

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/B28A/B28B/B38/B40/B41/B66

Name and address of the antenna manufacturer	Model number of the antenna
<p style="text-align: center;">Shangyuan technology</p> <p>Address: Floor 1, Building 4, No.99, Lane 215, Gaoguang Road, Qingpu District, Shanghai</p>	<p style="text-align: center;">KL4-ANT0-SY-XX-XX KL4-ANT1&12-SY-XX-XX KL4-ANT13-SY-XX-XX</p>

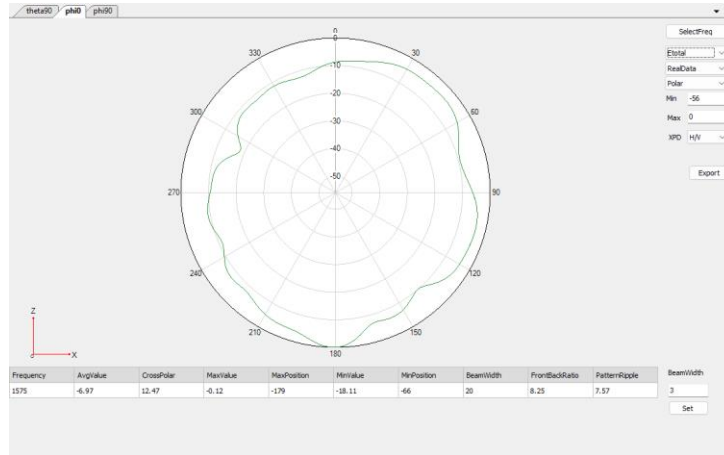
TYPE	
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5 : 824 - 849 MHz
	GSM 900/WCDMA B8/LTE B8 : 880 - 915 MHz
	DCS /WCDMA B4/LTE B3/B4/B66 : 1710 - 1785 MHz
	PCS/WCDMA B2/LTE B2:1850-1910MHz
	WCDMA B1/LTE B1 : 1920 – 1980MHz
	LTE B7 :2496-2565MHz
	LTE B40 :2300-2400MHz
	LTE B38/B41:2565-2645MHz

Receiver Frequency		LTE B20:832-862MHz		
		LTE B12/B17/B28:710-755MHz		
		GSM 850/WCDMA B5/LTE B5: 869 - 894 MHz		
		GSM 900/WCDMA B8/LTE B8 : 925 - 960 MHz		
		DCS/LTE B3/B66 : 1805 - 1880 MHz		
		WCDMA 4/LTE B4 : 2110-2155 MHz		
		PCS/WCDMA B2/LTE B2:1930-1990MHz		
		WCDMA B1/LTE B1 : 2110 - 2170MHz		
		LTE B7 :2620-2690MHz		
		LTE B40:2300-2400MHz		
		LTE B38/41:2565-2645MHz		
		LTE B20 :791-821MHz		
		LTE B12/B17/B28 :758-803MHz		
		GSM850/900: 32+/-2dBm		
		DCS/PCS: 30+/-2dBm		
		RF-Output Power (E.I.R.P)		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		GSM 850/WCDMA B5/LTE B5 :-8.28		
		GSM 900/WCDMA B8/LTE B8 : -6.63		
		DCS /WCDMA B4/LTE B3/B4/B66 : -3.9		
		PCS/WCDMA B2/LTE B2: -3.8		
		WCDMA B1/LTE B1 : -4.5		
		LTE B7/B38/B41 : -2		
		LTE B40 : -1.4		
		LTE B20 :-7.7		
		LTE B12/B17/B28 :-8.7		
		GSM 850/WCDMA B5/LTE B5 :-9.4		
		GSM 900/WCDMA B8/LTE B8 : -9.8		
		DCS /WCDMA B4/LTE B3/B4/B66 : -2.6		
		PCS/WCDMA B2/LTE B2: -2.3		
		WCDMA B1/LTE B1 : -2.1		
		LTE B7/B38/B41 : -1.6		
		LTE B40 : -1		
		LTE B20 :-5.9		
		LTE B12/B17/B28 :-9.2		
		ANT12		2.4G WIFI:-1.3
5G WIFI:-1.4				

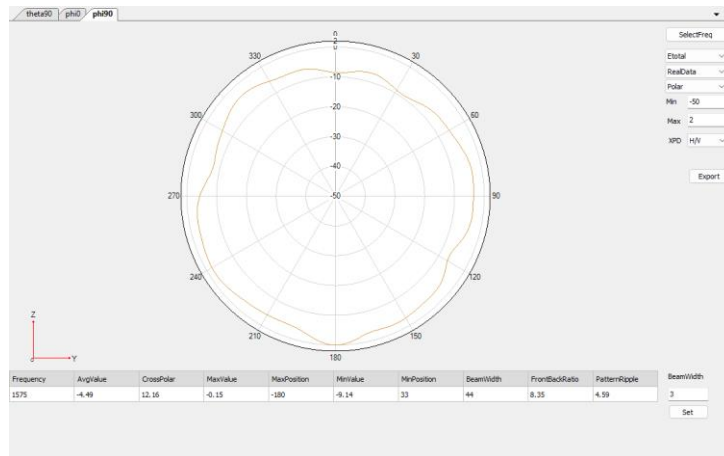
Type of Modulation	ANT13	GPS:-1.1

※ Antenna Gain

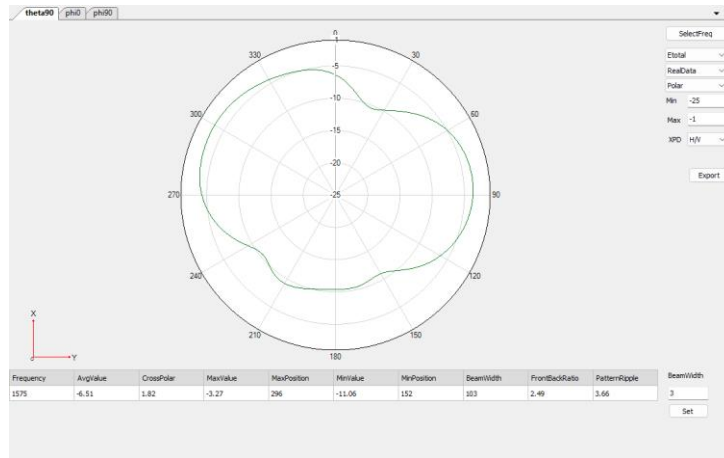
ANT13 GPS



GPS Phi=0deg



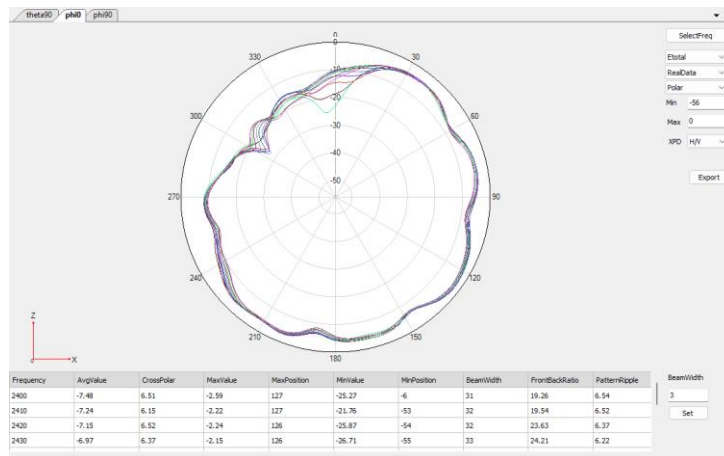
GPS Phi=90deg



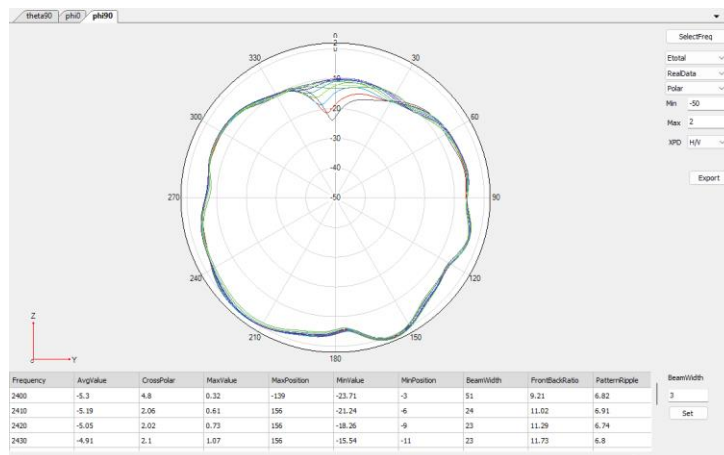
GPS Theta=90deg

※ Antenna Gain

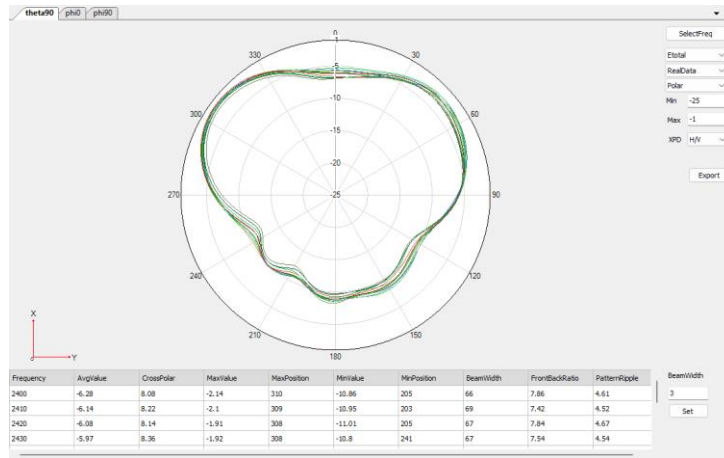
ANT12 2.4G+5G WIFI



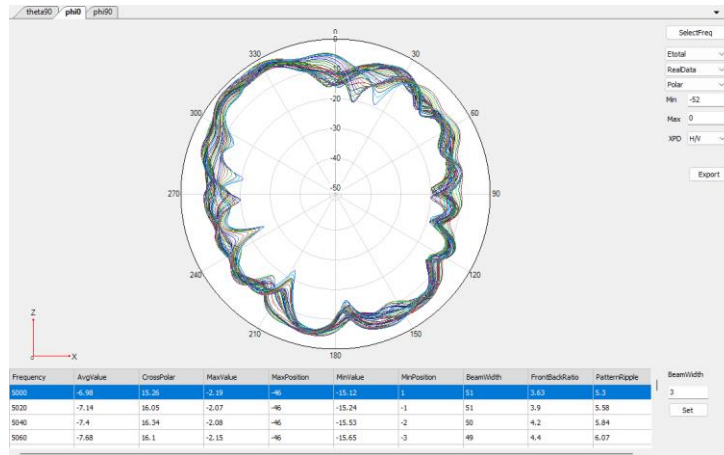
2.4G WIFI Phi=0deg



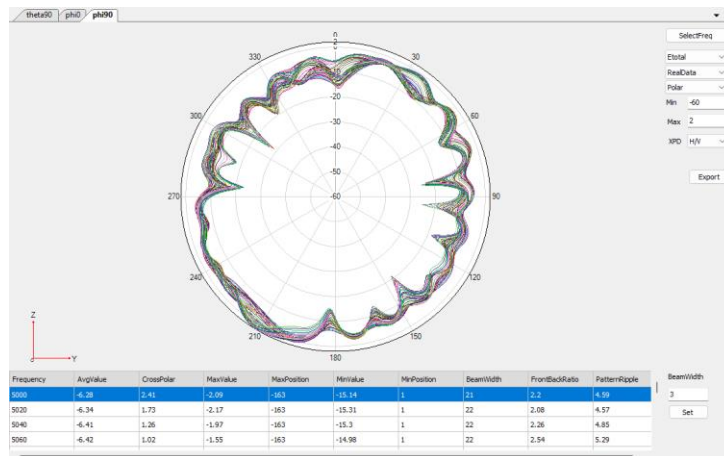
2.4G WIFI Phi=90deg



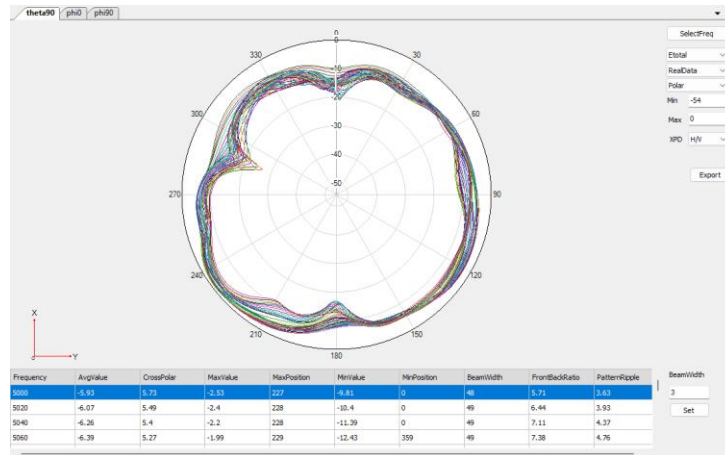
2.4G WIFI Theta=90deg



5G WIFI Phi=0deg



5G WIFI Phi=90deg

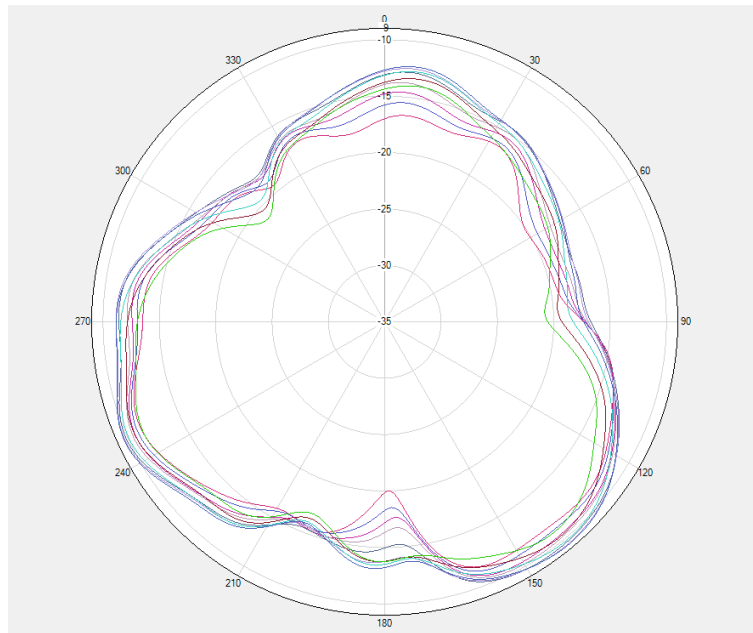


5G WIFI Theta=90deg

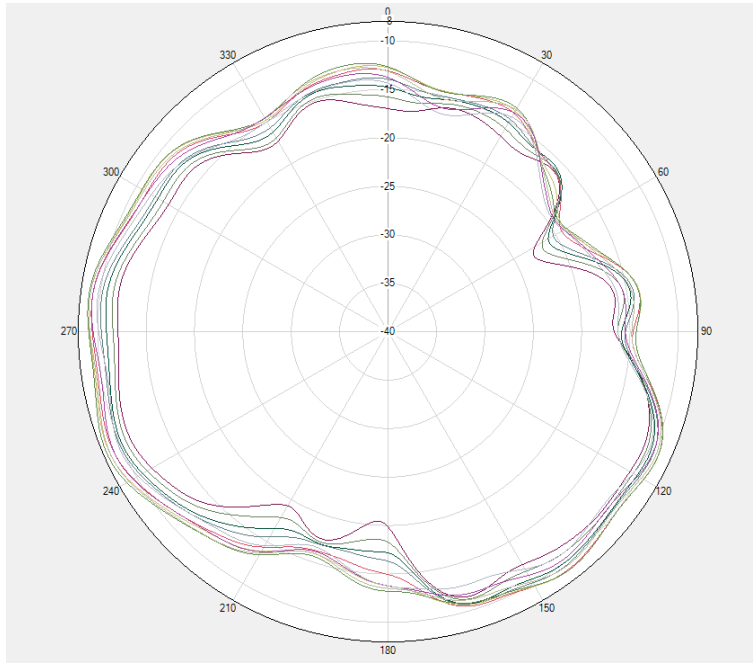
※ Antenna Gain

ANT0 DIV

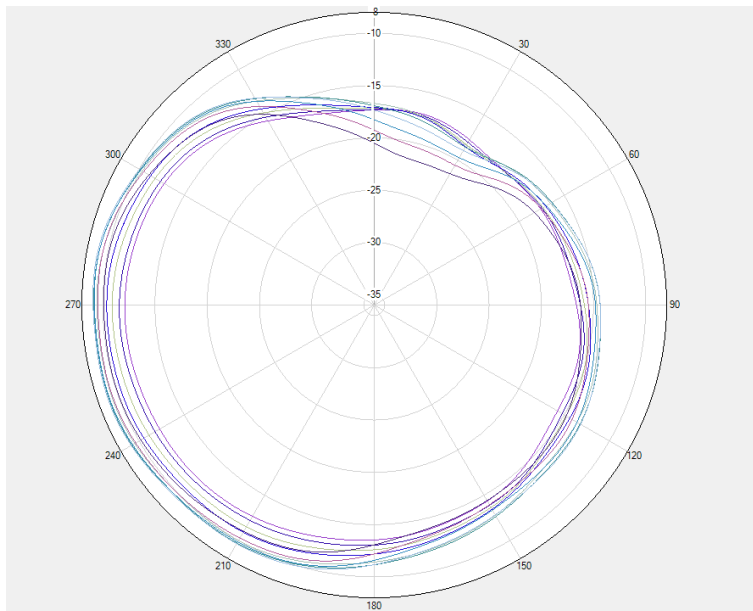
※



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

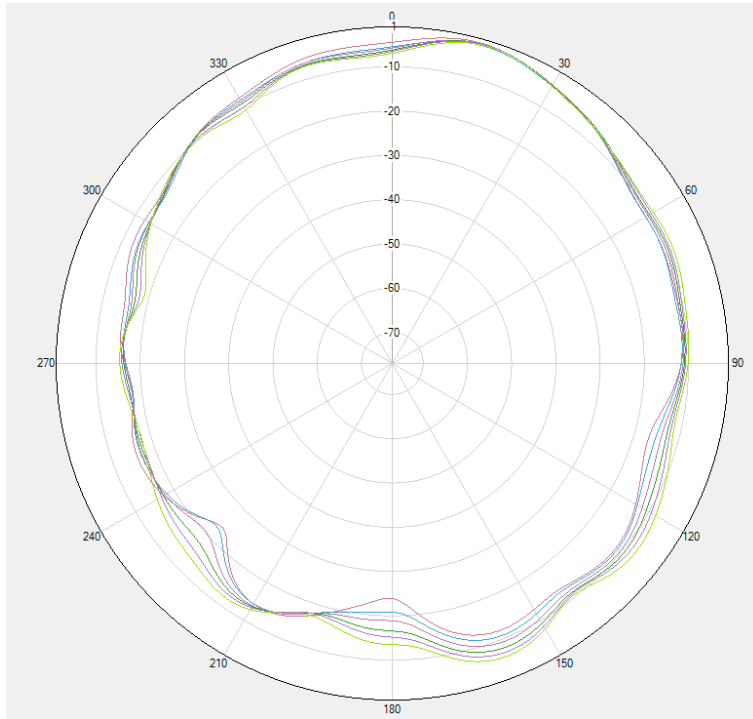


GSM850 / WCDMA B5 / LTE B5/B20 Phi=90deg

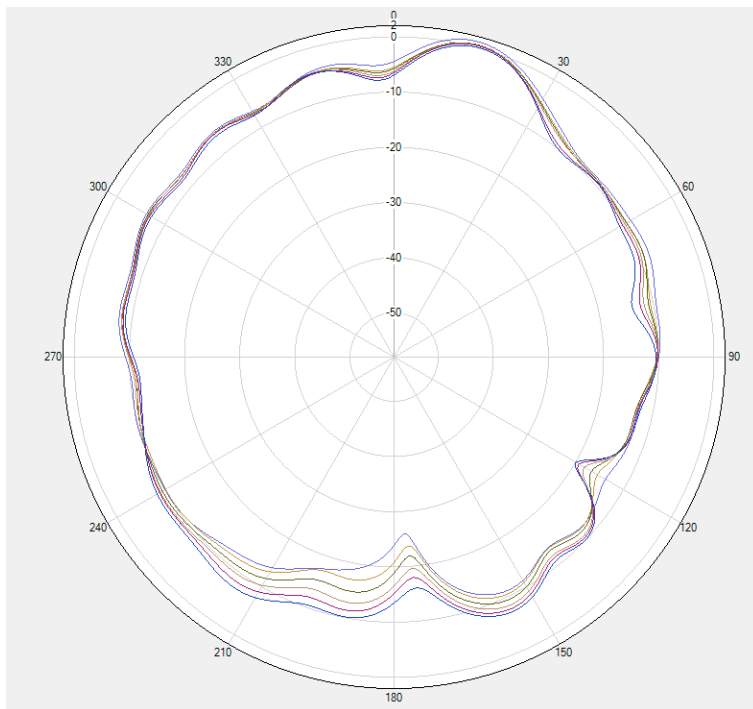


GSM850 / WCDMA B5 / LTE B5/B20 Theta=90deg

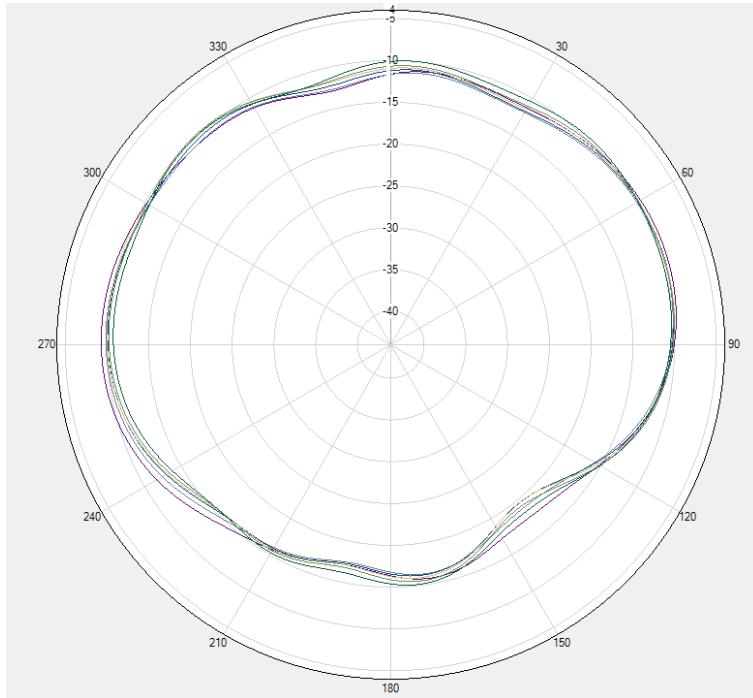
※ Antenna Gain



LTE B40 $\Phi=0^\circ$

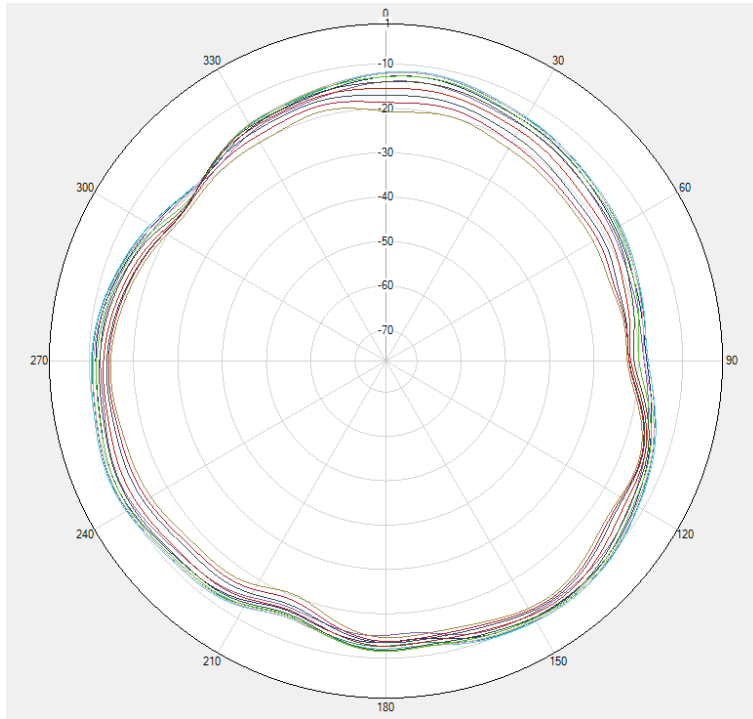


LTE B40 $\Phi=90^\circ$

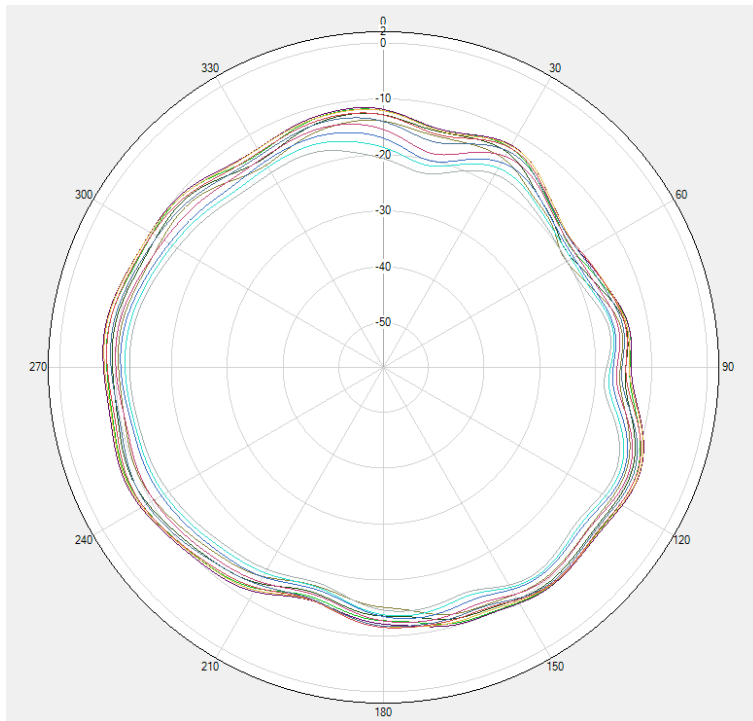


LTE B40 Theta=90deg

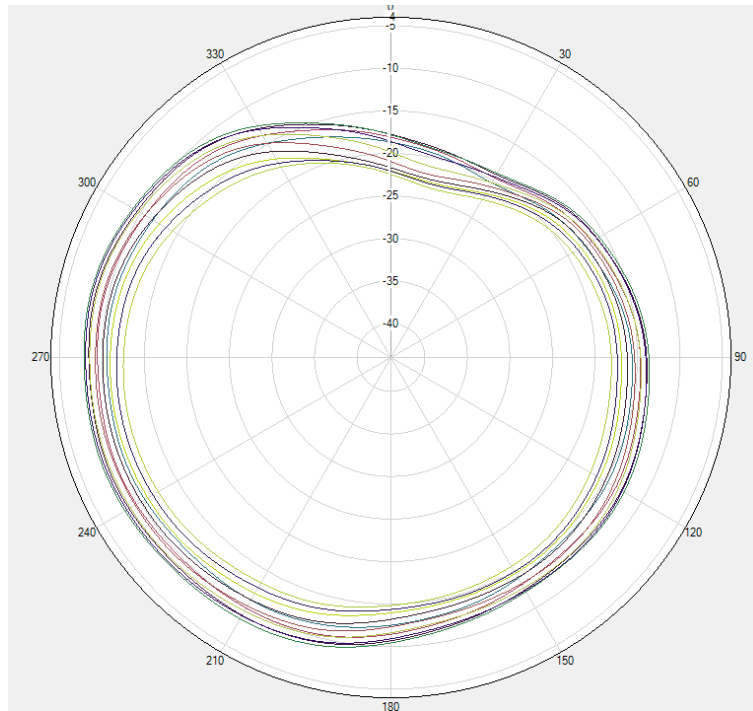
※ Antenna Gain



GSM900 / WCDMA B8 / LTE B8 Phi=0deg

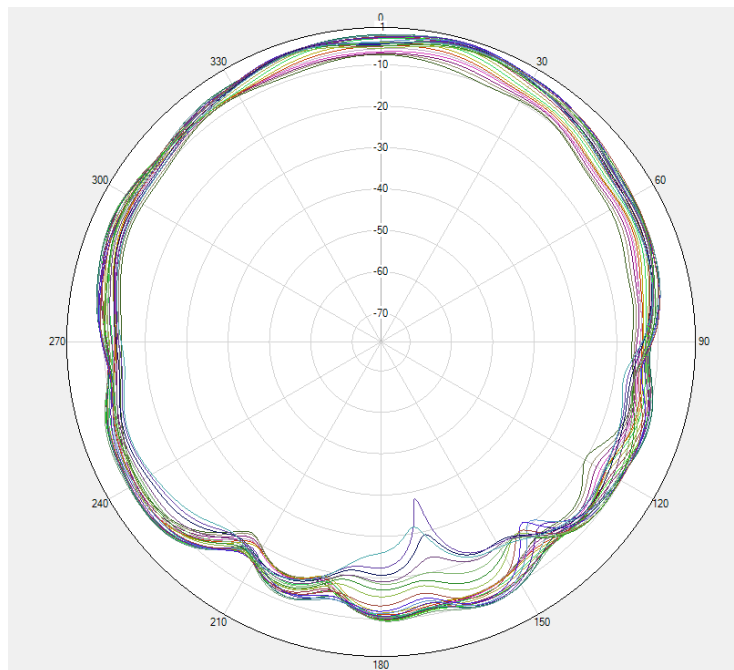


GSM900 / WCDMA B8 / LTE B8 Phi=90deg

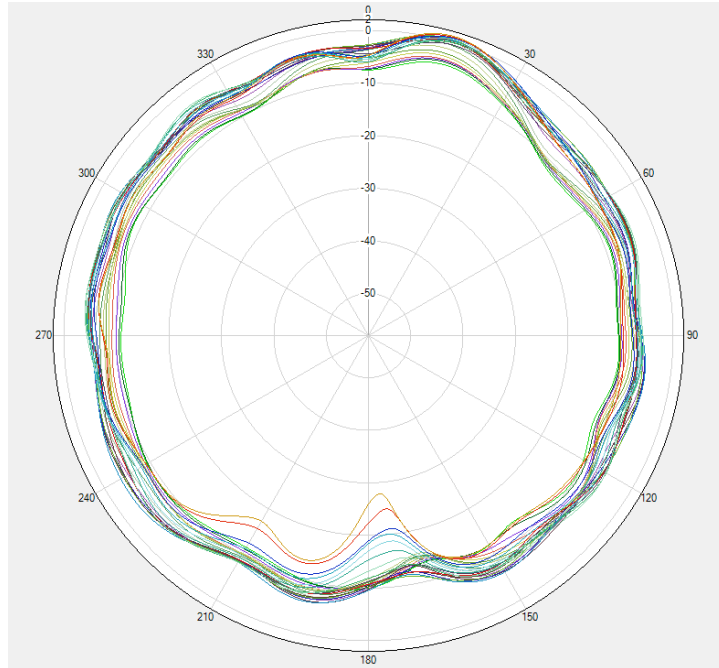


GSM900 / WCDMA B8 / LTE B8 Theta=90deg

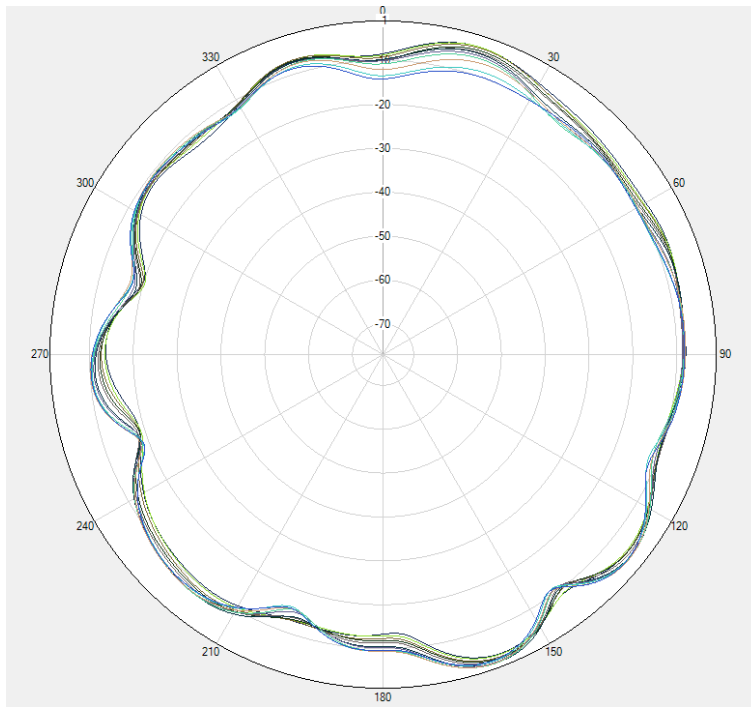
※ Antenna Gain



DCS1800/PCS1900/WCDMA B1/B2LTE B1/B2/B3/B4/B66Phi=0deg

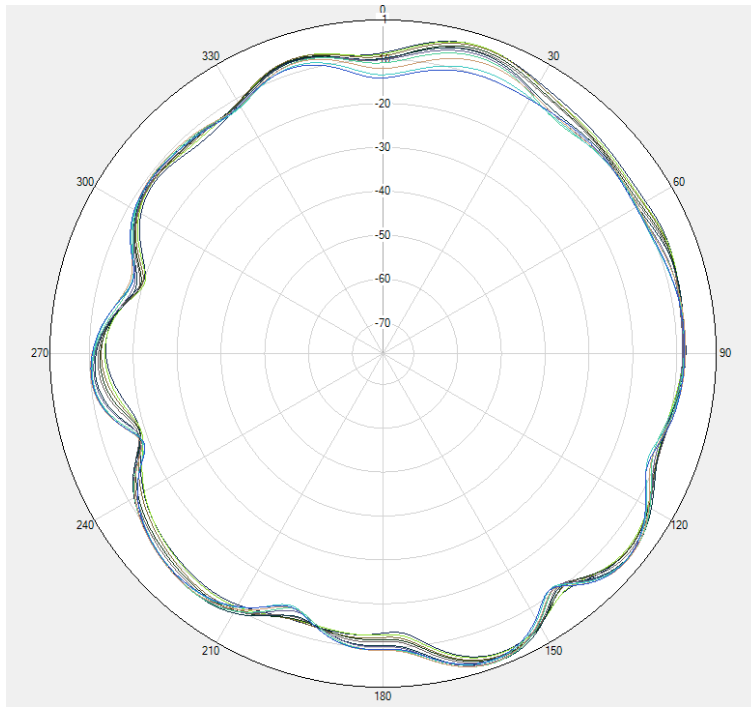


DCS1800/PCS1900/WCDMA B1/B2LTE B1/B2/B3/B4/B66 Phi=90deg

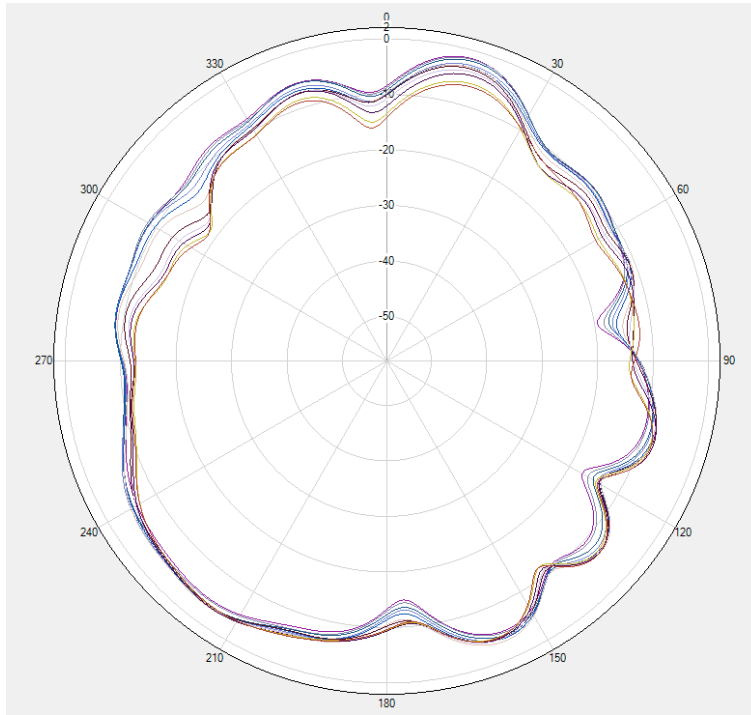


DCS1800/PCS1900/WCDMA B1/B2LTE B1/B2/B3/B4/B66Theta=90deg

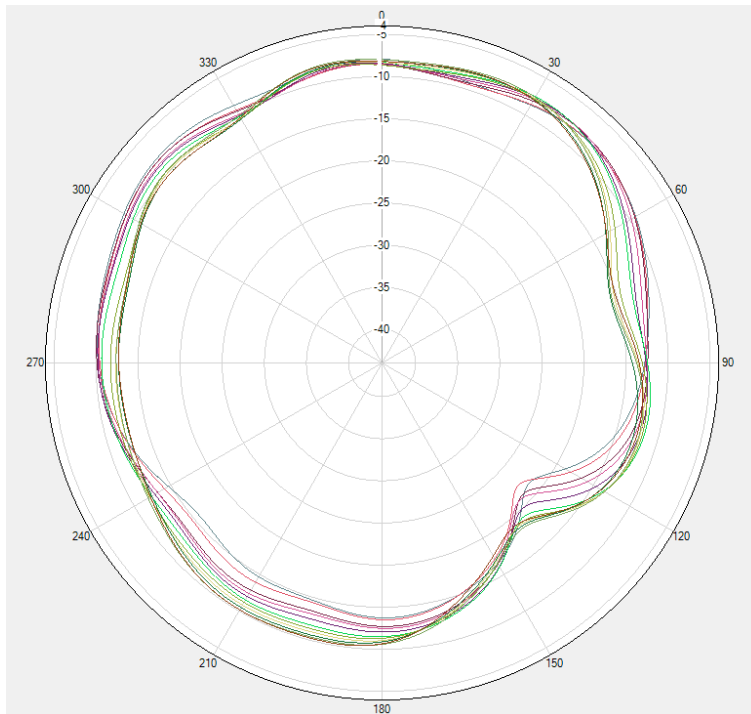
※ Antenna Gain



LTE B7/B38/41 Phi=0deg

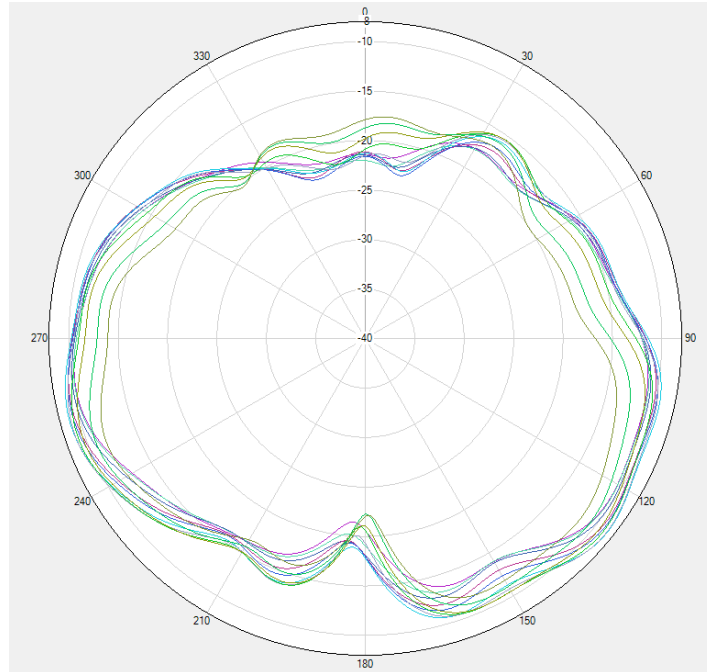


LTE B7/B38/41 $\Phi=90^\circ$

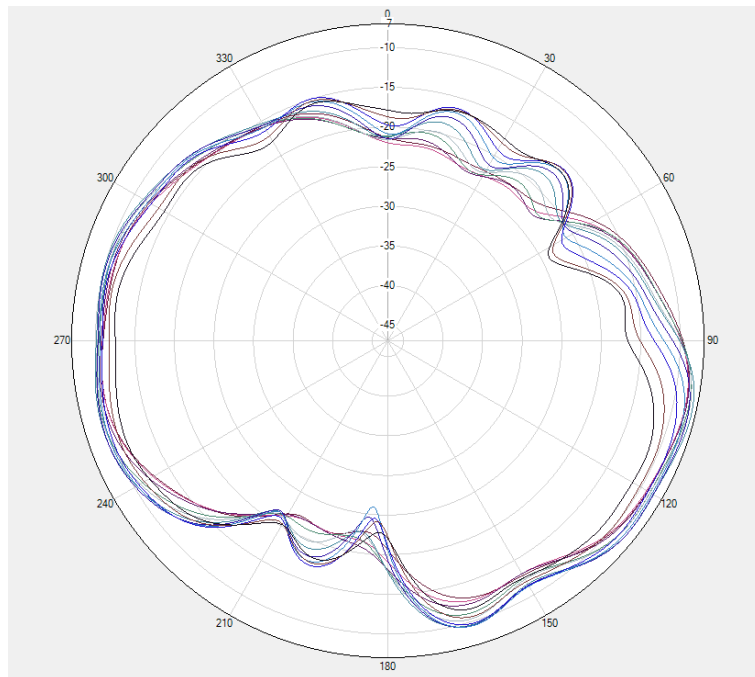


LTE B7/B38/41 $\Theta=90^\circ$

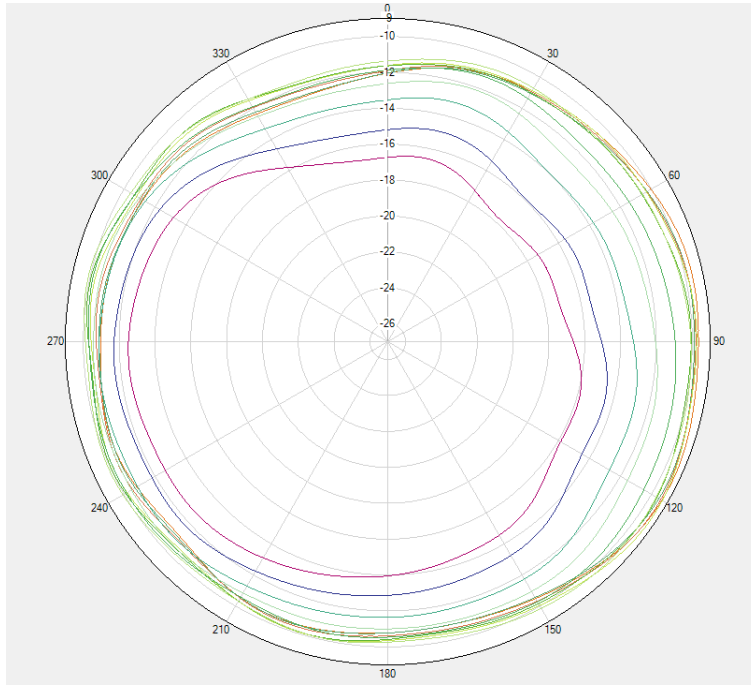
※ Antenna Gain



LTE B12/B17/ B28 Phi=0deg



LTE B12/B17/B28 Phi=90deg

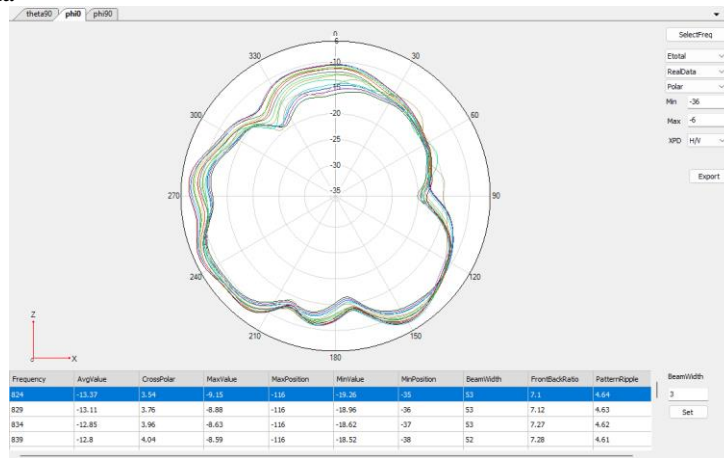


LTE B12/B7/B28 Theta=90deg

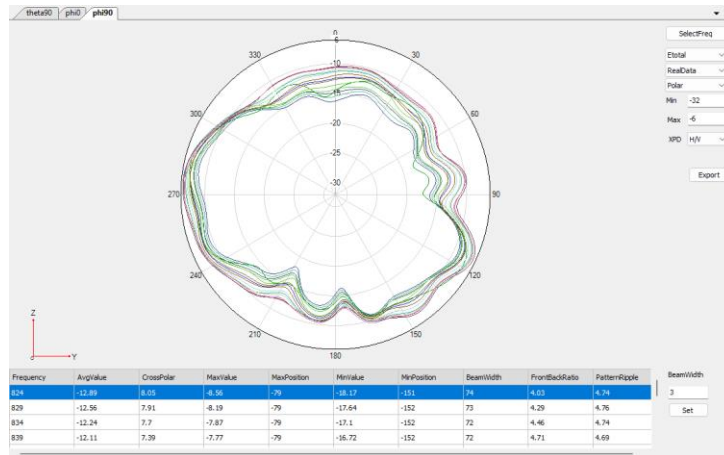
ANT1



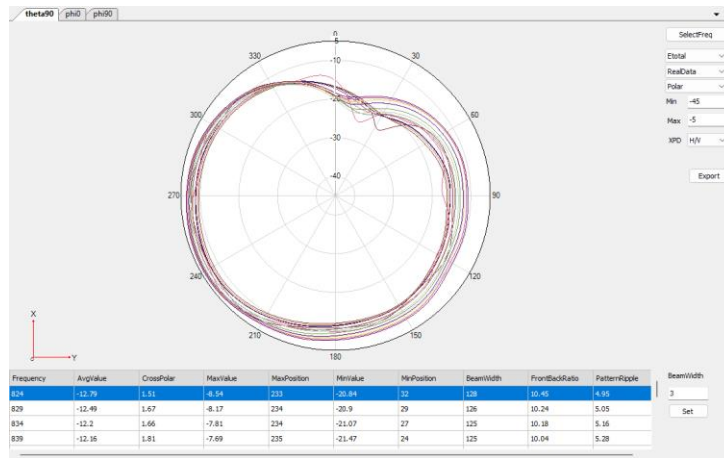
Main Antenna



WCDMA B5 / LTE B5/B20 Phi=0deg

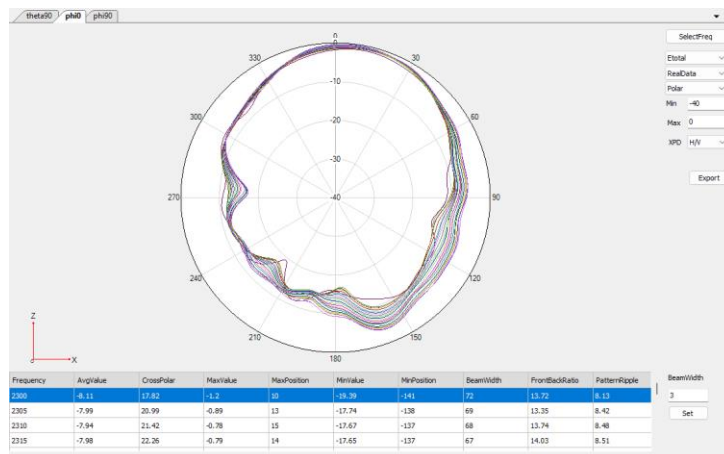


WCDMA B5 / LTE B5/B20 Phi=90deg

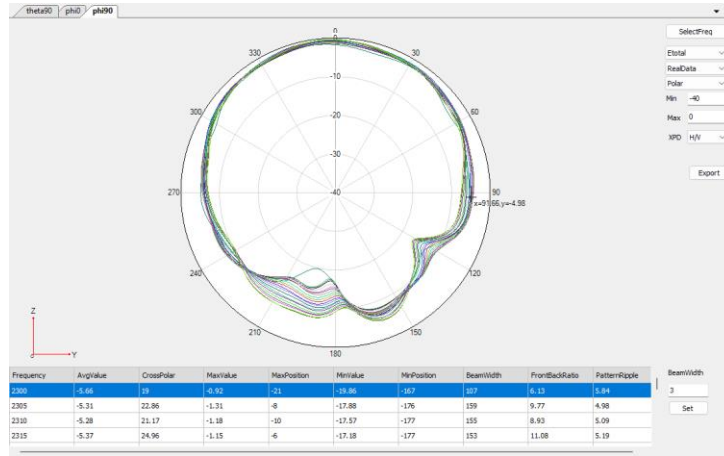


WCDMA B5 / LTE B5/B20 Theta=90deg

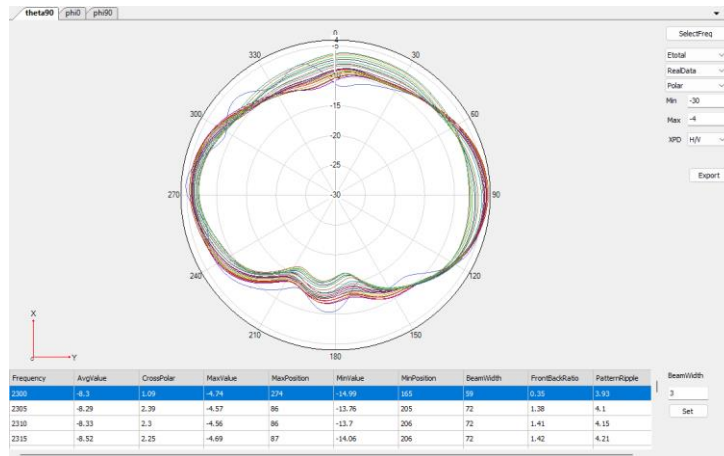
✂ Main Antenna



LTE B40 Phi=0deg



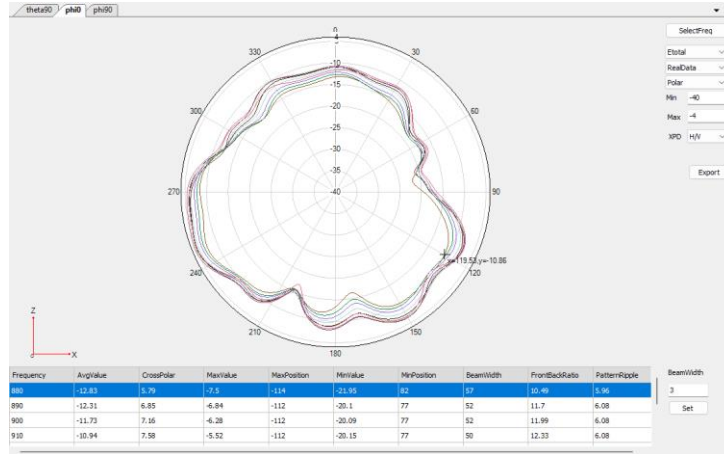
LTE B40 Phi=90deg



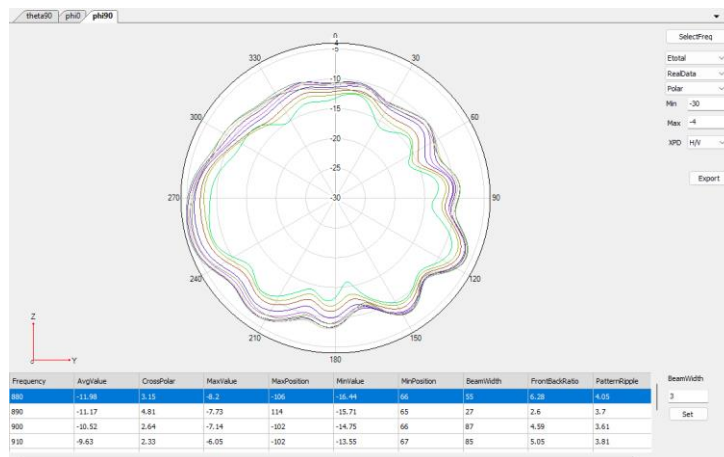
LTE B40 Theta=90deg

※ Antenna Gain

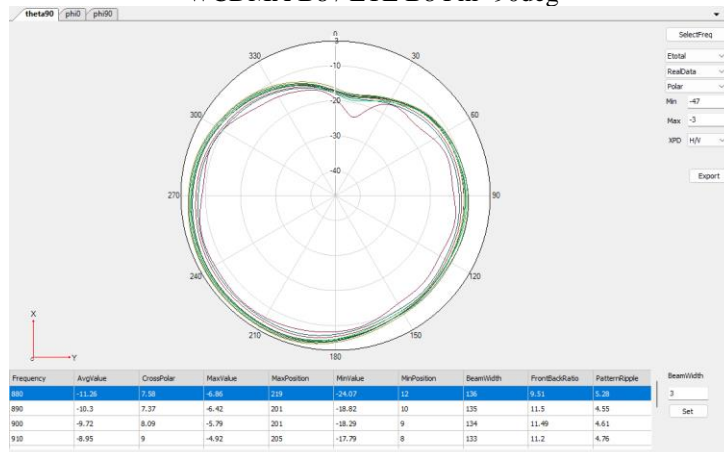
Main Antenna



WCDMA B8 / LTE B8 Phi=0deg



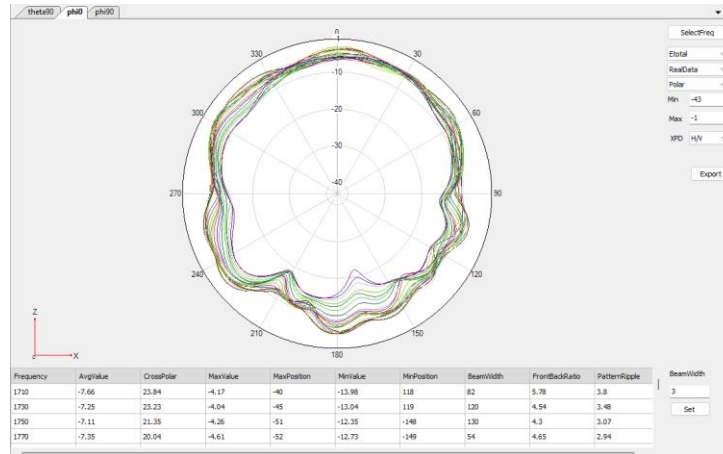
WCDMA B8 / LTE B8 Phi=90deg



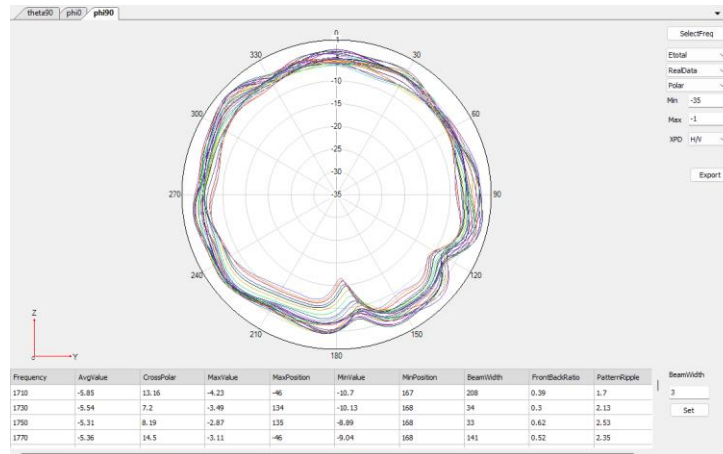
WCDMA B8 / LTE B8 Theta=90deg

※ Antenna Gain

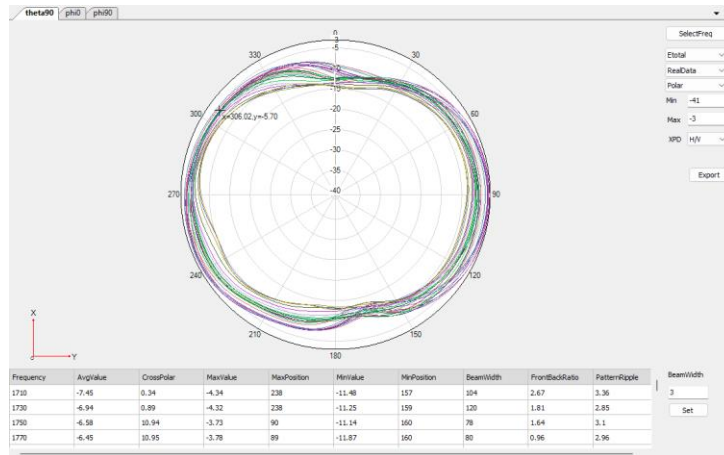
Main Antenna



WCDMA B1/B2LTE B1/B2/B3/B4/B66Phi=0deg



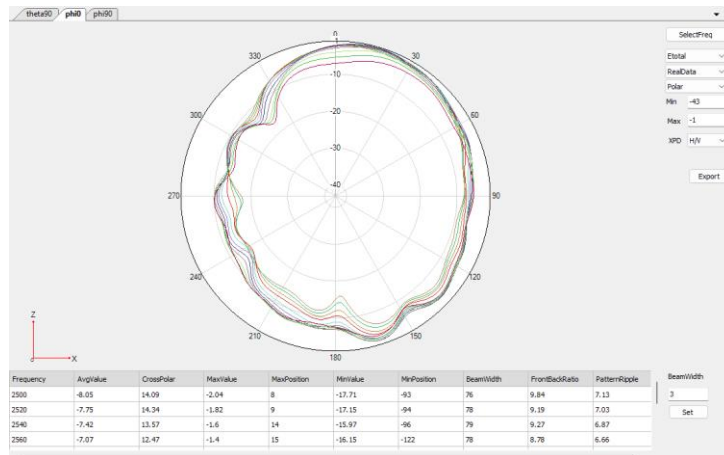
WCDMA B1/B2LTE B1/B2/B3/B4/B66 Phi=90deg



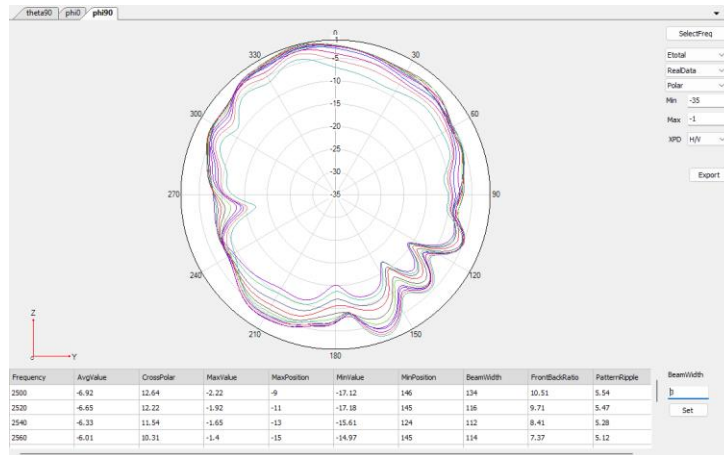
WCDMA B1/B2/LTE B1/B2/B3/B4/B66 Theta=90deg

✂ Antenna Gain

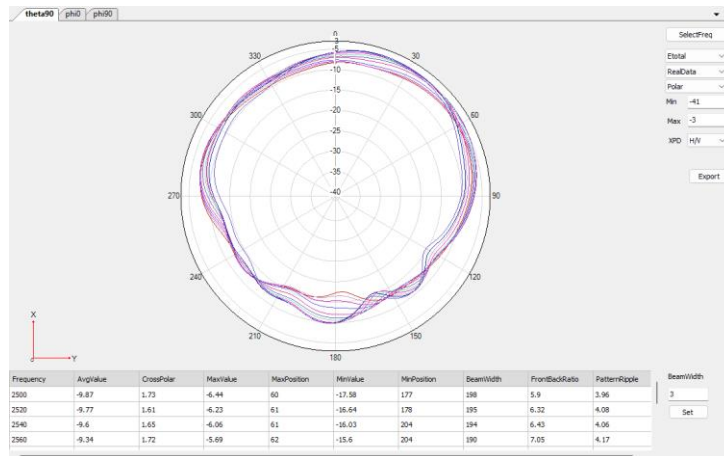
Main Antenna



LTE B7/B38/41 Phi=0deg



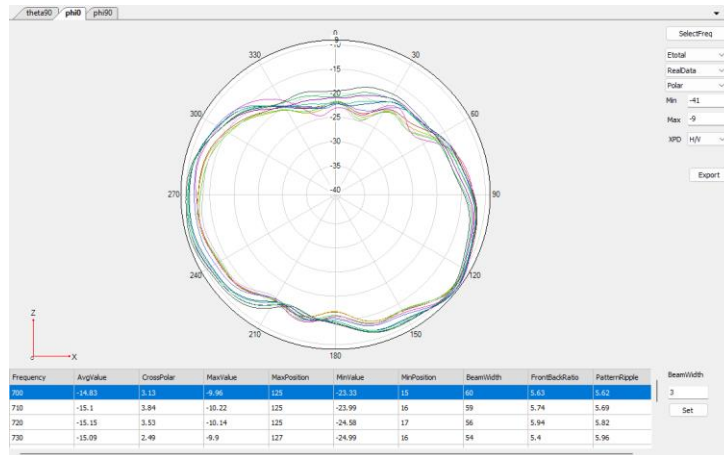
LTE B7/B38/41 Phi=90deg



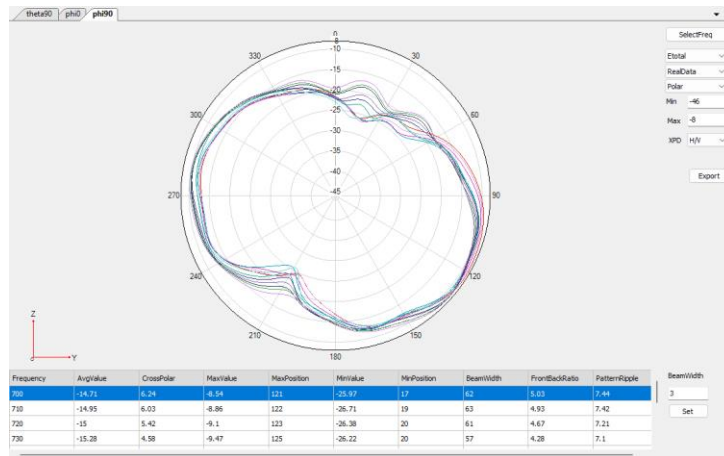
LTE B7/B38/41 Theta=90deg

※ Antenna Gain

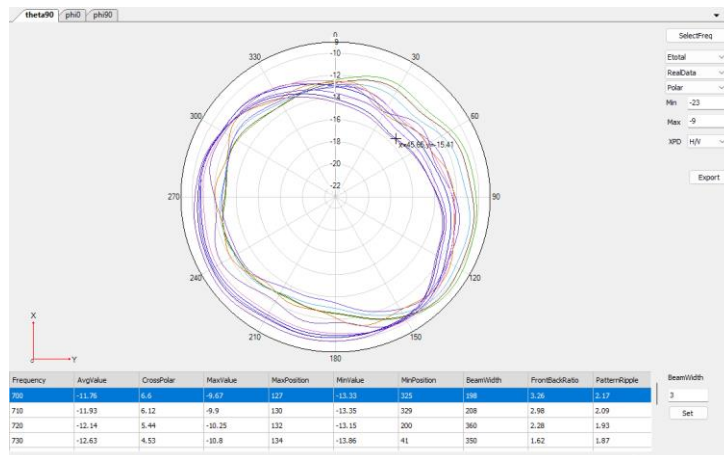
Main Antenna



LTE B12/B17/ B28 Phi=0deg



LTE B12/B17/B28 Phi=90deg



LTE B12/B7/B28 Theta=90deg

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
	Yuehua.sun		DATE:	2024/05