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

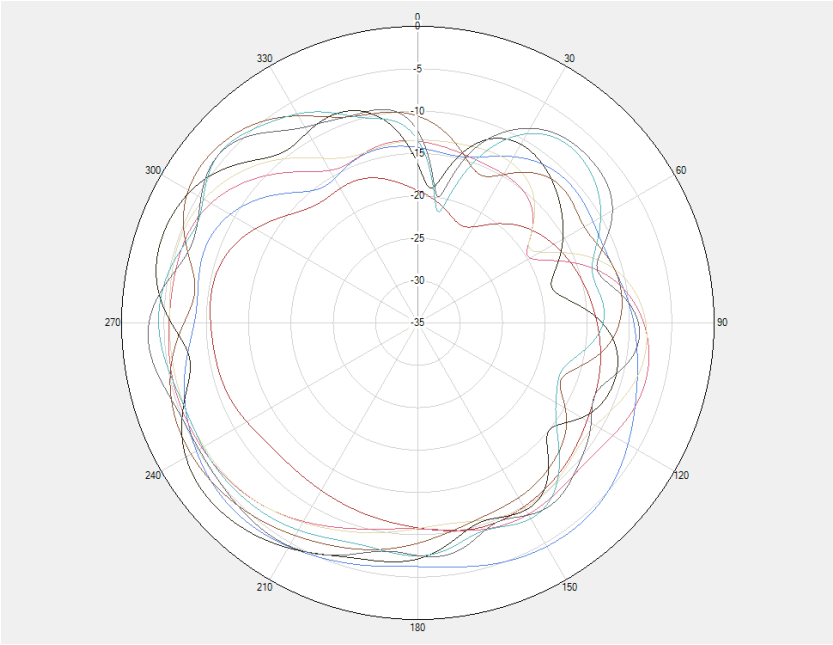
Name and address of the antenna manufacturer	Model number of the antenna
Welletronics Communication Technology Co.Ltd 502,Block A,Jingneng Menggu,Jinghai Road6,Yizhuang Economic and Technological Development Zone,Beijing Xi'an Yanta Street Yunshui all the way Xi'an Software New City Phase ll A11	CM8-ANT0 CM8-ANT1 CM8-ANT2 CM8-ANT3 CM8-ANT4 CM8-ANT5 CM8-ANT6 CM8-ANT7 CM8-ANT8 CM8-ANT9 CM8-ANT12 CM8-ANT13 CM8-ANT14

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/B13/B17/B28 NR n12/n28:710-755MHz
		LTEB42/NR n77/n78:3300-4200MHz
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/B13/B17/B28 NR n12/n28:758-803MHz
		LTE B42/NR n77/n78:3300-4200MHz
Antenna Gain	ANT0	B42/N77/N78:-3 dBi
		WIFI 5G:-1dBi
	ANT2	GSM 850/WCDMA B5/LTE B5 NR n5: -8 dBi
		GSM 900/WCDMA B8/LTE B8 NR n8: -5.6dBi
		LTE B12/B13/B17/B28 NR n12/n28:-6.5dBi
		LTE B20 NR n20:-8 dBi
	ANT3	DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: -2.8 dBi
		PCS/WCDMA B2/LTE B2: -3 dBi
		WCDMA B1/LTE B1 NR n1: -3dBi
		LTE B7/B38/B41 NR n7/n38/n41: -3.2dBi
		LTE B40 NR n40: -2 dBi
	ANT4	GSM 850/WCDMA B5/LTE B5 NR n5: -6.2dBi
		GSM 900/WCDMA B8/LTE B8 NR n8: -7.5dBi
		LTE B12/B13/B17/B28 NR n12/n28:-9dBi

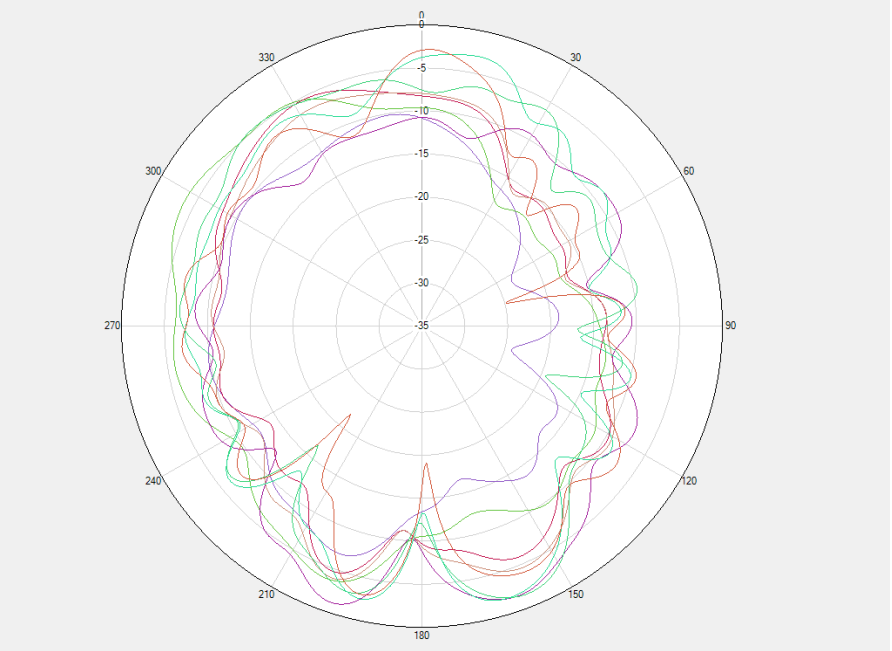
		LTE B20 NR n20:-10 dBi
	ANT5	DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: -1.7 dBi
		PCS/WCDMA B2/LTE B2: -7 dBi
		WCDMA B1/LTE B1 NR n1: -5.6dBi
		LTE B7/B38/B41 NR n7/n38/n41: -5dBi
		LTE B40 NR n40:-2dBi
	ANT6	B42/N77/N78:-4 dBi
	ANT7(ENDC)	B1:-3.8 dBi
		B3:-3.5dBi
		B7/B38/B40/B41:-8 dBi
	ANT8	B42/N77/N78:-2.5dBi
	ANT9	B42/N77/N78:-1.6 dBi
	ANT12	GPS(L1):-2.3 dBi
		BT/WIFI 2.4G: -2.2 dBi
	ANT13	WIFI 5G: -1.5 dBi
	ANT14	GPS(L5):-6.8 dBi
		WIFI 2.4G:-3 dBi

※ Antenna Gain

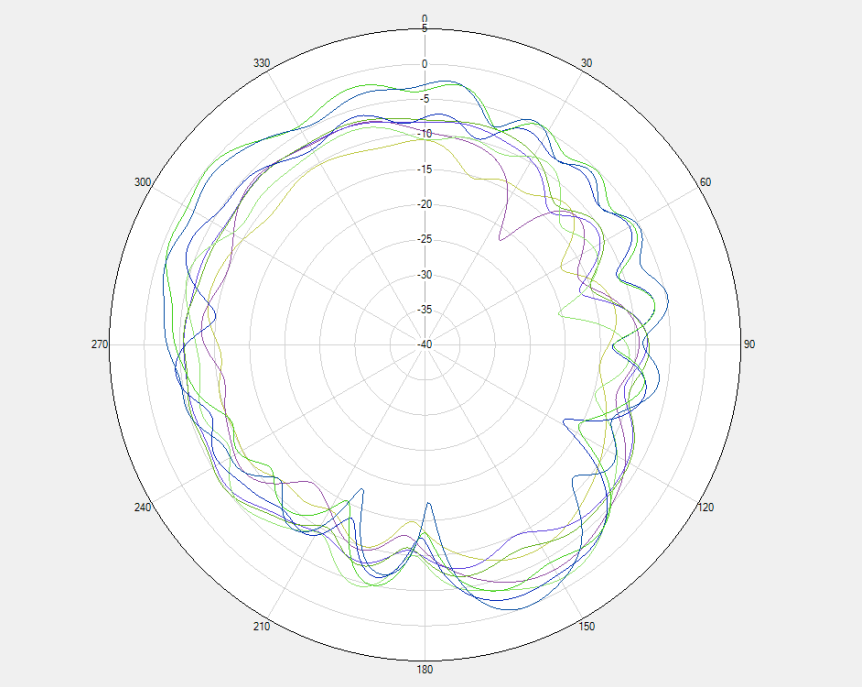
ANT0



B42/N77/78&wifi 5G Phi=0deg



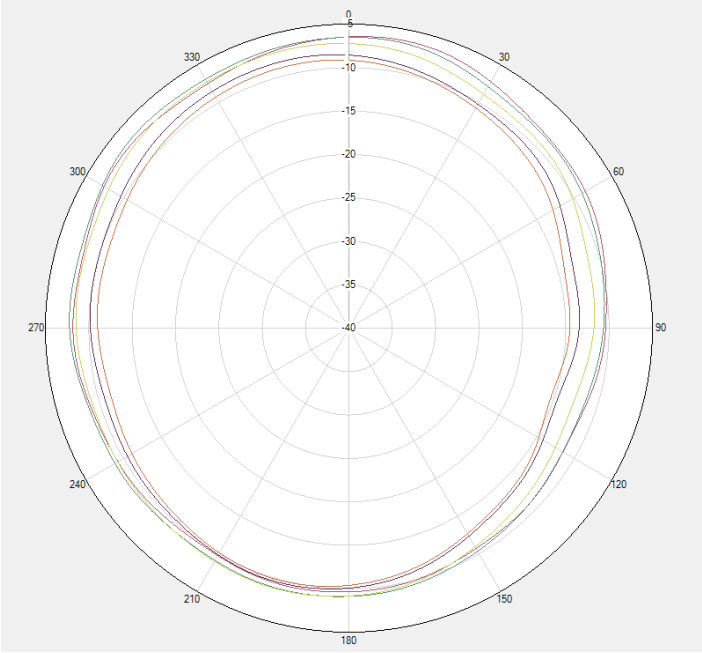
B42/N77/78&wifi 5G Phi=90deg



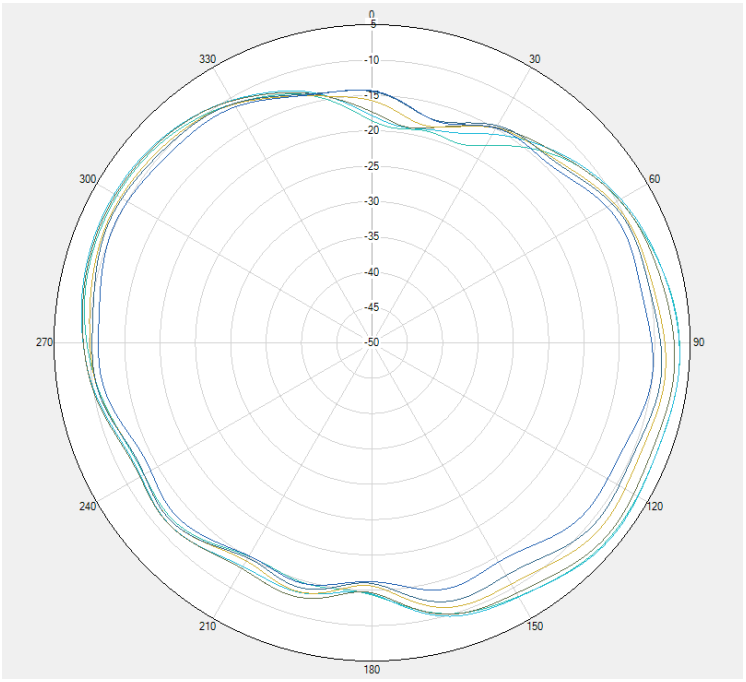
B42/N77/78&wifi 5G Theta=90deg

※ Antenna Gain

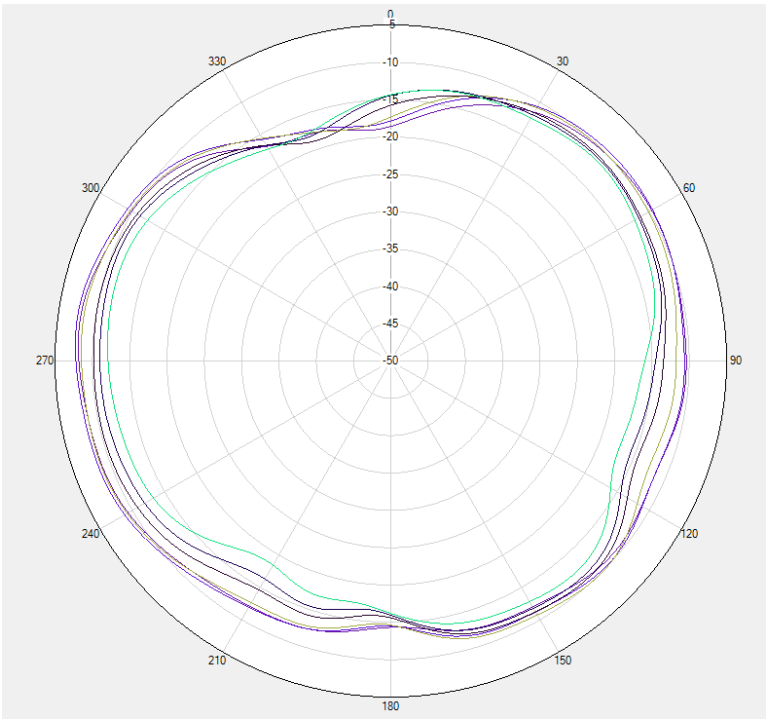
ANT2



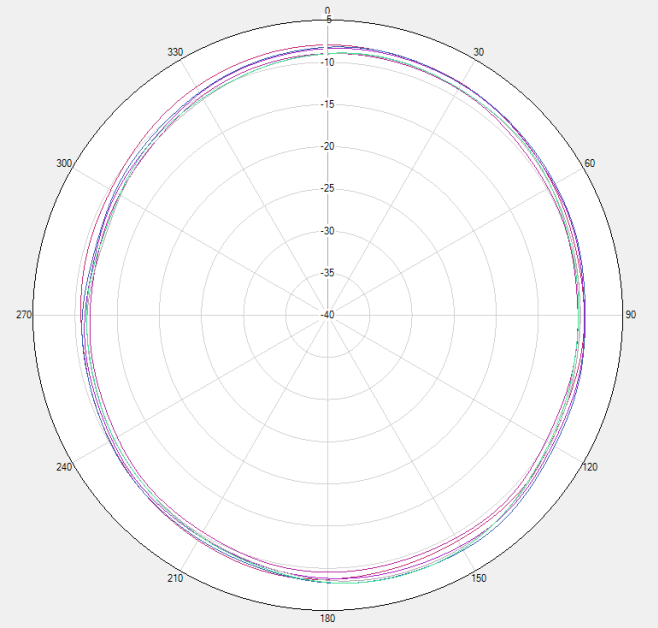
B28&B12&B13&B17 N28&N12&N17 Phi=0deg



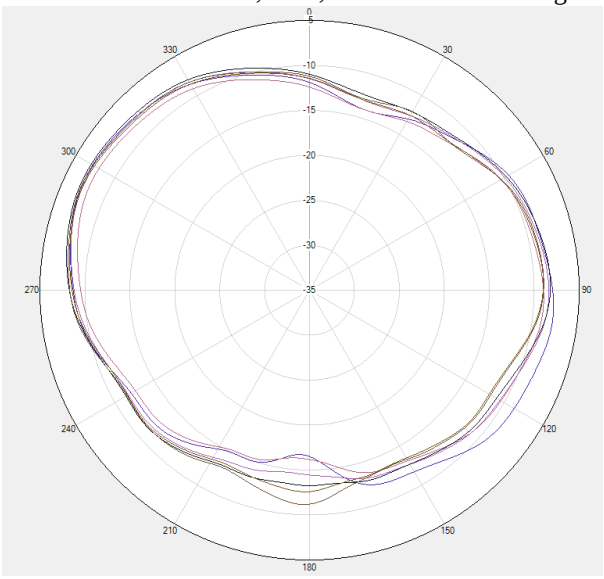
B28&B12&B13&B17 N28&N12&N17 Phi=90deg



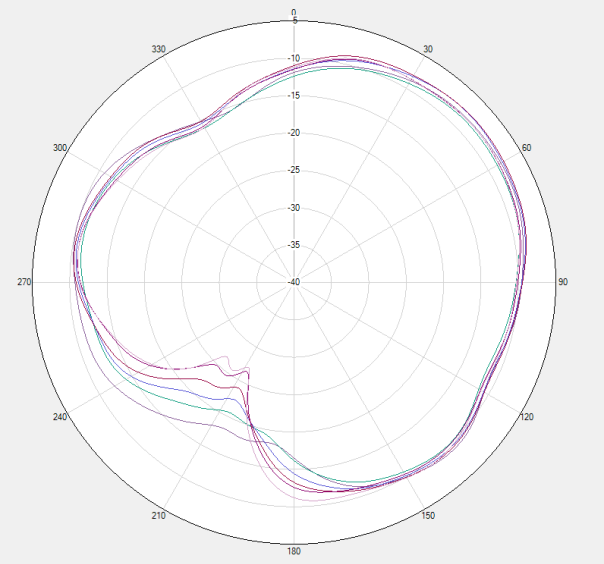
B28&B12&B13&B17 N28&N12&N17 Theta=90deg



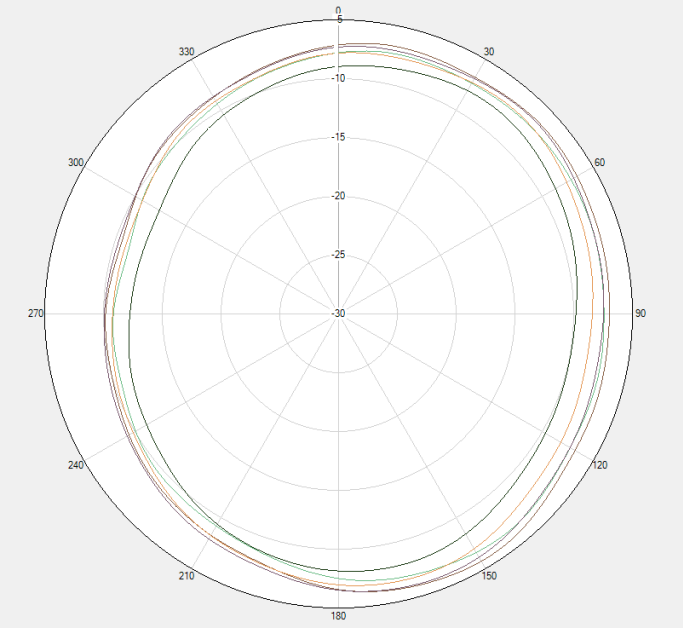
GSM850&B5&B20,WB5,N5&N20 Phi=0deg



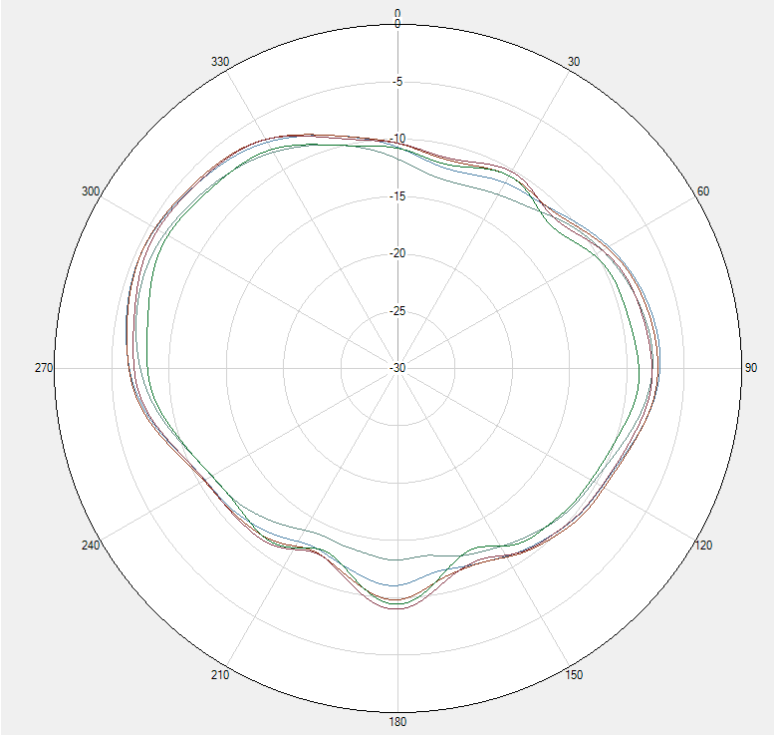
GSM850&B5&B20,WB5,N5&N20 Phi=90deg



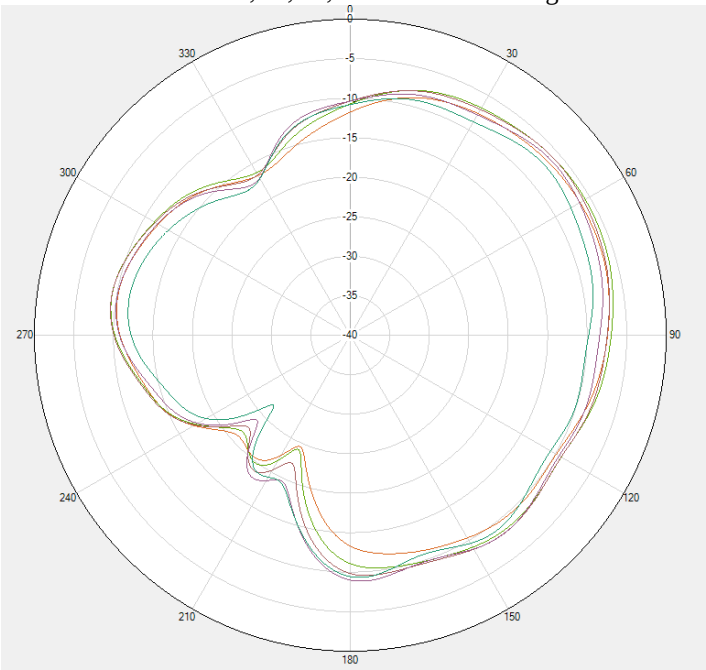
GSM850&B5&B20,WB5,N5&N20　　Theta=90deg



GSM900,B8,N8,WB8　　Phi=0deg

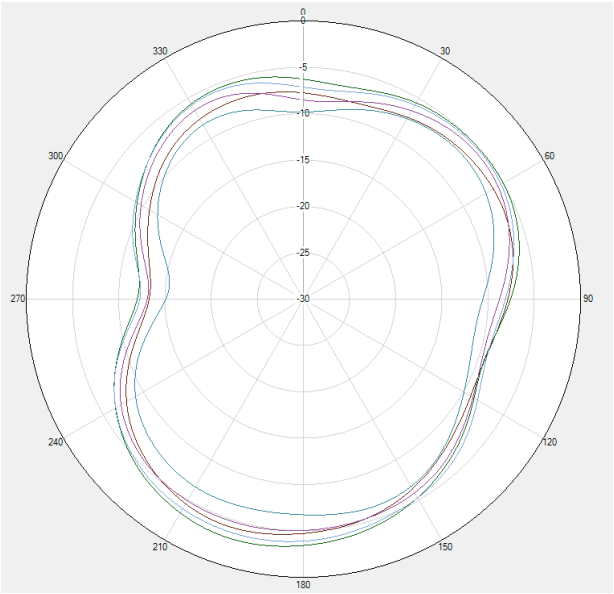


GSM900,B8,N8,WB8 Phi=90deg

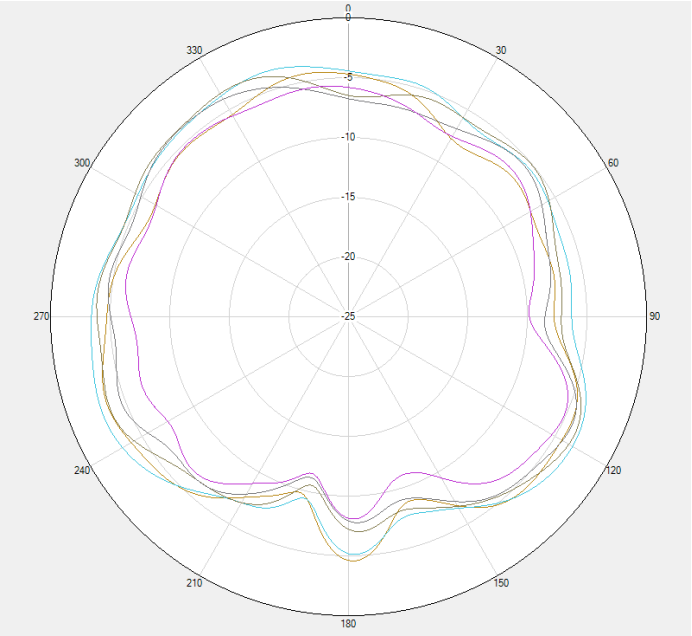


GSM900,B8,N8,WB8 Theta=90deg

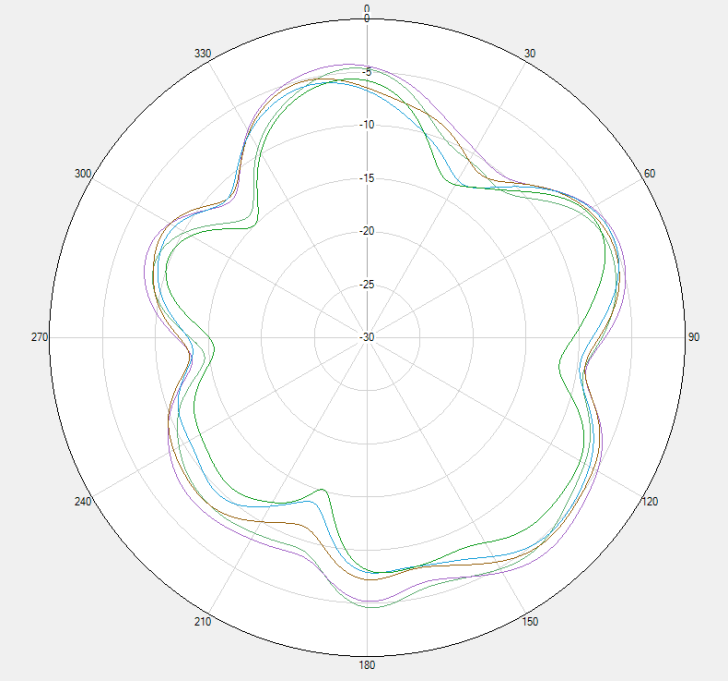
ANT3



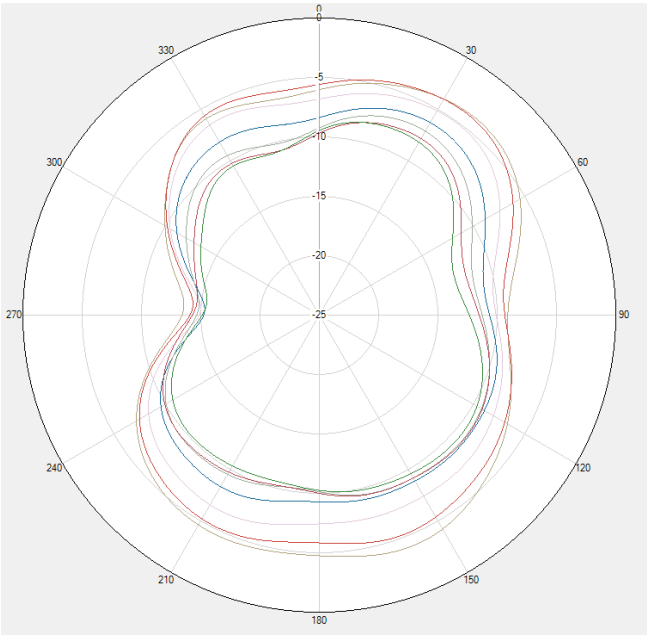
DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66 Phi=0deg



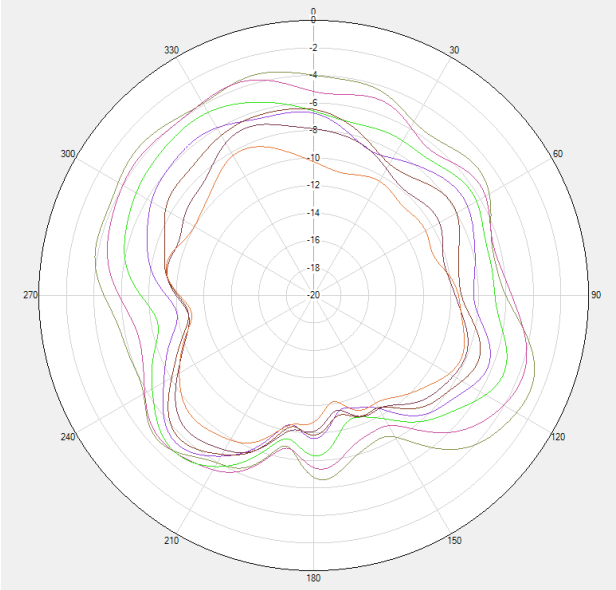
DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66 Phi=90deg



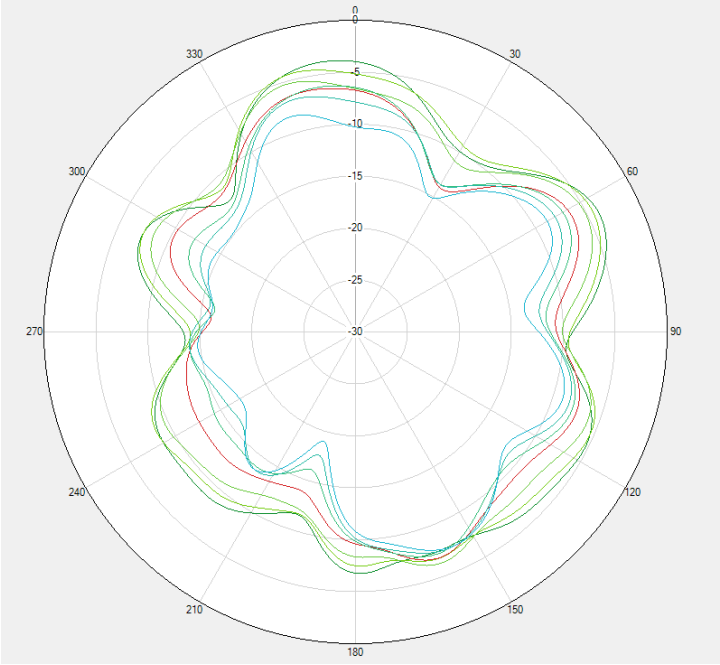
DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66 Theta=90deg



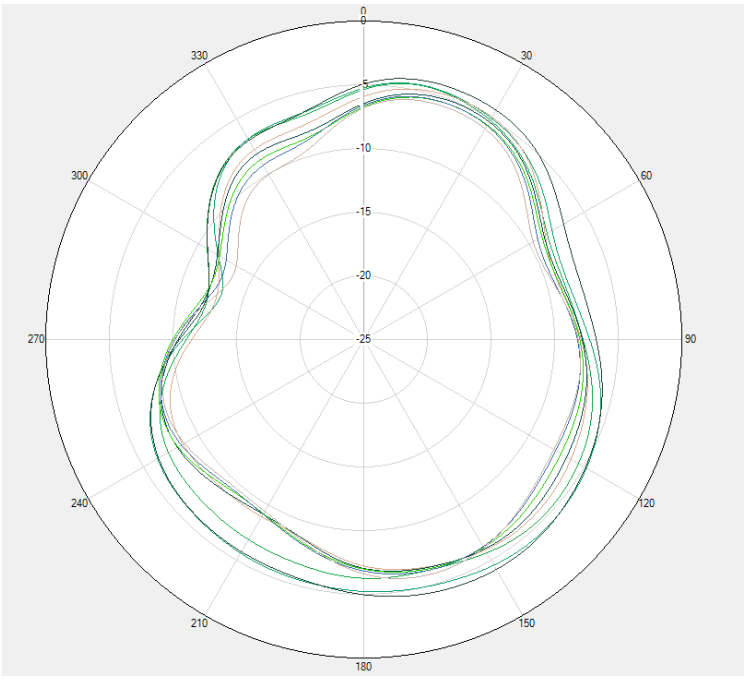
WCDMA B1/LTE B1/ PCS/WCDMA B2/LTE B2 Phi=0deg



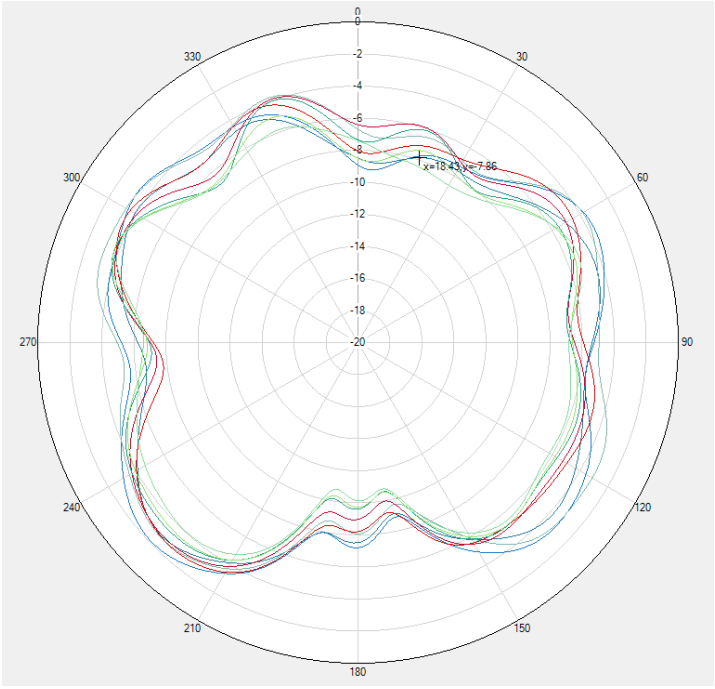
WCDMA B1/LTE B1/ PCS/WCDMA B2/LTE B2 Phi=90deg



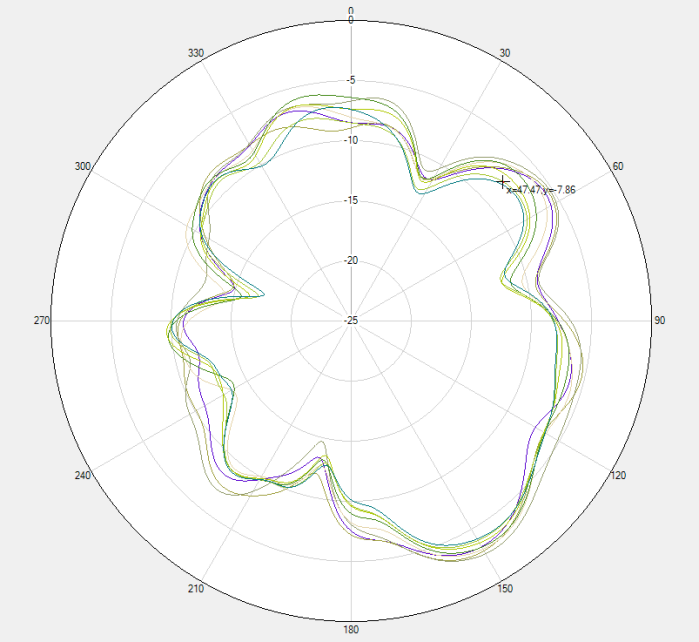
WCDMA B1/LTE B1/ PCS/WCDMA B2/LTE B2 Theta=90deg



LTE B7/B38/B41 NR n7/n38/n41/LTE B40 NR n40Phi=0deg



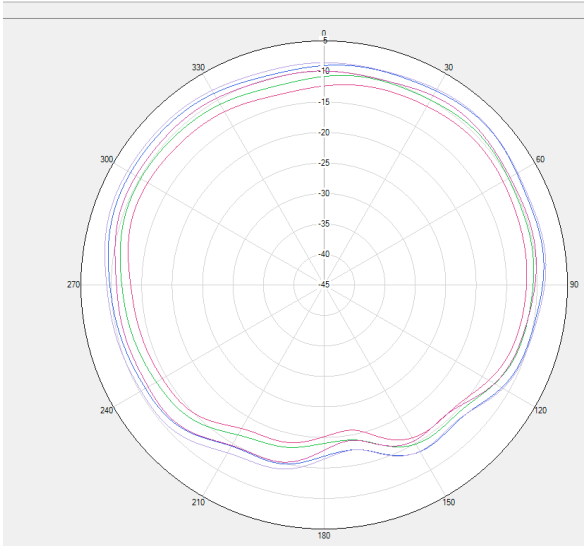
LTE B7/B38/B41 NR n7/n38/n41/LTE B40 NR n40Phi=90deg



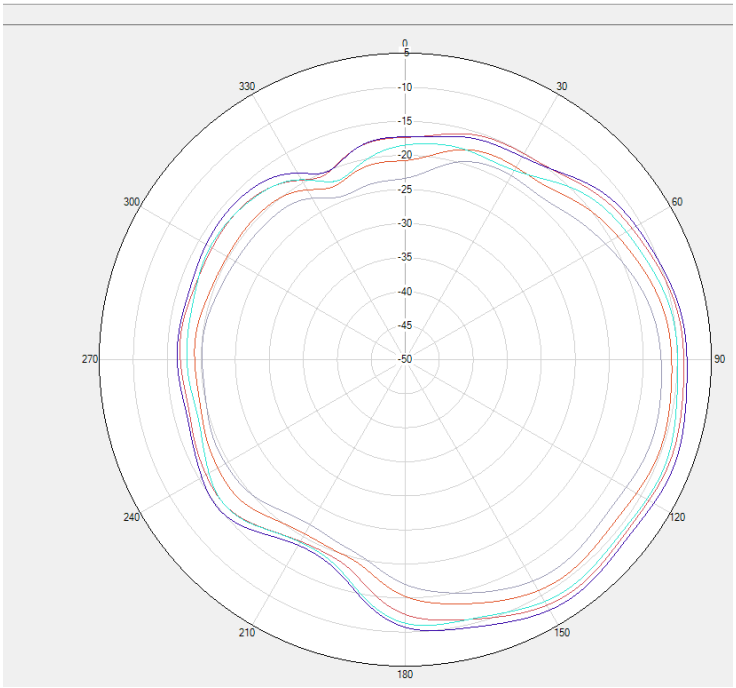
LTE B7/B38/B41 NR n7/n38/n41/LTE B40 NR n40 Theta=90deg

※ Antenna Gain

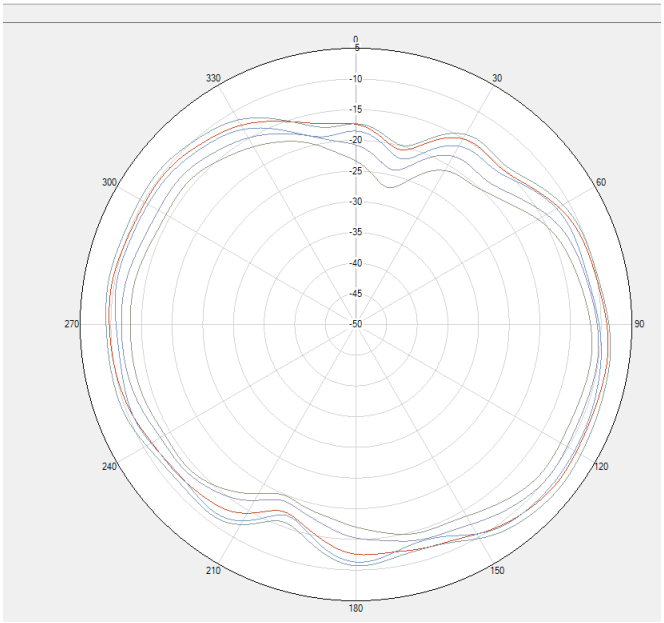
ANT4



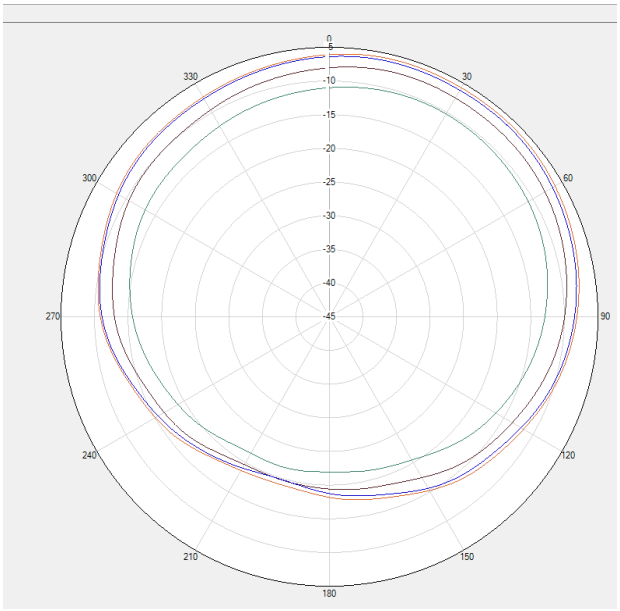
GSM900,B8,N8,WB8 Phi=0deg



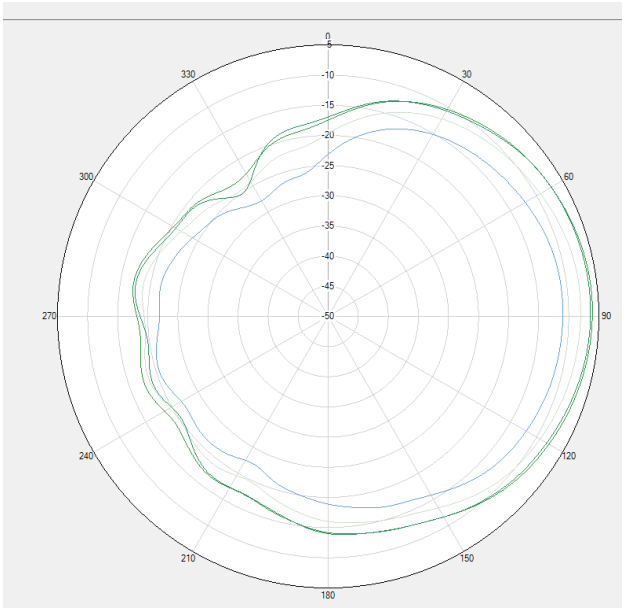
GSM900,B8,N8,WB8　　Phi=90deg



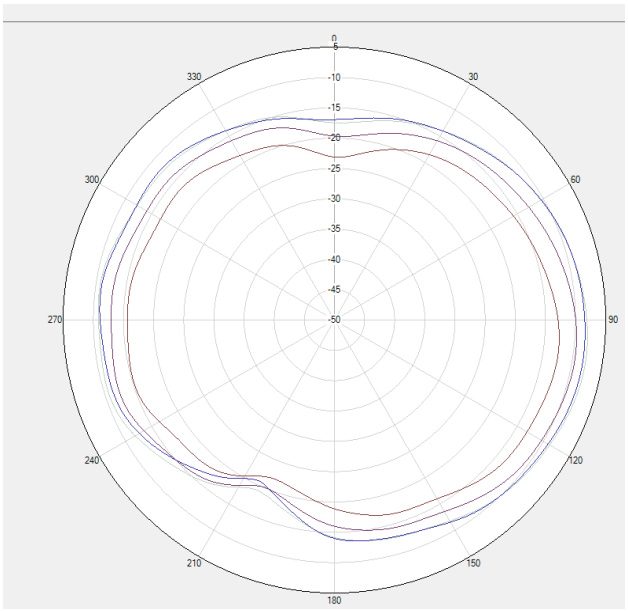
GSM900,B8,N8,WB8　　Theta=90deg



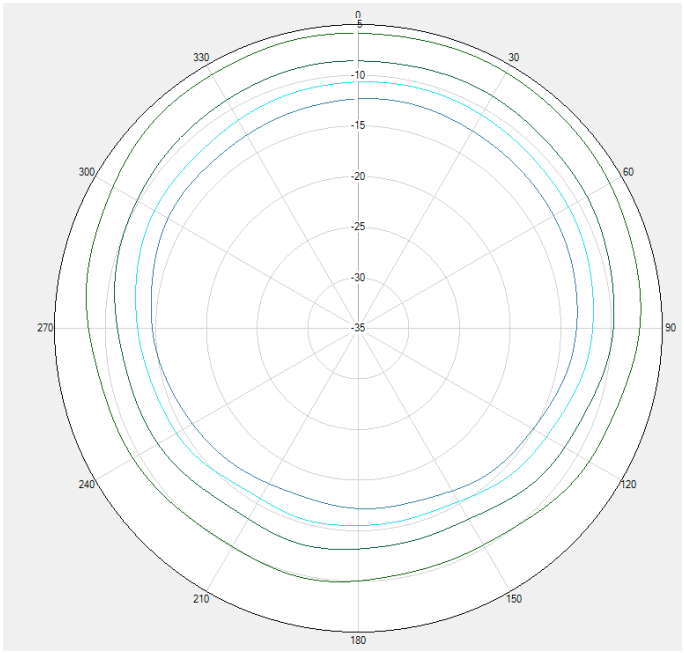
GSM850&B5,WB5,N5 Phi=0deg



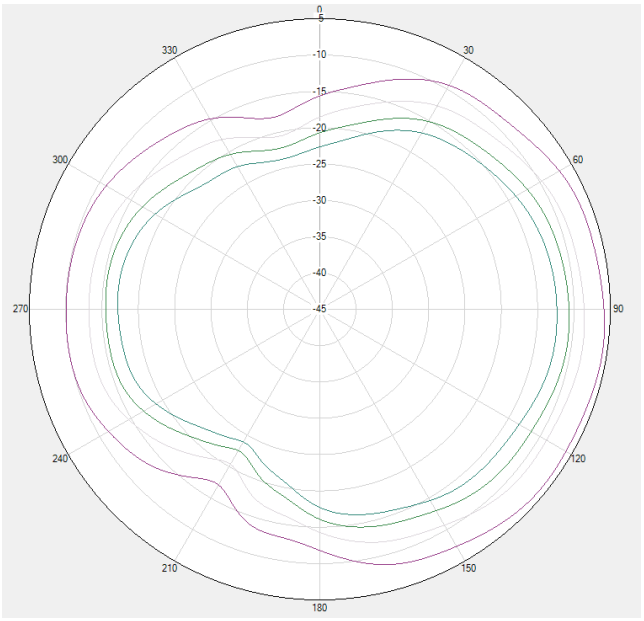
GSM850&B5,WB5,N5 Phi=90deg



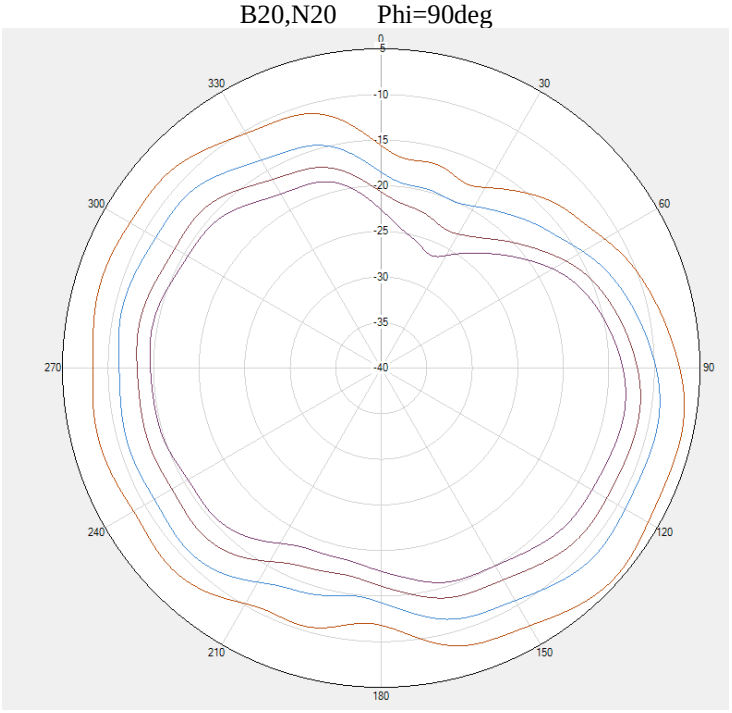
GSM850&B5,WB5,N5 Theta=0deg



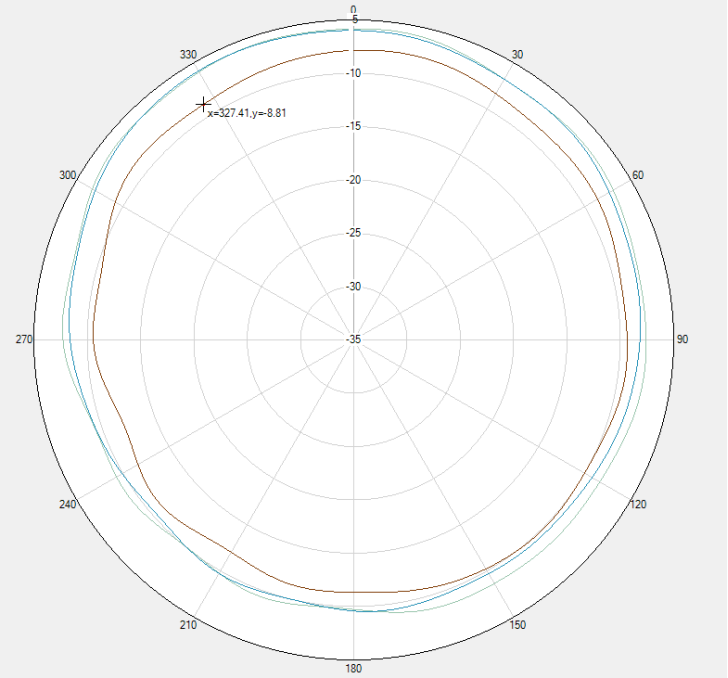
B20,N20 Phi=0deg



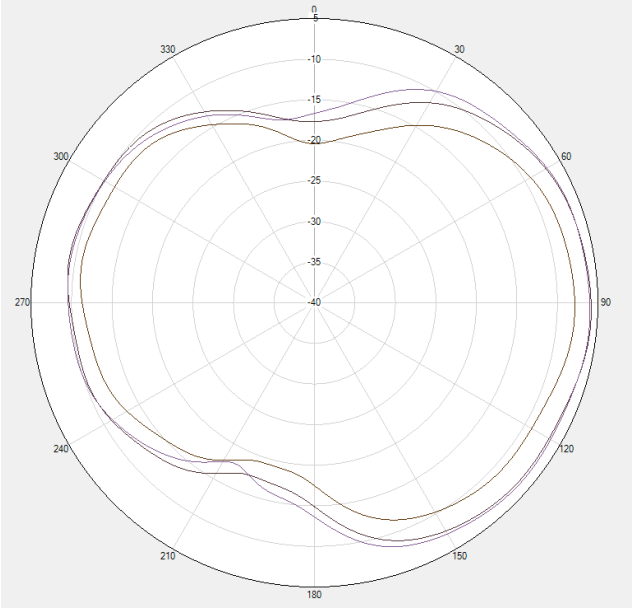
B20,N20 Phi=90deg



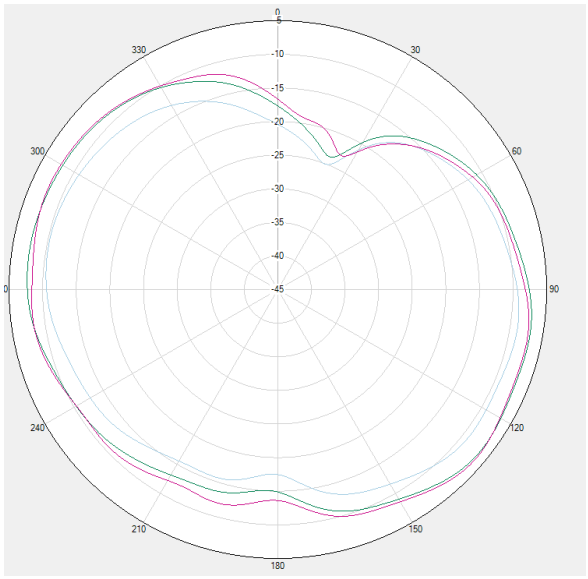
B20,N20 Theta=90deg



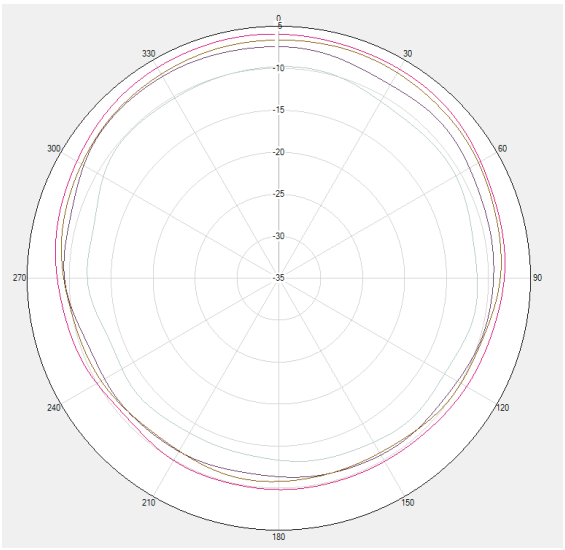
B12,B17,N12 Phi=0deg



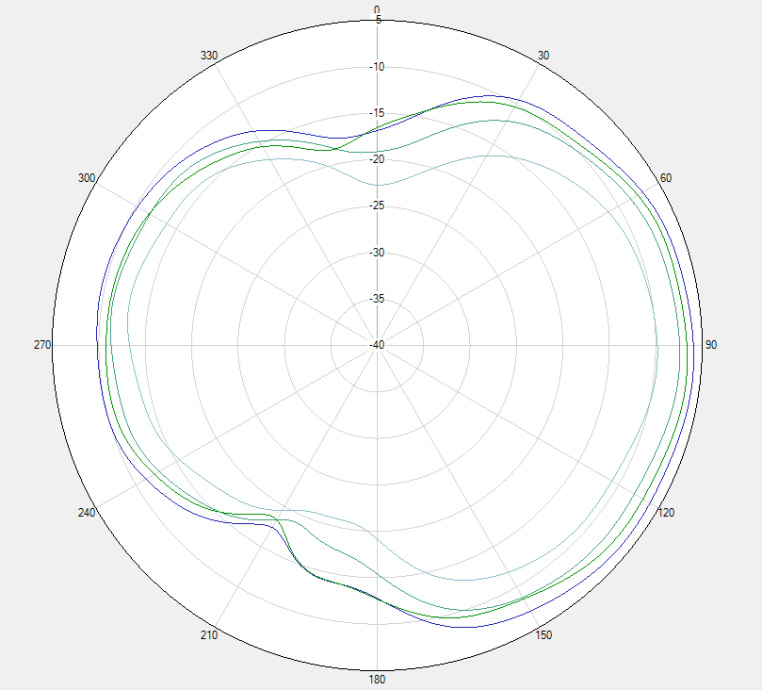
B12,B17,N12 Phi=90deg



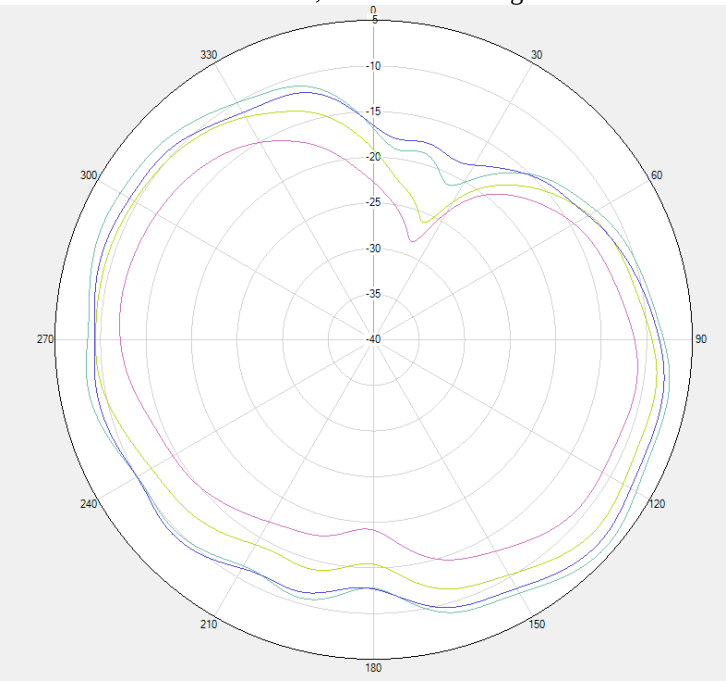
B12,B17,N12 Theta=90deg



B13&B28,N28 Phi=0deg



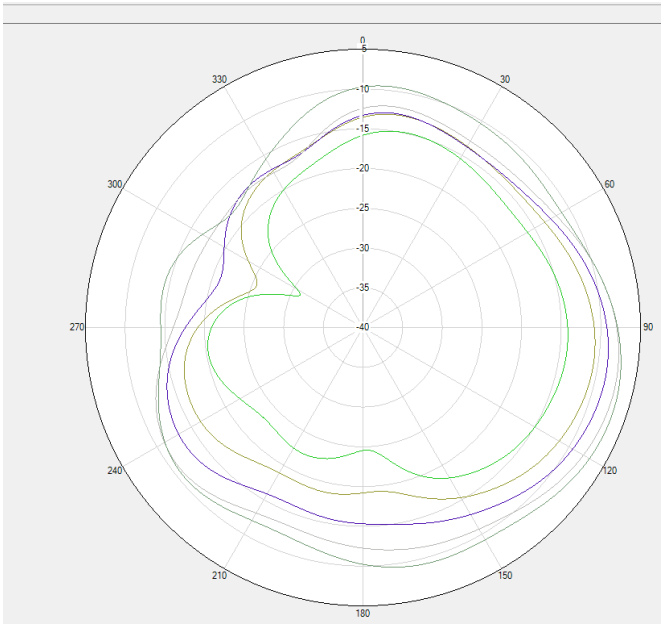
B13&B28,N28 Phi=90deg



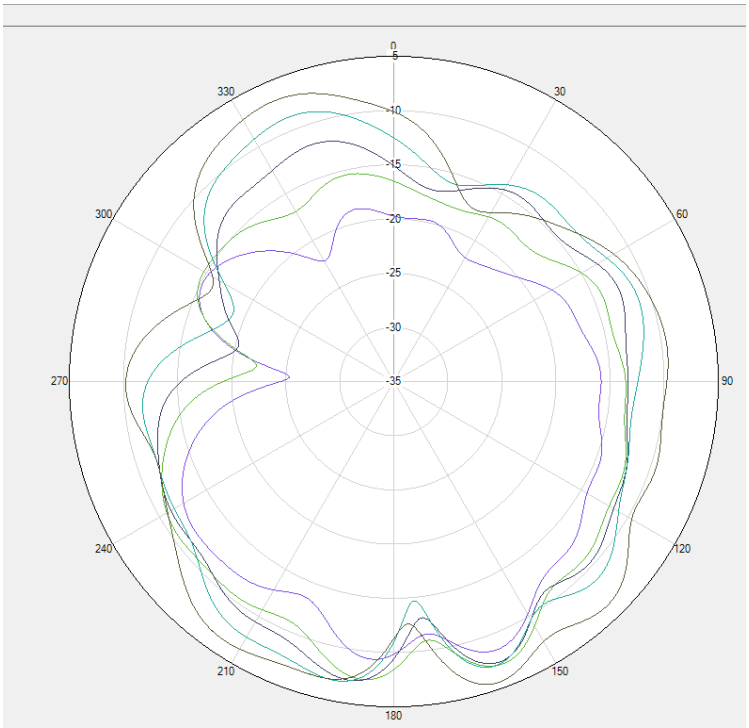
B13&B28,N28 Theta=90deg

※ Antenna Gain

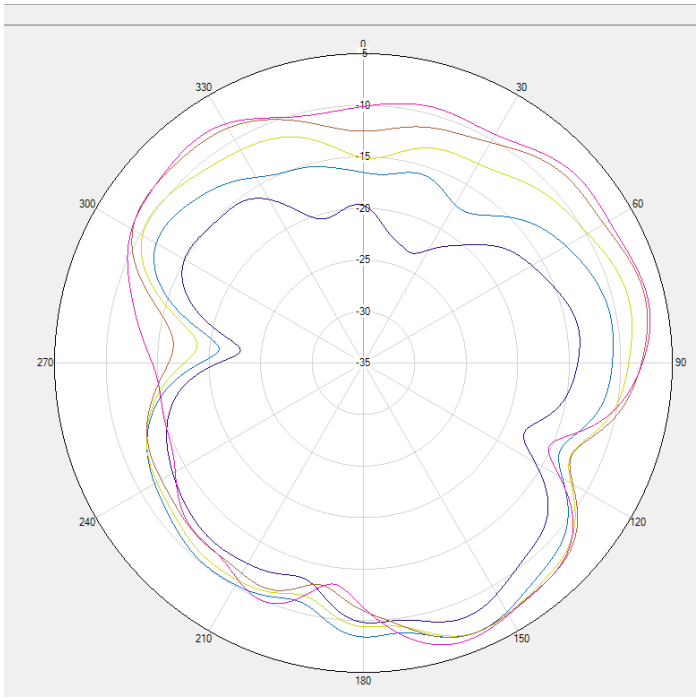
ANT5



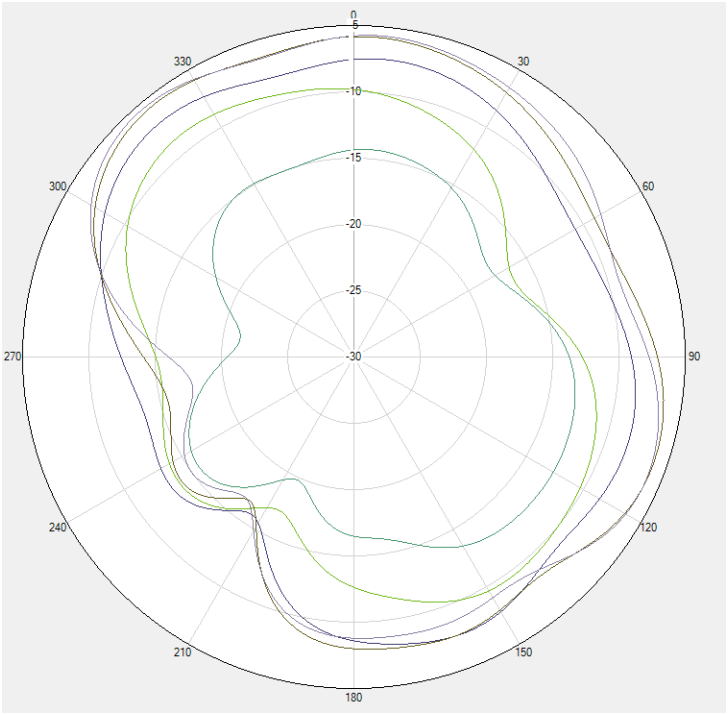
LTE DCS/PCS/WB2/B2/B3/B4/B66 NR n3/n66 Phi=0deg



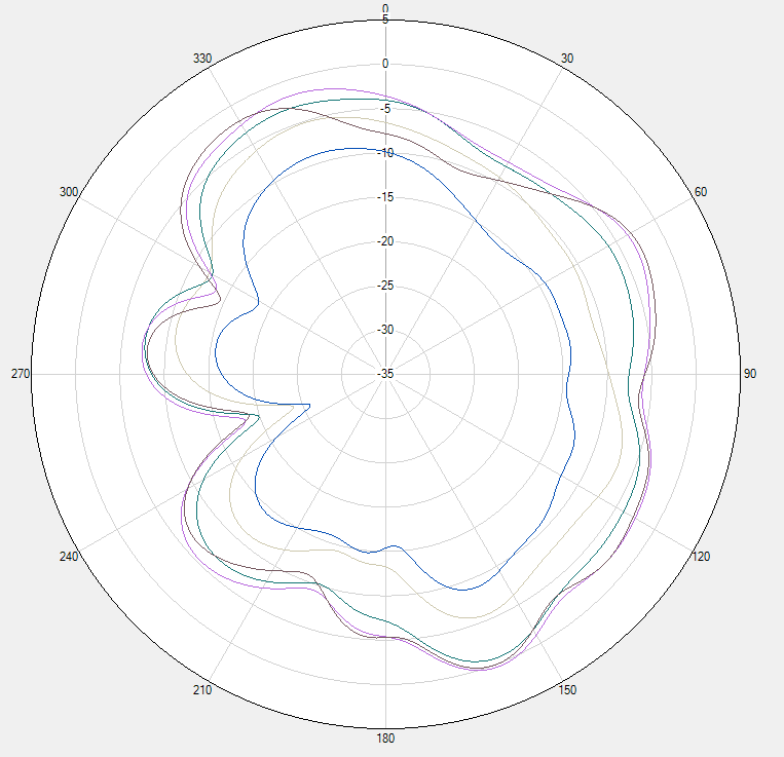
LTE DCS/PCS/WB2/B2/B3/B4/B66 NR n3/n66 Phi=90deg



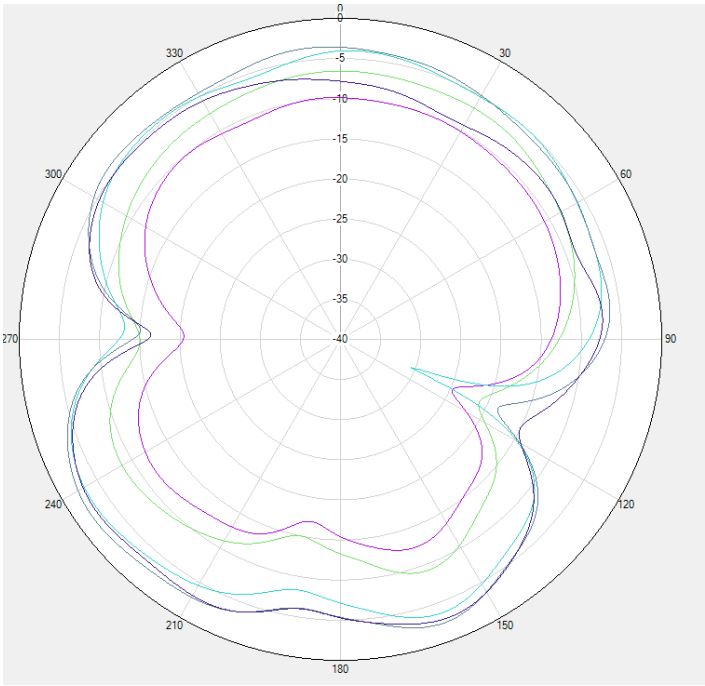
LTE DCS/PCS/WB2/B2/B3/B4/B66 NR n3/n66 Theta=90deg



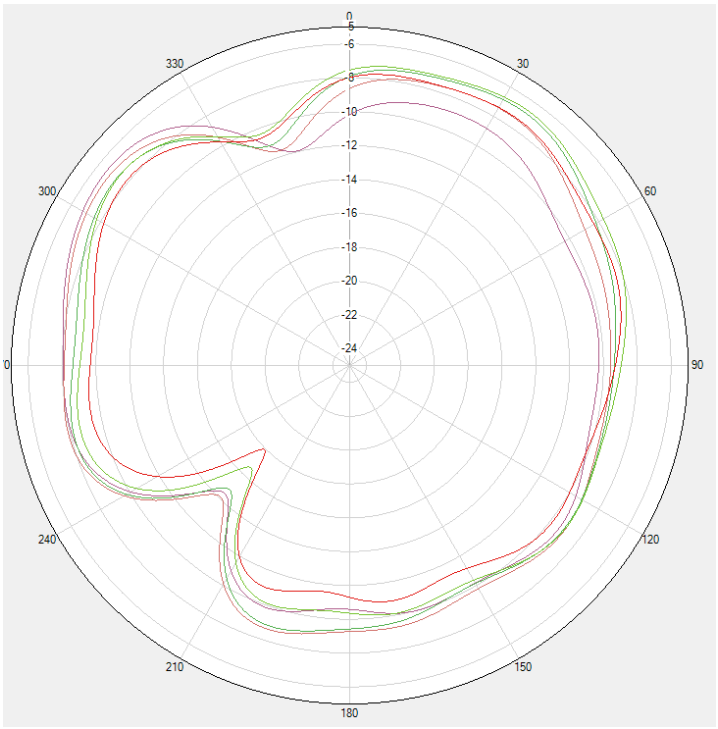
LTE B1/NR n1 Phi=0deg



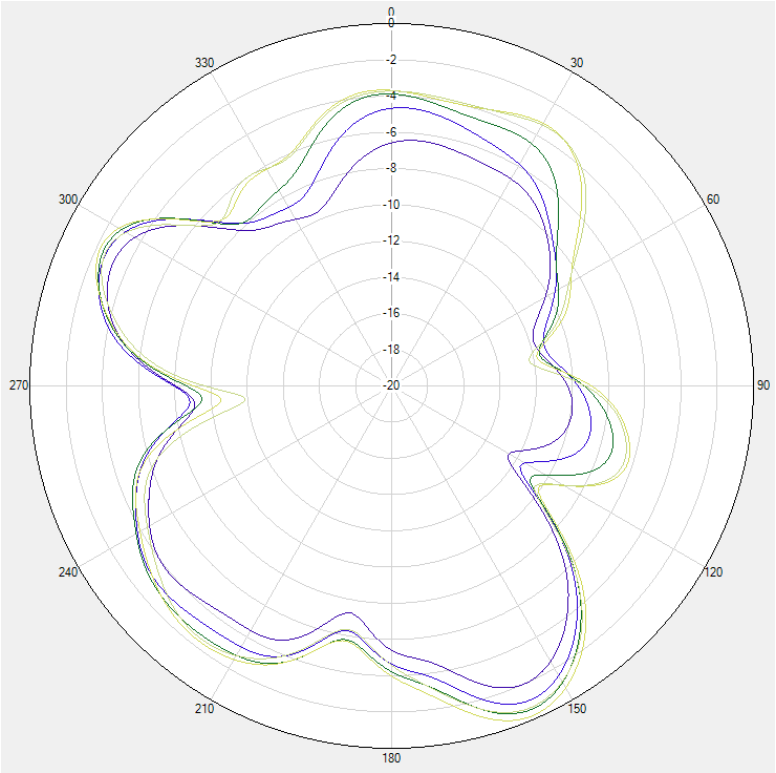
LTE B1/NR n1 Phi=90deg



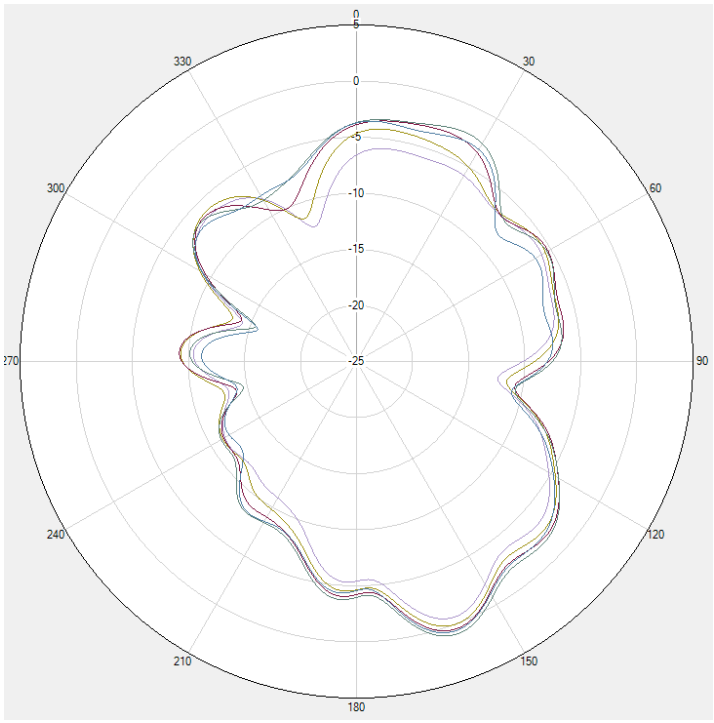
LTE B1/NR n1 Theta=90deg



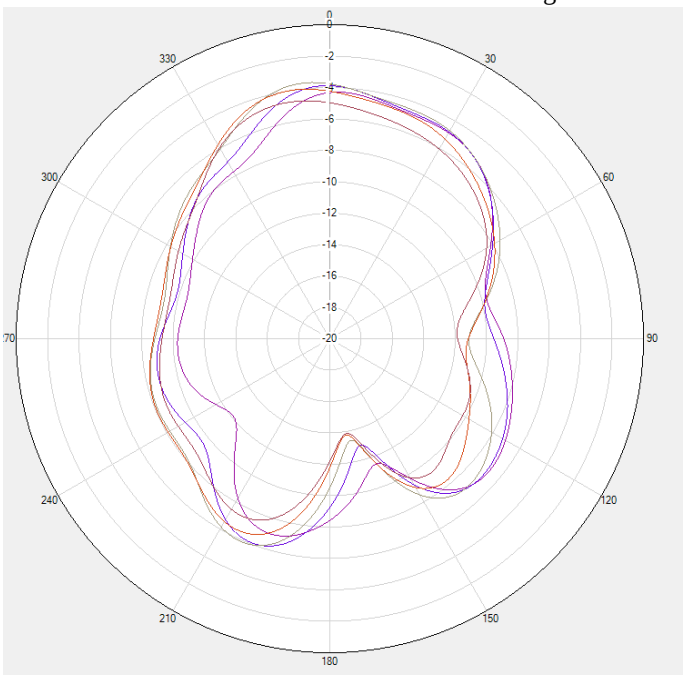
LTE B40/NR n40 Phi=0deg



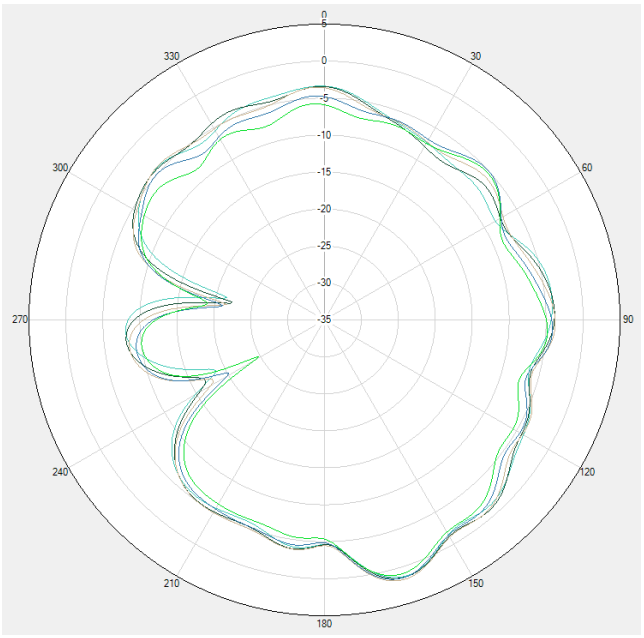
LTE B40/NR n40 Phi=90deg



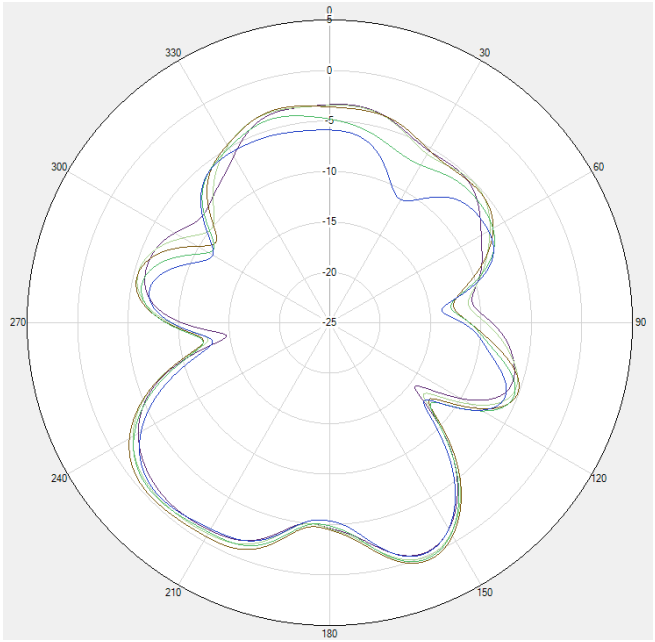
LTE B40/NR n40 Theta=90deg



LTE B7/B38/B40/41 NR n7/n38/n40/n41 Phi=0deg



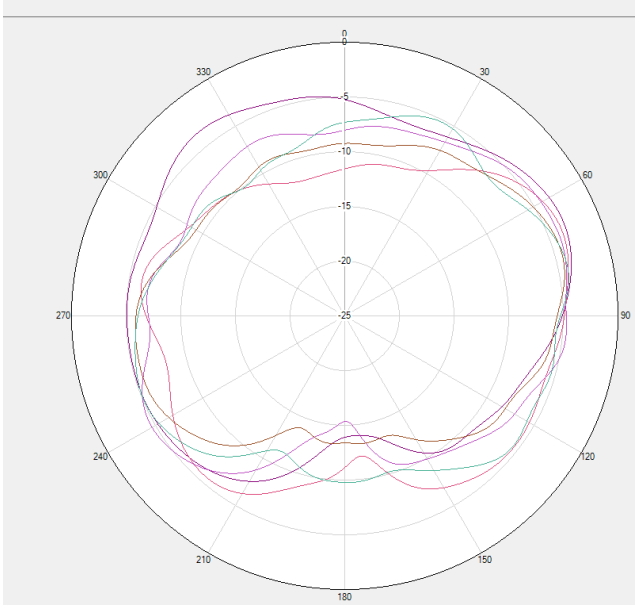
LTE B7/B38/B40/41 NR n7/n38/n40/n41 Phi=90deg



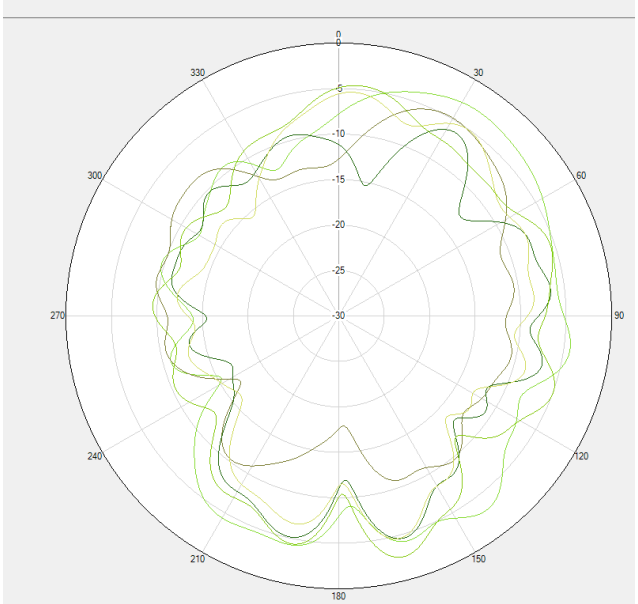
LTE B7/B38/B40/41 NR n7/n38/n40/n41 Theta=90deg

※ Antenna Gain

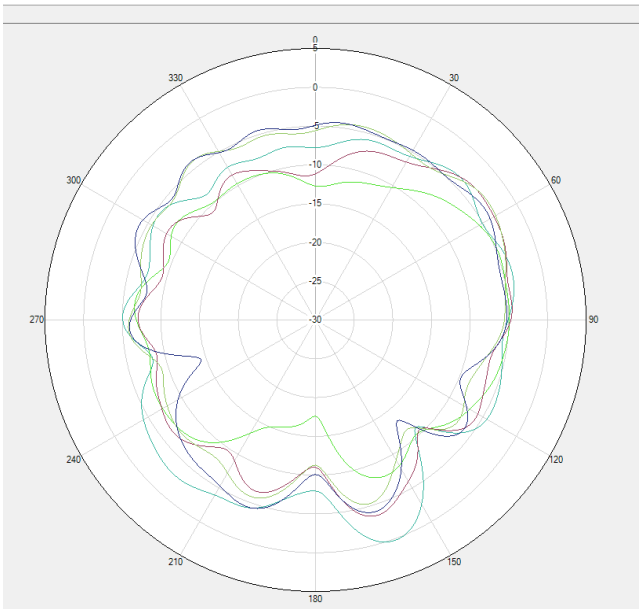
ANT6



B42/NR n77/78 Phi=0deg



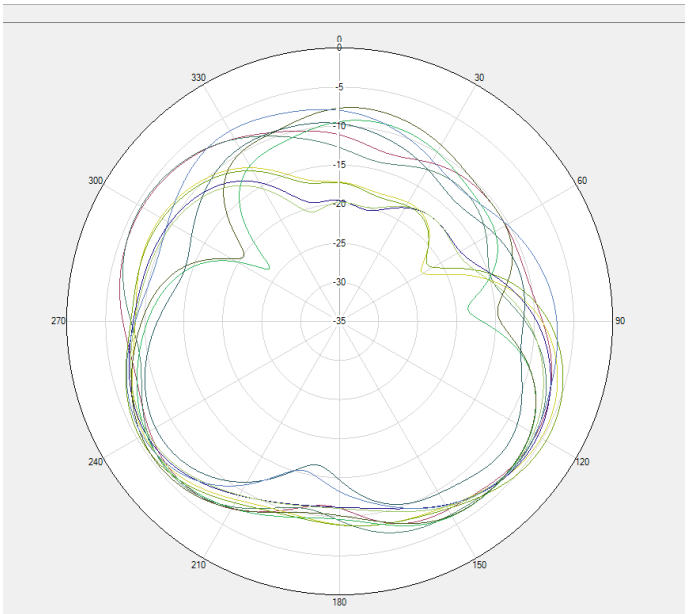
B42/NR n77/78 Phi=90deg



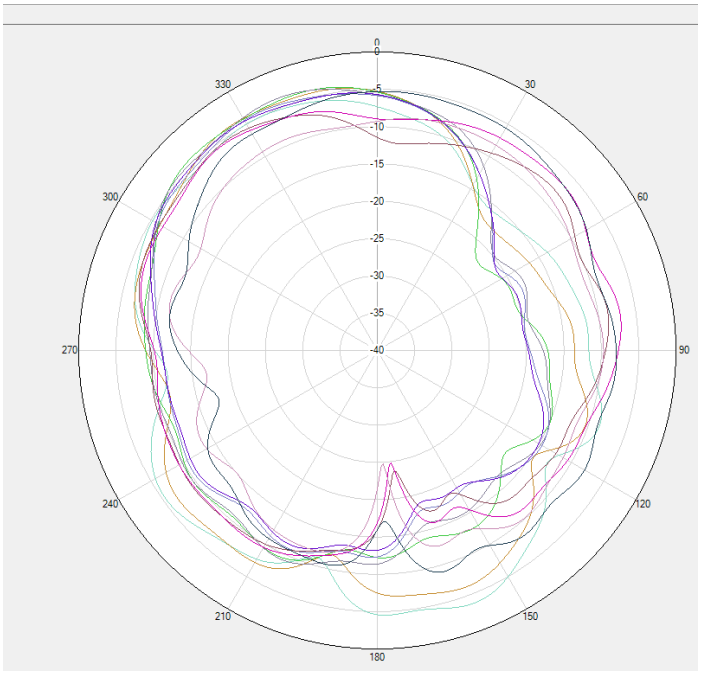
B42/NR n77/78 Theta=90deg

※ Antenna Gain

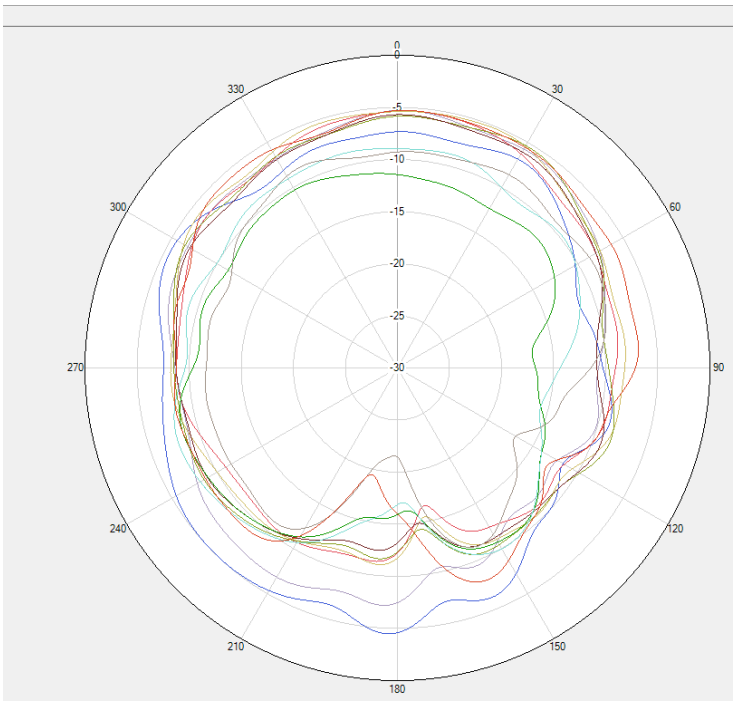
ANT7



B1/B3/B7/B38/B40/B41Phi=0deg



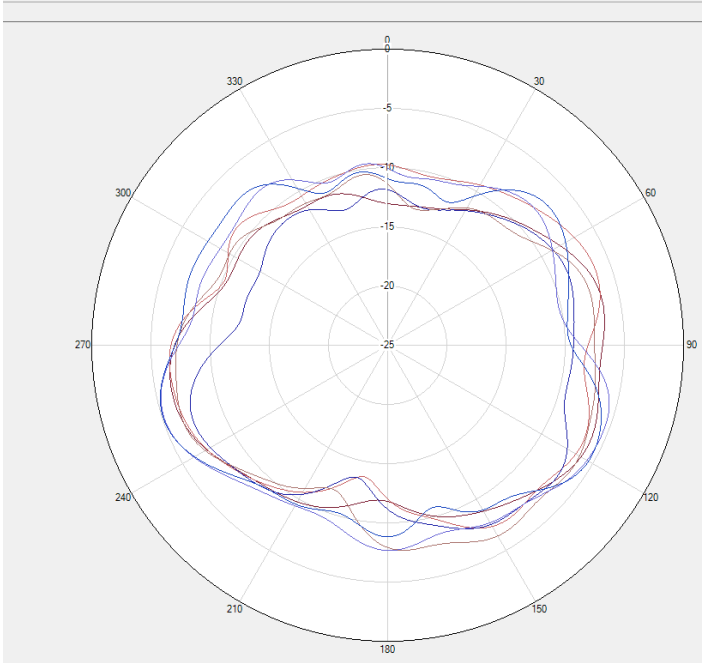
B1/B3/B7/B38/B40/B41Phi=90deg



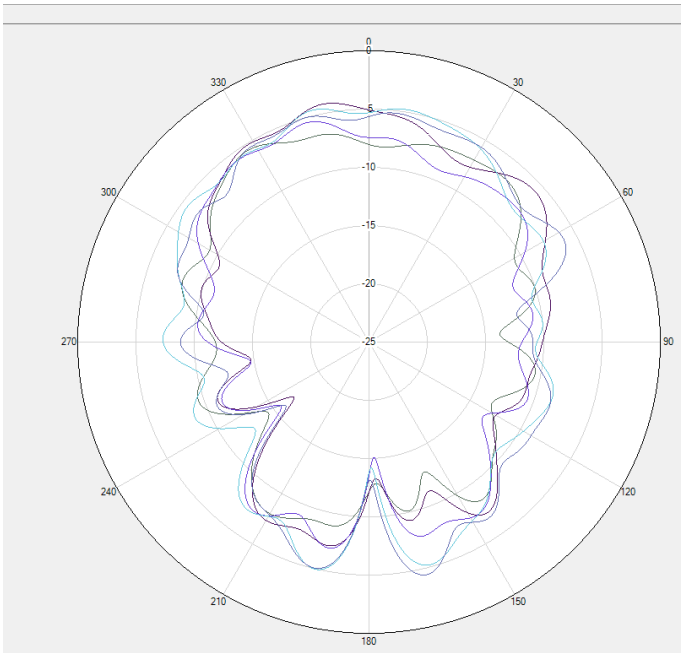
B1/B3/B7/B38/B40/B41 Theta=90deg

※ Antenna Gain

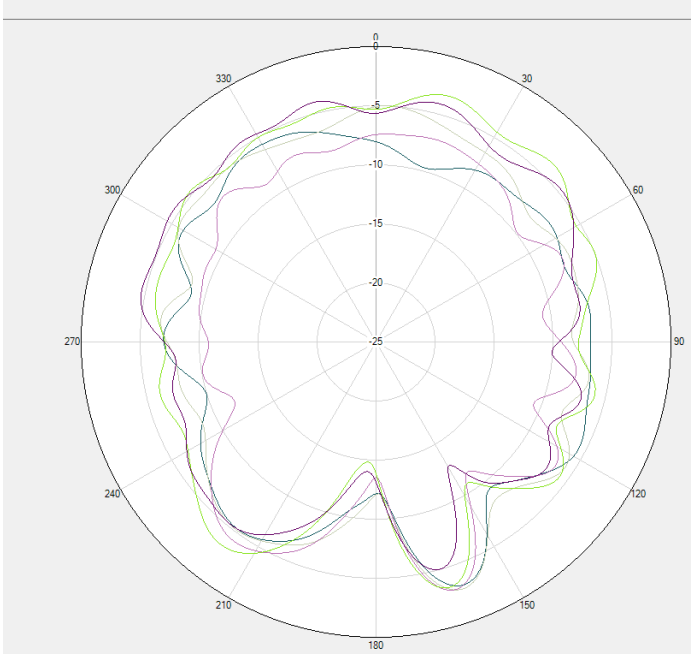
ANT8



B42/N77/N78 Phi=0deg



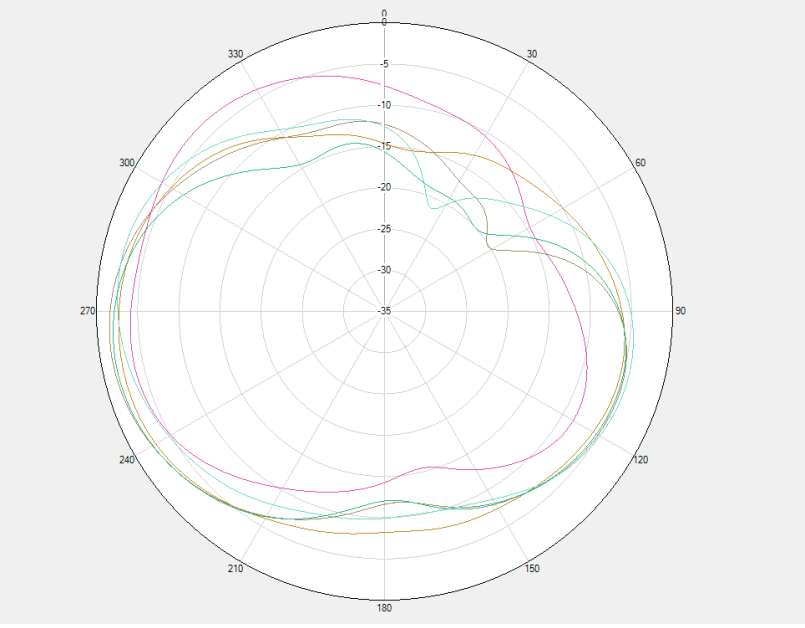
B42/N77/N78 Phi=90deg



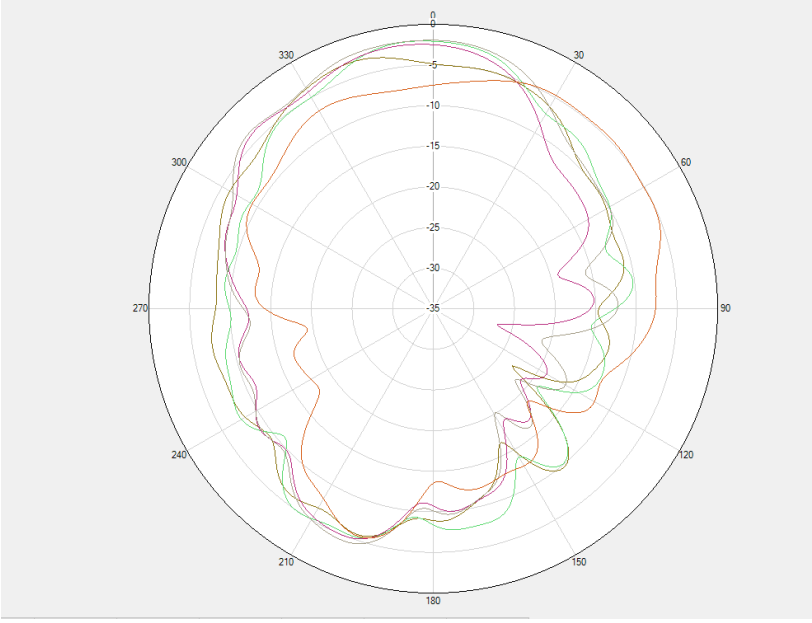
B42/N77/N78 Theta=90deg

※ Antenna Gain

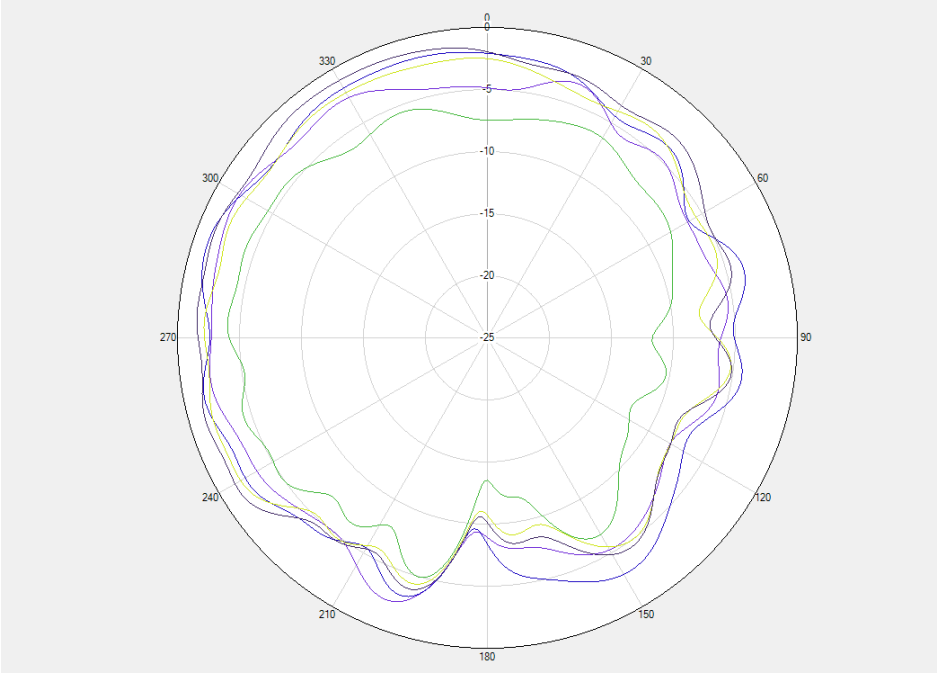
ANT9



B42/N77/N78 Phi=0deg



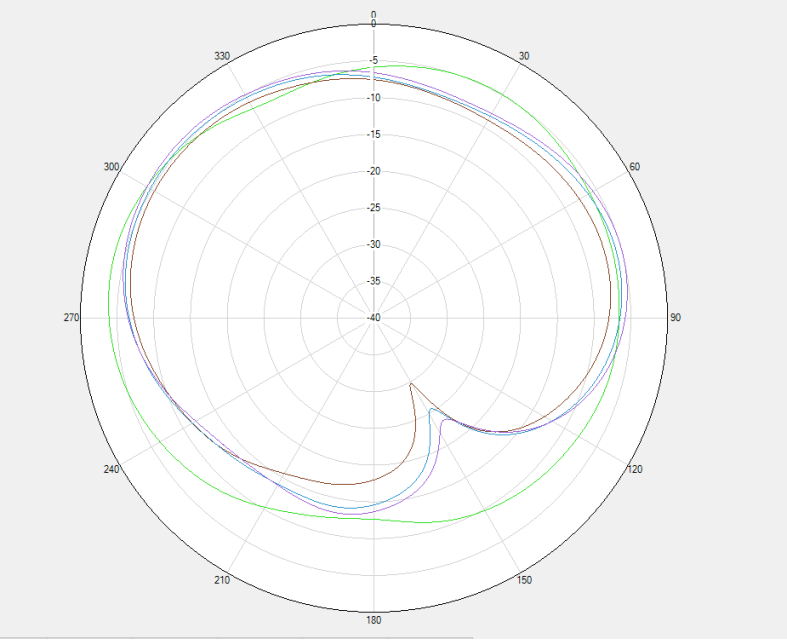
B42/N77/N78 Phi=90deg



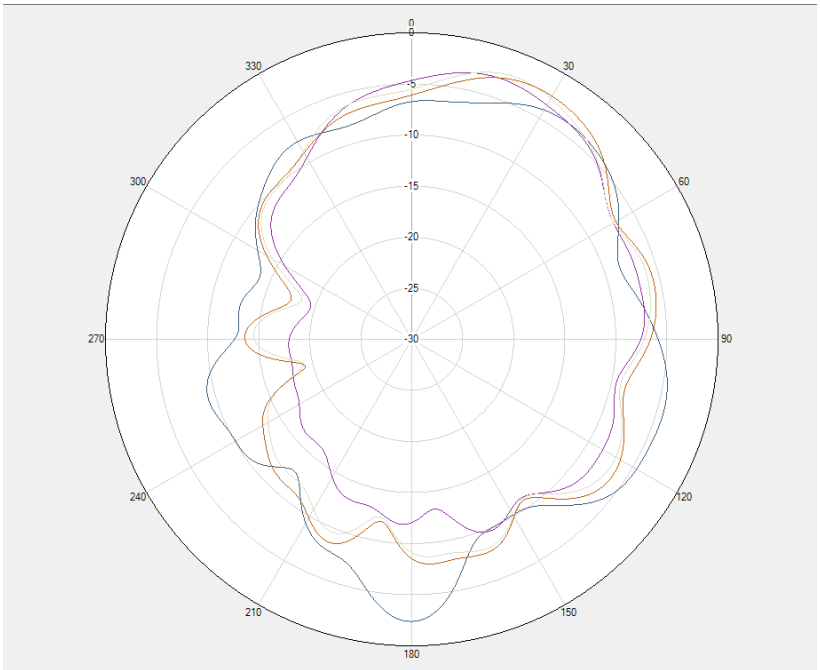
B42/N77/N78 Theta=90deg

※ Antenna Gain

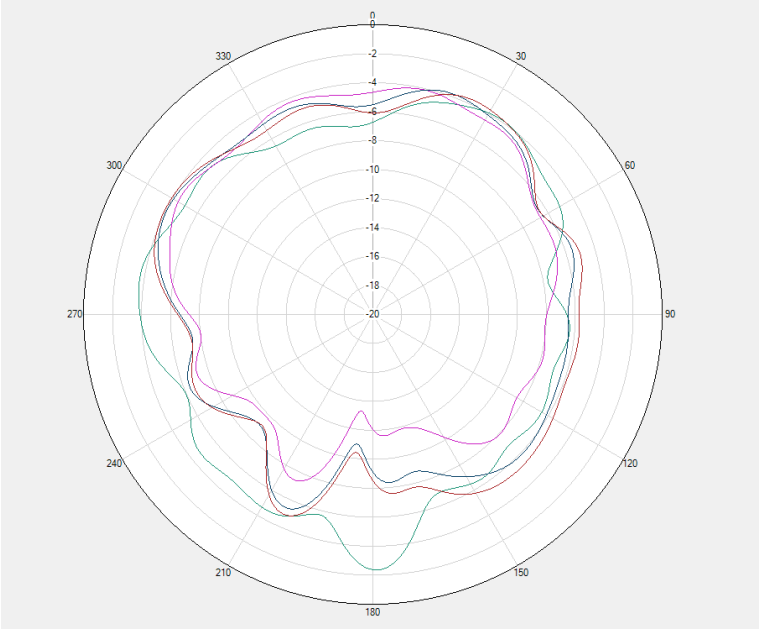
ANT12



GPS/BT/Wifi 2.4G Phi=0deg



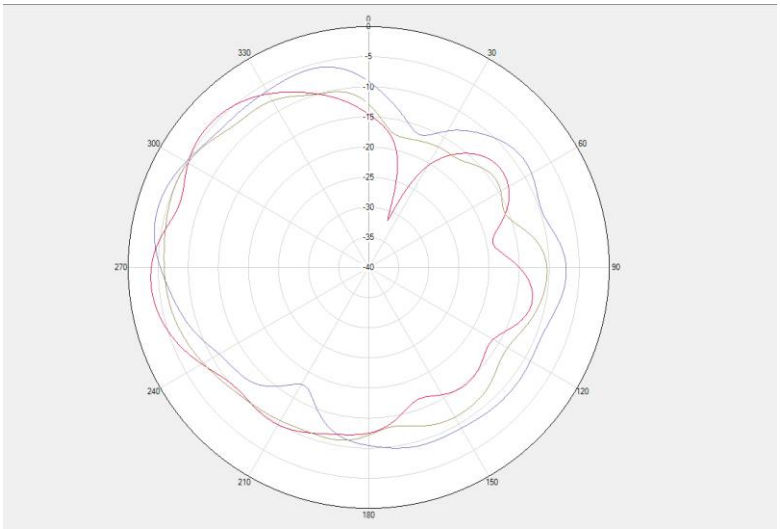
GPS/BT/Wifi 2.4G Phi=90deg



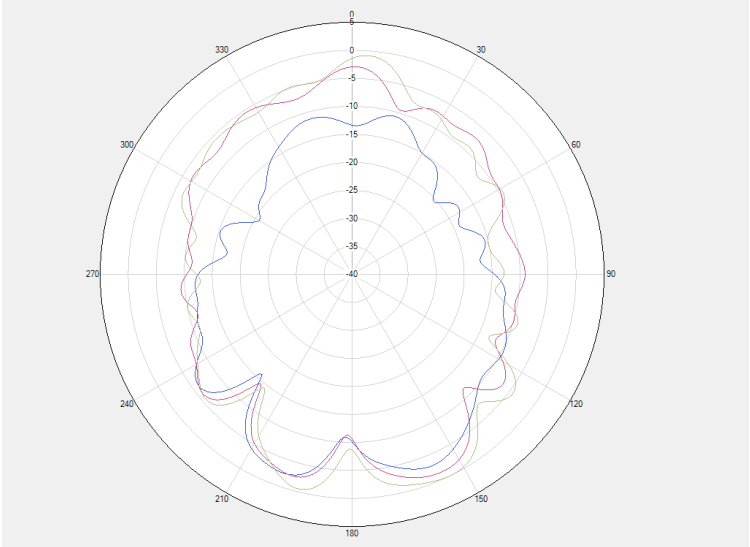
GPS/BT/Wifi 2.4G Theta=90deg

※ Antenna Gain

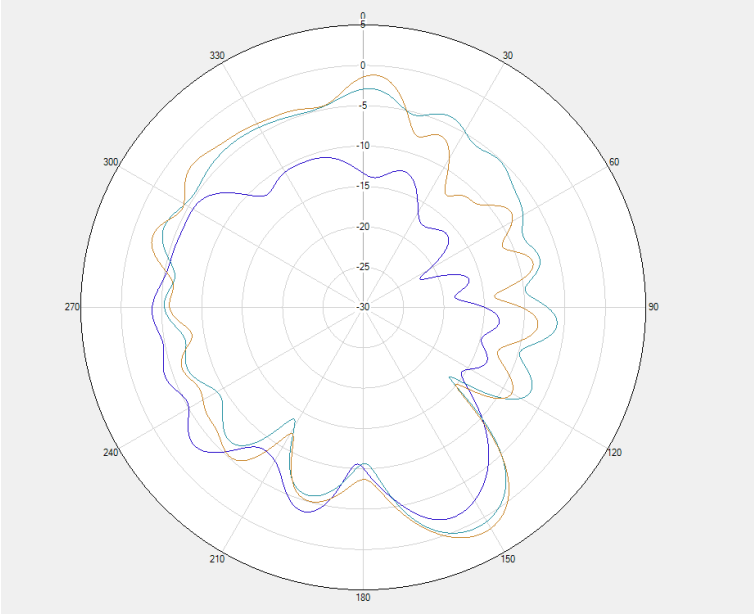
ANT13



Wifi 5G Phi=0deg



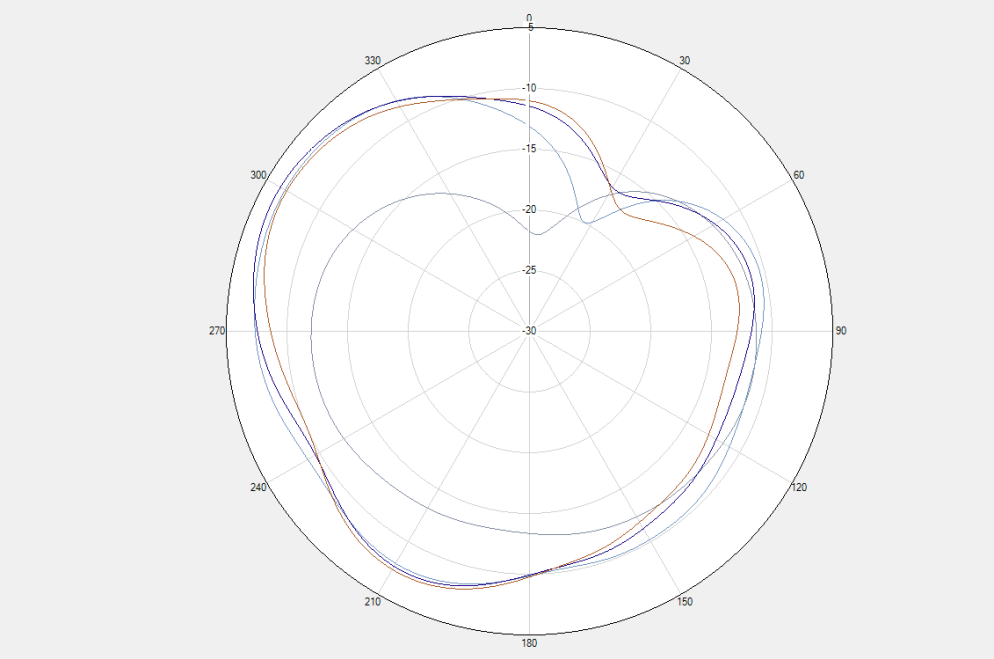
Wifi 5G Phi=90deg



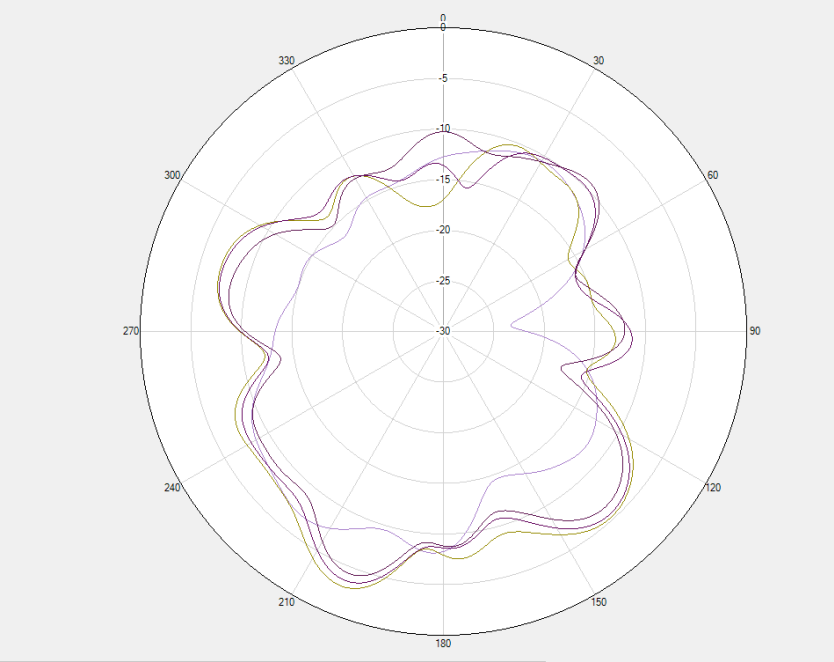
Wifi 5G Theta=90deg

※ Antenna Gain

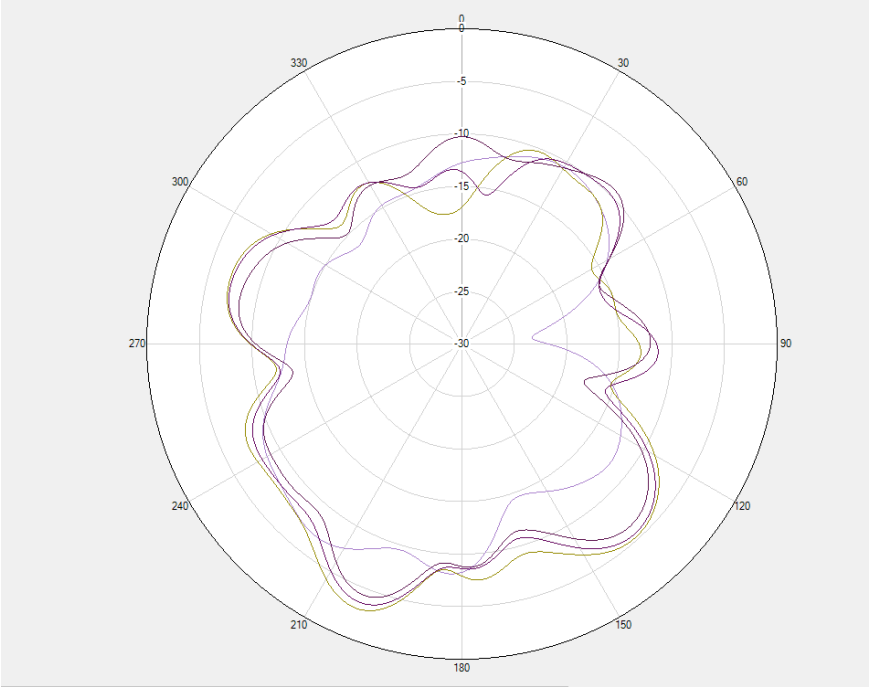
ANT14



L5/ Wifi 2.4G Phi=0deg



L5/ Wifi 2.4G Phi=90deg



L5/ Wifi 2.4G Thera=90deg

Antenna Location:

ANT 0: N77/78 PRX2+WIFI5G MIMO1
ANT 1: EN-MB DRX(DRX2)
ANT 2: LB PRX+EN-HB DRX(DRX2)
ANT 3: MHB PRX
ANT 4: LB DRX
ANT 5: MHB DRX
ANT 6: N77/78 DRX2
ANT 7: EN-MHB PRX (PRX2)
ANT 8: N77/78 DRX
ANT 9: N77/78 PRX

ANT12: GPS L1+WIFI 2.4G MIMO1
ANT13: WIFI 5G MIMO2 (FPC)
ANT14: GPS L5+WIFI 2.4G MIMO2