

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/B17/B20/B28/B38/B40/B41//B42/B66

NR Mode N1/N3/N5/N7/N8/N12/N20/N28/N38/N40/N41/N66/N71/N77/N78

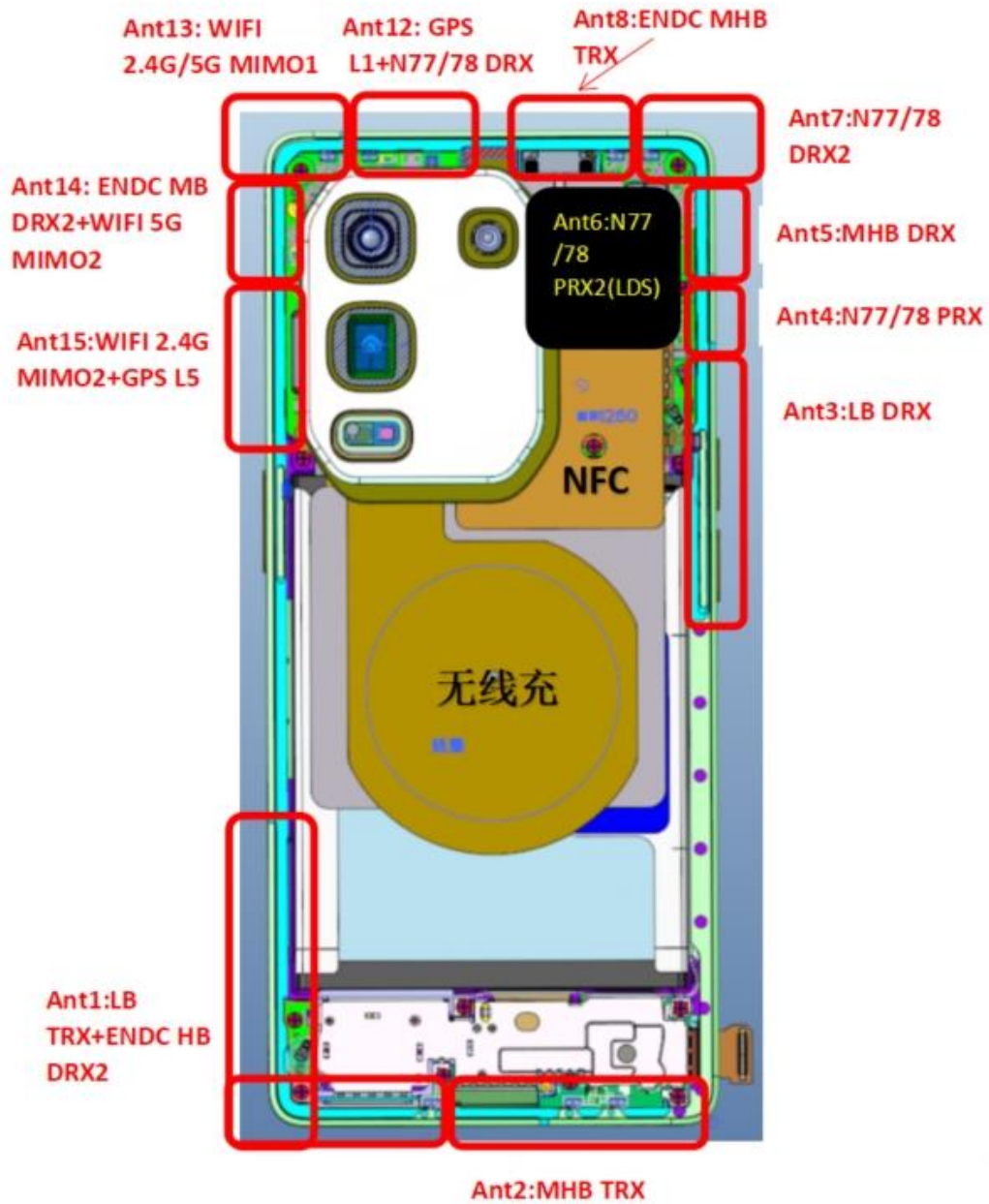
Name and address of the antenna manufacturer	Model number of the antenna
Shenzhen Wei'erchuang Communication Technology Co.,Ltd. 1st, 2nd, and 3rd floors, No. 8 Tongfu Village Industrial Zone, Xinshi Community, Dalang Street, Longhua District, Shenzhen City	X6856-XX##-TA (XX:Version-Date)

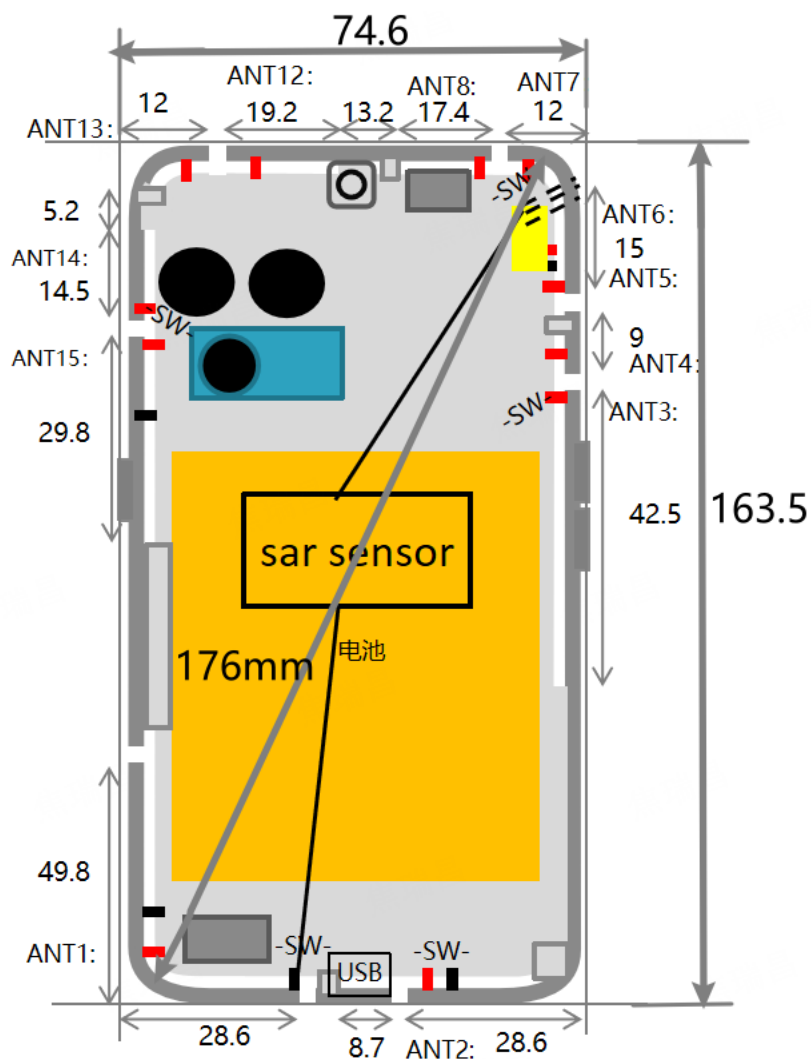
TYPE	
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5 NR n5: 824 – 849 MHz
	GSM 900/WCDMA B8/LTE B8 NR n8: 880 – 915 MHz
	DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: 1710 – 1785 MHz
	PCS/WCDMA B2/LTE B2:1850-1910MHz
	WCDMA B1/LTE B1 NR n1: 1920 – 1980MHz
	LTE B7 NR n7:2496-2565MHz
	LTE B40 NR n40:2300-2400MHz
	LTE B38/B41 NR n38/n41:2565-2645MHz
	LTE B20 NR n20:832-862MHz

		LTE B12/B17/B28 NR n12/n28:710-755MHz		
		NR n71:663-692MHz		
		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 B20 NR n20:791-821MHz		
		LTE B12/B17/B28 NR n12/n28:758-803MHz		
		NR n71:617-652MHz		
		NR n77/n78/LTE B42:3300-4200MHz		
		RF-Output Power (E.I.R.P)		GSM850/900: 32+/-2dBm
				DCS/PCS: 30+/-2dBm
LTE B1/B2/B3/ B4/B5 /B7/B8/B17/B20/B28/B38/B40/B41/B42/B66: 23+/-2dBm				
NR N1/N3//N5/N7/N8/N12/N20/N28/N38/N40/N41/N71:23 +/-2dBm				
NR N77/78:26+/-2dBm				
WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm				
Antenna Gain	ANT1(LB TRX(B20/N20 DRX)+ENDC HB DRX2)			GSM 850/WCDMA B5/LTE B5/B20/NR N5/n20: -5.2dBi
		GSM 900/WCDMA B8/LTE B8/NR N8: -5.5dBi		
		LTE B12/17/28/NR N12/28:-5.6dBi		
		N71: -5.46dBi		
	ANT2(MHB TX)	PCS&WCDMA B1/B2/LTE B1/B2/NR N1:-3.2dBi		
		DCS/WCDMA B4/LTE B3/B4/B66/NR N3/N66:-4.17dBi		
		LTE B40/NR N40:-2.48dBi		
		LTE B7/38/41/NR N7/N38/N41:-2.48dBi		
	ANT3(LB DRX(B20/N2	GSM 850/WCDMA B5/LTE B5/NR N5: -7dBi		
		GSM 900/WCDMA B8/LTE B8/NR n8:-5.7 dBi		

	0 TRX))	LTE B12/17/NR N12:-3.8dBi
		LTE B28/NR N28:-3.53dBi
		LTE B20/NR N20:-7.17dBi
		N71: -5.26dBi
	ANT4(N77/78 PRX)	LTE B42/NR N77/78:-2.56dBi
	ANT5 (MHB DRX)	WCDMA B1/LTE B1/NR N1:-1.99dBi
		DCS/PCS/WCDMA B2/B4/LTE B2/B3/B4/B66/NR N3/N66:-2.08dBi
		LTE B40/NR N40:-1.08dBi
		LTE B7/38/41/NR N7/N38/N41:-2.42dBi
	ANT6(N77/78 PRX2)	LTE B42/NR N77/78:-2.75dBi
	ANT7(N77/78 DRX2)	LTE B42/NR N77/78:-4.95dBi
	ANT8(ENDC MHB TRX)	ENDC LTE B1:-4.29dBi
		ENDC LTE B2:-4.39dBi
		ENDC LTE B3/B4/B66:-4.98dBi
		ENDC LTE B40:-4.63dBi
		ENDC LTE B7/38/41:-4.68dBi
	ANT12(GPS L1+N77/78 DRX)	GPS L1:-2.75dBi
		LTE B42/NR N77/78:-2.78dBi
	ANT13(WIFI 2.4G/5G MIMO1)	WIFI 2.4G/BT MIMO1:-2.6dBi
		WIFI 5G MIMO1:-2.61dBi
	ANT14(END C MB DRX2+WIFI 5G MIMO2)	WIFI 5G MIMO2:-0.25dBi
	ANT15(WIFI 2.4G MIMO2+GPS L5)	WIFI 2.4G MIMO2:-1.73dBi
		GPS L5:-6.36dBi
Antenna type	RF NFC WPT	Internal Antenna Internal Antenna Coil Antenna

NFC Dimensions

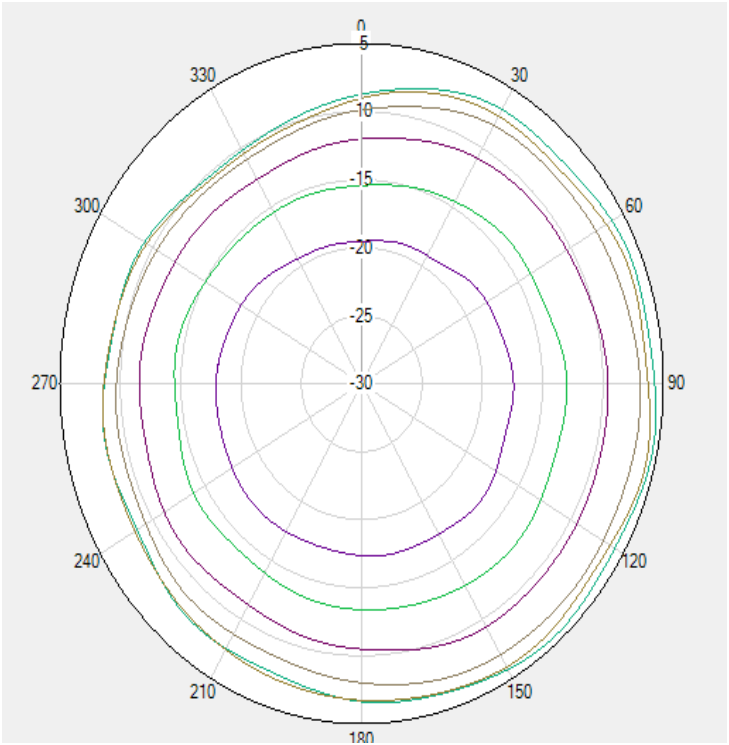




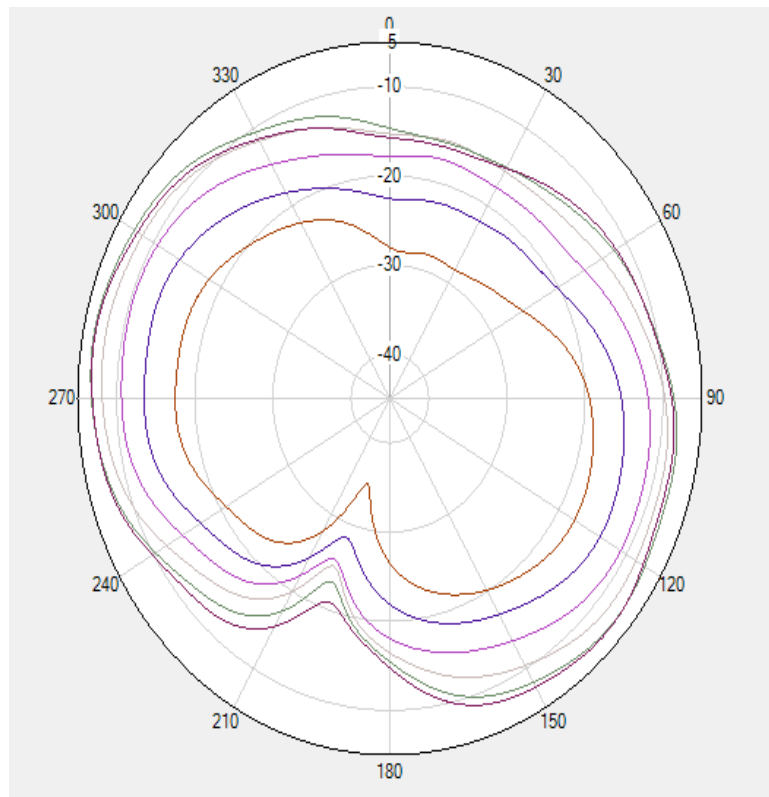
Antenna	Support Band
Ant 1	GSM850/900/WCDMA B5/B8/LTE B5/B8/B12/17/B28/NR N5/N8/N12/N28/N71 PRX<E B20/NR N20 DRX<E B7/38/40/41&NR N7/38/40/41 DRX2
Ant 2	GSM1800/1900/WCDMA B1/B2/B4/LTE B1/B2/B3/B4/B7/B38/B40/B41/B66&NR N1/N3/N7/N38/N40/N41/N66 PRX
Ant 3	GSM850/900/WCDMA B5/B8/LTE B5/B8/B12/17/B28/NR N5/N8/N12/N28/N71 DRX<E B20/NR N20 PRX
Ant 4	LTE B42&NR N77/N78 PRX
Ant 5	GSM1800/1900/WCDMA B1/B2/B4/LTE B1/B2/B3/B4/B7/B38/B40/B41/B66&NR N1/N3/N7/N38/N40/N41/N66 DRX
Ant 6	LTE B42&NR N77/N78 PRX2
Ant 7	LTE B42&NR N77/N78 DRX2
Ant 8	LTE B1/B2/B3//B4/B7/B38/B40/B41/B66/NR N1/N3/N7/N38/N40/N41 PRX MIMO

Ant 9	
Ant 10	
Ant 11	
Ant 12	GPS L1<E B42/NR N77/78 DRX
Ant 13	WIFI 2.4G/5G MIMO1
Ant 14	WIFI 5G MIMO2<E B1/B2/B3/B4/B66/NR N1/3/66 DRX2
Ant 15	WIFI 2.4G MIMO2&GPS L5

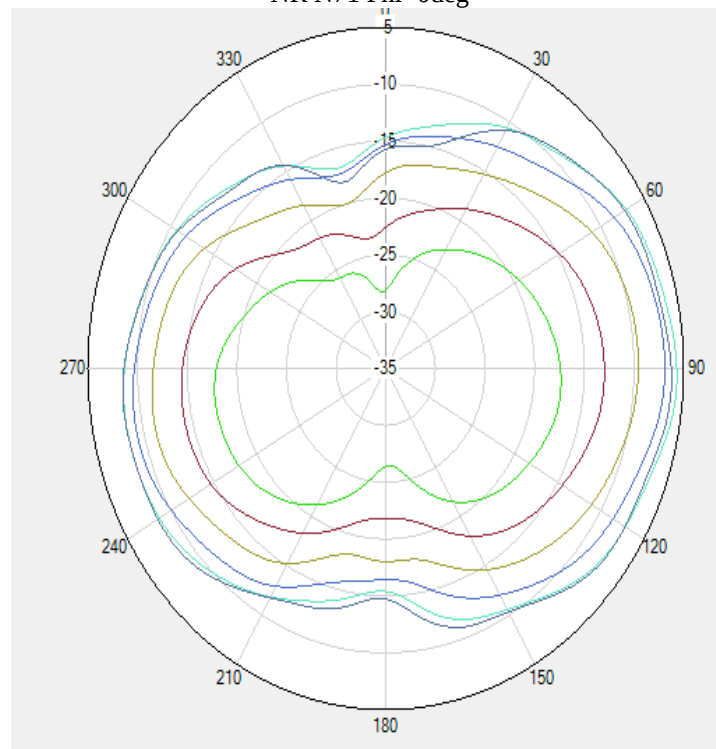
ANT1



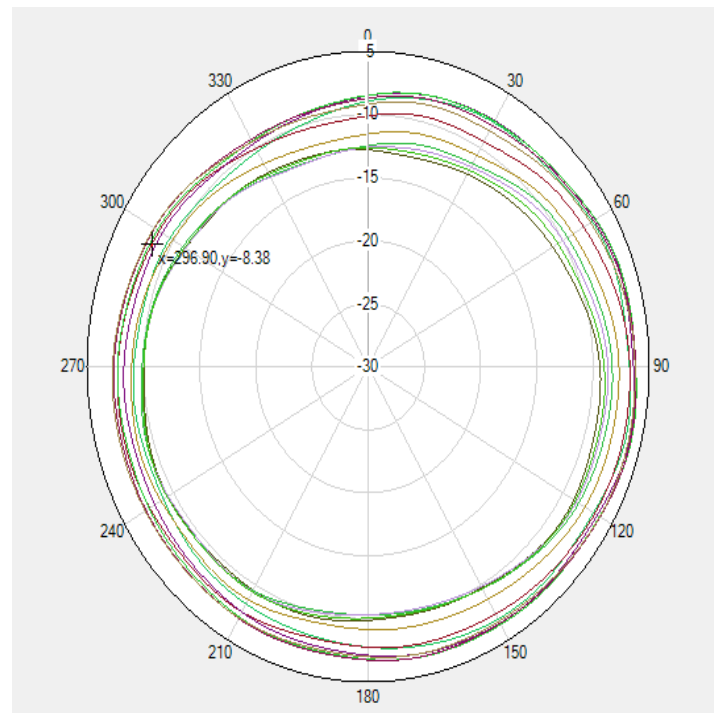
NR N71 Theta=90deg



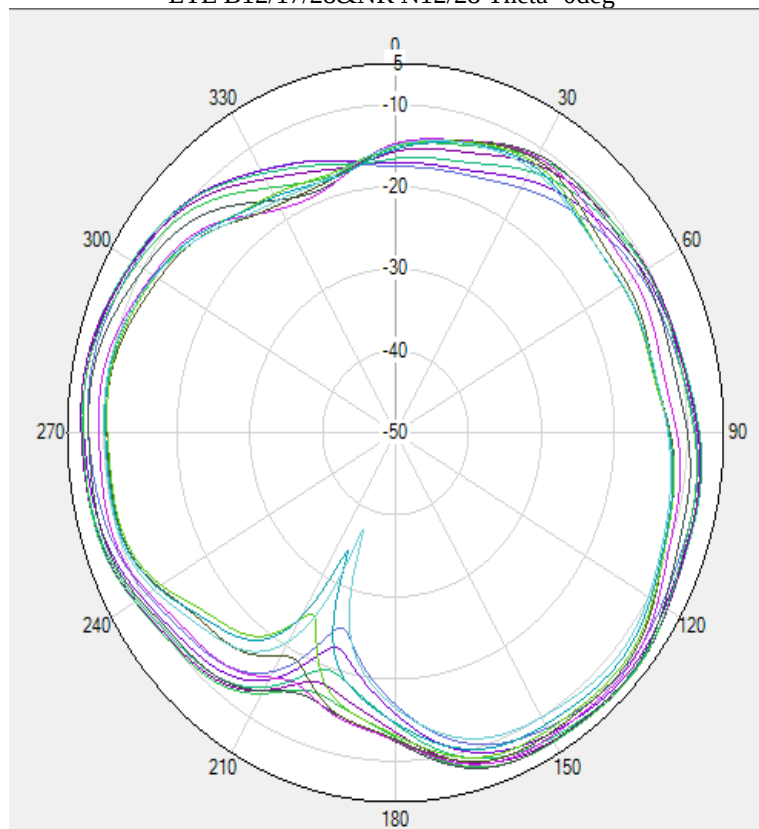
NR N71 $\Phi=0^\circ$



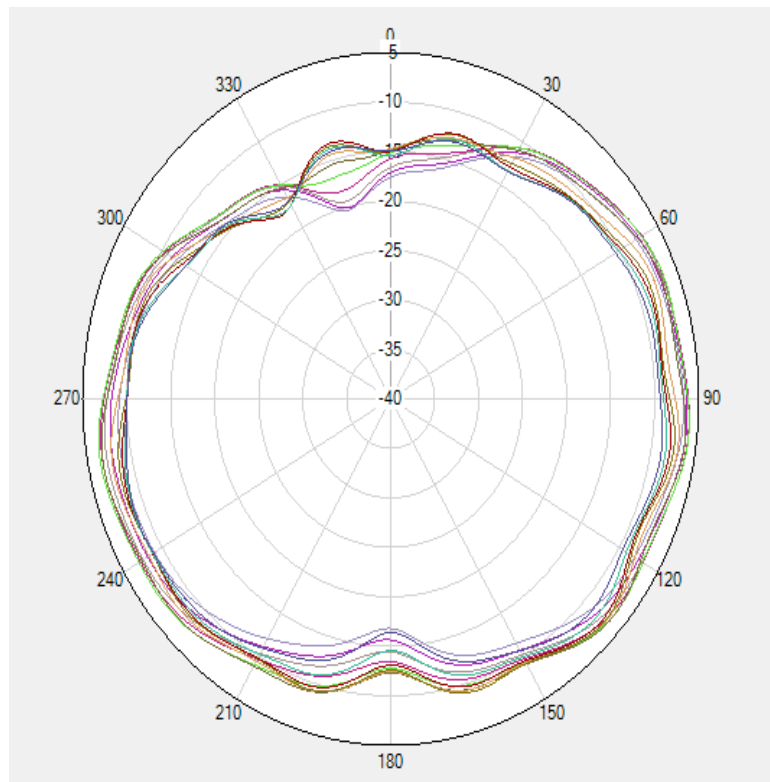
NR N71 $\Phi=90^\circ$



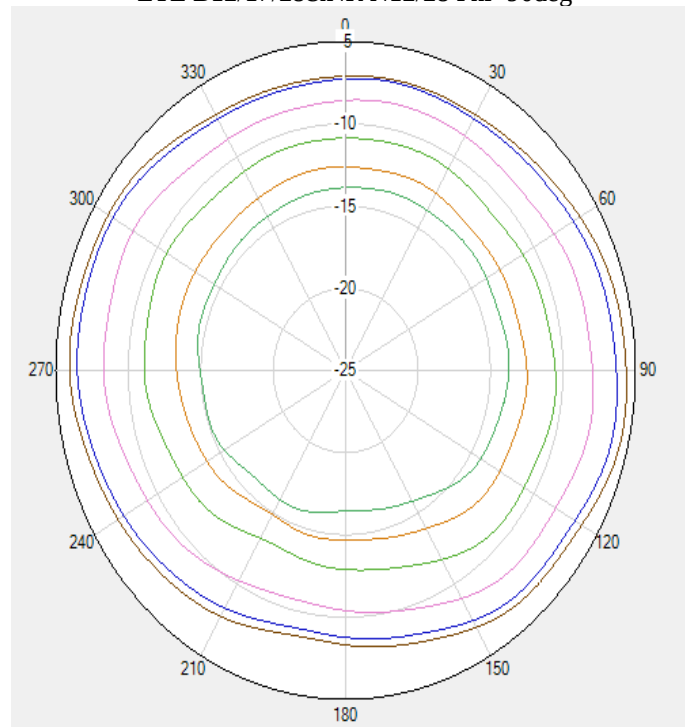
LTE B12/17/28&NR N12/28 Theta=0deg



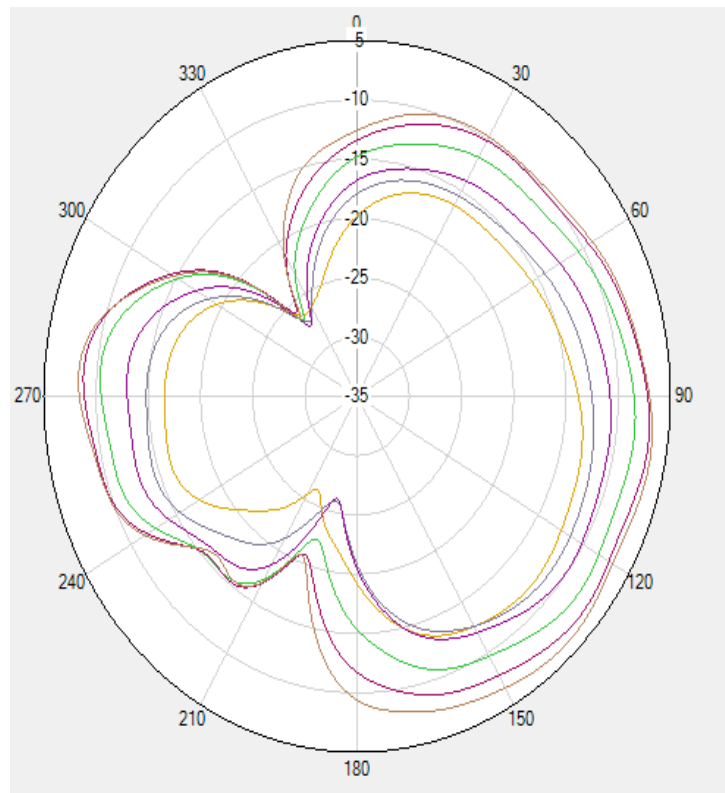
LTE B12/17/28&NR N12/28 Phi=0deg



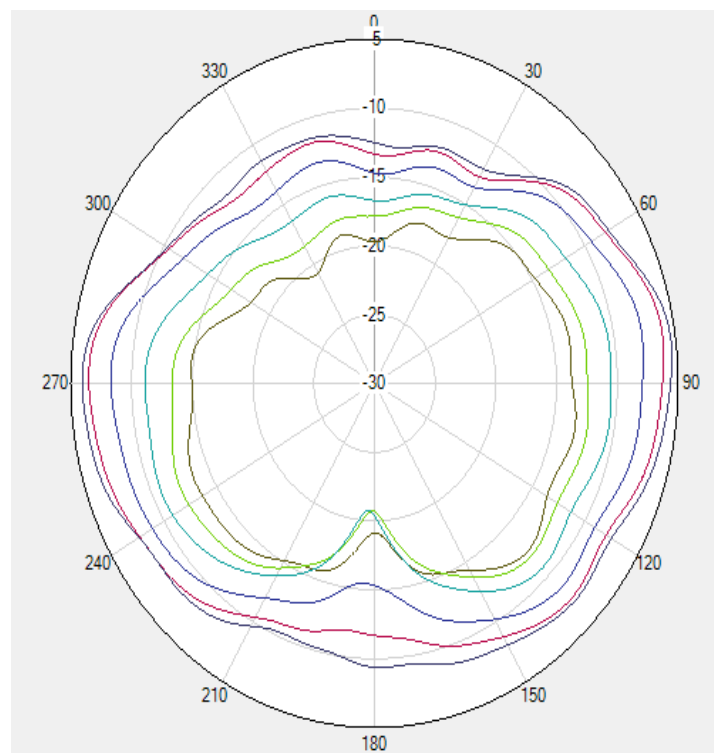
LTE B12/17/28&NR N12/28 $\Phi = 90^\circ$



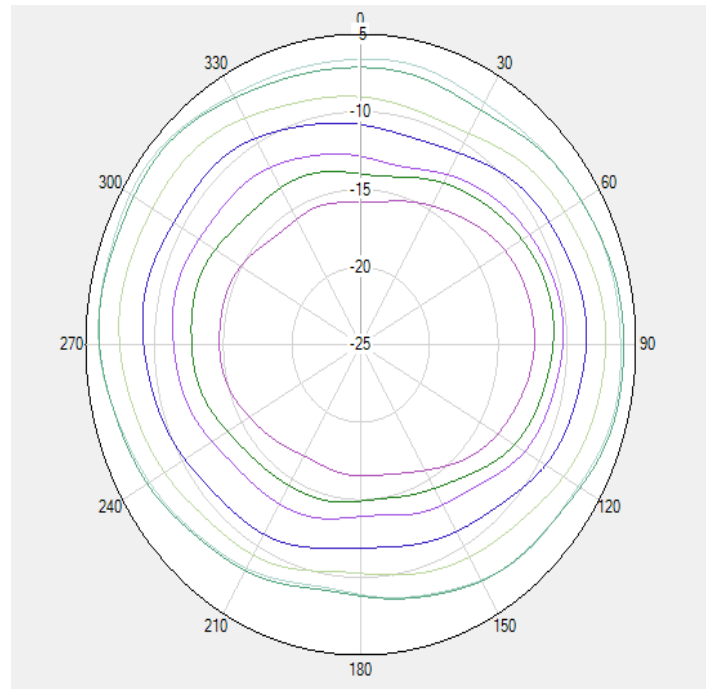
GSM 850&WCDMA B5<E B5/20&NR N5/20 $\Theta = 0^\circ$



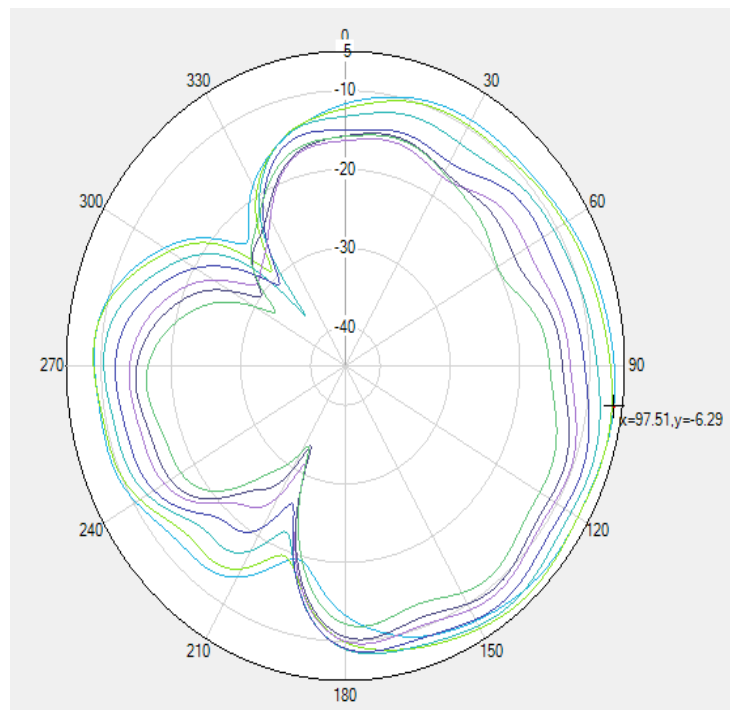
GSM 850&WCDMA B5<E B5/20&NR N5/20 $\Phi=0^\circ$



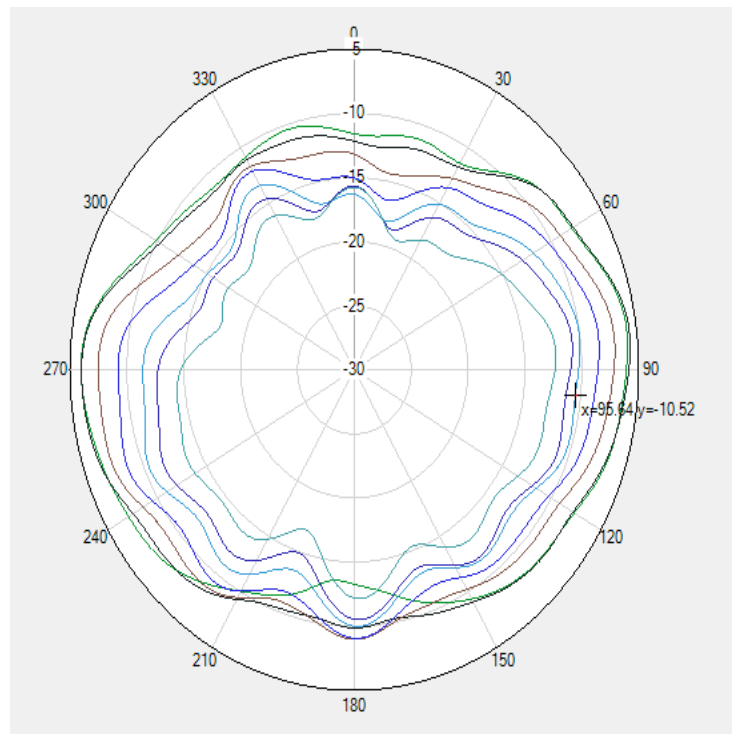
GSM 850&WCDMA B5<E B5/20&NR N5/20 $\Phi=90^\circ$



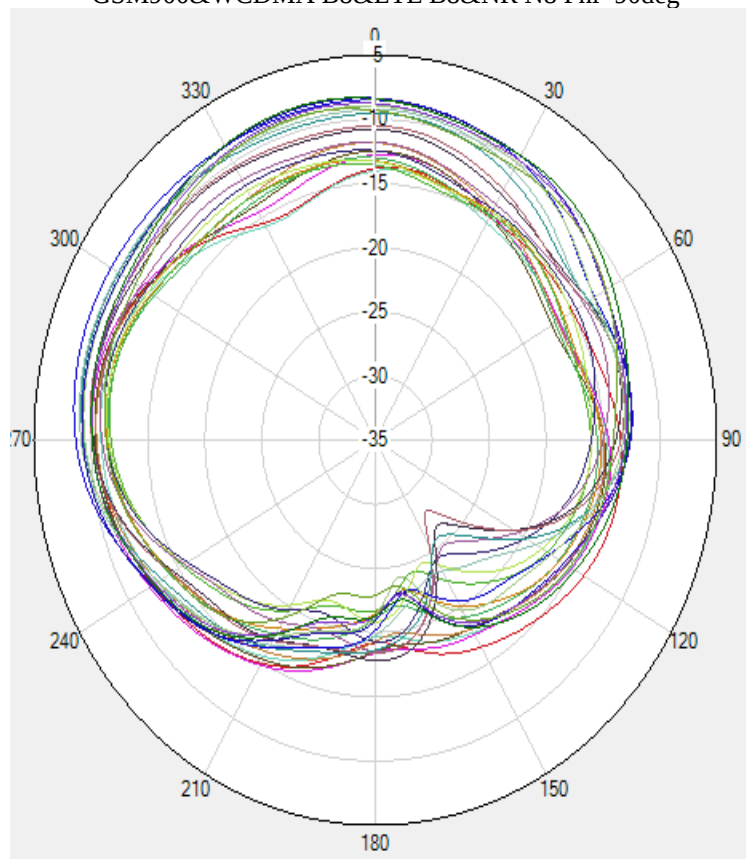
GSM900&WCDMA B8<E B8&NR N8 Theta=0deg



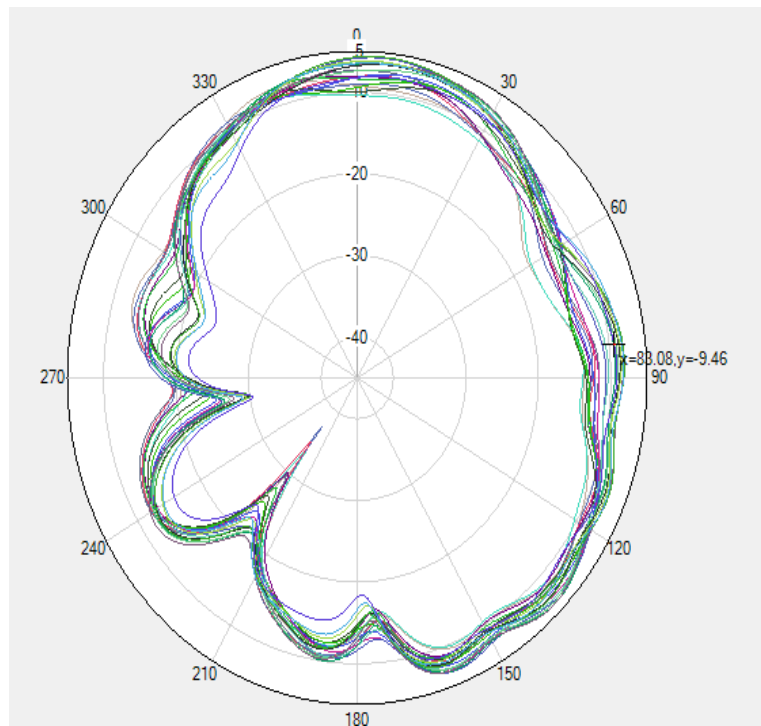
GSM900&WCDMA B8<E B8&NR N8 Phi=0deg



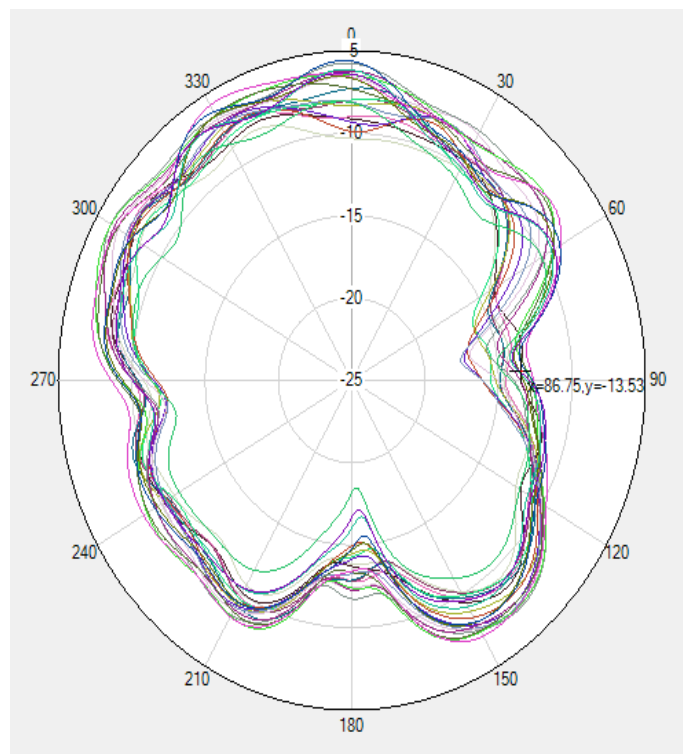
GSM900&WCDMA B8<E B8&NR N8 $\Phi=90^\circ$



ENDC B7/B38/40/41 DRX2 $\Theta=0^\circ$

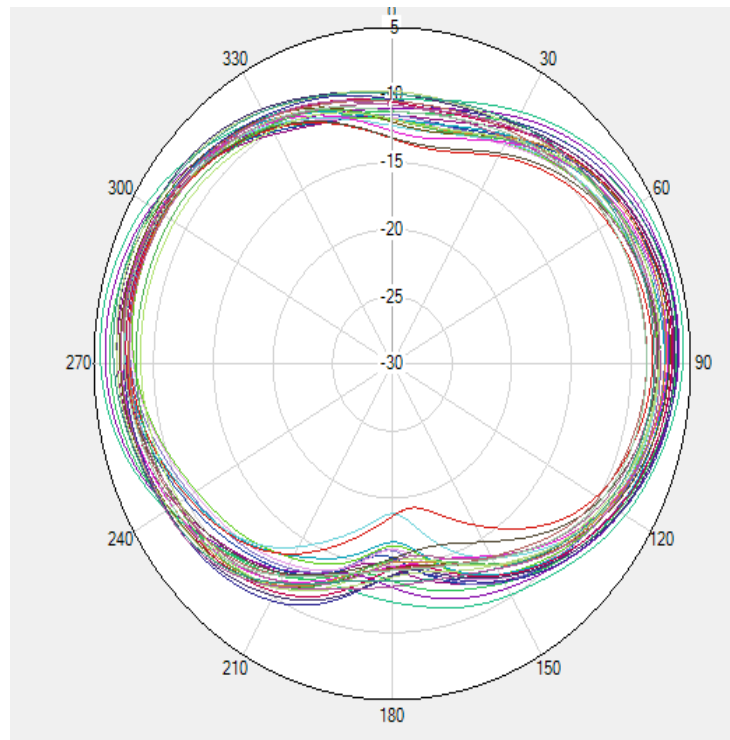


ENDC B7/B38/40/41 DRX2 $\Phi=0^\circ$

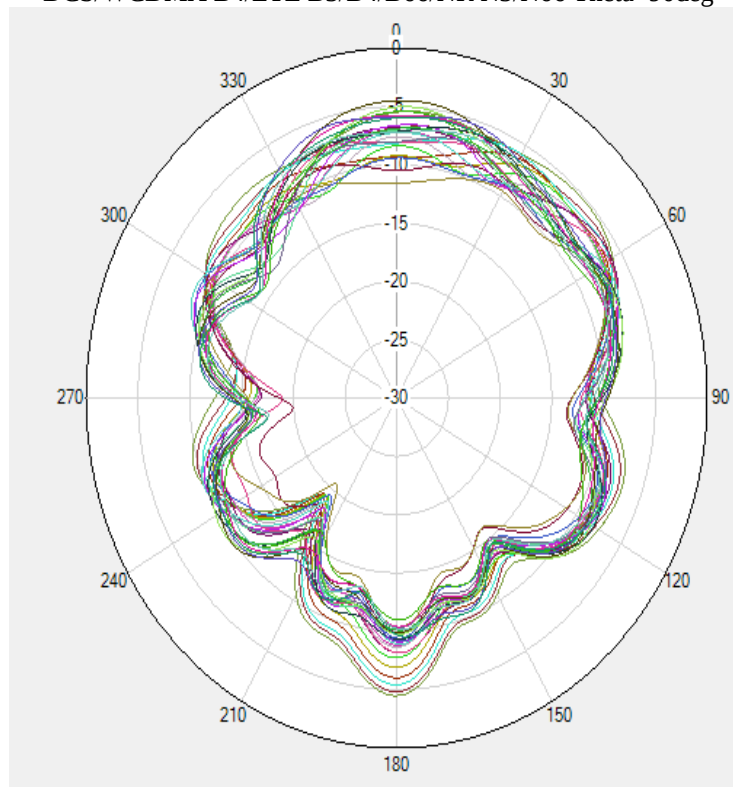


ENDC B7/B38/40/41 DRX2 $\Phi=90^\circ$

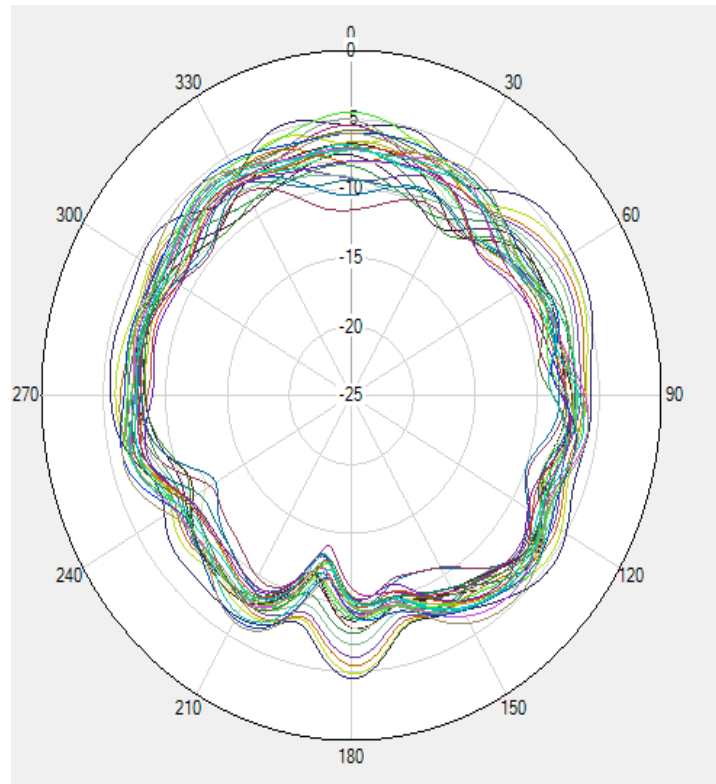
ANT2



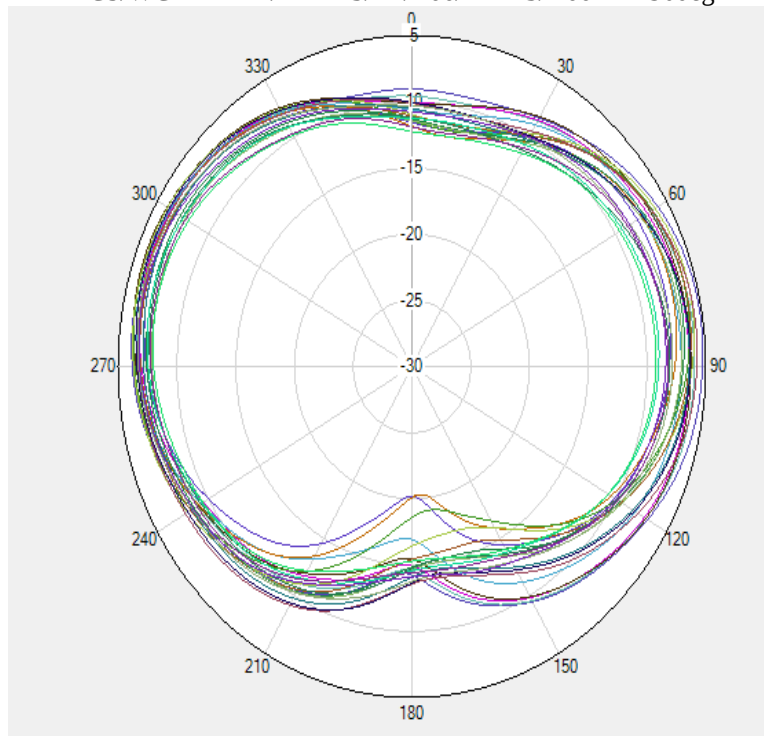
DCS/WCDMA B4/LTE B3/B4/B66/NR N3/N66 $\Theta=90^\circ$



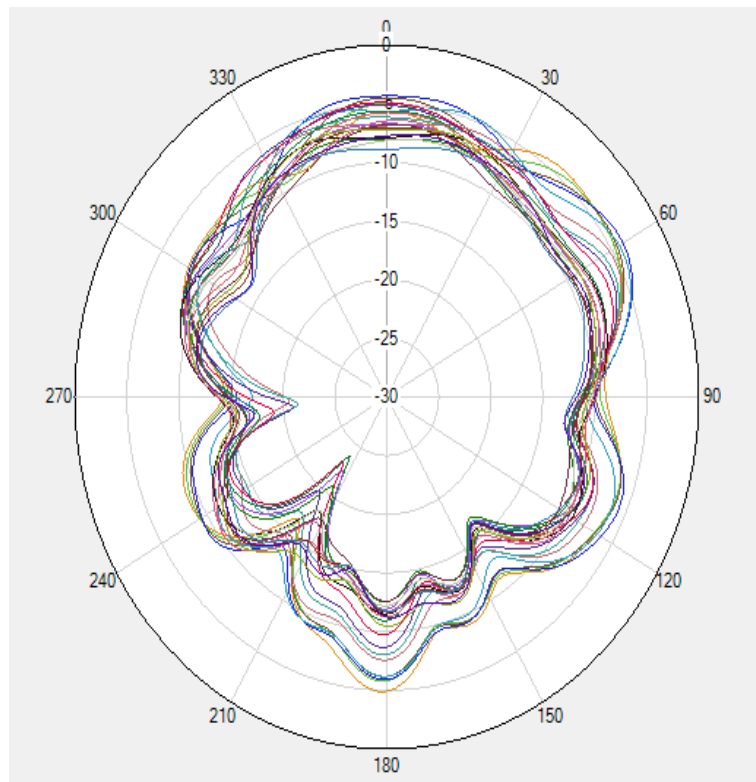
DCS/WCDMA B4/LTE B3/B4/B66/NR N3/N66 $\Phi=0^\circ$



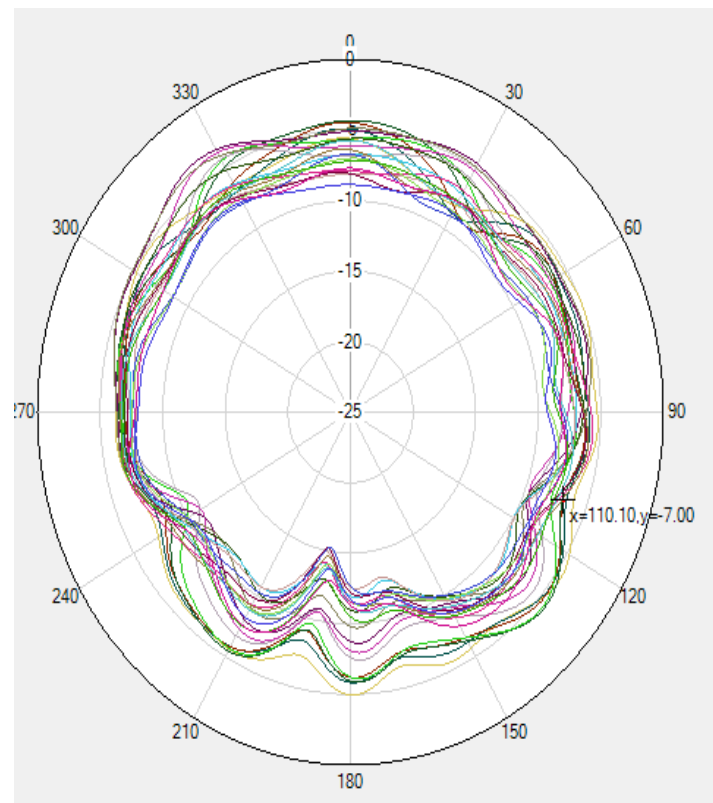
DCS/WCDMA B4/LTE B3/B4/B66/NR N3/N66 $\Phi=90^\circ$



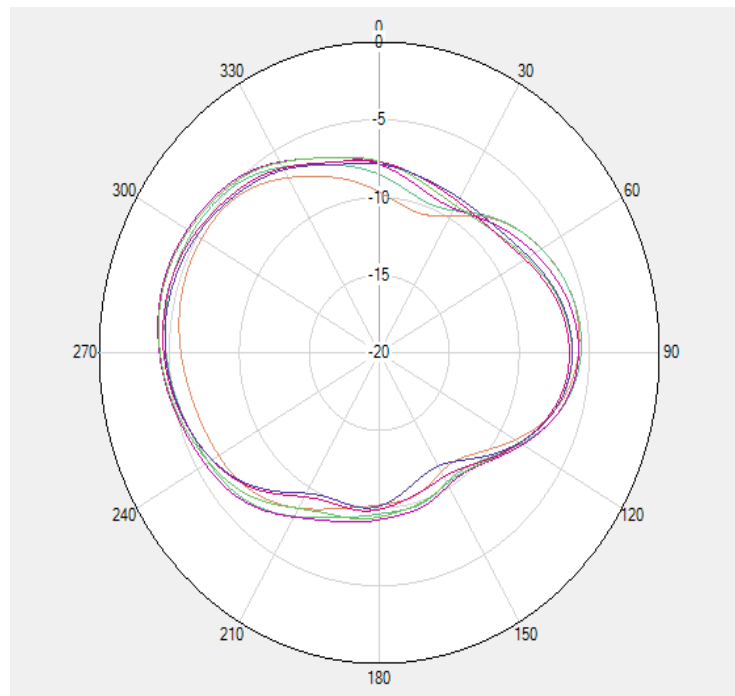
PCS/WCDMA B2/LTE B1/B2/NR N1 $\Theta=90^\circ$



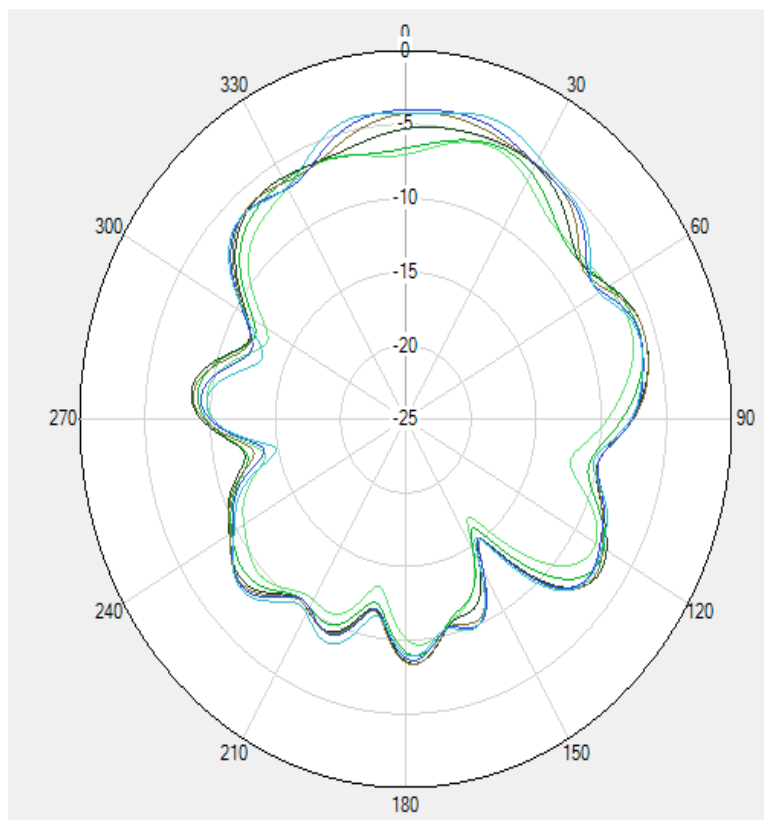
PCS/WCDMA B2/LTE B1/B2/NR N1 $\Phi=0^\circ$



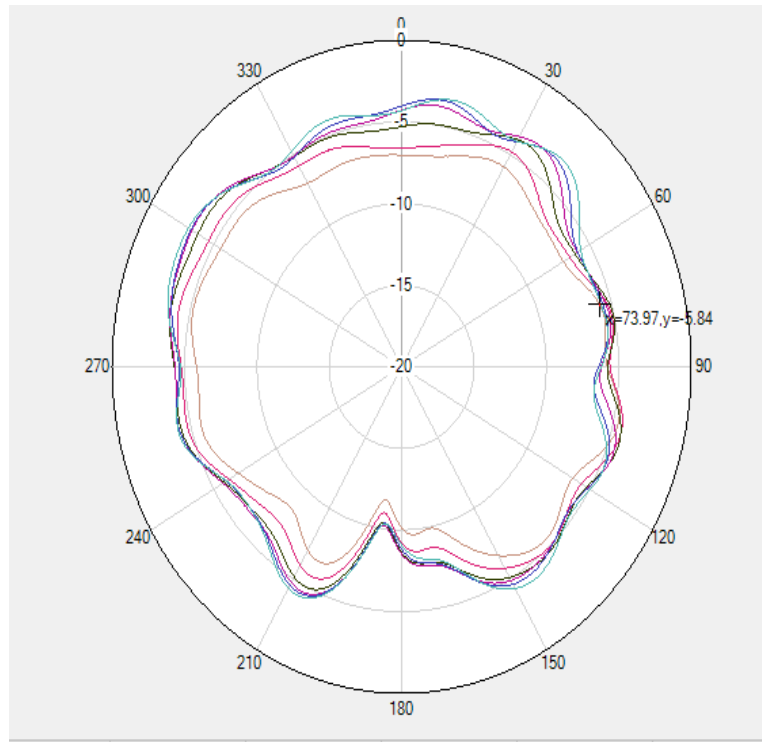
PCS/WCDMA B2/LTE B1/B2/NR N1 Phi=90deg



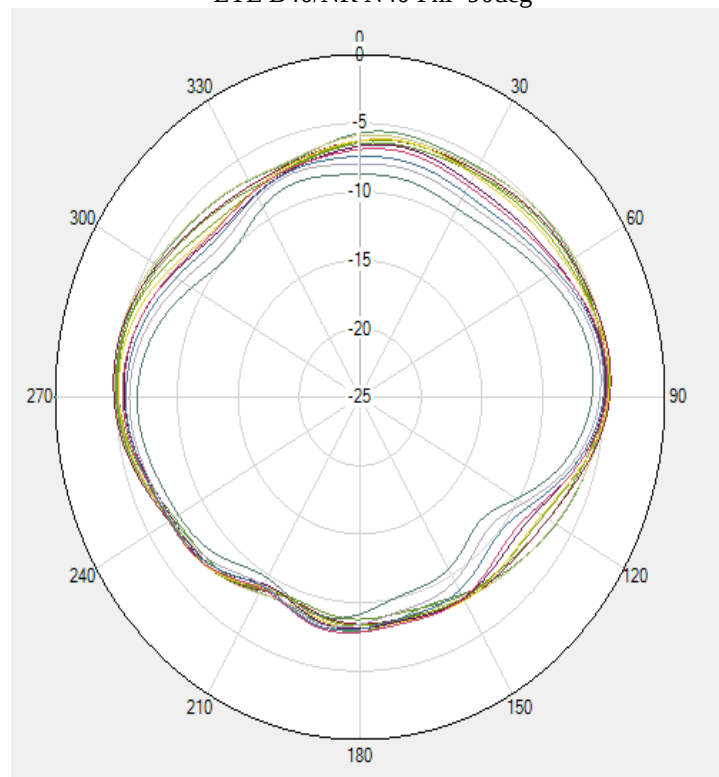
LTE B40/NR N40 Theta=90deg



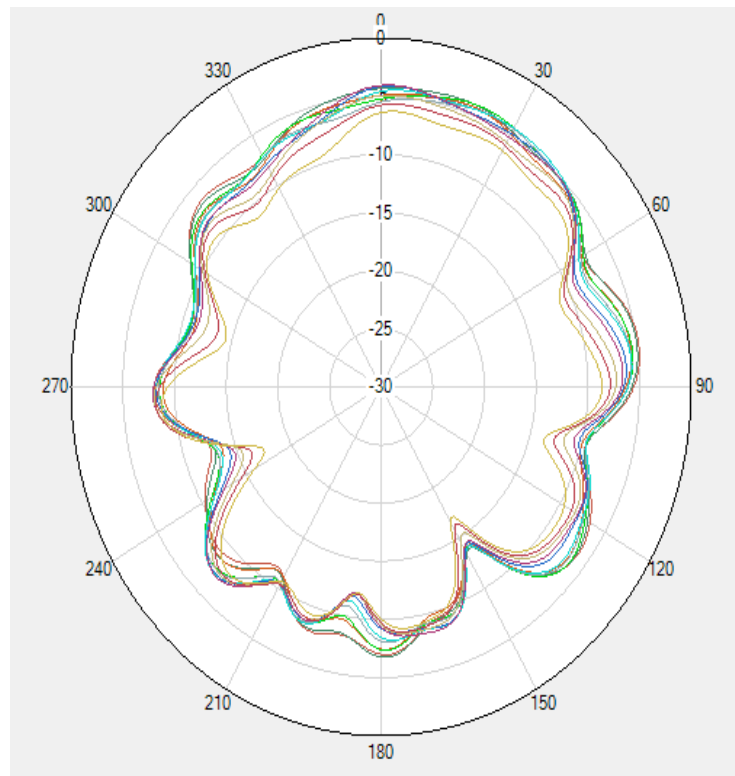
LTE B40/NR N40 Phi=0deg



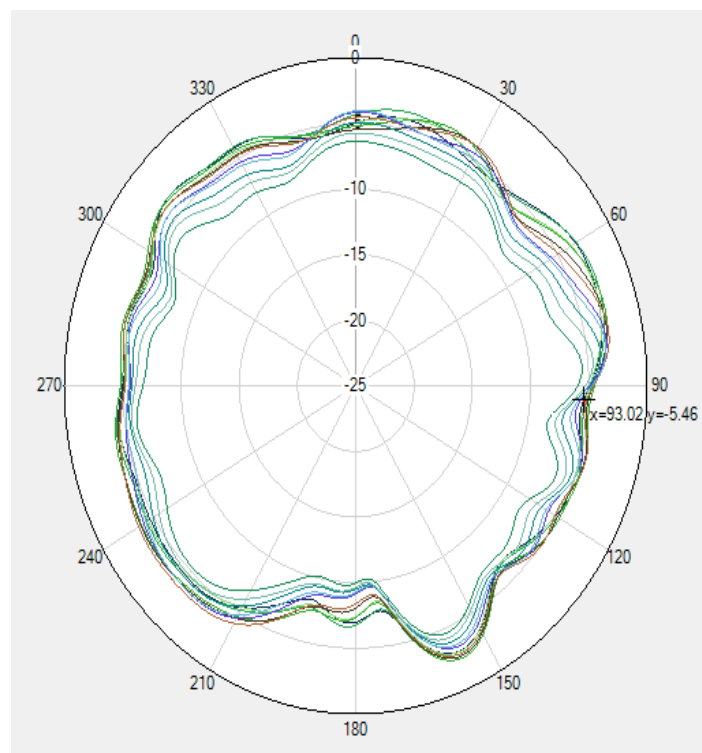
LTE B40/NR N40 Phi=90deg



LTE B7/38/B41/NR N7/N38/N41 Theta=90deg

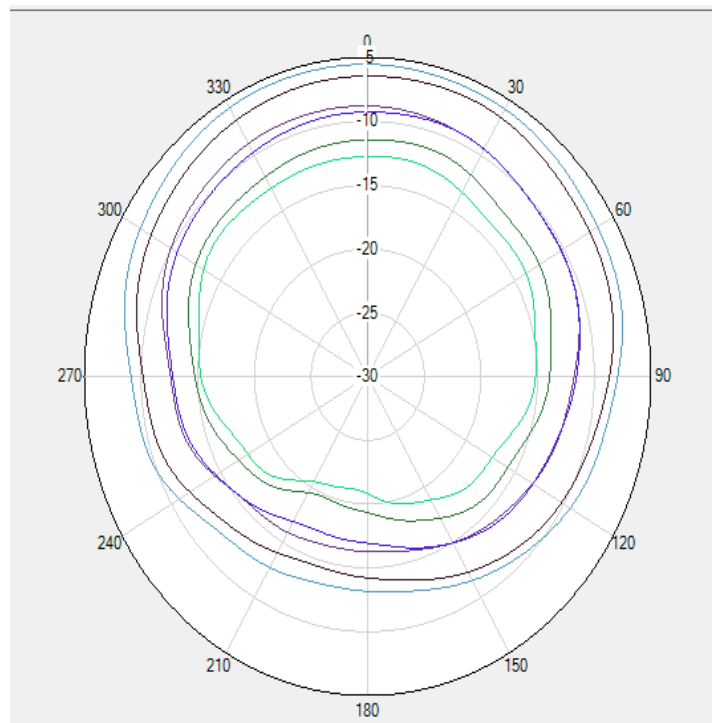


LTE B7/38/B41/NR N7/N38/N41 $\Phi=0^\circ$

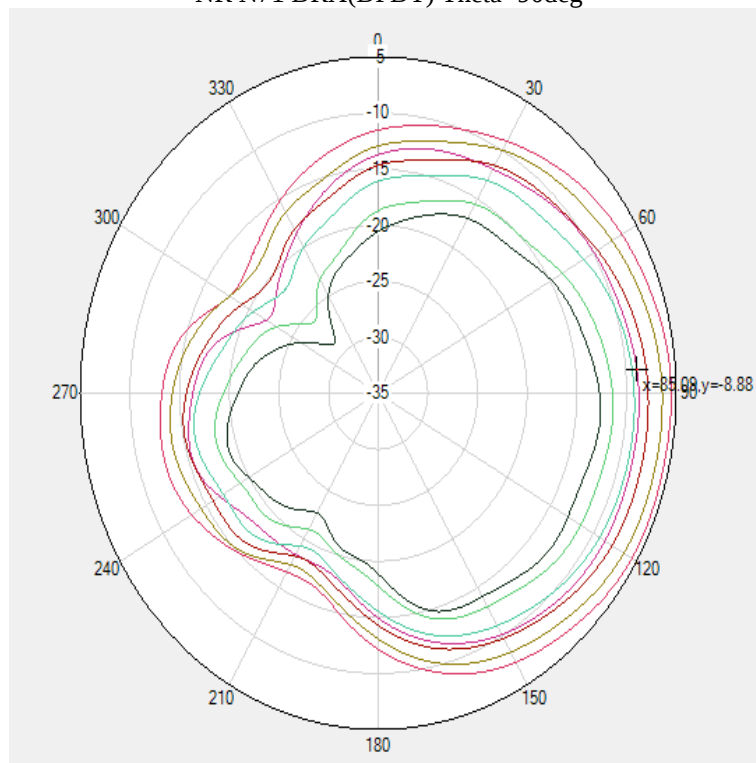


LTE B7/38/B41/NR N7/N38/N41 $\Phi=90^\circ$

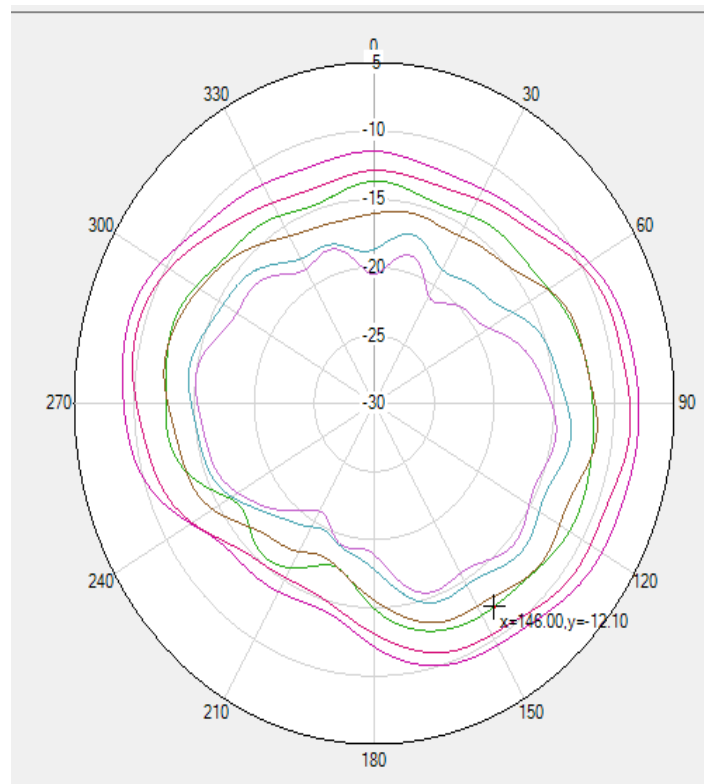
ANT3



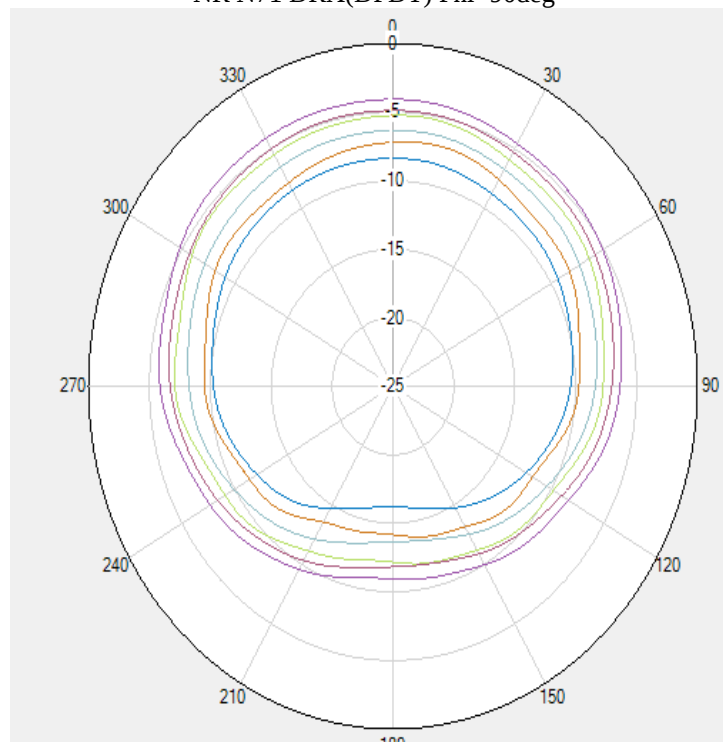
NR N71 DRX(DPDT) Theta=90deg



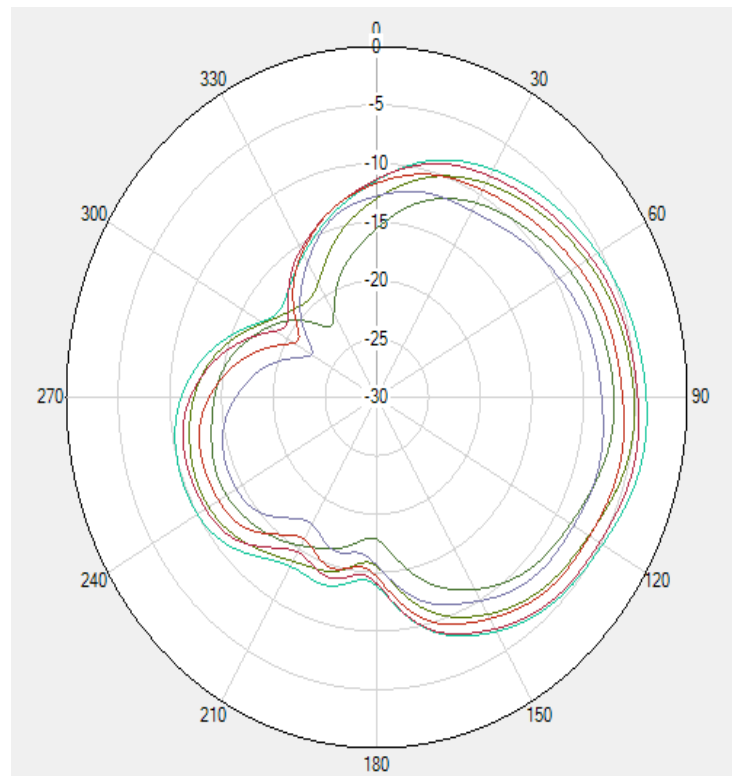
NR N71 DRX(DPDT) Phi=0deg



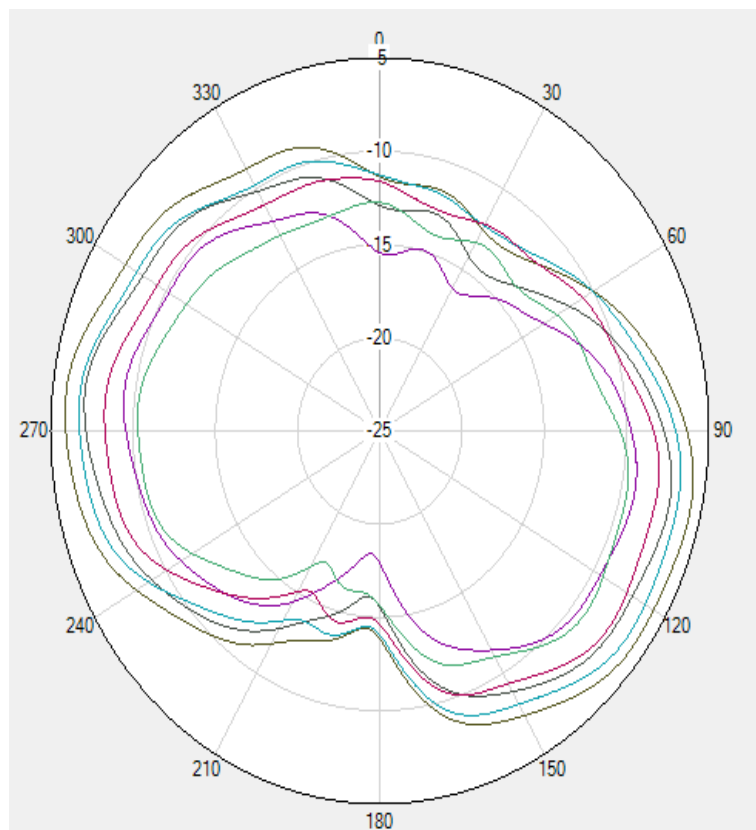
NR N71 DRX(DPDT) $\Phi=90^\circ$



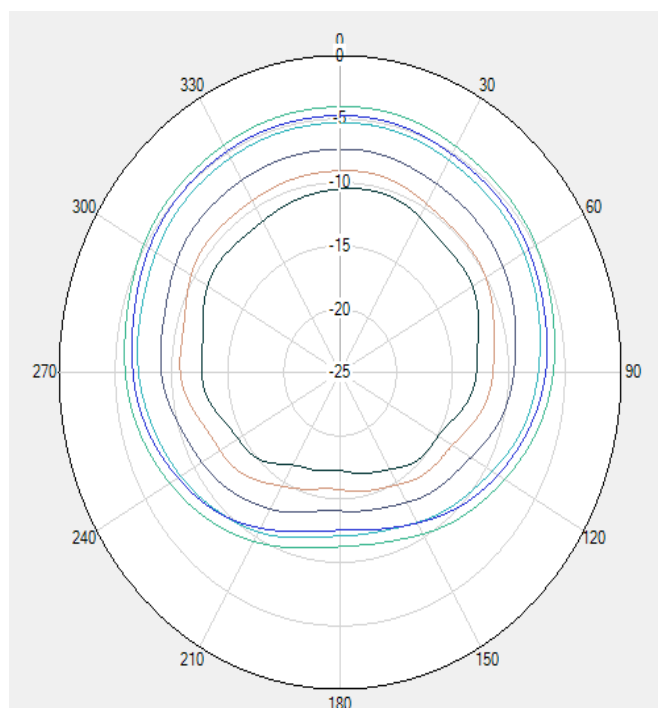
LTE B12/17&NR N12 DRX(DPDT) $\Theta=90^\circ$



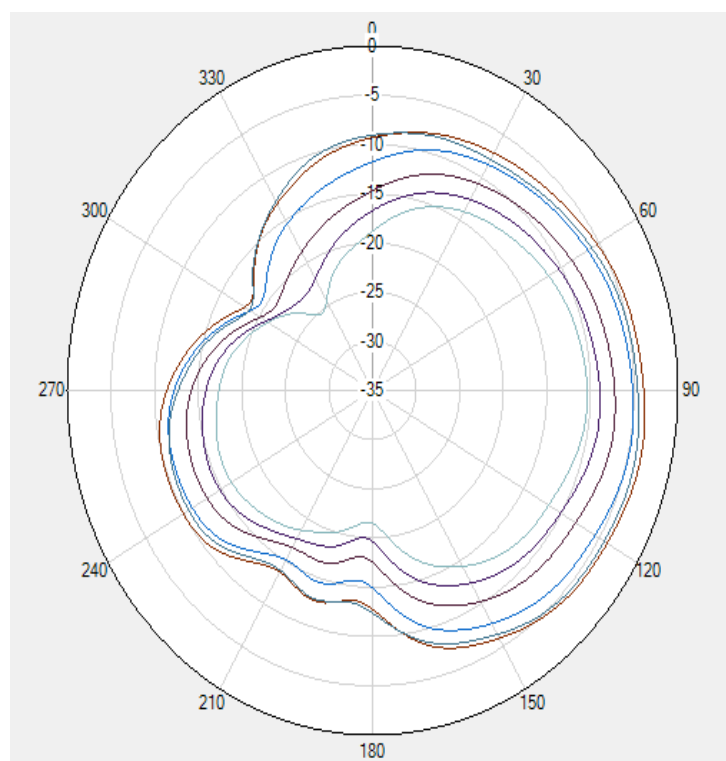
LTE B12/17&NR N12 DRX(DPDT) Phi=0deg



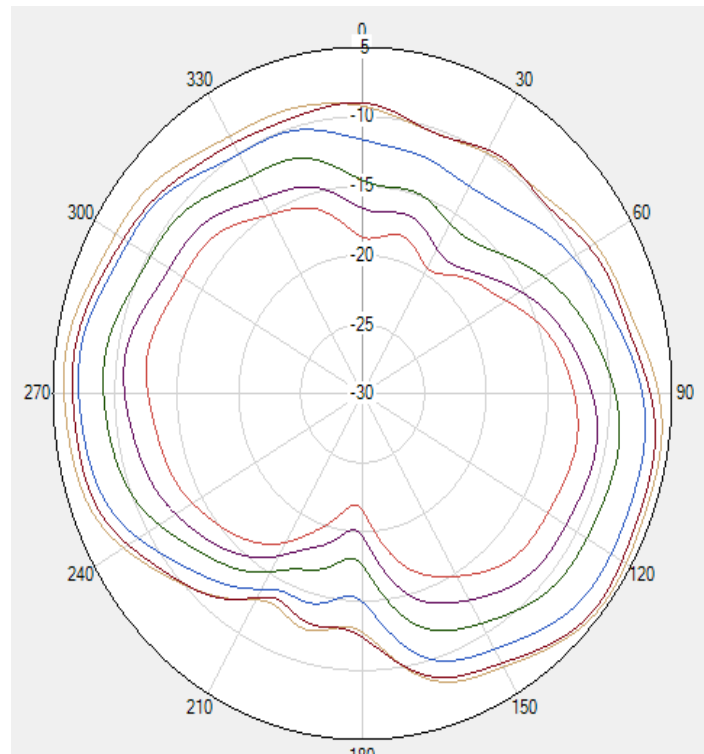
LTE B12/17&NR N12 DRX(DPDT) $\Phi=90^\circ$



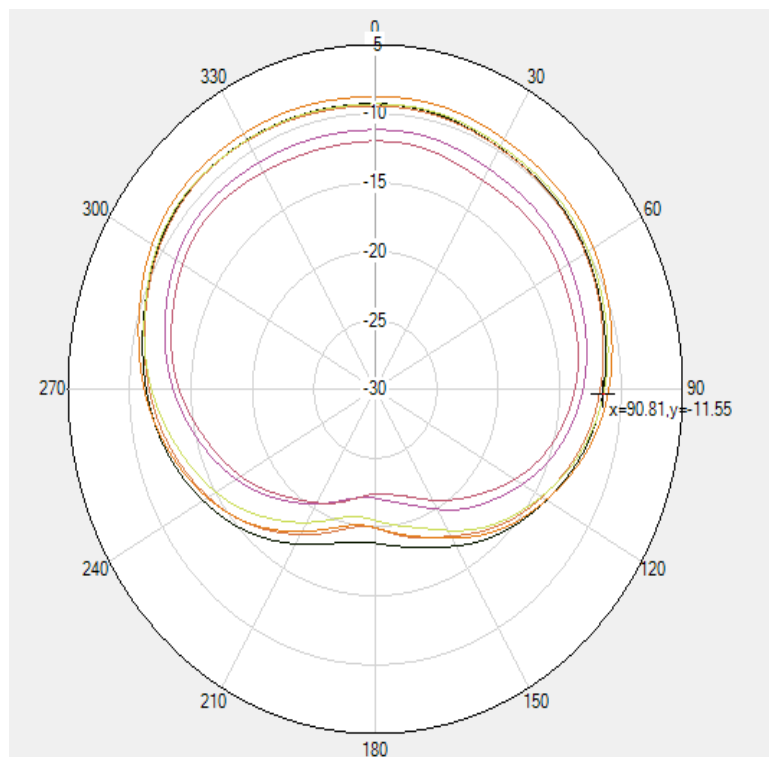
LTE B28&NR N28 DRX(DPDT) $\Theta=90^\circ$



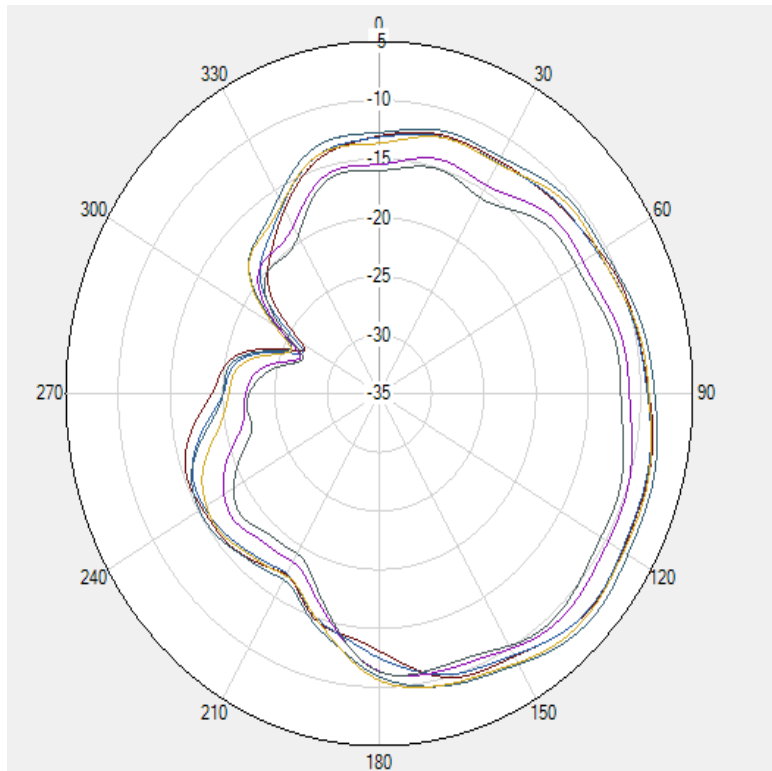
LTE B28&NR N28 DRX(DPDT) $\Phi=0^\circ$



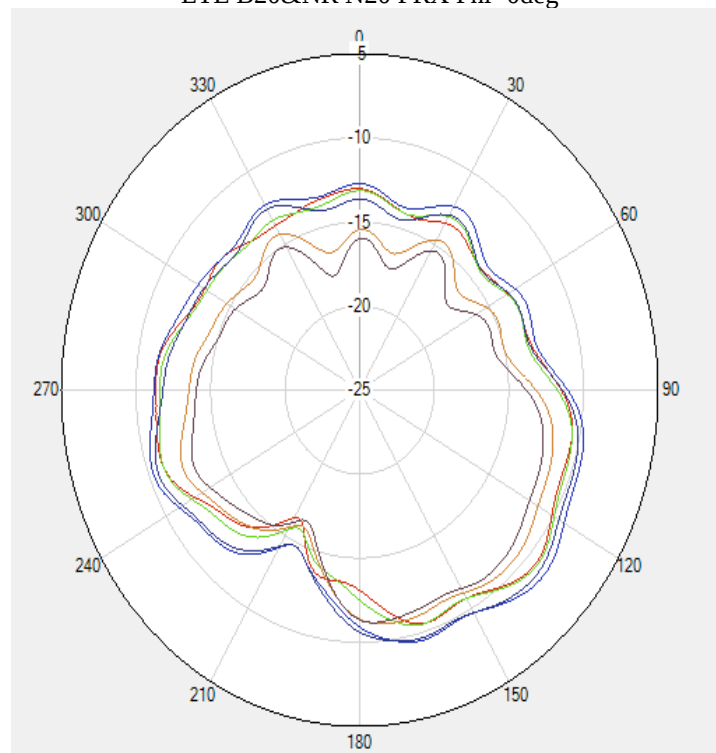
LTE B28&NR N28 DRX(DPDT) $\Phi=90^\circ$



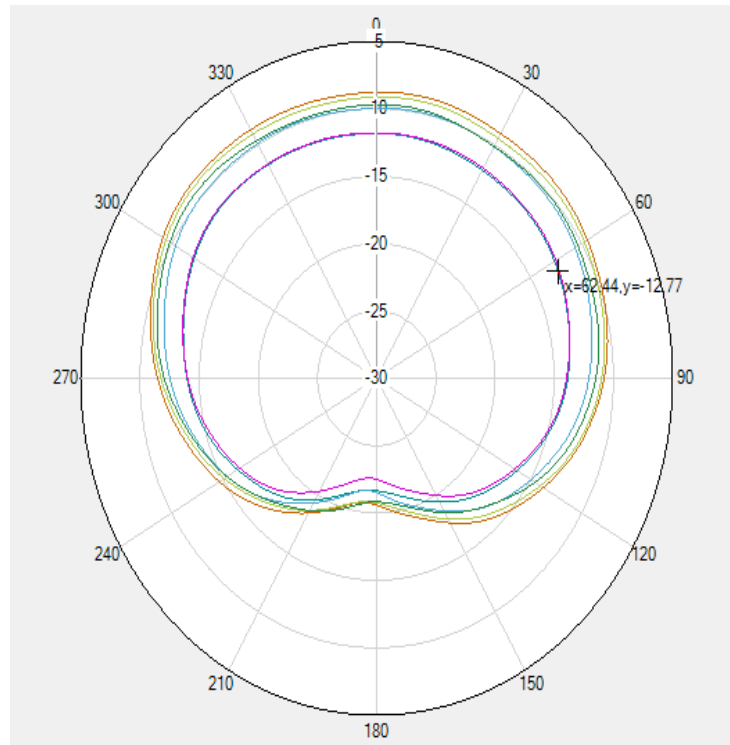
LTE B20&NR N20 PRX $\Theta=90^\circ$



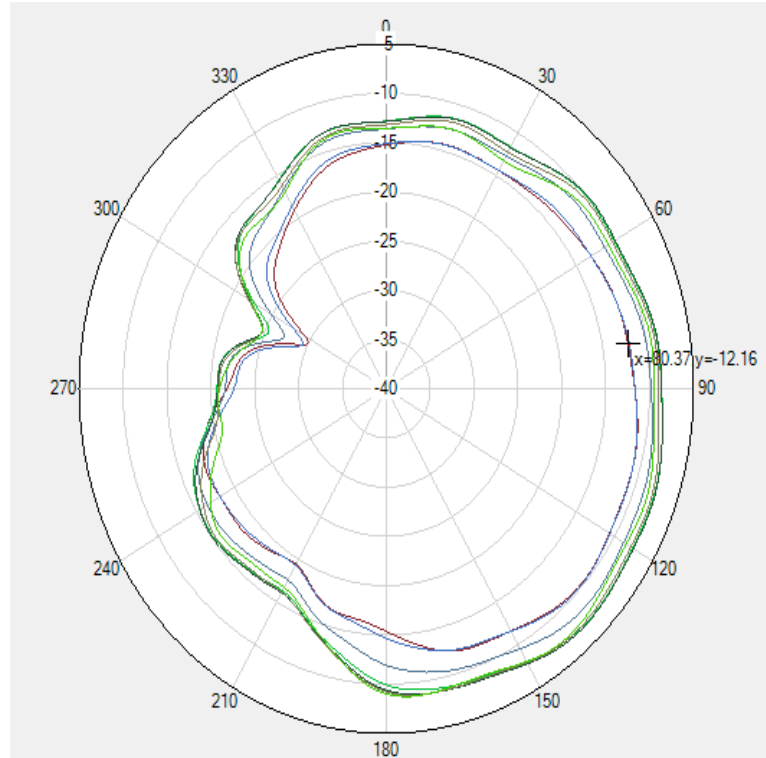
LTE B20&NR N20 PRX $\Phi=0^\circ$



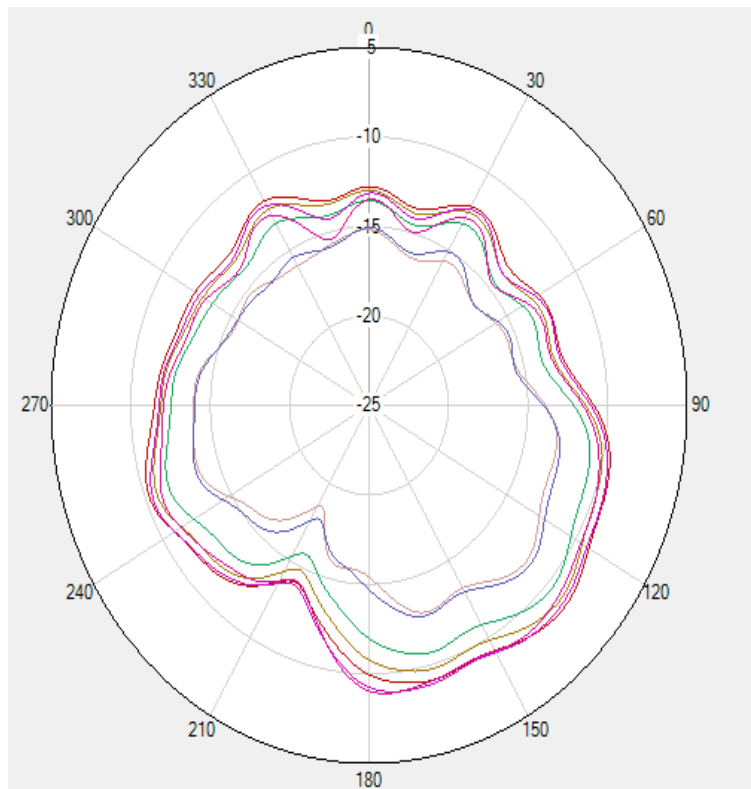
LTE B20&NR N20 PRX $\Phi=90^\circ$



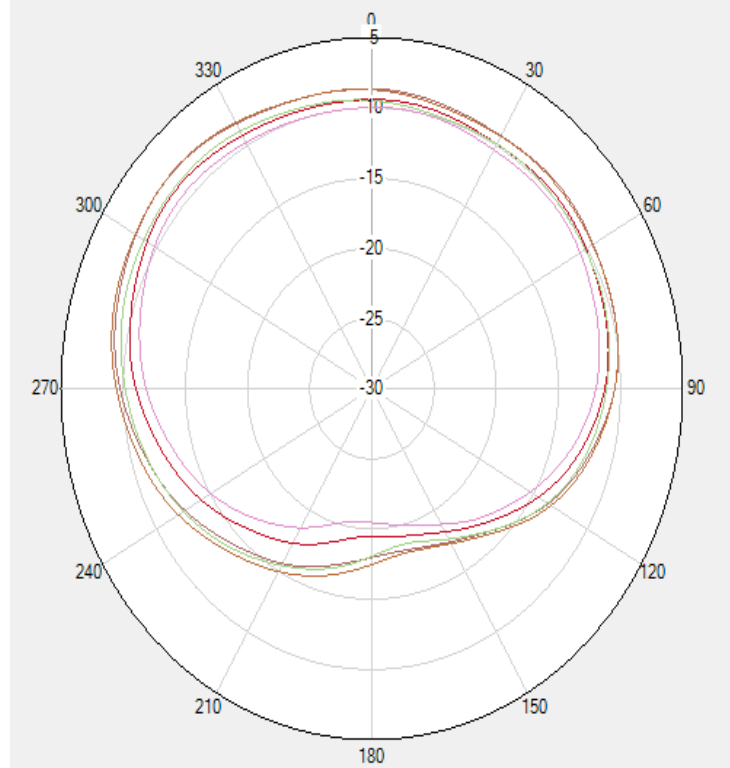
GSM850&WCDMA B5<E B5&NR N5 DRX(DPDT) Theta=90deg



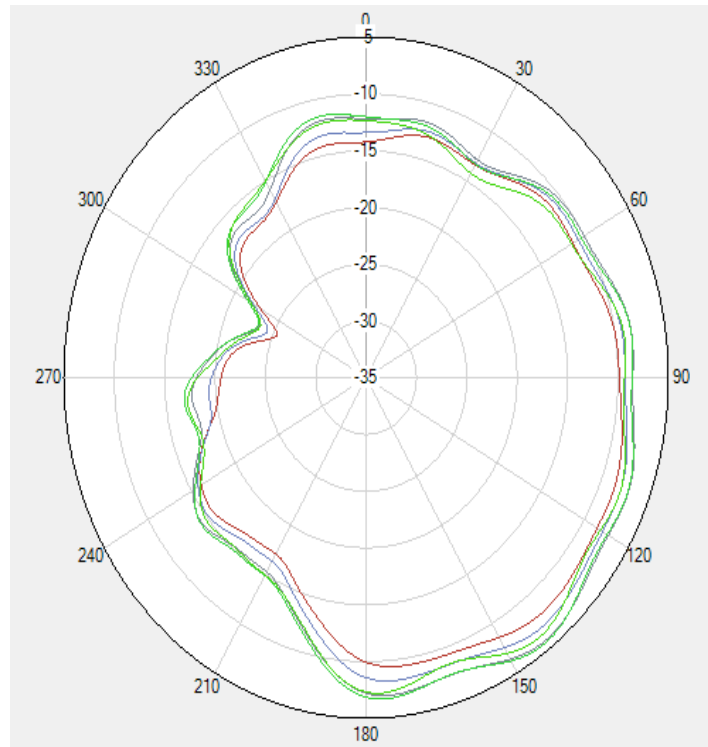
GSM850&WCDMA B5<E B5&NR N5 DRX(DPDT) Phi=0deg



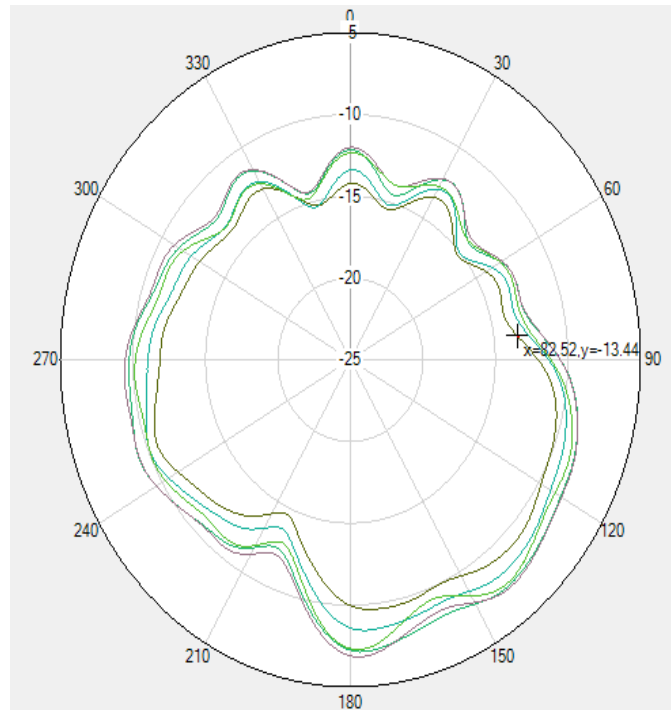
GSM850&WCDMA B5<E B5&NR N5 DRX(DPDT) $\Phi=90\text{deg}$



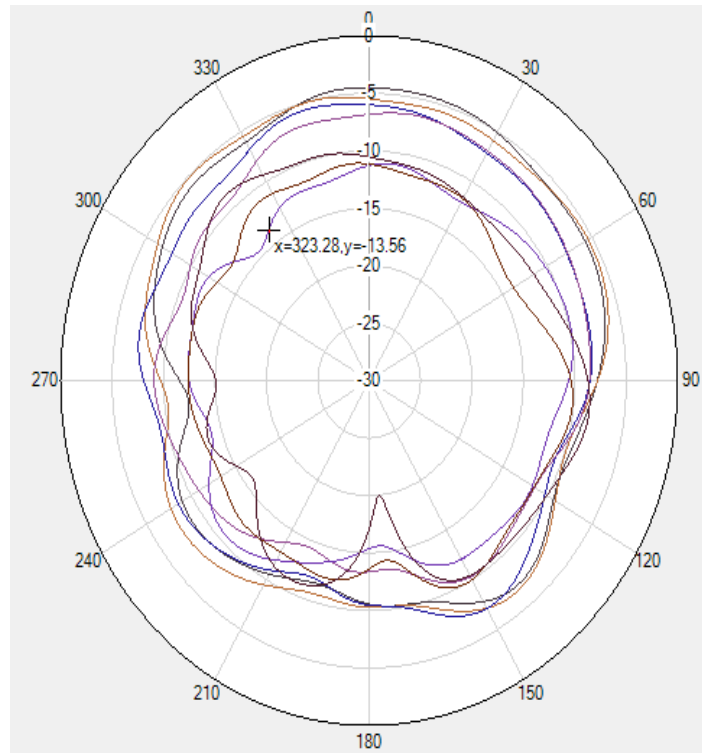
GSM900&WCDMA B8<E B8&NR N8 DRX(DPDT) $\Theta=90\text{deg}$



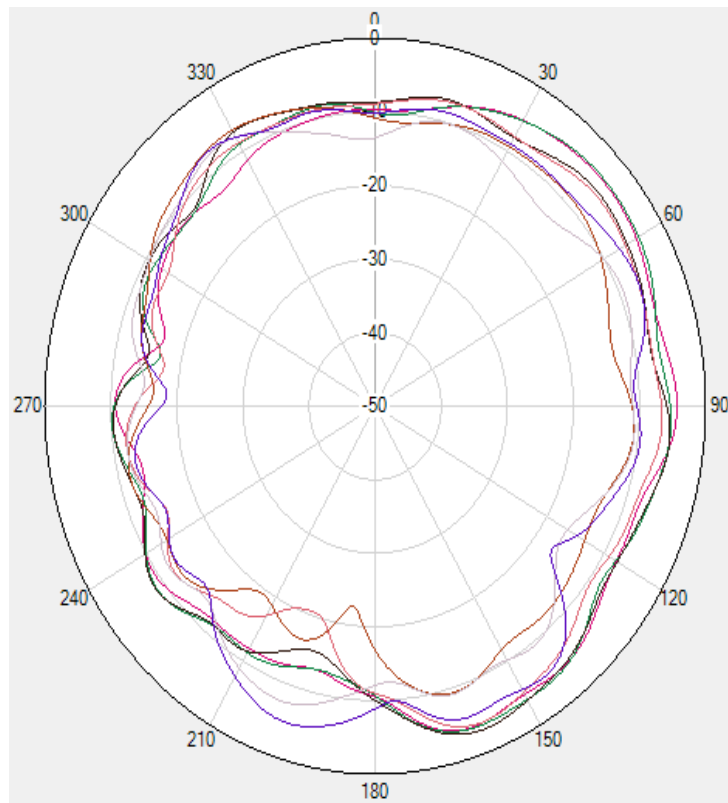
GSM900&WCDMA B8<E B8&NR N8 DRX(DPDT) Phi=90deg



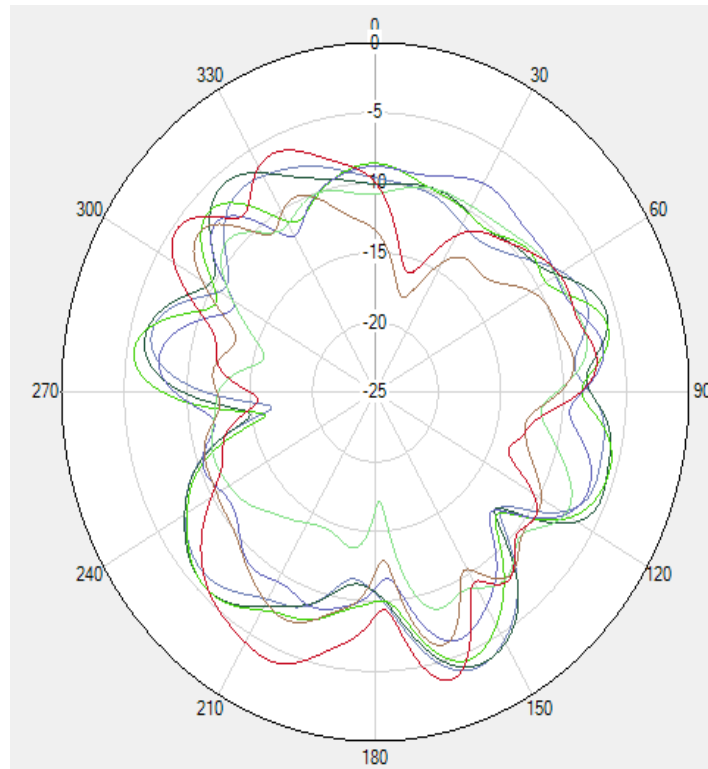
GSM900&WCDMA B8<E B8&NR N8 DRX(DPDT) Phi=90deg



LTE B42/NR N77/78 PRX Theta=90deg

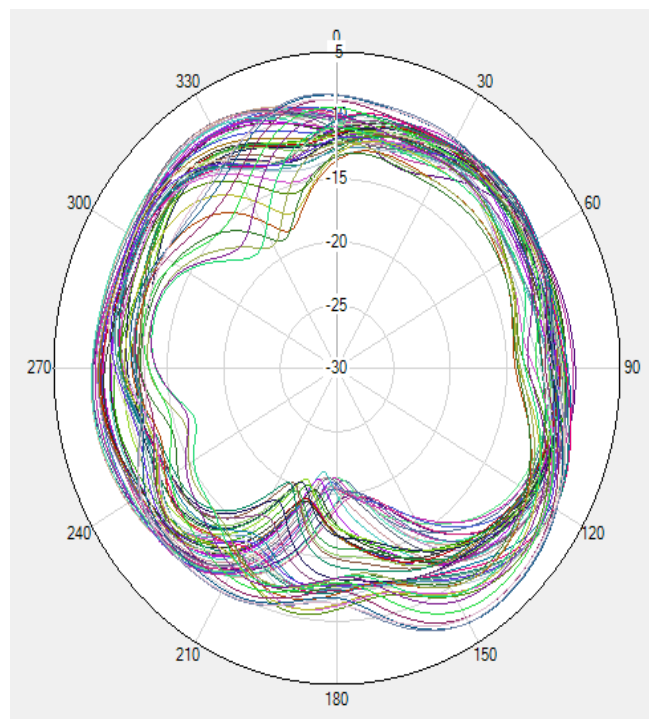


LTE B42/NR N77/78 PRX Phi=90deg

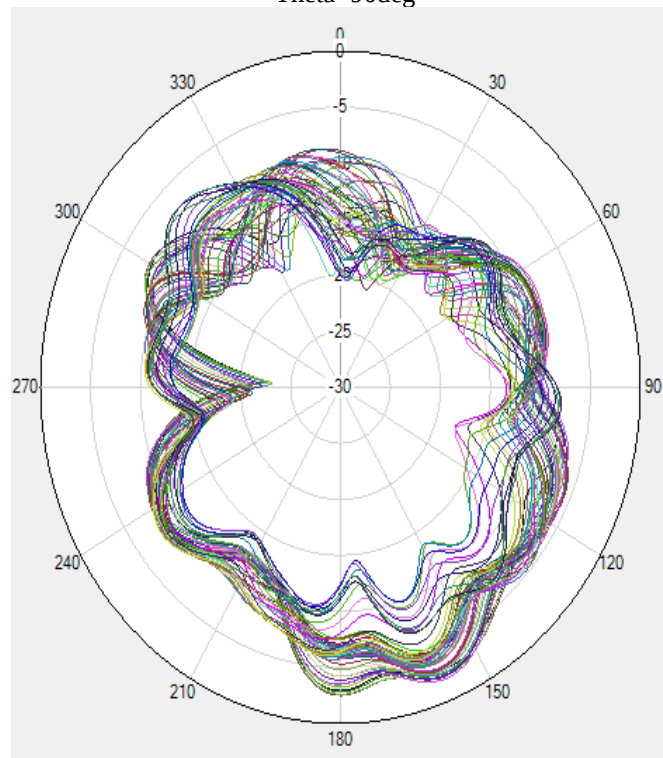


LTE B42/NR N77/78 PRX $\Phi=90^\circ$

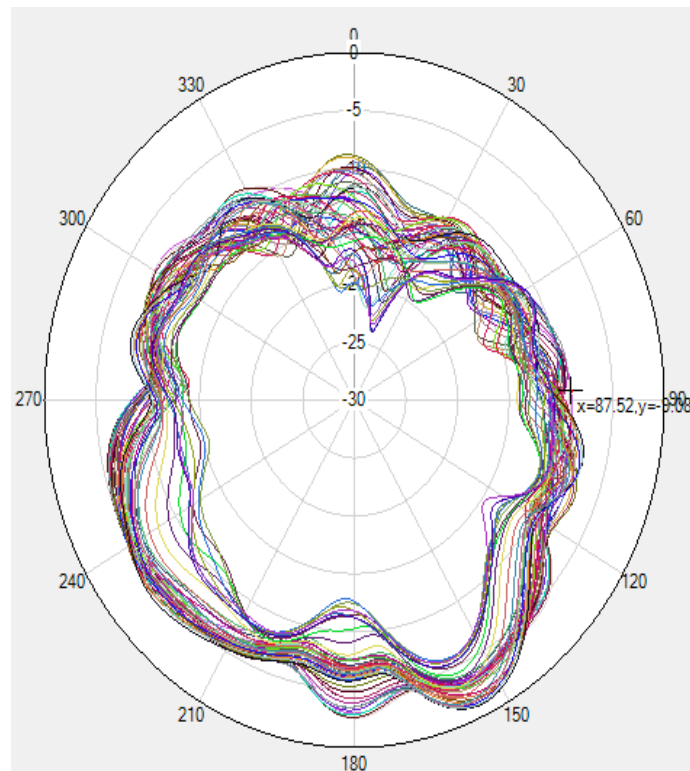
ANT5



DCS/PCS/WCDMA B1/2/4/ LTE1/2/3/4/7/66/38/40/41/NR N1/3/7/66/38/40/41 DRX(DPDT)
Theta=90deg

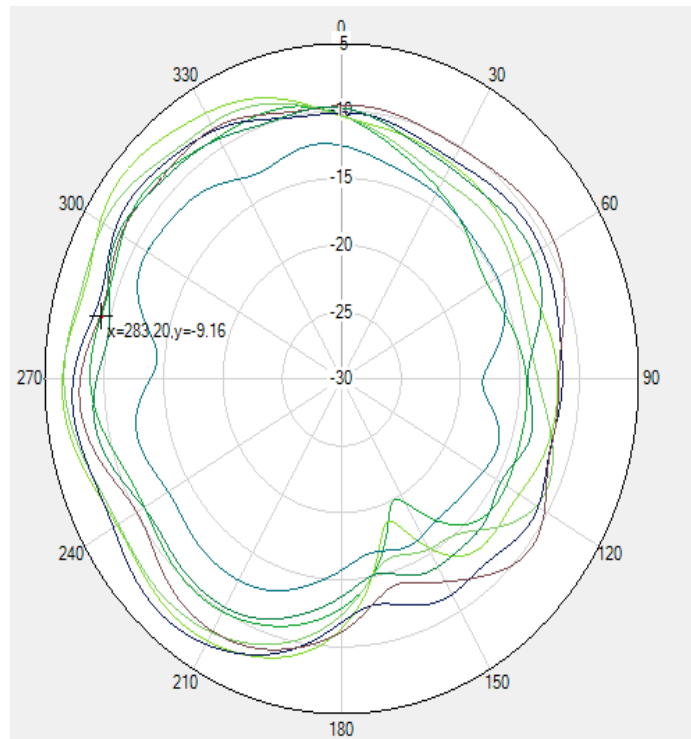


DCS/PCS/WCDMA B1/2/4/ LTE1/2/3/4/7/66/38/40/41/NR N1/3/7/66/38/40/41 DRX(DPDT) Phi=0deg

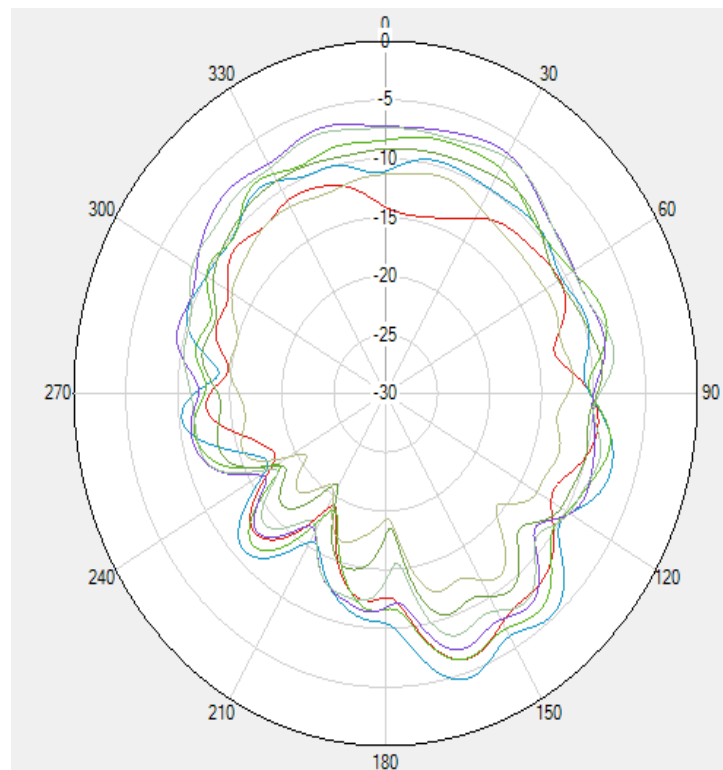


DCS/PCS/WCDMA B1/2/4/ LTE1/2/3/4/7/66/38/40/41/NR N1/3/7/66/38/40/41 DRX(DPDT) Phi=90deg

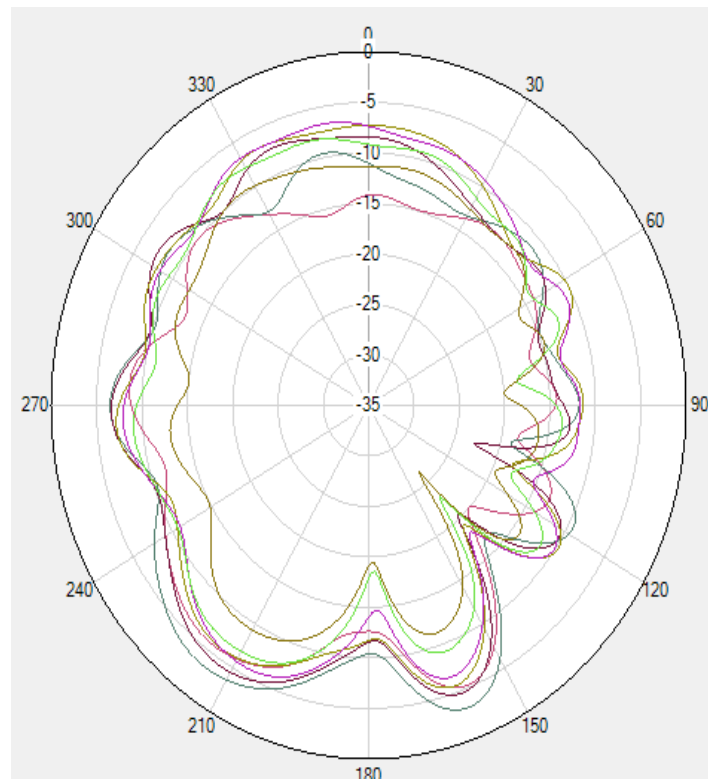
ANT6



LTE B42/NR 77/78 PRX2 Theta=90deg

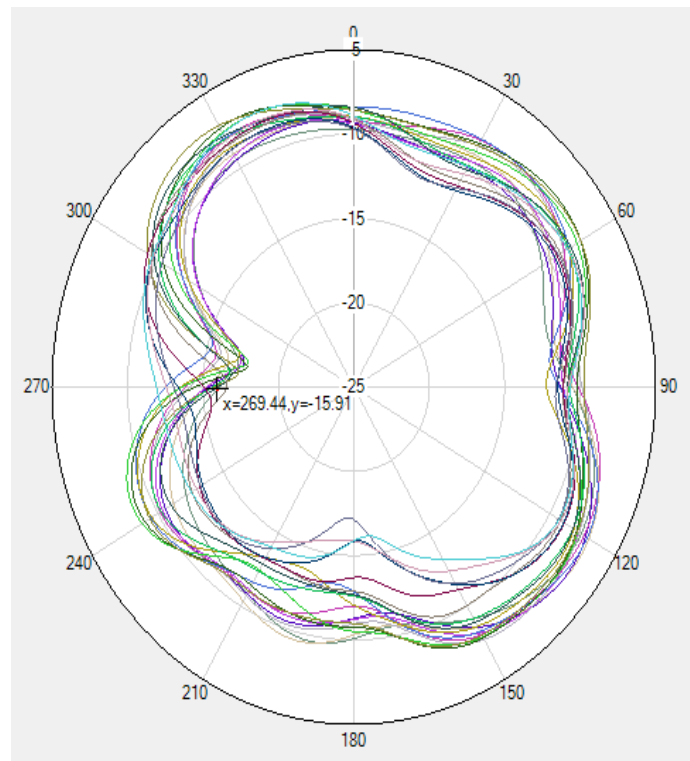


LTE B42/NR 77/78 PRX2 Phi=0deg

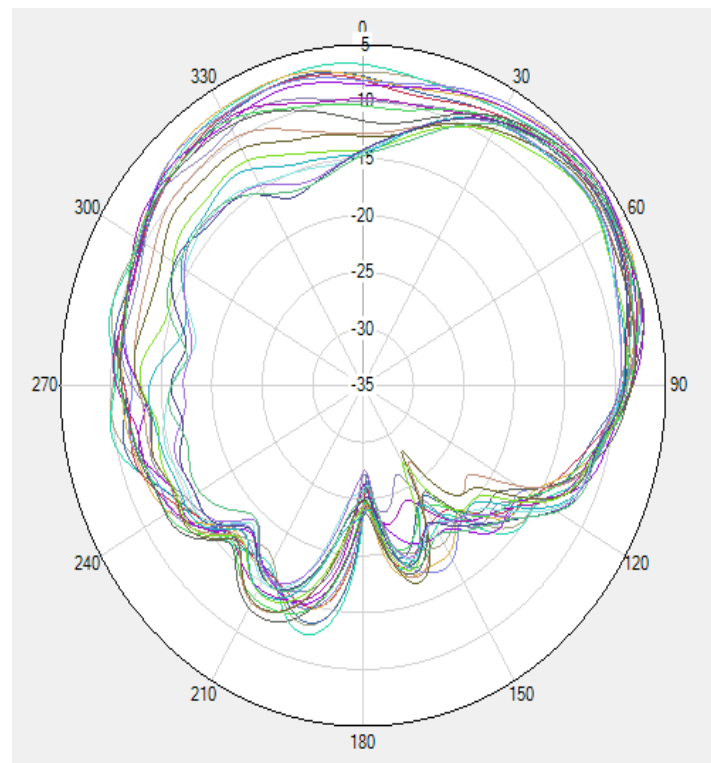


LTE B42/NR 77/78 PRX2 Phi=90deg

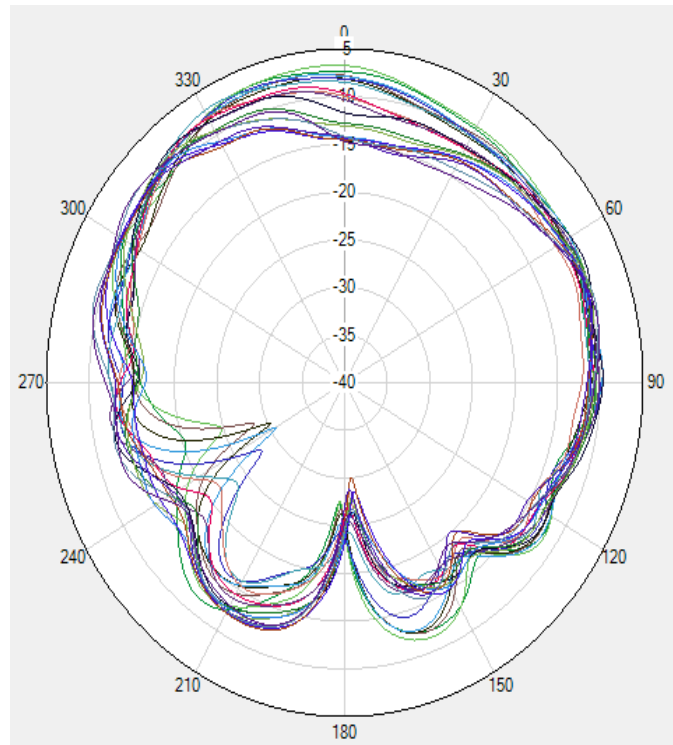
ANT7



LTE B42/NR 77/78 DRX2 Theta=90deg

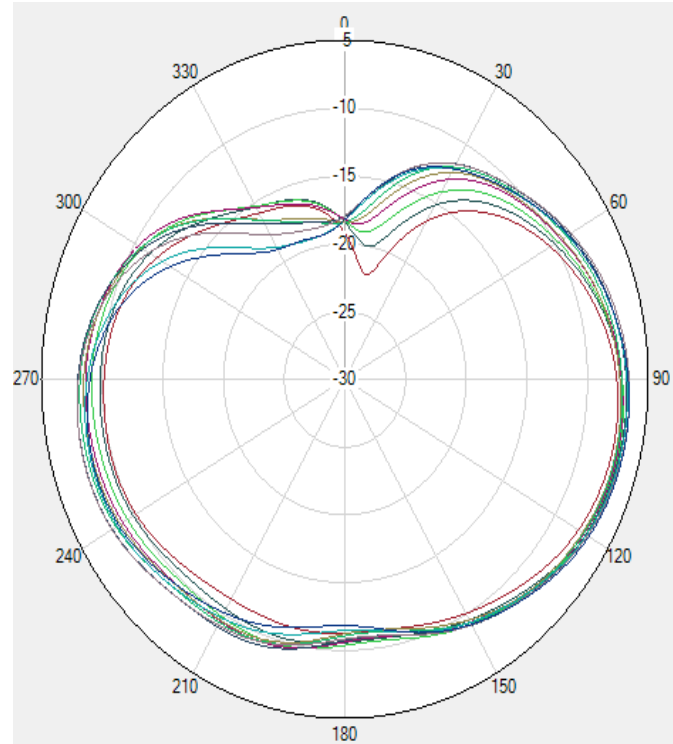


LTE B42/NR 77/78 DRX2 Phi=0deg

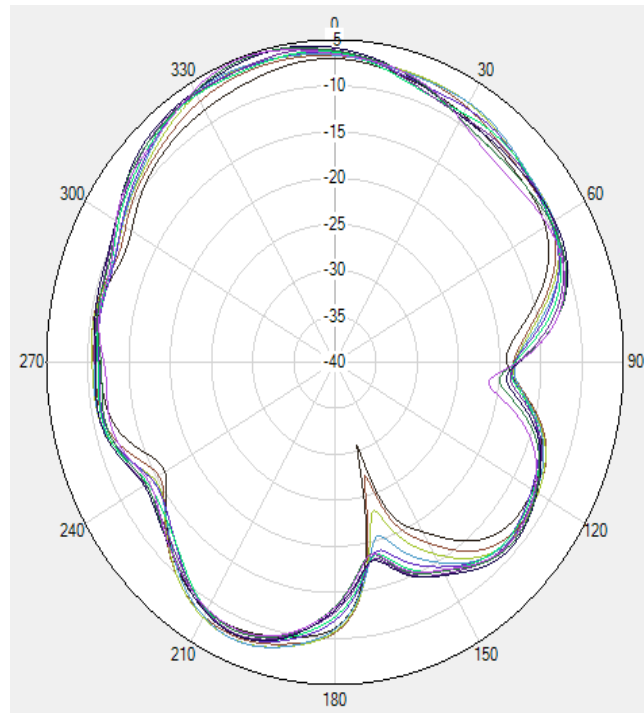


LTE B42/NR 77/78 DRX2 $\Phi=90^\circ$

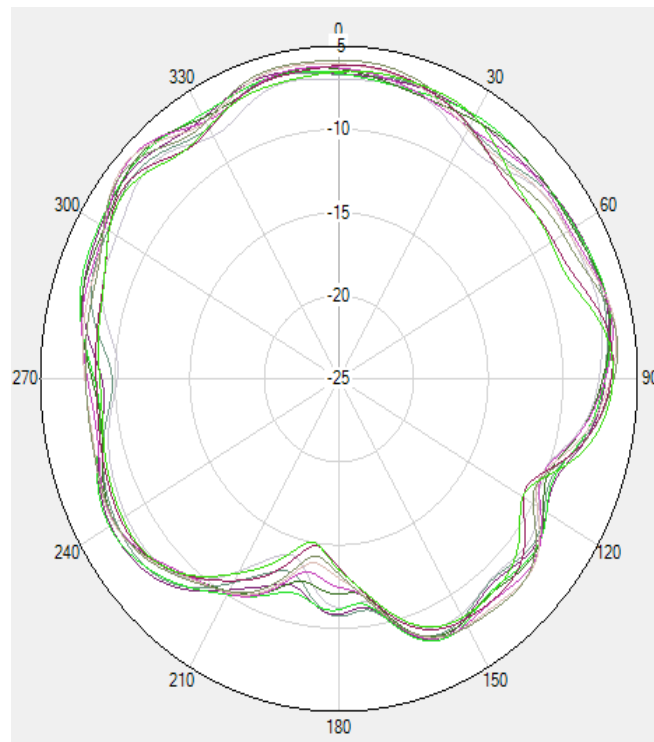
ANT8



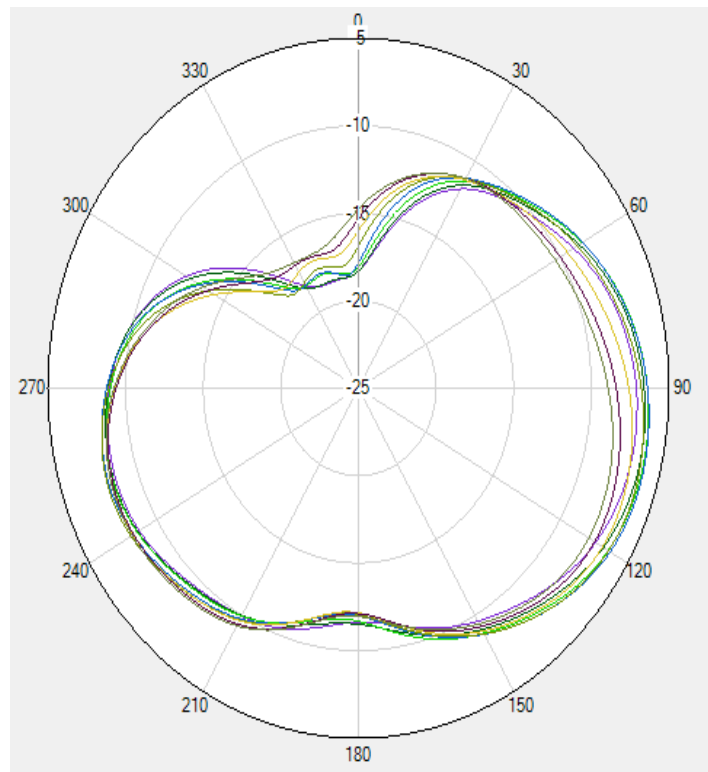
ENDC PRX LTE B3/4/66 $\Theta=90^\circ$



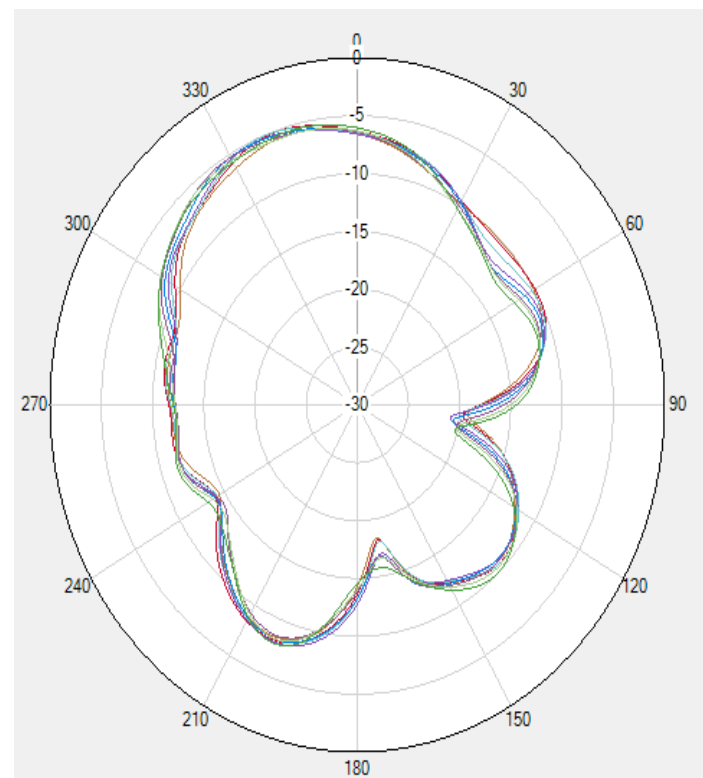
ENDC PRX LTE B3/4/66 $\Phi=0^\circ$



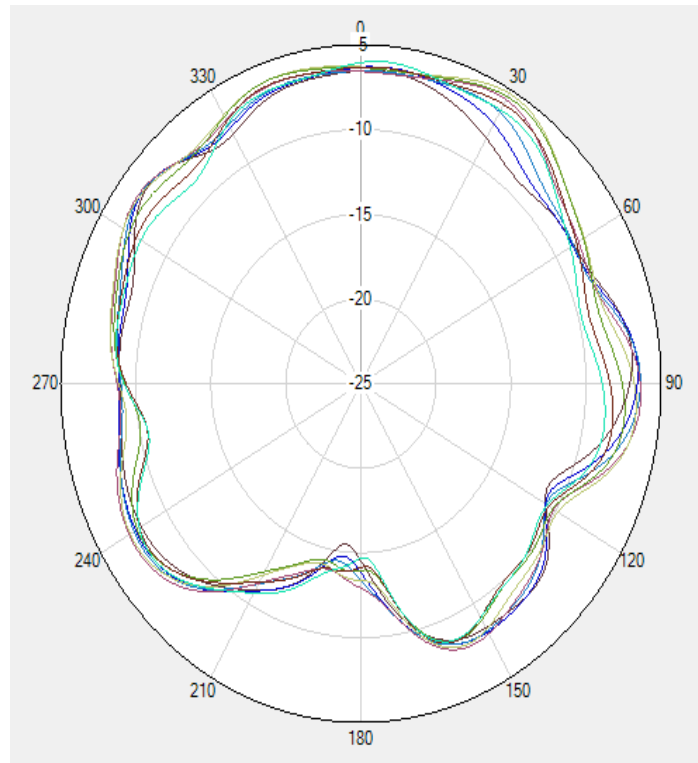
ENDC PRX LTE B3/4/66 $\Phi=90^\circ$



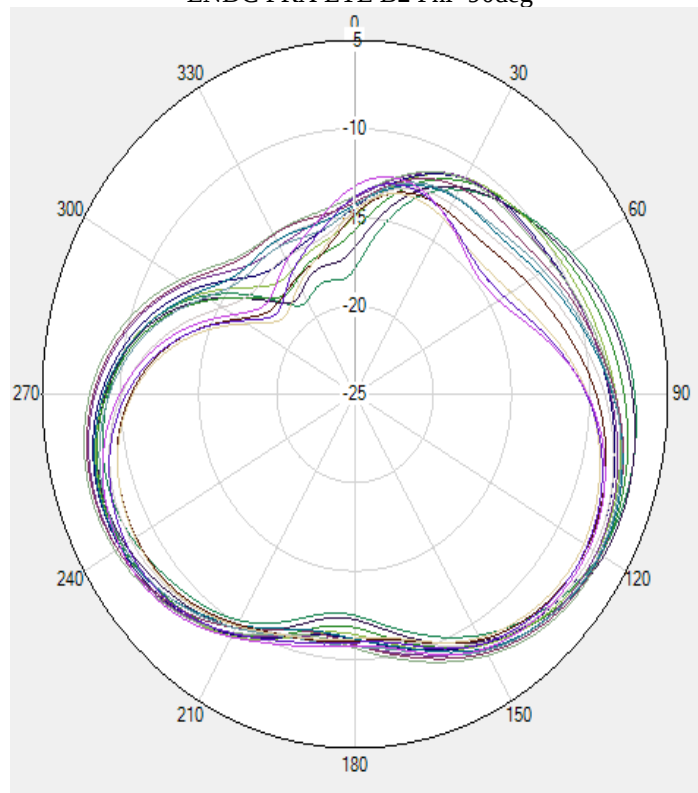
ENDC PRX LTE B2 Theta=0deg



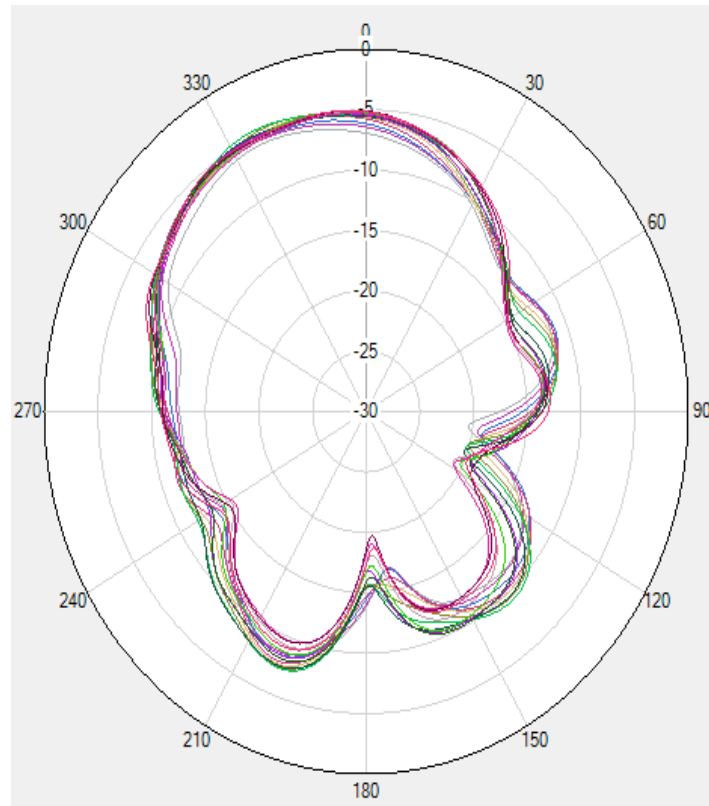
ENDC PRX LTE B2 Phi=0deg



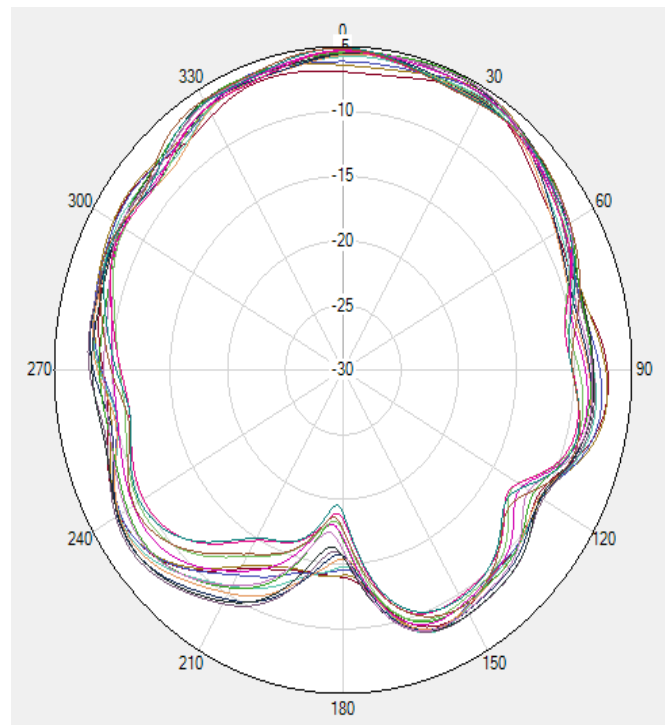
ENDC PRX LTE B2 $\Phi=90\text{deg}$



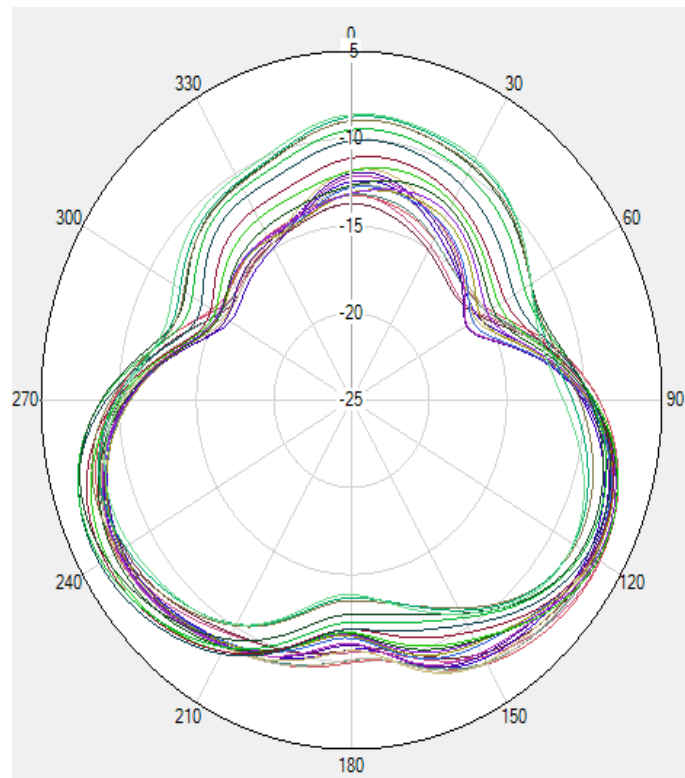
ENDC PRX LTE B1 $\Theta=0\text{deg}$



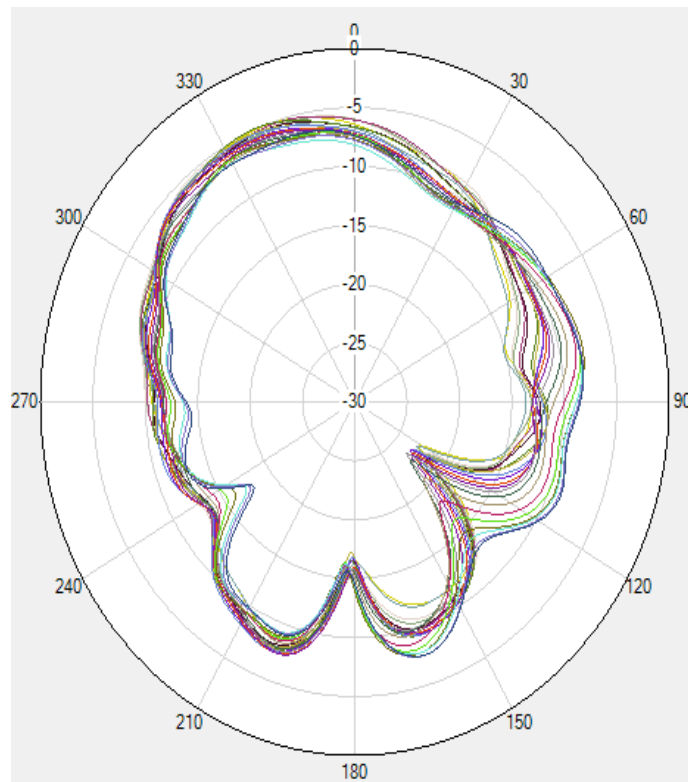
END C PRX LTE B1 $\Phi=0^\circ$



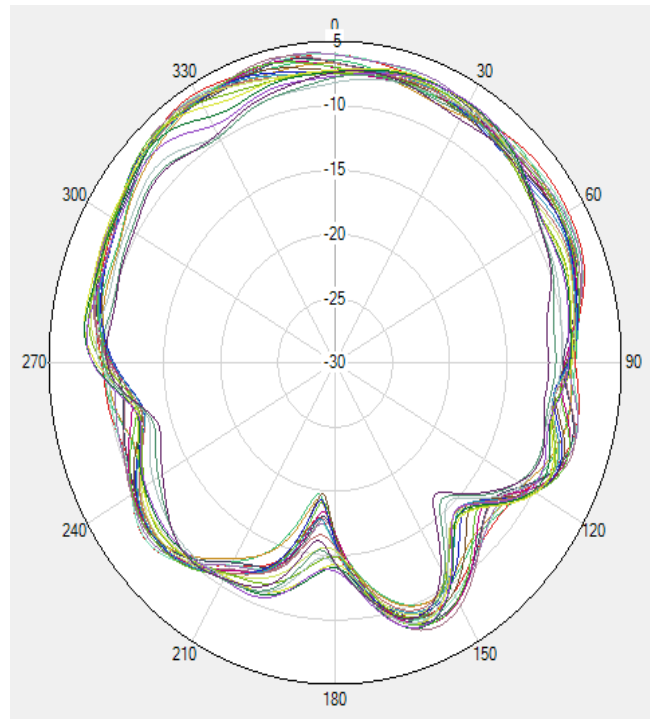
END C PRX LTE B1 $\Phi=90^\circ$



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

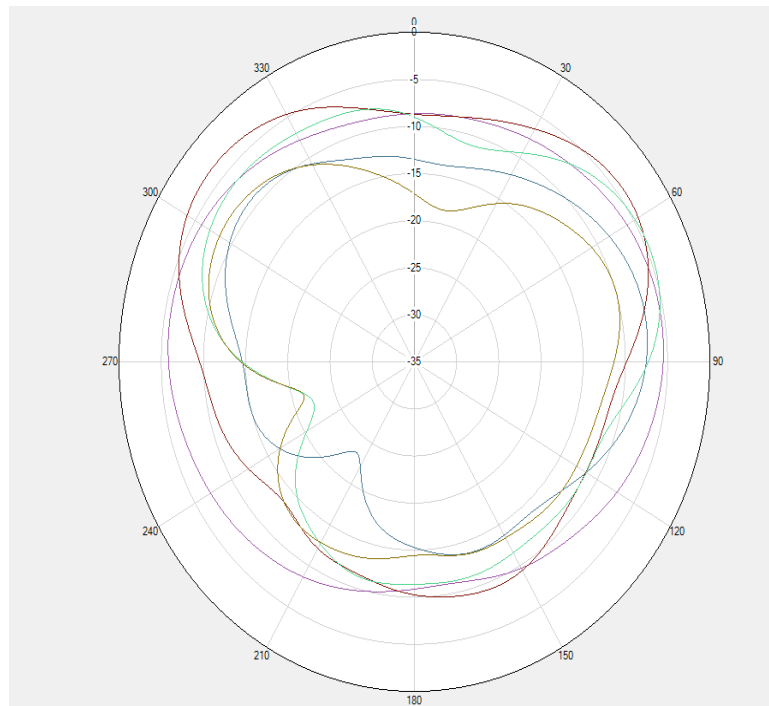


ENDC PRX LTE B7/38/40/41 Phi=0deg

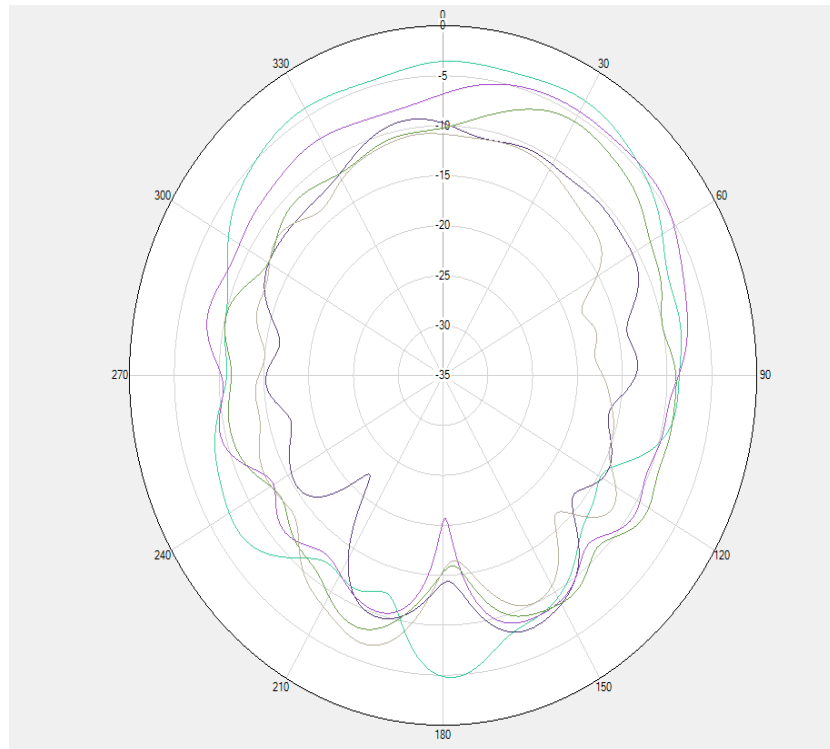


ENDC PRX LTE B7/38/40/41 $\Phi=90^\circ$

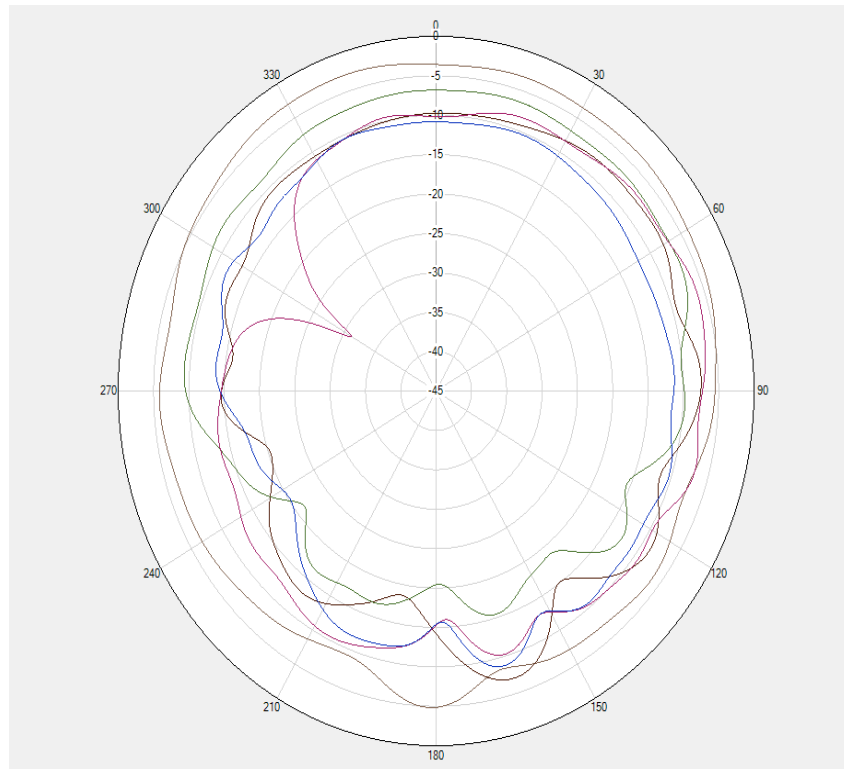
ANT12



GPS L1<E B42&NR N77/78 $\Theta=90^\circ$

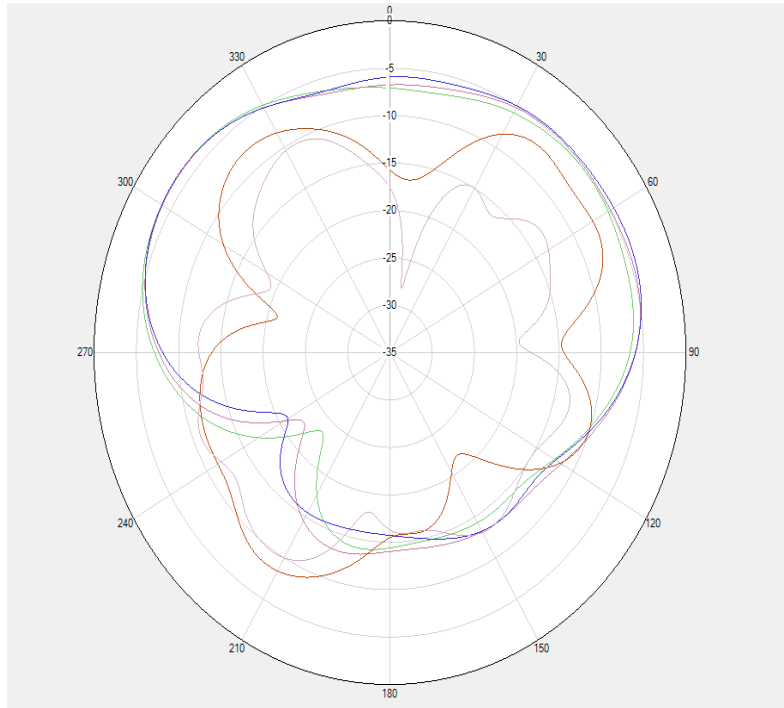


GPS L1<E B42&NR N77/78 $\Phi=0^\circ$

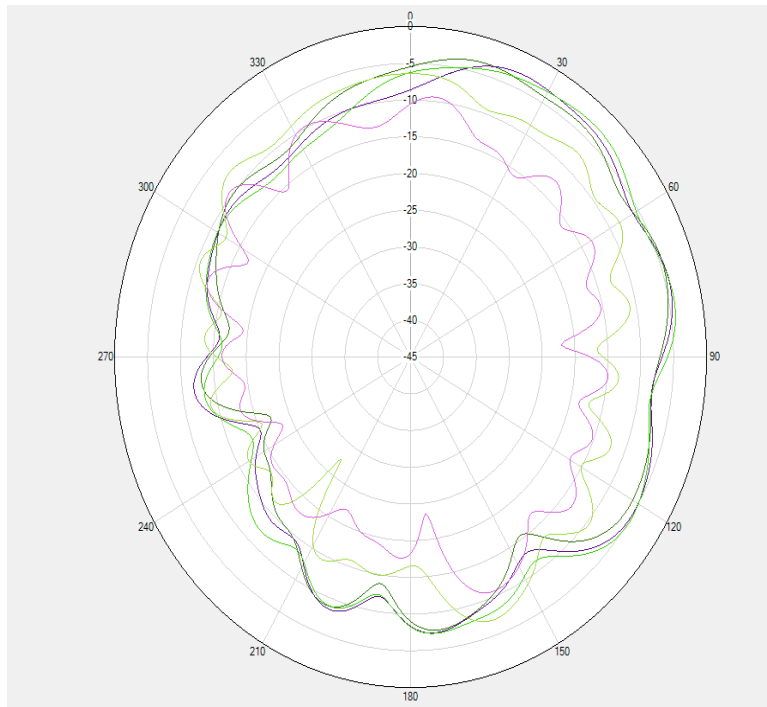


GPS L1<E B42&NR N77/78 $\Phi=90^\circ$

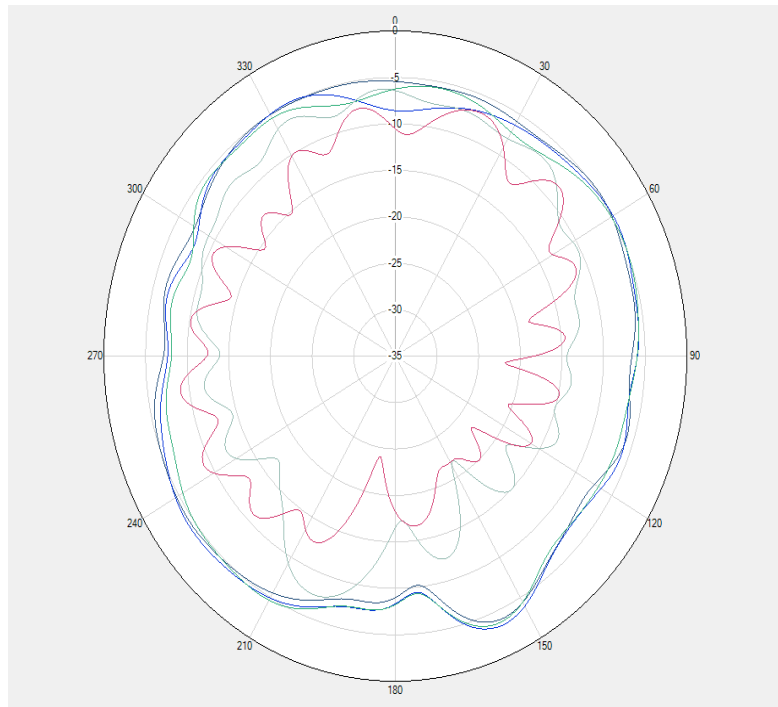
ANT13



WIFI 2.4G&5G MIMO1/BT Theta=90deg

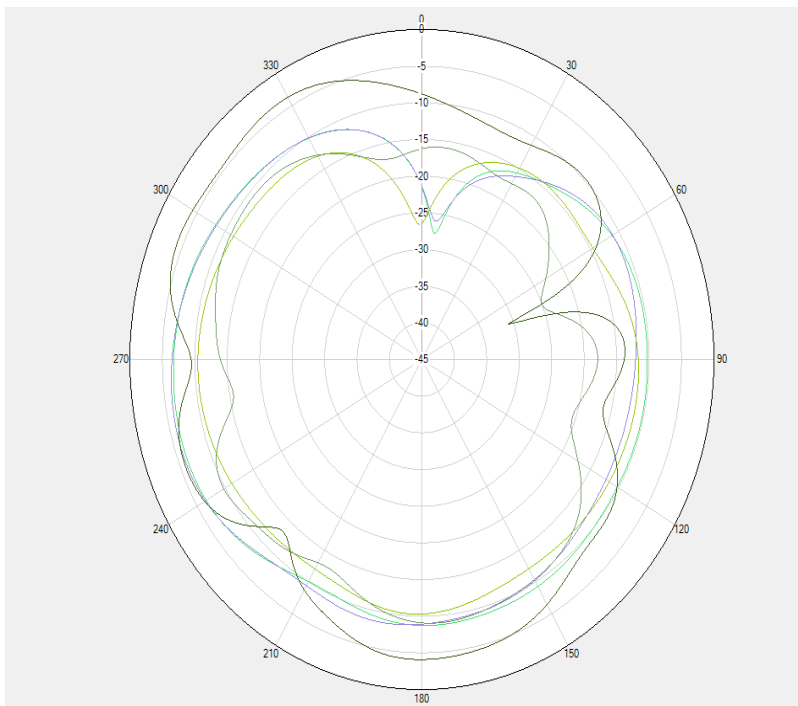


WIFI 2.4G&5G MIMO1/BT Phi=0deg

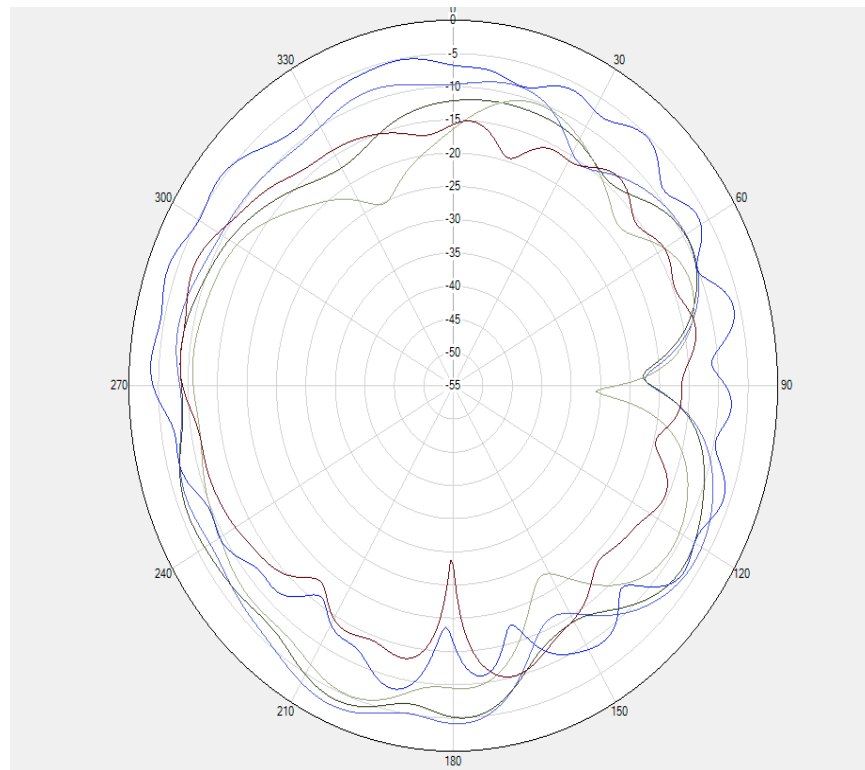


WIFI 2.4G&5G MIMO1/BT $\Phi=90^\circ$

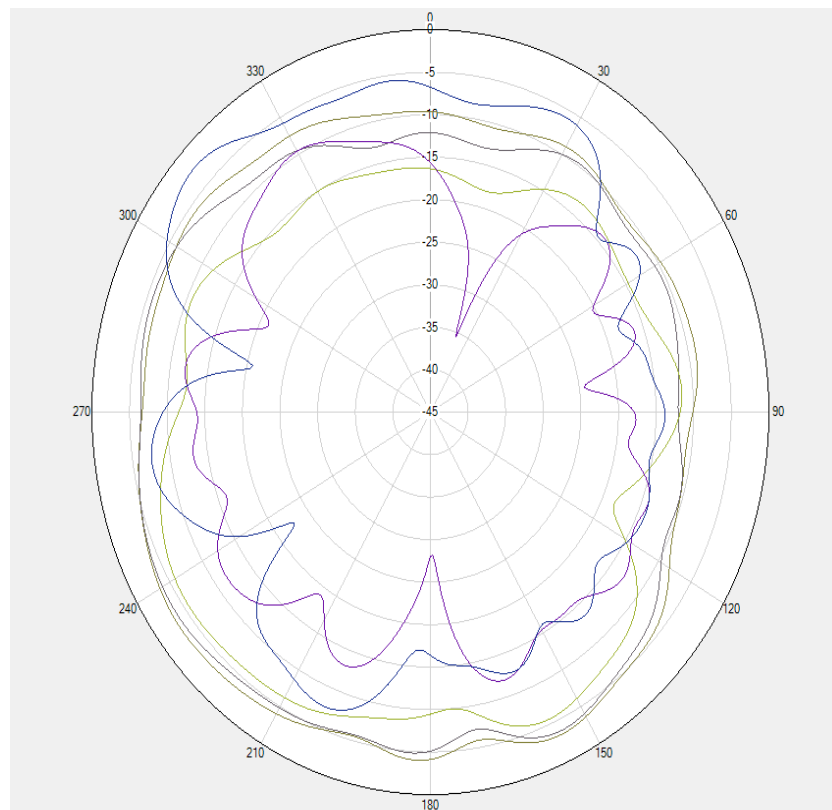
ANT14



WIFI 5G MIMO2<E B1/2/3/4/66&NR N1/3/66 DRX2 $\Theta=90^\circ$

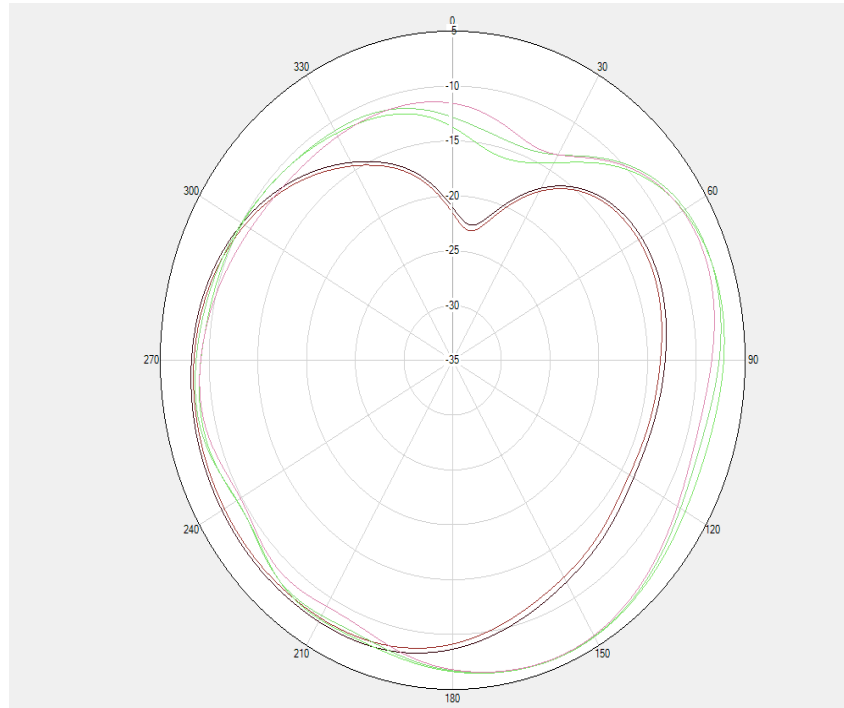


WIFI 5G MIMO2<E B1/2/3/4/66&NR N1/3/66 DRX2 $\Phi=0^\circ$

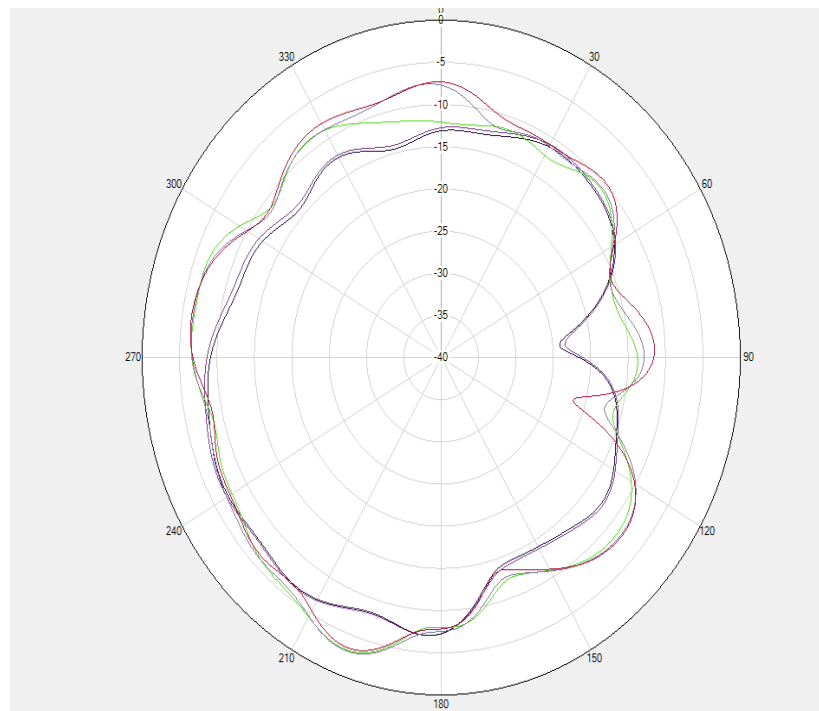


WIFI 5G MIMO2<E B1/2/3/4/66&NR N1/3/66 DRX2 $\Phi=90^\circ$

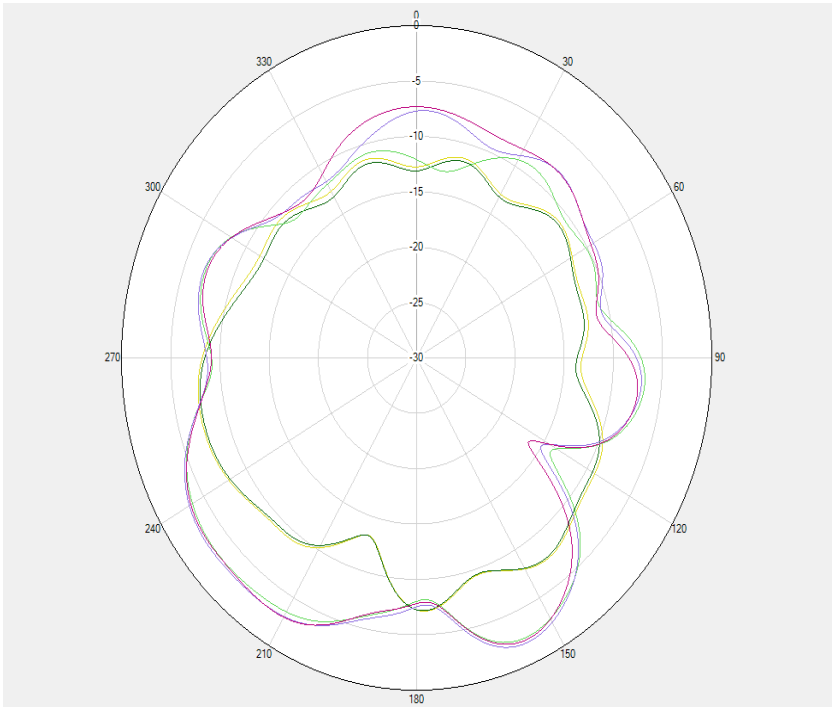
ANT15



GPS L5&WIFI 2.4G MIMO2 Theta=90deg



GPS L5&WIFI 2.4G MIMO2 Phi=0deg



GPS L5&WIFI 2.4G MIMO2 Phi=90deg

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
			DATE:	2024/10/22