

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

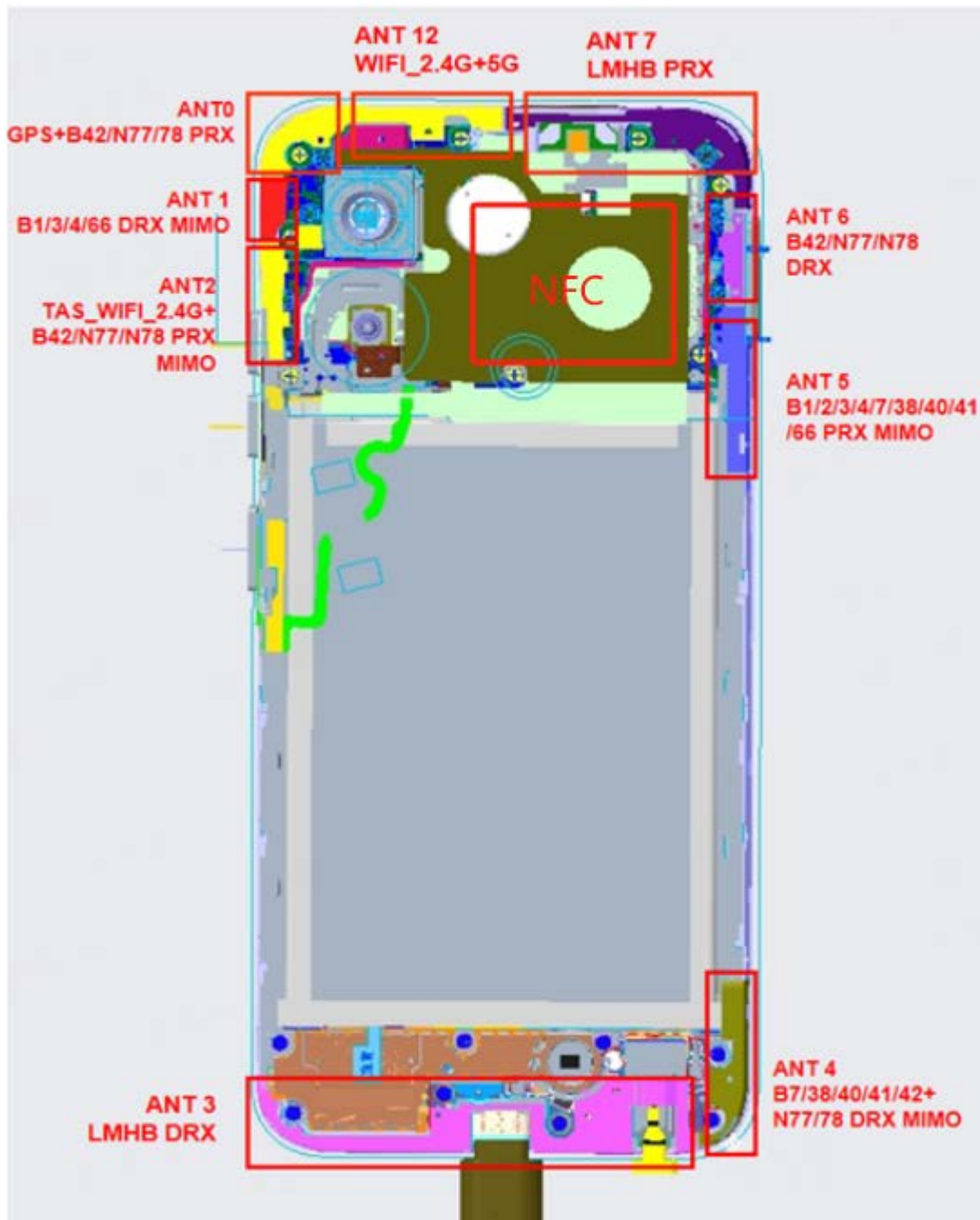
Name and address of the antenna manufacturer	Model number of the antenna
SHENZHEN STRONGPOWER COMMUNICATION CO.,LTD Room 502, building w2-a, gaoxinnan 4th Road, South District, high tech park, Nanshan District, Shenzhen	RQ-X6720-ANT0&ANT12-XX-XX RQ-X6720-ANT1-XX-XX RQ-X6720-ANT2-XX-XX RQ-X6720-ANT3-XX-XX RQ-X6720-ANT4-XX-XX RQ-X6720-ANT5-XX-XX RQ-X6720-ANT6-XX-XX RQ-X6720-ANT7-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
		LTE B42 NR n77/n78:3300-4200MHz
		Receiver Frequency
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		
LTE B42 NR n77/n78:3300-4200MHz		
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/B66: 23+/-2dBm
		WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm
Antenna Gain	ANT0	GPS_L1: -0.56dBi
		LTE B42 & NR n77/n78: -2.92dBi
	ANT2	WIFI-2.4G & BT: -4.27dBi
		LTE B42 & NR n77/n78: -6.6dBi
	ANT3	GSM 850/WCDMA B5/LTE B5 NR n5: -8.52dBi
		GSM 900/WCDMA B8/LTE B8 NR n8: -7.95dBi
		DCS/LTE B3/ NR n3:-8.74dBi
		PCS/WCDMA B2 / LTE B2: -3.38dBi
		WCDMA B4/LTE B4/B66 NR n66:-4.74dBi

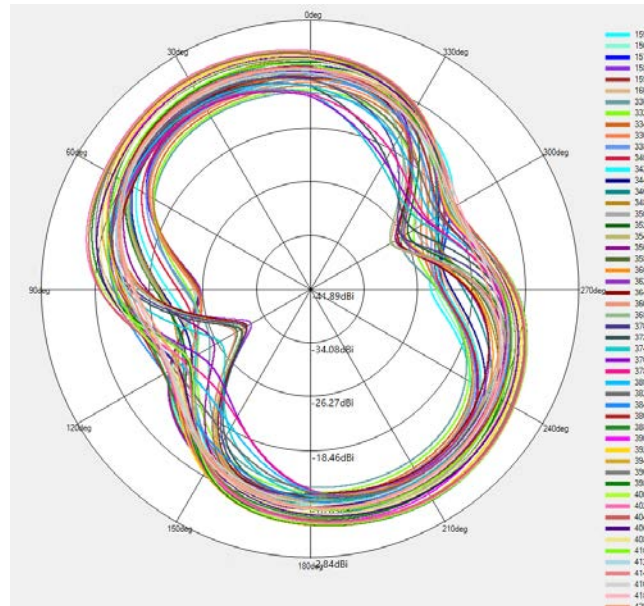
		WCDMA B1/LTE B1 NR n1: -3.03dBi
		LTE B7/B38/B41 NR n7/n38/n41: -9.92dBi
		LTE B40 NR n40: -4.95dBi
		LTE B20 NR n20: -8.75dBi
		LTE B12/B17/B28 NR n12/n28: -9.24dBi
	ANT4	LTE B40 NR n40: -2.77dBi
		LTE B7/B38/B41 NR n7/n38/n41: -4.2dBi
		LTE B42 & NR n77/n78: -4.25dBi
	ANT5	WCDMA B2 / LTE B1/B2/B3: -8.78dBi
		LTE B4/B66: -11.44dBi
		B7/B38/B40/B41: -7.74dBi
	ANT6	LTE B42 & NR n77/n78: -5.17dBi
	ANT7	GSM 850/WCDMA B5/LTE B5 NR n5: -5.68dBi
		GSM 900/WCDMA B8/LTE B8 NR n8: -6.82dBi
		DCS /WCDMA B4/LTE B3/B4/B66 NR n3/n66: -3.04dBi
		PCS: -3.18dBi
		WCDMA B1/LTE B1 NR n1: -2.93dBi
		LTE B7/B38/B41 NR n7/n38/n41: -3.09dBi
		LTE B40 NR n40: -1.29dBi
		LTE B20 NR n20: -6.01dBi
		LTE B12/B17/B28 NR n12/n28: -7.06dBi
	ANT12	WIFI-2.4G & BT: -1.62dBi
		WIFI-5G: -3.73dBi
	Antenna type	RF (PIFA) NFC/ WPT (Coil)

Antenna profile

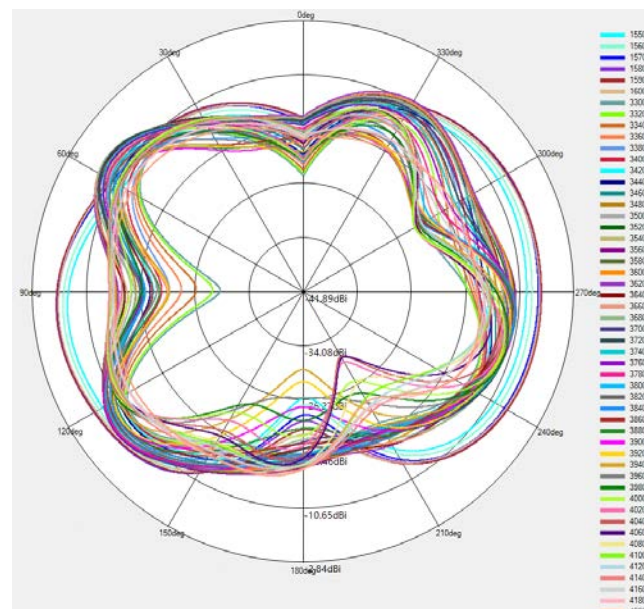


※ Antenna Gain

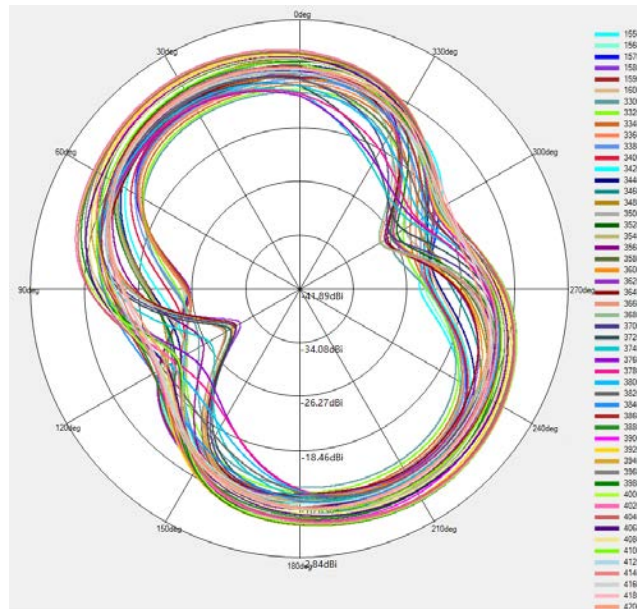
ANT0



GPS & n77/n78 $\Phi=0^\circ$



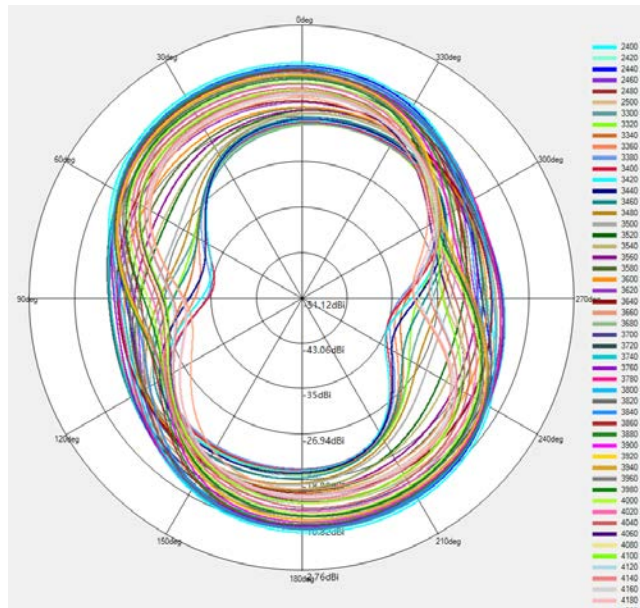
GPS & n77/n78 $\Phi=90^\circ$



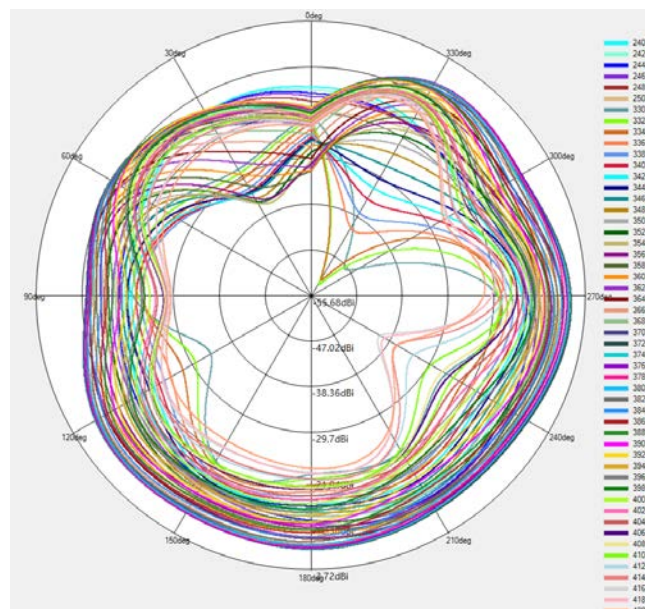
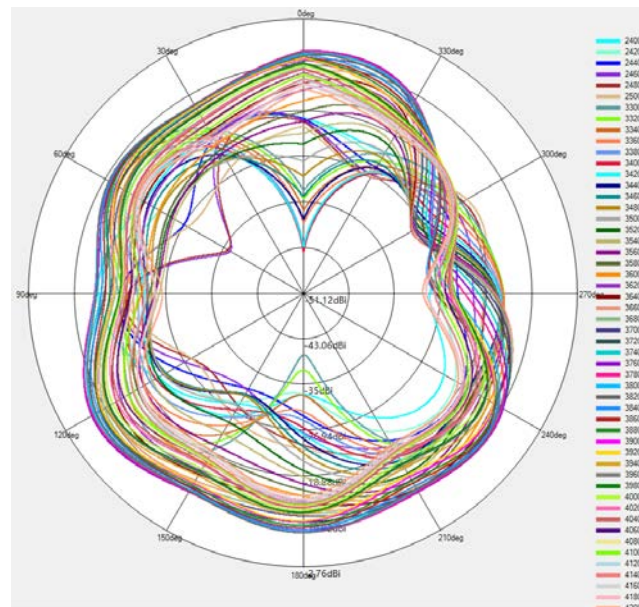
GPS & n77/n78 Theta=90deg

※ Antenna Gain

ANT2

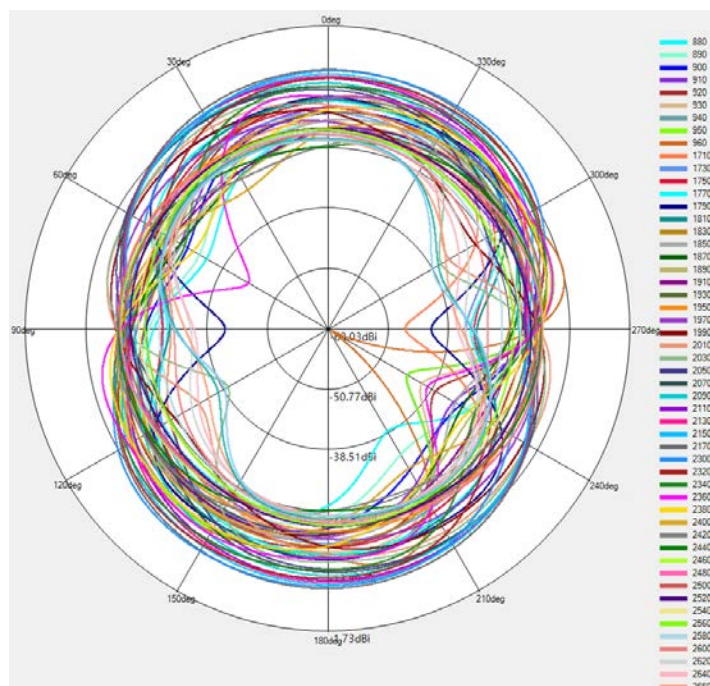


WIFI-2.4G & n77/n78 Phi=0deg

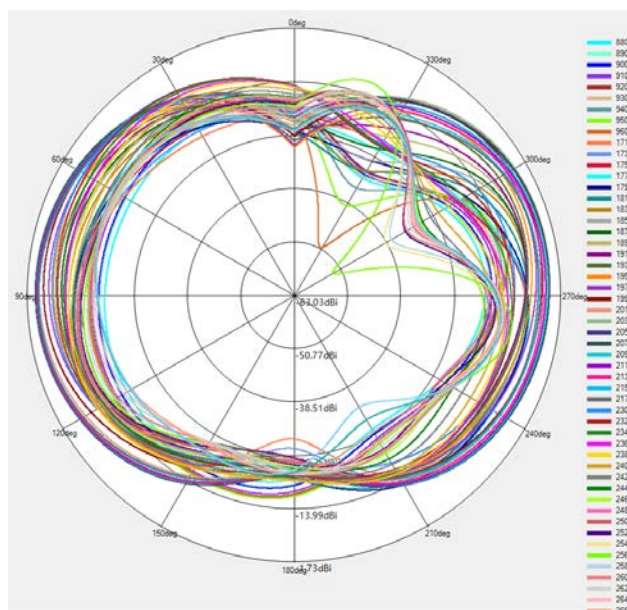


※ Antenna Gain

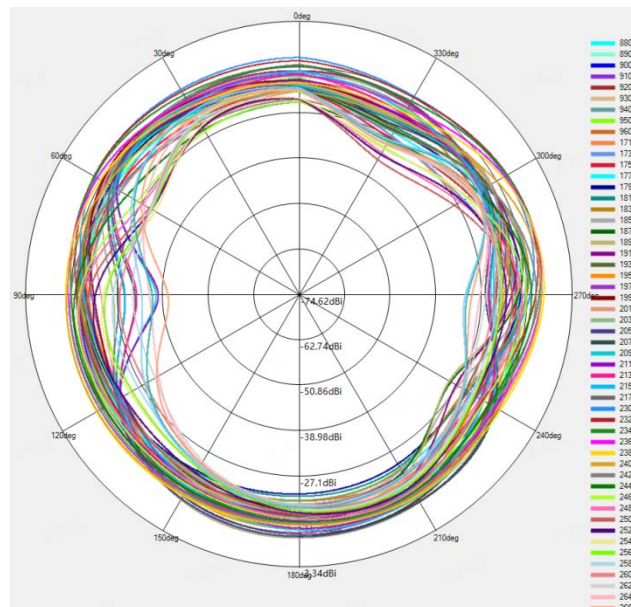
ANT3



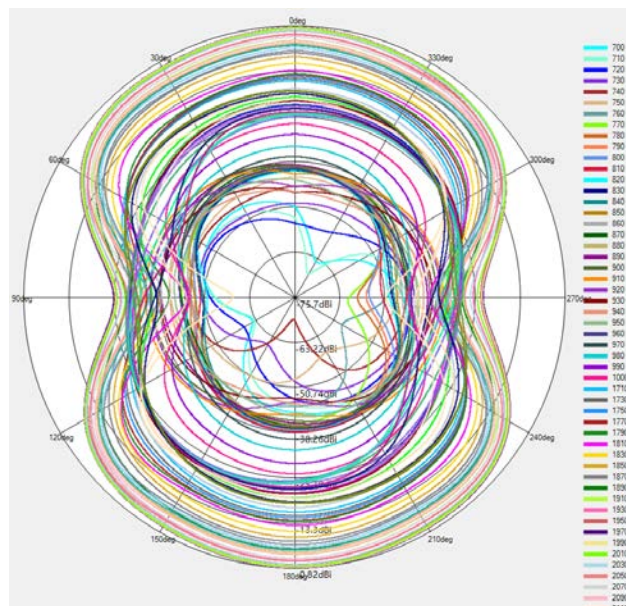
900/WCDMA B1/B4/B8/ LTE B1/4/8/66 NR n1/n8/n66 Phi=0deg



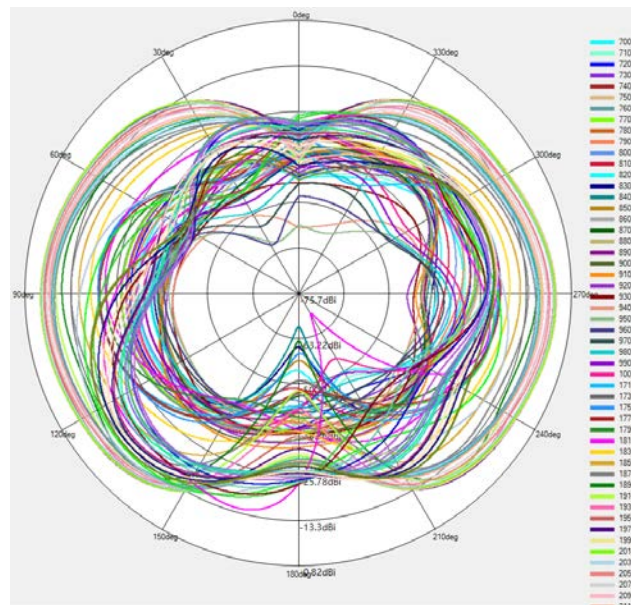
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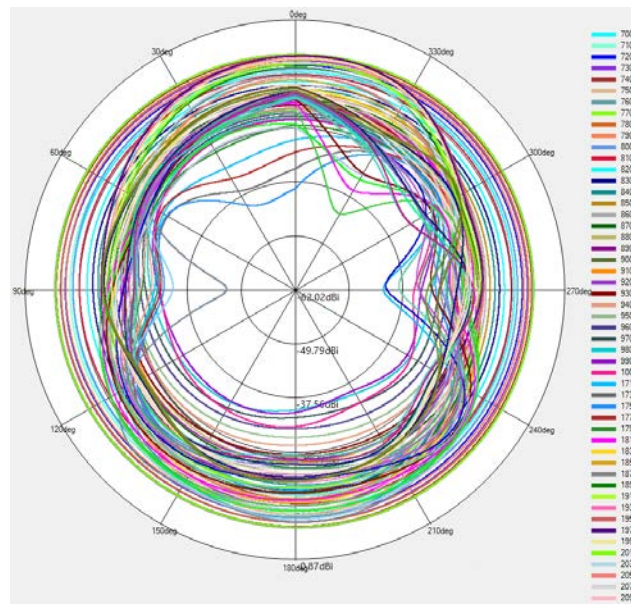
900/WCDMA B1/B4/B8/ LTE B1/4/8/66 NR n1/n8/n66 Theta=90deg



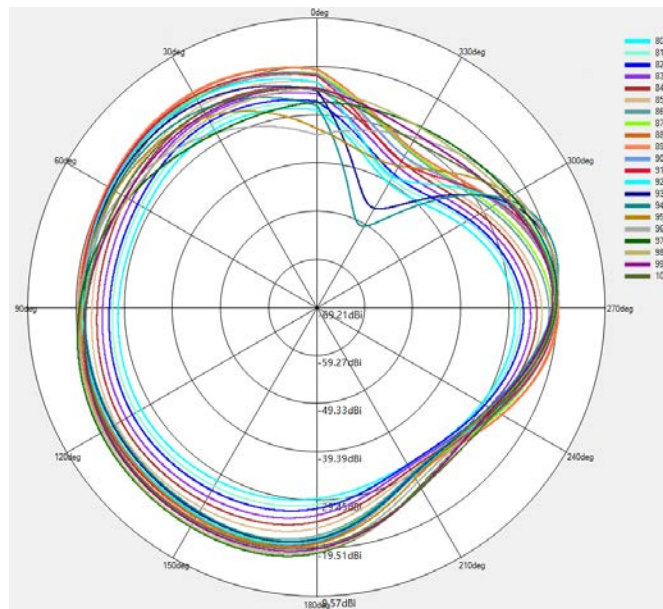
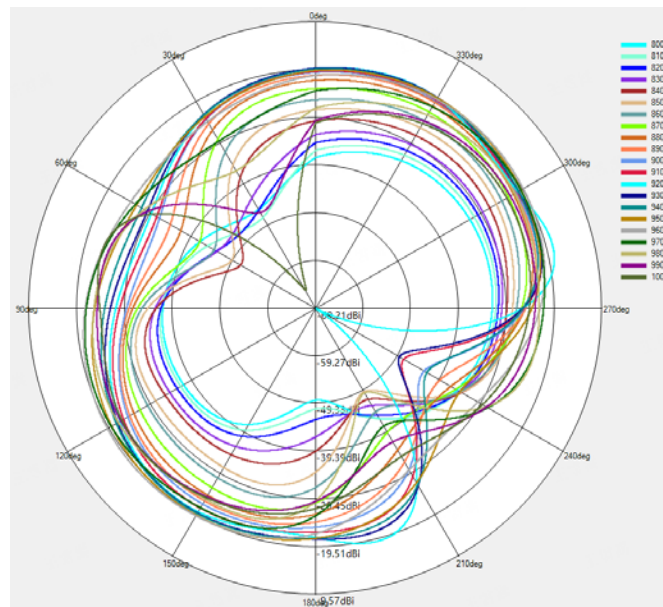
1900/WCDMA B2/ LTE B2/12/17/38 NR n12/n38 Phi=0deg

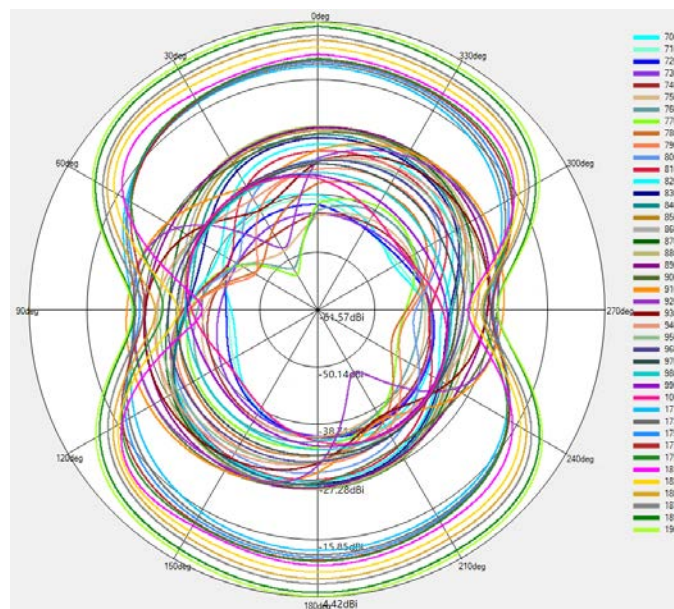
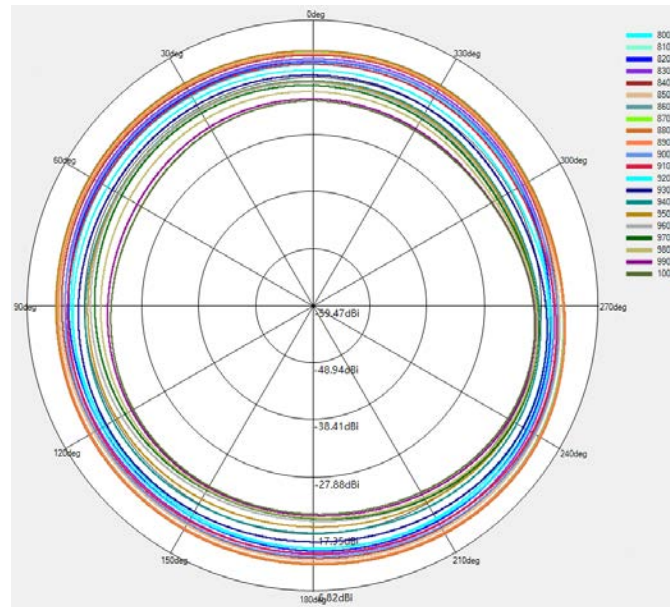


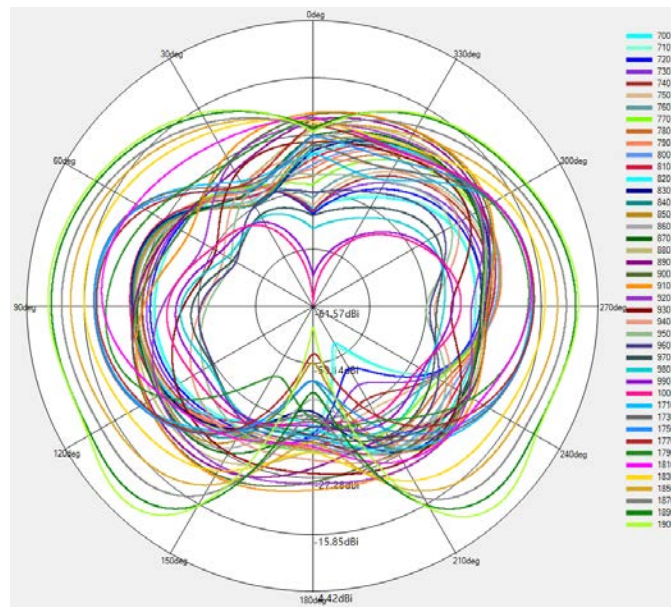
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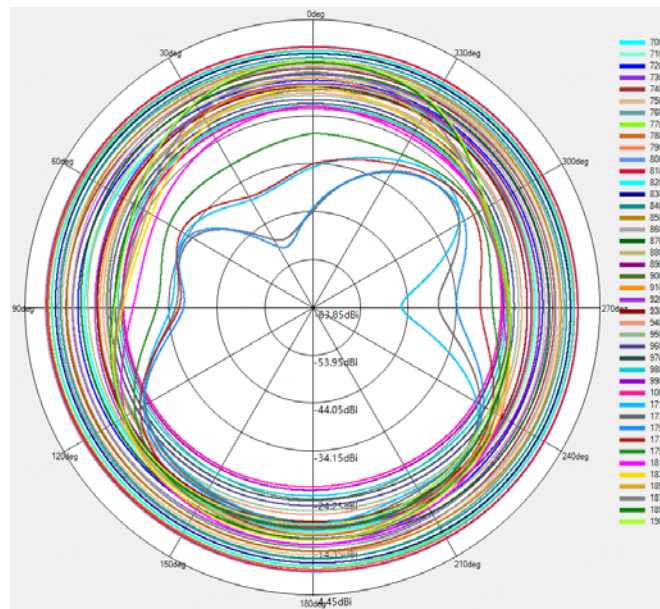
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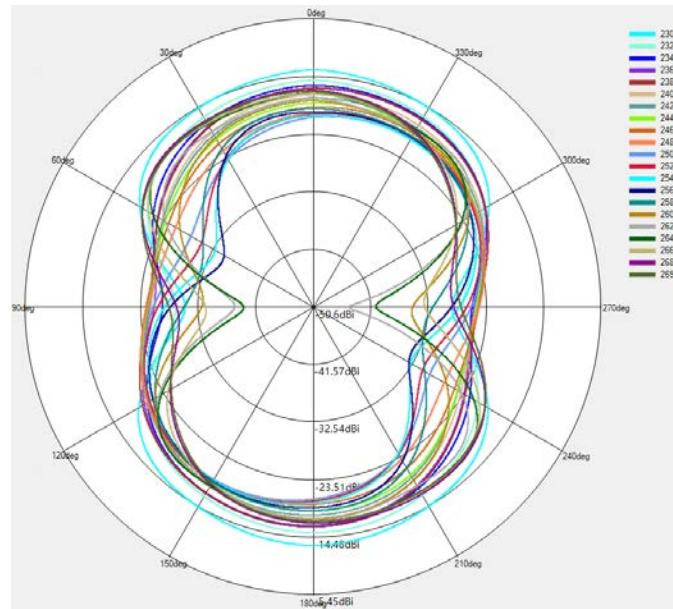




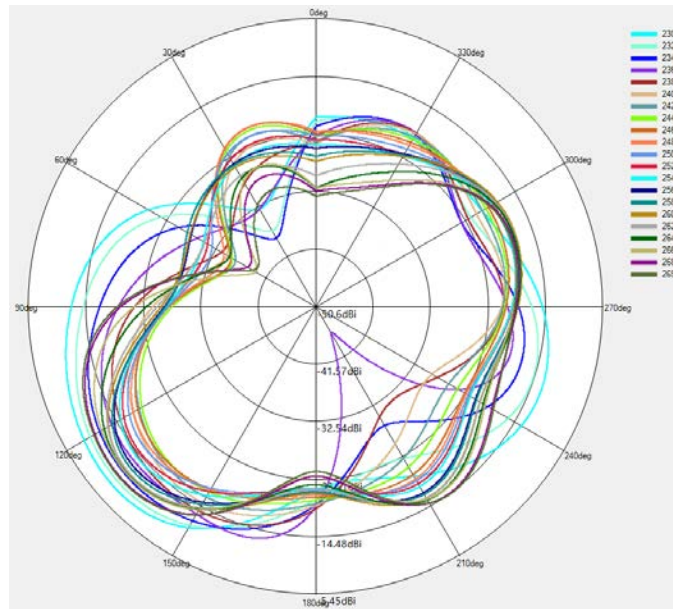
1800/ LTE B3/B20/B28 NR n3/n20/n28 Phi=90deg



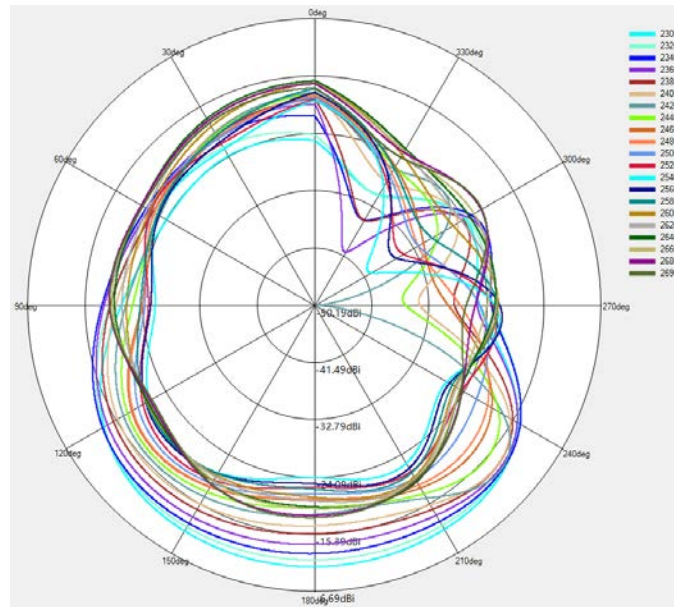
1800/ LTE B3/B20/B28 NR n3/n20/n28 Theta=90deg



LTE B7/B40/B41 NR n7/n40/n41 $\Phi=0^\circ$



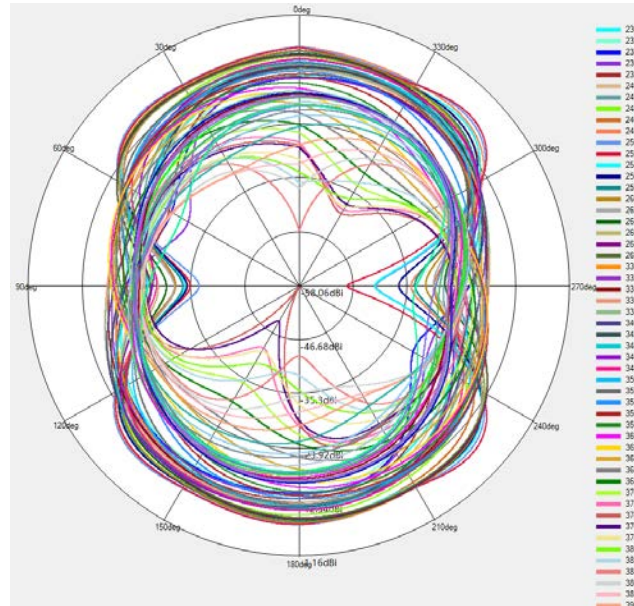
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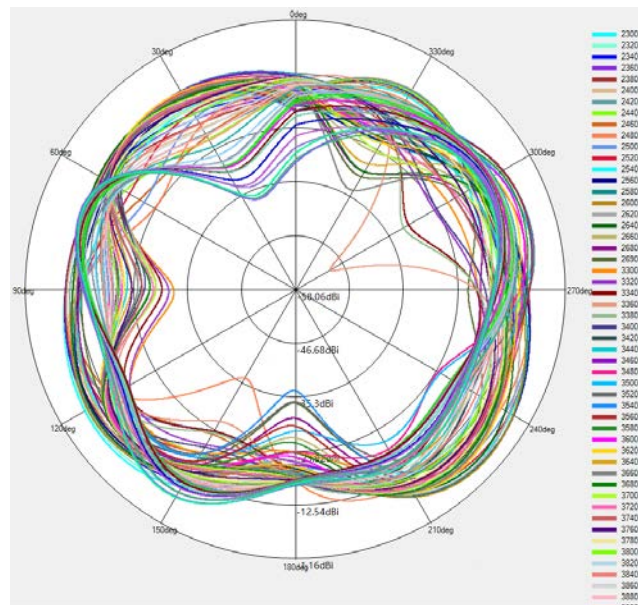
LTE B7/B40/B41 NR n7/n40/n41 Theta=90deg

※ Antenna Gain

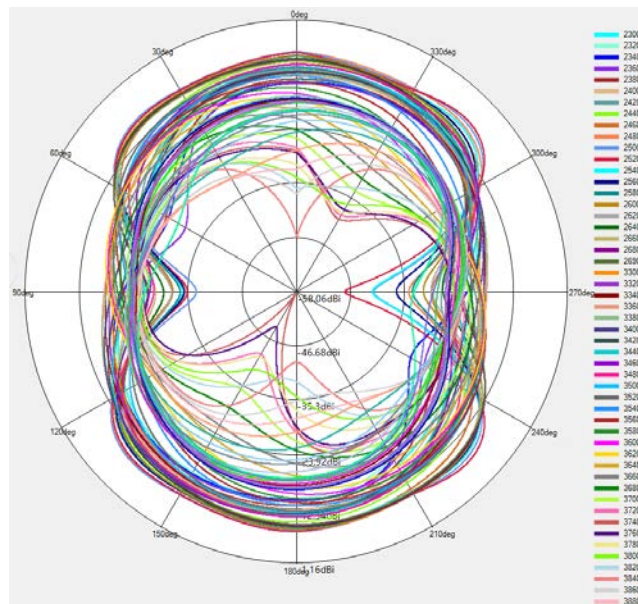
ANT4



LTE B7/B38/B40/B41/B42 NR n7/n38/n40/n41/n77/n78 Phi=0deg



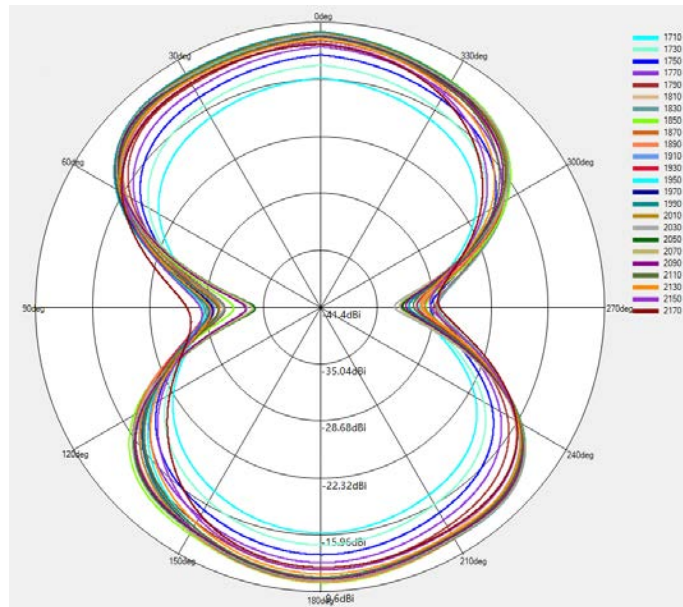
LTE B7/B38/B40/B41/B42 NR n7/n38/n40/n41/n77/n78 Phi=90deg



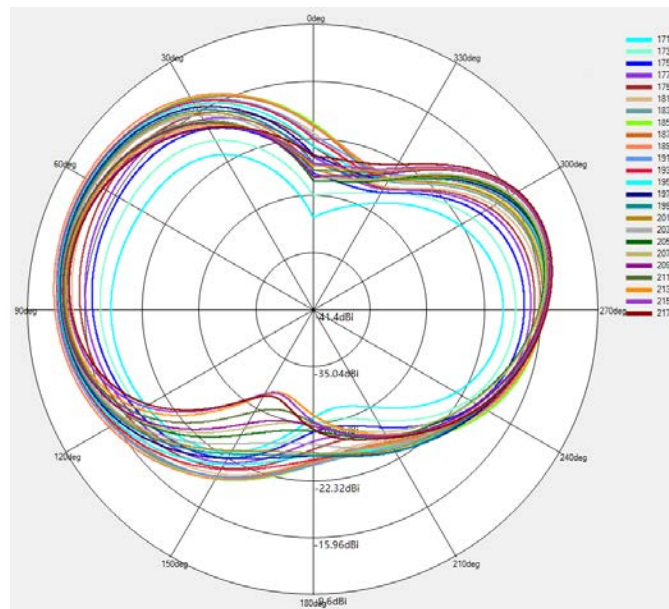
LTE B7/B38/B40/B41/B42 NR n7/n38/n40/n41/n77/n78 Theta=90deg

※ Antenna Gain

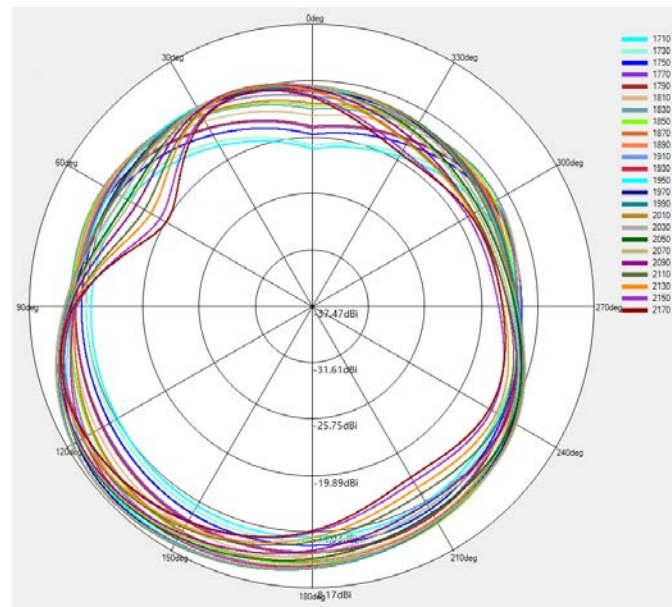
ANT5



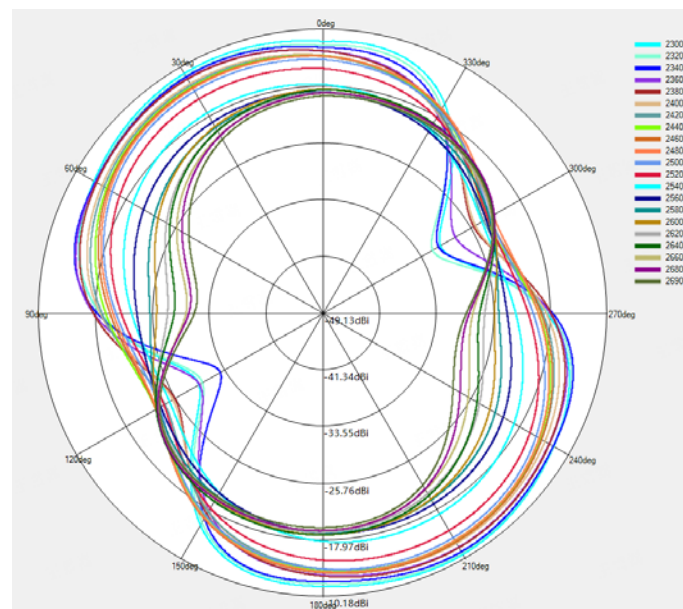
LTE B1/B2/B3 $\Phi = 0^\circ$



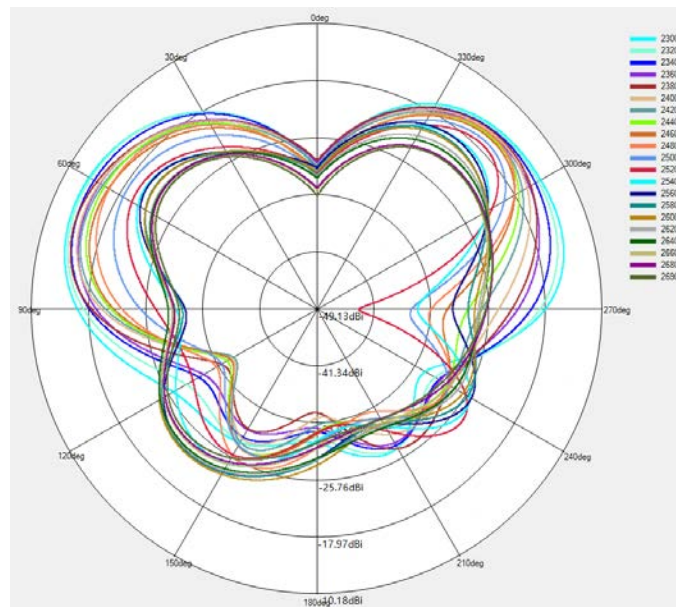
LTE B1/B2/B3 $\Phi = 90^\circ$



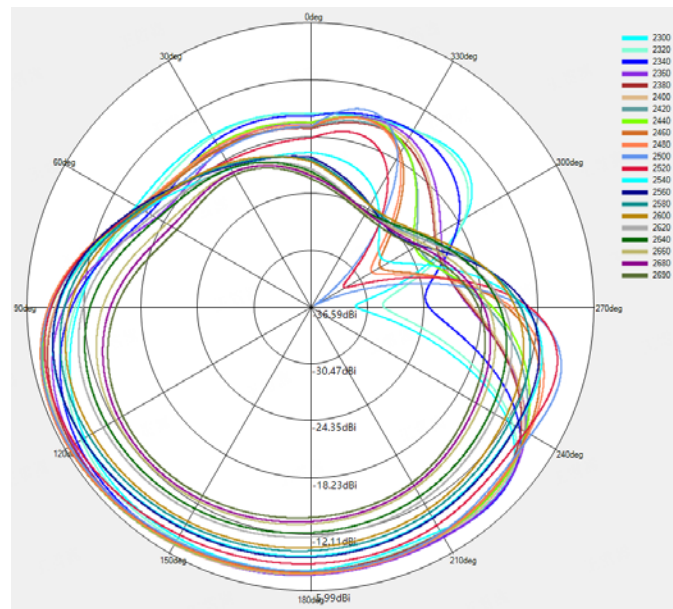
LTE B1/B2/B3 Theta=90deg



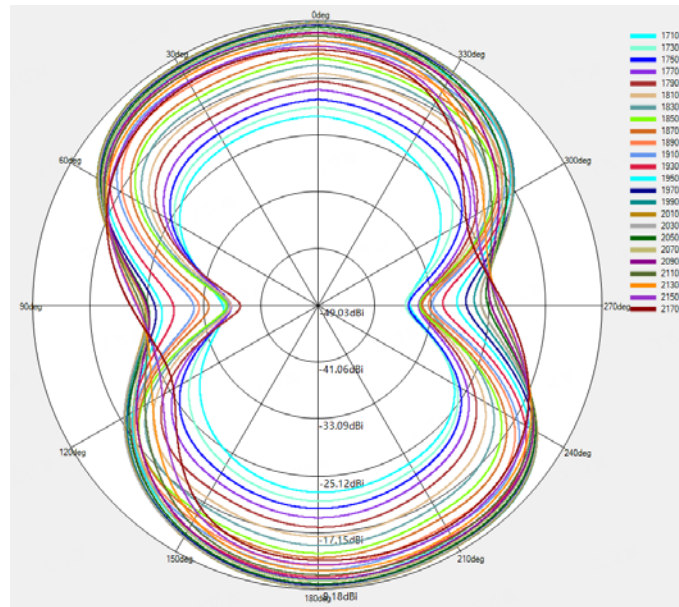
LTE B7/B38/B40/B41 Phi=0deg



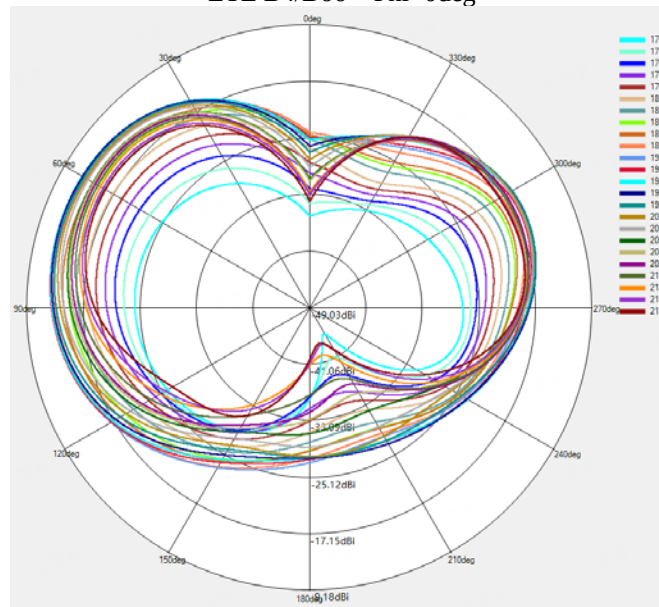
LTE B7/B38/B40/B41 $\Phi=90^\circ$



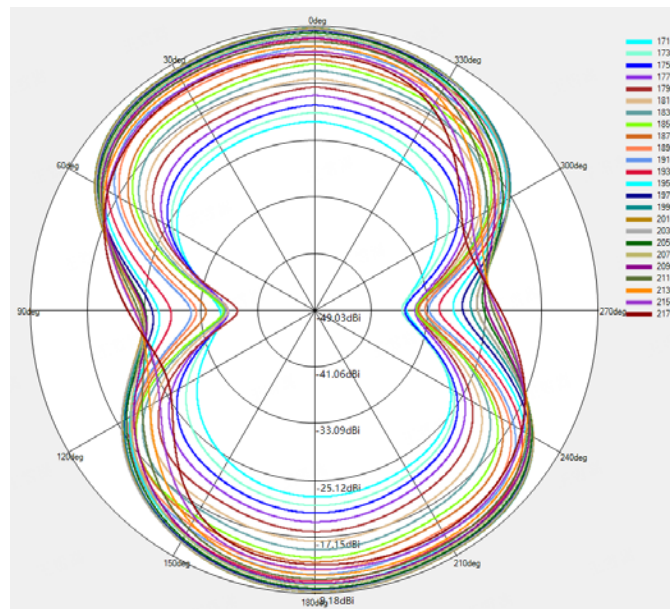
LTE B7/B38/B40/B41 $\Theta=90^\circ$



LTE B4/B66 $\Phi=0^\circ$



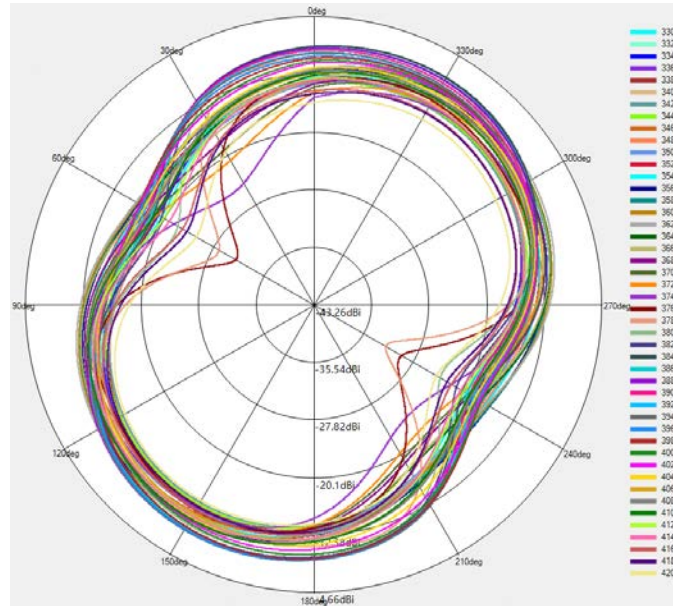
LTE B4/B66 $\Phi=90^\circ$



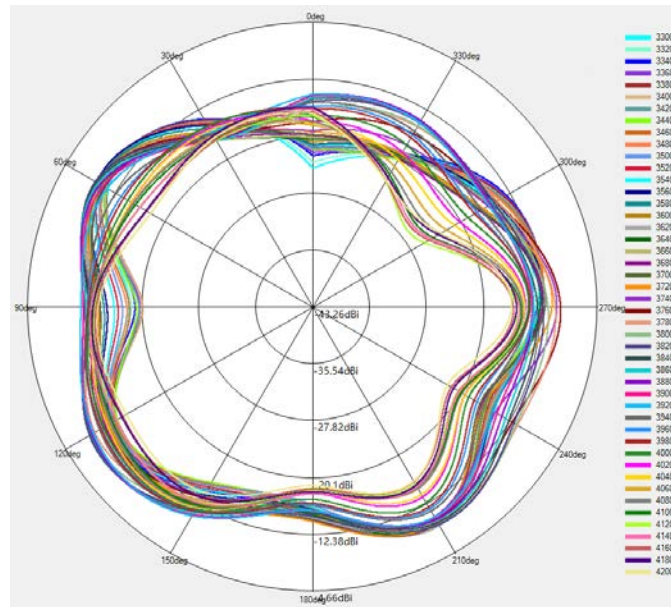
LTE B4/B66 $\Theta=90^\circ$

※ Antenna Gain

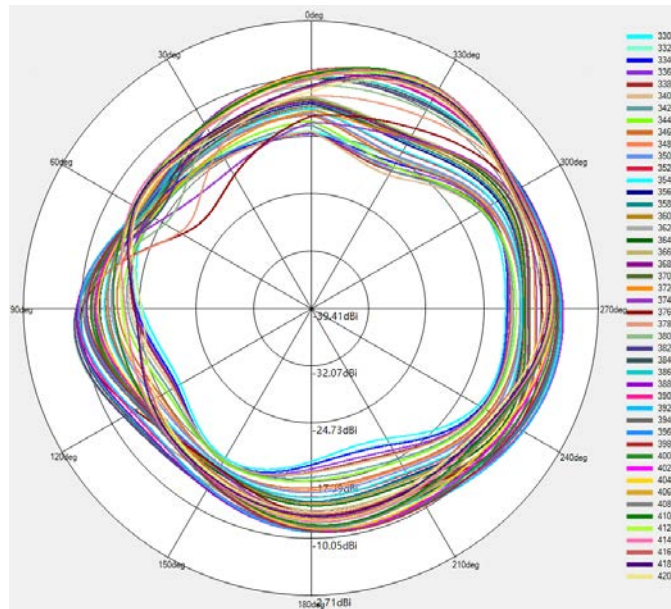
ANT6



LTE B42 NR n77/n78 $\Phi=0^\circ$



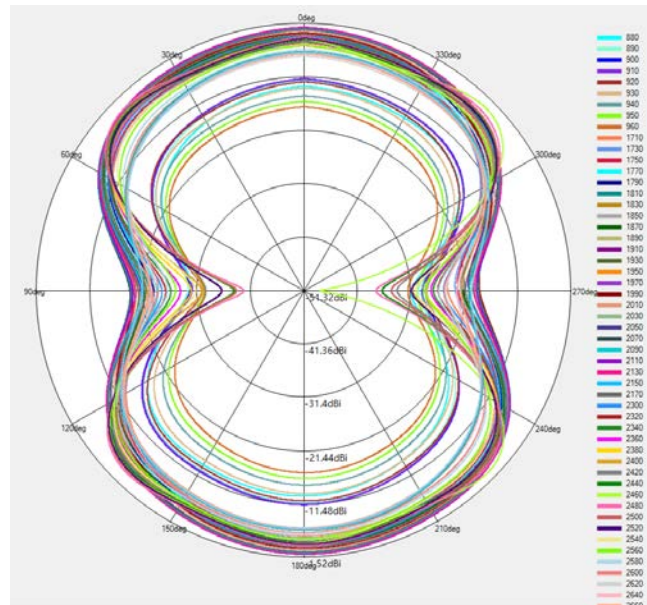
LTE B42 NR n77/n78 $\Phi=90^\circ$



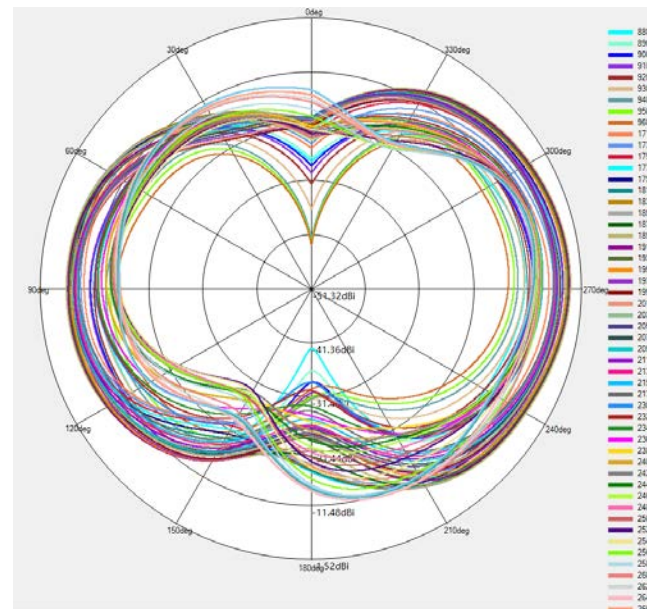
LTE B42 NR n77/n78 $\Theta=90^\circ$

※ Antenna Gain

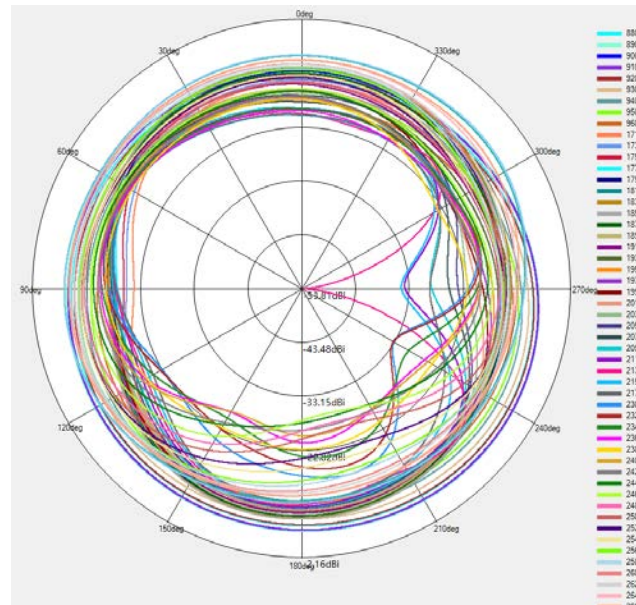
ANT7



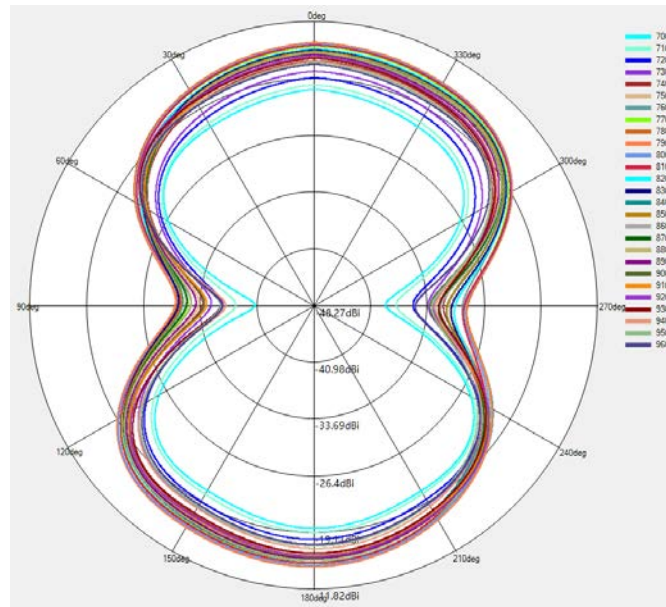
850/WCDMA B8/ LTE B8/38/41 NR n8/n38/n41 Phi=0deg



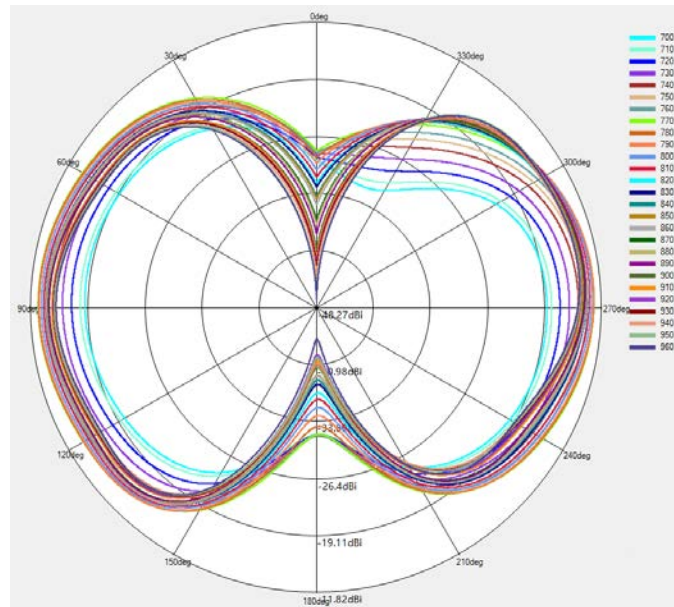
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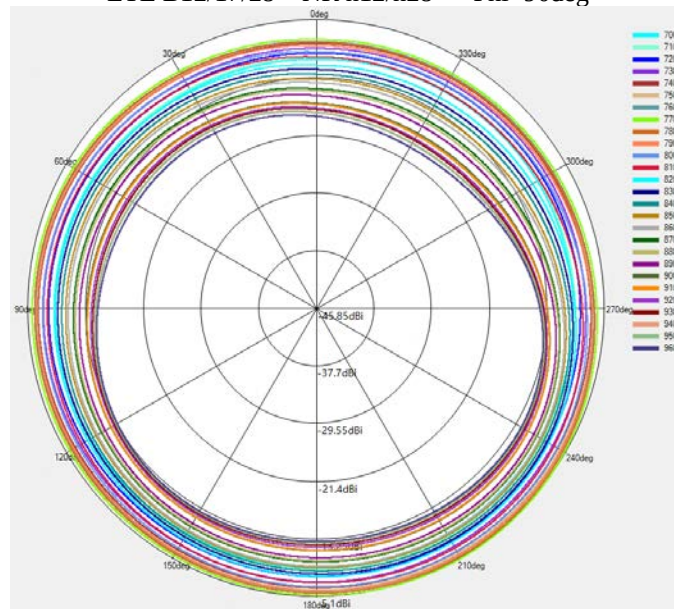
850/WCDMA B8/ LTE B8/38/41 NR n8/n38/n41 Theta=90deg



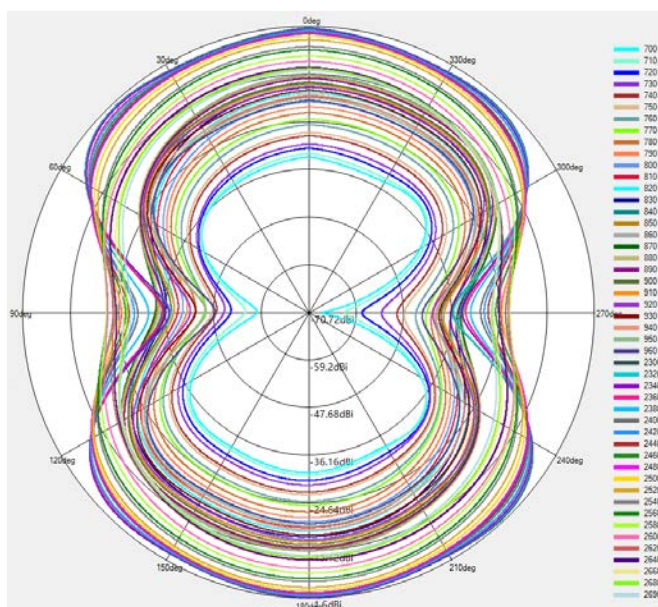
LTE B12/17/28 NR n12/n28 Phi=0deg



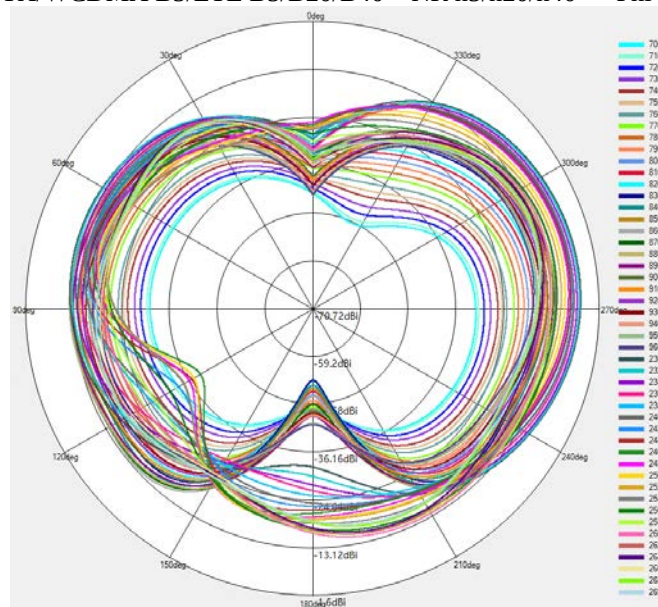
LTE B12/17/28 NR n12/n28 $\Phi=90^\circ$



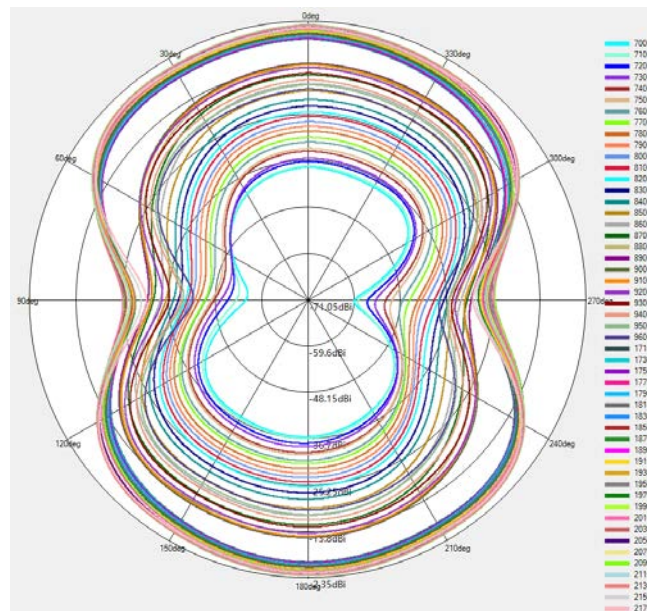
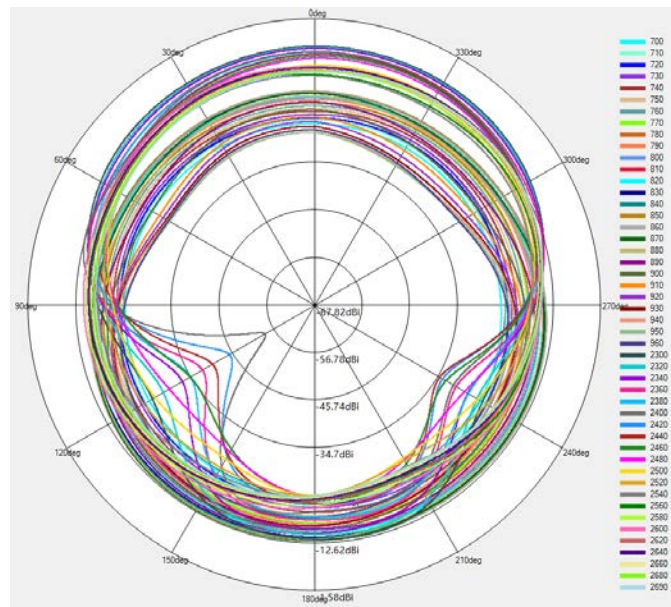
LTE B12/17/28 NR n12/n28 $\Theta=90^\circ$

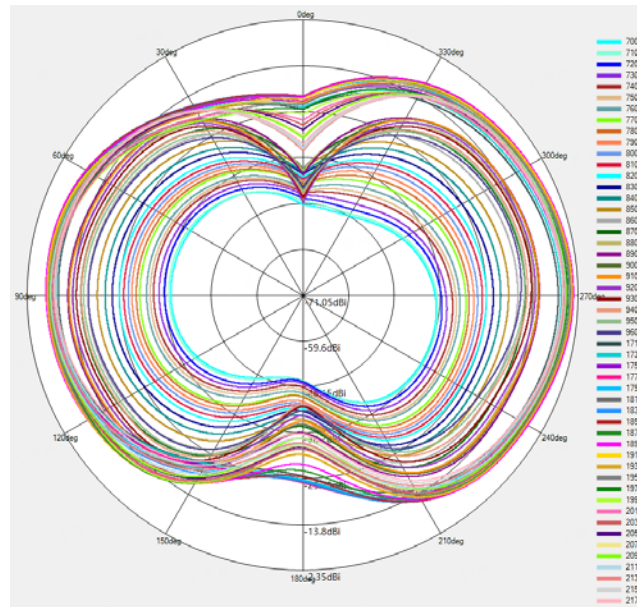


850TX/WCDMA B5/LTE B5/B20/B40 NR n5/n20/n40 Phi=0deg

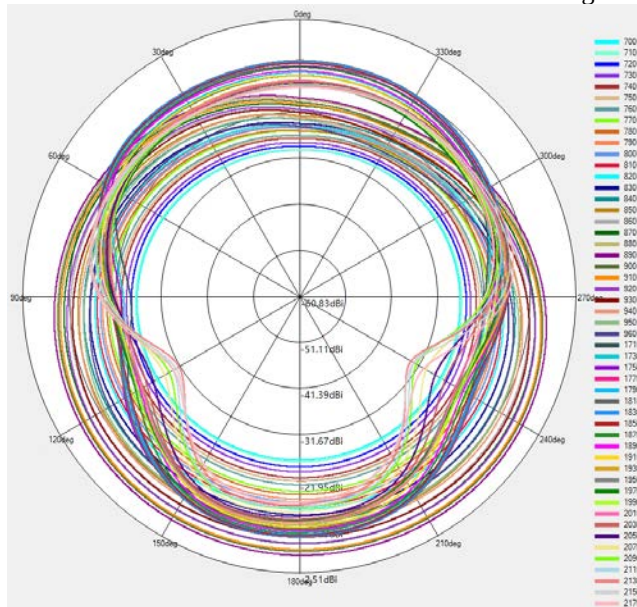


850TX/WCDMA B5/LTE B5/B20/B40 NR n5/n20/n40 Phi=90deg

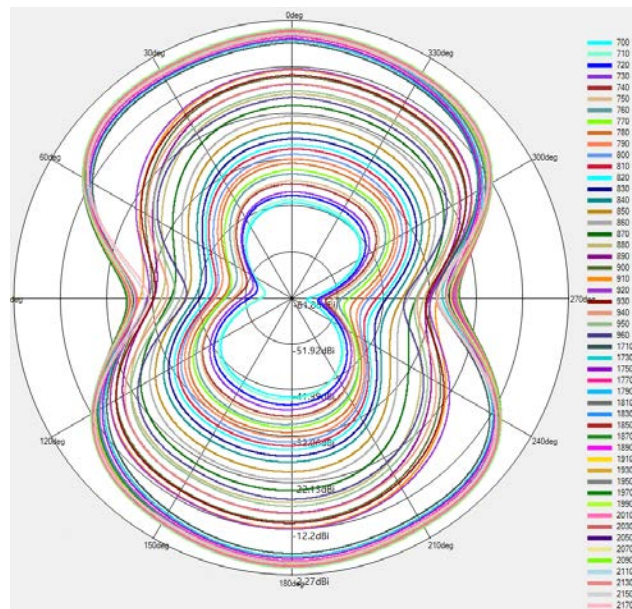




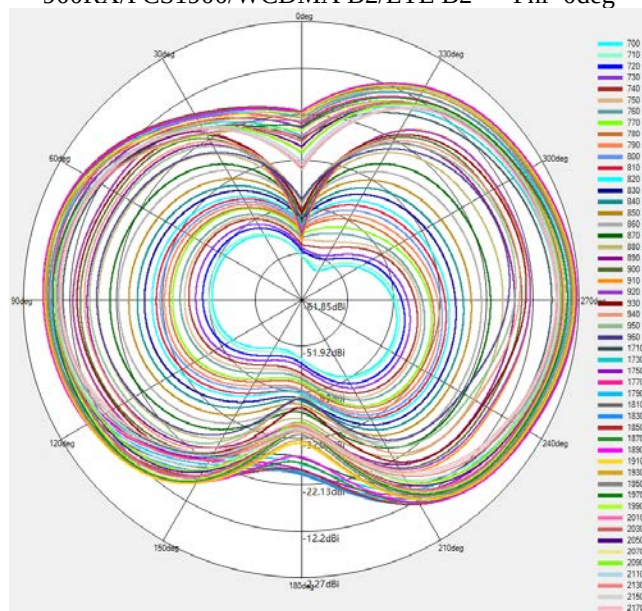
900TX/DCS1800/LTE B3 NR n3 Phi=90deg



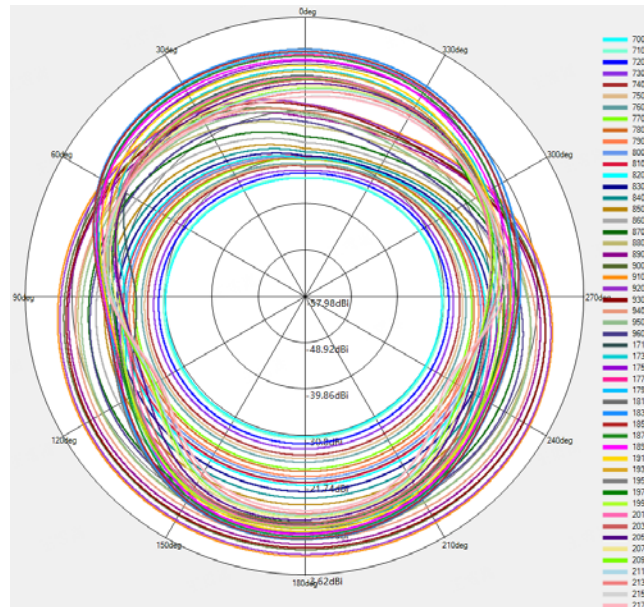
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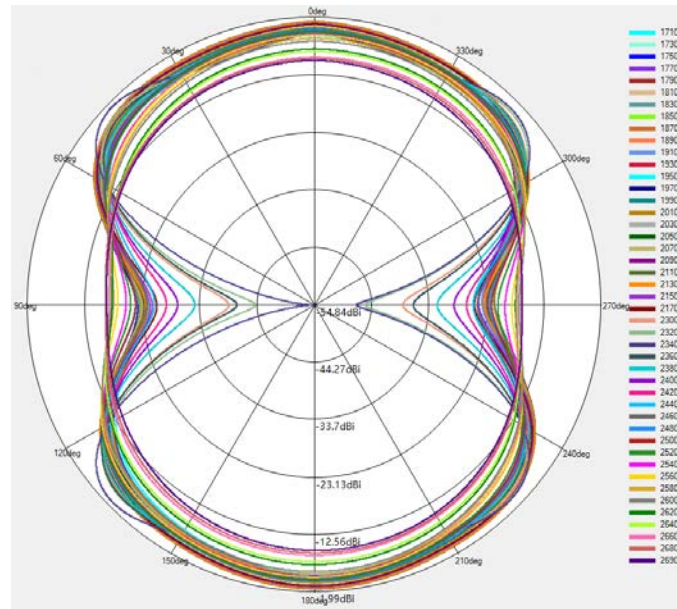
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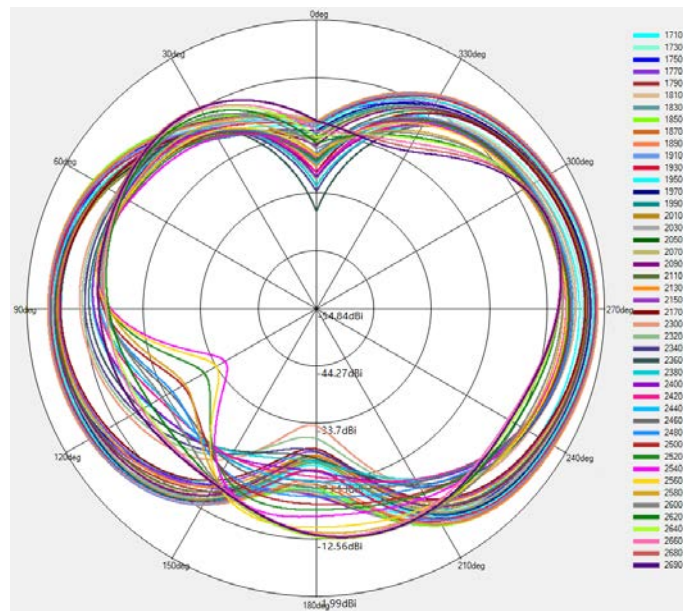
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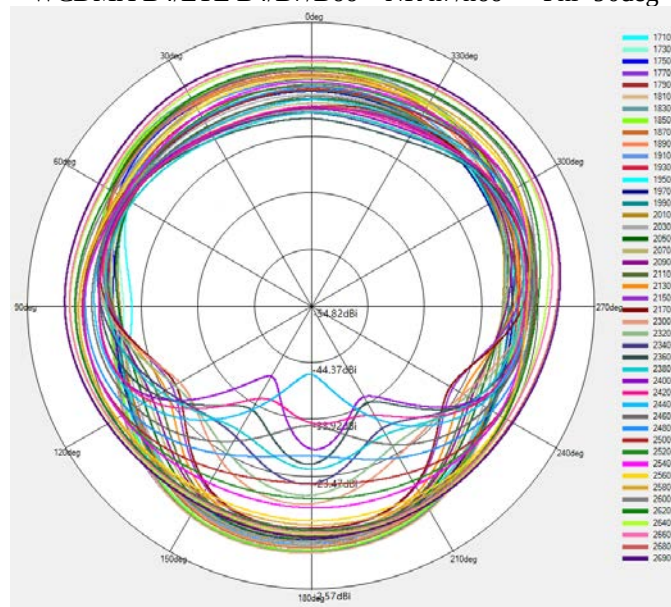
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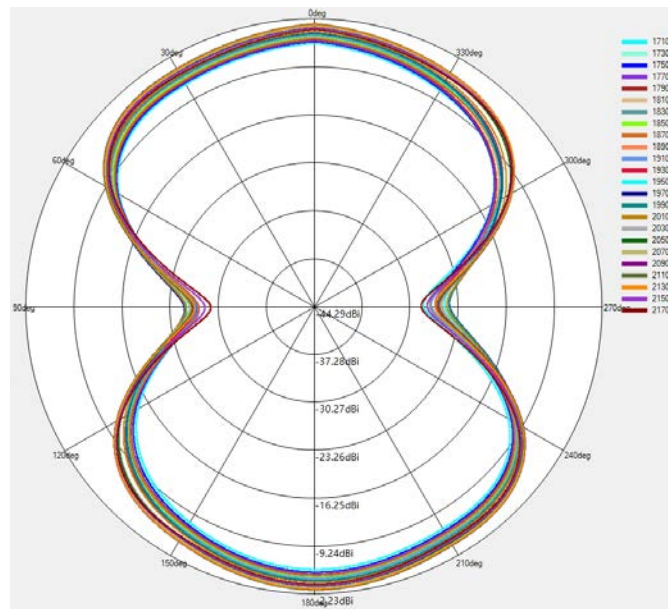
WCDMA B4/LTE B4/B7/B66 NR n7/n66 Phi=0deg



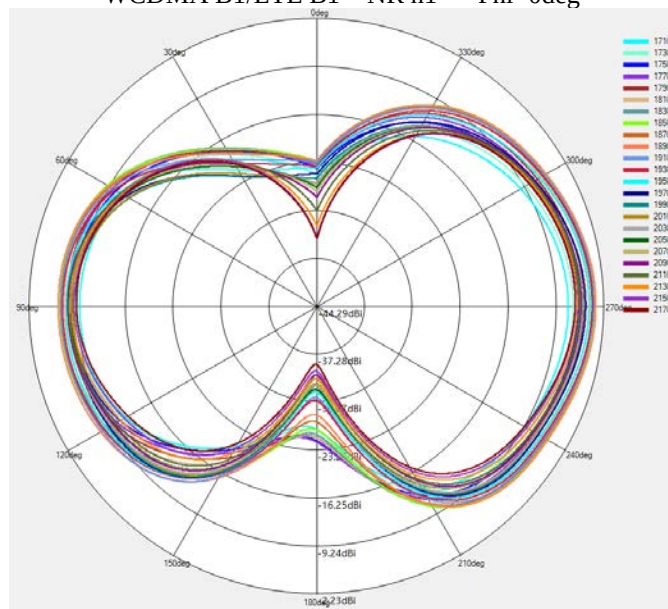
WCDMA B4/LTE B4/B7/B66 NR n7/n66 Phi=90deg



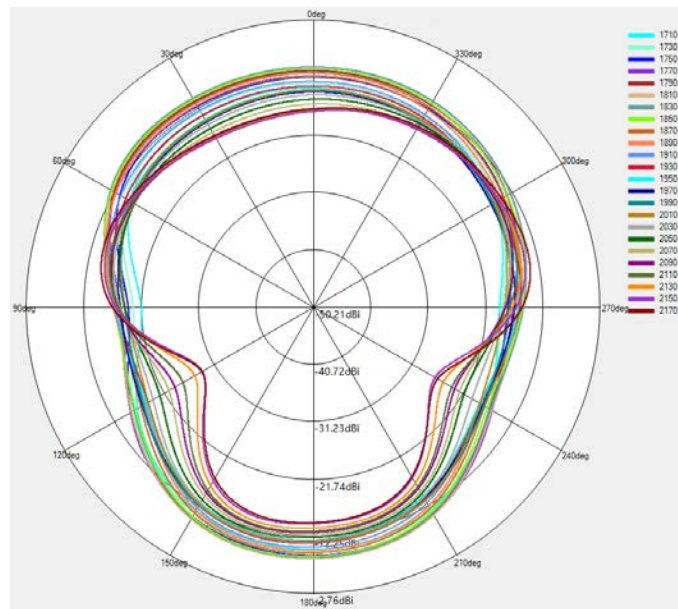
WCDMA B4/LTE B4/B7/B66 NR n7/n66 Theta=90deg



WCDMA B1/LTE B1 NR n1 Phi=0deg

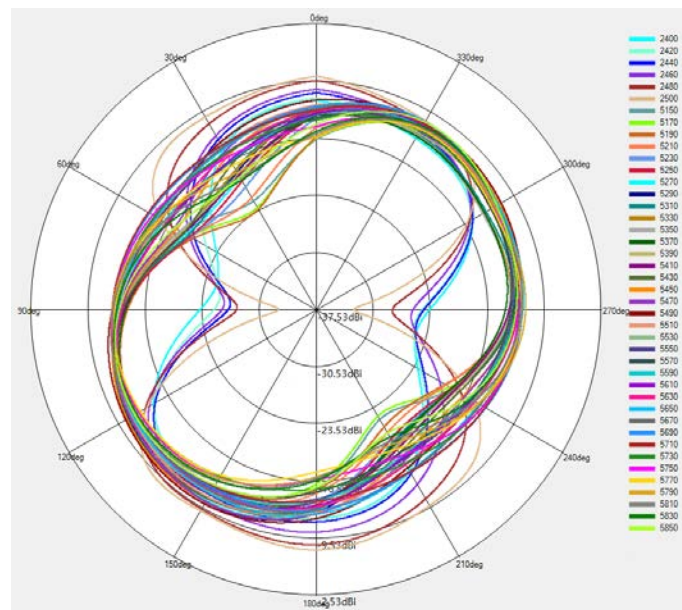


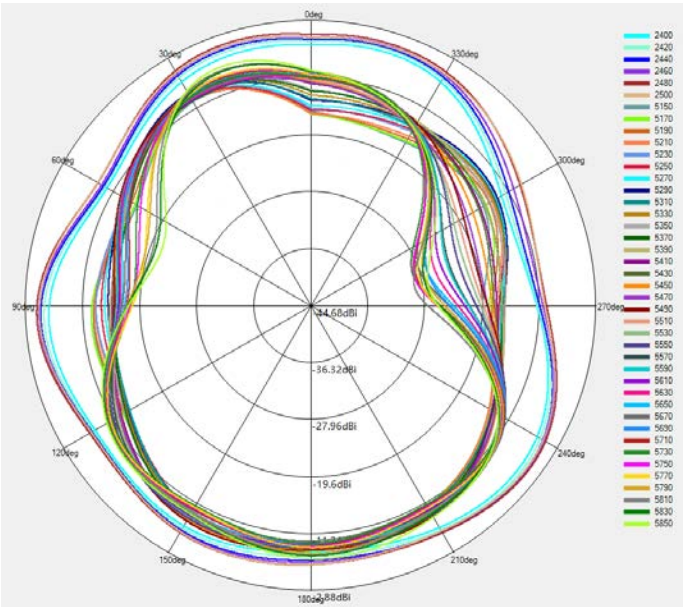
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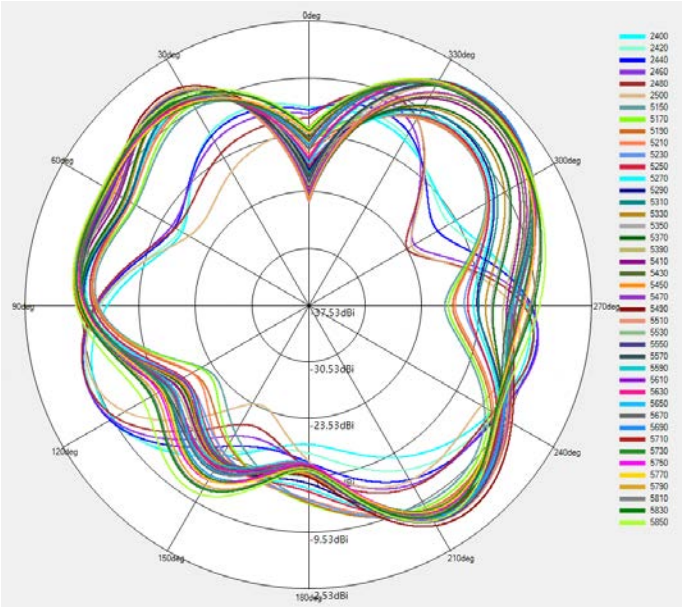
※ Antenna Gain

ANT12





WIFI-2.4G & 5G Phi=90deg



WIFI-2.4G & 5G Theta=90deg

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
			DATE:	2024/06/02