

Feature

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

Application

##填写对应配置完整的频段信息##

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

LTE B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28/B38/B41/B42/B66

NR Mode N1/N3/N5/N7/N8/N12/N20/N28/N38N41/N66/N77/N78

别漏掉下表面的表格

Name and address of the antenna manufacturer	Model number of the antenna
ZHEJIANG HAITONG COMMUNICATION ELECTRONICS CO.,LTD. Add: 2nd Floor, Building D, Tianhao Industrial Park,Hechangxi 3rd Road, Zhongkai High-Tech Zone, Huizhou City, Guangdong Province,China ##供应商名称和地址，要求全英文##	X6891-ANT2-V0.2-2025 (XX:Version-Date) ## 认证样机天线丝印，版本和日期统一填写为 XX ##

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

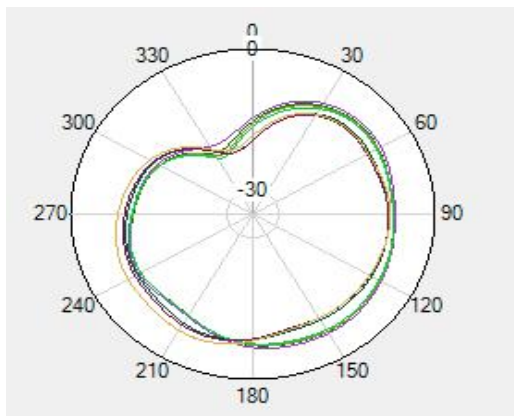
Receiver Frequency	PCS/WCDMA B2/LTE B2:1850-1910MHz	
	WCDMA B1/LTE B1 NR n1: 1920 – 1980MHz	
	LTE B7 NR n7:2496-2565MHz	
	LTE B38/B41 NR n38/n41:2565-2645MHz	
	LTE B20 NR n20:832-862MHz	
	LTE B12/B17/B28 NR n12/n28:710-755MHz	
	LTE B13 :746 - 787 MHz	
	LTEB42 NR n77/n78:3300-4200MHz	
	GSM 850/WCDMA B5/LTE 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 B38/41 NR n38/n41:2565-2645MHz	
	LTE B20 NR n20:791-821MHz	
	LTE B12/B17/B28 NR n12/n28:758-803MHz	
	LTE B71 NR n71:617 - 652 MHz	
	LTE B13 :746 - 787 MHz	
	LTEB42 NR n77/n78:3300-4200MHz	
RF-Output Power (E.I.R.P)	GSM850/900: 33+/-2dBm	
	DCS/PCS: 30+/-2dBm	
	LTE B1/B2/B3/ B4/B5 /B7/B8/B12/B13/B17/B20/B28/B38/B42/B66: 23+/-2dBm LTE B41:26+/-2.7 dBm	
	WCDMA B1/B2/B4/B5/ B8: 23+/-1dBm	
	NR:N1/N3/N5/N7/N8/N12/N20/N28/N38/N66: 23+/-2.7 dBm N41\77\ N78: 26+/-2.7 dBm	
Antenna Gain	GSM 850/WCDMA B5/LTE B5 NR n5: -4.5dbi	
	GSM 900/WCDMA B8/LTE B8 NR n8: -4.6dbi	
	DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: -2.3 dbi	
	PCS/WCDMA B2/LTE B2: -1.9 dbi	
	WCDMA B1/LTE B1 NR n1: -2.7 dbi	
	LTE B7/B38/B41 NR n7/n38/n41: -1.7 dbi	
	LTE B20 NR n20: -4.5 dbi	
	LTE B71 NR n71:-9.8dbi	

##增益报告内需要把所有 TX 天线的增益值都填写##		LTE B28 NR28:-7.1dbi
		LTE B13 :-4.3dbi
		LTE B12/B17 NR n12: -3.5 dbi
		LTE B42 N77/N78:-1.2dbi
	(ENDC)	B1:-2.3dbi
		B3: -2.4 dbi
		B7/B38/B41: -2.8dbi
		GPS(L1): -3. 2dbi
		BT/WIFI 2.4G: -2.7 dbi 5G: -0.3 dbi
	(mimo)	BT/WIFI 2.4G: -0. 7dbi 5G: 0.4 dbi
		GPS(L5): -9.7 dbi
Type of Modulation		

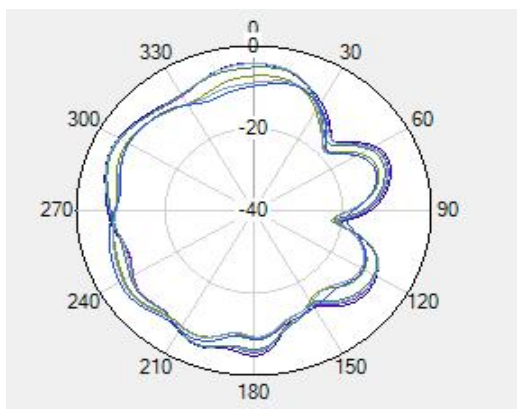
※ Antenna Gain

##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##

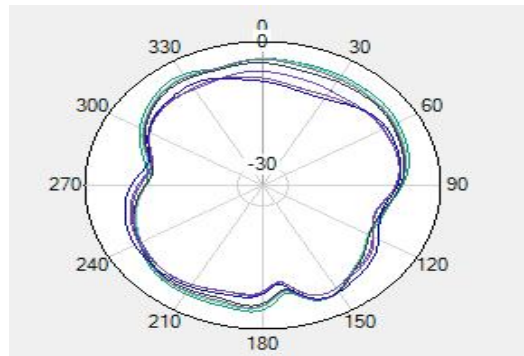
ANT6 ##天线序号与天线增益图频段对应##
ANT0-MHB DRX



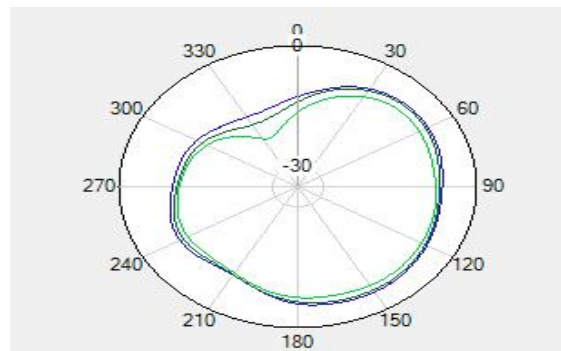
WB1/LTE B1/NR1 Theta=90deg



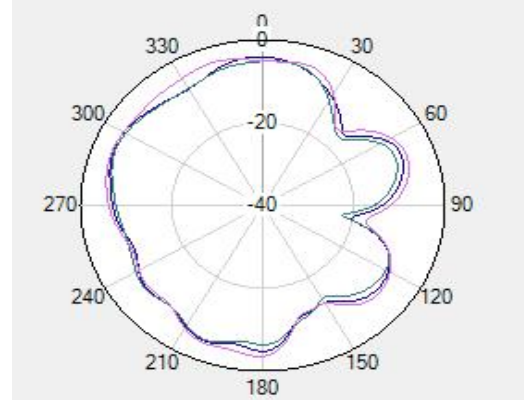
WB1/LTE B1/NR1 Phi=0deg



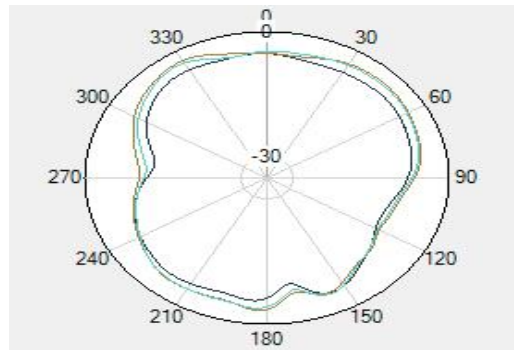
WB1/LTE B1/NR1 $\Phi=90^\circ$



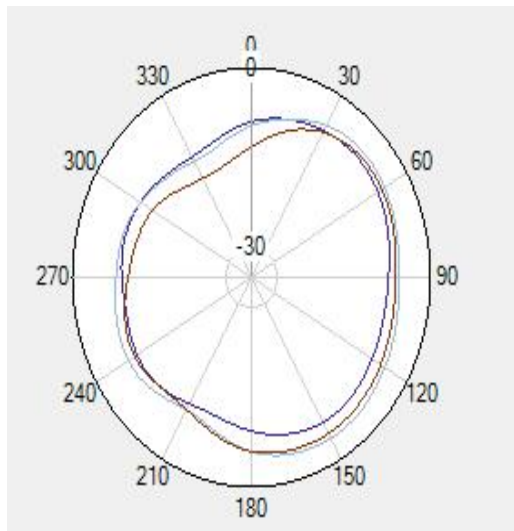
PCS/WCDMA B2/LTE B2 $\Theta=90^\circ$



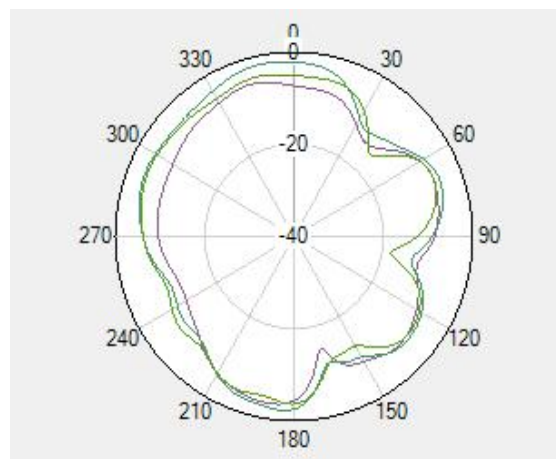
PCS/WCDMA B2/LTE B2 $\Phi=0^\circ$



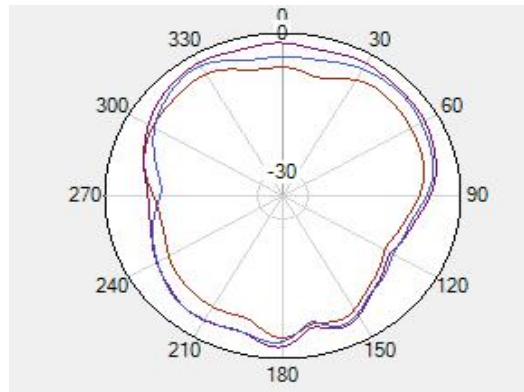
PCS/WCDMA B2/LTE B2 $\Phi=90^\circ$



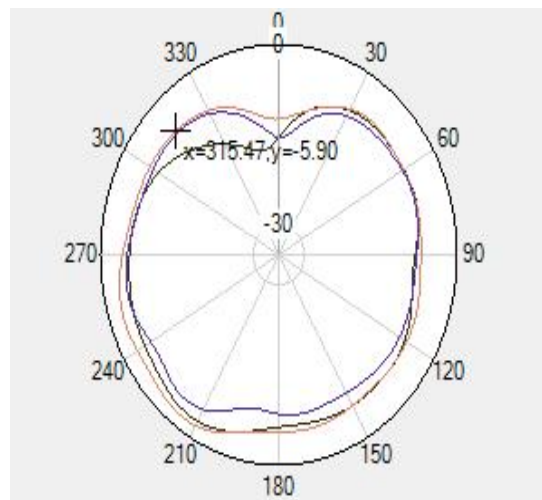
DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66 $\Theta=90^\circ$



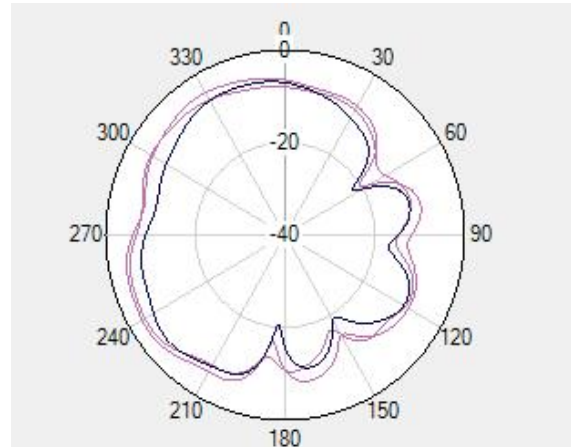
DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66 $\Phi=0^\circ$



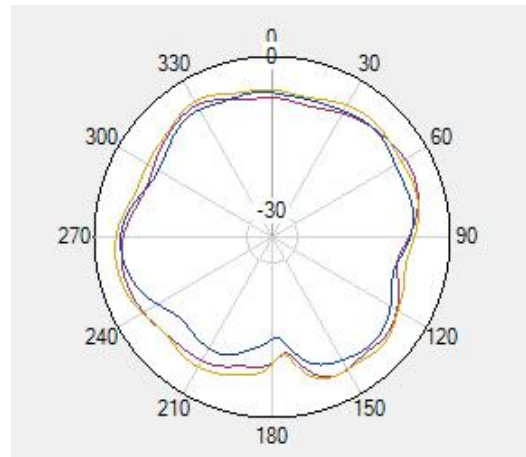
DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66 Phi=90deg



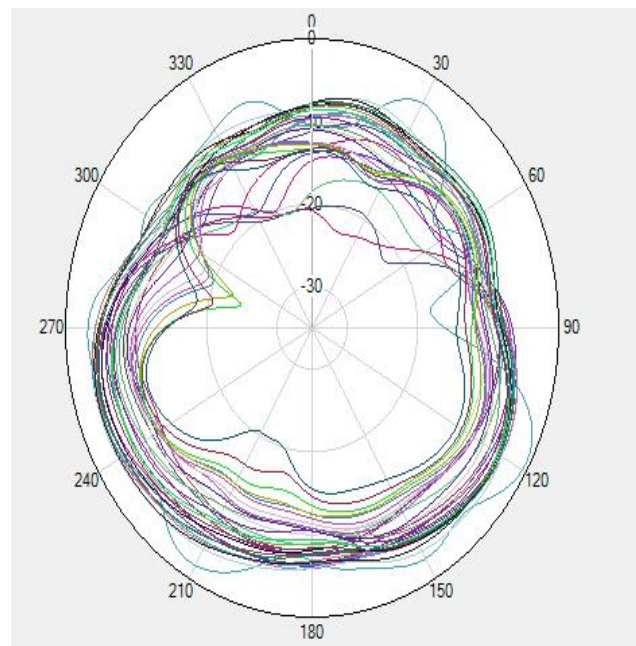
LTE B7/B38/B41 NR n7/n38/n41 Theta=90deg



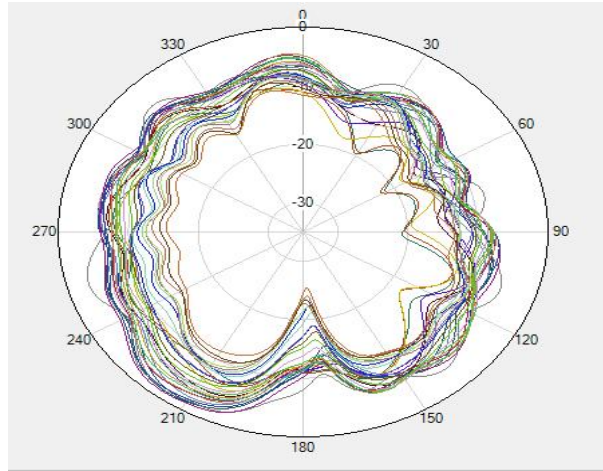
LTE B7/B38/B41 NR n7/n38/n41 $\Phi=0^\circ$



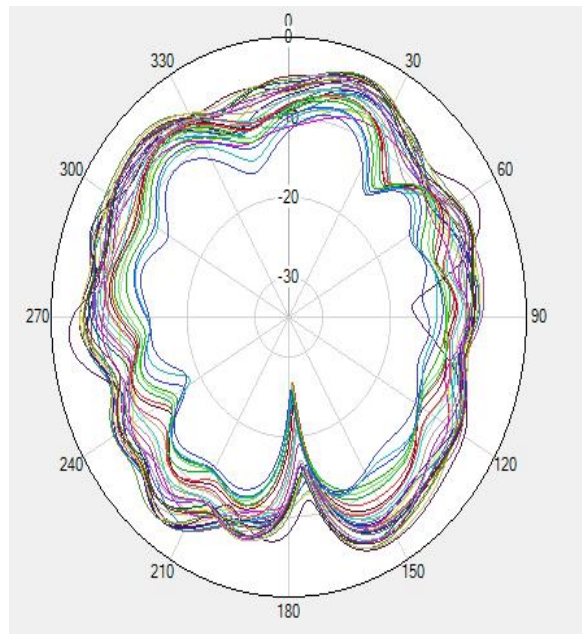
LTE B7/B38/B41 NR n7/n38/n41 $\Phi=90^\circ$



LTEB42 NR n77/n78 $\Theta=90^\circ$

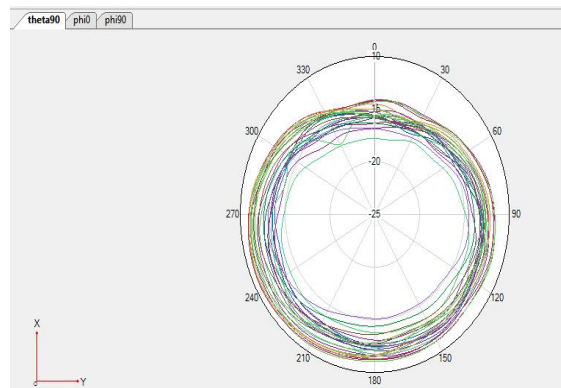


LTEB42 NR n77/n78 Phi=0deg

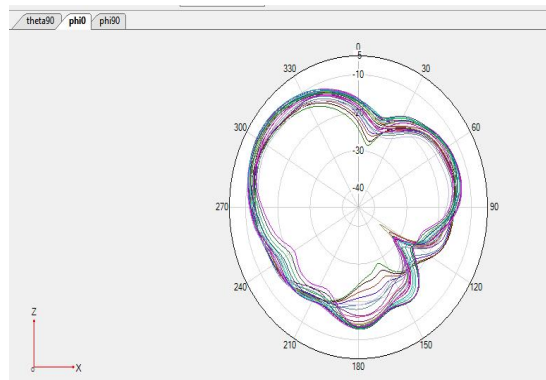


LTEB42 NR n77/n78 Phi=90deg

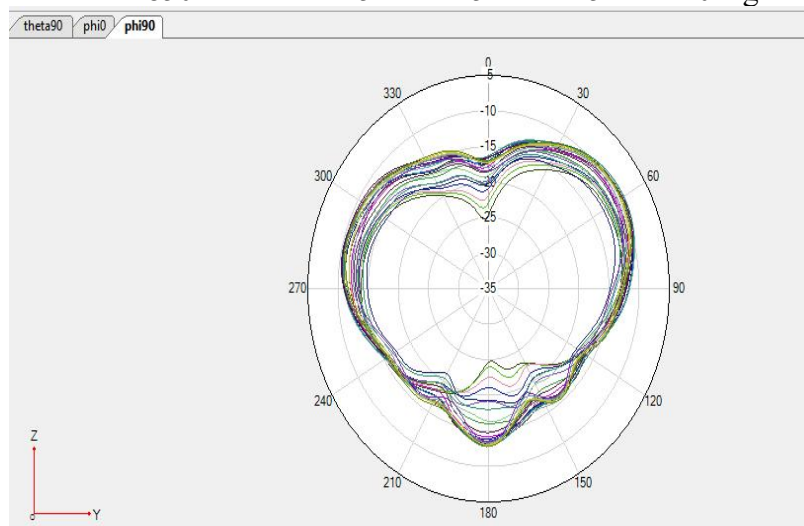
ANT1-DRX



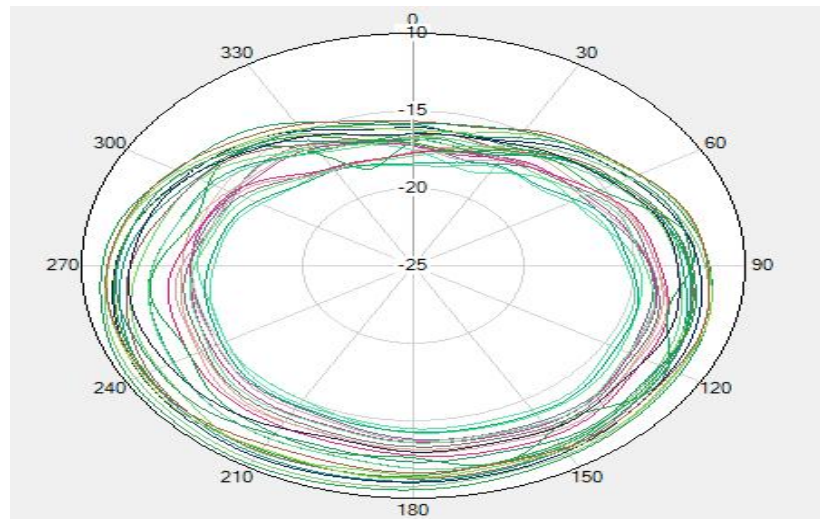
GSM 850/WCDMA B5/LTE B5 NR n5 $\Theta = 90^\circ$



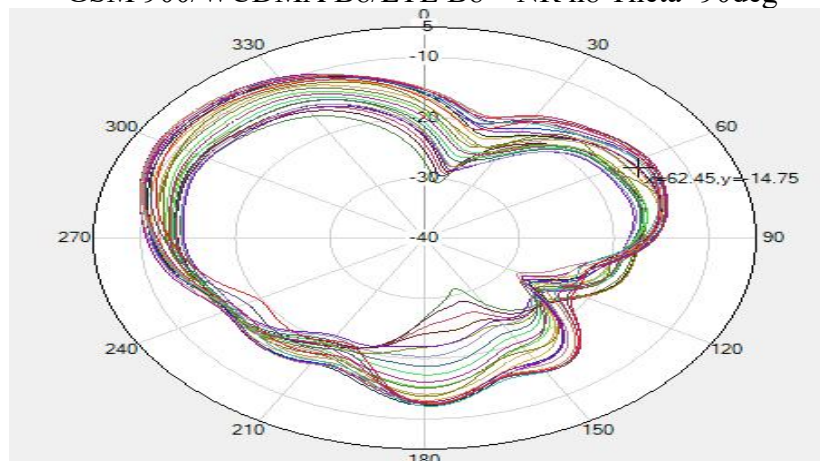
GSM 850/WCDMA B5/LTE B5 NR n5 $\Phi = 0^\circ$



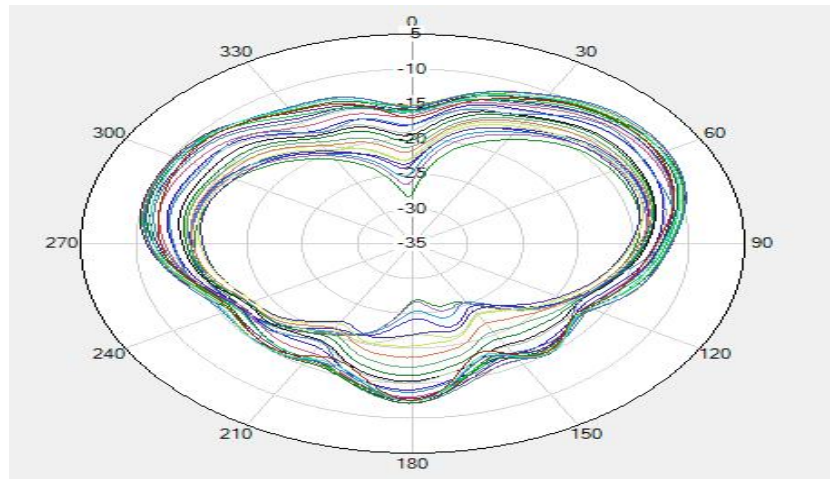
GSM 850/WCDMA B5/LTE B5 NR n5 $\Phi = 90^\circ$



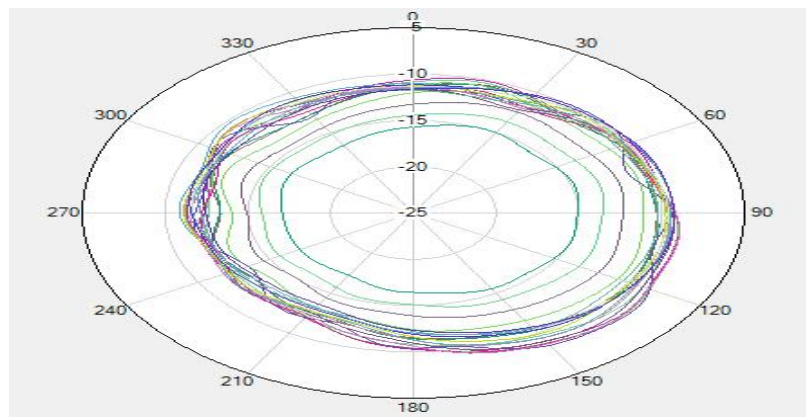
GSM 900/WCDMA B8/LTE B8 NR n8 Theta=90deg



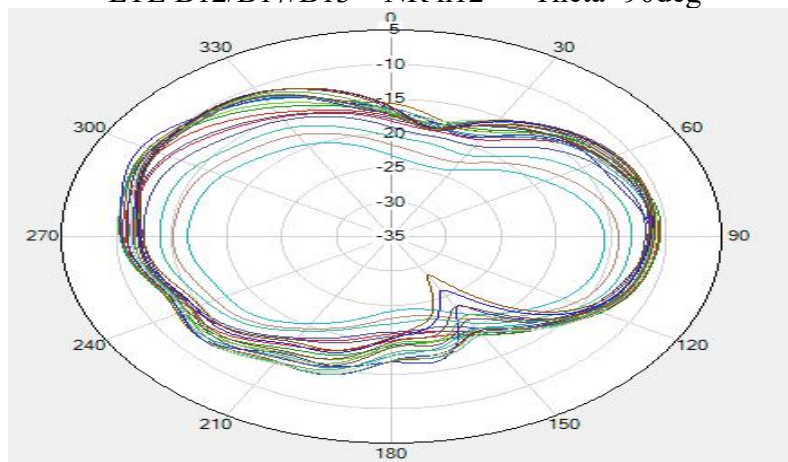
GSM 900/WCDMA B8/LTE B8 NR n8 Phi=0deg



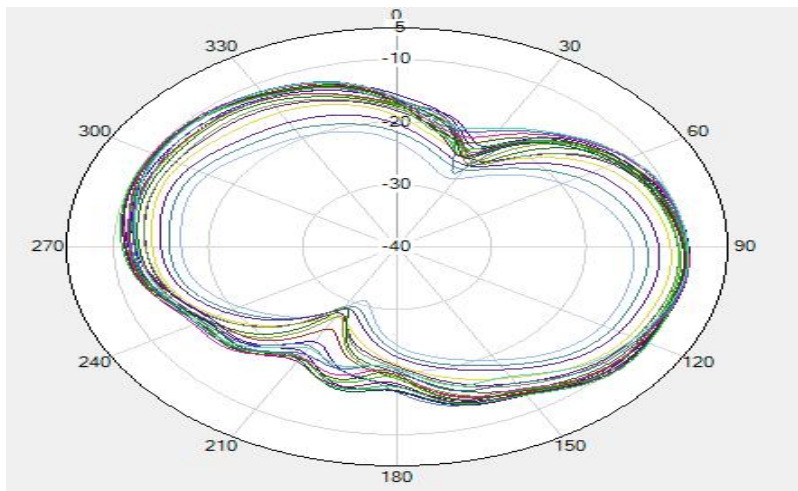
GSM 900/WCDMA B8/LTE B8 NR n8 $\Phi=90^\circ$



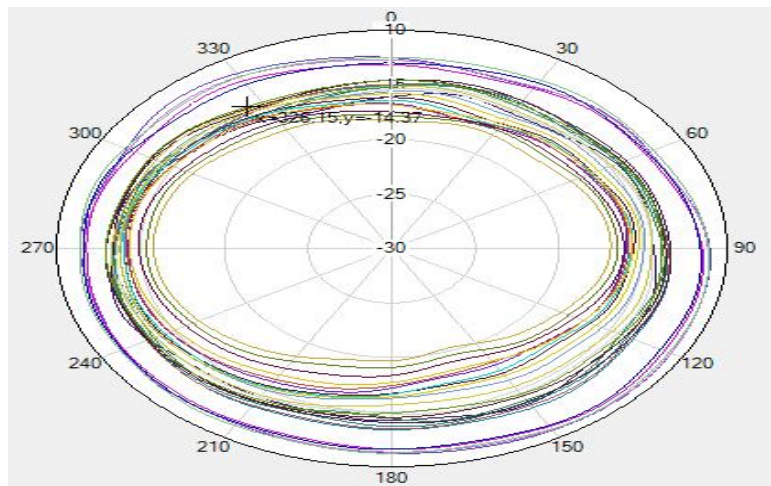
LTE B12/B17/B13 NR n12 $\Theta=90^\circ$



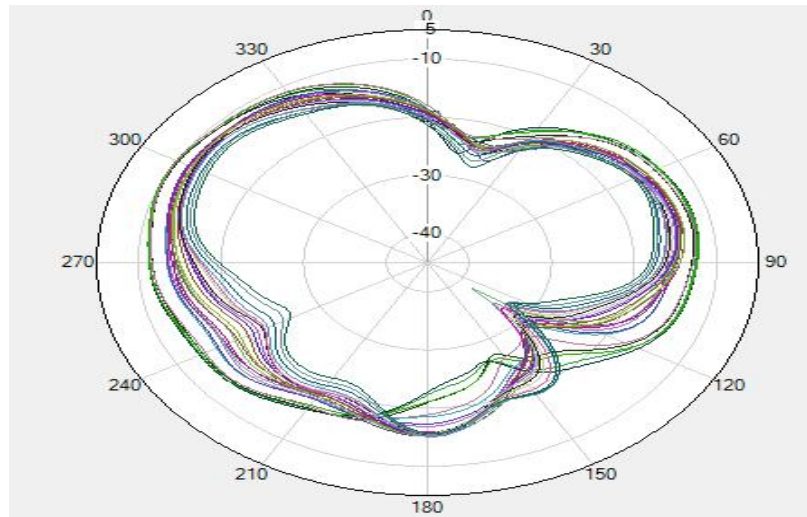
LTE B12/B17/B13 NR n12 $\Phi=0^\circ$



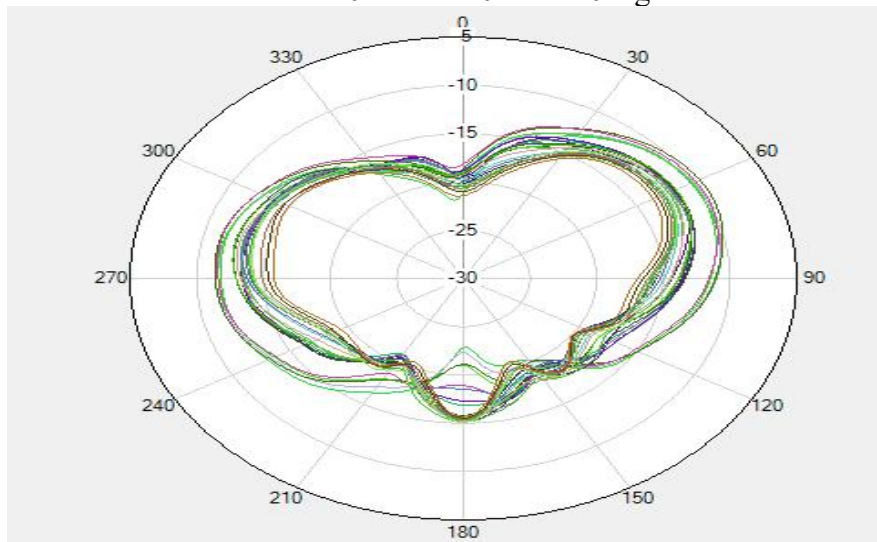
LTE B12/B17/B13 NR n12 Phi=90deg



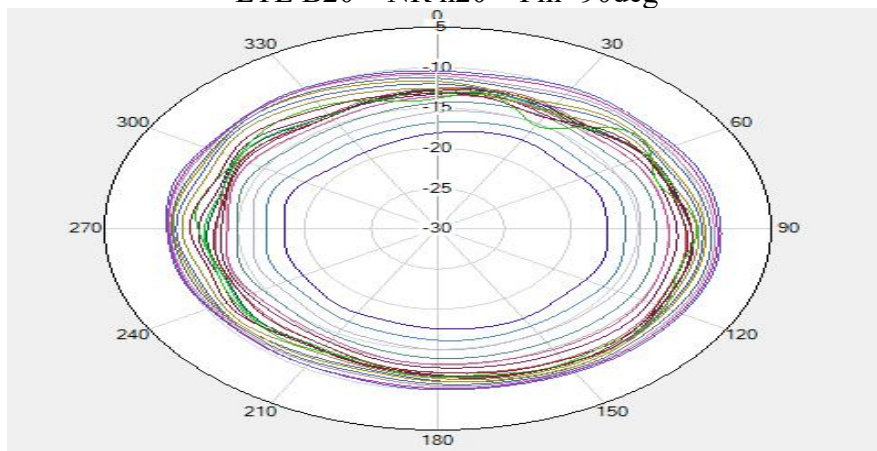
LTE B20 NR n20 Theta=90deg



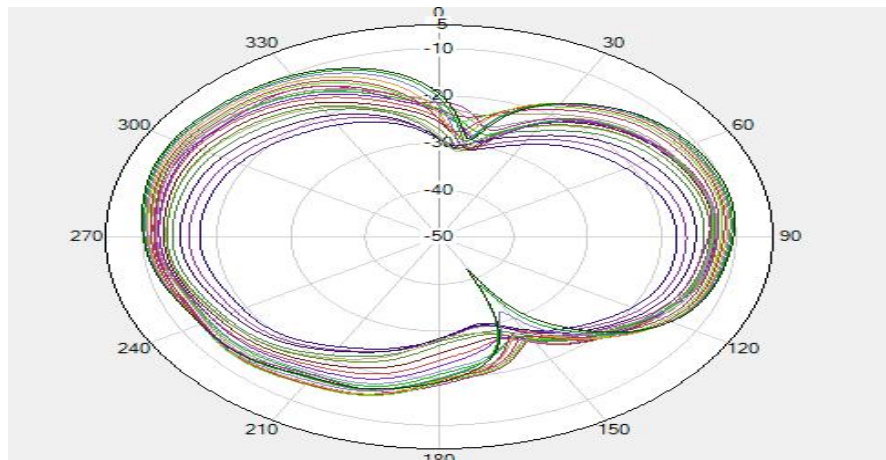
LTE B20 NR n20 Phi=0deg



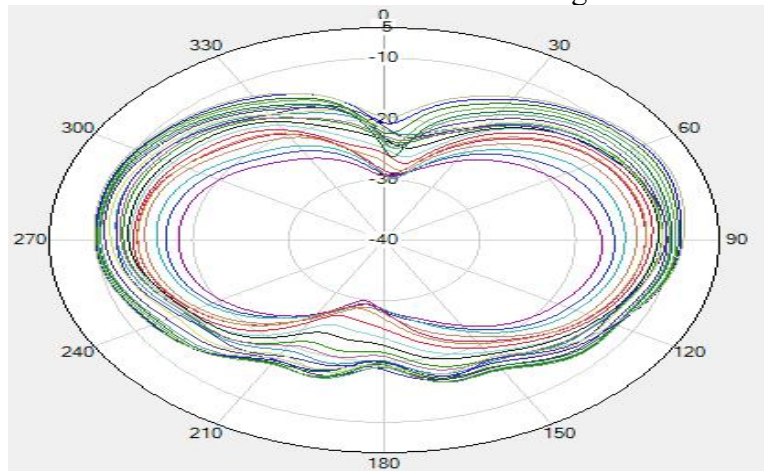
LTE B20 NR n20 Phi=90deg



LTE B28 NR28 Theta=90deg

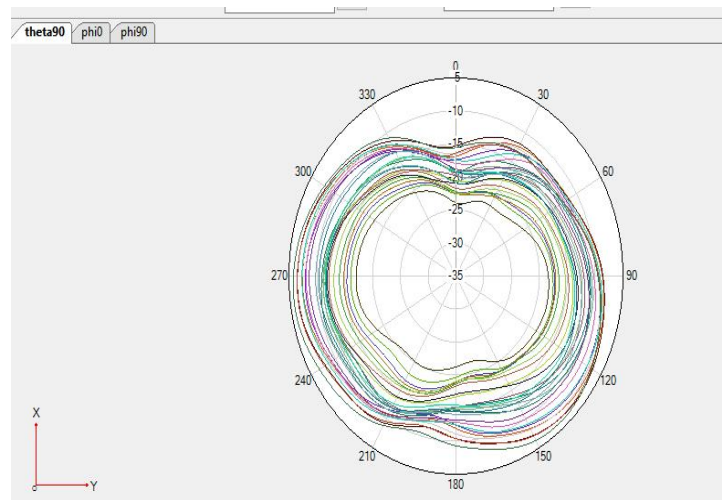


LTE B28 NR 28 $\Phi=0^\circ$

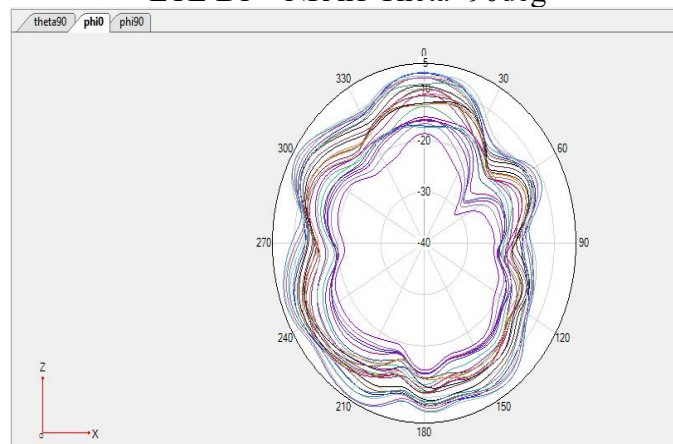


LTE B28 NR 28 $\Phi=90^\circ$

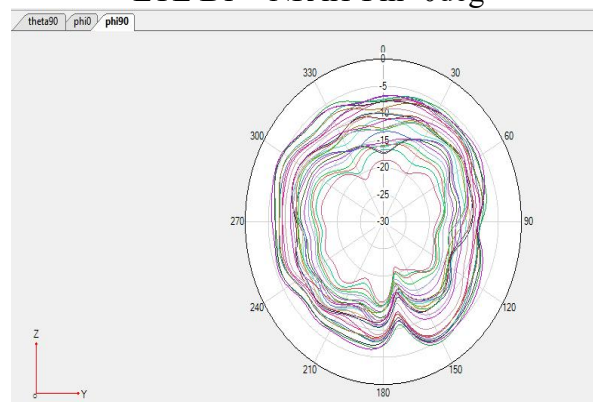
ANT2-MHB DR2+N77/78



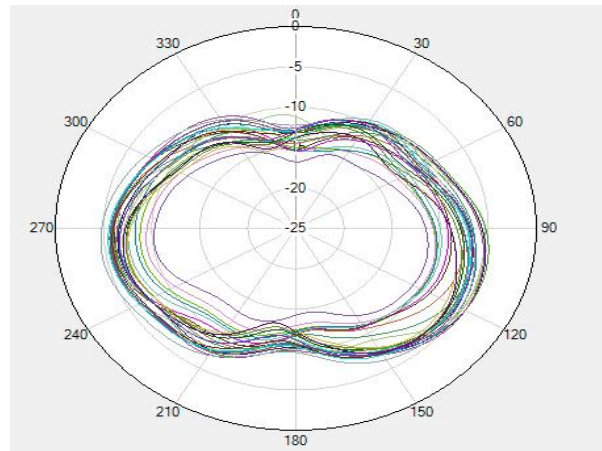
LTE B1 NR n1 Theta=90deg



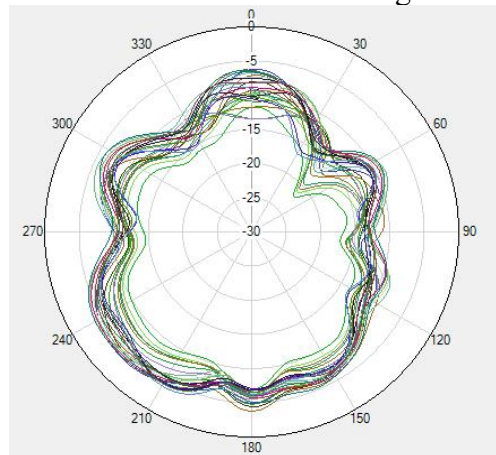
LTE B1 NR n1 Phi=0deg



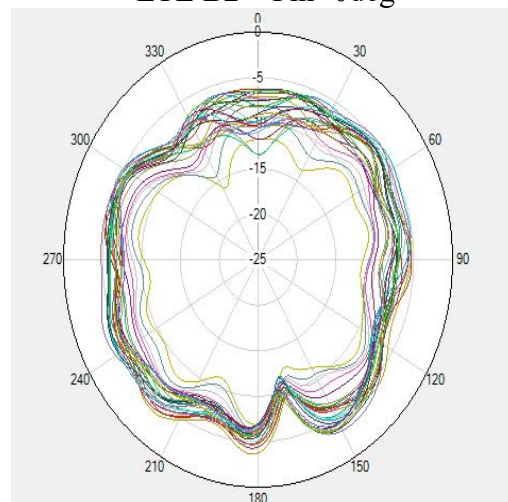
LTE B1 NR n1 Phi=90deg



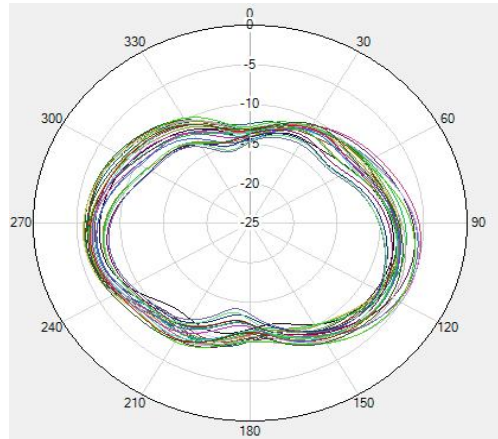
LTE B2 Theta=90deg



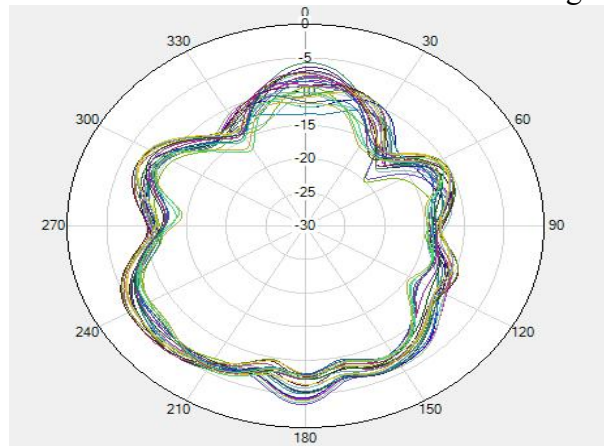
LTE B2 Phi=0deg



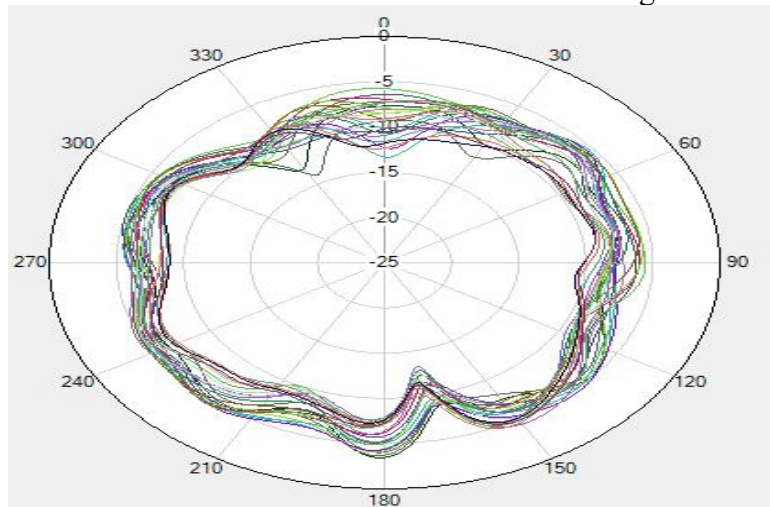
LTE B2 Phi=90deg



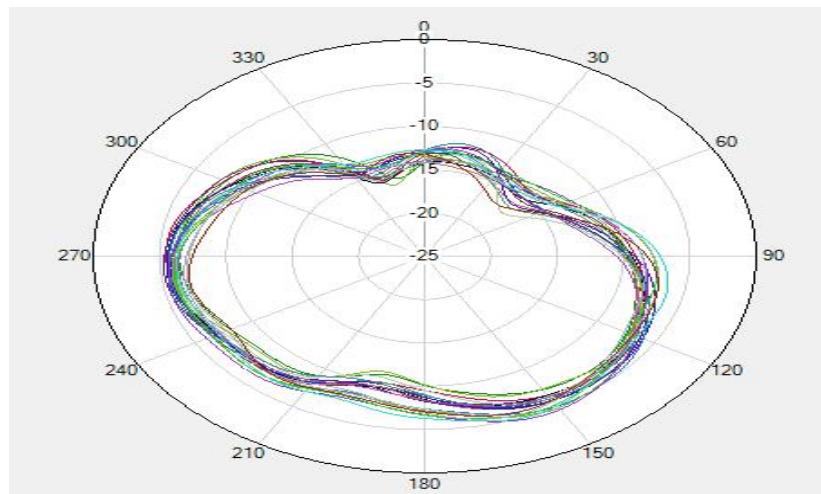
LTE B3/B4/B66 NR n3/n66 Theta=90deg



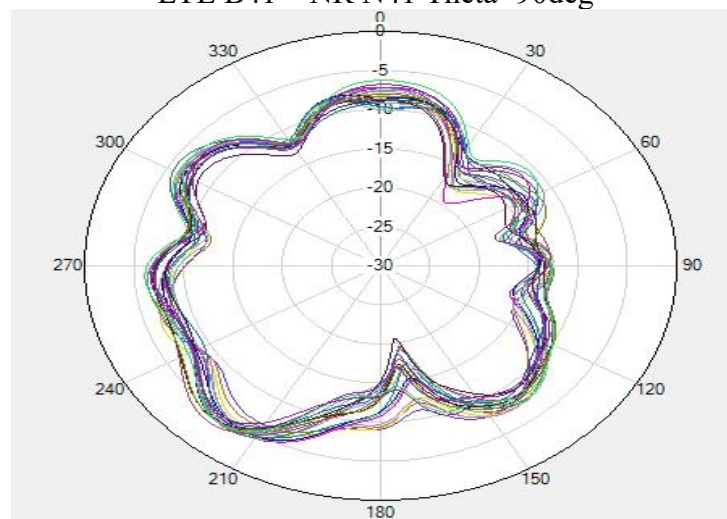
LTE B3/B4/B66 NR n3/n66 Phi=0deg



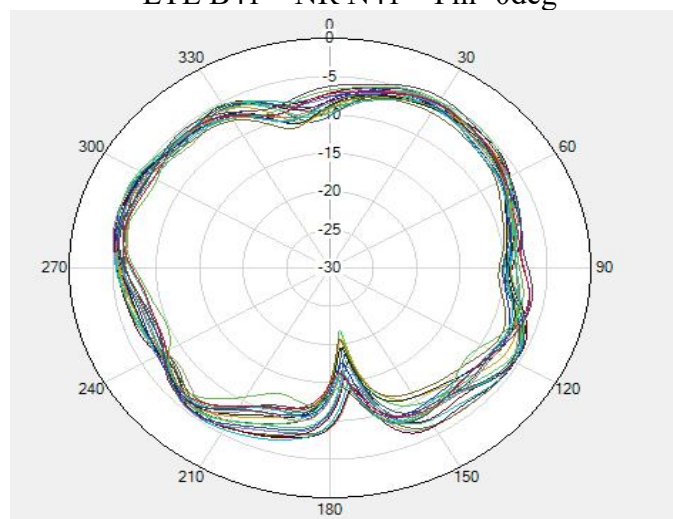
LTE B3/B4/B66 NR n3/n66 Phi=90deg



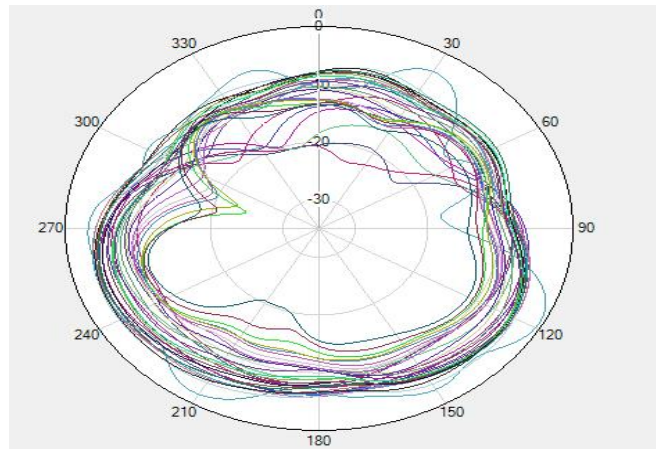
LTE B41 NR N41 $\Theta=90^\circ$



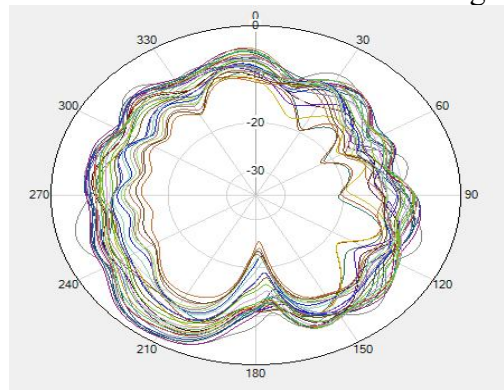
LTE B41 NR N41 $\Phi=0^\circ$



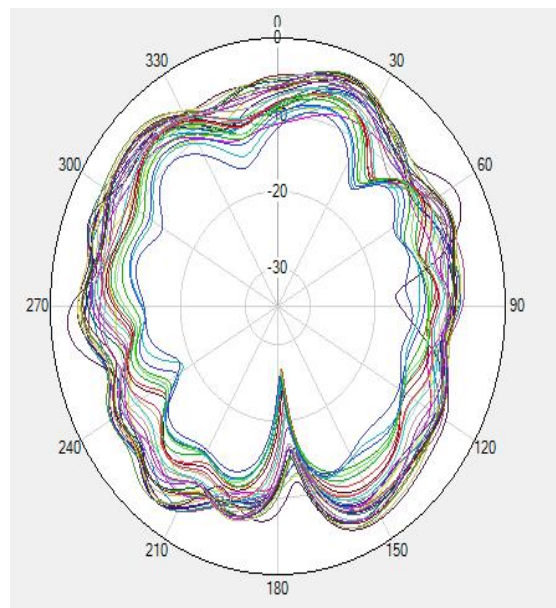
LTE B41 NR N41 $\Phi=90^\circ$



LTE B42 N77/N78 Theta=90deg

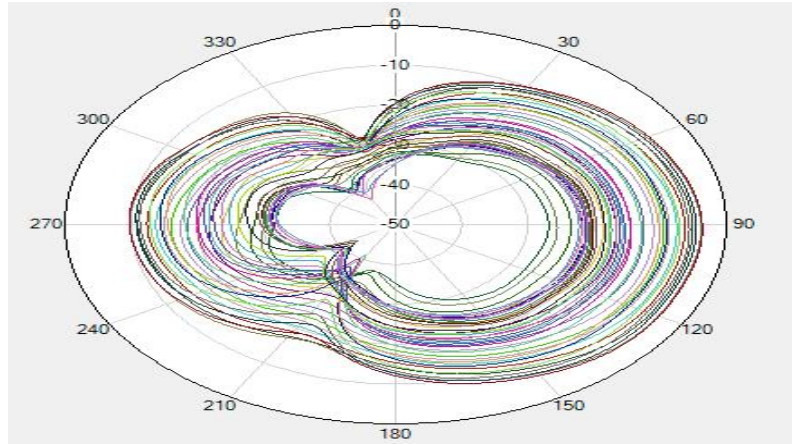


LTE B42 N77/N78 Phi=0deg

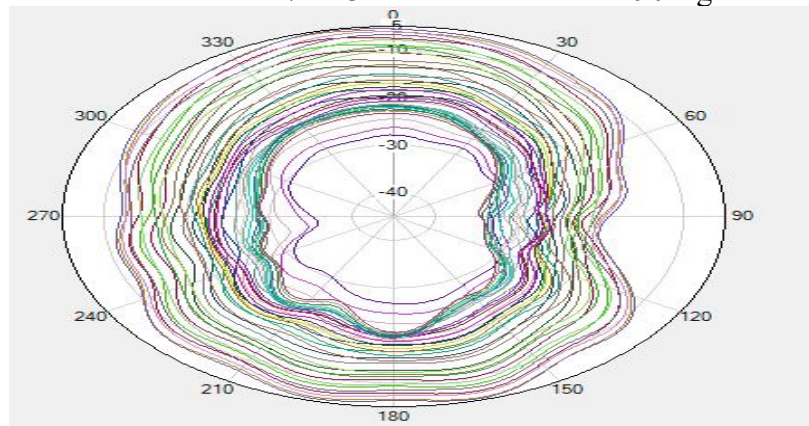


LTE B42 N77/N78 Phi=90deg

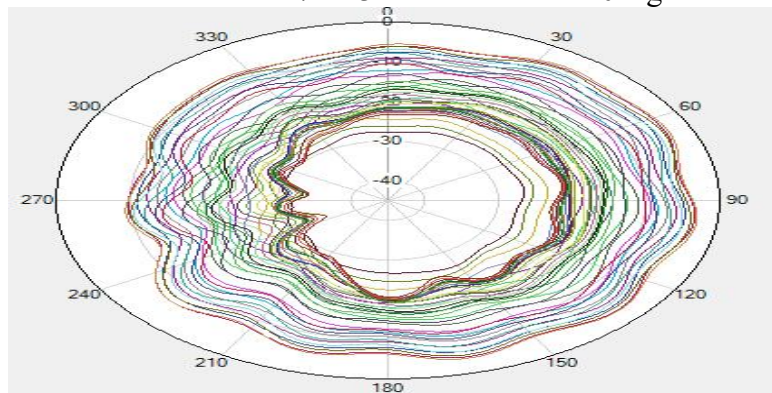
ANT3-LB PRX



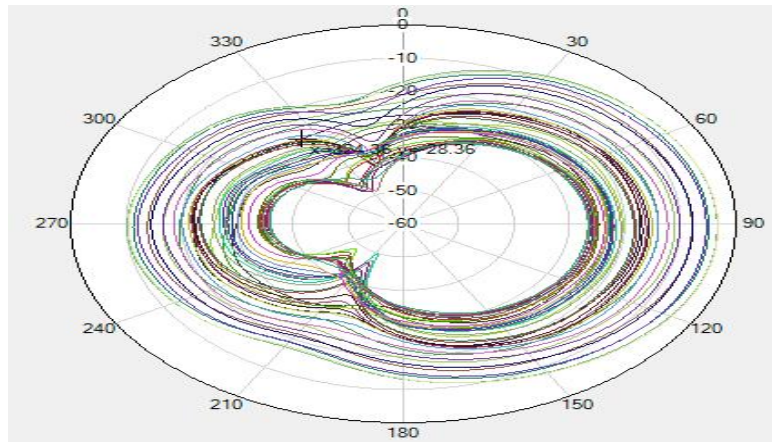
LTE B12/B17/B13 NR n12 Theta=90deg



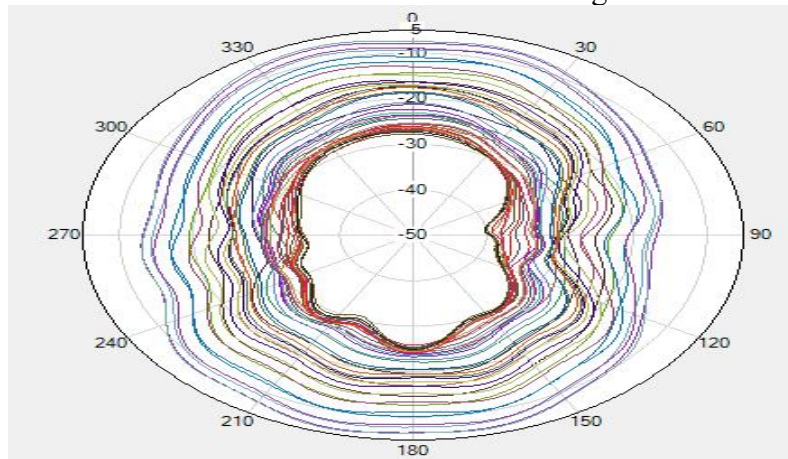
LTE B12/B17/B13 NR n12 Phi=0deg



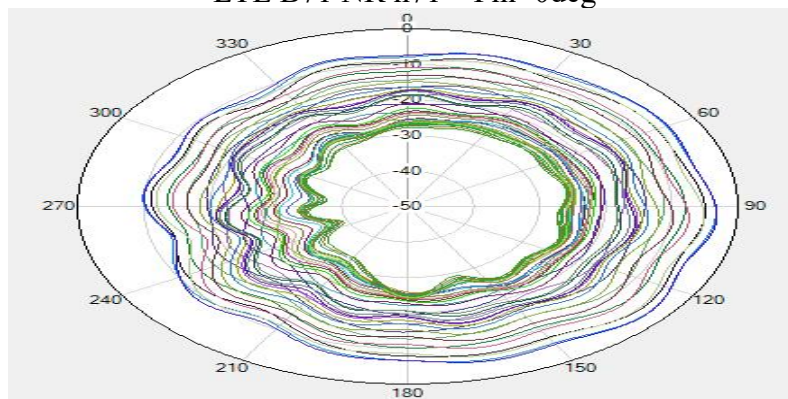
LTE B12/B17/B13 NR n12 Phi=90deg



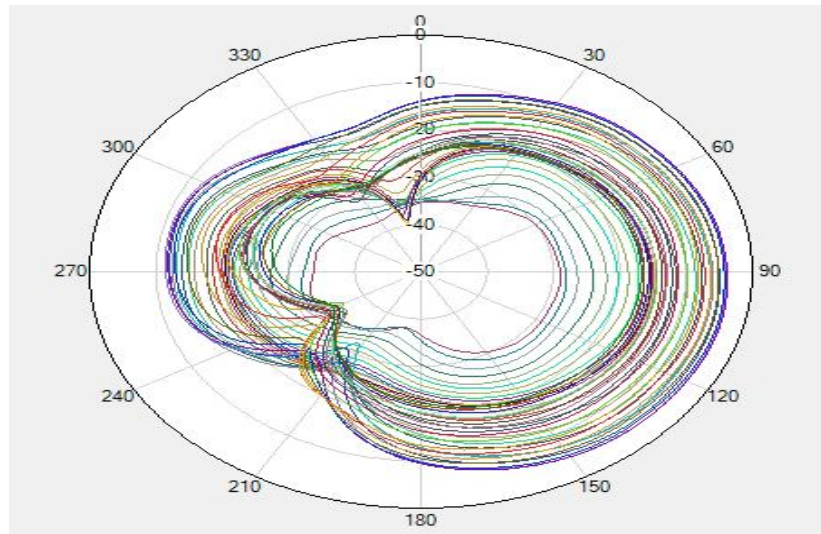
LTE B71 NR n71 $\Theta = 90^\circ$



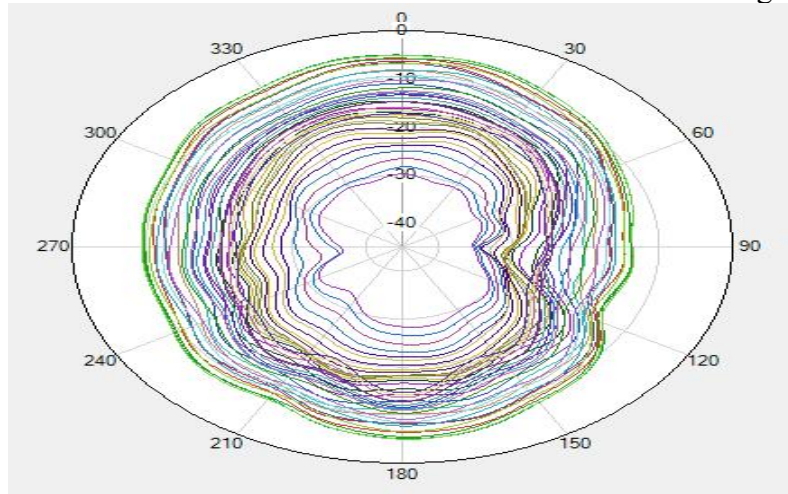
LTE B71 NR n71 $\Phi = 0^\circ$



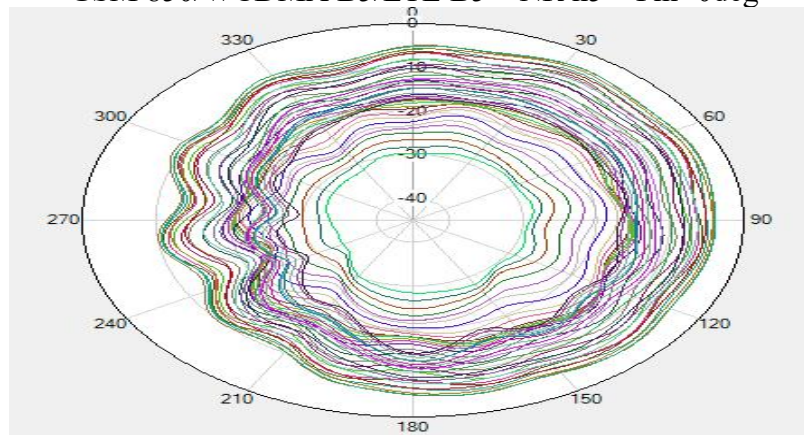
LTE B71 NR n71 $\Phi = 90^\circ$



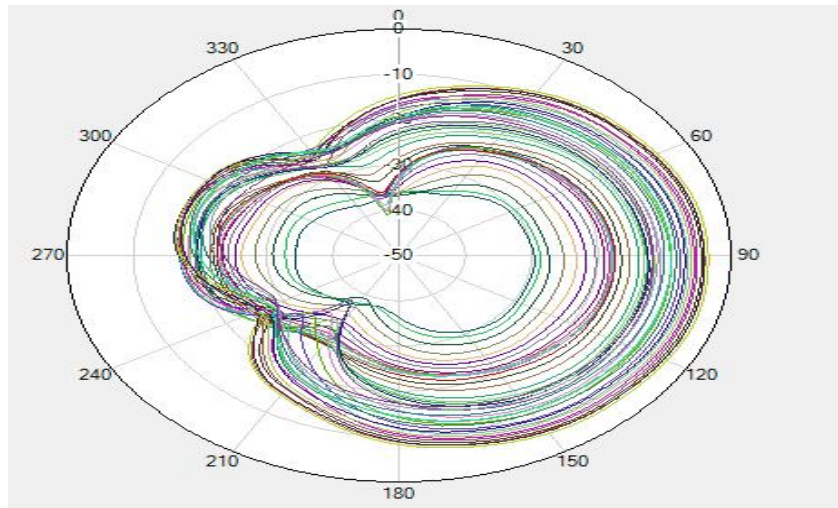
GSM 850/WCDMA B5/LTE B5 NR n5 Theta=90deg



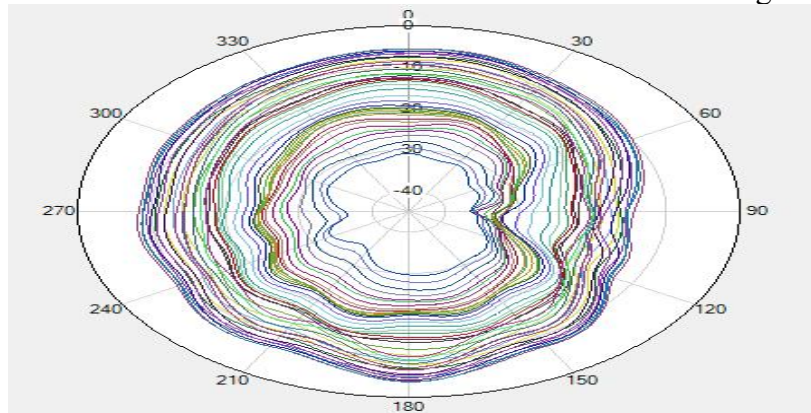
GSM 850/WCDMA B5/LTE B5 NR n5 Phi=0deg



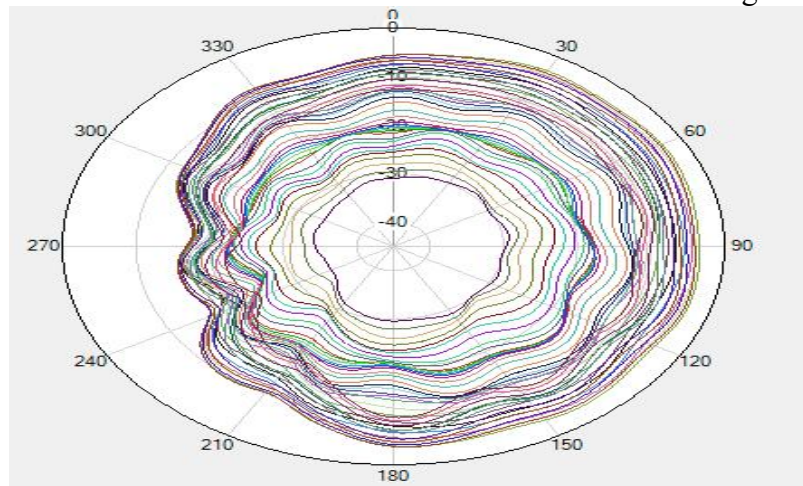
GSM 850/WCDMA B5/LTE B5 NR n5 Phi=90deg



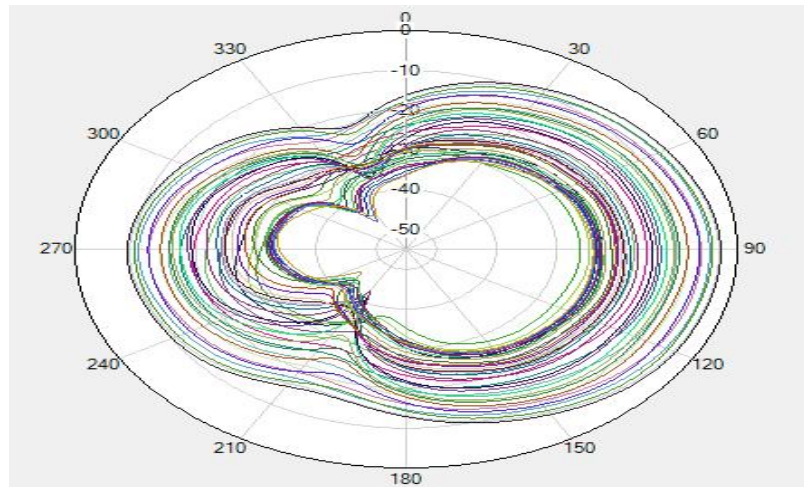
GSM 900/WCDMA B8/LTE B8 NR n8 Theta=90deg



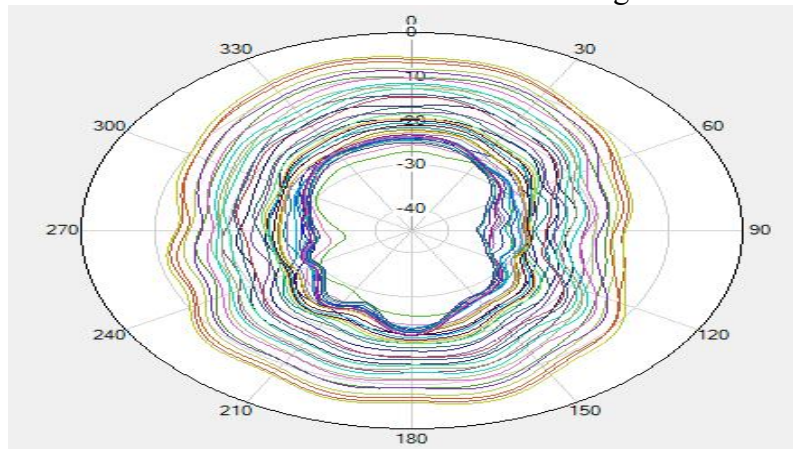
GSM 900/WCDMA B8/LTE B8 NR n8 Phi=0deg



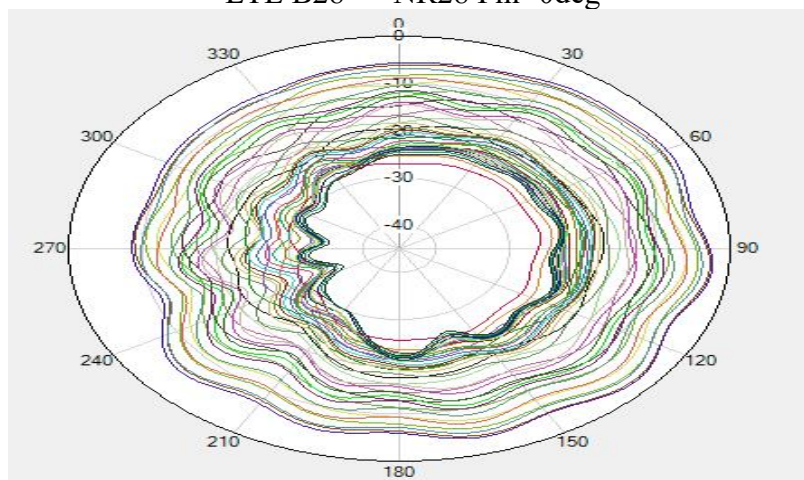
GSM 900/WCDMA B8/LTE B8 NR n8 Phi=90deg



LTE B28 NR28 Theta=90deg

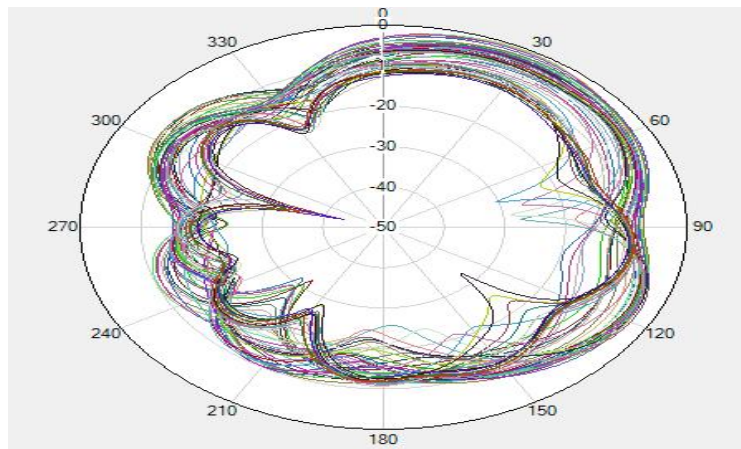


LTE B28 NR28 Phi=0deg

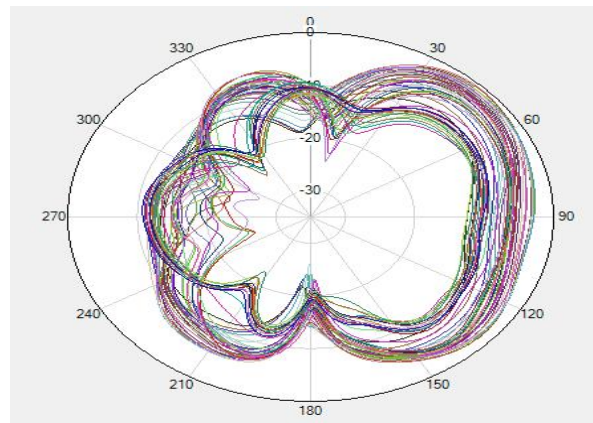


LTE B28 NR28 Phi=90deg

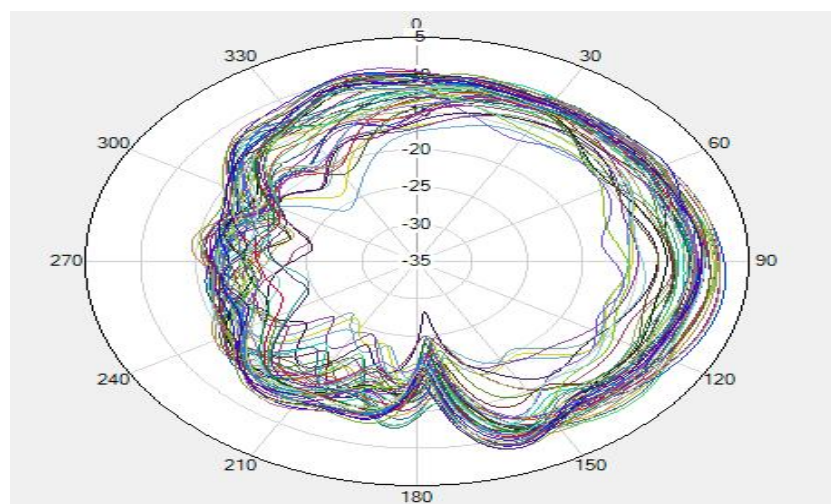
ANT4-ENDC MHB PRX



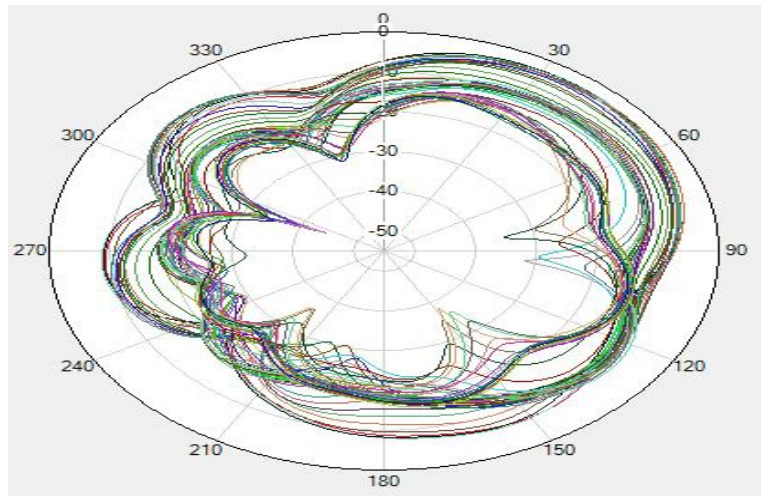
LTE B1 Theta=90deg



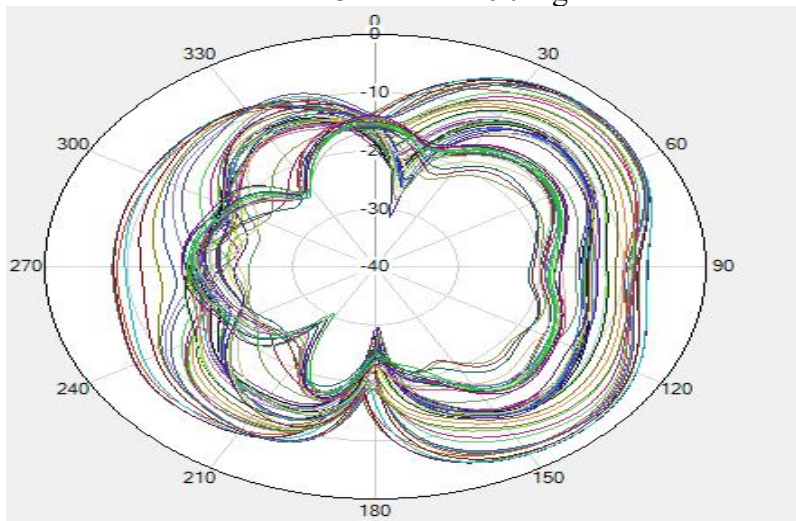
LTE B1 Phi=0deg



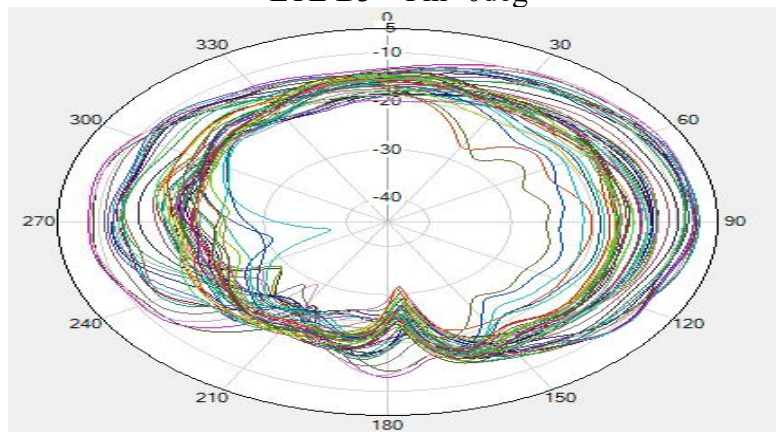
LTE B1 Phi=90deg



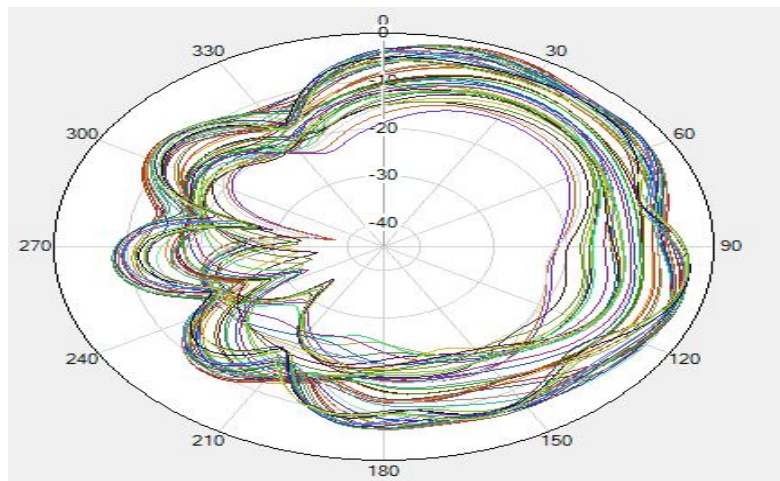
LTE B3 $\Theta = 90^\circ$



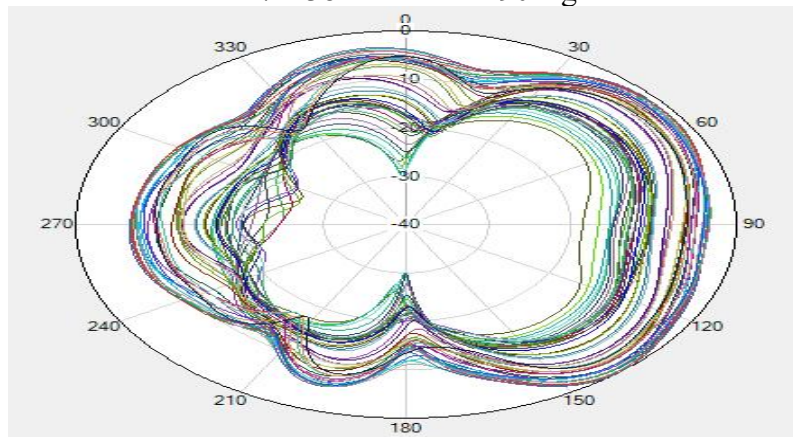
LTE B3 $\Phi = 0^\circ$



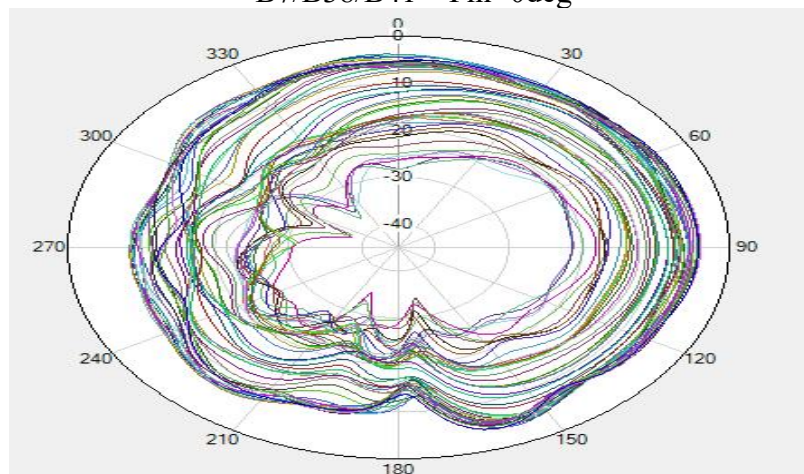
LTE B3 $\Phi = 90^\circ$



B7/B38/B41 $\Theta = 90^\circ$

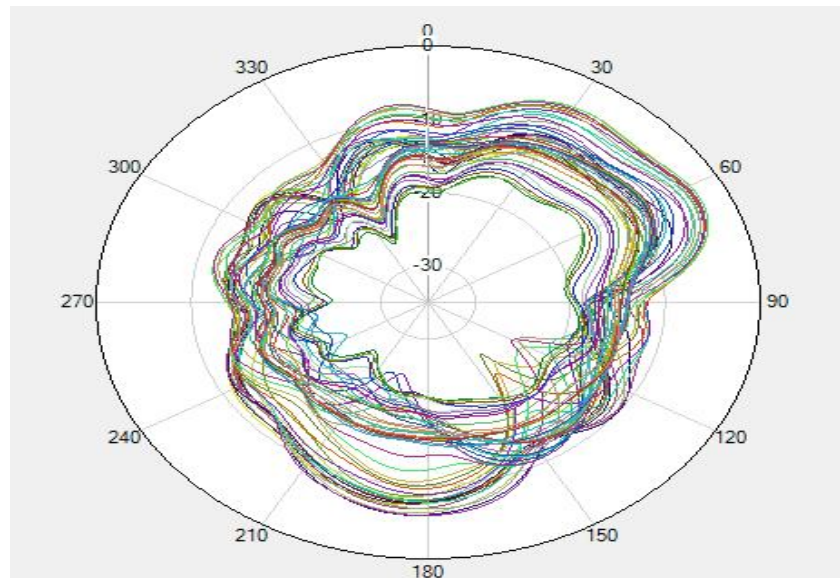


B7/B38/B41 $\Phi = 0^\circ$

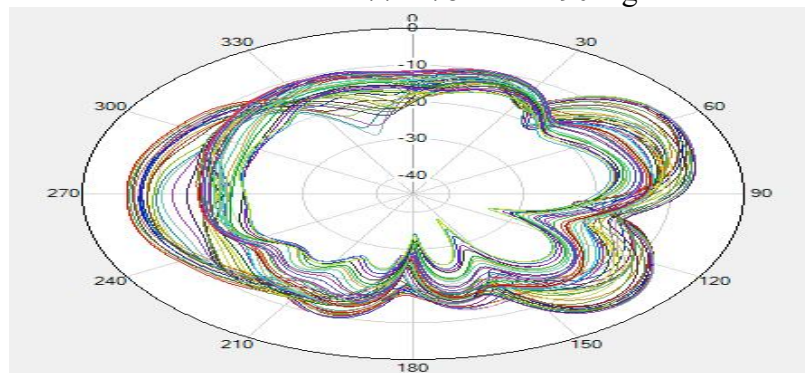


B7/B38/B41 $\Phi = 90^\circ$

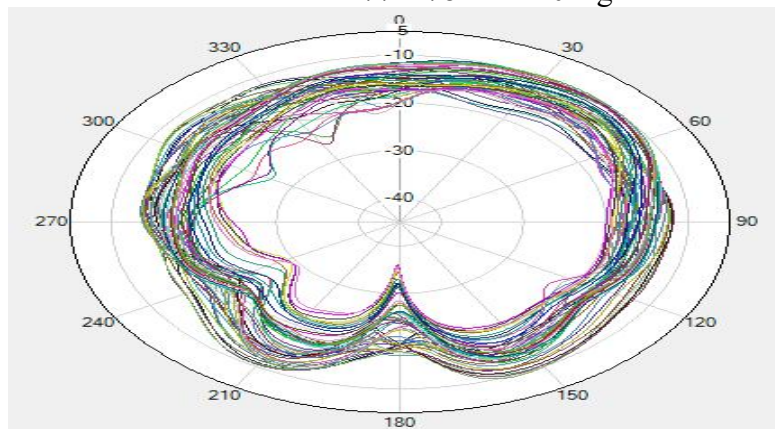
ANT5-N77 /N78DRX2



LTE B42 N77/N78 $\Theta = 90^\circ$

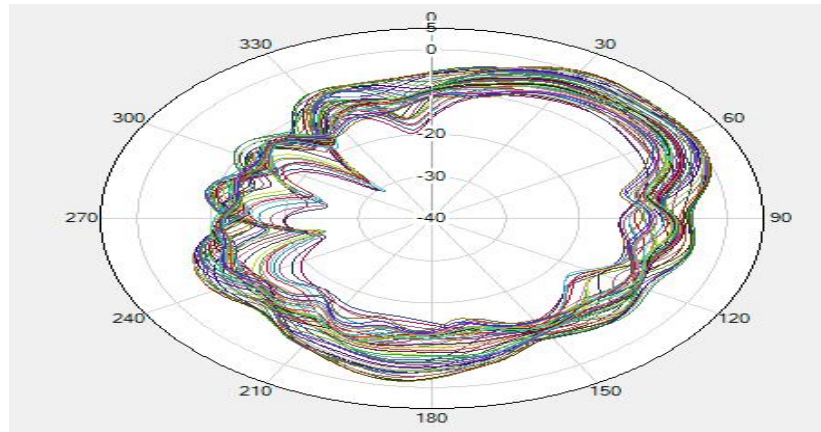


LTE B42 N77/N78 $\Phi = 0^\circ$

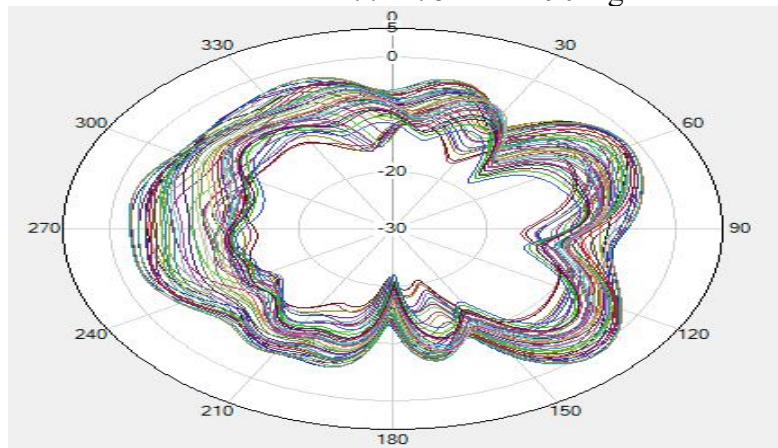


LTE B42 N77/N78 $\Phi = 90^\circ$

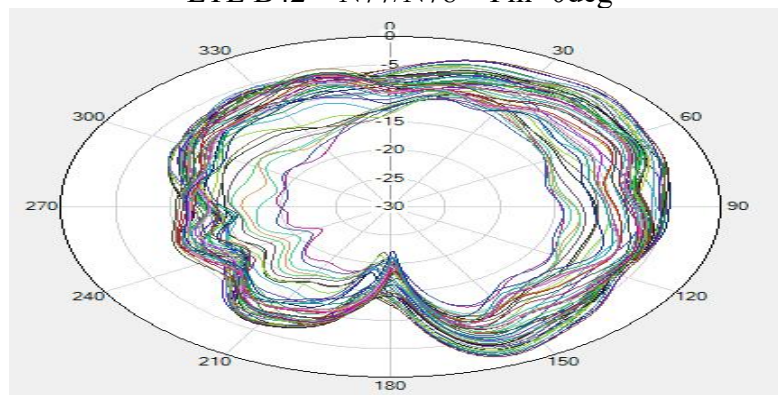
ANT6-N77/N78 PRX



LTE B42 N77/N78 Theta=90deg

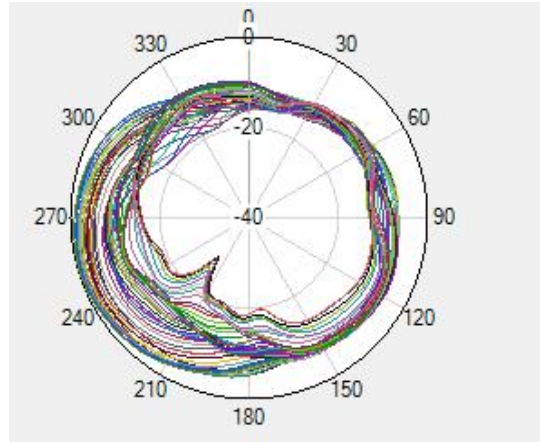


LTE B42 N77/N78 Phi=0deg

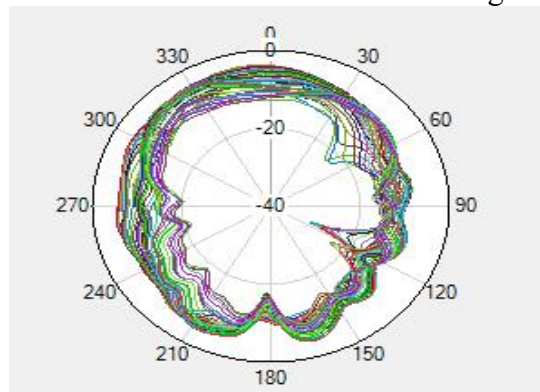


LTE B42 N77/N78 Phi=90deg

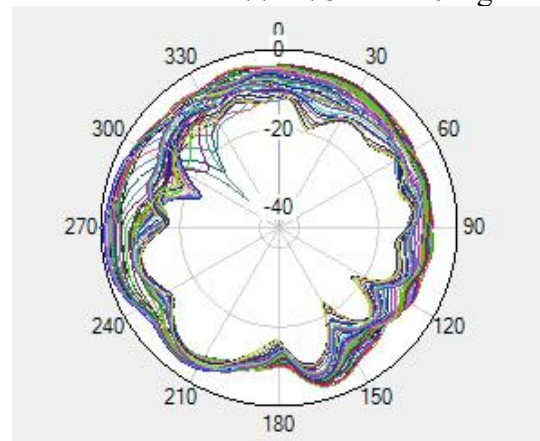
ANT8-N77/N78 DRX



LTE B42 N77/N78 Theta=90deg

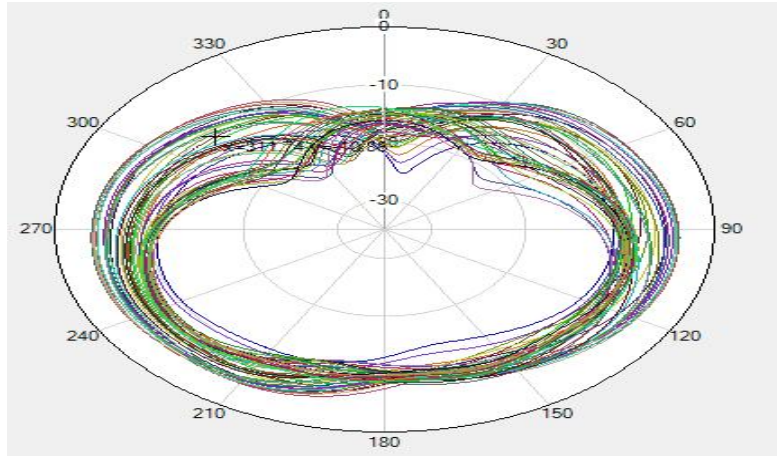


LTE B42 N77/N78 Phi=0deg

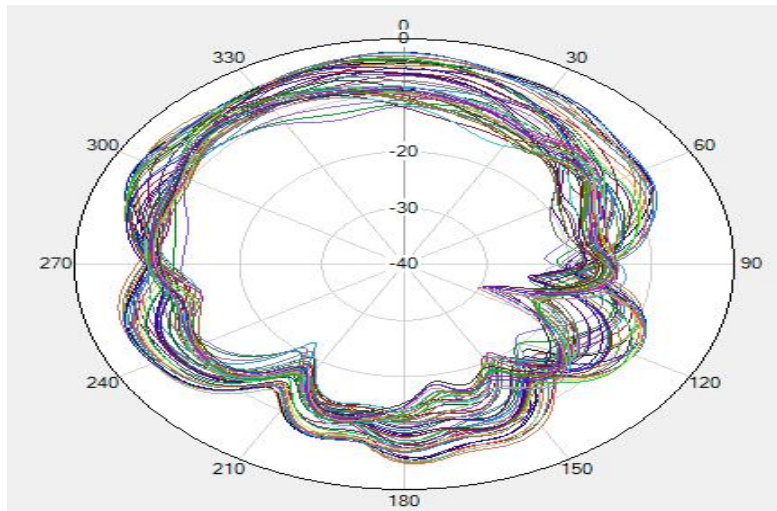


LTE B42 N77/N78 Phi=90deg

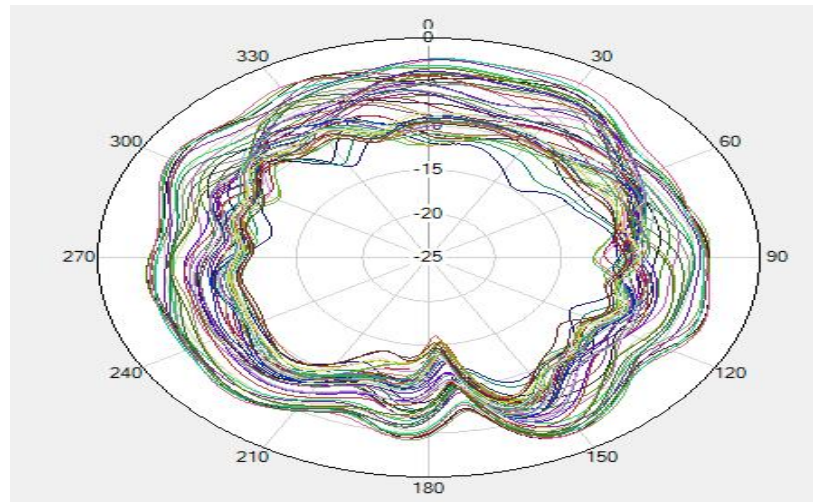
ANT7-MHB PRX



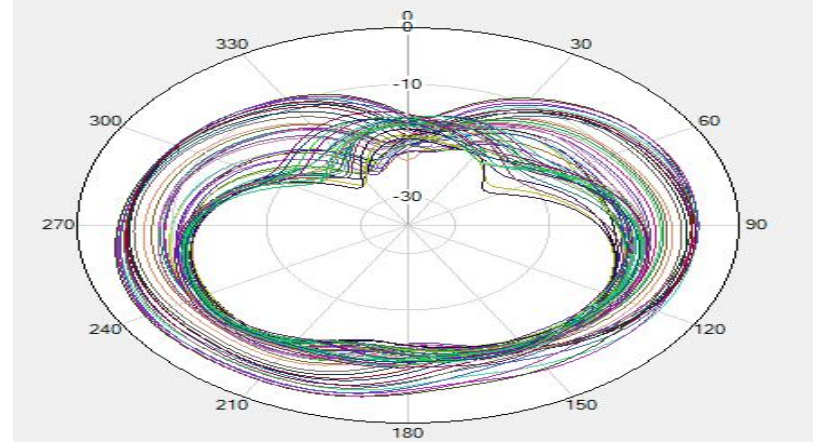
PCS WCDMA B1/B2 LTE B1/B2 NR n1 Theta=90deg



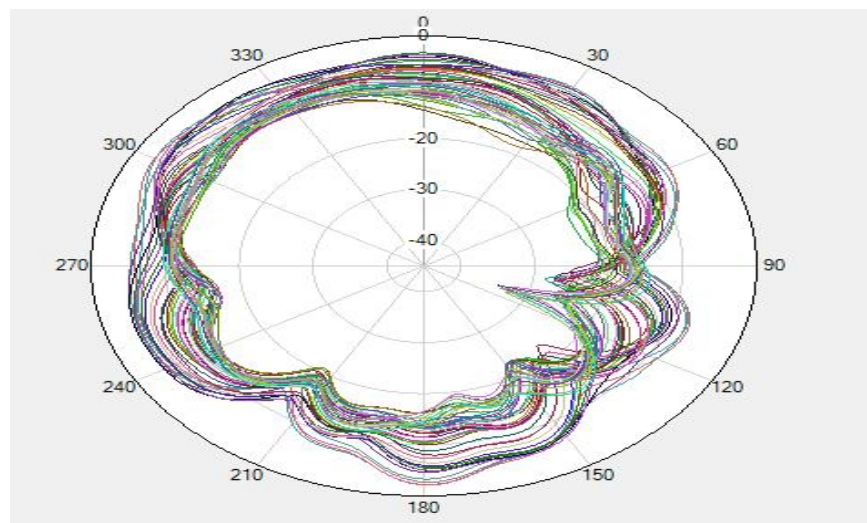
PCS WCDMA B1/B2 LTE B1/B2 NR n1 Phi=0deg



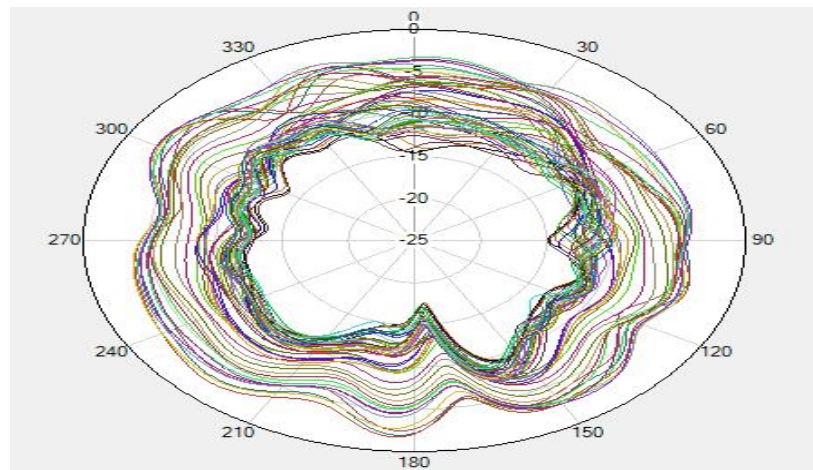
PCS WCDMA B1/B2 LTE B1/B2 NR n1 $\Phi=90^\circ$



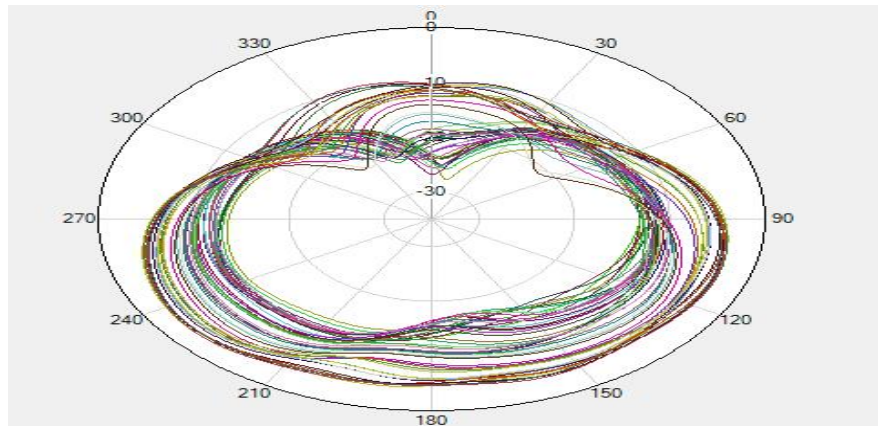
DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66 $\Theta=90^\circ$



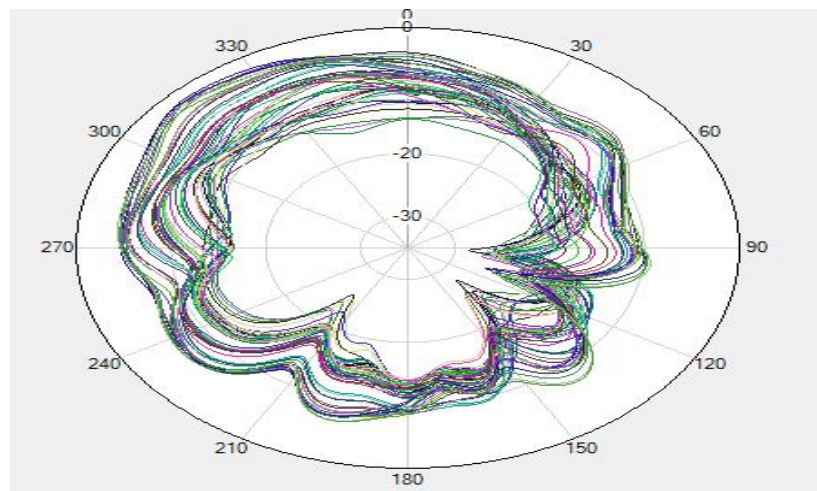
DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66 $\Phi=0^\circ$



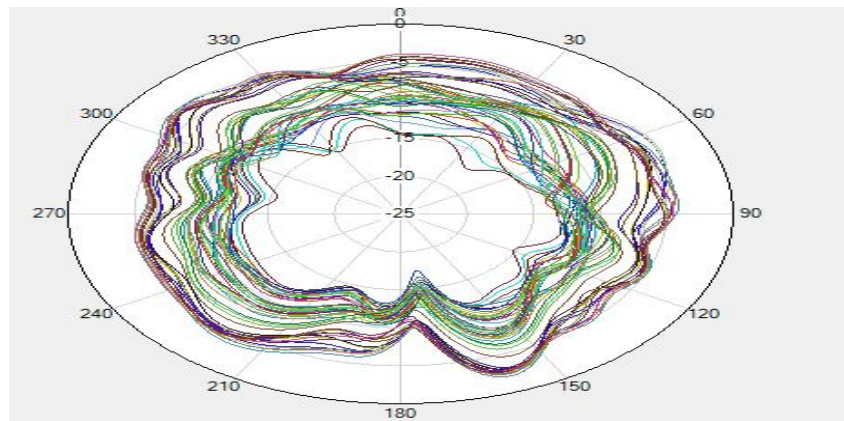
DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66 Phi=90deg



LTE B7/B38/B41 NR n7/n38/n41 Theta=90deg

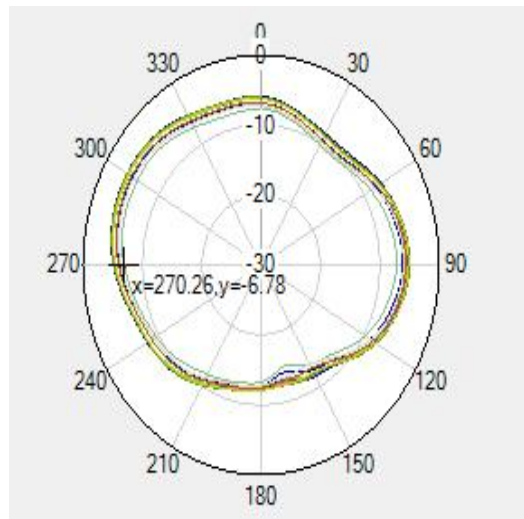


LTE B7/B38/B41 NR n7/n38/n41 Phi=0deg

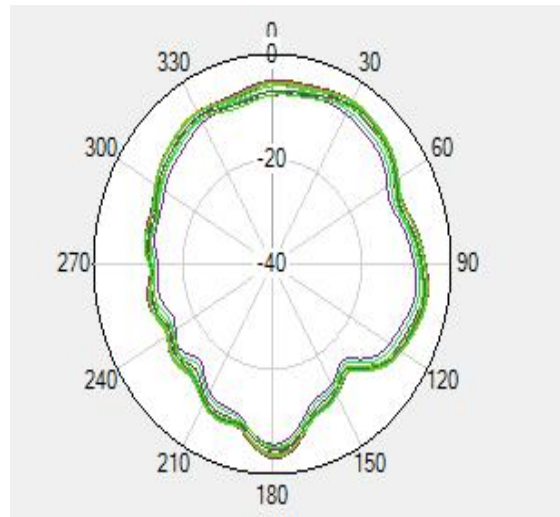


LTE B7/B38/B41 NR n7/n38/n41 Phi=90deg

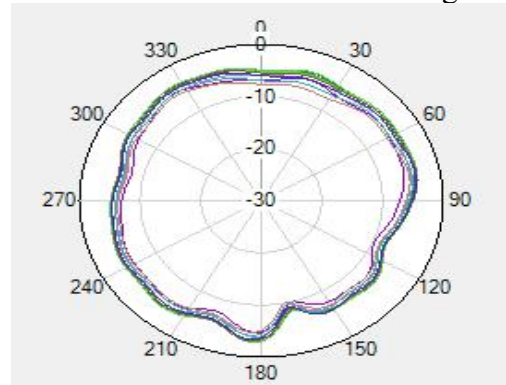
ANT12-L1+WIFI2.4CHAIN



GPS L1+2.4WIFI Theta=90deg

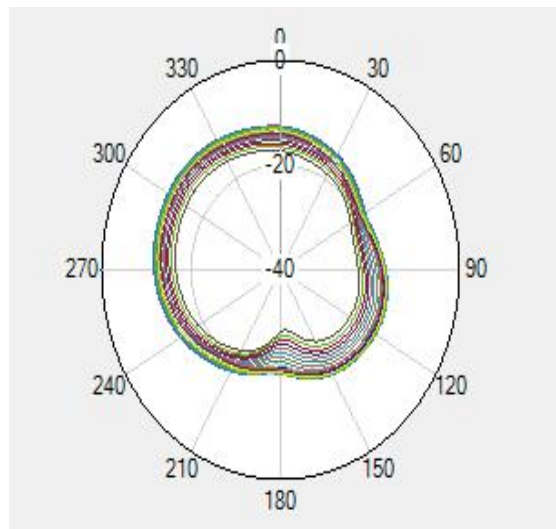


GPS L1+2.4WIFI $\Phi=0^\circ$

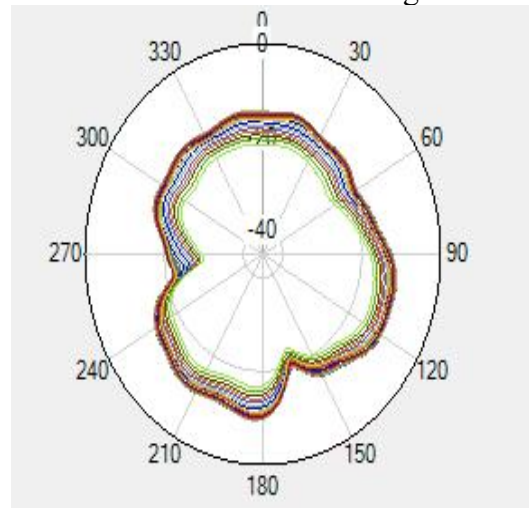


GPS L1+2.4WIFI $\Phi=90^\circ$

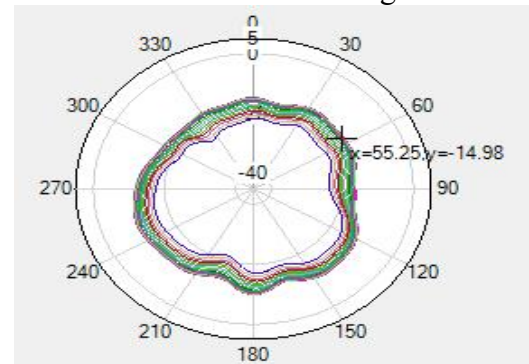
ANT15-GPS L5+WIFI 5G CHAIN



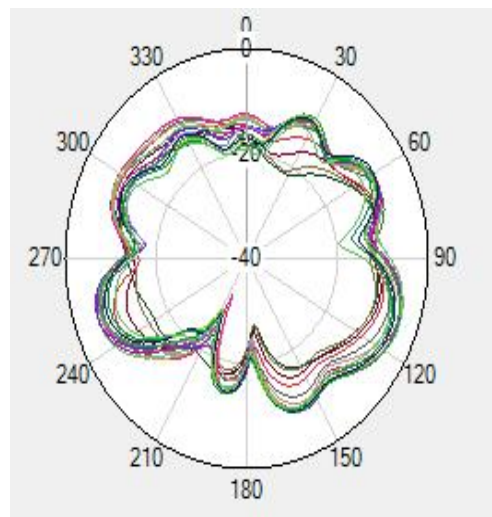
GPS L5 Theta=90deg



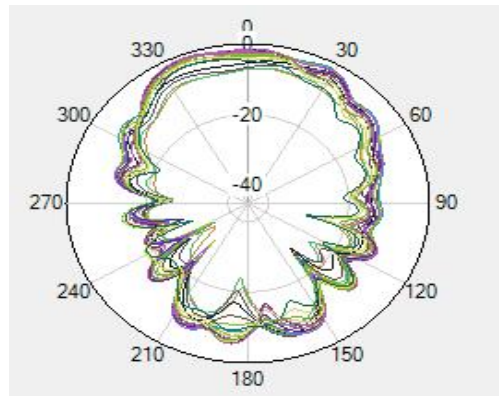
GPS L5 Phi=0deg



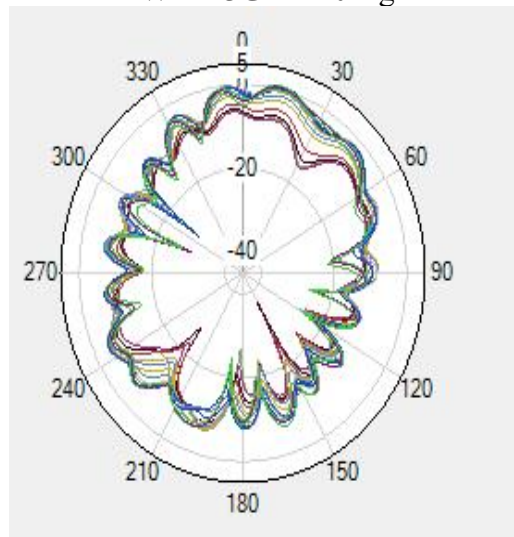
GPS L5 Phi=90deg



WIFI 5G Theta=90deg

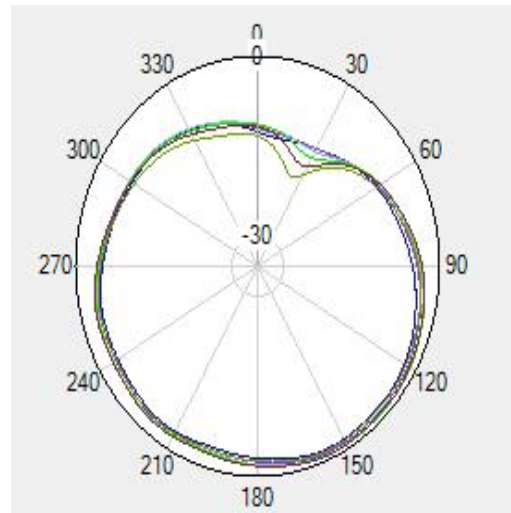


WIFI 5G $\Phi=0^\circ$

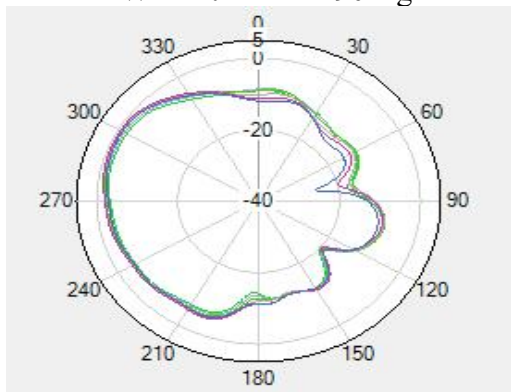


WIFI 5G $\Phi=90^\circ$

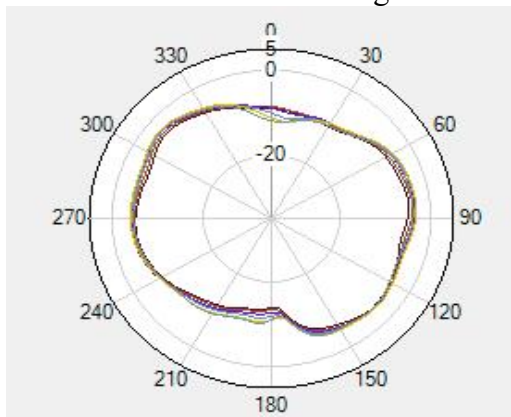
ANT14-WIFI2.4+5G CHAN1N



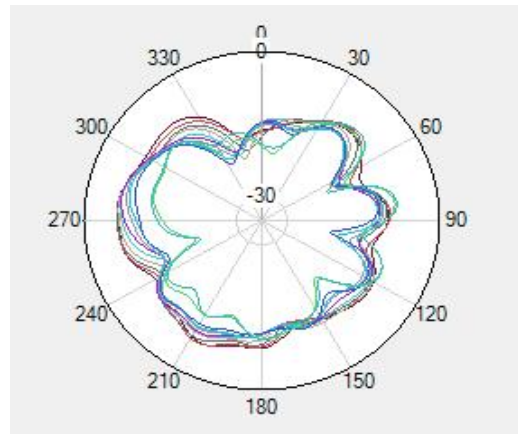
WIF12.4 Theta=90deg



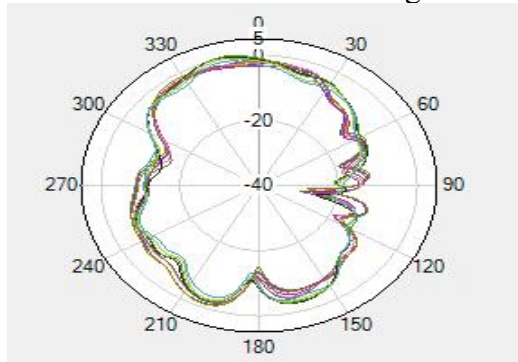
WIF12.4 Phi=0deg



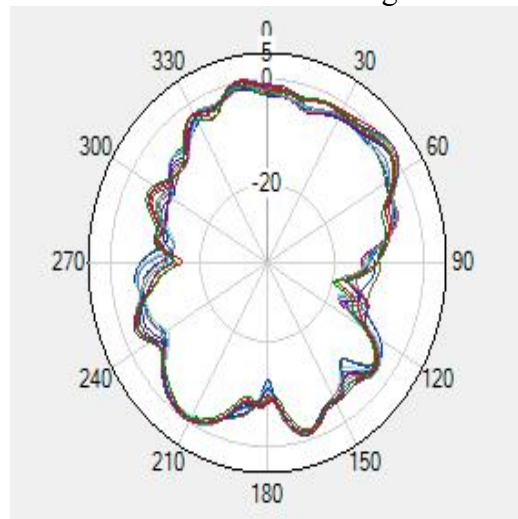
WIF12.4 Phi=90deg



WiFi 5G $\Theta = 90^\circ$



WiFi 5G $\Phi = 0^\circ$



WiFi 5G $\Phi = 90^\circ$

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
			DATE:	2023/02/05