

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/B13/B17/B28/B38/B40/B41/B42/B66

NR Mode N1/N3/N5/N7/N8/N12/N28/N38/N40/N41/N66/N77/N78

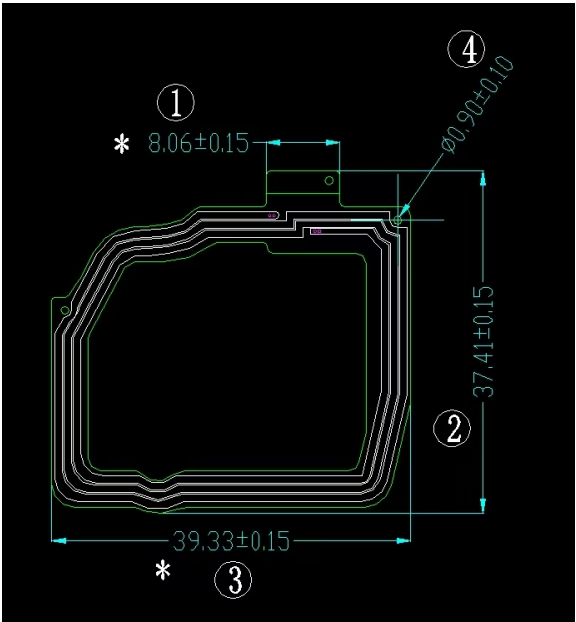
Name and address of the antenna manufacturer	Model number of the antenna
Sunnyway Technology (China) Co.,Ltd. 1F,Building 4,No.99,Lane 215,GaoGuang Road, QingPu District, 201702 Shanghai,China	SYC-KJ8-ANT1-XXXX SYC-KJ8-ANT2-XXXX ANT3-XXXX SYC-KJ8-ANT4-XXXX SYC-KJ8-ANT5-XXXX SYC-KJ8-ANT6-XXXX ANT7-XXXX ANT8-XXXX (XX:Version-Date)

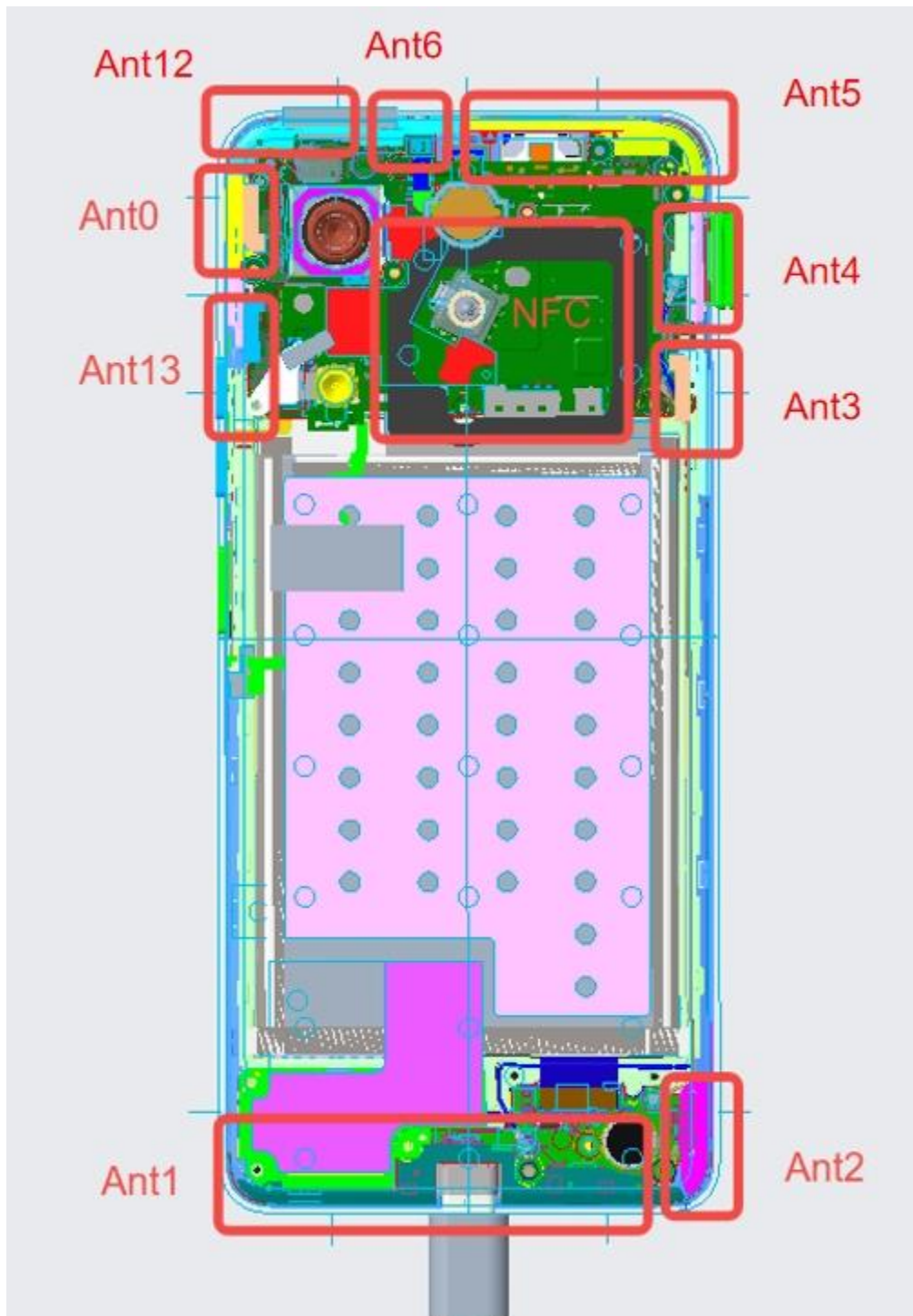
TYPE	
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5 NR n5: 824 - 849 MHz
	GSM 900/WCDMA B8/LTE B8 NR n8: 880 - 915 MHz
	DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: 1710 - 1785 MHz
	PCS/WCDMA B2/LTE B2:1850-1910MHz
	WCDMA B1/LTE B1 NR n1: 1920 - 1980MHz
	LTE B7 NR n7:2496-2565MHz
	LTE B40 NR n40:2300-2400MHz
	LTE B38/B41 NR n38/n41:2565-2645MHz

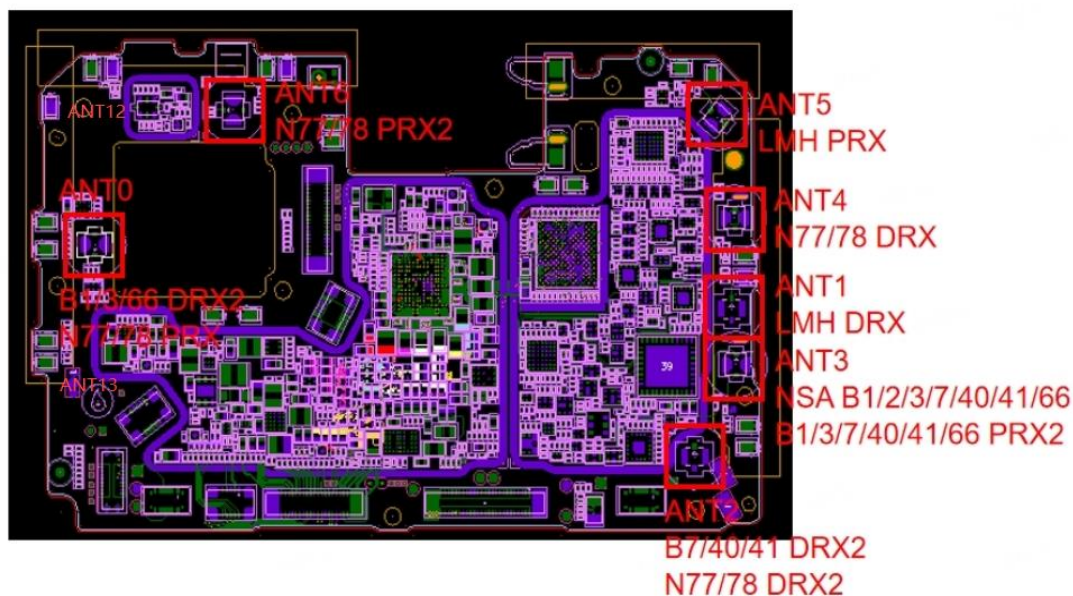
		LTE B13 :777-787MHz
		LTE B12/B17/B28 NR n12/n28:710-755MHz
		NR n77/n78 LTE B42:3300-4200MHz
Receiver Frequency		GSM 850/WCDMA B5/LTE B5 NR n5: 869 - 894 MHz
		GSM 900/WCDMA B8/LTE B8 NR n8: 925 - 960 MHz
		DCS/LTE B3/B66 NR n3/n66: 1805 - 1880 MHz
		WCDMA 4/LTE B4 NR n4: 2110-2155 MHz
		PCS/WCDMA B2/LTE B2:1930-1990MHz
		WCDMA B1/LTE B1 NR n1: 2110 - 2170MHz
		LTE B7 NR n7:2620-2690MHz
		LTE B40 NR n40:2300-2400MHz
		LTE B38/41 NR n38/n41:2565-2645MHz
		LTE B13:746-756MHz
		LTE B12/B17/B28 NR n12/n28:758-803MHz
		NR n77/n78 LTE B42:3300-4200MHz
		GSM850/900: 32+/-2dBm
		DCS/PCS: 30+/-2dBm
RF-Output Power (E.I.R.P)		LTE B1/B2/B3/ B4/B5 /B7/B8/B12/B13/B17/B28/B38/B40/B41/B42/B66: 23+/-2dBm
		WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm
		GSM 850/WCDMA B5/LTE B5 NR n5: -4.95dBi
		GSM 900/WCDMA B8/LTE B8 NR n8: -4.25dBi
Antenna Gain	ANT5	DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: -3.23dBi
		PCS/WCDMA B2/LTE B2: -3.39dBi
		WCDMA B1/LTE B1 NR n1: -2.48dBi
		LTE B7/B38/B41 NR n7/n38/n41:-1.12 dBi
		LTE B40 NR n40: -1.19 dBi
		LTE B13:-6.29dBi
		LTE B12/B17/B28 NR n12/n28:-7.25dBi
		N77/N78 LTE B42:-3.60dBi
		B1:-6.45dBi
	ANT3	B3:-7.06dBi
		B7/B38/B40/B41:-5.25dBi

	ANT12	GPS(L1):-3.29dBi
		WIFI 2.4G/BT:-1.87dBi 5G: -3.18dBi
	ANT13	WIFI 2.4G/BT:-4.52dBi
		GPS(L5):
Type of Modulation		

NFC antenna



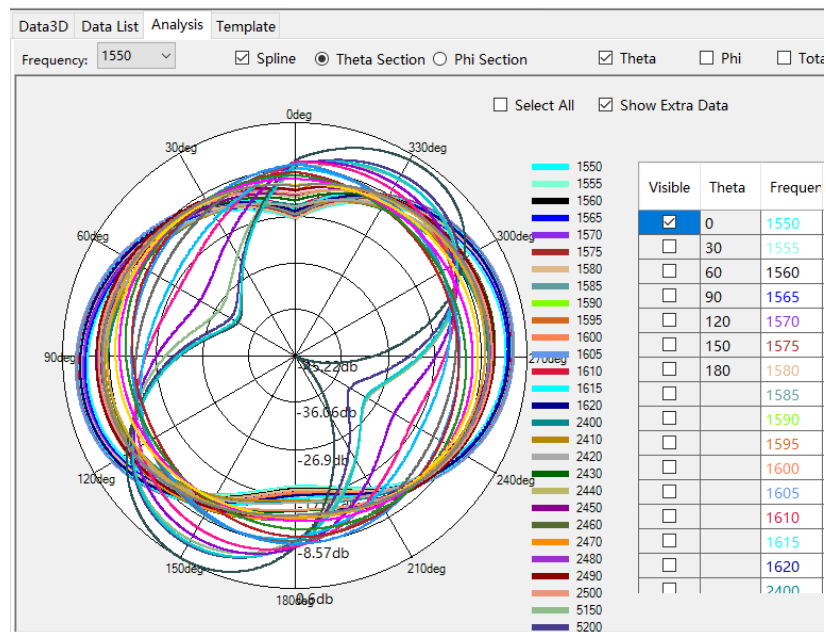




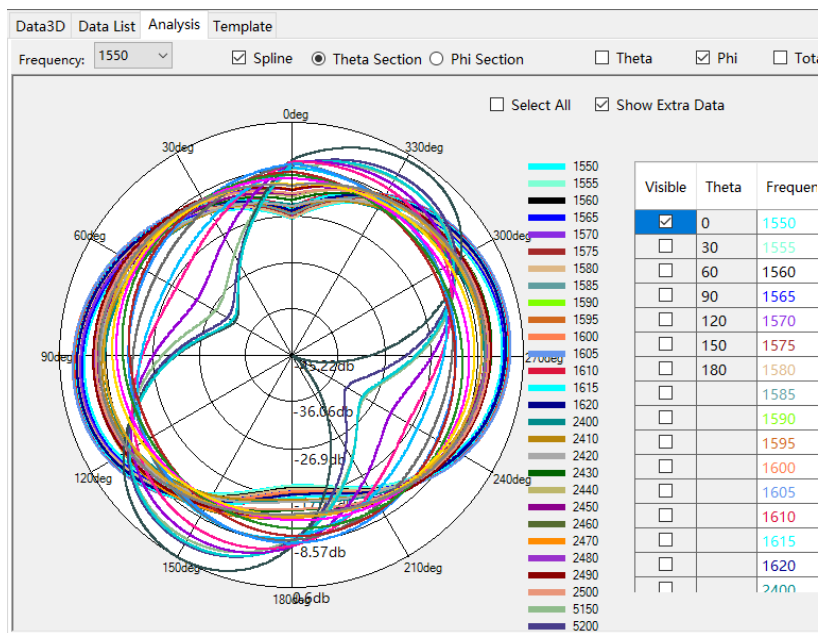
Antenna	Support Band
Ant 0	B1/B3/B4/B66/B42/n77/n78
Ant 1	2G:B2 3 5 8 3G:B1/2/4/5/8 4G:B1/2/3/4/5/7/8/12/13/17/28/66/B38/40/41 Sub 6G:n1/n3/n5/n7/n8/n28/n66/n38/n40/n41
Ant 2	B42/ N7/N38/N40/n41/n77/n78
Ant 3	B1/3/B4/B7/B66/B38/B40/B41
Ant 4	B42/N77/N78
Ant 5	2G:B2 3 5 8 3G:B1/2/4/5/8 4G:B1/2/3/4/5/7/8/12/13/17/28/66/B38/40/41 Sub 6G:n1/n3/n5/n7/n8/n28/n66/n38/n40/n41
Ant 6	B42/n77/n78
Ant 12	2.4G/5G-L1-BT4.2
Ant 13	2.4G-BT4.2

※ Antenna Gain

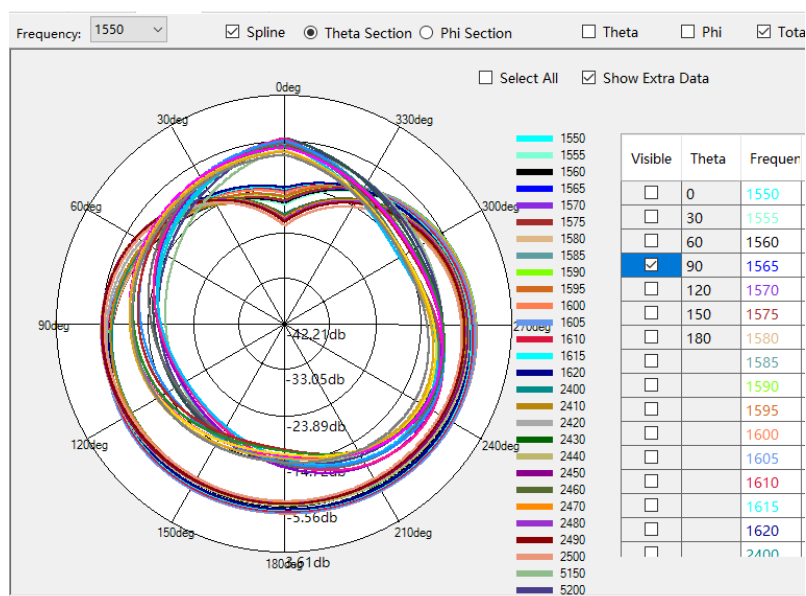
ANT12



GPS&2.4G WIFI&BT; 5G WIFI Phi=0deg



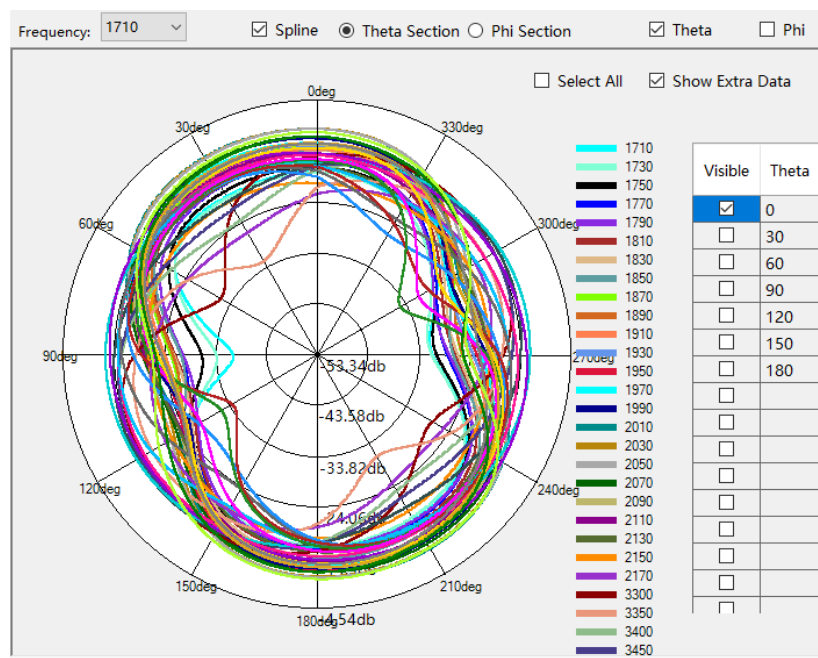
GPS&2.4G WIFI&BT; 5G WIFI Phi=90deg



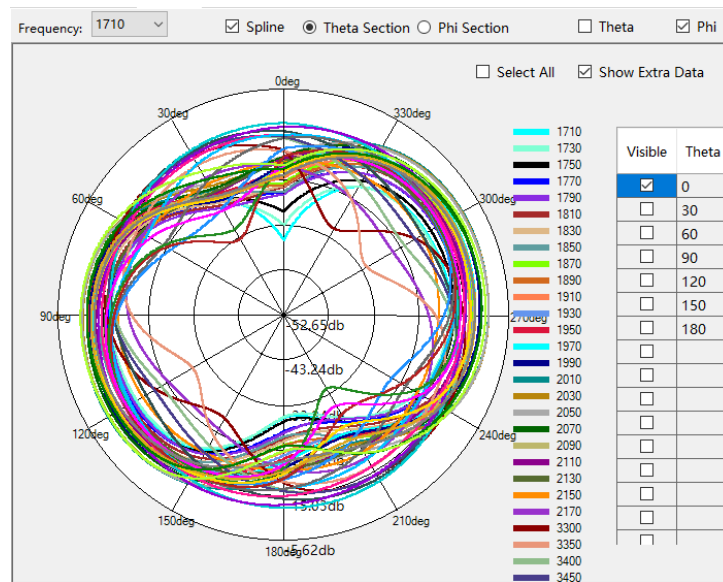
GPS&2.4G WIFI&BT; 5G WIFI Theta=90deg

※ Antenna Gain

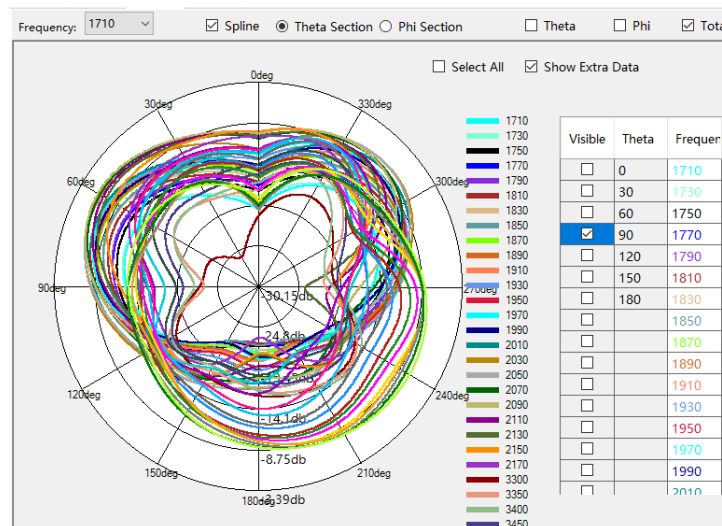
ANTO



n77/78/B42 Phi=0deg

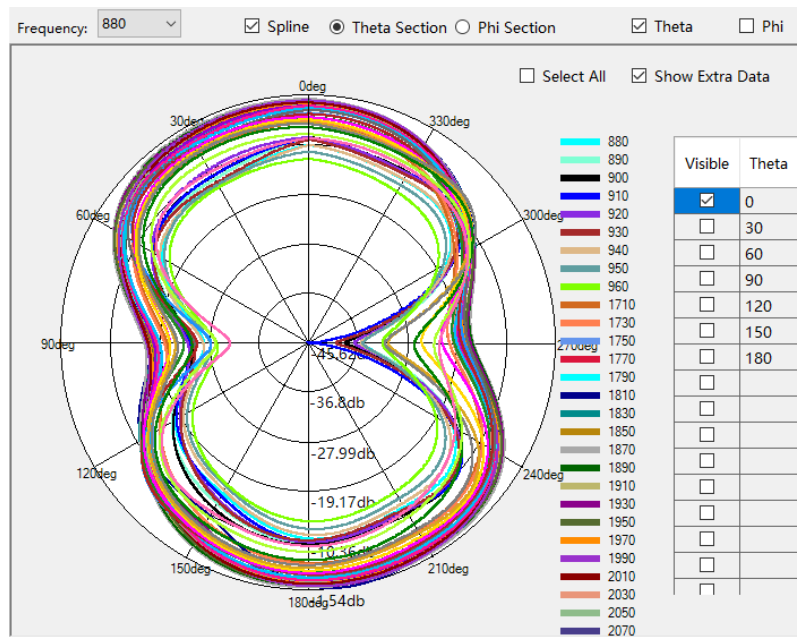


n77/78/B42 Phi=90deg

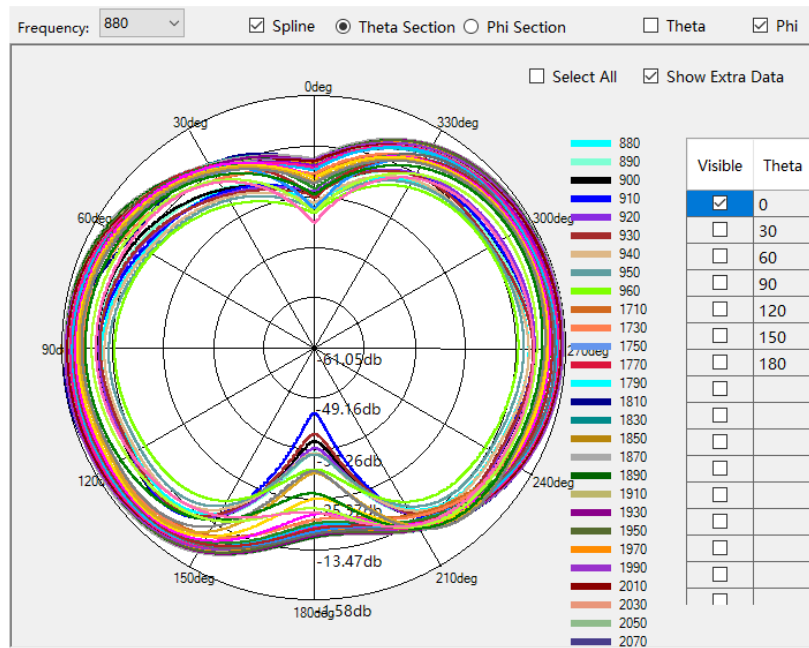


n77/78/B42 Theta=90deg

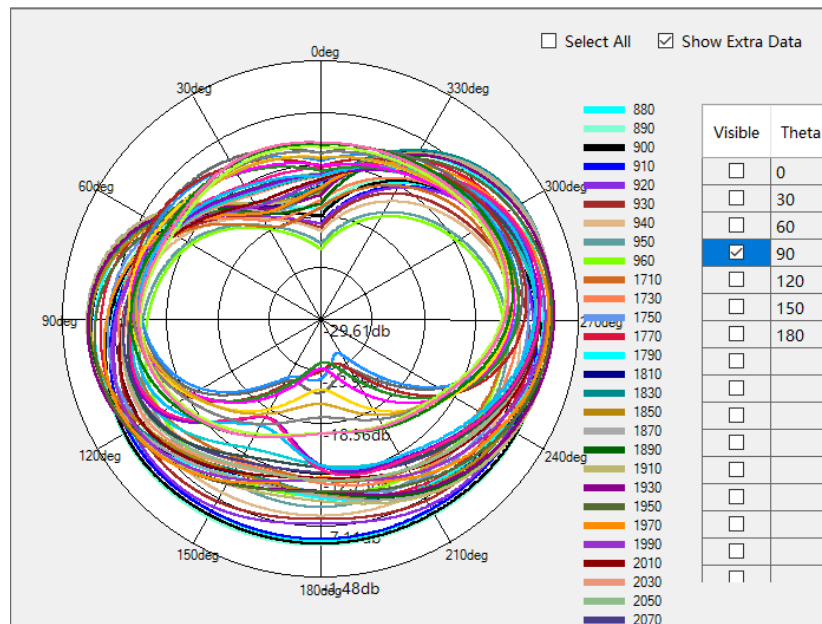
ANT5



GSM/900/1800/1900 / WCDMA/B1/2/4/8 / LTE /B8/B2/3/4/7/41/38 NR n1/n2/n3/n4/n7/n8/38/41
Phi=0deg



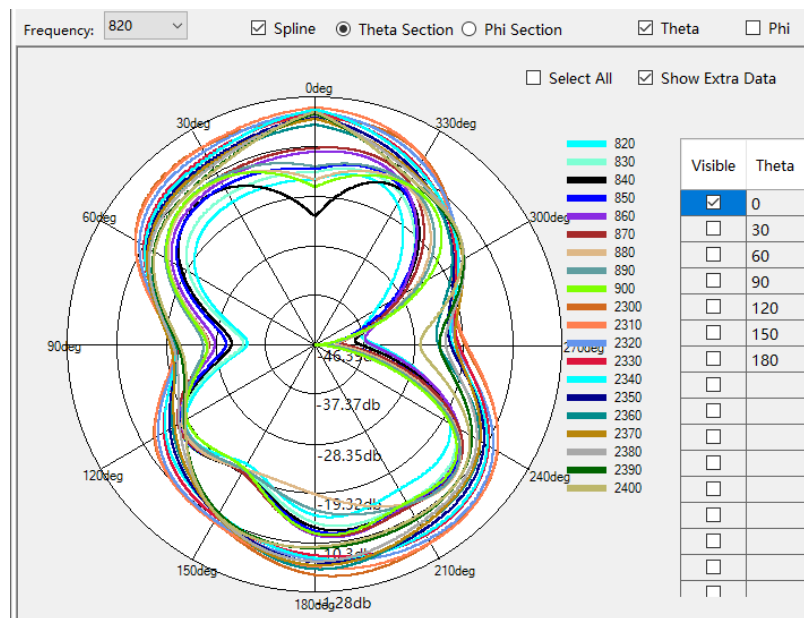
GSM/900/1800/1900 / WCDMA/B1/2/4/8 / LTE /B8/B2/3/4/7/41/38 NR n1/n2/n3/n4/n7/n8/38/41
Phi=0deg



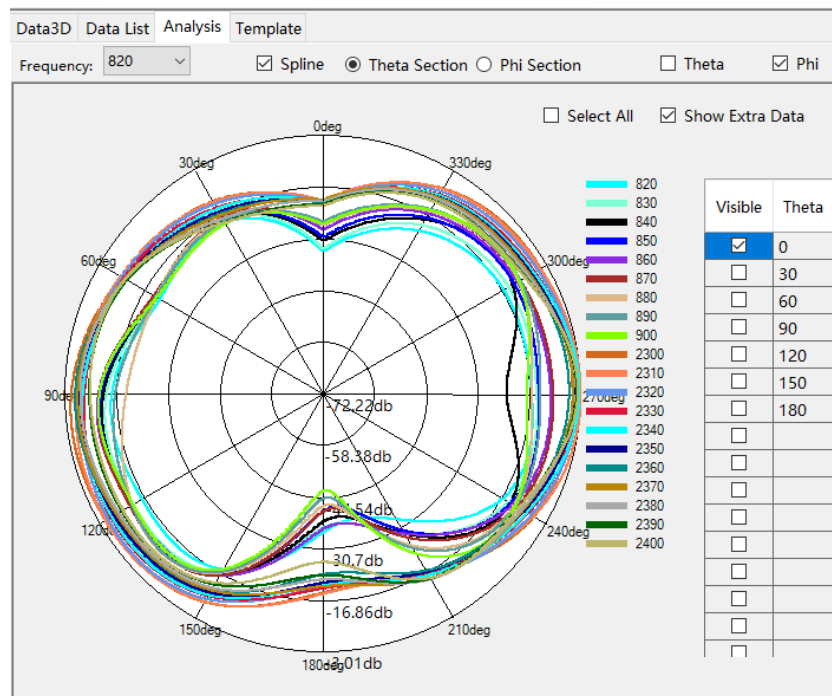
GSM/900/1800/1900 / WCDMA/B1/2/4/8 / LTE /B8/B2/3/4/7/41/38 NR n1/n2/n3/n4/n7/n8/38/41
Theta=90deg

※ Antenna Gain

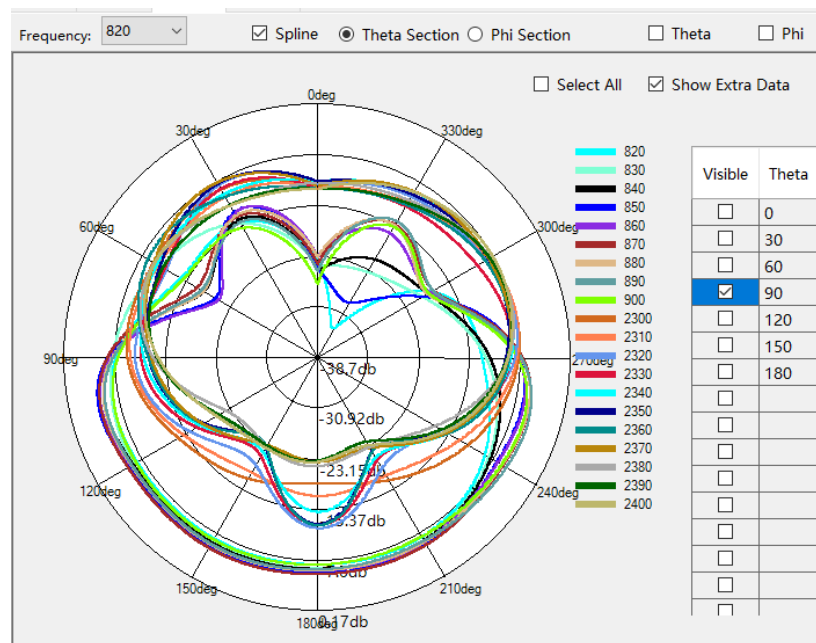
ANT5



GSM850/WCDMA B5/ LTE B5/40 NR n5/n40 Phi=0deg



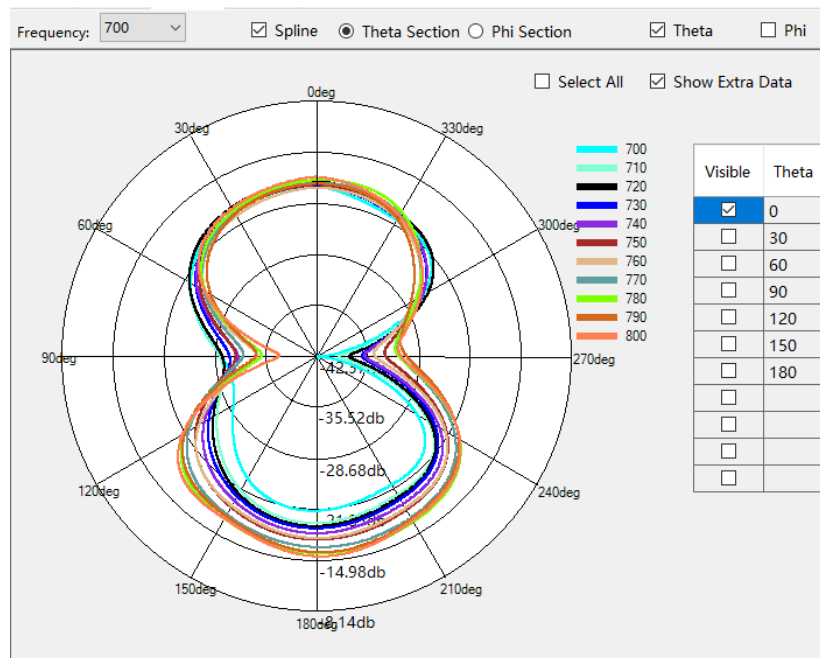
GSM850/WCDMA B5/ LTE B5/40 NR n5/n40 Phi=0deg



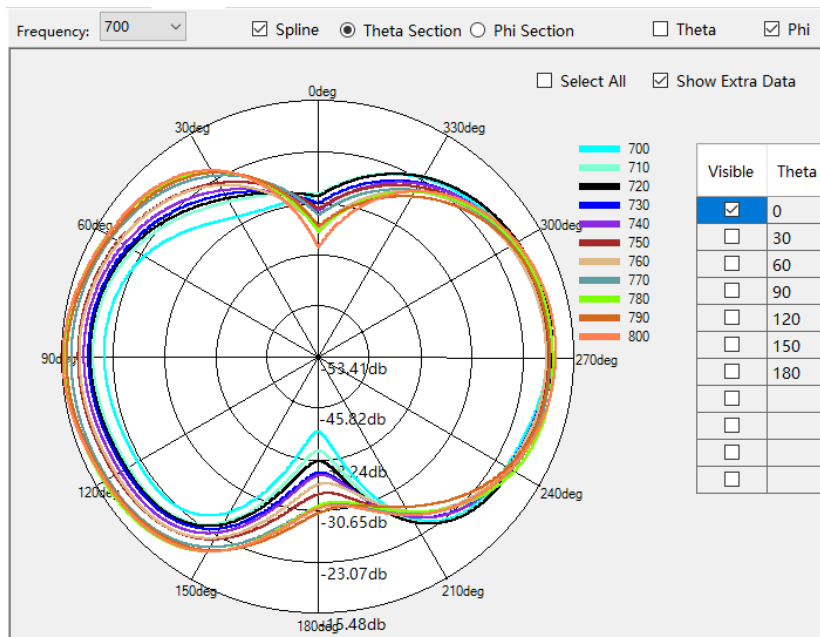
GSM850/WCDMA B5/ LTE B5/40 NR n5/n40 Theta=90deg

※ Antenna Gain

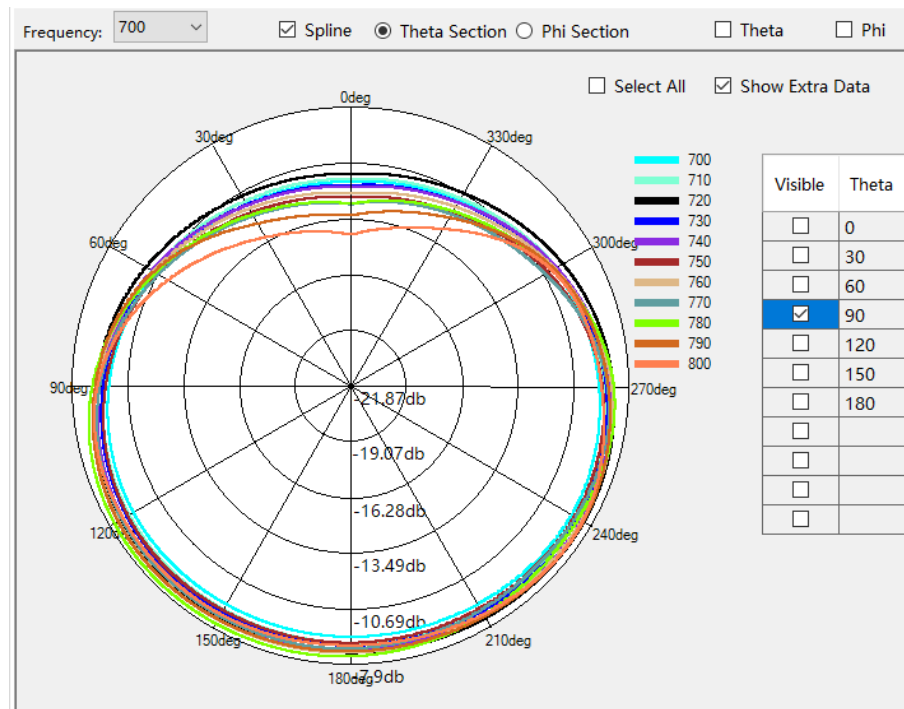
ANT5



LTE B12/17/28 NR n12/n17/n28 Phi=0deg



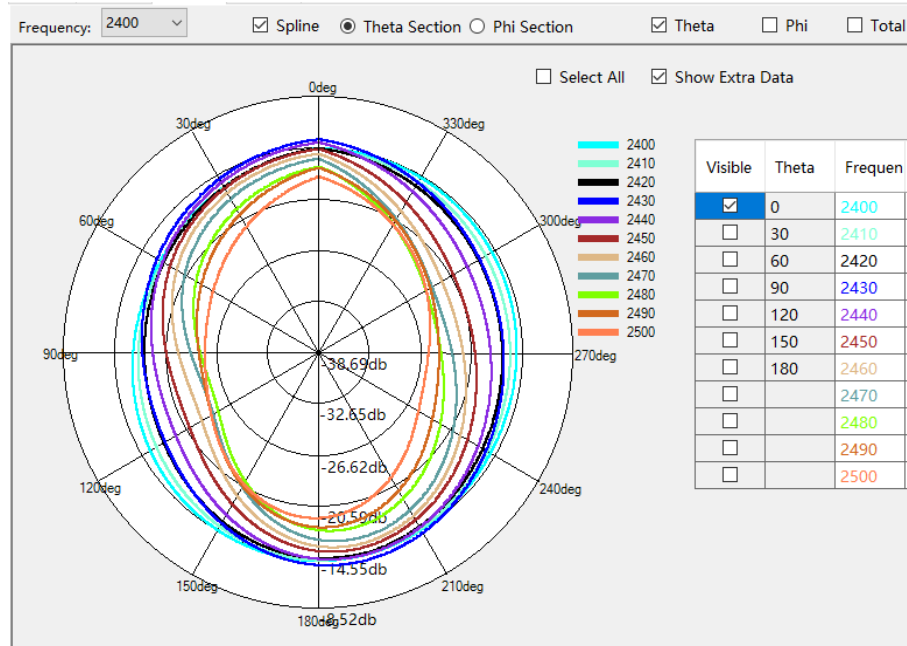
LTE B12/17/28 NR n12/n17/n28 Phi=0deg



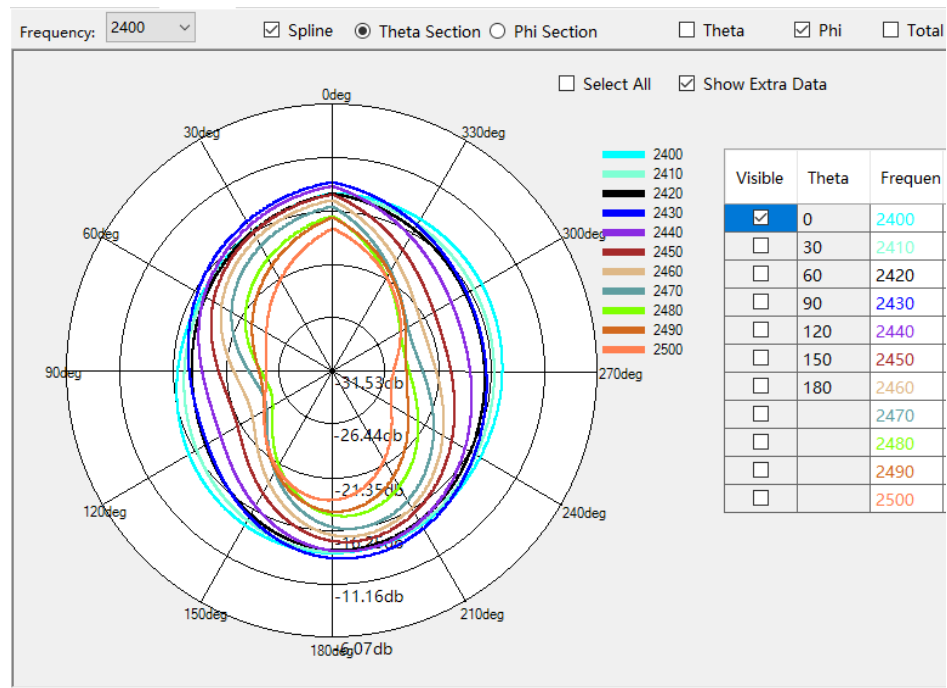
LTE B12/17/28 NR n12/n17/n28 Theta=90deg

※ Antenna Gain

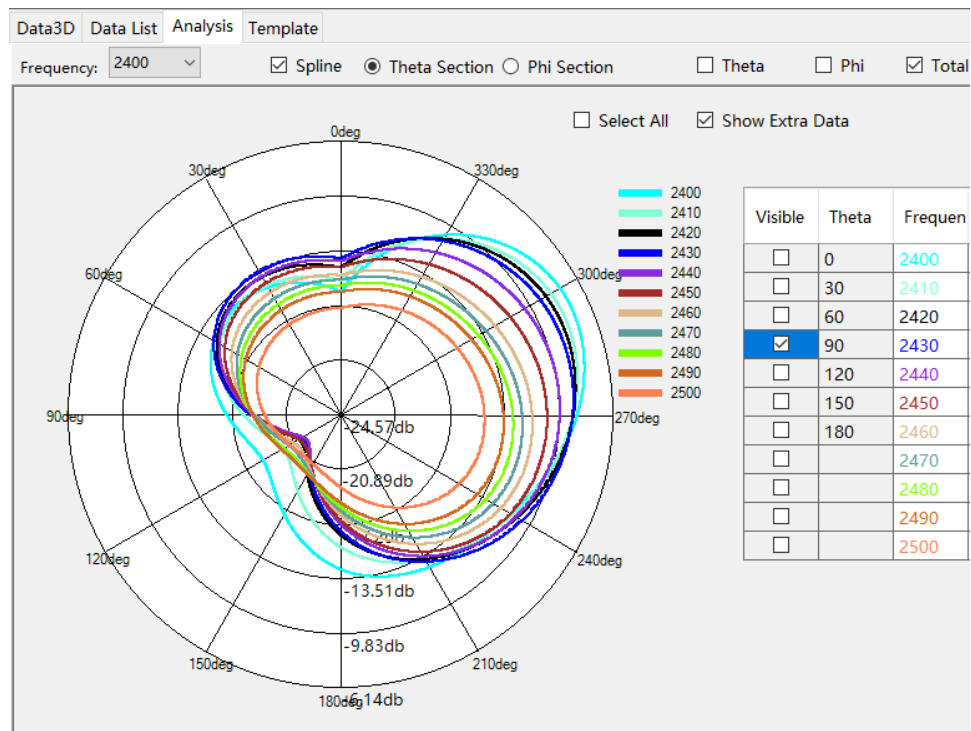
ANT13



2.4G WIFI&BT Phi=0deg



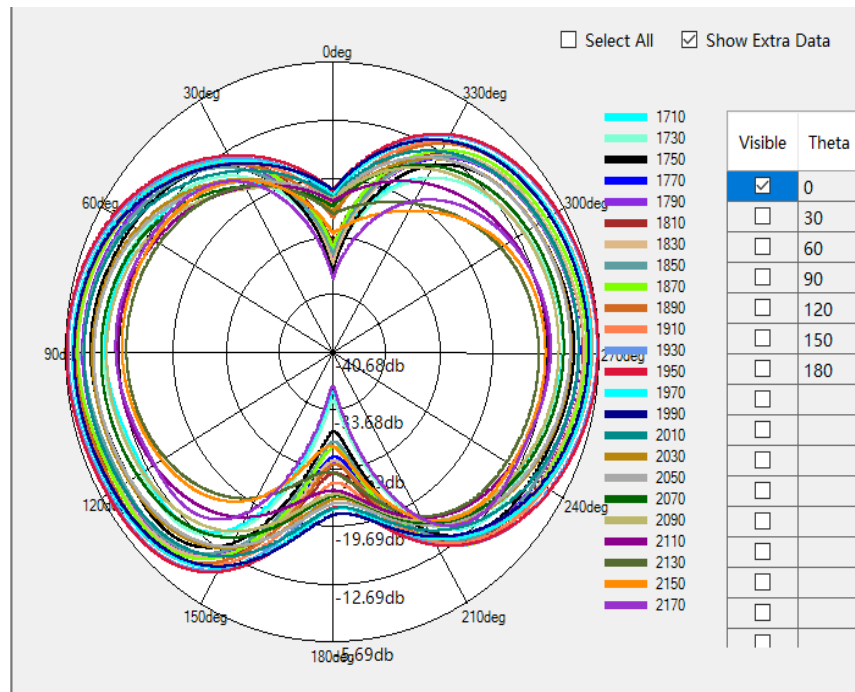
2.4G WIFI&BT; Phi=90deg



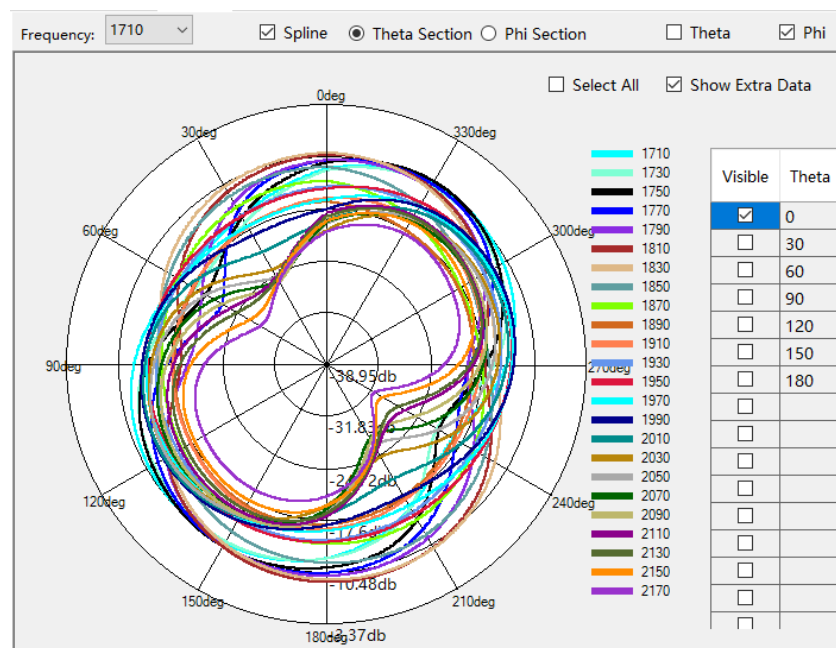
2.4G WIFI&BT; Theta=90deg

※ Antenna Gain

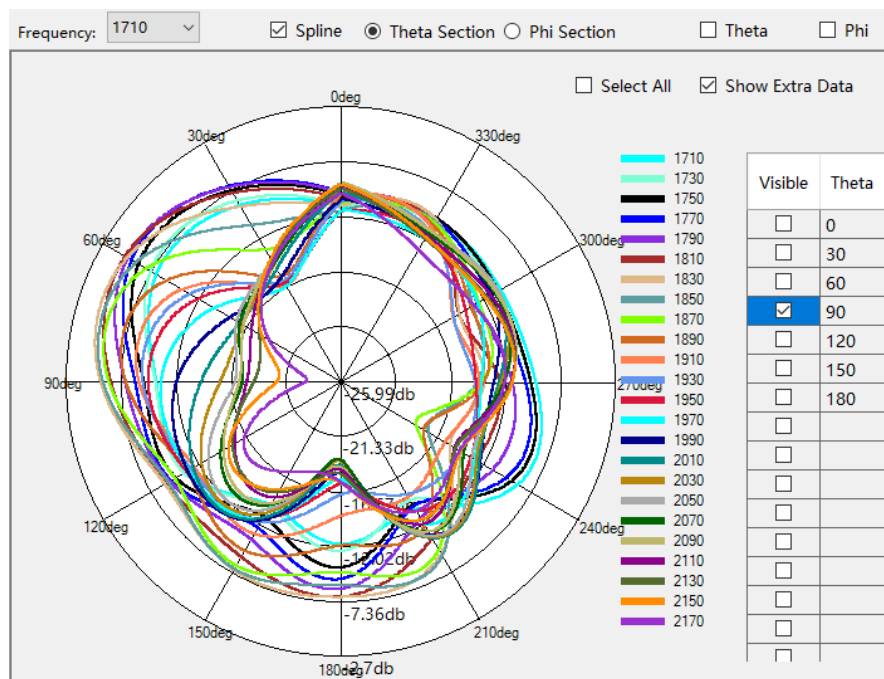
ANT3



LTE B1/3/4/66 Phi=0deg



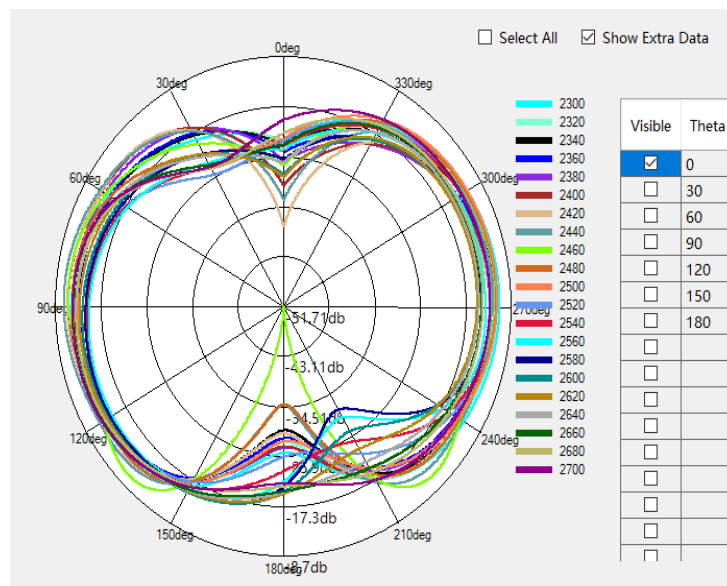
LTE B1/3/4/66 Phi=90deg



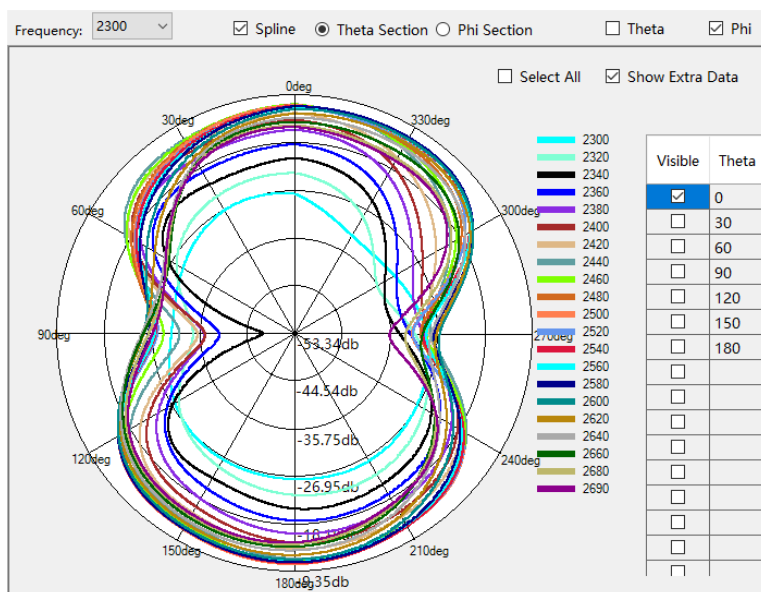
LTE B1/3/4/66 Theta=90deg

※ Antenna Gain

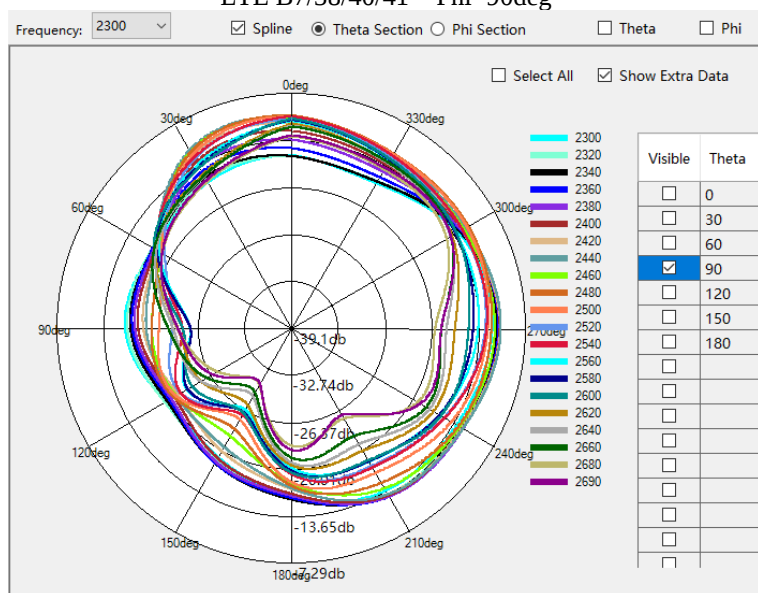
ANT3



LTE B7/38/40/41 Phi=0deg



LTE B7/38/40/41 Phi=90deg



LTE B7/38/40/41 Theta=90deg

※ Antenna Gain

※ Antenna Gain

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
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			DATE:	2024/09/27
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