

Feature

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

Application

- ※ GSM 850/900/DCS/PCS
 - ※ WCDMA B1/B2/B4/B5/B8
 - ※ LTE B1/B2/B3/B4/B5/B7/B8/B20/B28/B66/B38/B40/B41
 - ※ NR N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N77/N78 /N79
 - ※ Bluetooth
 - ※ WIFI 802.11b/g/n
 - ※ GPS L1/L5
- communication applications

项目	Name and address of the antenna manufacturer	Model number of the antenna
X6826C	name:深圳市睿德通信科技有限公司 Etheta Communication Technology(Shenzhen)CO.,Ltd address:深圳市南山区沙河西路 3011 号白沙科技产业园 1 栋 3 楼 B 区和 D 区 Area B and D, 3rd Floor, Building 1, Baisha Science and Technology Industrial Park, No. 3011 Shahe West Road, Nanshan District, Shenzhen	AD8-A-LDS-V5.0 AD9-A-LDS-V5.0

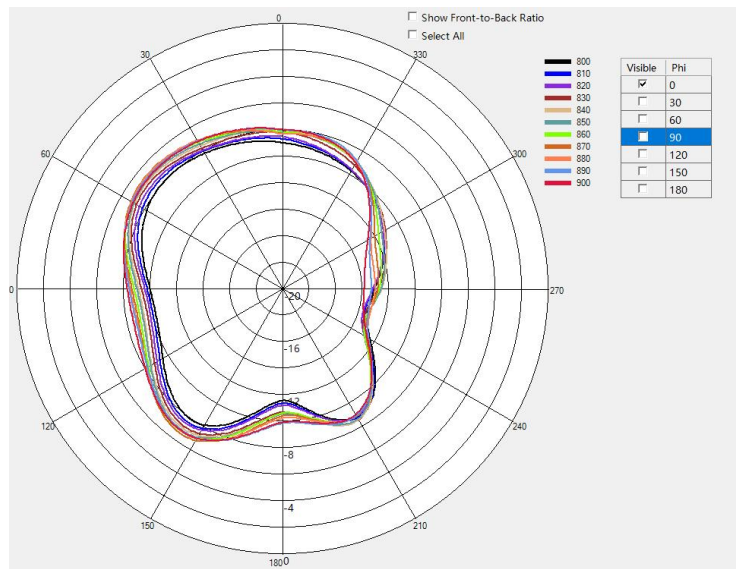
TYPE	Band & Frequency	
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5:824-849MHz	
	GSM 900/WCDMA B8/LTE B8:880-915MHz	
	DCS/LTE B3:1710-1785MHz	
	LTE B2/WCDMA B2/PCS:1850- 1910MHz	
	WCDMA B1/LTE B1:1920- 1980MHz	
	LTE B4/B66 WCDMA B4:1710- 1755MHz	
	LTE B7:2496-2565MHz	
	LTE B20:832-862MHz	
	LTE B28:710-755MHz	
	LTE B38:2570-2620MHz	
	LTE B40:2300-2400MHz	
	LTE B41:2565-2645MHz	
	NR N1:1920-1980MHz	
	NR N3:1710-1785MHz	
	NR N5:824-849MHz	
	NR N7:2500-2570 MHz	
	NR N8:880-915 MHz	
	NR N20:832-862MHz	
	NR N28:703-748MHz	
	NR N38:2570-2620MHz	
	NR N40:2300-2400 MHz	
	NR N41:2535-2655 MHz	
	NR N77:3300-4200MHz	
	NR N78:3300-3800MHz	

	NR N79:4400-5000MHz	
Receiver Frequency	GSM 850/WCDMA B5/LTE B5:869-894 MHz	
	GSM 900/WCDMA B8/LTE B8:925-960 MHz	
	DCS/LTE B3:1805-1880 MHz	
	LTE B2/WCDMA B2/PCS:1930- 1990MHz	
	WCDMA B1/LTE B1:2110- 2170MHz	
	LTE B4/66/WCDMA B4:2110- 2180MHZ	
	LTE B7:2620-2690MHz	
	LTE B20:791-821MHz	
	LTE B28:758-803MHz	
	LTE B38:2570-2620MHz	
	LTE B40:2300-2400MHz	
	LTE B41:2535-2655MHz	
	NR N1:2110-2170MHz	
	NR N3:1805-1880MHz	
	NR N5:869-894MHz	
	NR N7:2620-2690 MHz	
	NR N8:925-960 MHz	
	NR N20:791-821MHz	
	NR N28:758-803MHz	
	NR N38:2570-2620MHz	
	NR N40:2300-2400 MHz	
	NR N41:2535-2655 MHz	
	NR N77:3300-4200MHz	
	NR N78:3300-3800MHz	
	NR N79:4400-5000MHz	
RF- Output Power (E.I.R.P)	GSM850/900: 33+/-2dBm	
	DCS/PCS: 30+/-2dBm	
	LTE B1/B2/B3/B4/B5 /B7/B8/B20/B28/B66/B38/B40/B41 : 23+/-2.7dBm	
	WCDMA B1/W2/W4/B5/ B8: 24+1/-3dBm	
	NR: 23+/-2.7dBm	
	N41 N77 N78/N79: 26+/-2.7dBm	
GPS L1&WIFI	GPS: 0.65	
	WIFI 2.4G: 1.3	

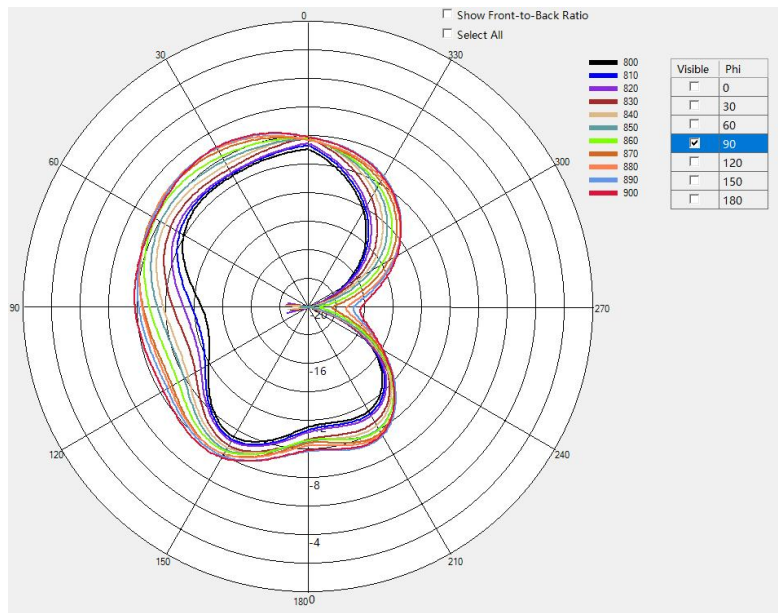
2.4G&5G Antenna Gain (Peak Gain)	WIFI 5G: -0.9	
N40&N41 &N77&N 78&N79 (Peak Gain)	N40: 0.2	
	N41: 0.9	
	N77: 0.3	
	N78: 0.3	
	N79:0.4	
WIFI 2.4G&WI FI 5G (Peak Gain)	WIFI 2.4G: 1.2	
	WIFI 5G: -0.8	
GPS L5 (Peak Gain)	GPS L5: -1.0	
N40&N41 (Peak Gain)	N40: 0.2	
	N41: 0.3	
N77&N78 (Peak Gain)	N77: 0.2	
	N78: 0.2	
	N79:0.3	
N77&N78 (LDS) (Peak Gain)	N77: 0.5	
	N78: 0.5	
	N79:0.6	
Main Antenna Gain (Peak Gain)	GSM 850/WCDMA B5/LTE B5/NR N5: -1.5	
	GSM 900/WCDMA B8/LTE B8/NR N8: -1.3	
	DCS/LTE B3/NR N3: -0.7	
	LTE B2/WCDMA B2PCS: -0.5	
	WCDMA B1/LTE B1/NR N1: -0.5	
	WCDMA B4/LTE B4/B66:-0.5	
	LTE B7/B38/B41/NR N7/N38: -0.4	
	LTE B40: 0.2	
	LTE B20/NR N20:-1.5	
	LTE B28/NR N28:-1.9	
Type of Modulatio n		

※ Antenna Gain

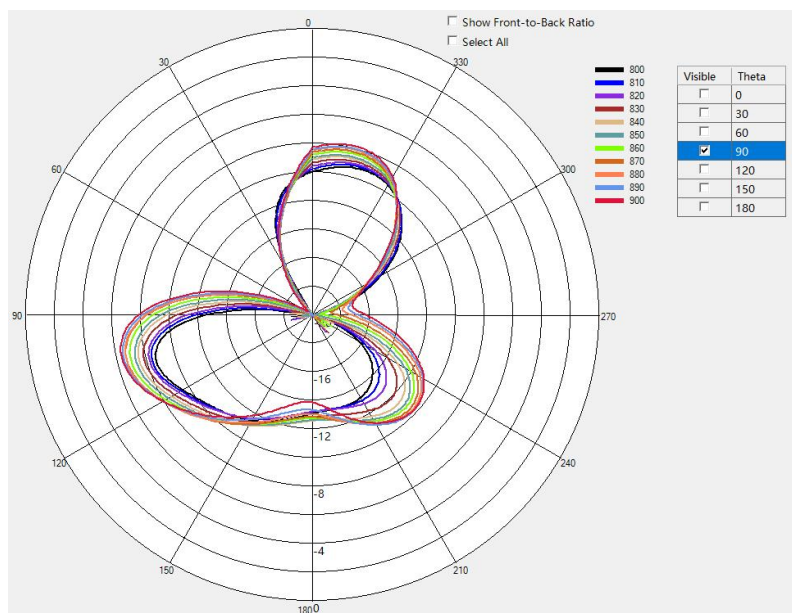
Main Antenna



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



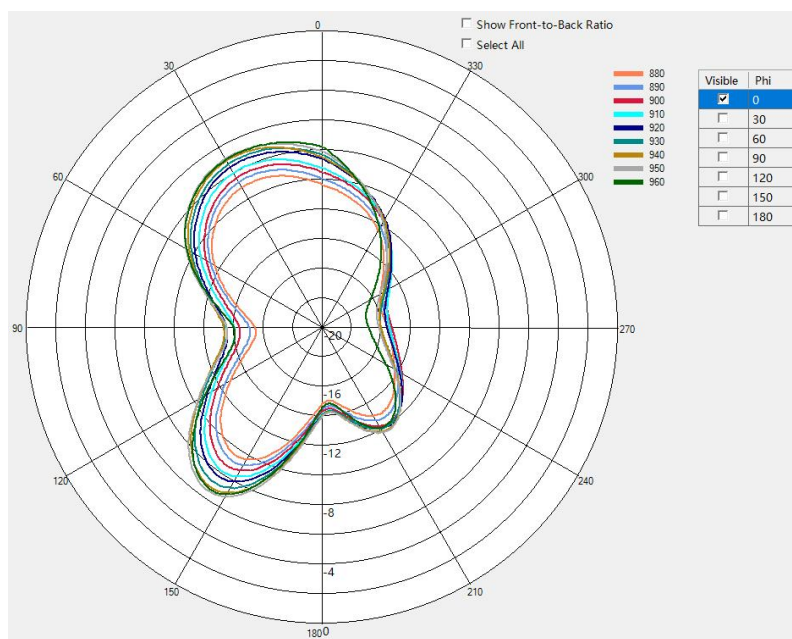
GSM850 / WCDMA B5 / LTE B5/B20 Phi=90deg



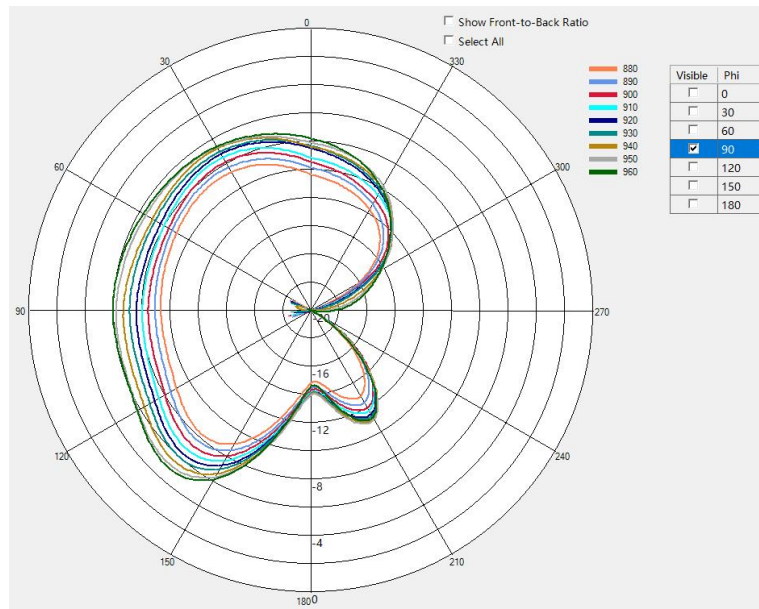
GSM850 / WCDMA B5 / LTE B5/B20 Theta=90deg

※ Antenna Gain

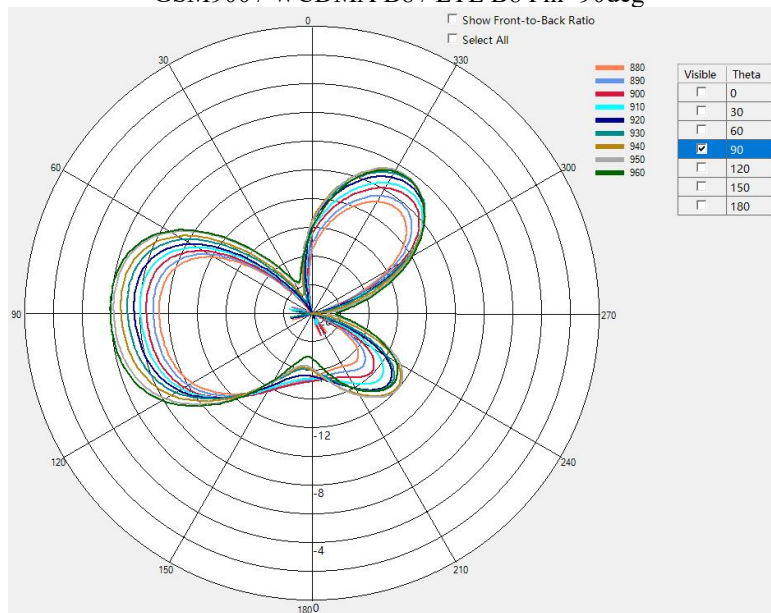
Main Antenna



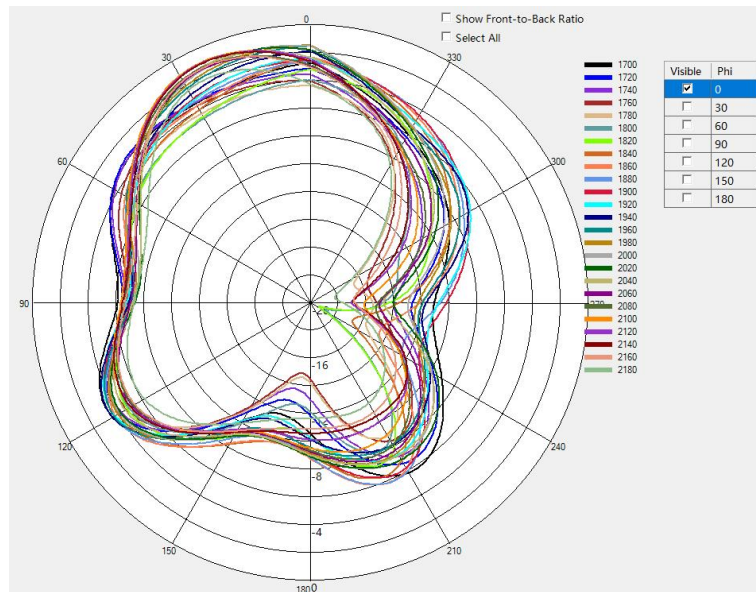
GSM900 / WCDMA B8 / LTE B8 Phi=0deg



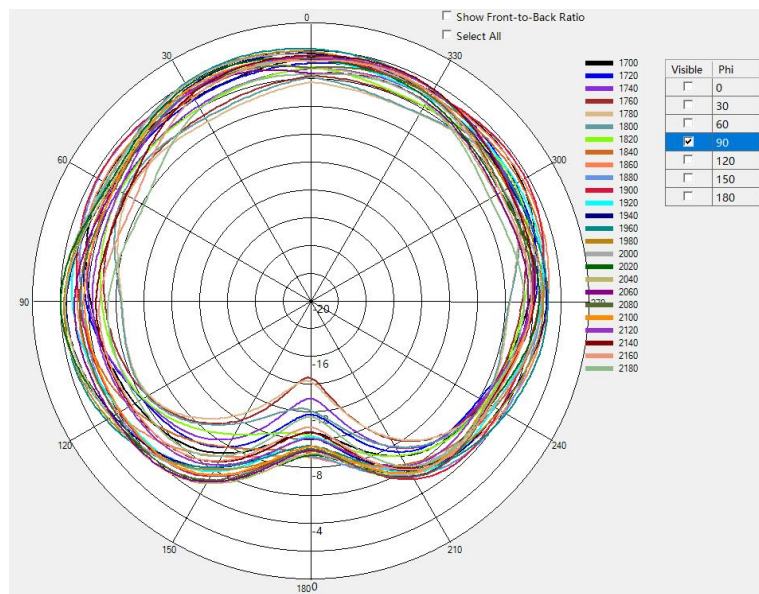
GSM900 / WCDMA B8 / LTE B8 Phi=90deg



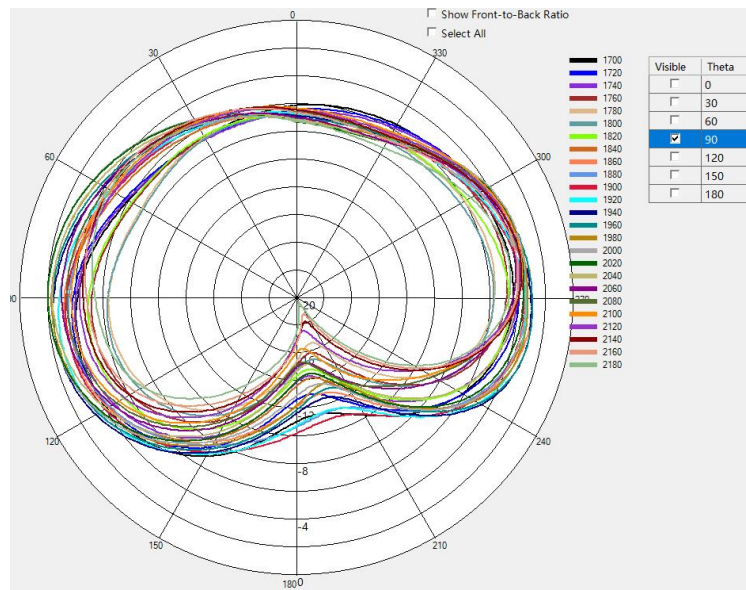
GSM900 / WCDMA B8 / LTE B8 Theta=90deg



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



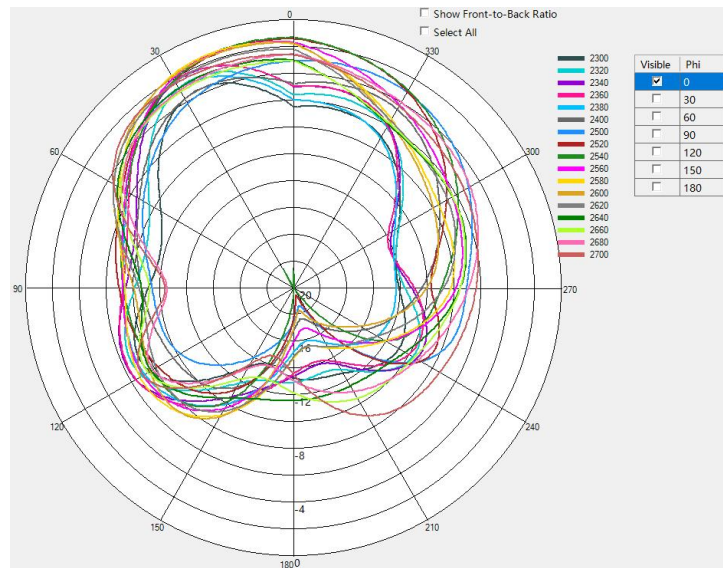
DCS1800/PCS1900/WCDMA B1 LTE B1/B3 Phi=90deg



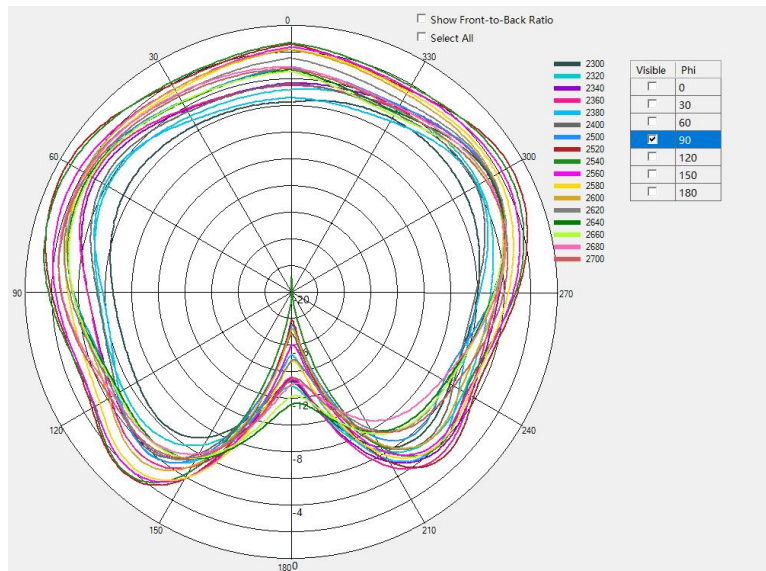
DCS1800/PCS1900/WCDMA B1 LTE B1/B3 Theta=90deg

✂ Antenna Gain

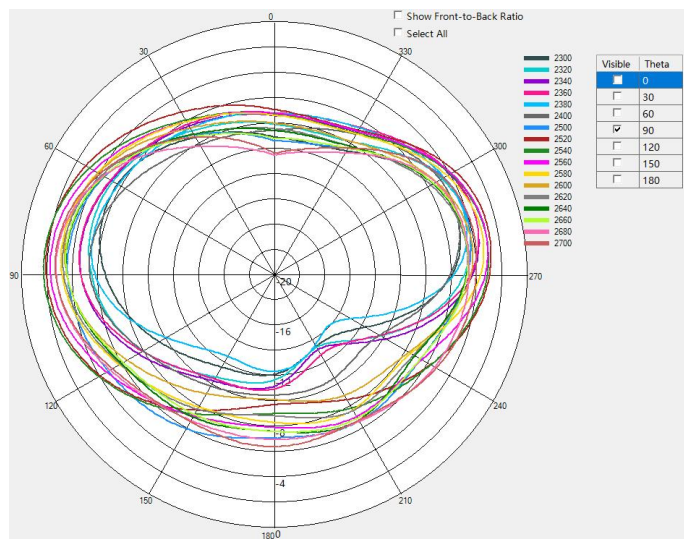
Main Antenna



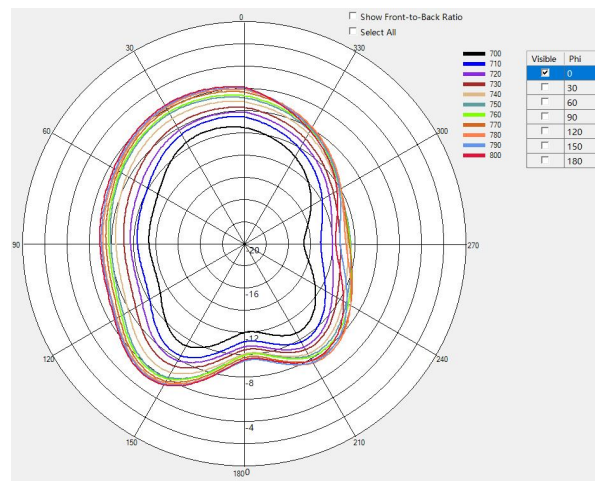
LTE B7/B40/B38/41 Phi=0deg



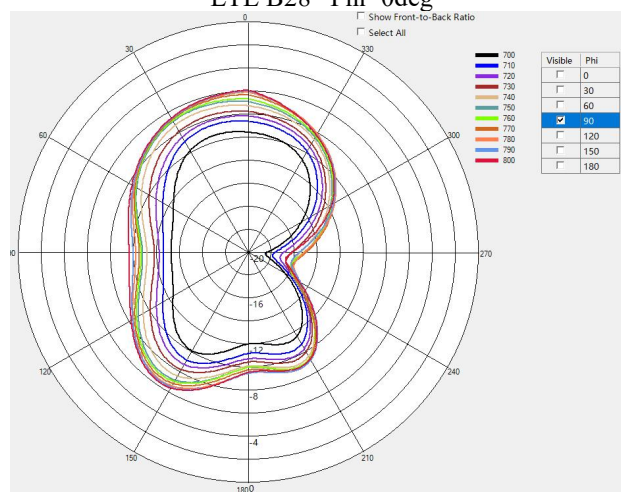
LTE B7/B40/B38/41 Phi=90deg



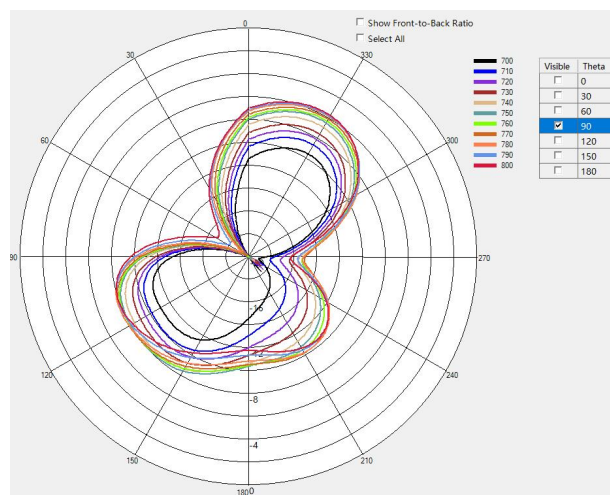
LTE B7/B40/B38/41 Theta=90deg



LTE B28 Phi=0deg



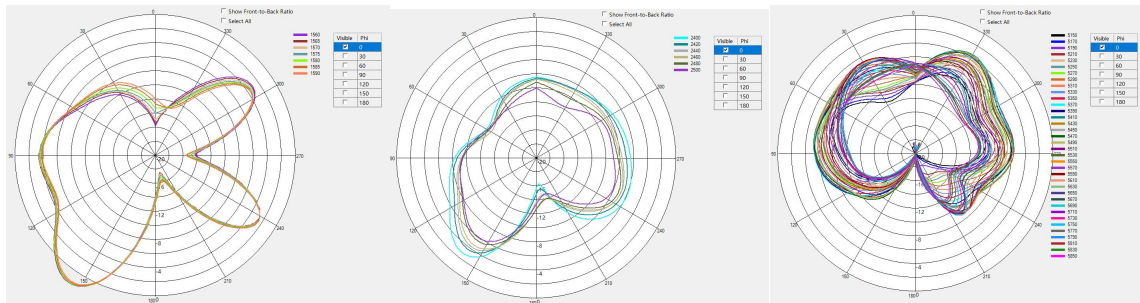
LTE B28 Phi=90deg



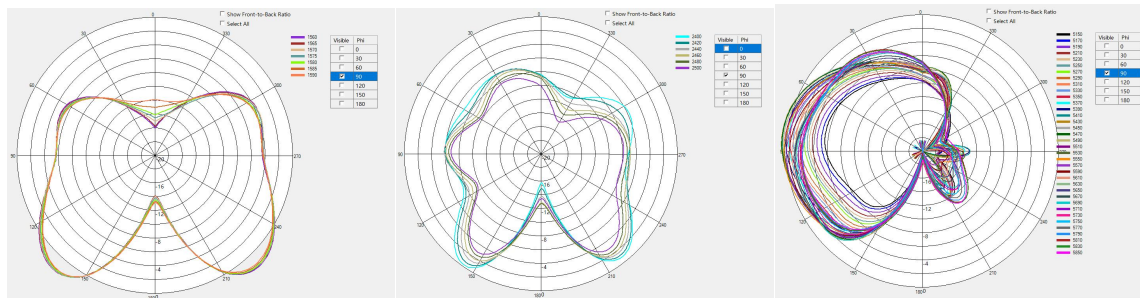
LTE B28 Theta=90deg

※ Antenna Gain

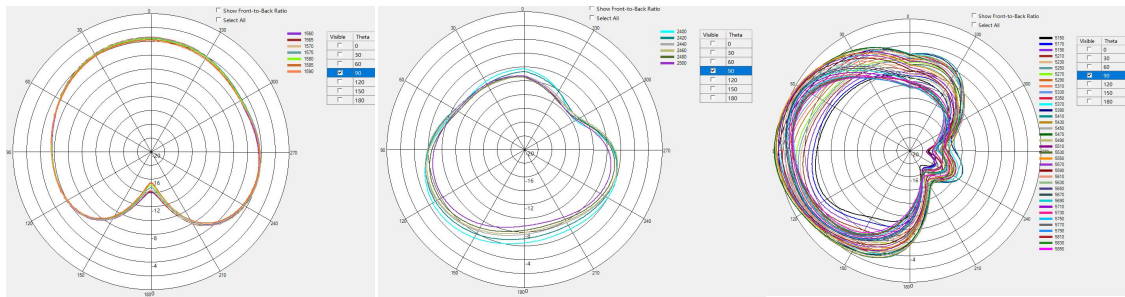
4 in 1 Antenna



GPS/BT/2.4G WIFI/5G WIFI $\Phi=0^\circ$



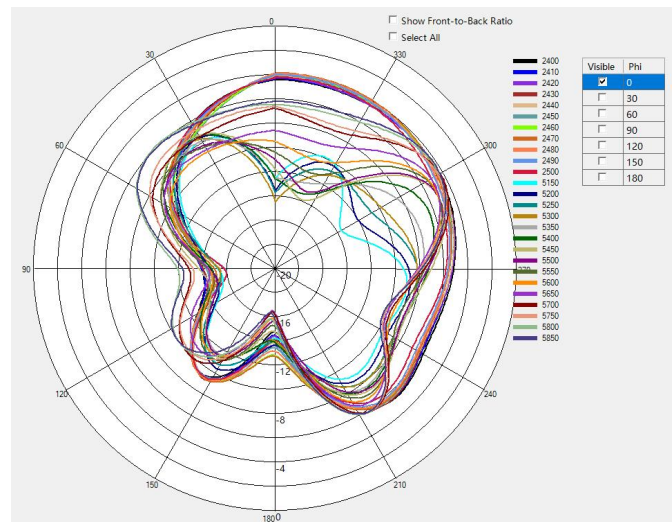
GPS/BT/2.4G WIFI/5G WIFI $\Phi=90^\circ$



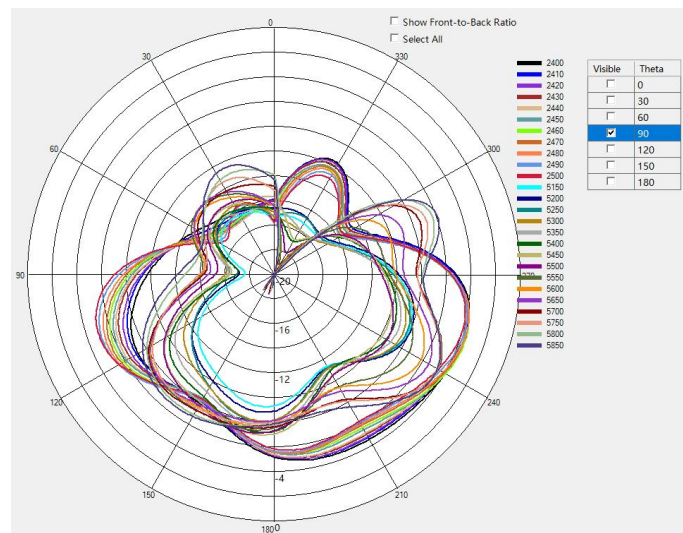
GPS/BT/2.4G WIFI/5G WIFI Theta=90deg

※ Antenna Gain

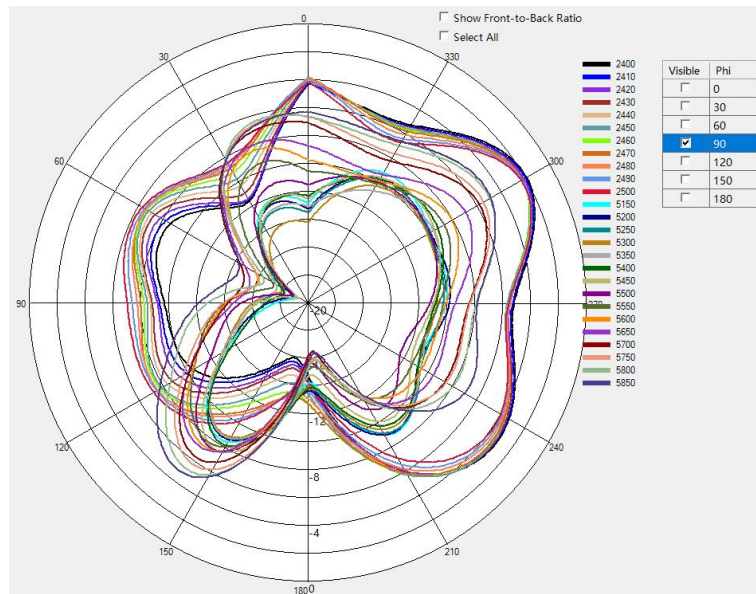
WIFI MIMO Antenna



2.4G WIFI&5G WIFI Phi=0deg

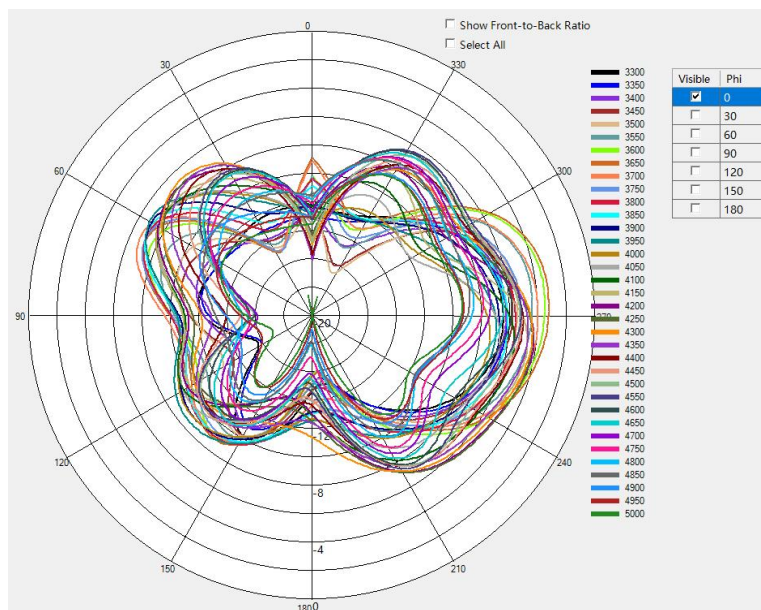


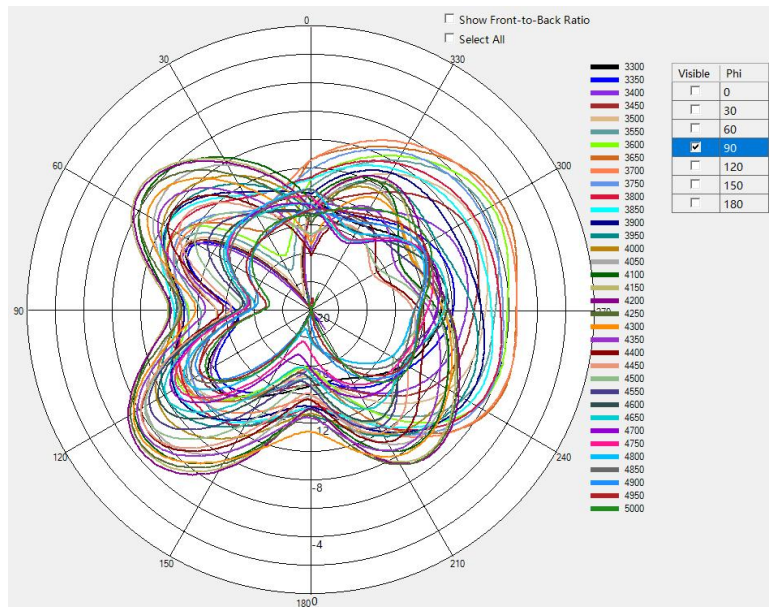
2.4G WIFI&5G WIFI Phi=90deg



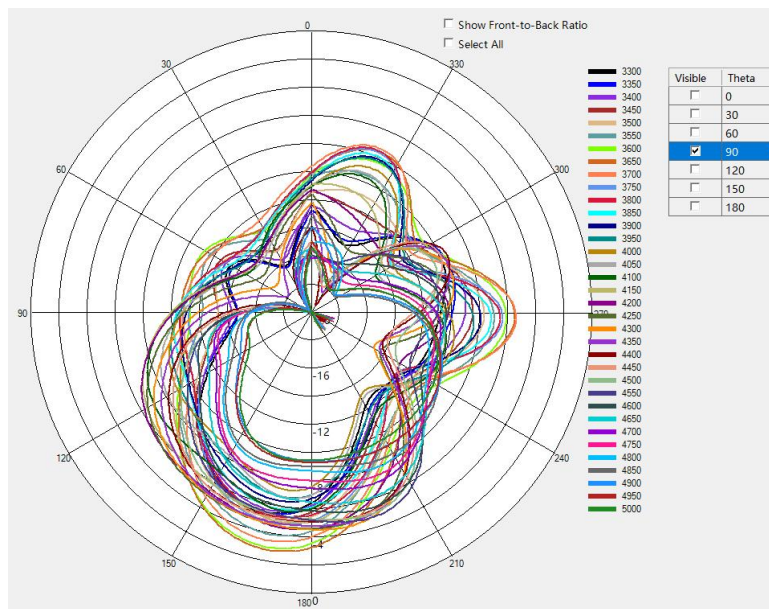
※ Antenna Gain

SUB 6G PRX Antenna





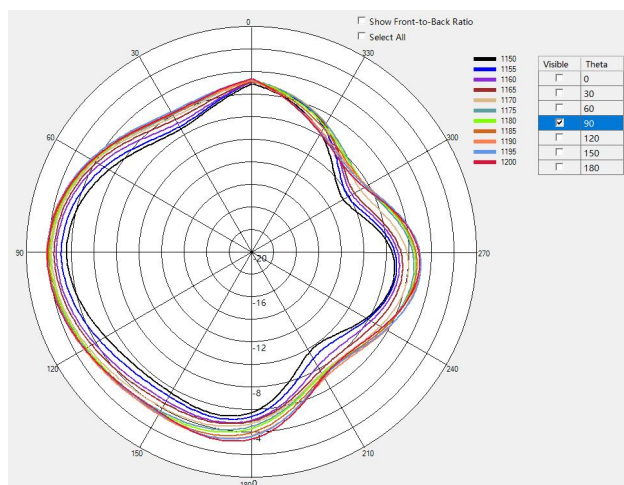
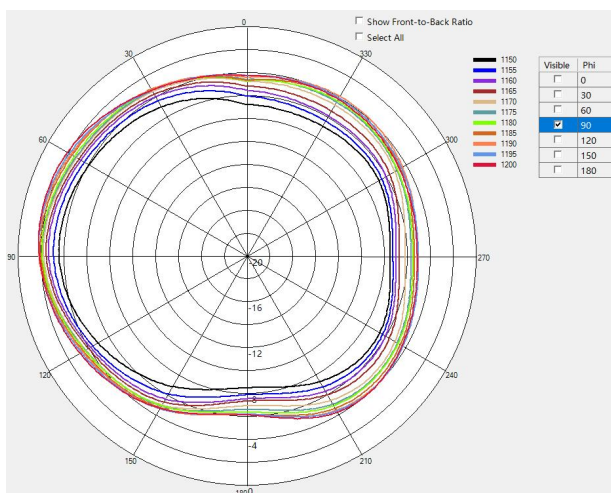
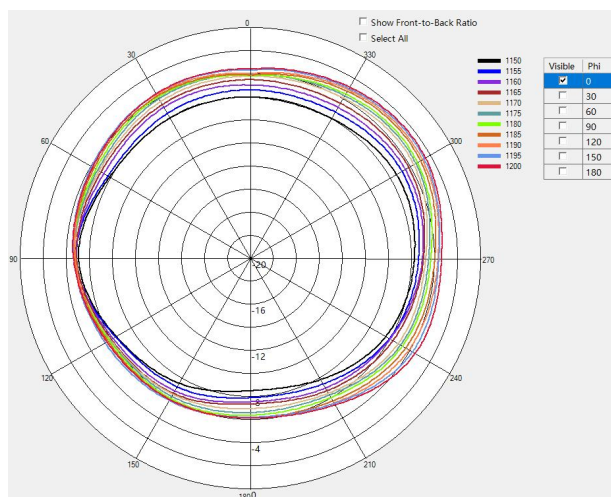
N77/N78/N79 Phi=90deg



N77/N78/N79 Theta=90deg

※ Antenna Gain

GPS L5 Antenna



※ Antenna Gain

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			DATE:	