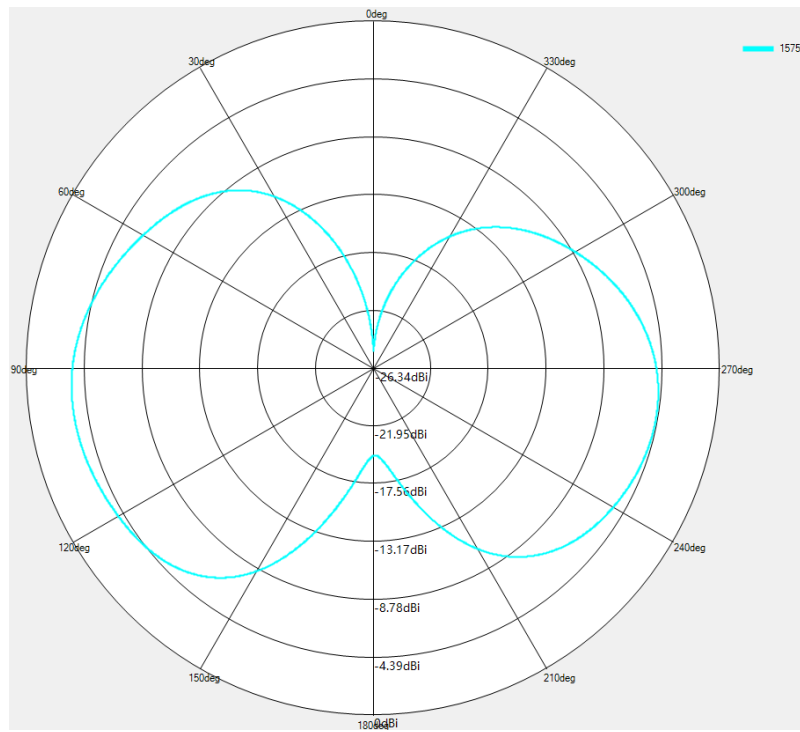
ANT12



GPS Theta=0deg

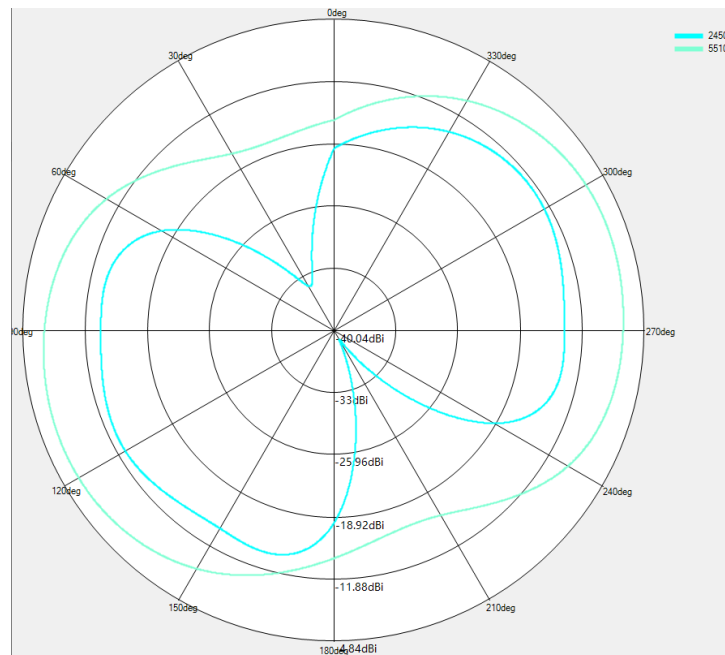


GPS Theta=90deg

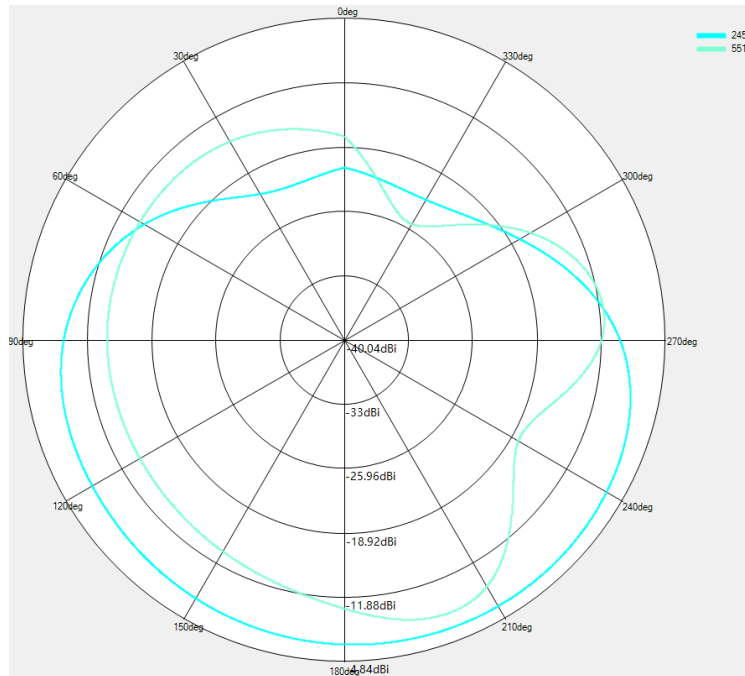


※ Antenna Gain

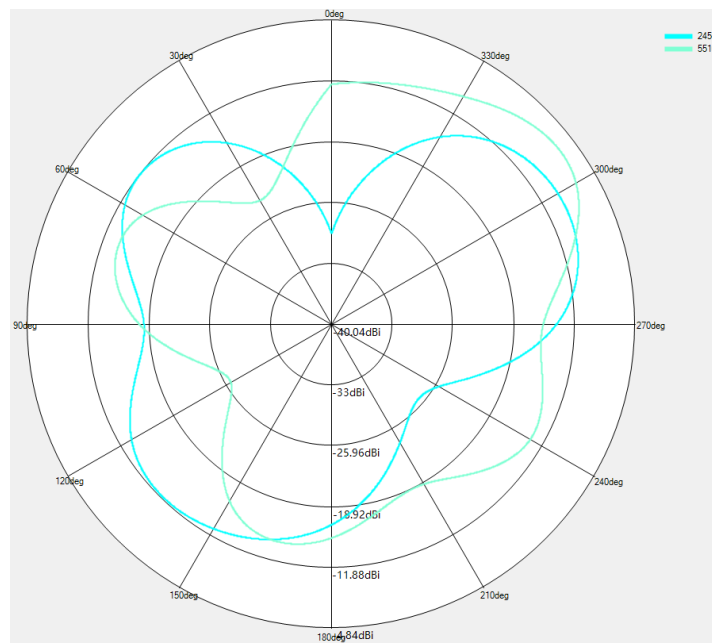
ANT14



2.4GWIFI&BT Theta=0deg



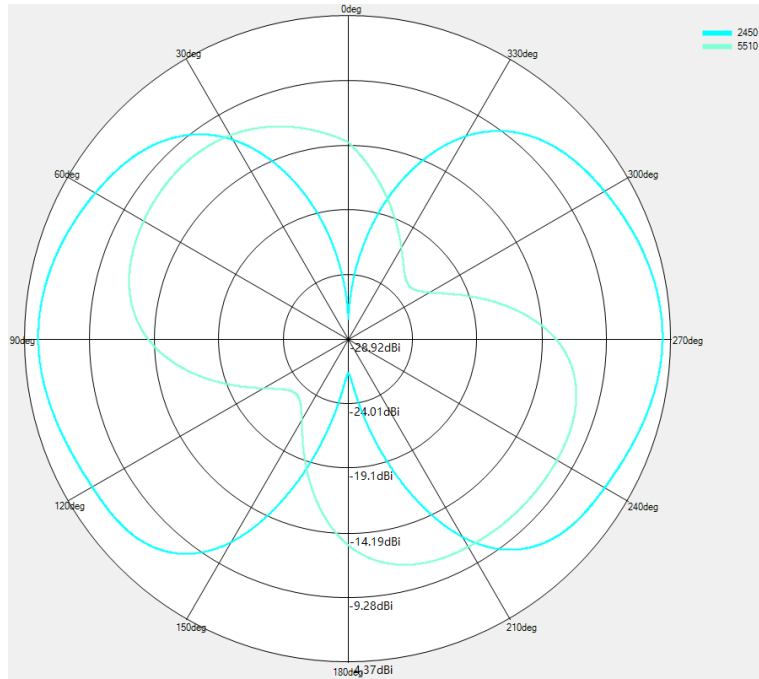
2.4G WIFI&BT Theta=90deg



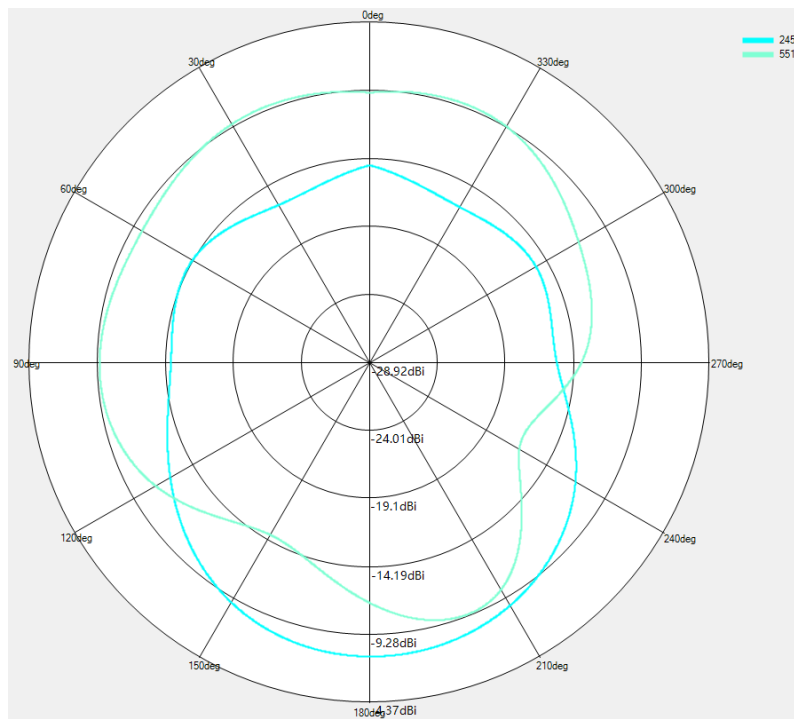
2.4G WIFI&BT Phi=90deg

※ Antenna Gain

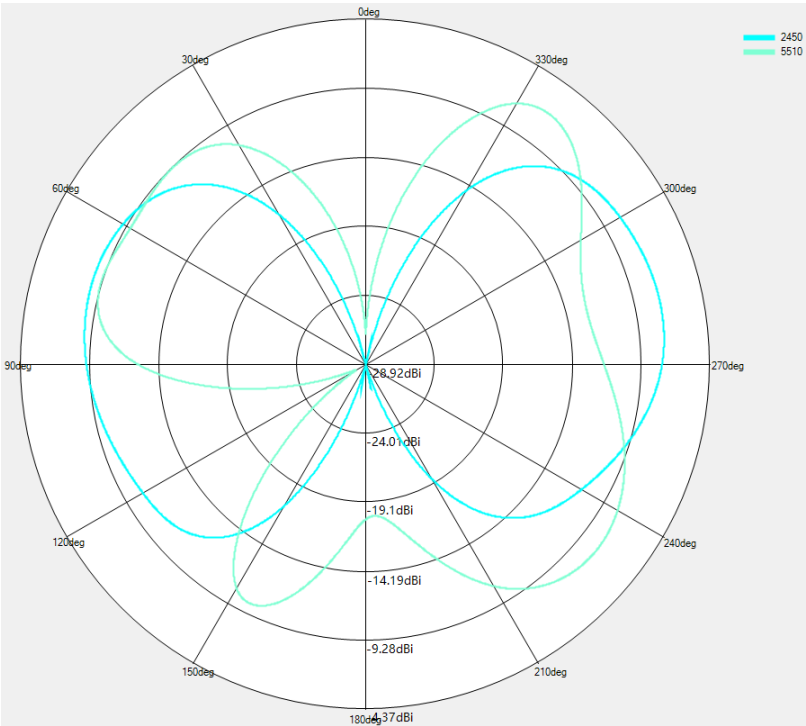
ANT13



2.4G/5G WIFI&BT Theta=0deg



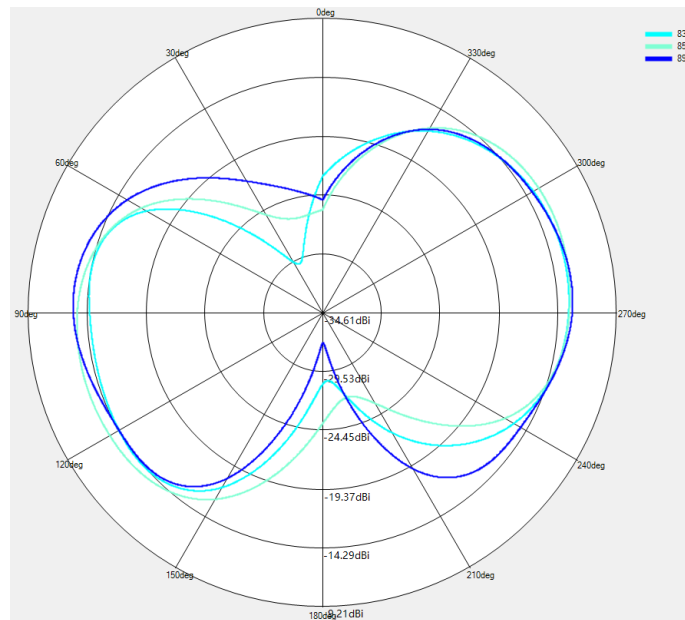
2.4G/5G WIFI&BT Theta=90deg



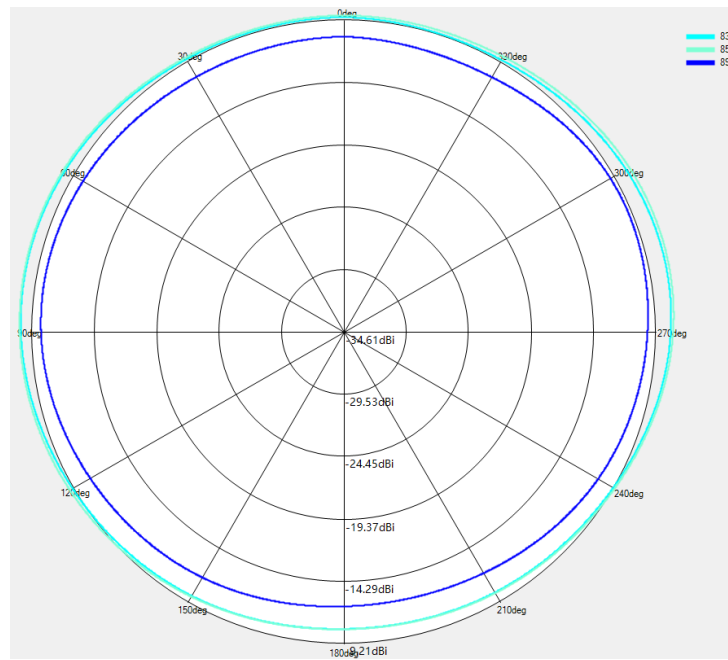
2.4G/5G WIFI&BT $\Phi = 90^\circ$

※ Antenna Gain

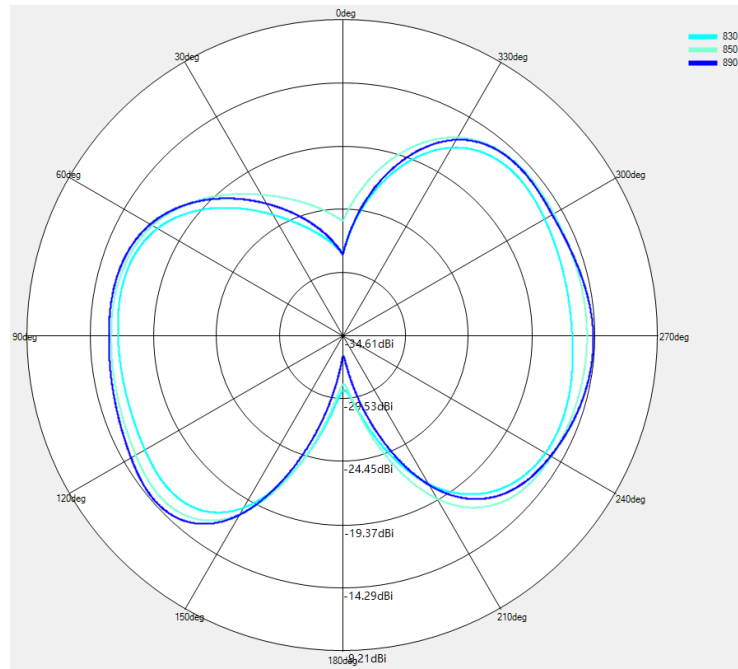
ANT0



GSM850/ WCDMA B5/LTE B5/B20 Theta=0deg



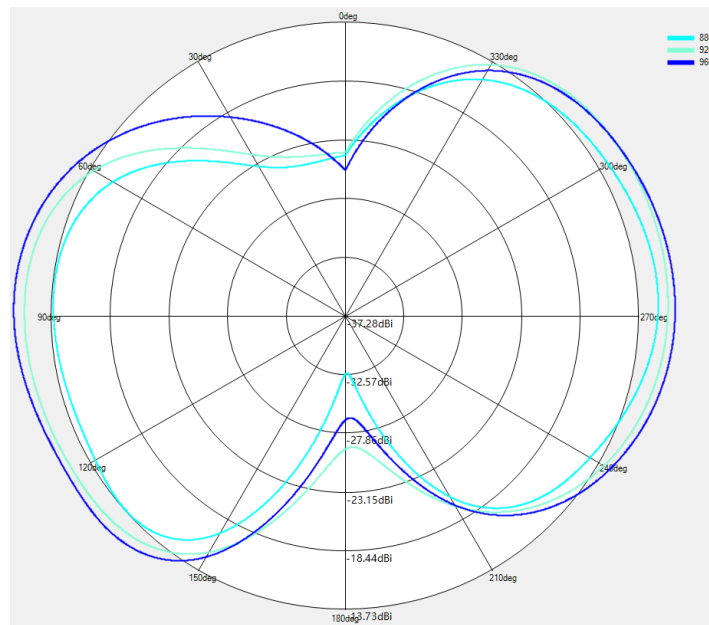
GSM850/ WCDMA B5/LTE B5/B20 Theta=90deg



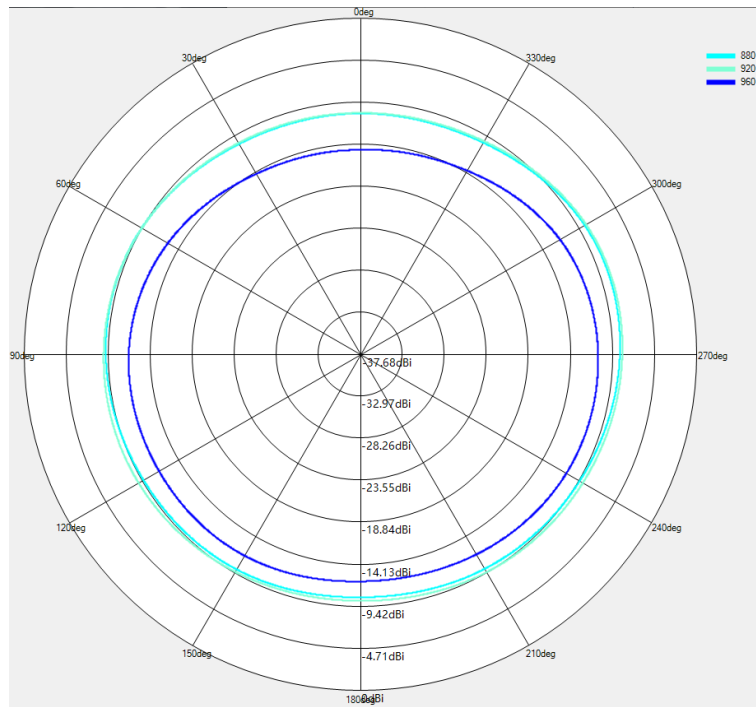
GSM850/ WCDMA B5/LTE B5/B20 Phi=90deg

※ Antenna Gain

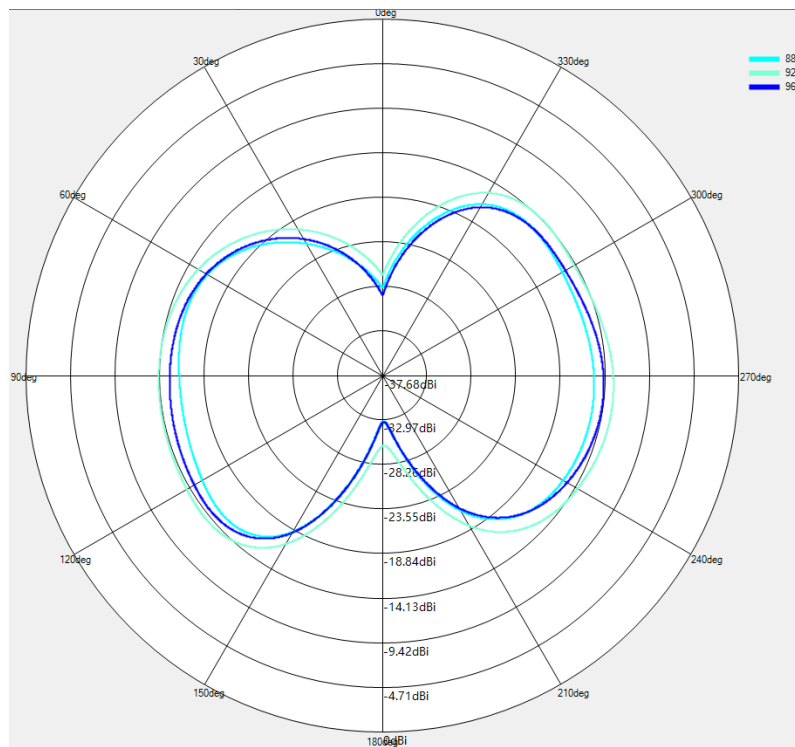
ANT0



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



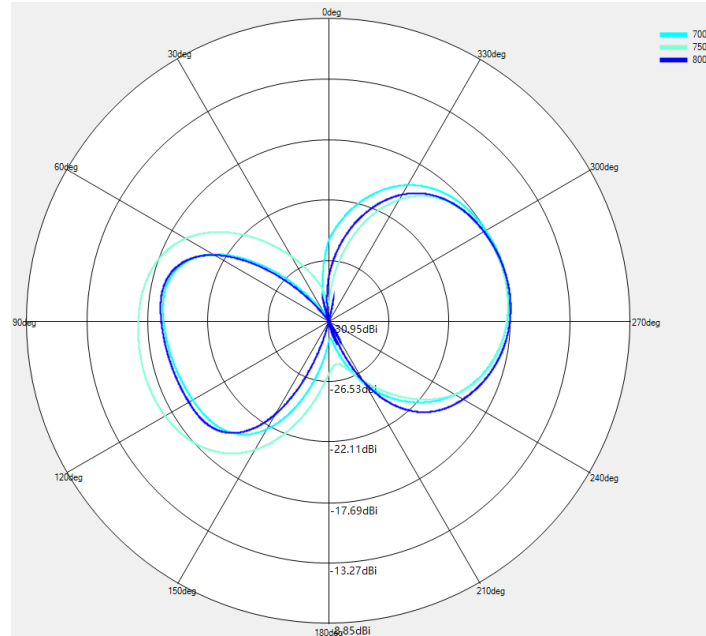
GSM 900/WCDMA B8/LTE B8 Theta=90deg



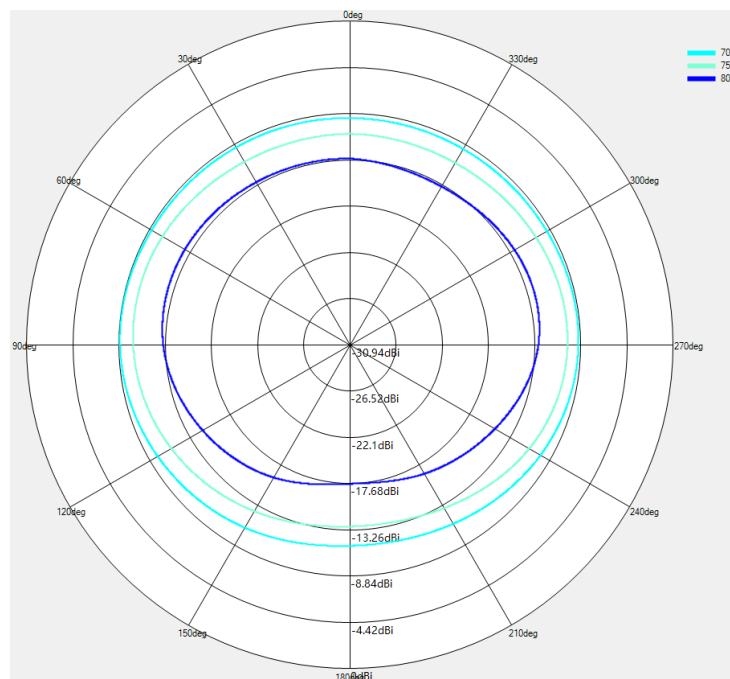
GSM 900/WCDMA B8/LTE B8 Phi=90deg

※ Antenna Gain

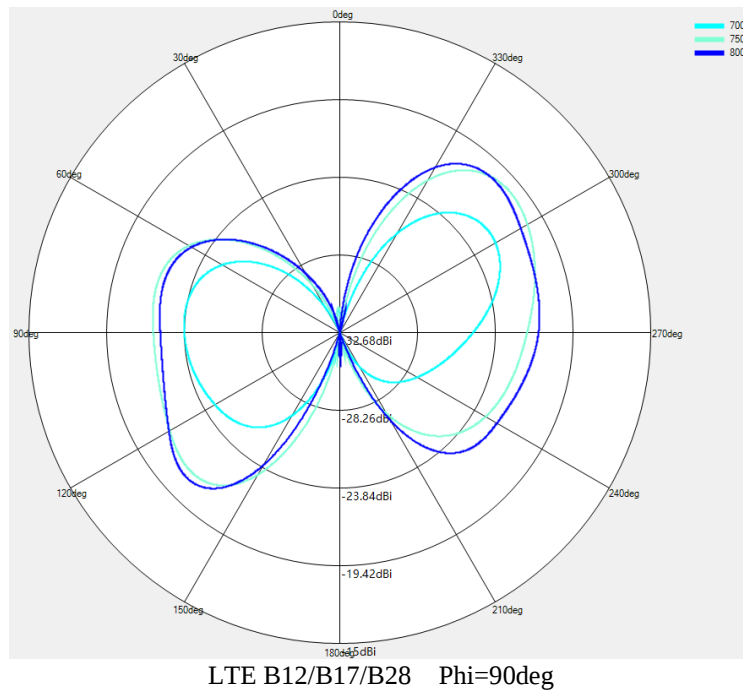
ANT0



LTE B12/B17/B28 Theta=0deg

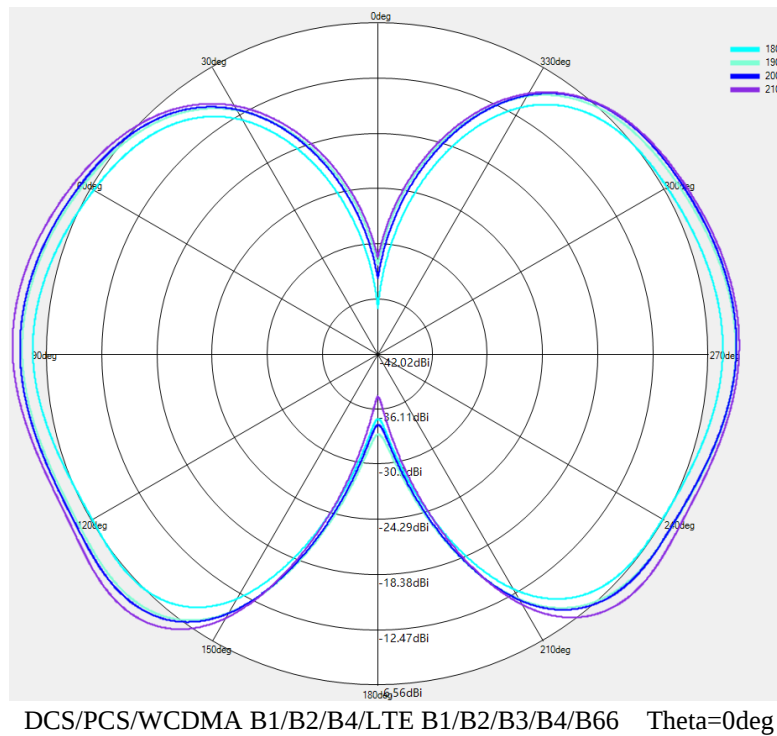


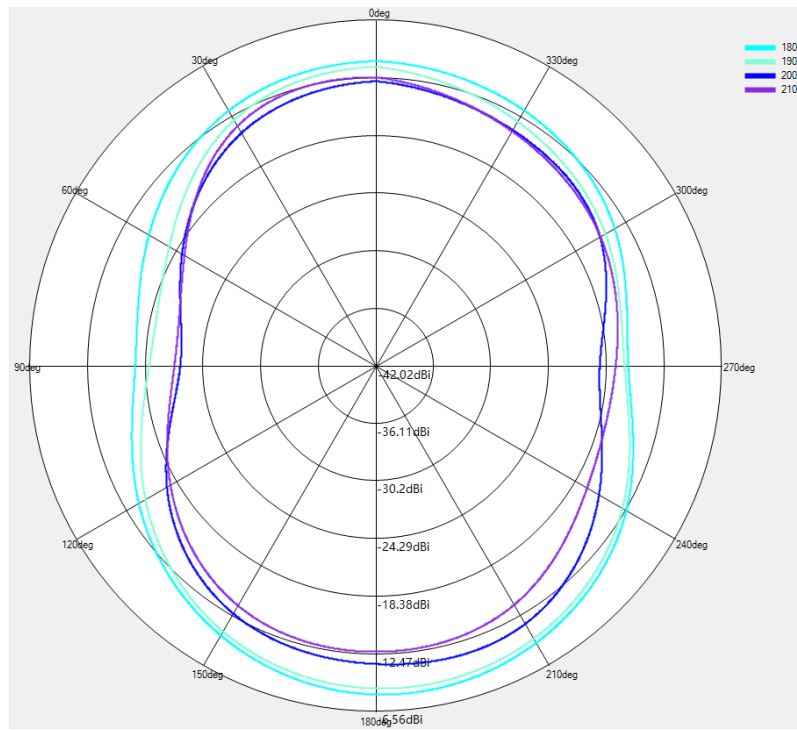
LTE B12/B17/B28 Theta=90deg



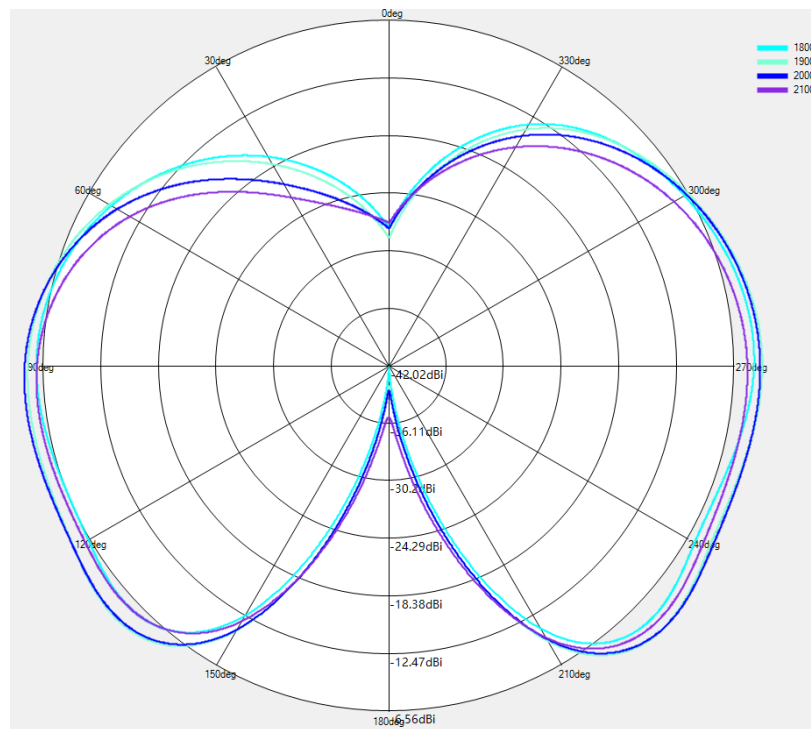
※ Antenna Gain

ANT3





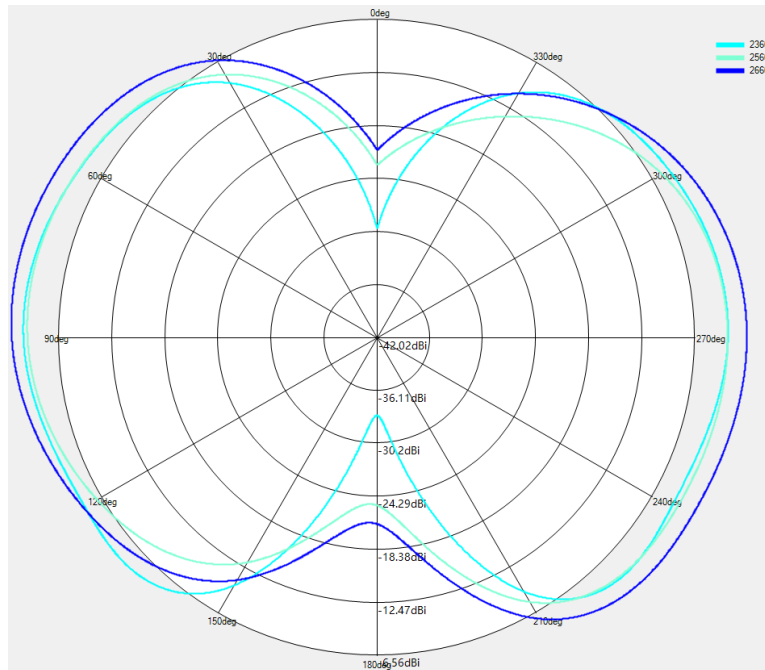
DCS/PCS/WCDMA B1/B2/B4/LTE B1/B2/B3/B4/B66 Theta=90deg



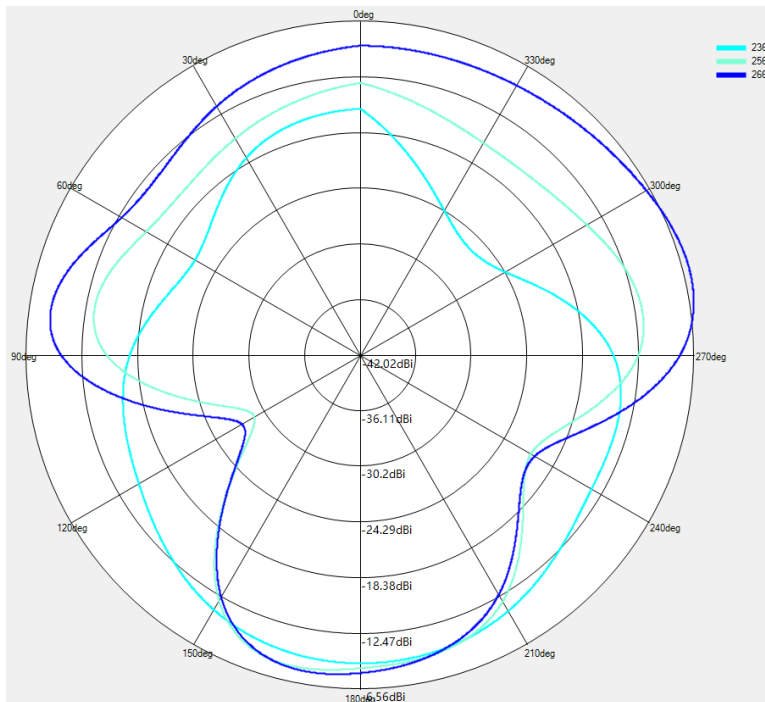
DCS/PCS/WCDMA B1/B2/B4/LTE B1/B2/B3/B4/B66 Phi=90deg

※ Antenna Gain

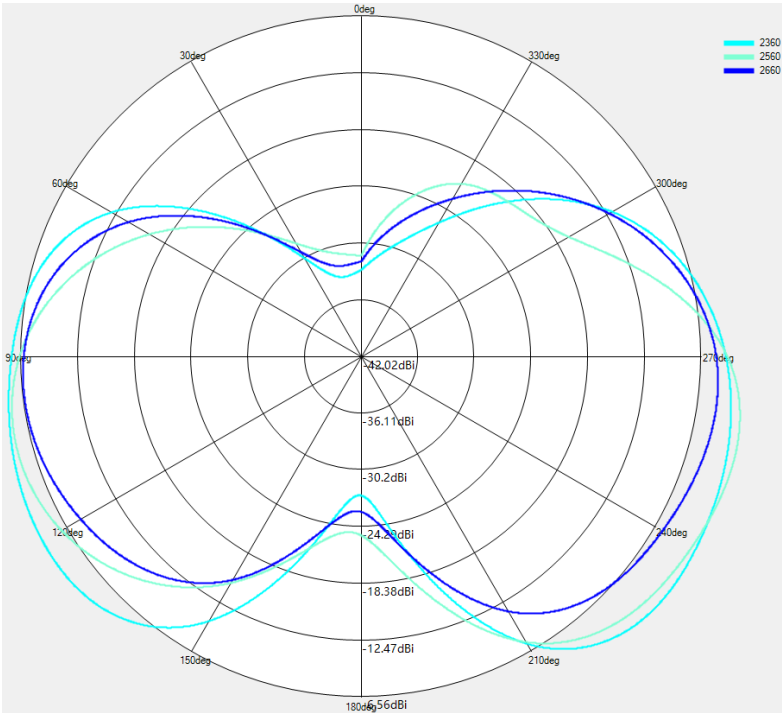
ANT3



LTE B7/B38/B40/B41 Theta=0deg



LTE B7/B38/B40/B41 Theta=90deg



LTE B7/B38/B40/B41 $\Phi=90^\circ$

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
	Peitian.zhang		DATE:	2024/09/26