

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/B20/B17/B26/B28A/B28B/B38/B40/B41/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	S686LN-ANT0 S686LN-ANT1 S686LN-ANT2 S686LN-ANT12 S686LN-ANT13 S686LN-ANT14

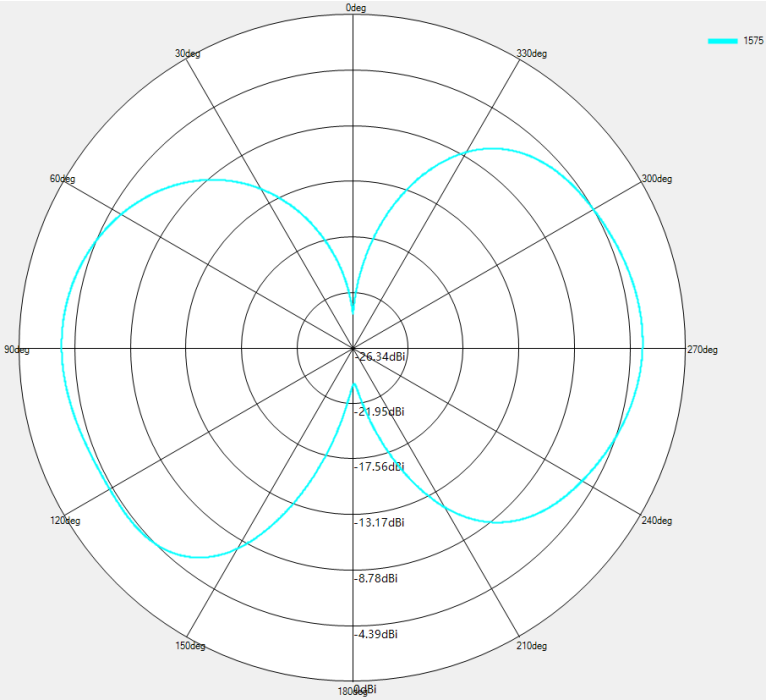
TYPE	
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5/B26 : 824 – 849 MHz

Receiver Frequency		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
		LTE B38/B41 :2565-2645MHz
		LTE B20 :832-862MHz
		LTE B12/B17/B28 :710-755MHz
		GSM 850/WCDMA B5/LTE B5/B26 : 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 B12/B17/B28 :758-803MHz
		GSM850/900: 32+/-2dBm
		DCS/PCS: 30+/-2dBm
		LTE B1/B2/B3/B4/B5/B7/B8/B12/B20/B17/B26/B28A/ B28B/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/B20/B26 : -6.89 dBi
		GSM 900/WCDMA B8/LTE B8 : -6.14 dBi
		DCS /WCDMA B4/LTE B3/B4/B66: -2.7 dBi
		WCDMA B1/LTE B1 : -2.8 dBi
		PCS/WCDMA B2/LTE B2: -2.8 dBi
		LTE B7/B38/B41 : -0.88 dBi
		LTE B40 : -1.34 dBi
		LTE B12/B17/B28 : -7.95 dBi
	ANT12	GPS(L1): -1.41 dBi
	ANT13	WIFI 5G: -4. 19 dBi
Antenna Gain	ANT14	WIFI 2.4G/BT: -3. 37 dBi
	ANT1	GSM 850/WCDMA B5/LTE B5/B26 : -5.89 dBi

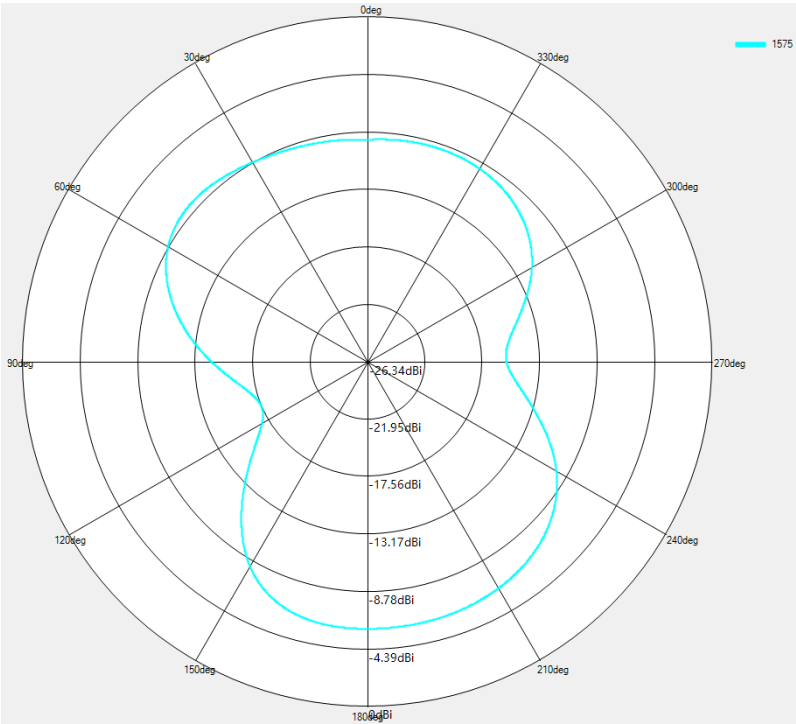
		GSM 900/WCDMA B8/LTE B8 : -5.74dBi
		LTE B20: -5.89 dBi
		LTE B12/B17/B28 : -6.55 dBi
	ANT2	DCS /WCDMA B4/LTE B3/B4/B66: -8.2 dBi
		PCS/WCDMA B2/LTE B2: -8.3 dBi
		WCDMA B1/LTE B1 : -8.3 dBi
		LTE B7/B38/B41 : -8.18 dBi
		LTE B40 : -8.04 dBi
Type of Modulation		

※ Antenna Gain

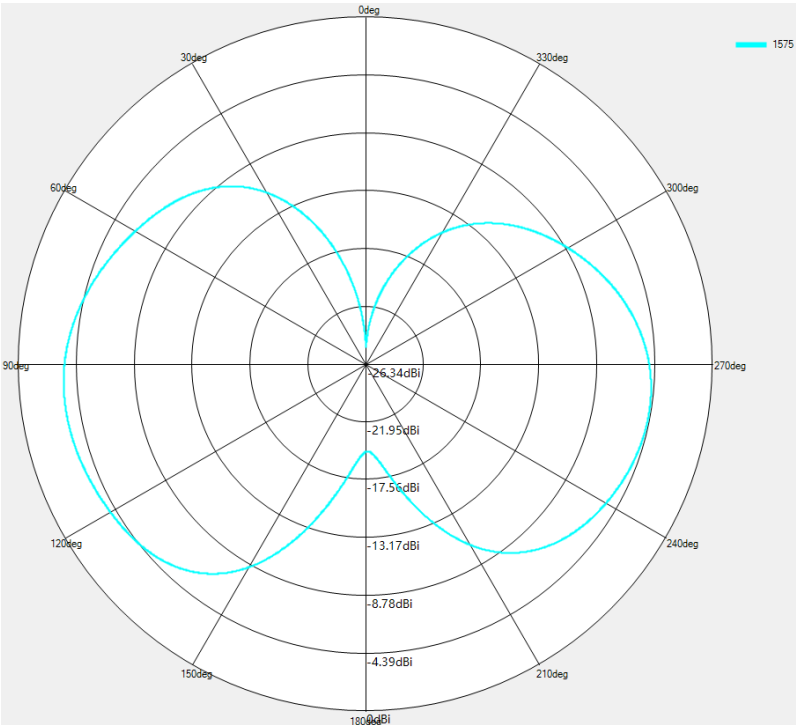
ANT12



GPS Theta=0deg



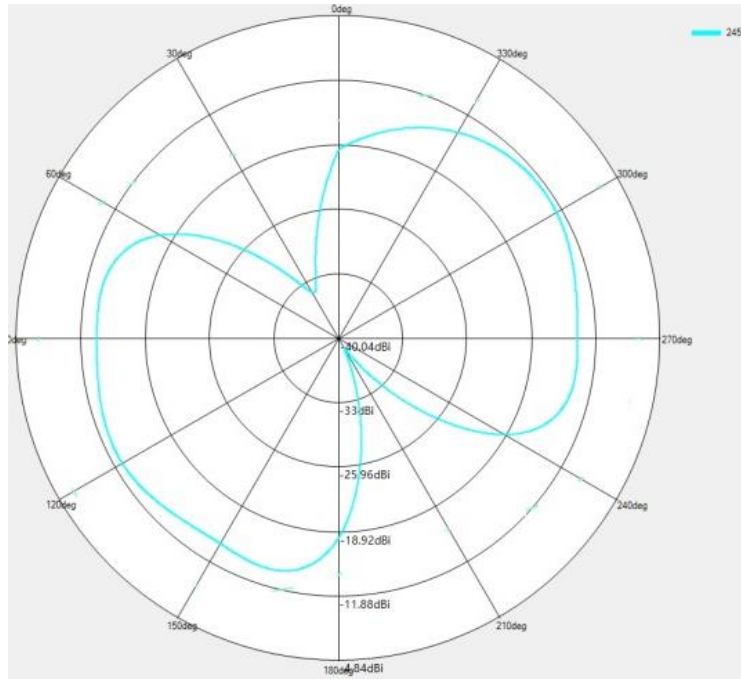
GPS $\Theta = 90^\circ$



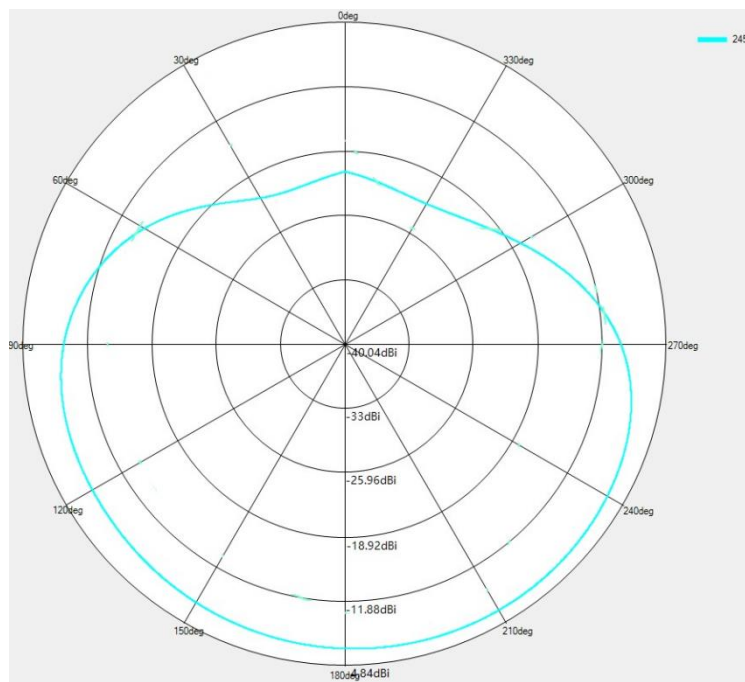
GPS $\Phi = 90^\circ$

※ Antenna Gain

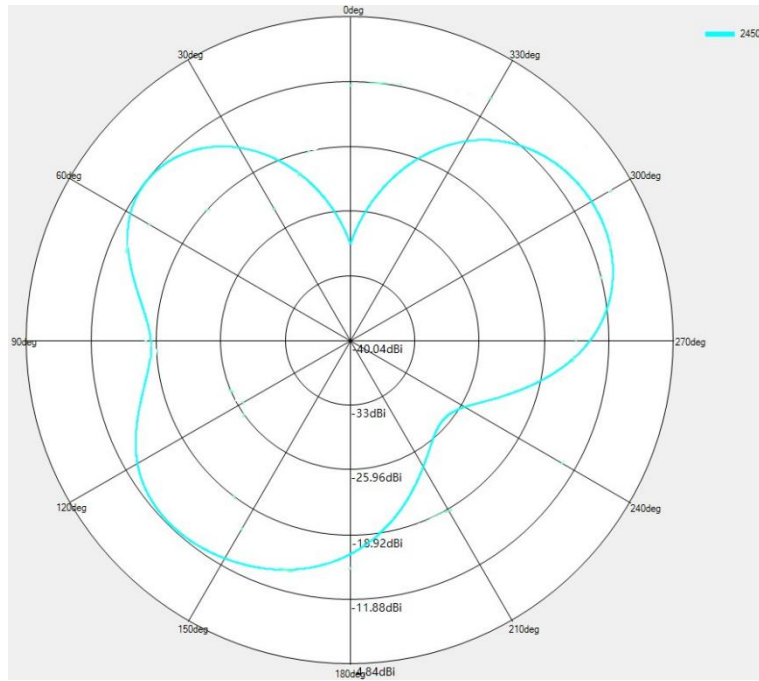
ANT14



2.4G WIFI&BT Theta=0deg

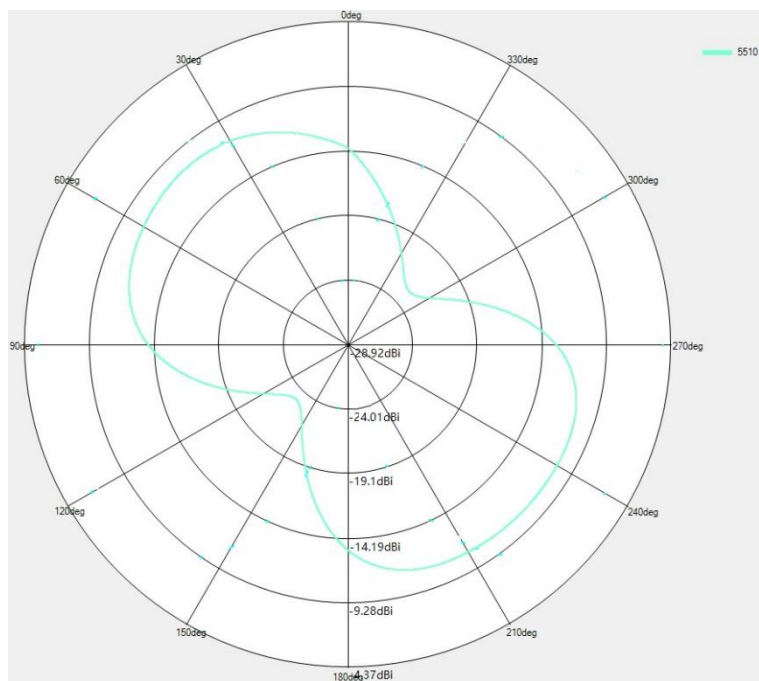


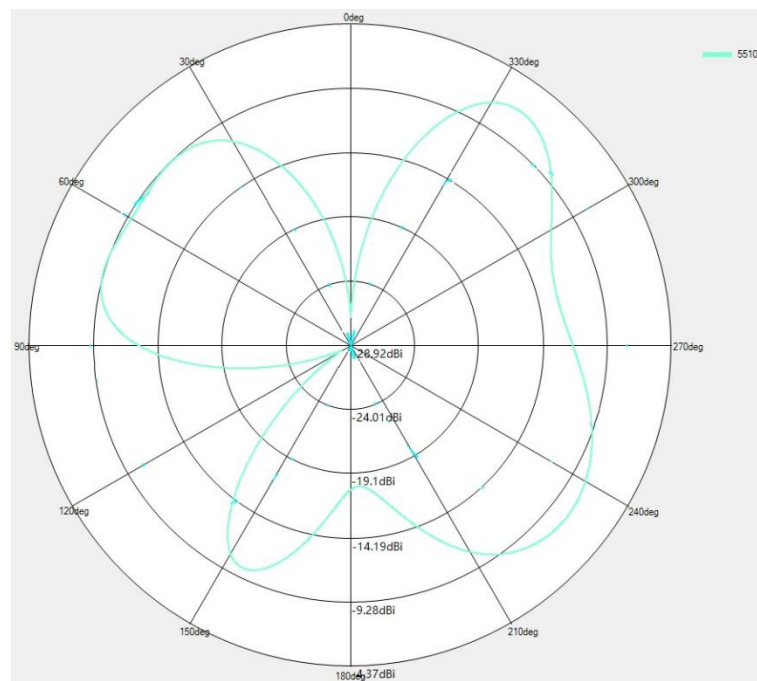
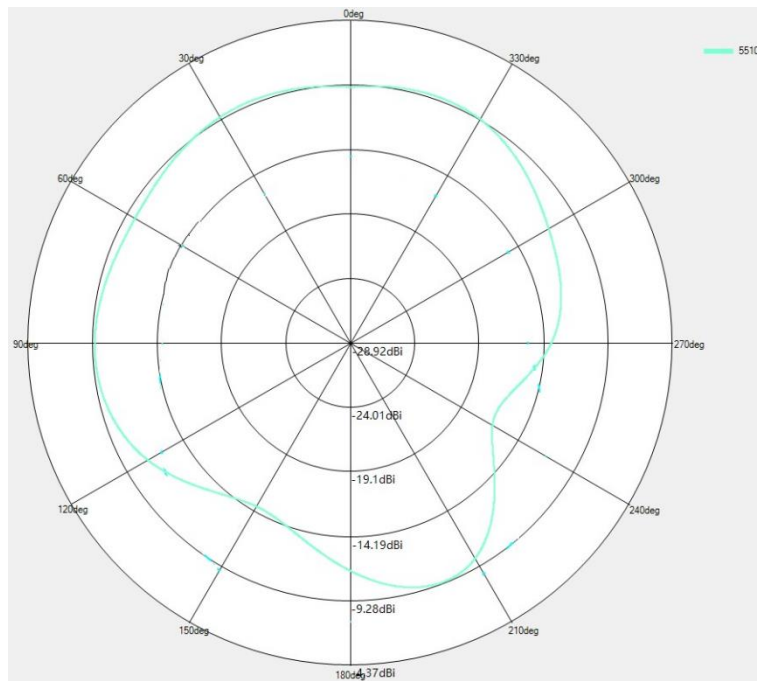
2.4G WIFI&BT Theta=90deg



※ Antenna Gain

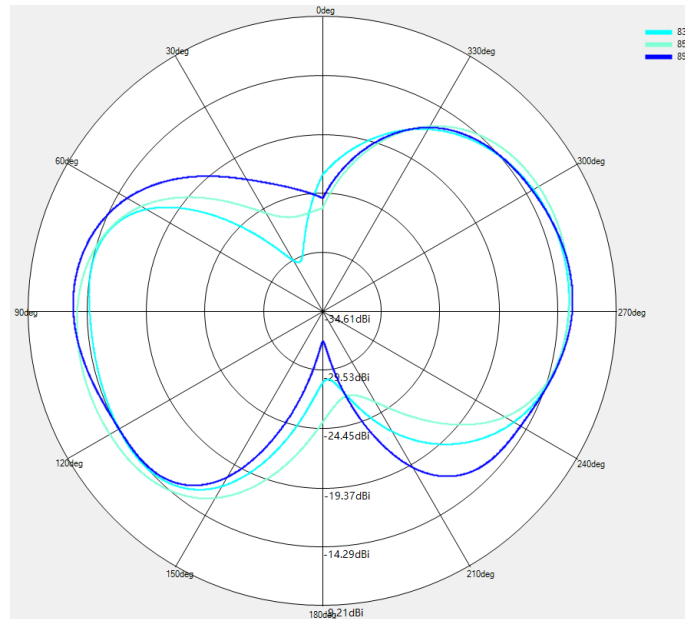
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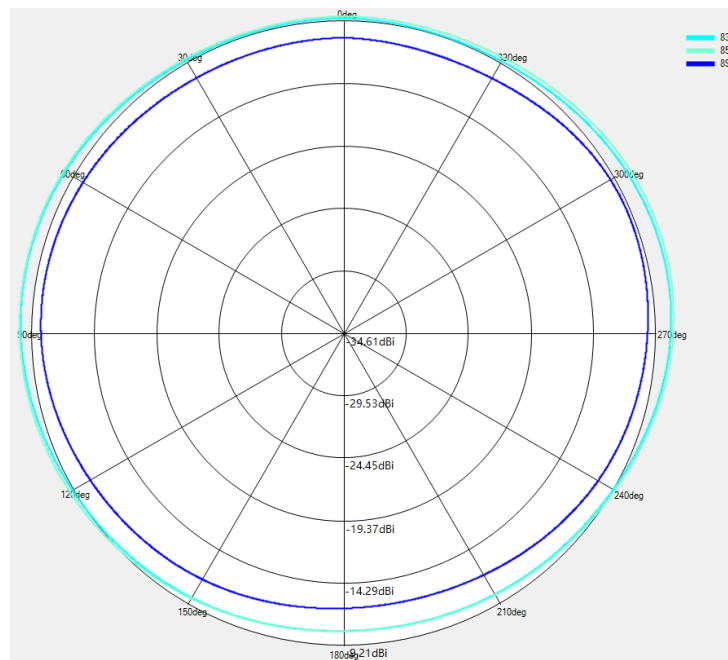


※ Antenna Gain

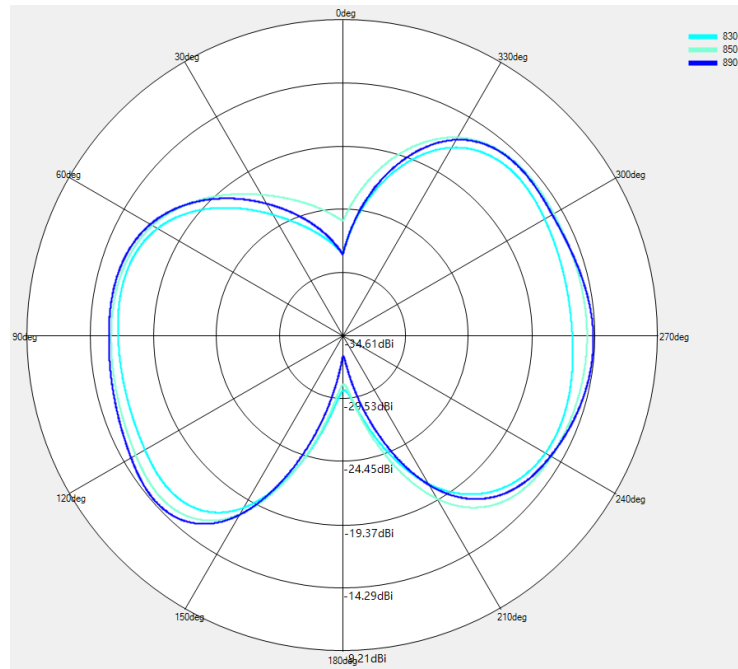
ANT0



GSM850/ WCDMA B5/LTE B5/B20/B26 Theta=0deg



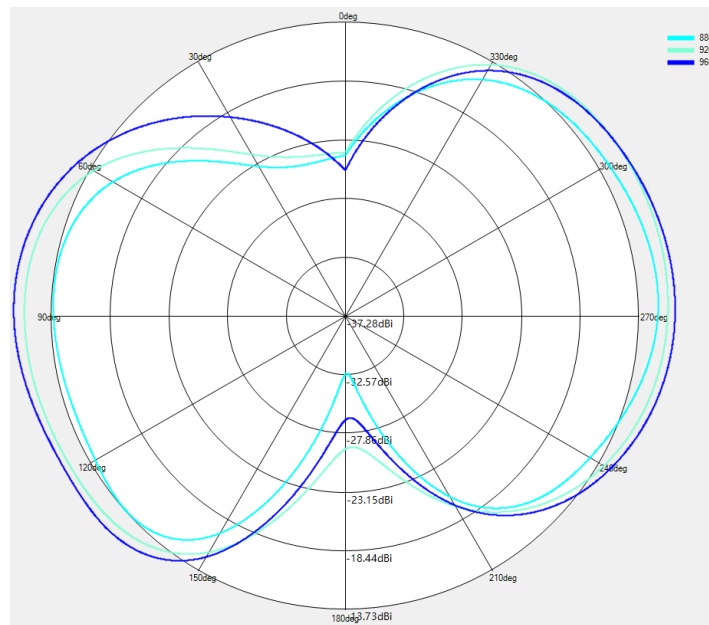
GSM850/ WCDMA B5/LTE B5/B20/B26 Theta=90deg



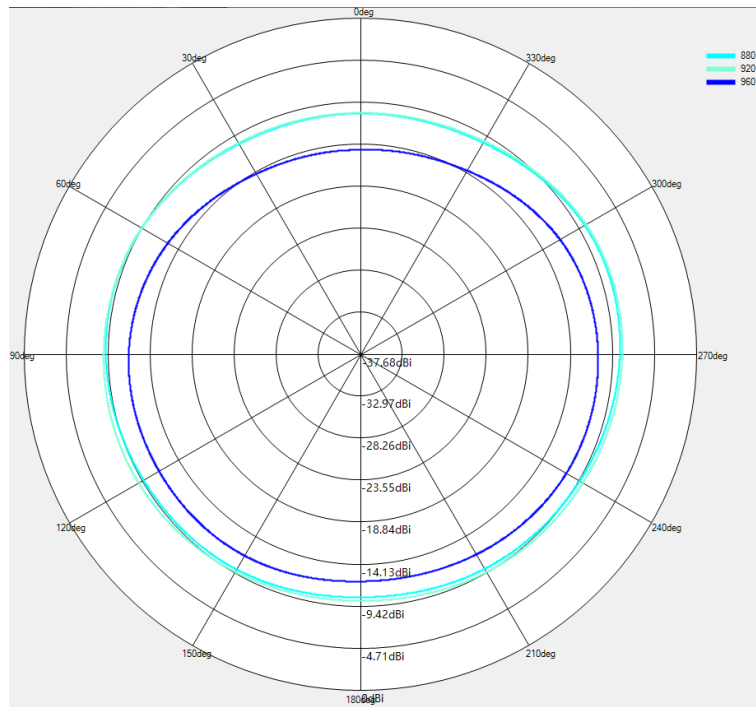
GSM850/ WCDMA B5/LTE B5/B20/B26 Phi=90deg

※ Antenna Gain

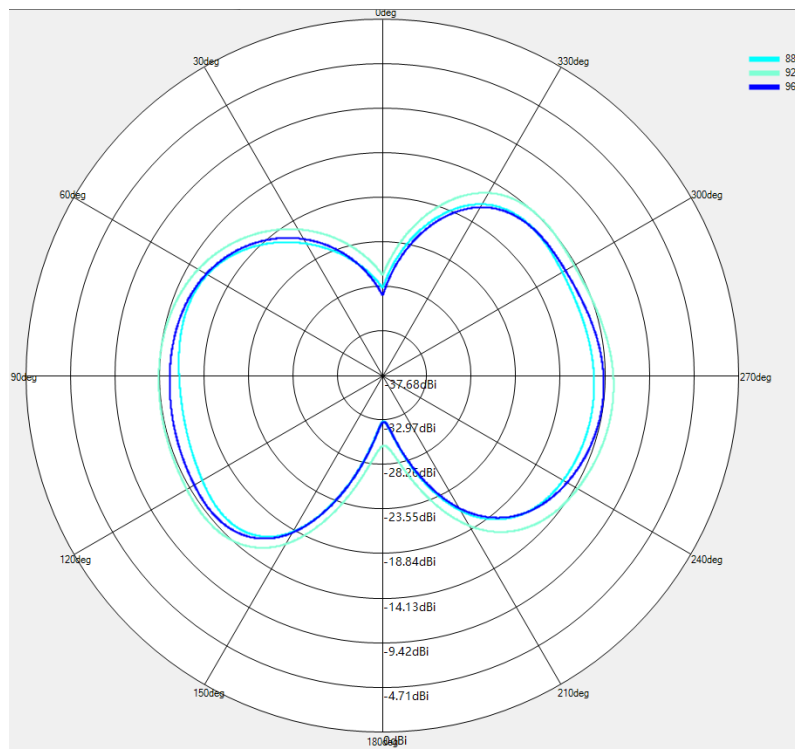
ANT0



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



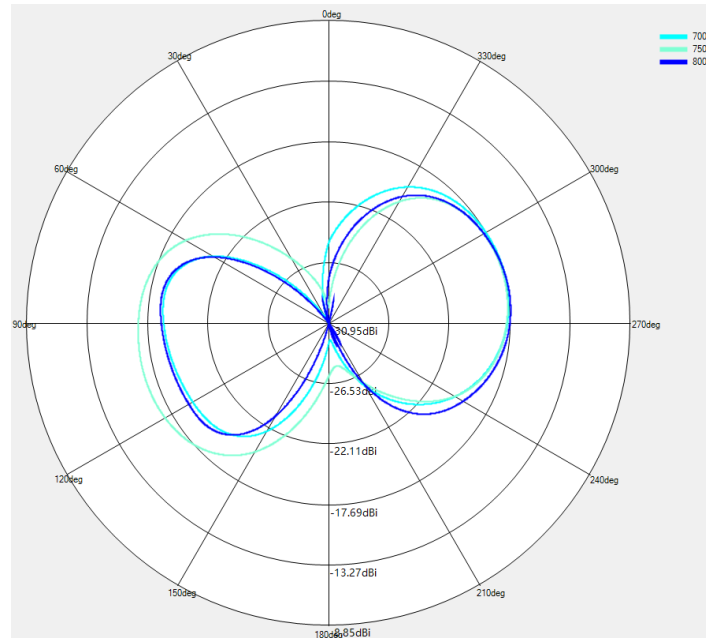
GSM 900/WCDMA B8/LTE B8 $\Theta = 90^\circ$



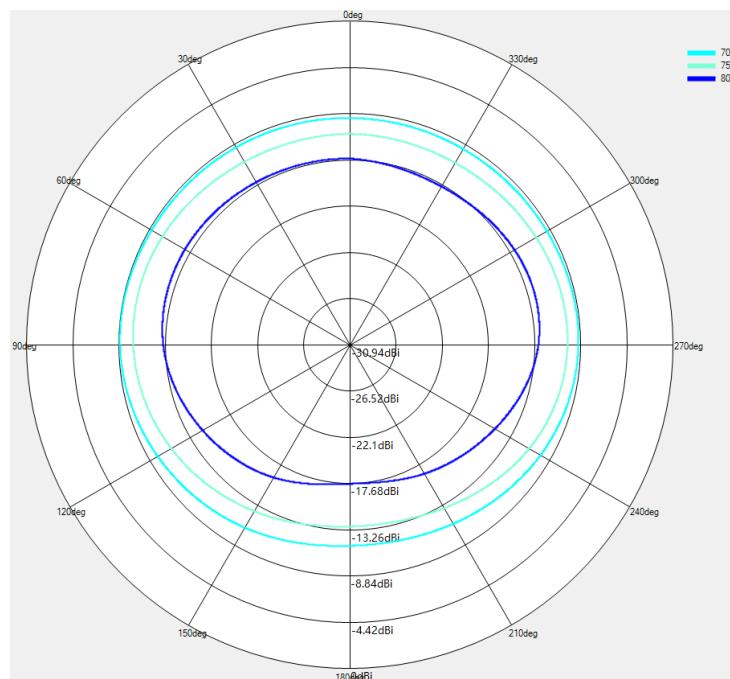
GSM 900/WCDMA B8/LTE B8 $\Phi = 90^\circ$

※ Antenna Gain

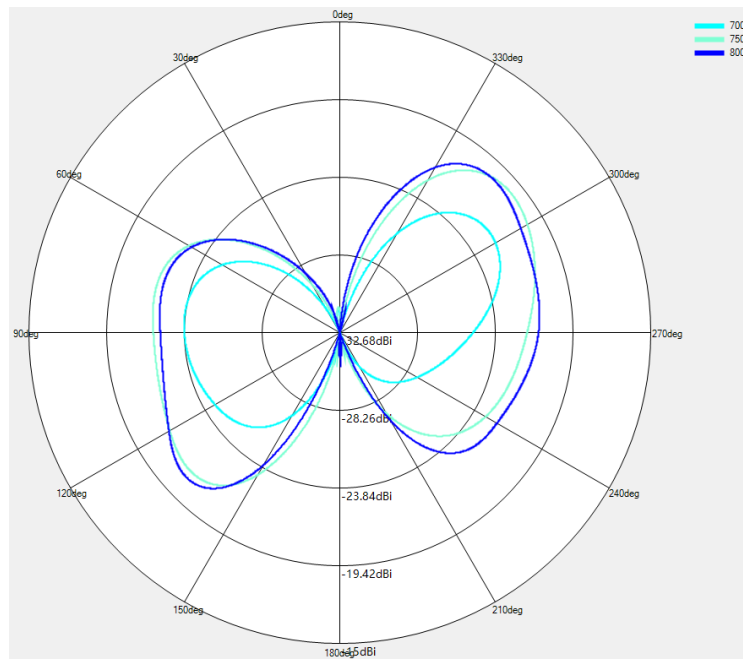
ANT0



LTE B12/B17/B28 Theta=0deg



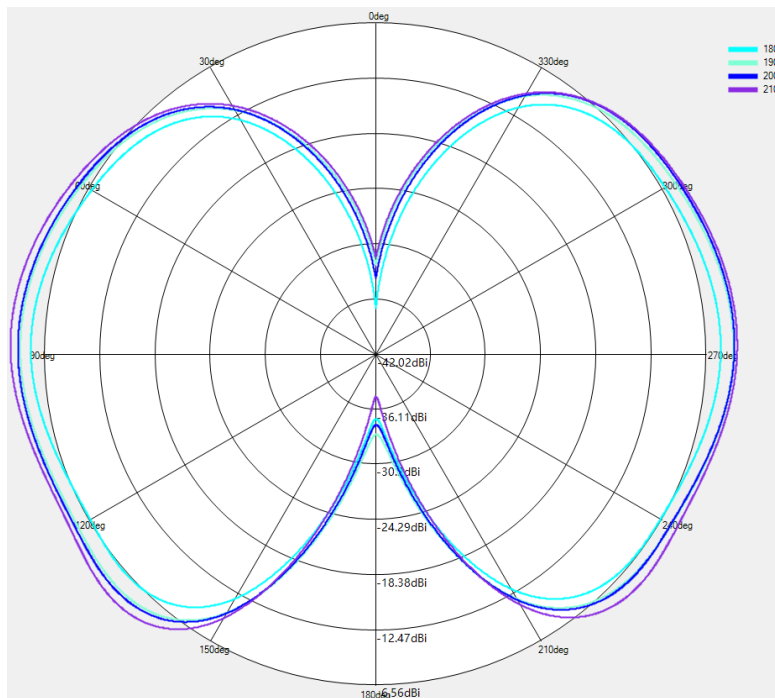
LTE B12/B17/B28 Theta=90deg



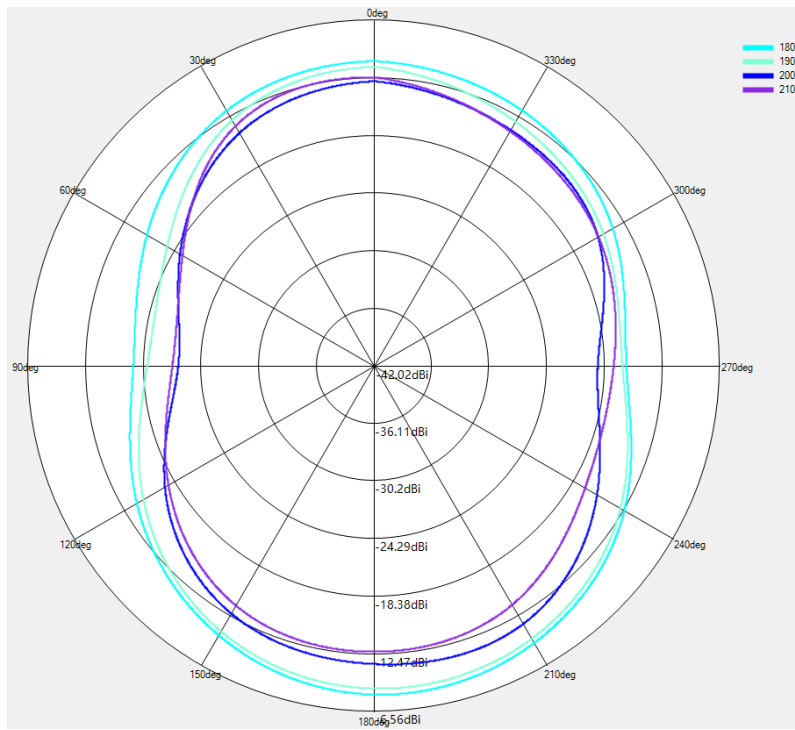
LTE B12/B17/B28 Phi=90deg

※ Antenna Gain

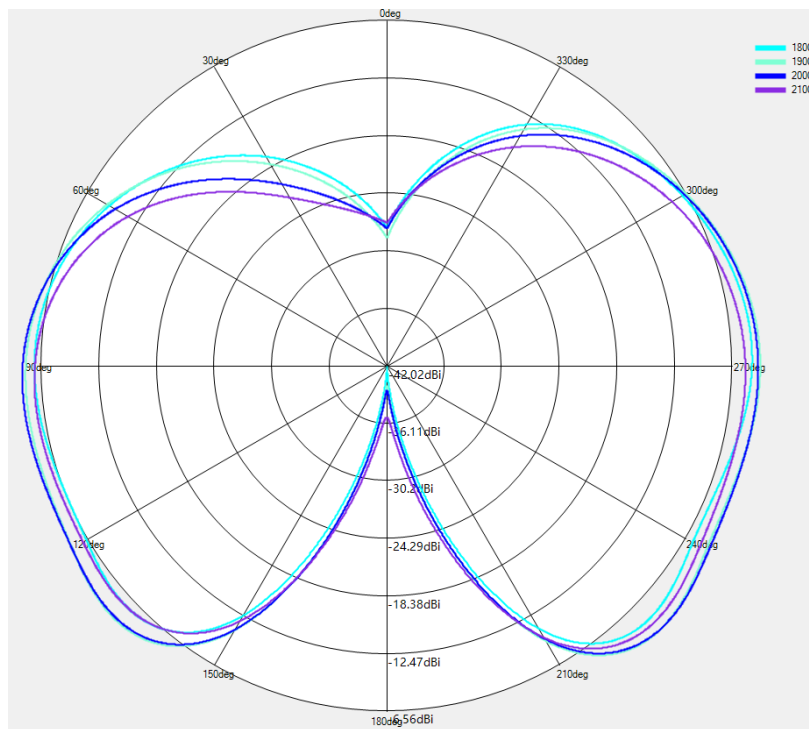
ANT0



DCS/PCS/WCDMA B1/B2/B4/LTE B1/B2/B3/B4/B66 Theta=0deg



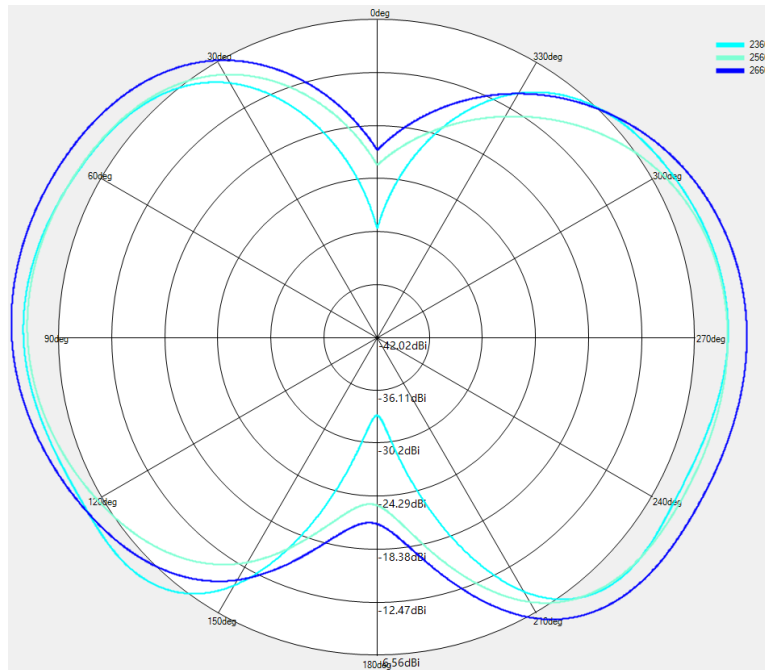
DCS/PCS/WCDMA B1/B2/B4/LTE B1/B2/B3/B4/B66 Theta=90deg



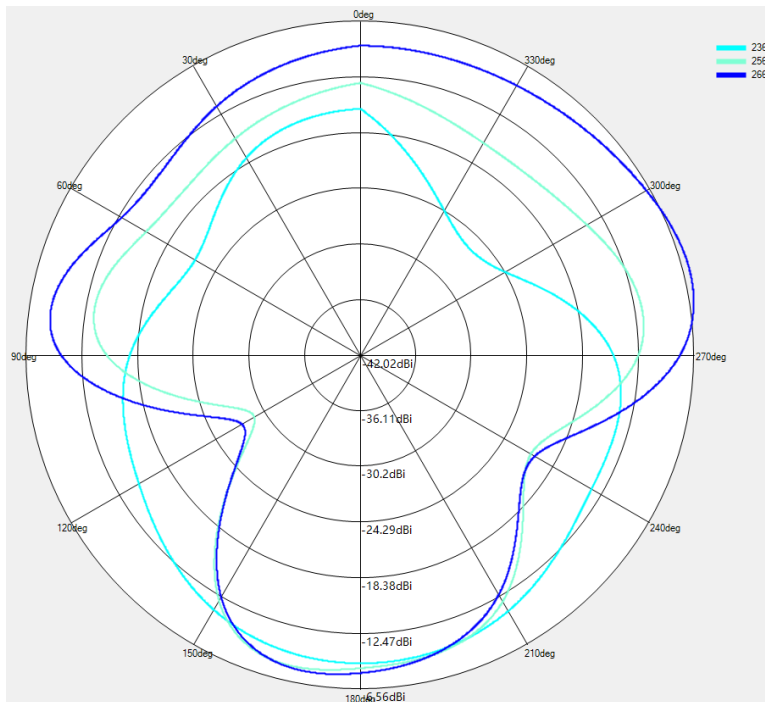
DCS/PCS/WCDMA B1/B2/B4/LTE B1/B2/B3/B4/B66 Phi=90deg

※ Antenna Gain

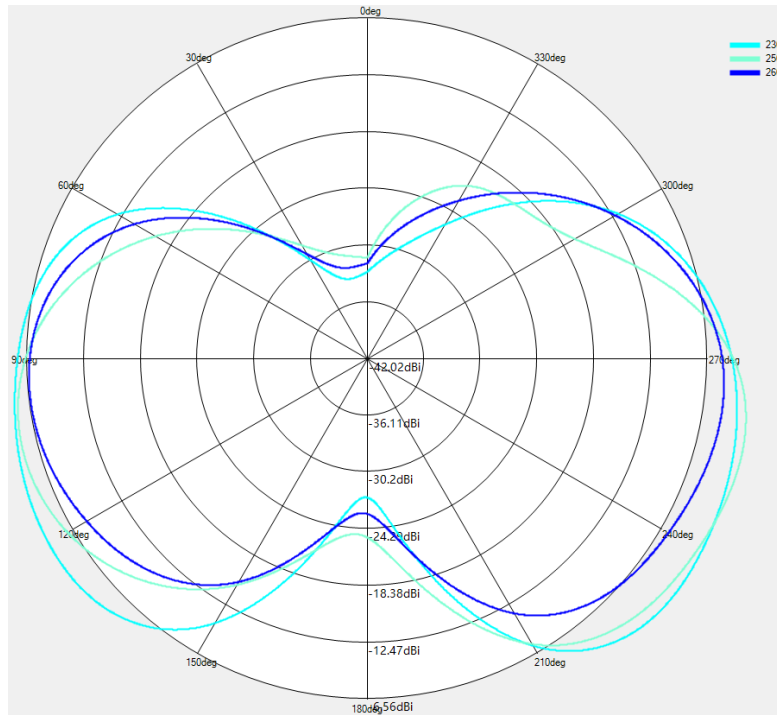
ANT0



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



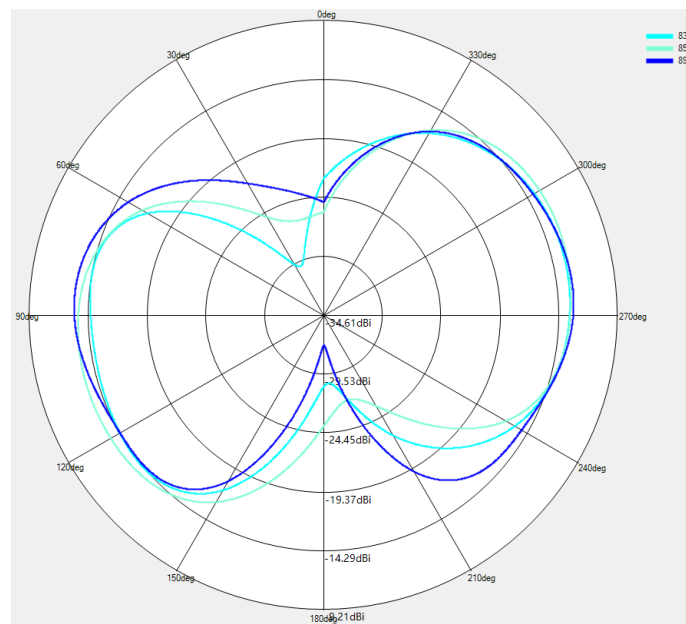
LTE B7/B38/B40/B41 Theta=90deg



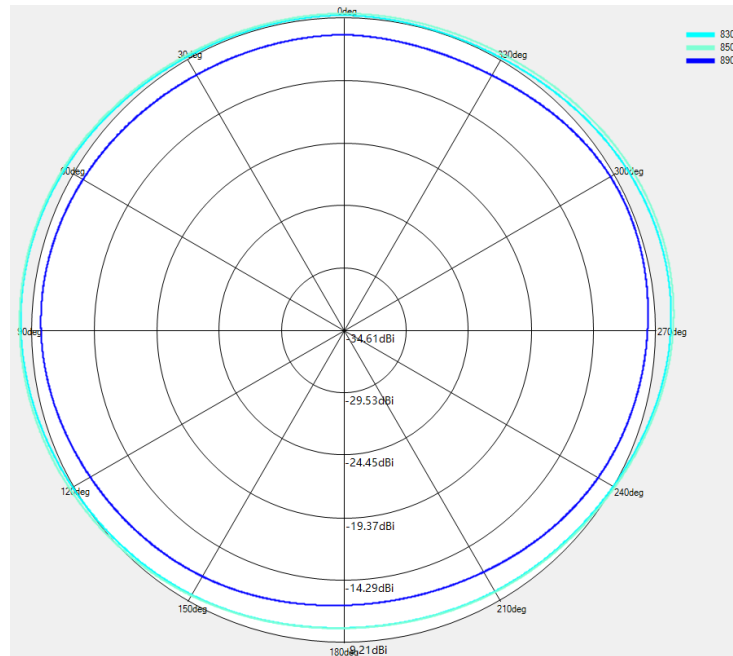
LTE B7/B38/B40/B41 $\Phi=90^\circ$

※ Antenna Gain

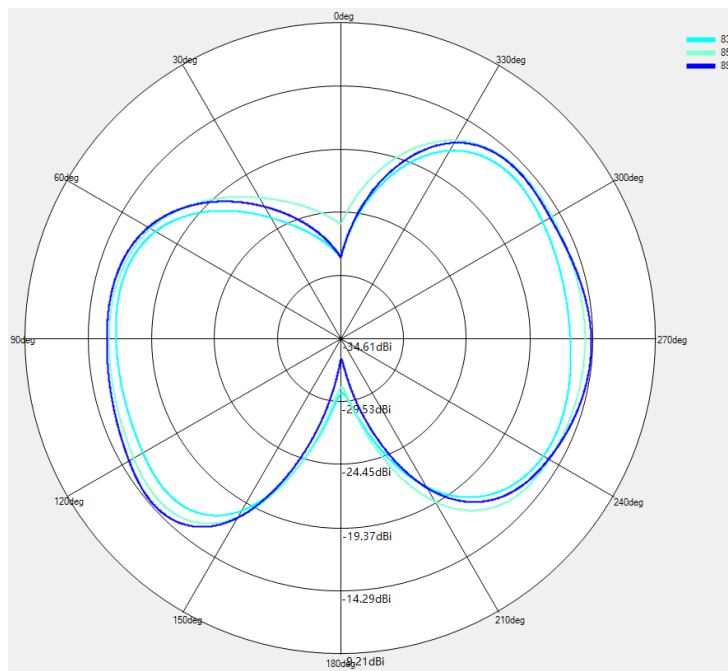
ANT1



GSM850/ WCDMA B5/LTE B5/B20/B26 $\Theta=0^\circ$



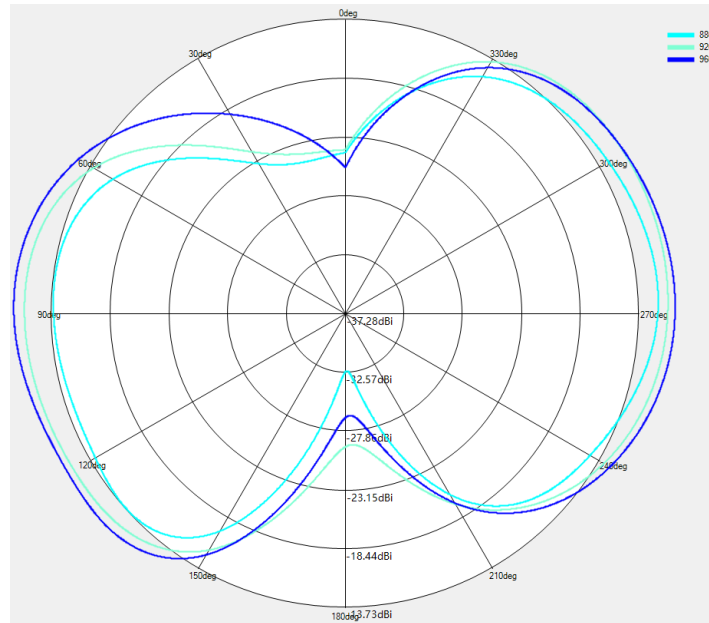
GSM850/ WCDMA B5/LTE B5/B20/B26 Theta=90deg



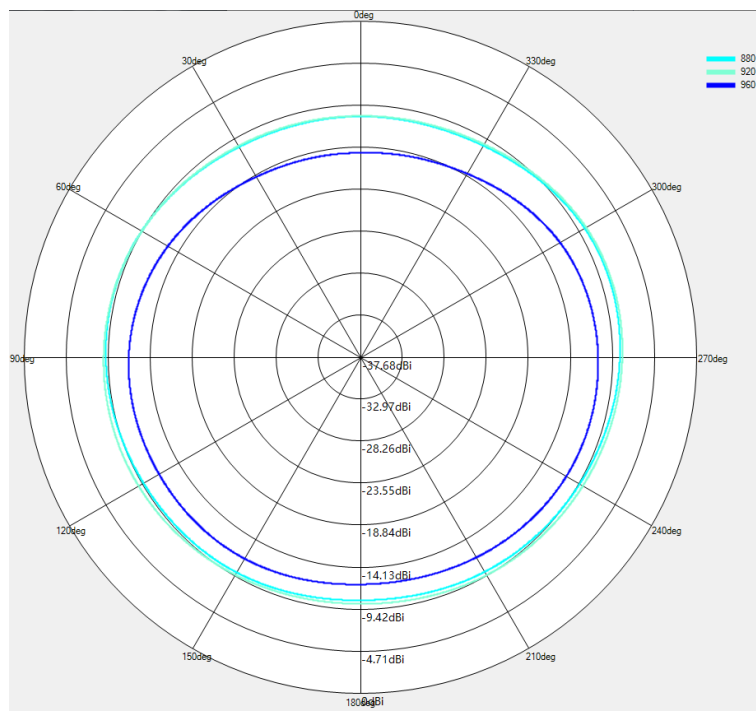
GSM850/ WCDMA B5/LTE B5/B20/B26 Phi=90deg

※ Antenna Gain

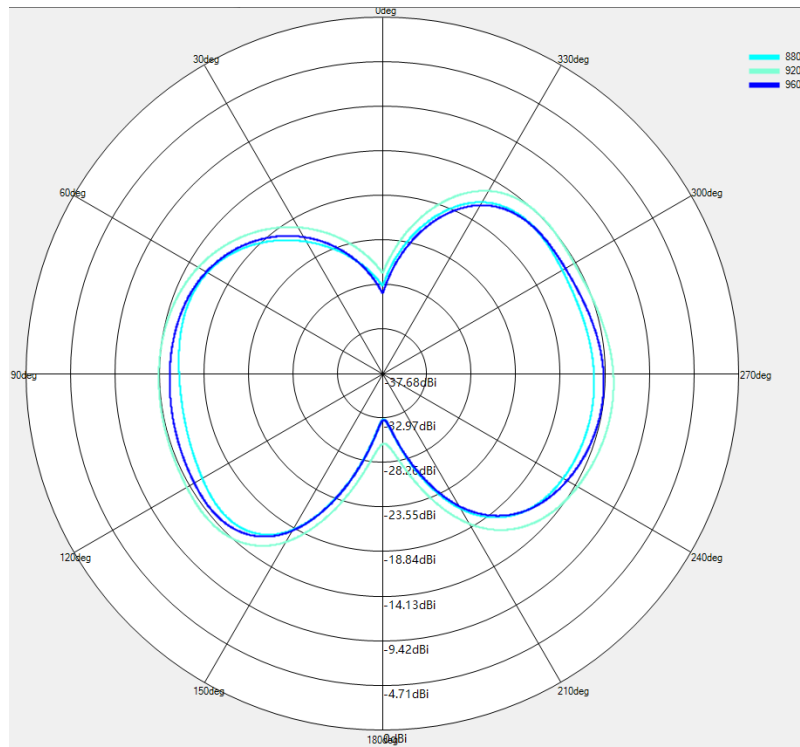
ANT1



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



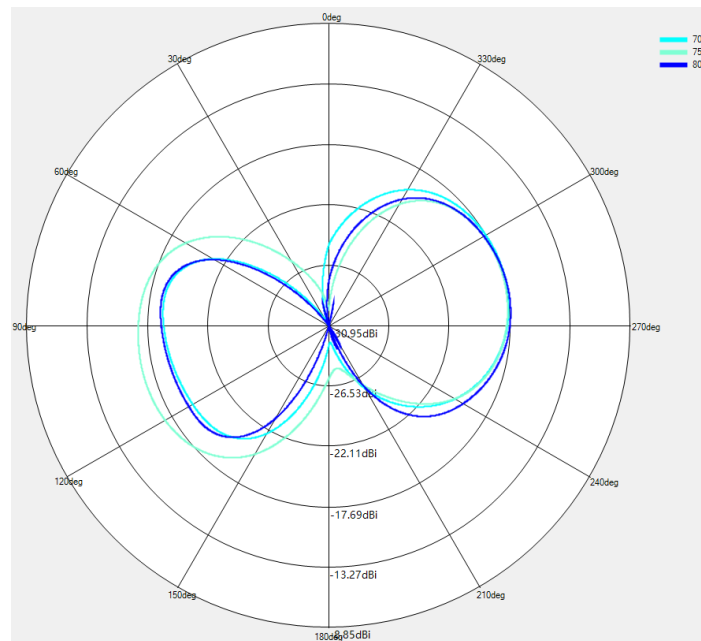
GSM 900/WCDMA B8/LTE B8 Theta=90deg



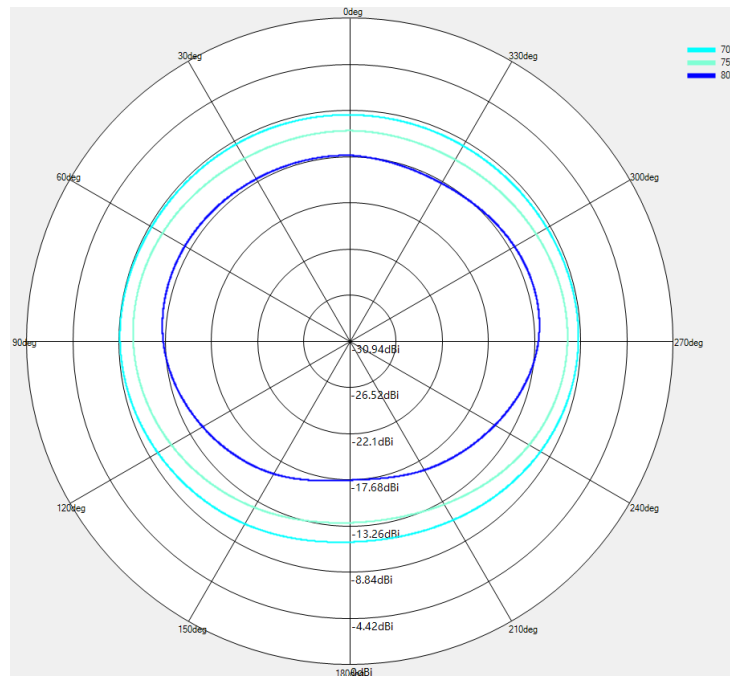
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※ Antenna Gain

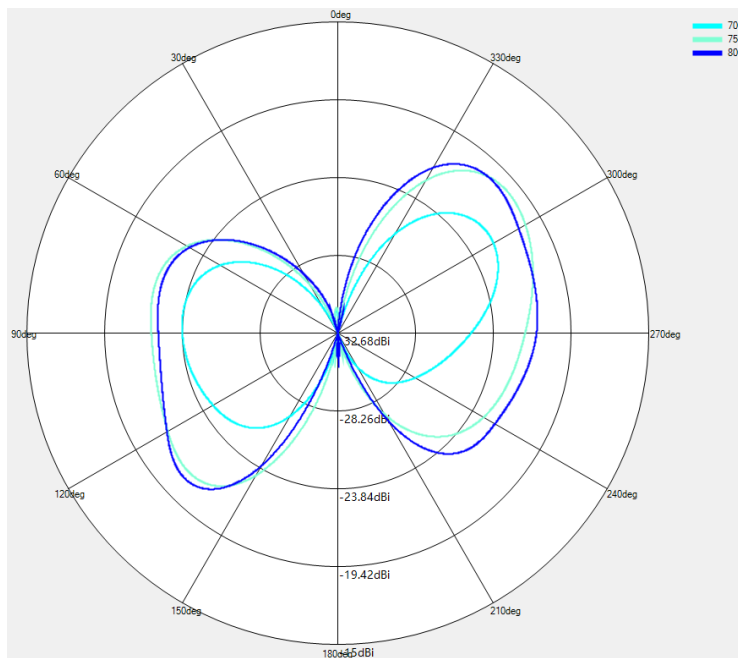
ANT1



LTE B12/B17/B28 Theta=0deg



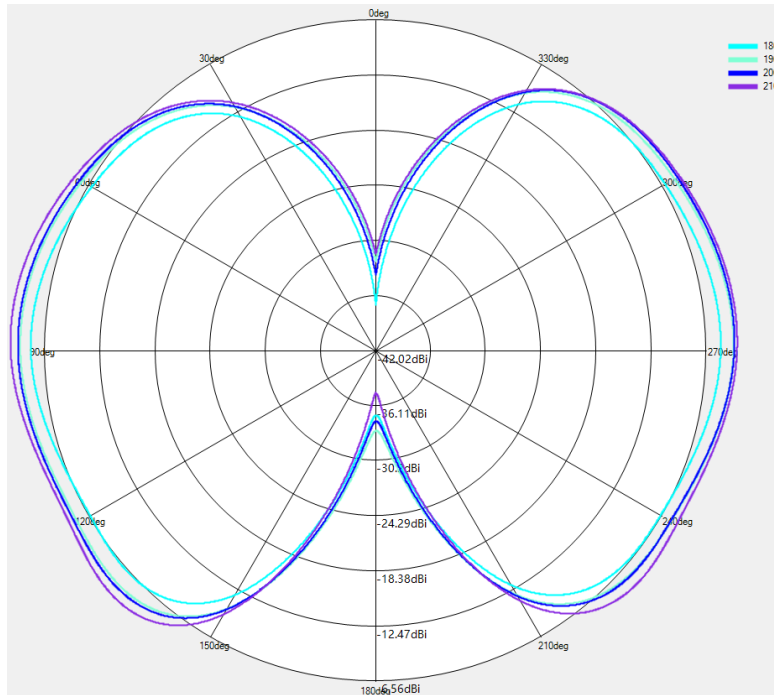
LTE B12/B17/B28 Theta=90deg



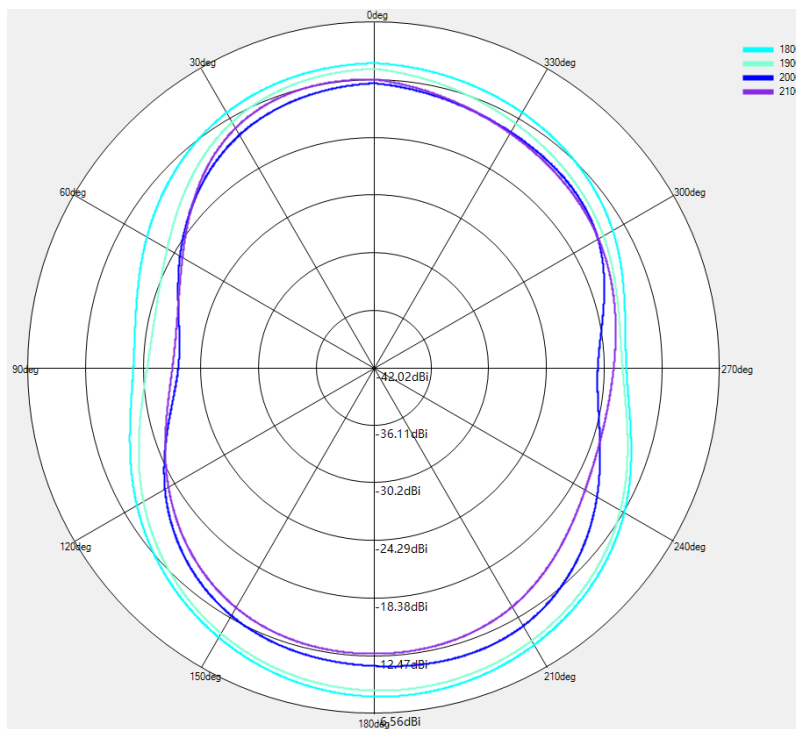
LTE B12/B17/B28 Phi=90deg

※ Antenna Gain

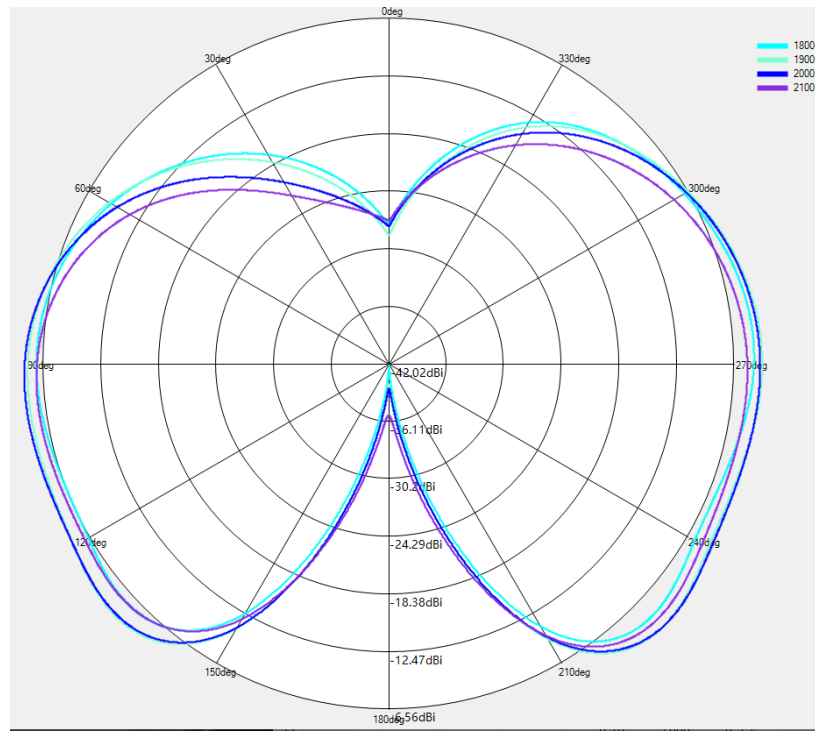
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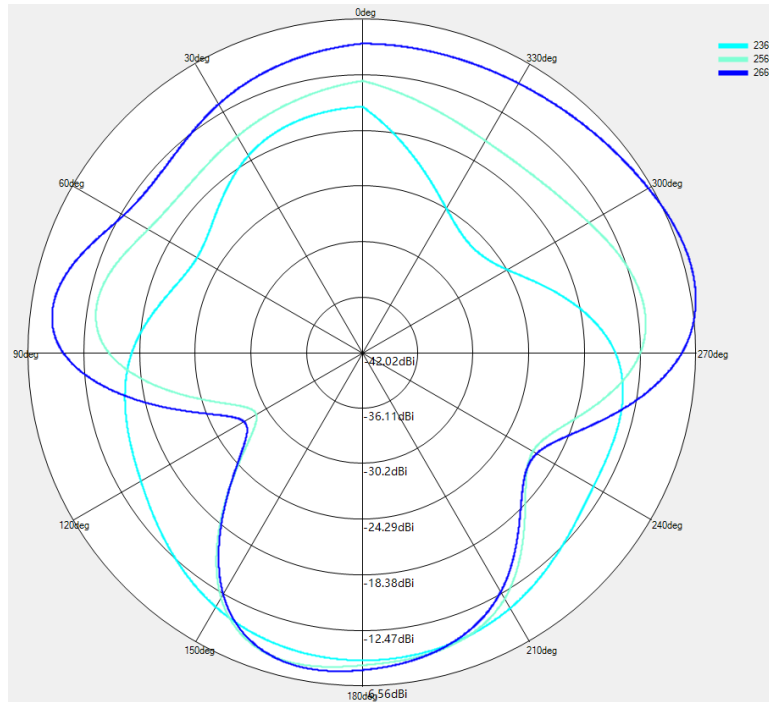


DCS/PCS/WCDMA B1/B2/B4/LTE B1/B2/B3/B4/B66 Theta=0deg

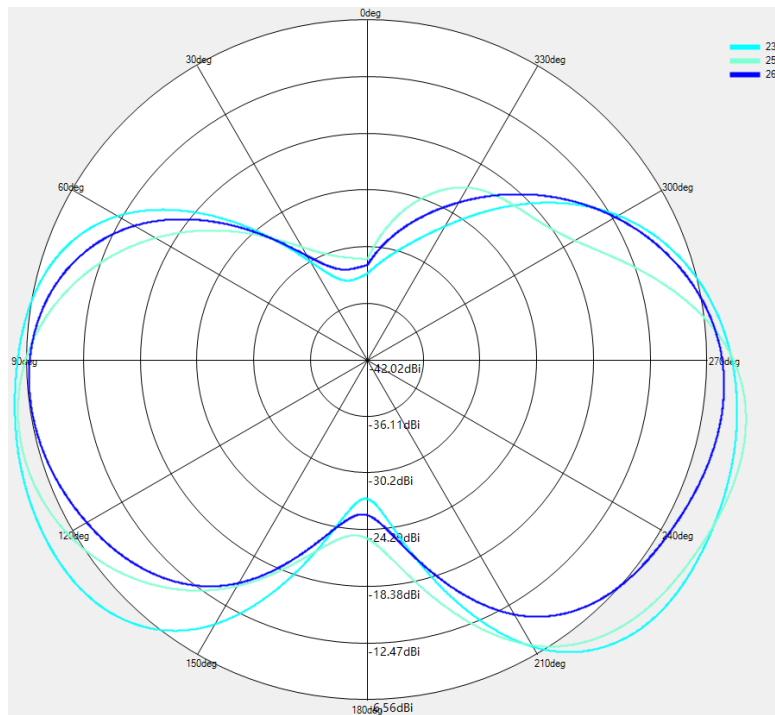


DCS/PCS/WCDMA B1/B2/B4/LTE B1/B2/B3/B4/B66 Theta=90deg





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



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

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
	Peitian.zhang		DATE:	2024/07/01