

Feature

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

Main Antenna

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/B66
- NR Mode N1/N3/N5/N7/N8/N12/N20/N28/N38/N40/N41/N66/N77/N78

communication applications

项目	Name and address of the antenna manufacturer	Model number of the antenna
X6711	浙江海通通讯电子股份有限公司上海分公司 上海市浦东新区秀浦路 2555 号 C5 栋 1 楼	X6711-ANT0-HT-XX-XX X6711-ANT1-HT-XX-XX X6711-ANT2-HT-XX-XX X6711-ANT3-HT-XX-XX X6711-ANT4-HT-XX-XX X6711-ANT5-HT-XX-XX X6711-ANT6-HT-XX-XX X6711-ANT7-HT-XX-XX (XX:Version-Date)

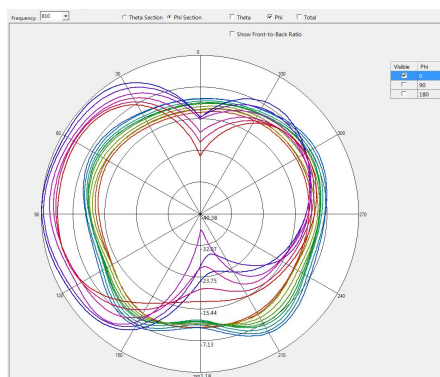
TYPE	
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5 NR n5: 824 – 849 MHz
	GSM 900/WCDMA B8/LTE B8 NR n8: 880 – 915 MHz
	DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: 1710 – 1785 MHz
	PCS/WCDMA B2/LTE B2:1850-1910MHz
	WCDMA B1/LTE B1 NR n1: 1920 – 1980MHz
	LTE B7 NR n7:2496-2565MHz
	LTE B40 NR n40:2300-2400MHz
	LTE B38/B41 NR n38/n41:2565-2645MHz
	LTE B20 NR n20:832-862MHz
	LTE B12/B17/B28 NR n12/n28:710-755MHz
Receiver Frequency	NR n77/n78:3300-4200MHz
	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
RF-Output Power (E.I.R.P)	LTE B20 NR n20:791-821MHz
	LTE B12/B17/B28 NR n12/n28:758-803MHz
	NR n77/n78:3300-4200MHz
	GSM850/900: 32+/-2dBm
	DCS/PCS: 30+/-2dBm
	LTE B1/B2/B3/ B4/B5 /B7/B8/B17/B20/B28/B38/B40/B41/B66: 23+/-2dBm
RF-Output Power (E.I.R.P)	WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm
	NR N1/N3/N5/N7/N8/N12/N20/N28/N38/N40/N66 : 23+/-2dBm
	NR N41/N77/N78: 26+/-2dBm

Antenna Gain ##增益报告内需要把所有 TX 天线的增益值都填写## Type of Modulation	ANT0	GSM 850/WCDMA B5/LTE B5 NR n5:-1.45
		GSM 900/WCDMA B8/LTE B8/NR n8: -1.41
		DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: -1.2
		PCS/WCDMA B2/LTE B2:-1.0
		WCDMA B1/LTE B1 NR n1: -0.75
		LTE B7/B38/B41 NR n7/n38/n41: -0.38
		LTE B40 NR n40: -0.36
		LTE B20 NR n20:-1.6
		LTE B12/B17/B28 NR n12/n28:-1.65
	ANT4	NR n77/n78: -2.3
	ANT5(ENDC)	B1:-5.5
		B3/B7/B38/B41:-4.7
		B40:-3.1
	ANT6	WIFI 2.4G:-2.2
		WIFI 5G: -0.52
	ANT7	WIFI 2.4G: -3.7
		GPS(L1):-0.42

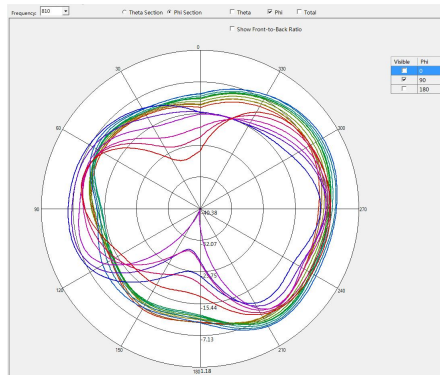
※ Antenna Gain

##填写增益图时，需要与上表所填增益值对应，对应频段所填的值不能超过增益图的增益范围，例如，下图增益范围为-15 到 0dBi 左右，增益值填写不能超过这个范围##

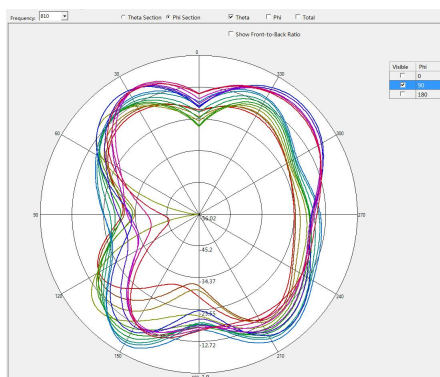
ANT0 ##天线序号与天线增益图频段对应##



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



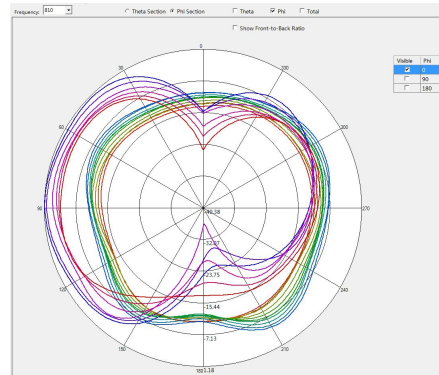
GSM850 / WCDMA B5 / LTE B5/B20 Phi=90deg



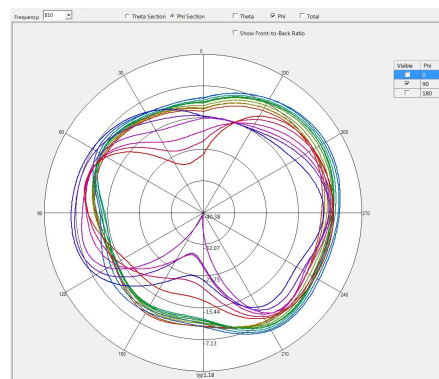
GSM850 / WCDMA B5 / LTE B5/B20 Theta=90deg

※ Antenna Gain

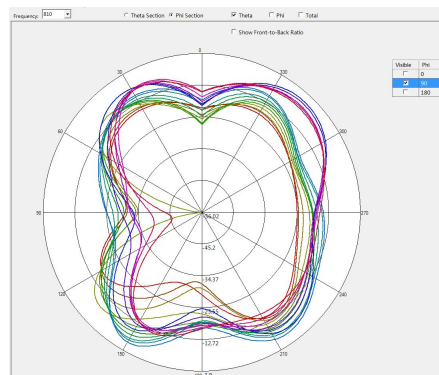
ANT0



LTE B40 Phi=0deg



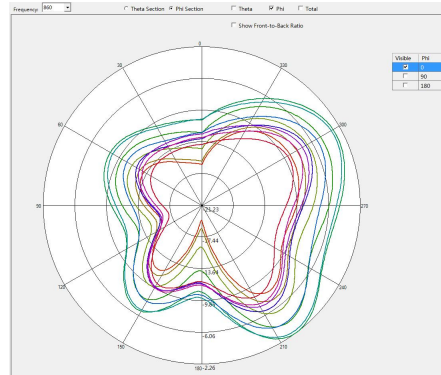
LTE B40 Phi=90deg



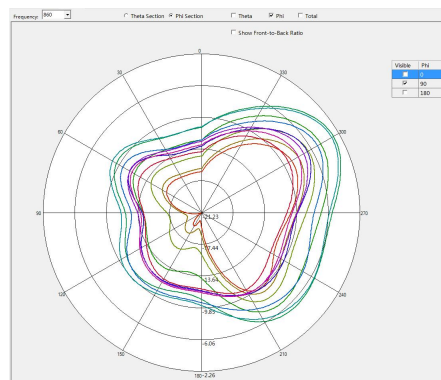
LTE B40 Theta=90deg

※ Antenna Gain

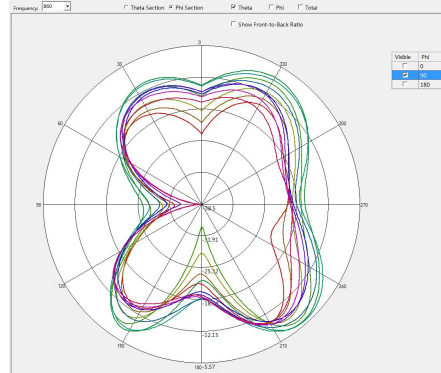
ANT0



GSM900 / WCDMA B8 / LTE B8 Phi=0deg



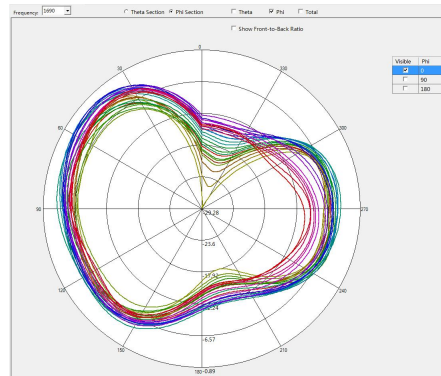
GSM900 / WCDMA B8 / LTE B8 Phi=90deg



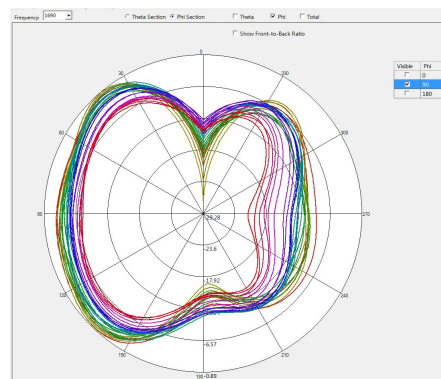
GSM900 / WCDMA B8 / LTE B8 Theta=90deg

※ Antenna Gain

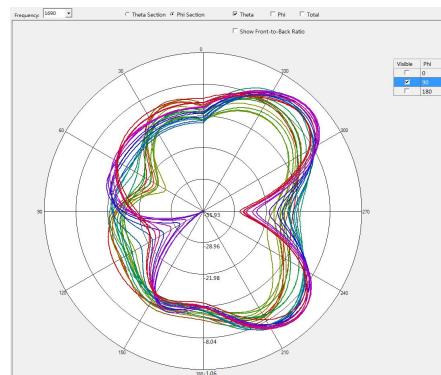
ANT0



DCS1800/PCS1900/WCDMA B1/B2/B4/ LTE B1/B2/B3/B4 Phi=0deg



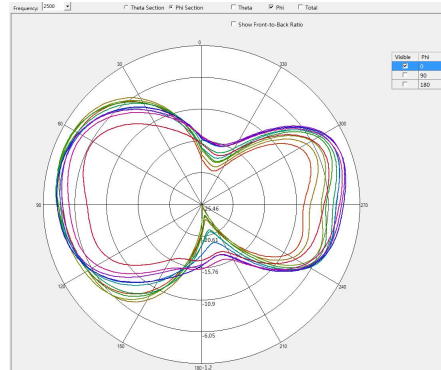
DCS1800/PCS1900/WCDMA B1/B2/B4/ LTE B1/B2/B3/B4 Phi=90deg



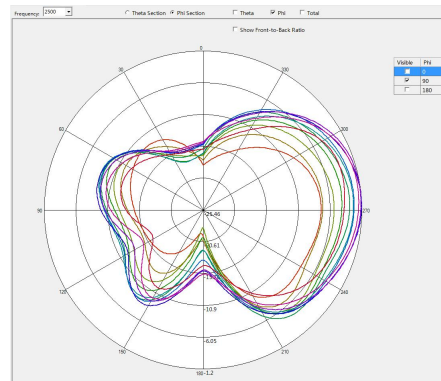
DCS1800/PCS1900/WCDMA B1/B2/B4/ LTE B1/B2/B3/B4 Theta=90deg

※ Antenna Gain

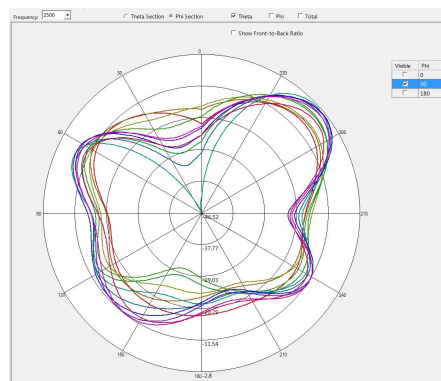
ANT0



LTE B7/B38/41 Phi=0deg



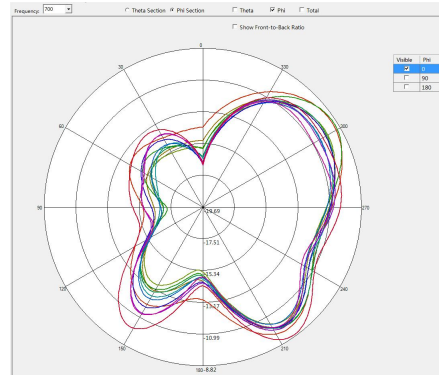
LTE B7/B38/41 Phi=90deg



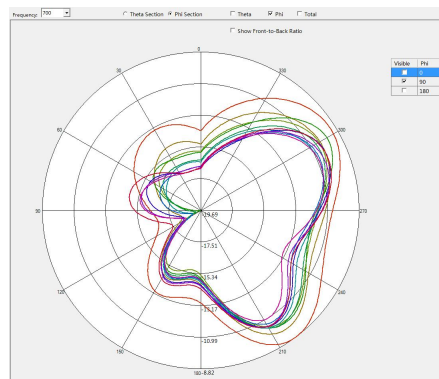
LTE B7/B38/41 Theta=90deg

※ Antenna Gain

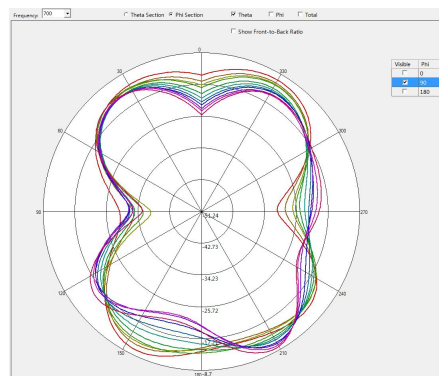
ANT0



LTE B28/12/17 Phi=0deg



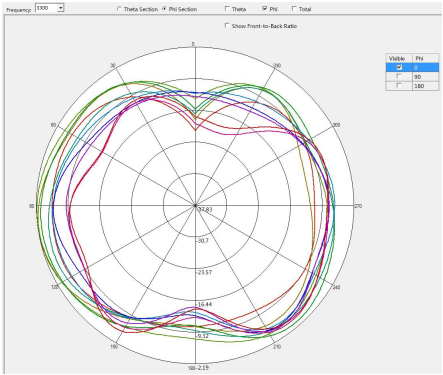
LTE B28/12/17 Phi=90deg



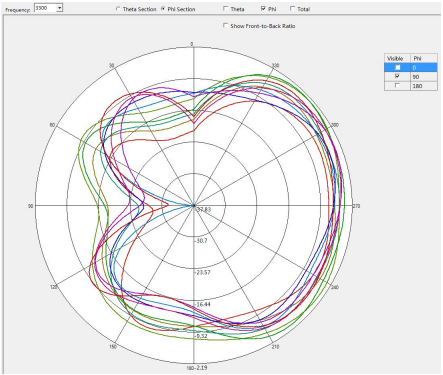
LTE B28/12/17 Theta=90deg

※ Antenna Gain

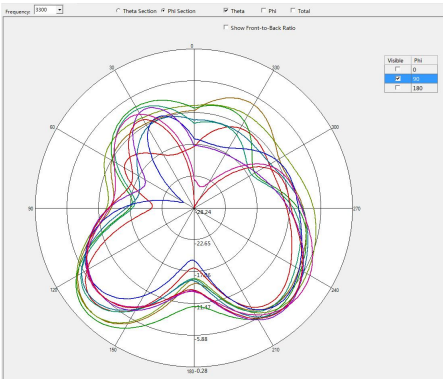
ANT4



N77/78 Phi=0deg



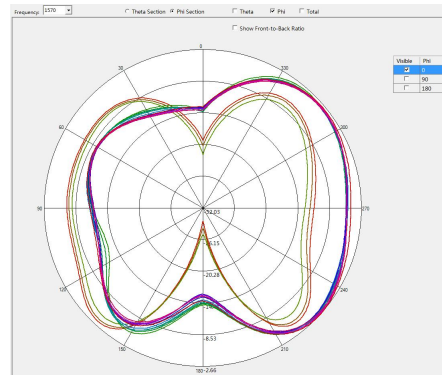
N77/78 Phi=90deg



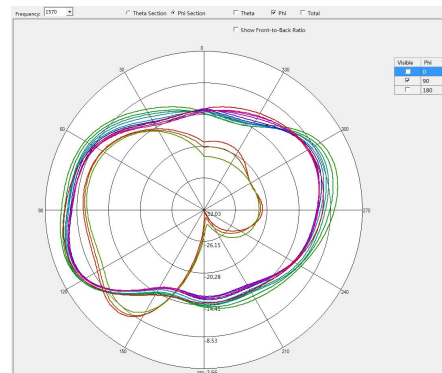
N77/78 Theta=90deg

※ Antenna Gain

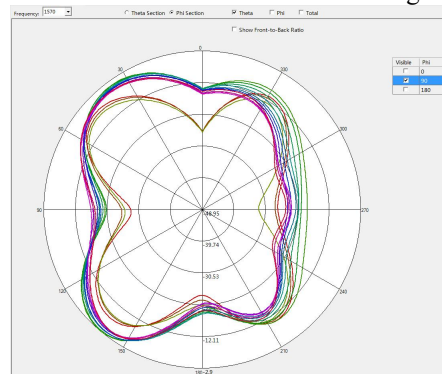
ANT7



GPS&2.4G WIFI&BT Phi=0deg



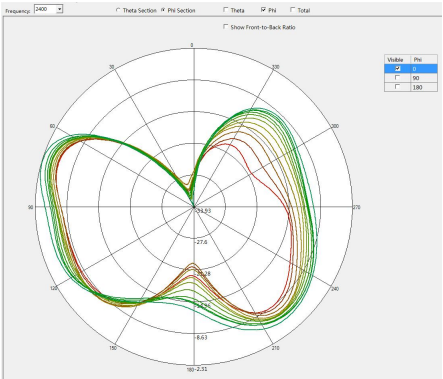
GPS&2.4G WIFI&BT Phi=90deg



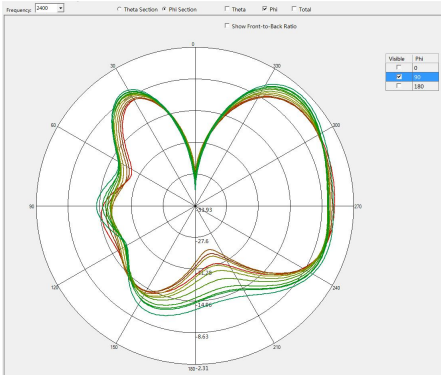
GPS&2.4G WIFI&BT Theta=90deg

※ Antenna Gain

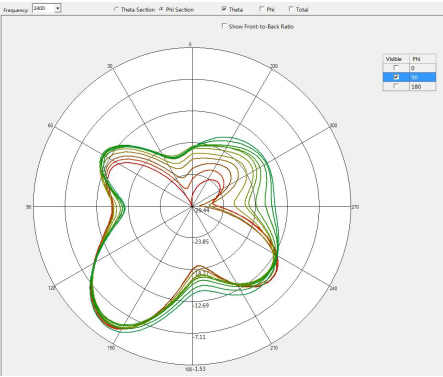
ANT6



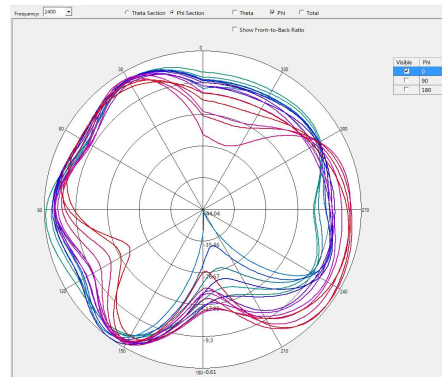
2.4G WIFI Phi=0deg



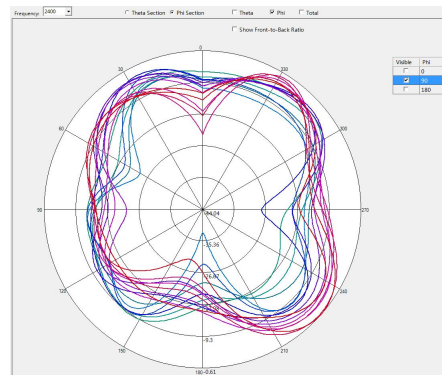
2.4G WIFI Phi=90deg



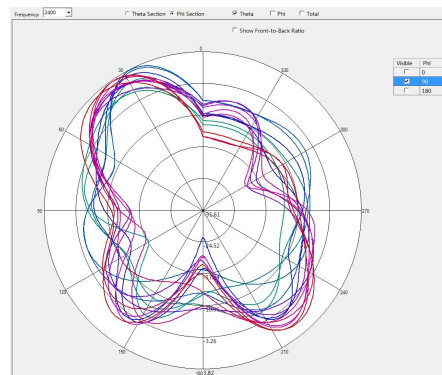
2.4G WIFI Theta=90deg



5G WIFI Phi=0deg



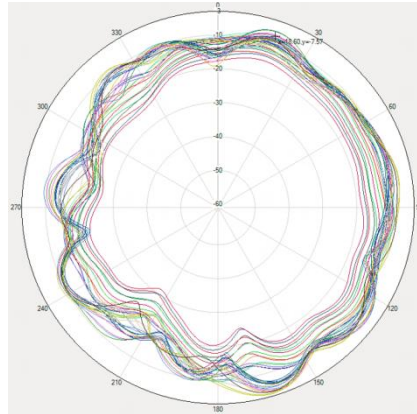
5G WIFI Phi=90deg



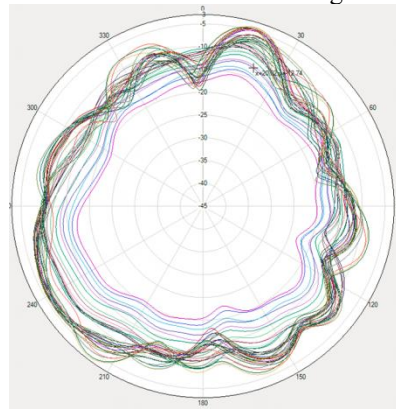
5G WIFI Theta=90deg

※ Antenna Gain

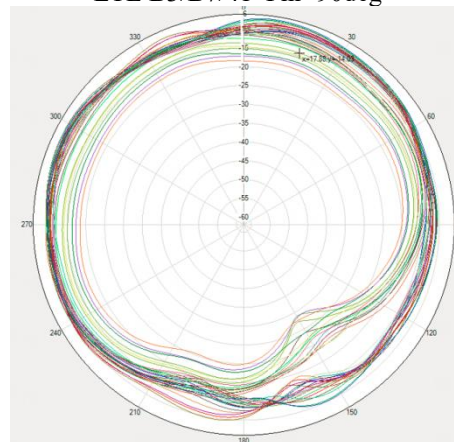
ANT5



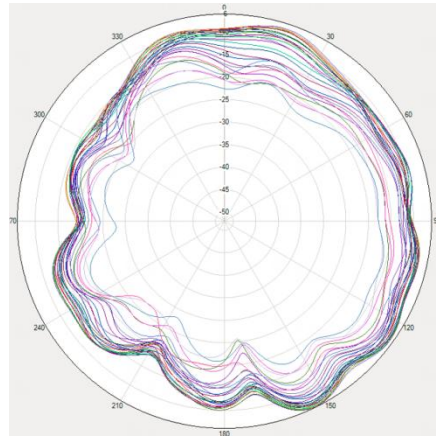
LTE B3/B7/41 Phi=0deg



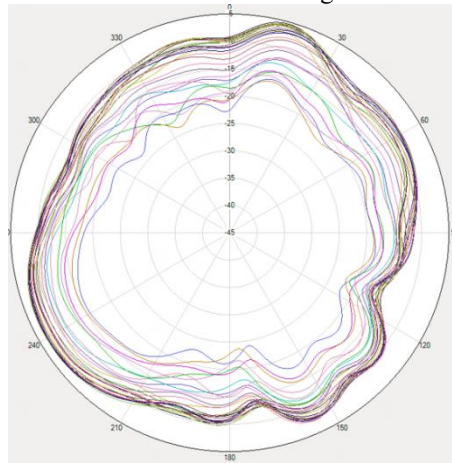
LTE B3/B7/41 Phi=90deg



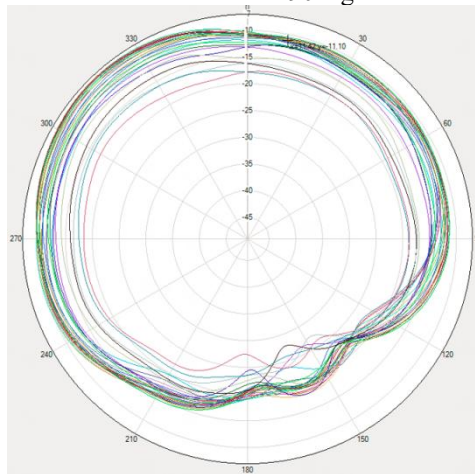
LTE B3/B7/41 Theta=90deg



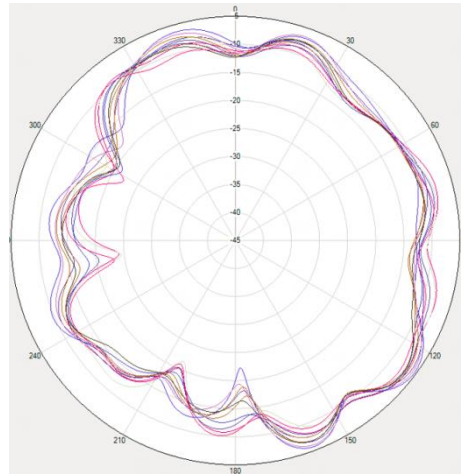
LTE B1 $\Phi=0\text{deg}$



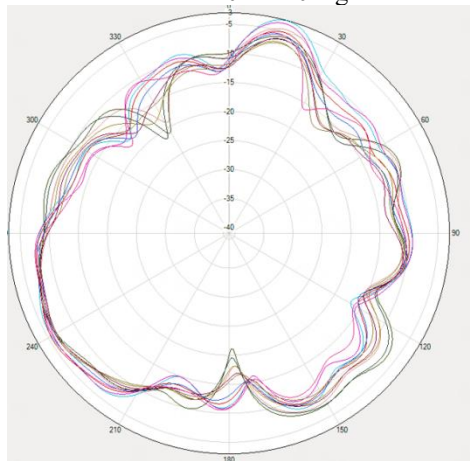
LTE B1 $\Phi=90\text{deg}$



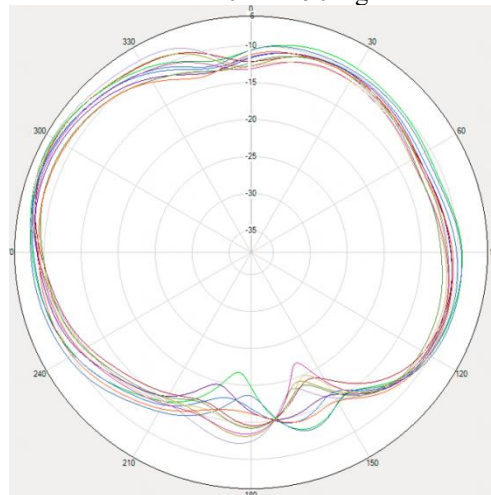
LTE B1 $\Theta=90\text{deg}$



LTE B40 $\Phi=0^\circ$



LTE B40 $\Phi=90^\circ$



LTE B40 $\Theta=90^\circ$

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
	Ning.Liu		DATE:	2023/1/11