TRANSSION
传音控股

Feature

※ High gain

※ Omani-directional

※ Wide bandwidth

Application

※GSM850/900/DCS/PCS/WCDMAB1/B2/B4/B5/B8

LTE B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28/B38/B40/B41/B42/B66
NR n1/n3/n5/n7/n8/n12/n20/n28/n66/n38/n40/n41/n77/n78

Name and address of the antenna manufacturer	Model number of the antenna
Huizhou Speed Wireless technology Co.,Ltd Add: Room 910, Building 27, Fire Chain Digital Innovation Base, Xiantao Data Valley, Yubei District, Chongqing	X6857-ANT0-SPD-XX-XX X6857-ANT1-SPD-XX-XX X6857-ANT2-SPD-XX-XX X6857-ANT3-SPD-XX-XX X6857-ANT4-SPD-XX-XX X6857-ANT5-SPD-XX-XX X6857-ANT6-SPD-XX-XX X6857-ANT12-SPD-XX-XX （XX:Version-Date）

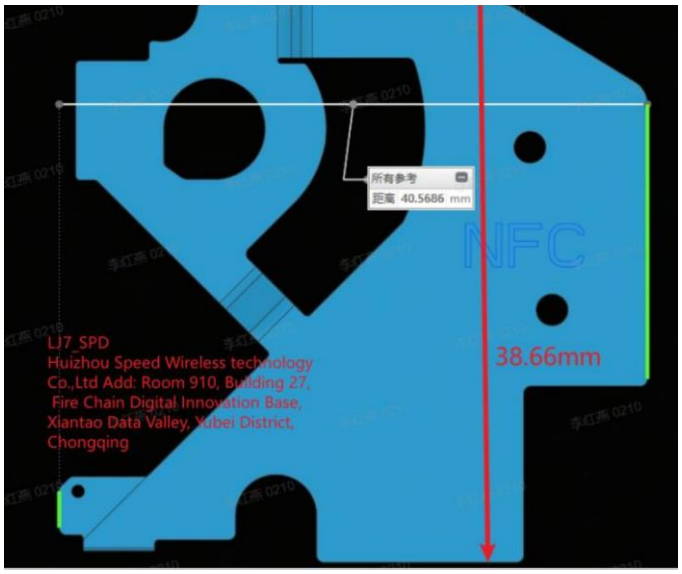
TYPE	
Transmitter Frequency	WCDMA B1/LTE B1/NR n1: 1920-1980 MHz

		PCS/WCDMA B2/LTE B2: 1850-1910 MHz
		DCS/WCDMA B4/LTE B3/B4/B66/NR n3: 1710-1785 MHz
		GSM 850/WCDMA B5/LTE B5/NR n5:824-849MHz
		LTE B7/NR n7: 2500-2570MHz
		GSM 900/WCDMA B8/LTE B8/NR n8:880-915MHz
		LTE B12/B17/B28/NR n12/n28:699-748MHz
		LTE B13:777-787MHz
		LTE B20/NR n20:832-862MHz
		LTE B40/NR n40:2300-2400MHz
		LTE B38/B41/NR n38/n41:2496-2690MHz
		NR n71:663-698MHz
		LTE B42/NR n77/n78:3300-4200MHz
Receiver Frequency		WCDMA B1/LTE B1/NR n1: 2110-2170 MHz
		PCS/WCDMA B2/LTE B2: 1930-1990 MHz
		DCS/LTE B3/B66/NR n3: 1805-1880 MHz
		WCDMA B4/LTE B4:2110-2155MHz
		GSM 850/WCDMA B5/LTE B5/NR n5: 869-894 MHz
		LTE B7/NR n7:2620-2690MHz
		GSM 900/WCDMA B8/LTE B8/NR n8:925-960MHz
		LTE B12/B17/B28/NR n12/n28:729-803MHz
		LTE B13:746-756MHz
		LTE B20/NR n20:791-821MHz
		LTE B40/NR n40:2300-2400MHz
		LTE B38/B41/NR n38/n41:2496-2690MHz
		NR n71:617-652MHz
		LTEB42/NR n77/n78:3300-4200MHz
		LTE B1/NR N1: -3.16 dBi
		LTE B2: -4.61 dBi
		LTE B3/B4/NR N3:- 6.82dBi

Antenna Gain	ANT3	LTE B7/B38/B41/NR N7/N38/N41:-2.97 dBi
		LTE B40/NR n40:- 1.71dBi
		LTE B42/NR N77N/78:- 2.13dBi
	ANT0	LTE B42/NR N77/N78：-2.13 dBi
	ANT2	LTE B1/NR n1:-2.39dBi
		LTE B2/B3/B4/NR n3:-0.81dBi
		LTE B5/B20/NR n5/n20:-6.55dBi
		LTE B7/B38/B41/NR n7/n38/n41:-0.43dBi
		LTE B8/NR n8:-5.09dBi
		LTE B12/B13/B28/NR n12/n28:-5.49dBi
		LTE B40/NR n40:-2.28dBi

	ANT6	GPS:- 1.21dBi
		NR N77/N78:- 1.84dBi
	ANT5	LTE B1/NR n1: -0.44 dBi
		LTE B2: -1.36dBi
		LTE B3/NR n3:-0.3dBi
		LTE B5/B20/NR n5/n20:- 6.17dBi
		LTE B7/B38/B41/NR n7/n38/n41: - 0.3dBi
		LTE B8/NR n8:- 5.23dBi
		LTE B13/B28/NR n28:-7.38dBi
		LTE B40/NR n40:- 2.48dBi
	ANT12	BT/WIFI 2.4G:-0.92dBi 5G:-1.65dBi
	ANT4	NR N77/N78:-3.07dBi
Antenna type	RF NFC WPT	Internal Antenna Internal Antenna Coil Antenna

NFC Dimensions



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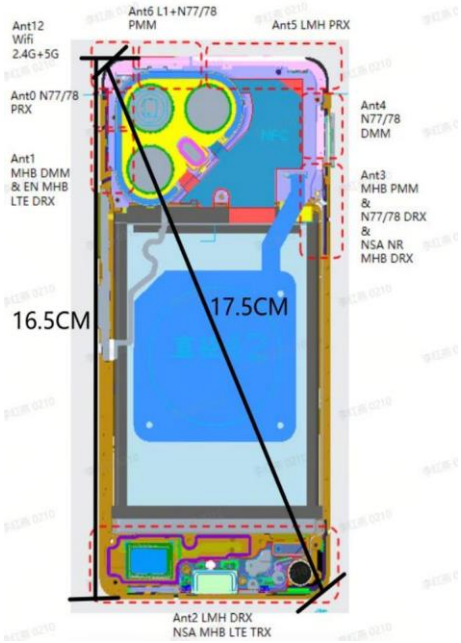


Antenna	Support Band
Ant 0	LTE B42 NR N77/78
Ant 1	LTE B1/B3/B4/B66/B7/B38/B40/B41 NR N1/N3/N66/N7/N38/N40/N41
Ant 2	GSM 850/900/1800/1900 WCDMA B1/2/4/5/8 LTE B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28/B66/B38/B40/B41 NR N1/N3/N5/N7/N8/N12/20/28/N66/38/N40/41
Ant 3	LTE B1/B3/B4/B66/B7/B38/B40/B41/B42 NR N1/N3/N66/N7/N38/N40/N41/N77/78
Ant 4	NR N77/78
Ant 5	GSM 850/900/1800/1900 WCDMA B1/2/4/5/8 LTE B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28/B66/B38/B40/B41 NR N1/N3/N5/N7/N8/N12/20/28/N66/38/N40/41
Ant 6	GPS L1+ NR N78
Ant 7	
Ant 8	
Ant 9	
Ant 10	
Ant	

11	
Ant 12	Wifi 2.4G+5G
Ant 13	

Wireless reverse charging test data

1. Operating frequency: 115K-148K

2. Coil model: 88.72mm*53.8mm*0.28mm

3. Maximum working current of the coil: 1A

4. Maximum transmission power: 5W

5. Charging communication interaction mode: ASK&FSK

6. Usage scenario: Turn on the reverse charging switch to charge another device (support wireless charging function)

7. The entire product CAD model and size;

8. Main material parameters of the product model (such as dielectric constant and magnetic permeability of ferrite, shell, main plate, etc.)

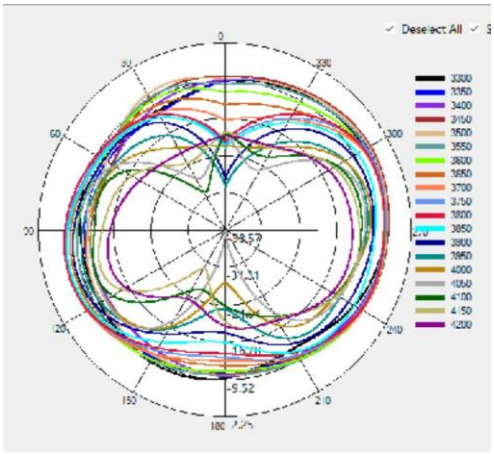
Nanocrystalline: magnetic permeability 2500±150

FPC: copper thickness 35um

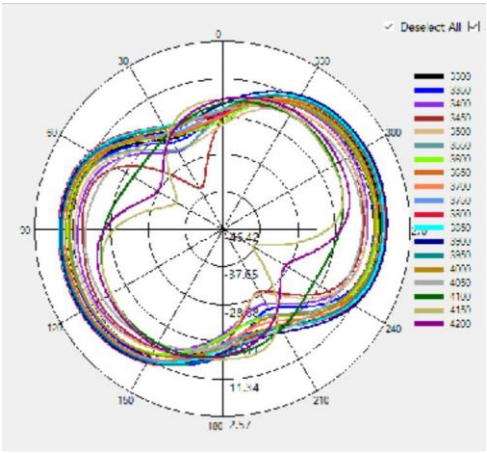
Coil: outer diameter 43mm, inner diameter 21mm, wire thickness 0.16mm

※ Antenna Gain

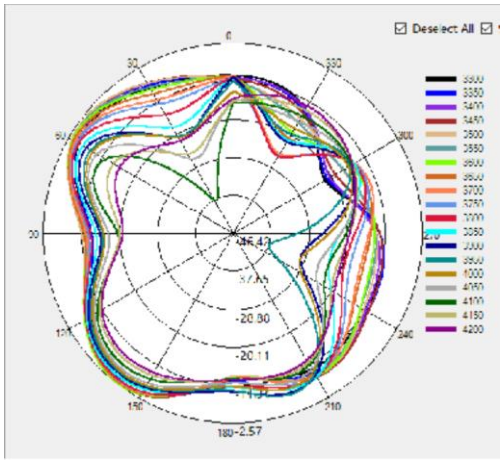
ANT0



LTE B42/N77/N78 Theta=90deg



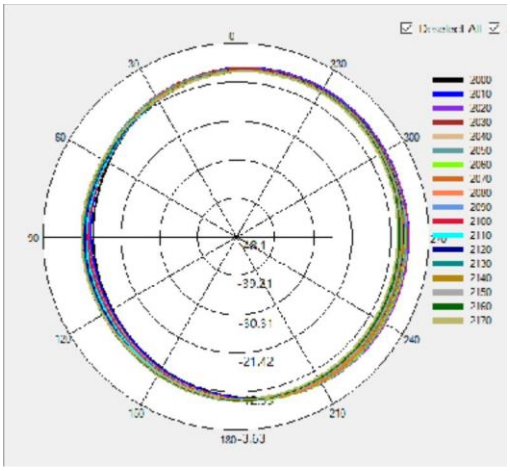
LTE B42/N77/N78 Phi=0deg



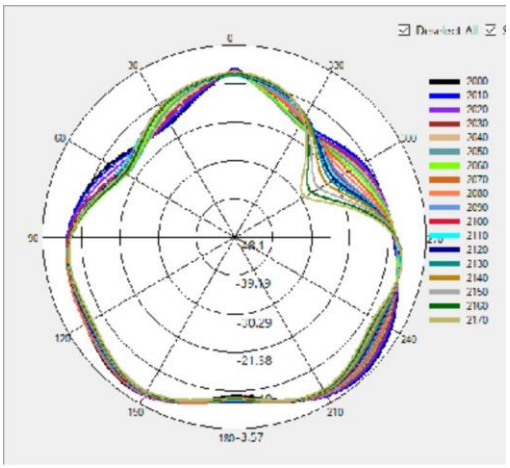
LTE B42/N77/N78 Phi=0deg

※ Antenna Gain

ANT2



B1/N1 Theta=90deg



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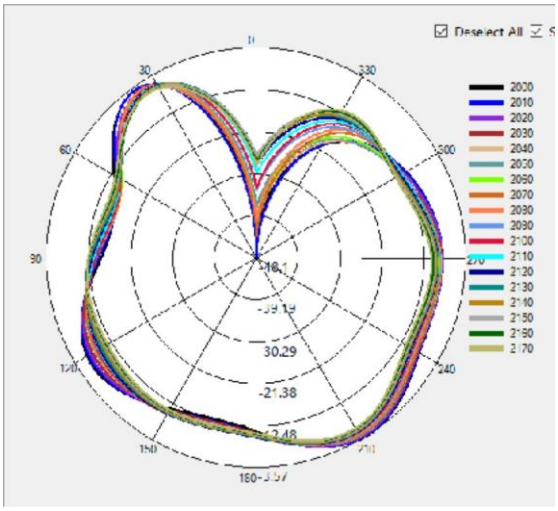
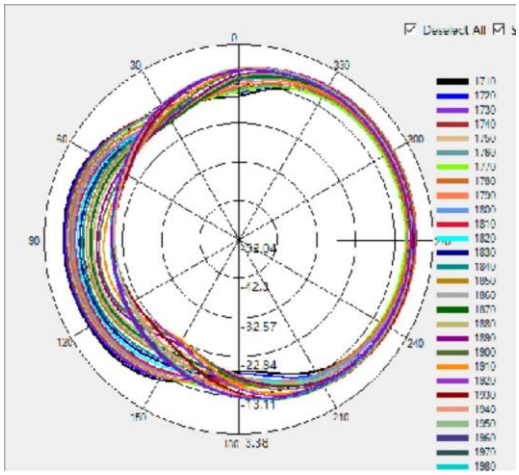
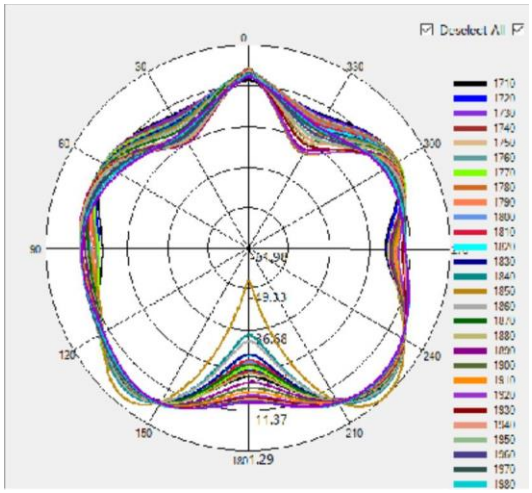


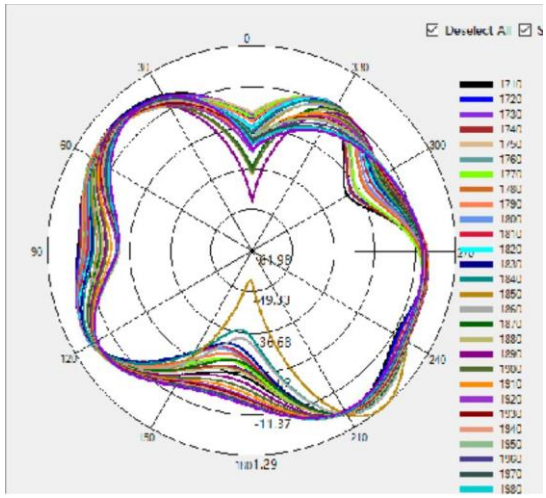
B1/N1 Phi=90deg



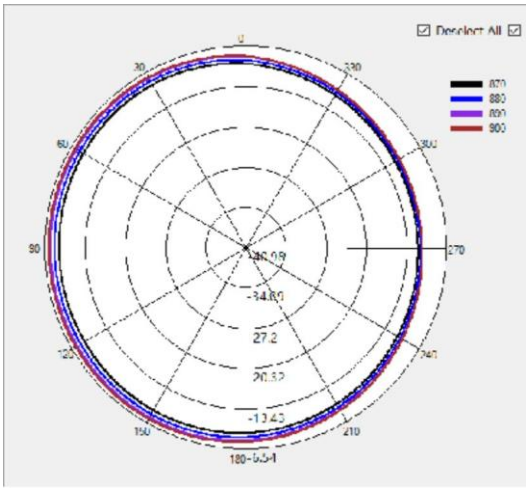
B2/B3/B4/B66/N3/N66 Theta=90deg



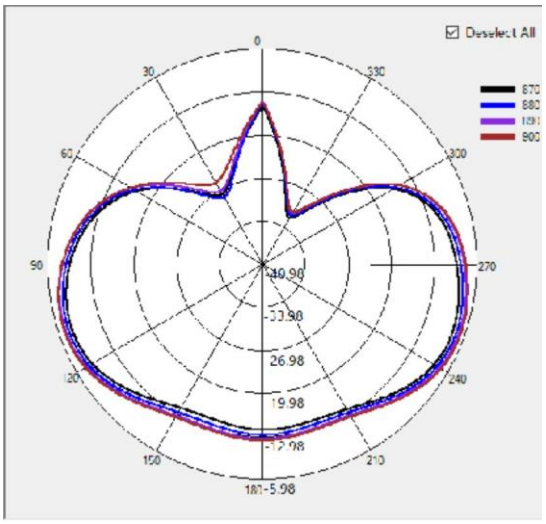
B2/B3/B4/B66/N3/N66 Phi=0deg



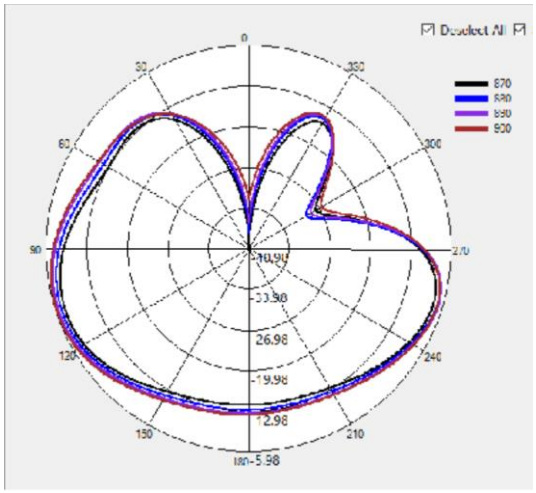
B2/B3/B4/B66/N3/N66 Phi=90deg



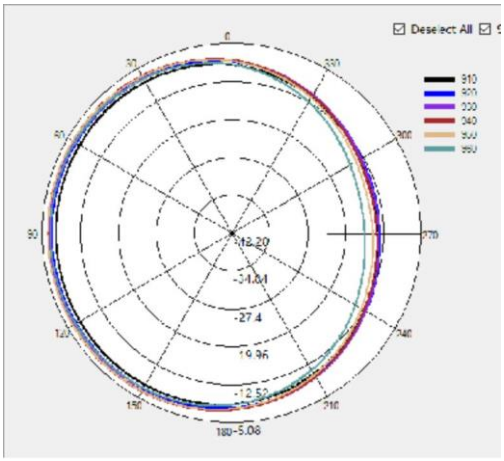
B5/B20/N5/N20 Theta=90deg



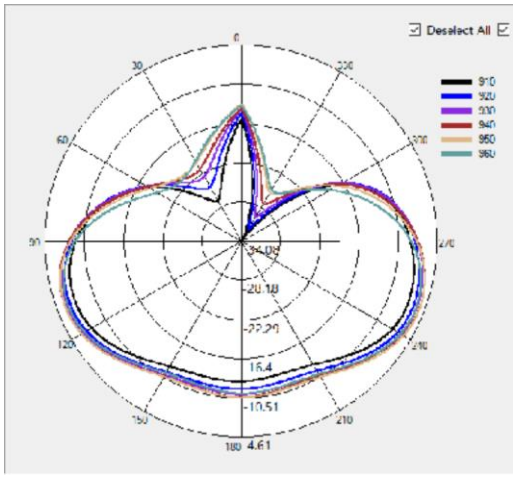
B5/B20/N5/N20 Phi=0deg



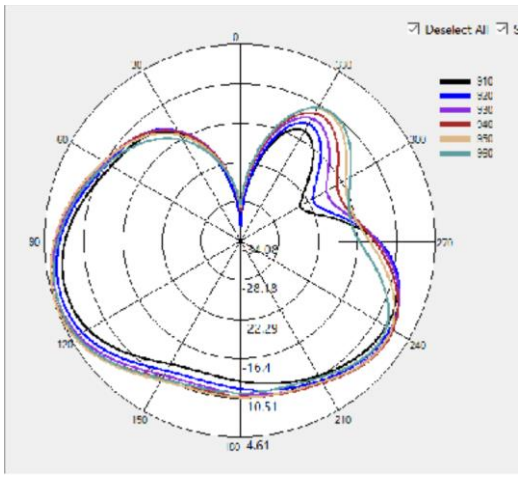
B5/B20/N5/N20 Phi=90deg



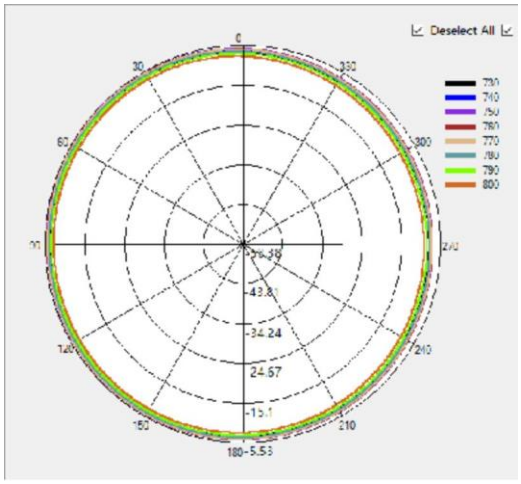
B8/N8 Theta=90deg



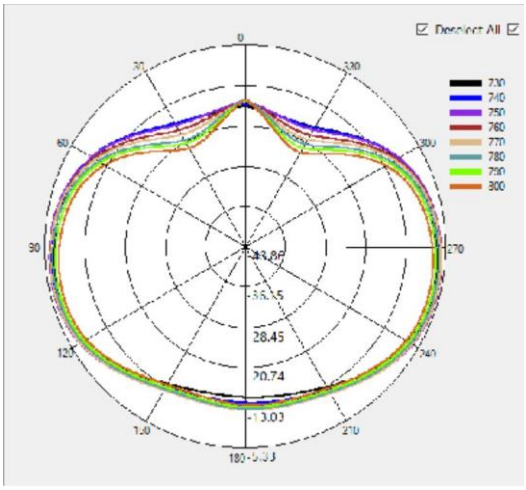
B8/N8 Phi=0deg



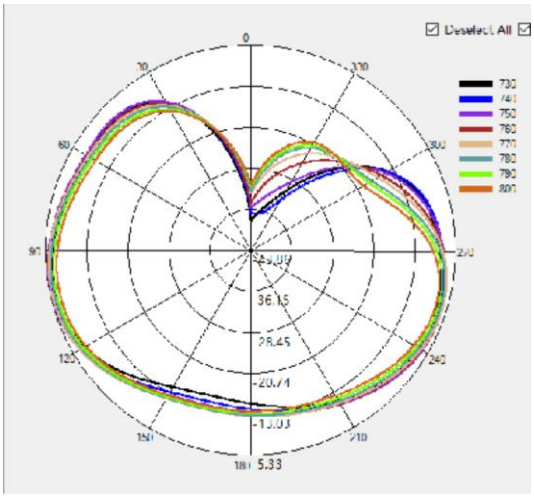
B8/N8 Phi=90deg



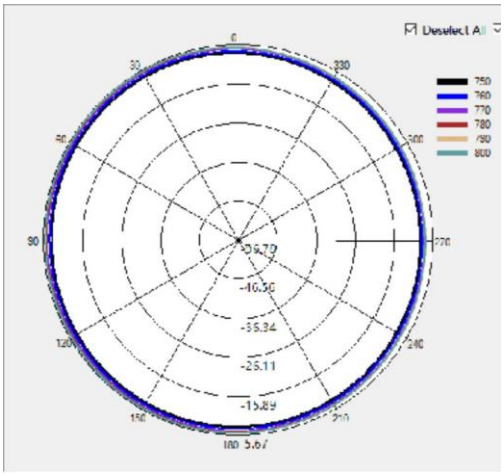
B12/13/28/N12/N28 Theta=90deg



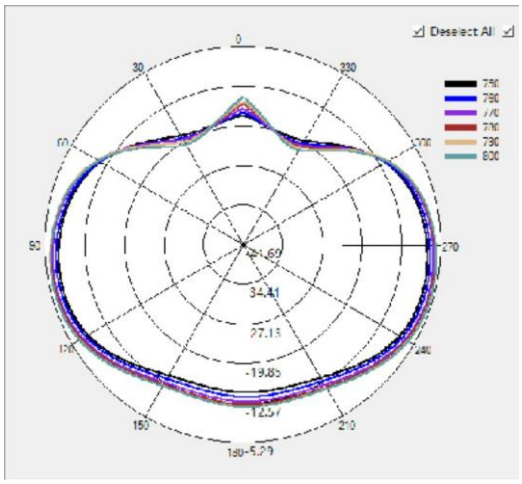
B12/13/28/N12/N28 Phi=0deg



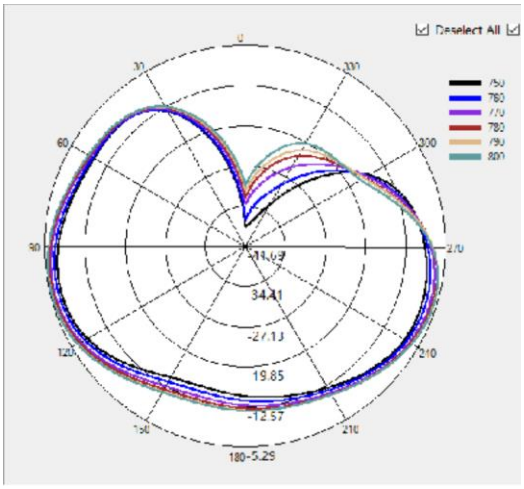
B12/13/28/N12/N28 Phi 90deg



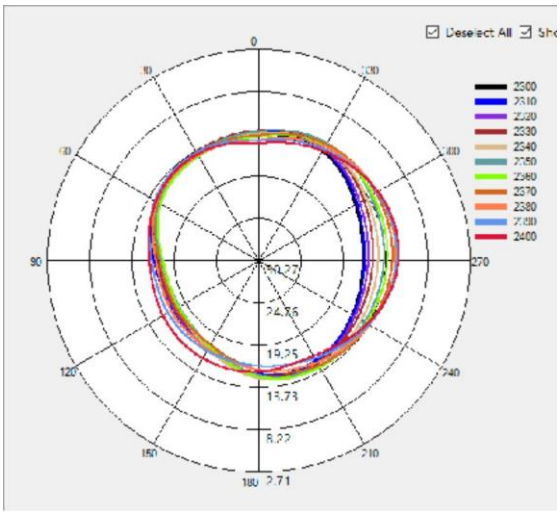
B12/13/28/N12/N28 Theta=90deg



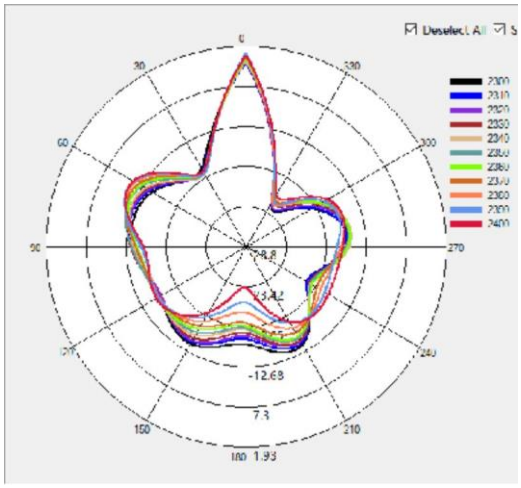
B12/13/28/N12/N28 Phi=0deg



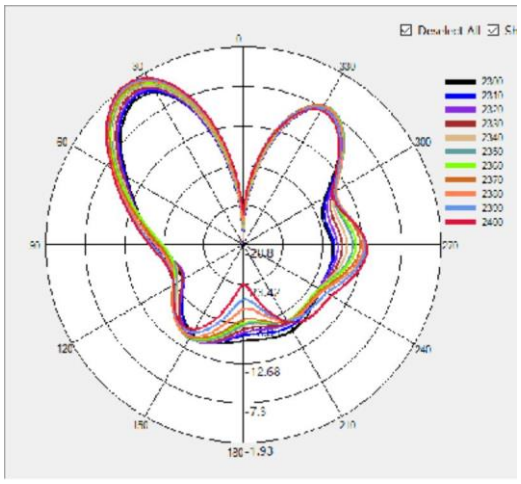
B12/13/28/N12/N28 Phi=90deg



B40/N40 Theta=90deg



B40/N40 Phi=0deg



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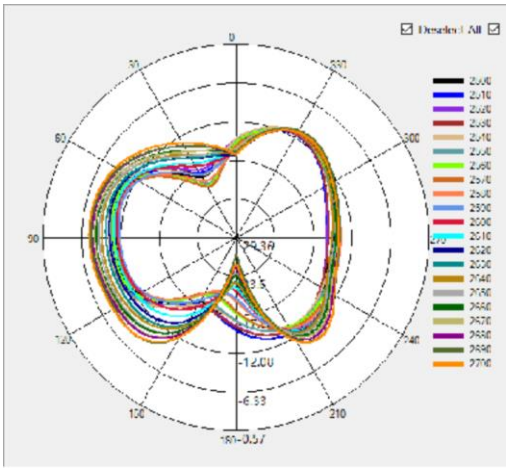
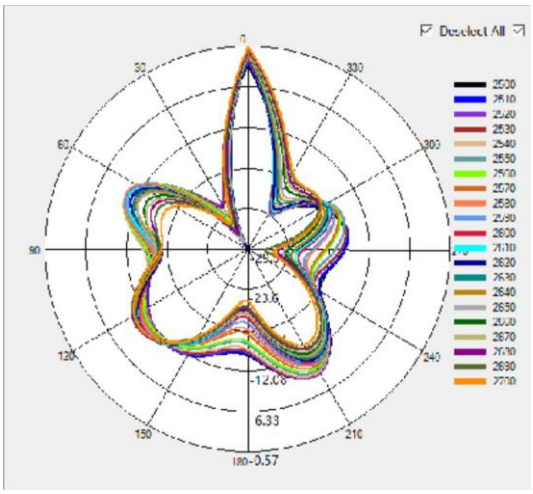
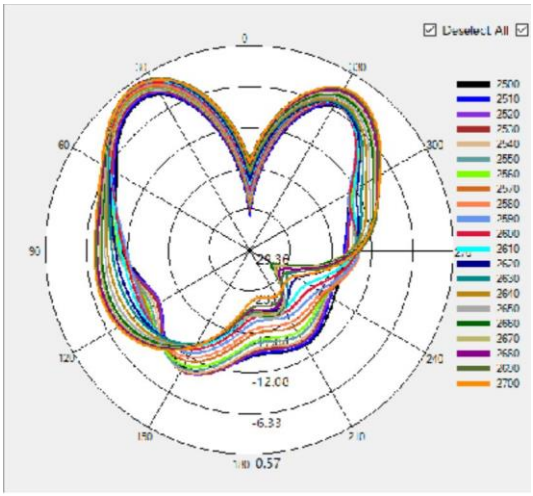


B7/N7 Theta=90deg



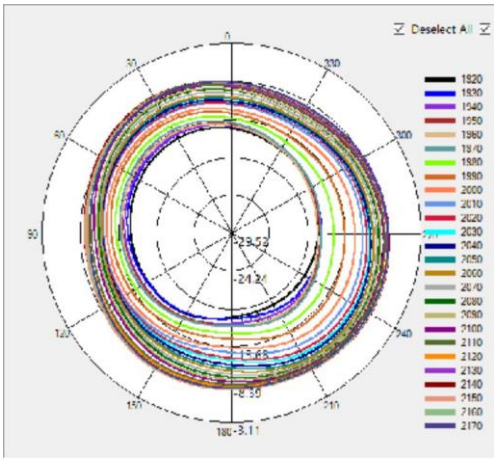
B7/N7 Phi=0deg



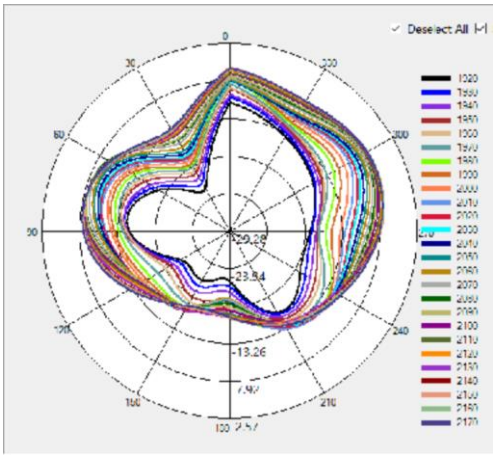
B7/N7 Phi=90deg

ANT3

※ Antenna Gain



B1/N1 Theta=90deg



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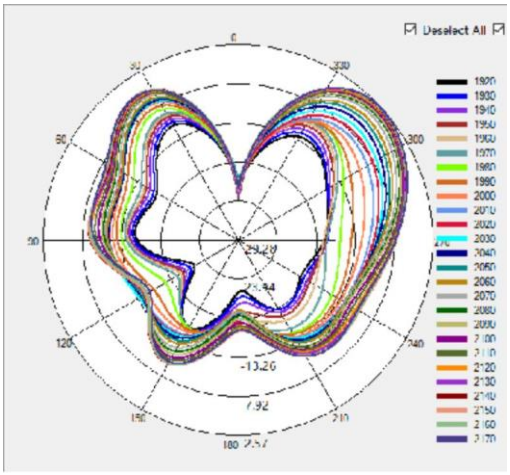
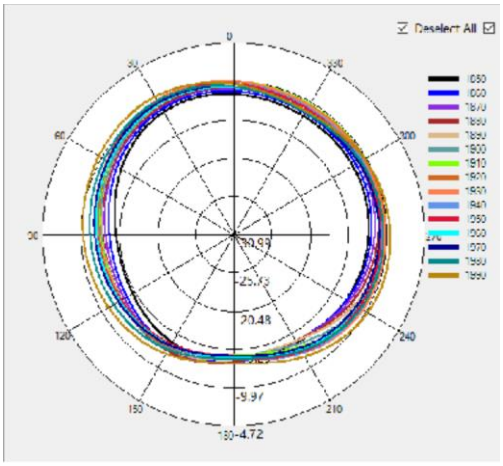
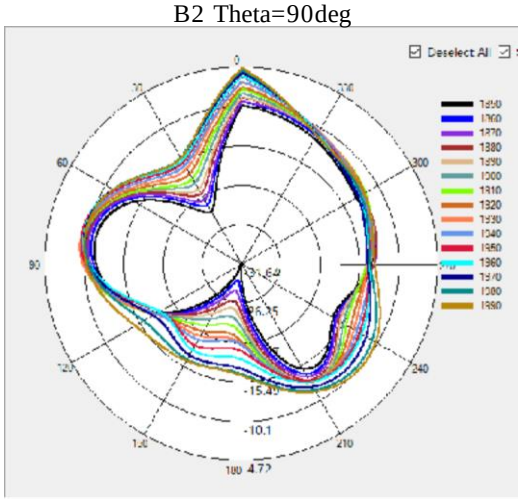
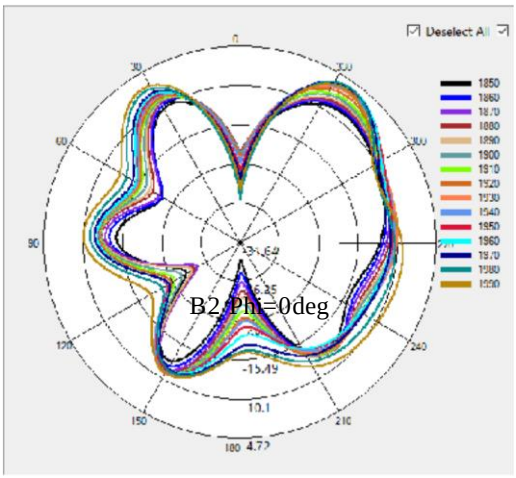


B1/N1 Phi=90deg

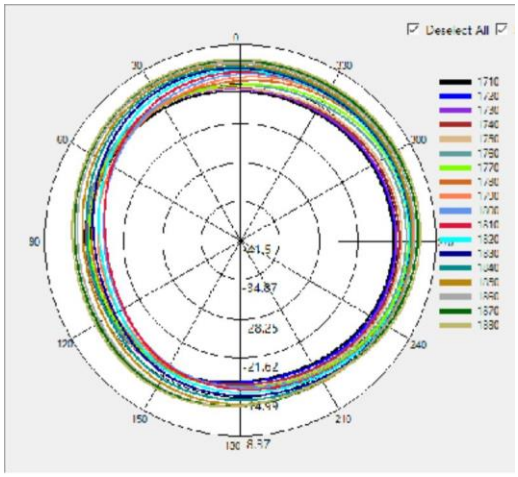


B2 Theta=90deg

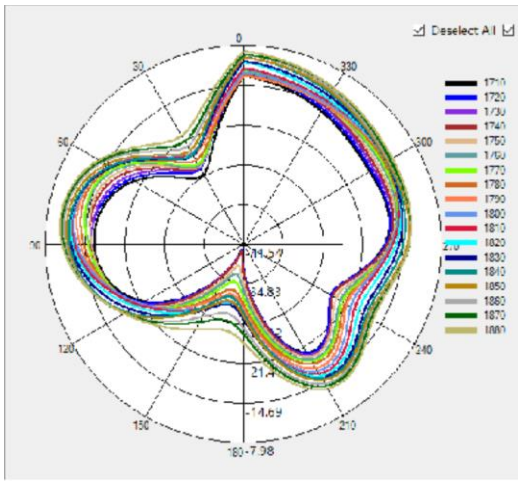




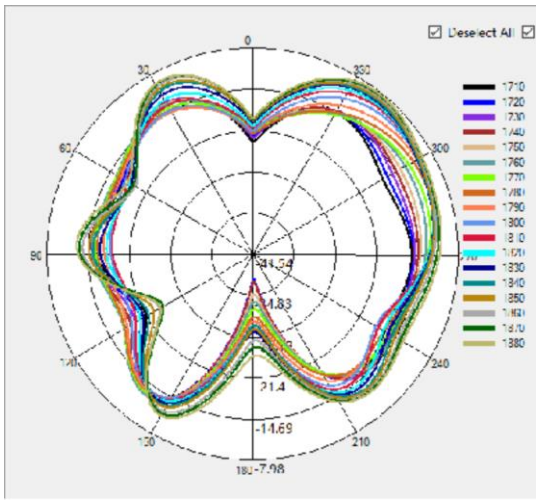
B2 Phi=0deg



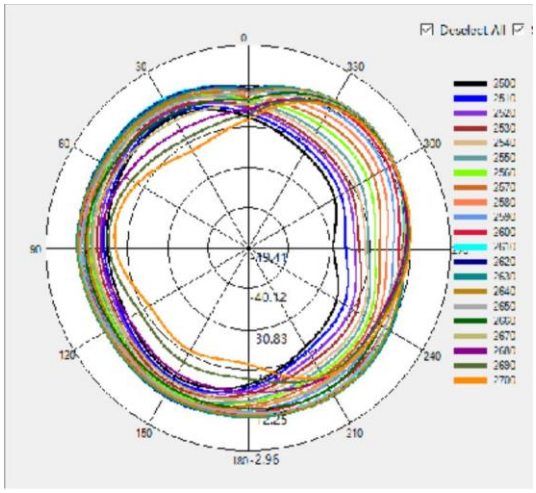
B3/B4/B66/N3/N66 Theta=90deg



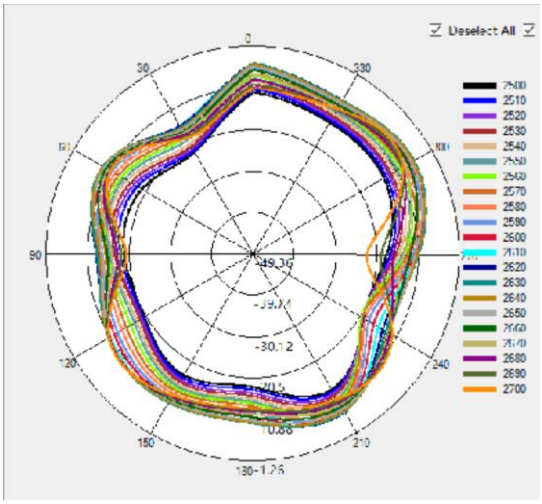
B3/B4/B66/N3/N66 Phi=0deg



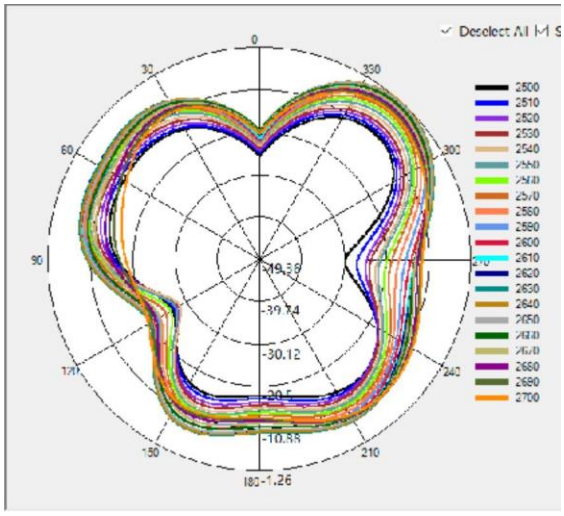
B3/B4/B66/N3/N66 Phi=90deg



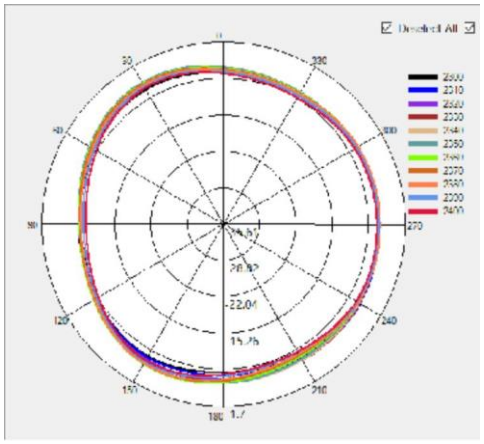
B7/N7 Theta=90deg



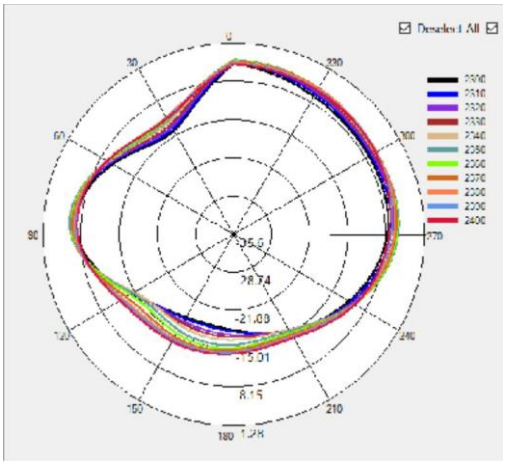
B7/N7 Phi=0deg



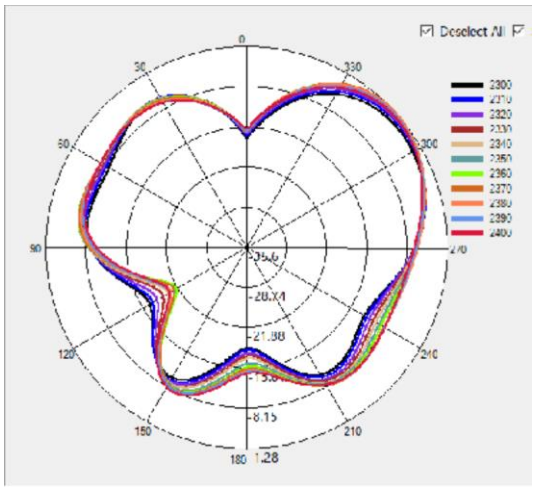
B7/N7 Phi=90deg



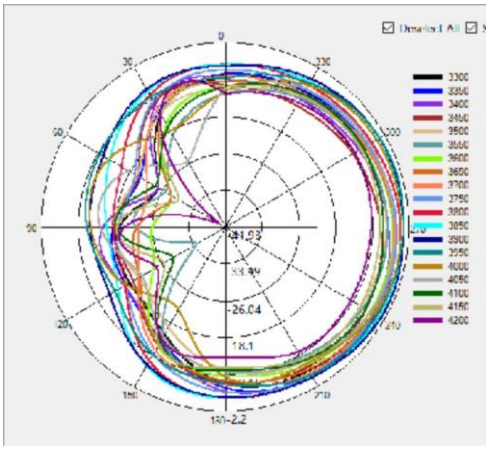
B40/N40 Theta=90deg



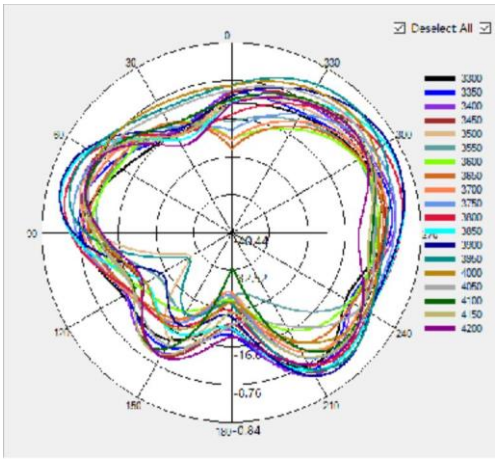
B40/N40 Phi=0deg



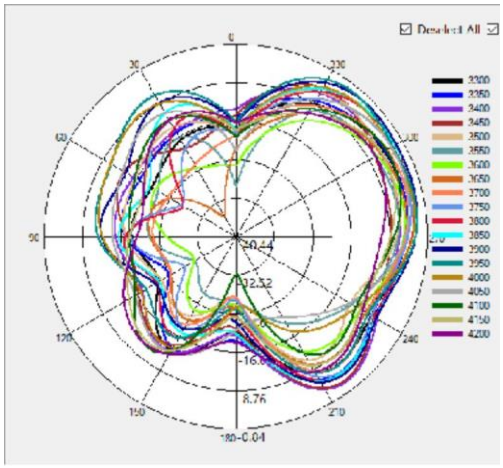
B40/N40 Phi=90deg



LTE B42/N77/N78 Theta=90deg



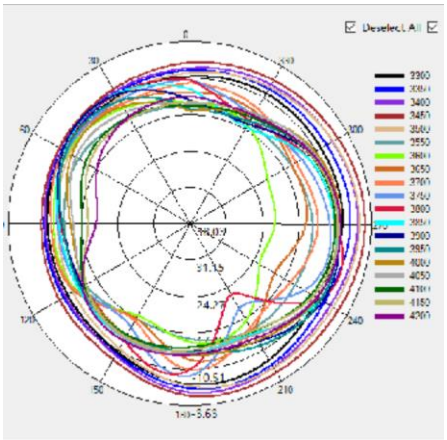
LTE B42/N77/N78 Phi=0deg



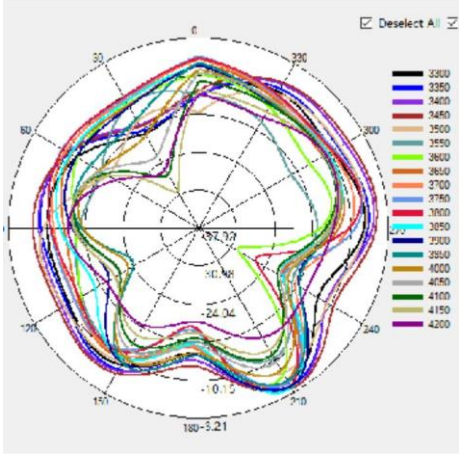
LTE B42/N77/N78 Phi=90deg

※ Antenna Gain

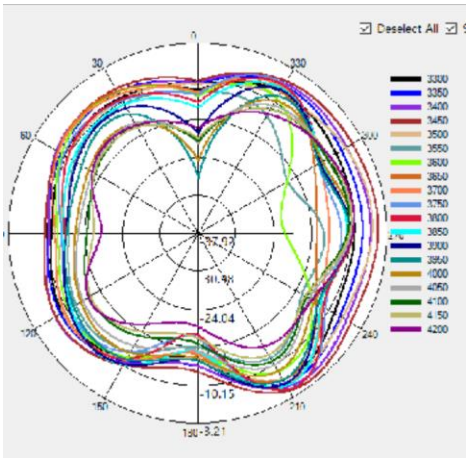
ANT4



N77/N78　　Theta=90deg



N77/N78　　Phi=0deg

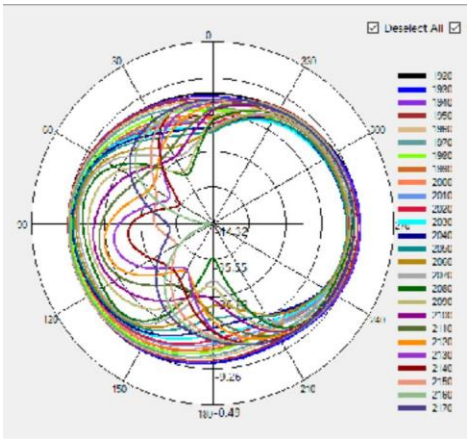


N77/N78　　Phi=90deg

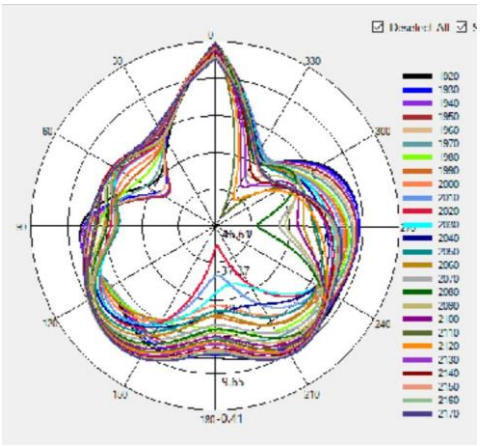
ANT5

※ Antenna Gain

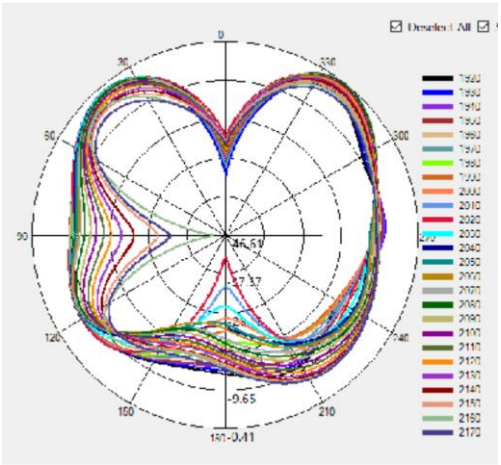
ANT5



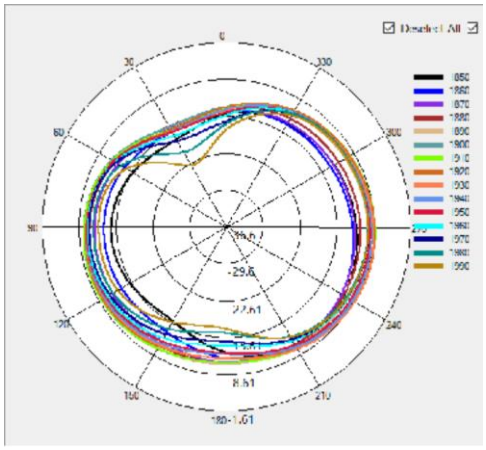
B1/N1 Theta=90deg



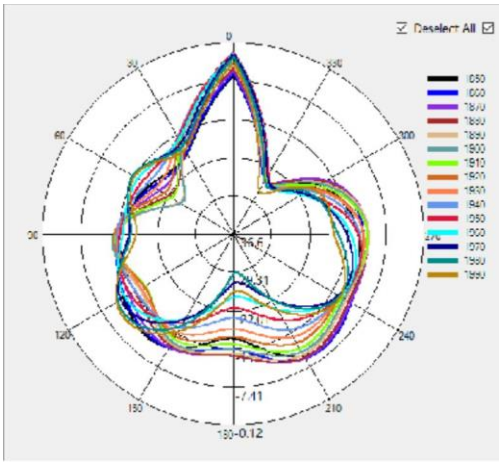
B1/N1 Phi=0deg



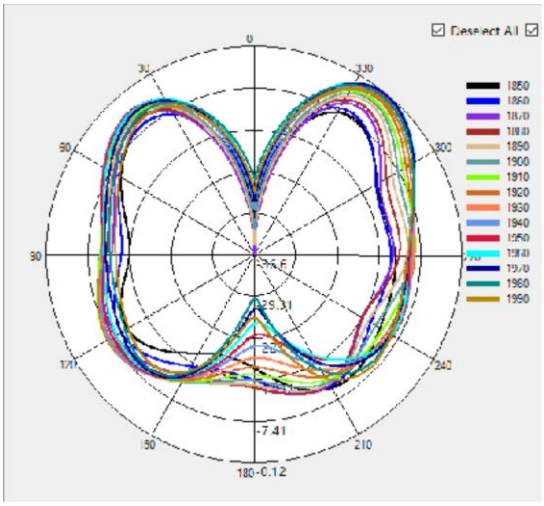
B1/N1 Phi=90deg



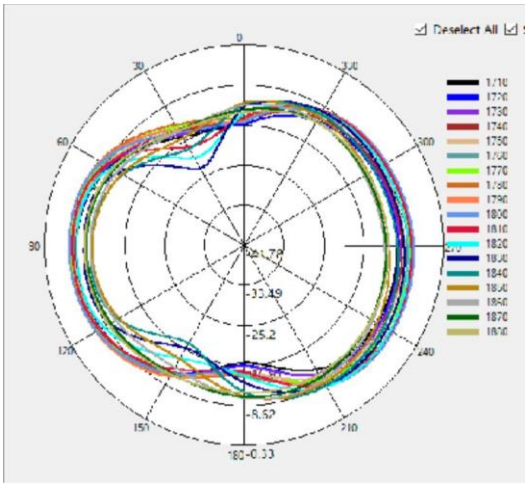
B2 Theta=90deg



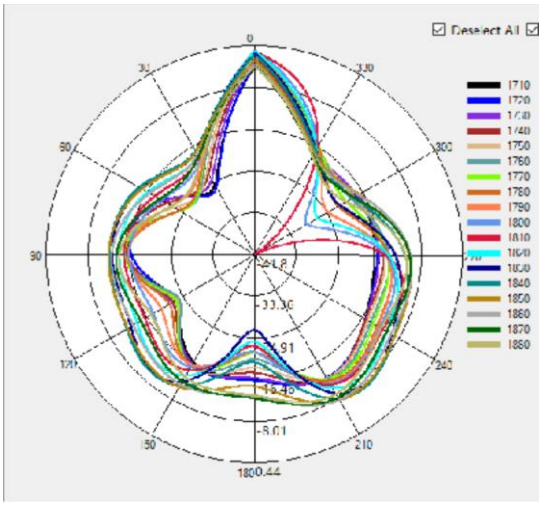
B2 Phi=0deg



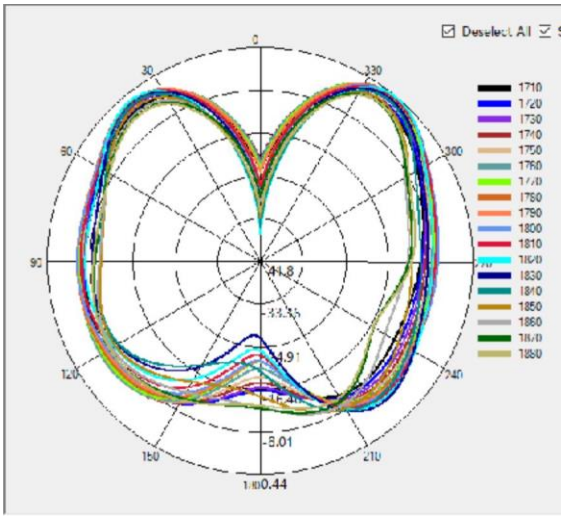
B2 Phi=90deg



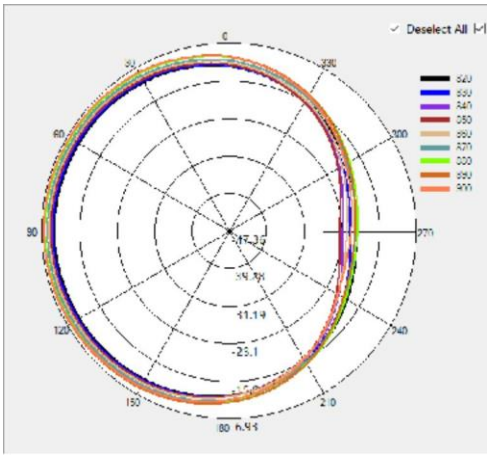
B3/B4/B66/N3/N66 Theta=90deg



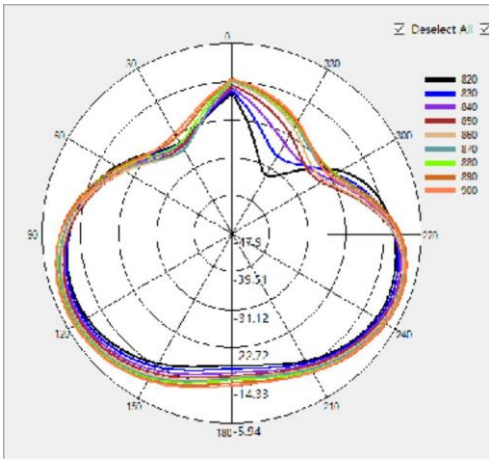
B3/B4/B66/N3/N66 Phi=0deg



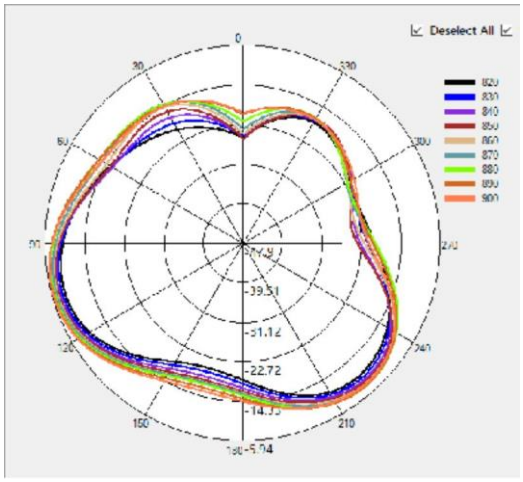
B3/B4/B66/N3/N66 Phi=90deg



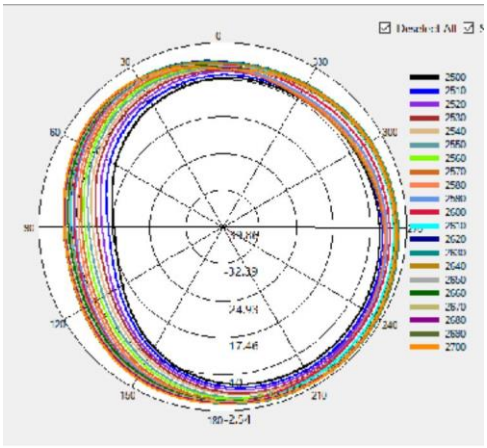
B5/B20/N5/N20 Theta=90deg



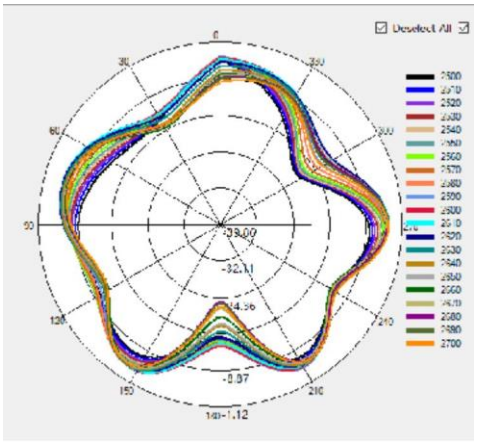
B5/B20/N5/N20 Phi=0deg



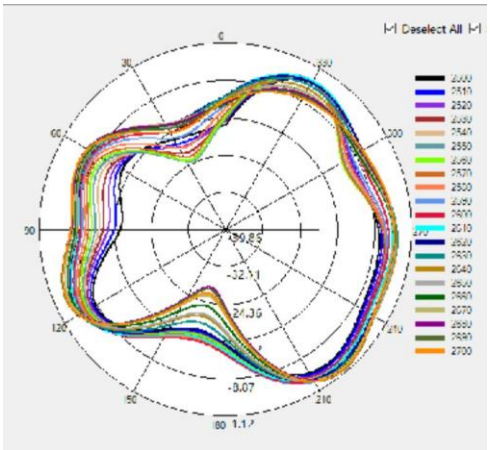
B5/B20/N5/N20 Phi=90deg



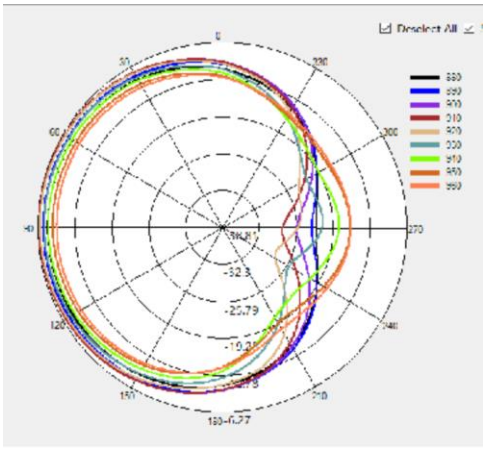
B7/N7 Theta=90deg



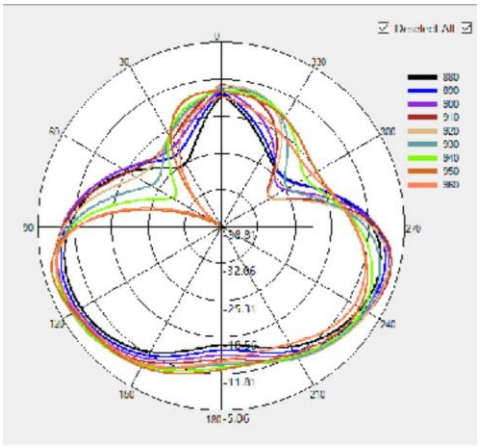
B7/N7 Phi=0deg



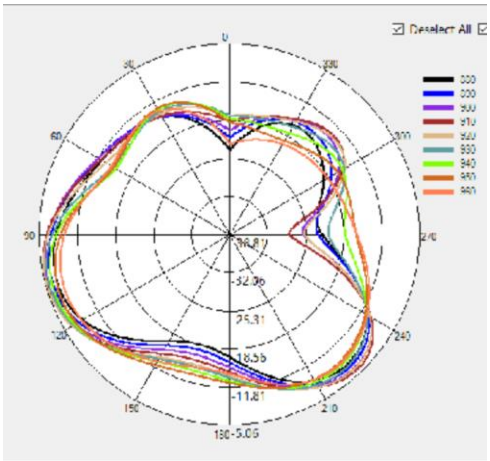
B7/N7 Phi=90deg



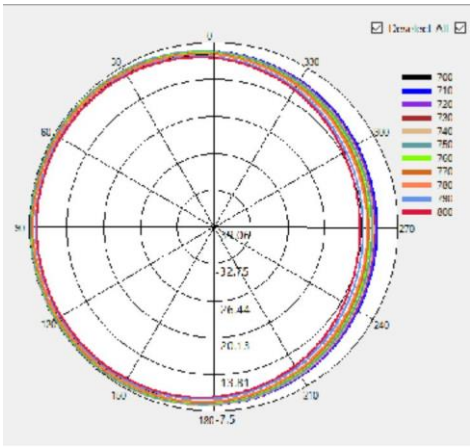
B8/N8 Theta=90deg



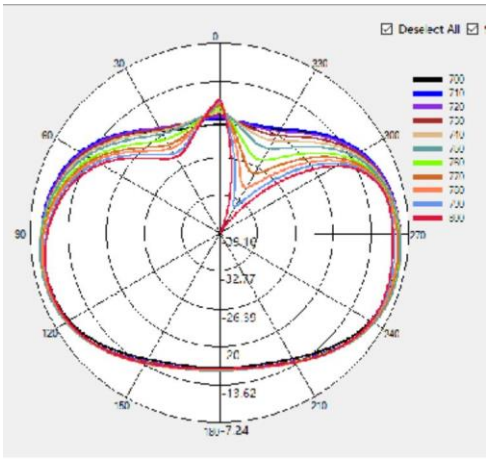
B8/N8 Phi=0deg



B8/N8 Phi=90deg



B12/13/17/28/N12/28 Theta=90deg



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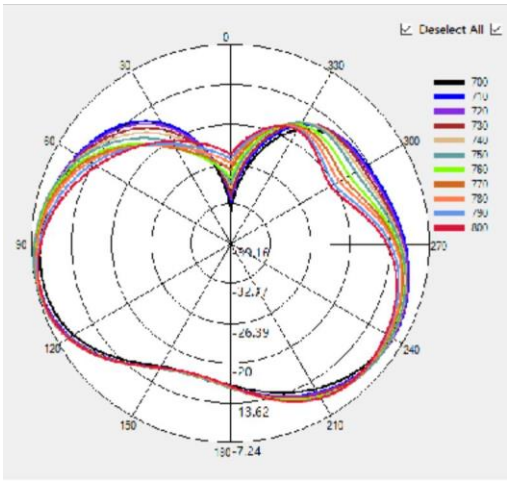
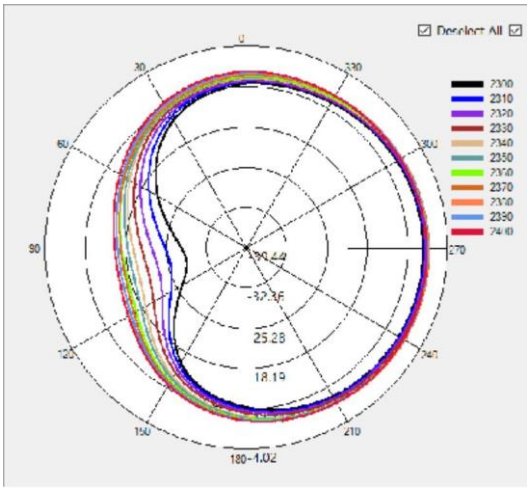
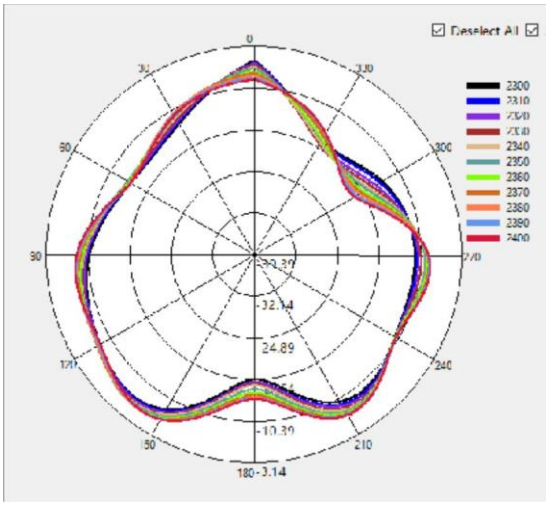


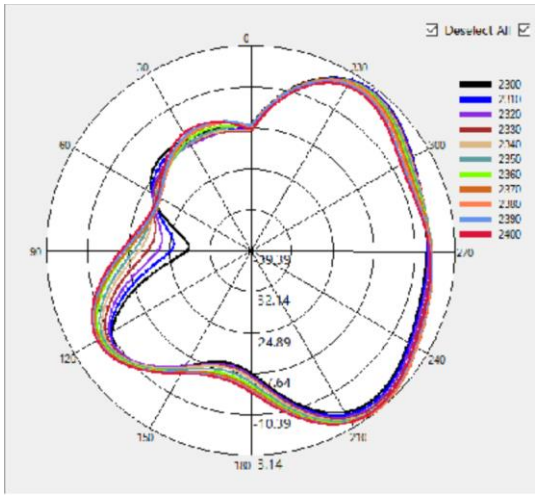
B12/13/17/28/N12/28 Phi=90deg



B40/N40 Theta=90deg



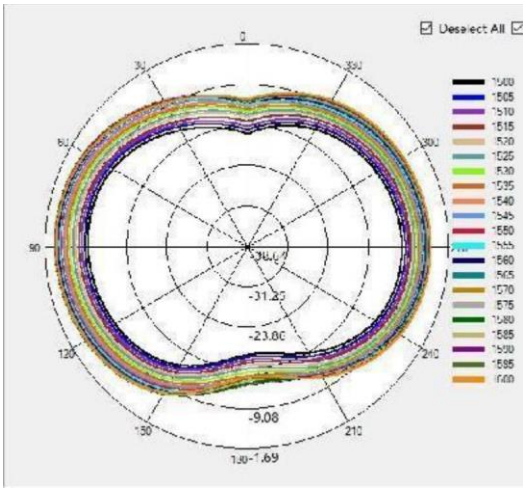
B40/N40 Phi=0deg



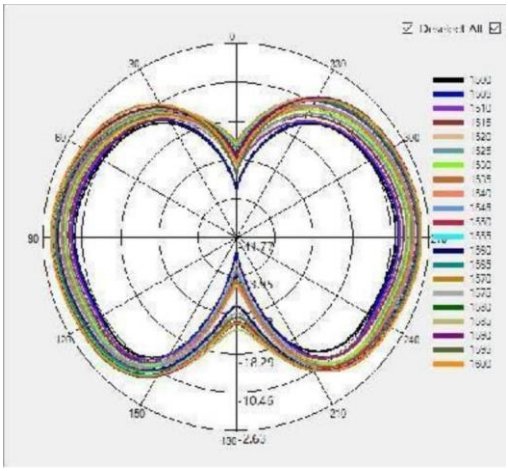
B40/N40 Phi=90deg

※ Antenna Gain

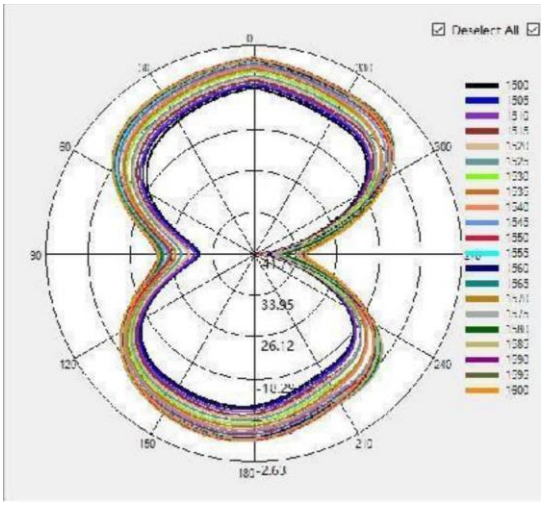
ANT6



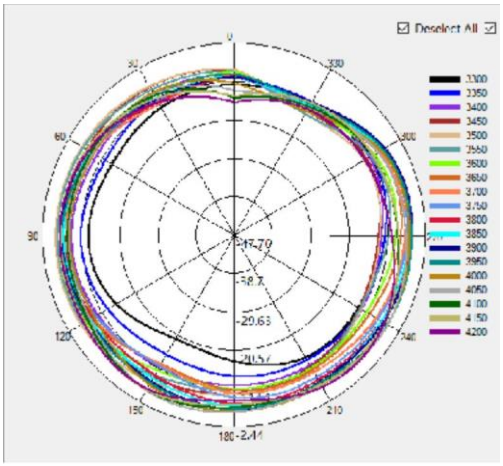
GPS Theta=90deg



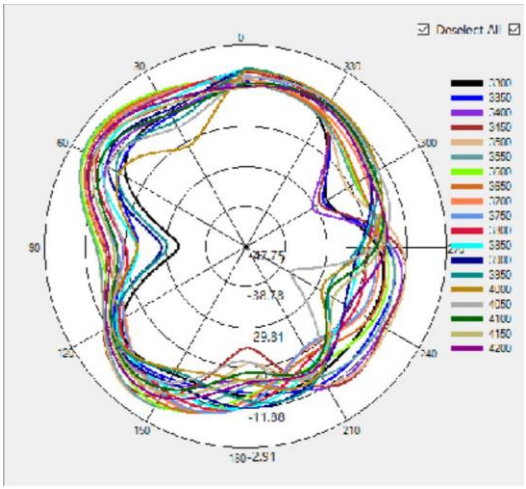
GPS Phi=0deg



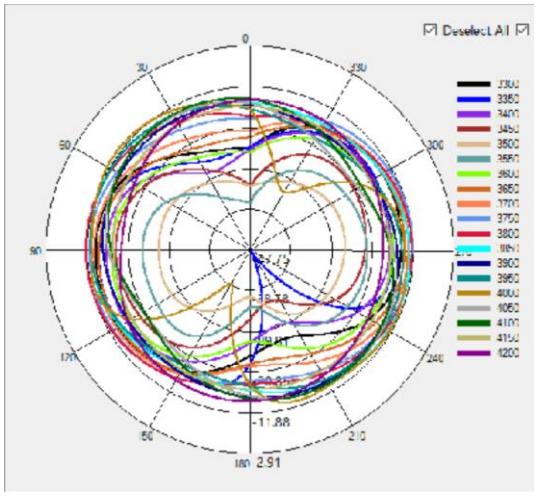
GPS Phi=90deg



NR N77/N78　Theta=90deg



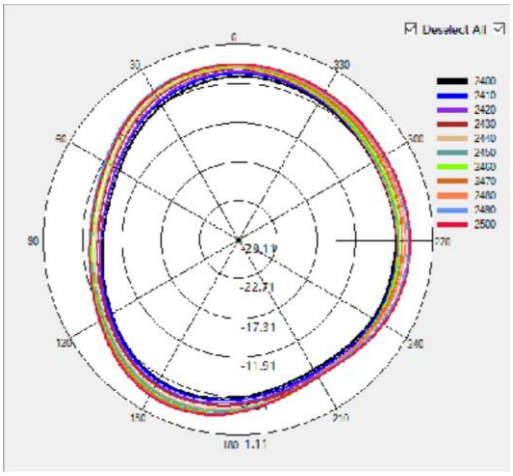
NRN77/N78　Phi=0deg



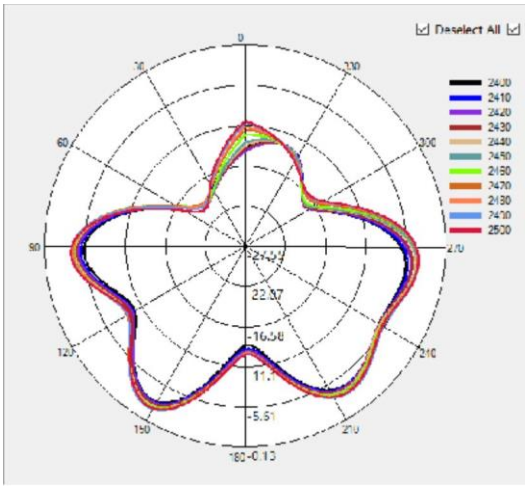
NRN77/N78　Phi=90deg

※ Antenna Gain

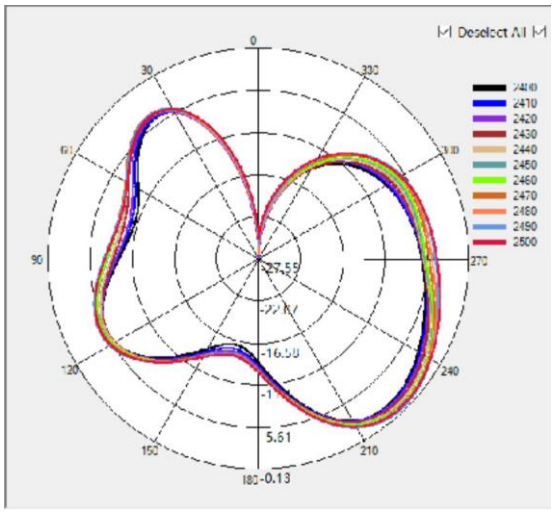
ANT12



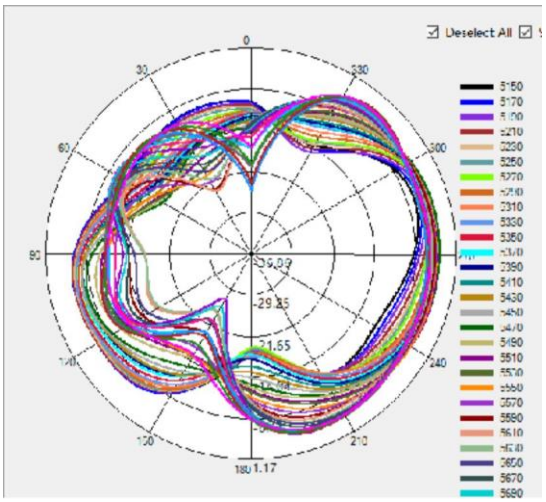
WIFI 2.4G Theta=90deg



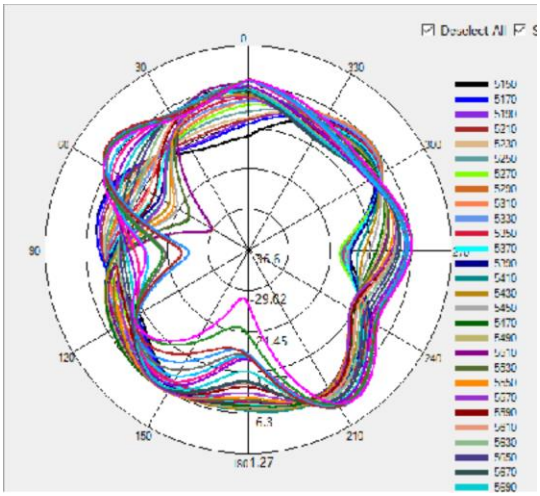
WIFI 2.4G Phi=0deg



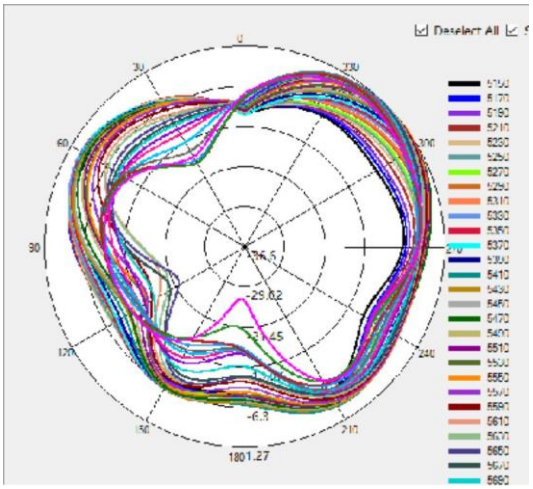
WIFI 2.4G Phi=90deg



WIFI 5G Theta=90deg



WIFI 5G Phi=0deg



WIFI 5G Phi=90deg

TRANSSION
传音控股

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
			DATE:	