



## 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/B13/B26/B28A/B28B/B38/B40/B41/B66

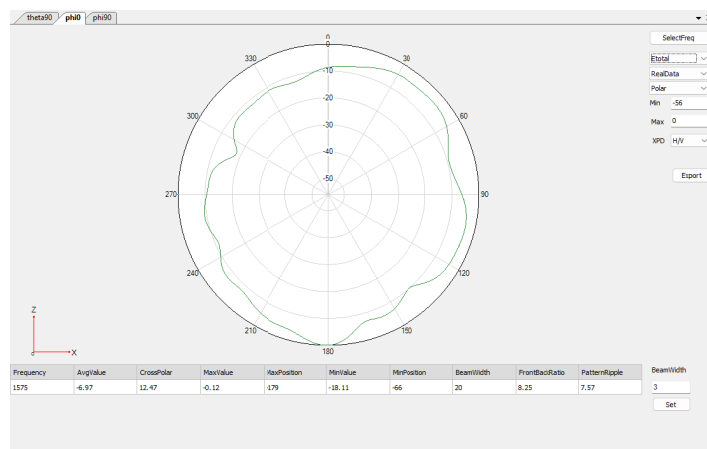
Name and address of the antenna manufacturer	Model number of the antenna
Shangyuan technology Address: Floor 1, Building 4, No.99, Lane 215, Gaoguang Road, Qingpu District, Shanghai	SYC-KL4-ANT0 SYC-KL4-ANT1&12 SYC-KL4-ANT13

Transmitter Frequency		GSM 850/WCDMA B5/LTE B5/B26 : 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
		LTE B13:777-787MHz
		LTE B12/B17/B28:710-755MHz
Receiver Frequency		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 B13 :746-756MHz
LTE B12/B17/B28 :758-803MHz		
Antenna Gain	ANT1	GSM 850/WCDMA B5/LTE B5/B26 :-8.28dBi
		GSM 900/WCDMA B8/LTE B8 : -6.63dBi
		DCS /WCDMA B4/LTE B3/B4/B66 : -3.9dBi
		PCS/WCDMA B2/LTE B2: -3.8dBi
		WCDMA B1/LTE B1 : -4.5dBi
		LTE B7/B38/B41 : -2dBi
		LTE B40 : -1.4dBi
		LTE B13 :-7.7dBi
		LTE B12/B17/B28 :-8.7dBi
		ANT0
	GSM 900/WCDMA B8/LTE B8 : -9.8dBi	
	DCS /WCDMA B4/LTE B3/B4/B66 : -2.6dBi	
	PCS/WCDMA B2/LTE B2: -2.3dBi	
	WCDMA B1/LTE B1 : -2.1dBi	
	LTE B7/B38/B41 : -1.6dBi	
	LTE B40 : -1dBi	

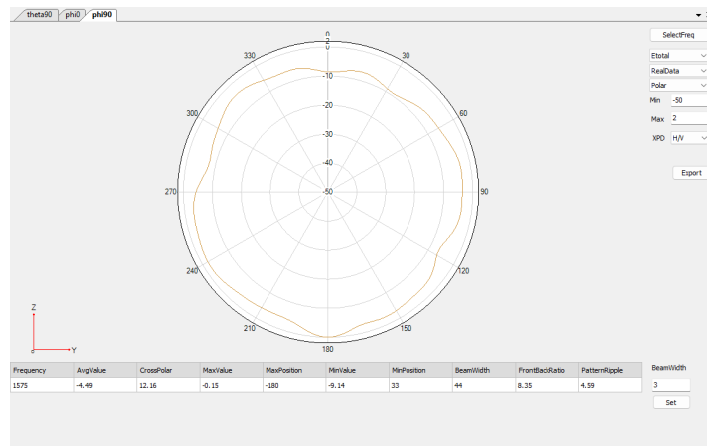
		LTE B13 :-5.9dBi
		LTE B12/B17/B28 :-9.2dBi
	ANT12	2.4G WIFI/BT:-1.3dBi
		5G WIFI:-1.4dBi
	ANT13	GPS:-1.1dBi

※ Antenna Gain

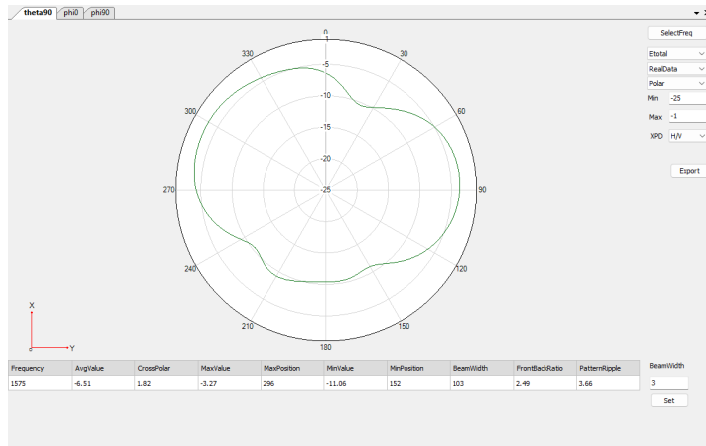
ANT13 GPS



GPS Phi=0deg



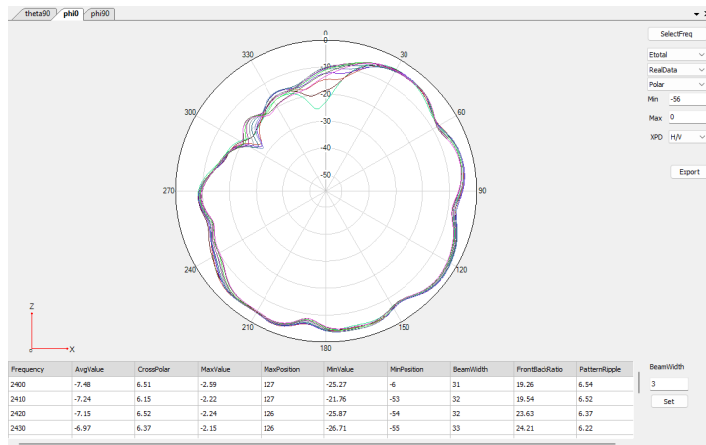
GPS Phi=90deg



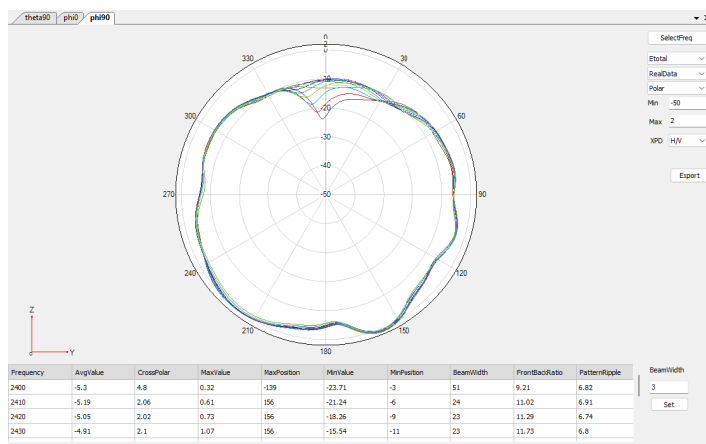
GPS Theta=90deg

✧ Antenna Gain

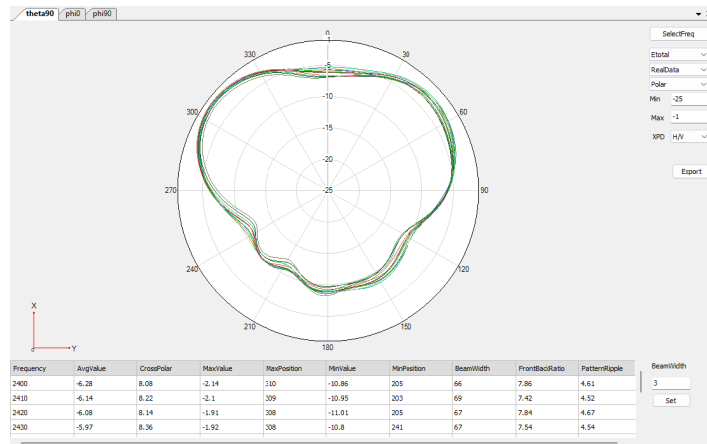
ANT12 BT/2.4G WIFI+5G WIFI



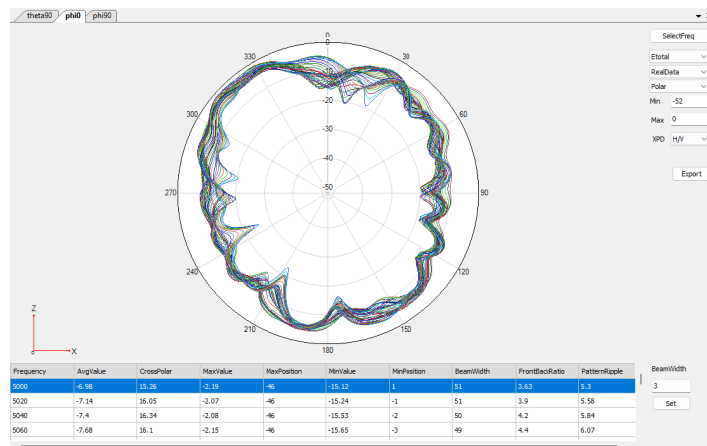
BT/2.4G WIFI Phi=0deg



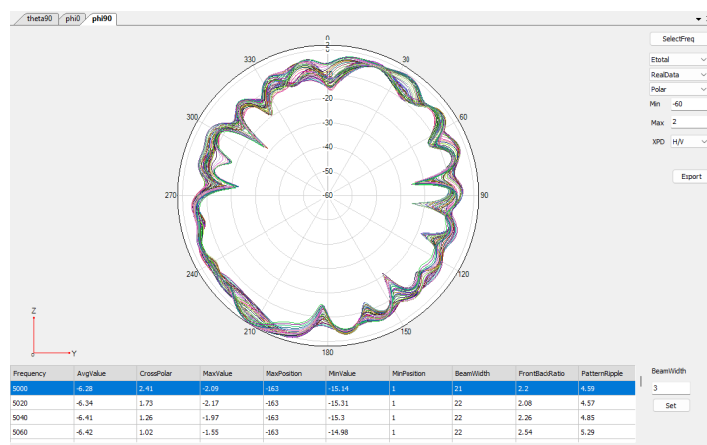
BT/2.4GWIFI Phi=90deg



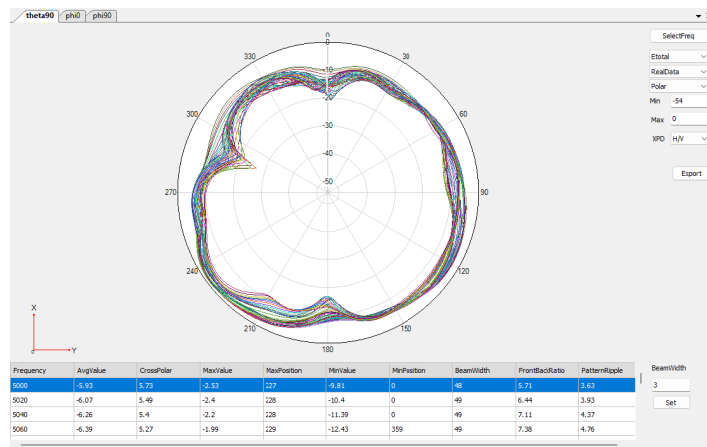
BT/2.4GWIFI Theta=90deg



5G WIFI Phi=0deg

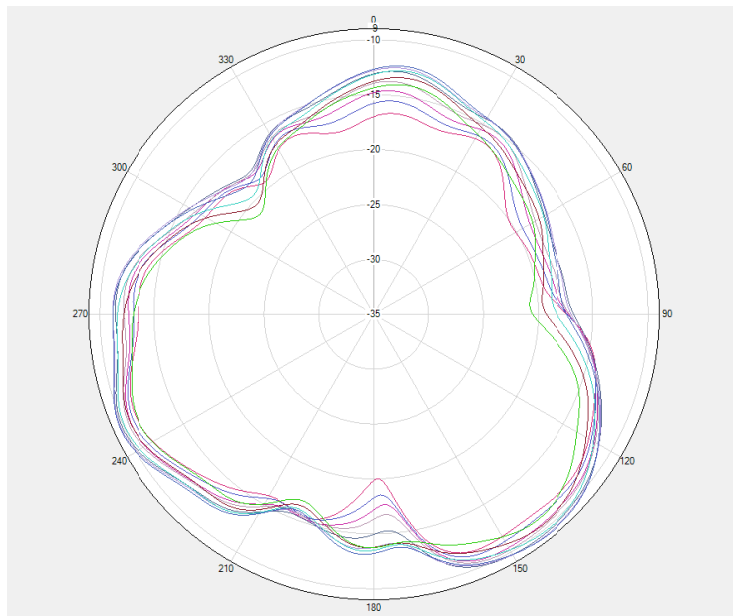


5G WIFI Phi=90deg

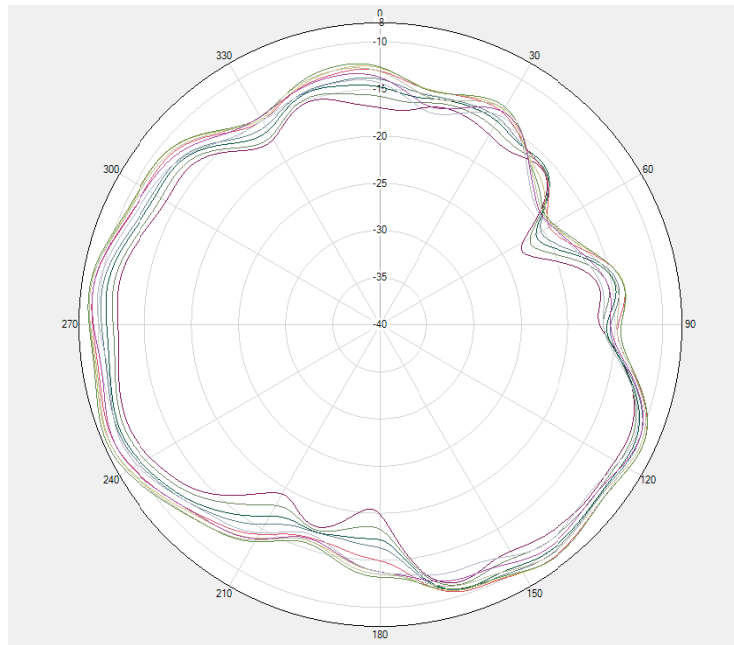


5G WIFI Theta=90deg

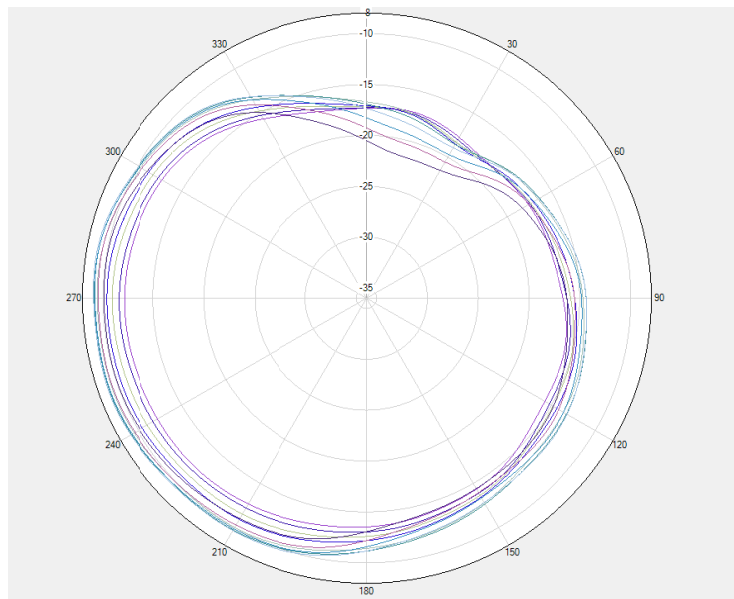
※ Antenna Gain  
 ANT0 DIV



GSM850 / WCDMA B5 / LTE B5/B26/B13 Phi=0deg

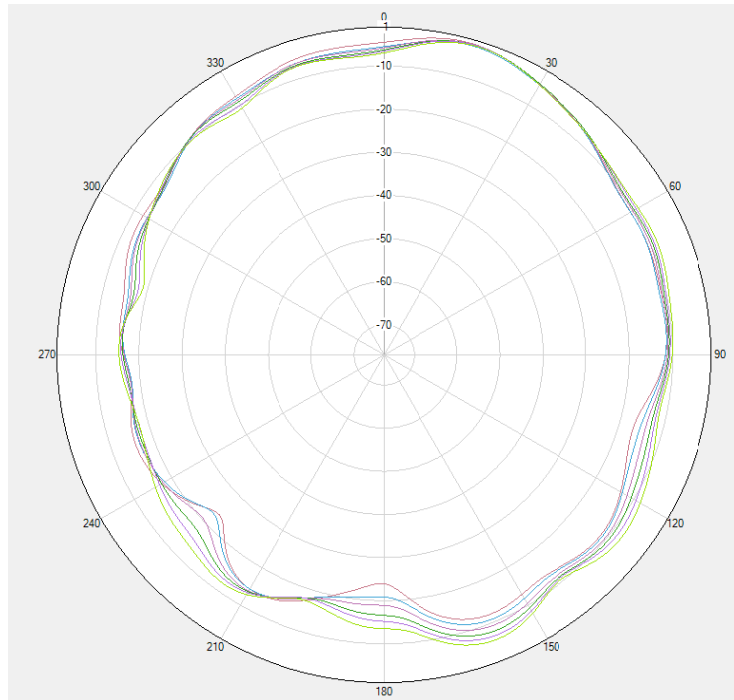


GSM850 / WCDMA B5 / LTE B5/B26/B13 Phi=90deg

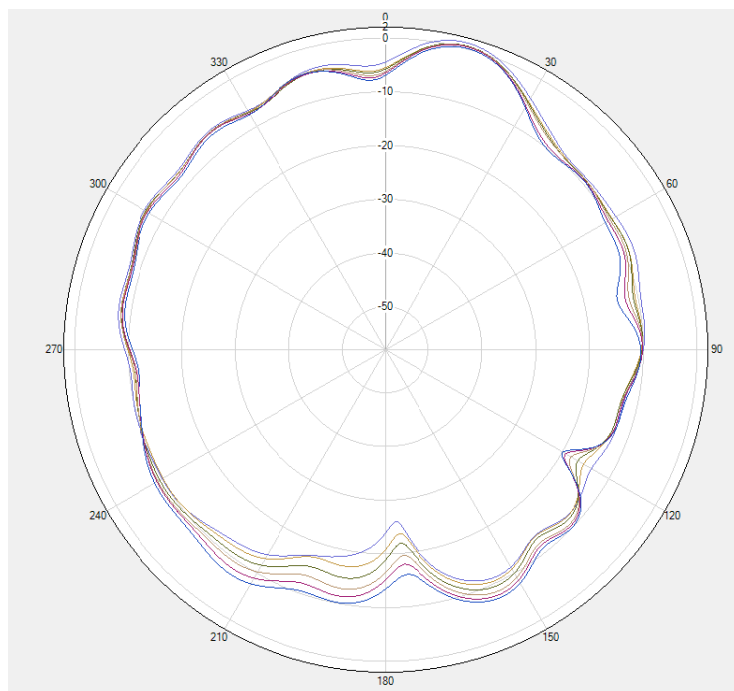


GSM850 / WCDMA B5 / LTE B5/B26/B13 Theta=90deg

※ Antenna Gain

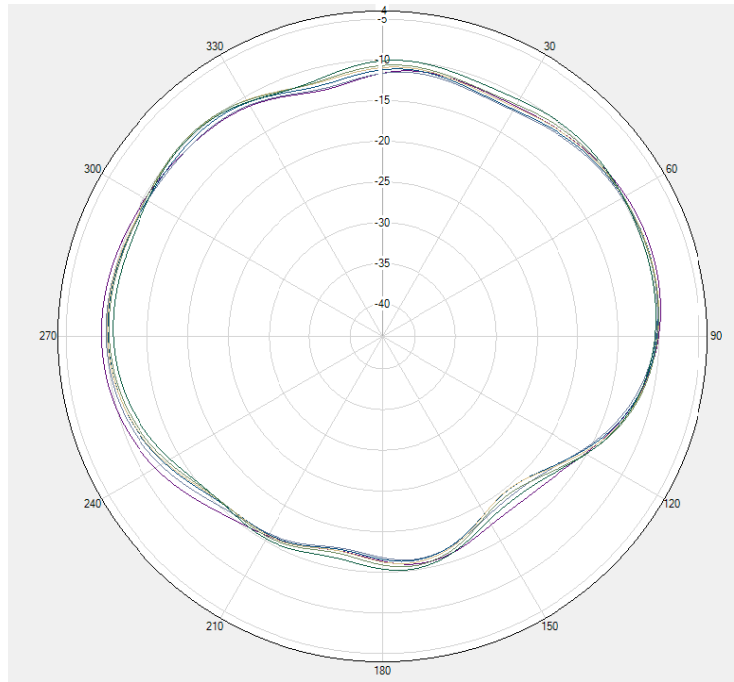


LTE B40  $\Phi=0^\circ$



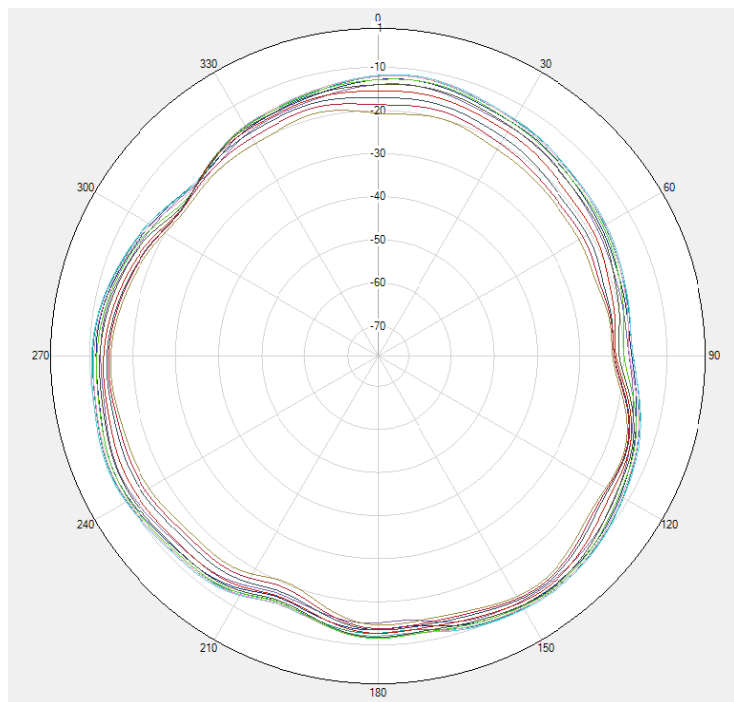
LTE B40  $\Phi=90^\circ$



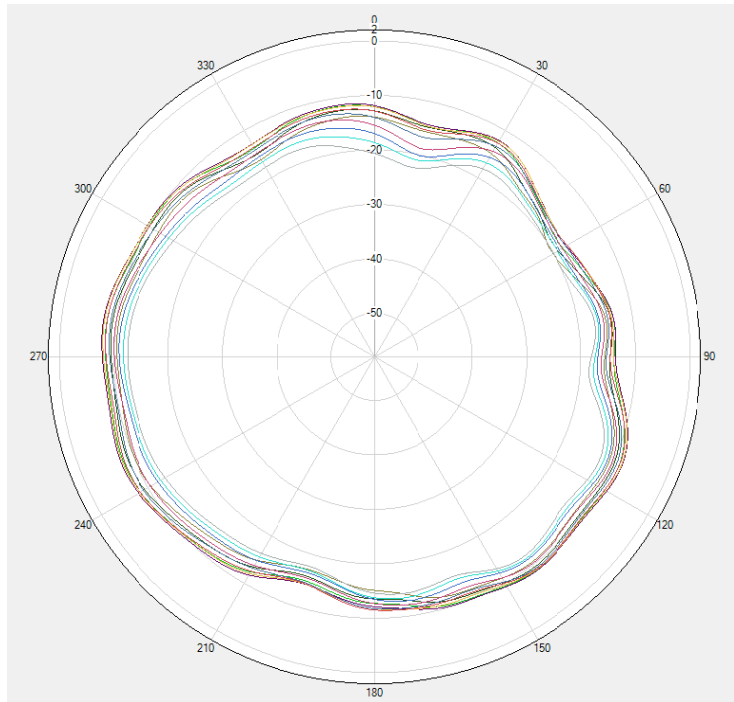


LTE B40 Theta=90deg

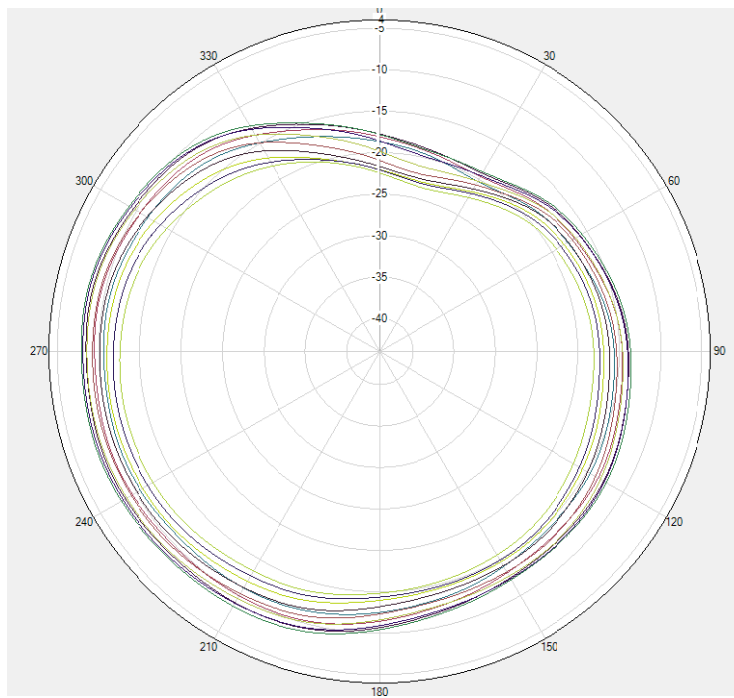
※ Antenna Gain



GSM900 / WCDMA B8 / LTE B8 Phi=0deg

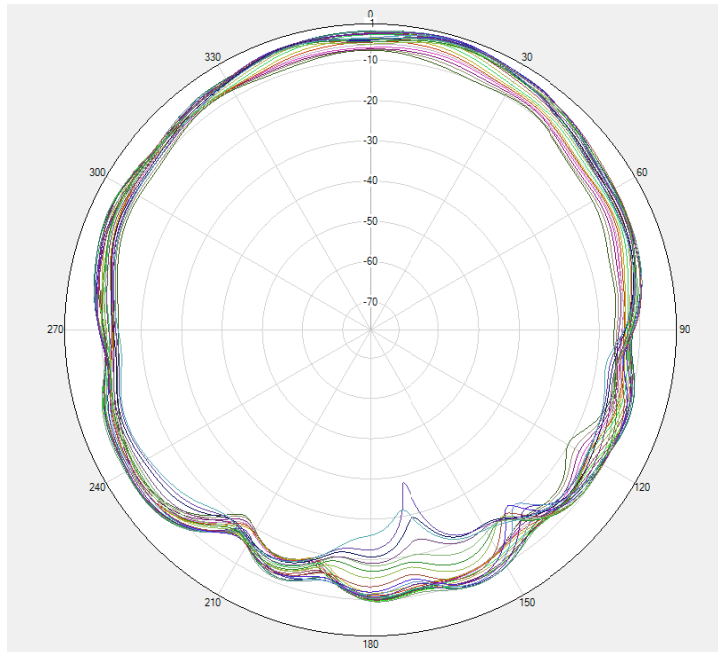


GSM900 / WCDMA B8 / LTE B8  $\Phi=90\text{deg}$

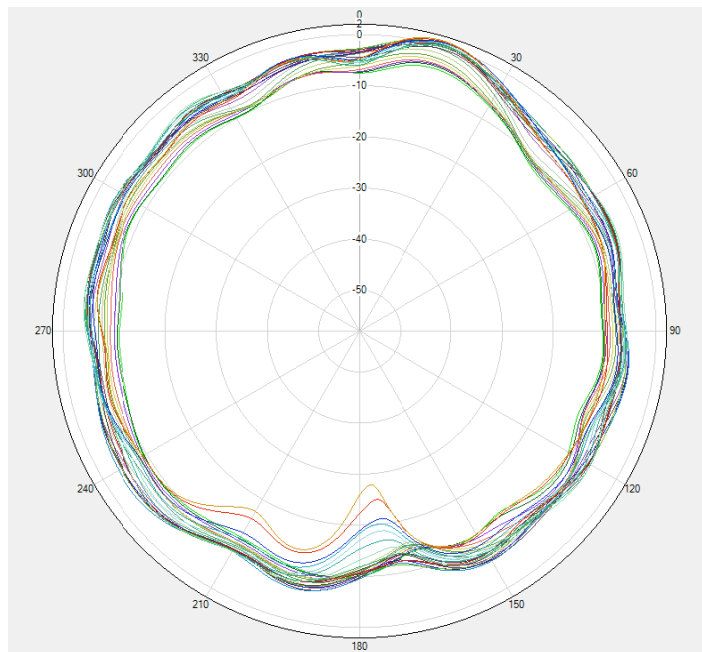


GSM900 / WCDMA B8 / LTE B8  $\Theta=90\text{deg}$

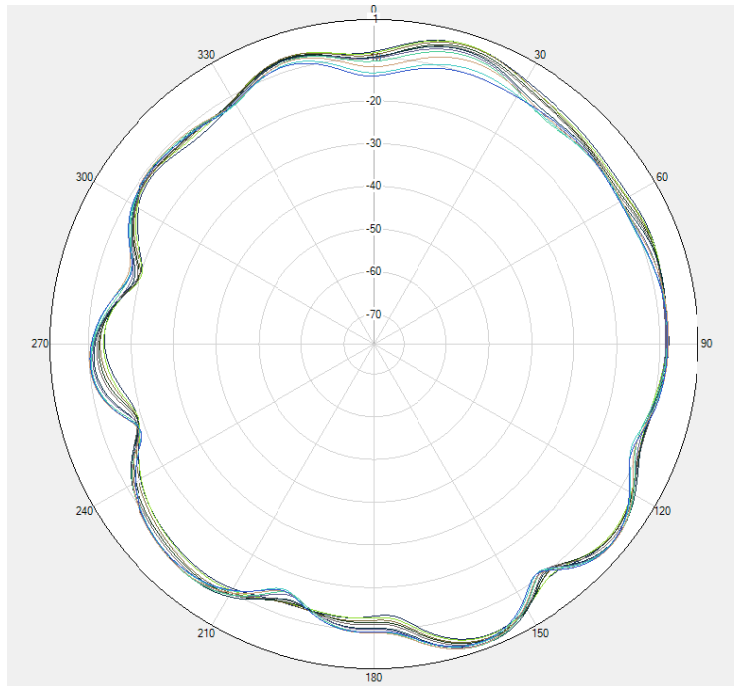
※ Antenna Gain



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

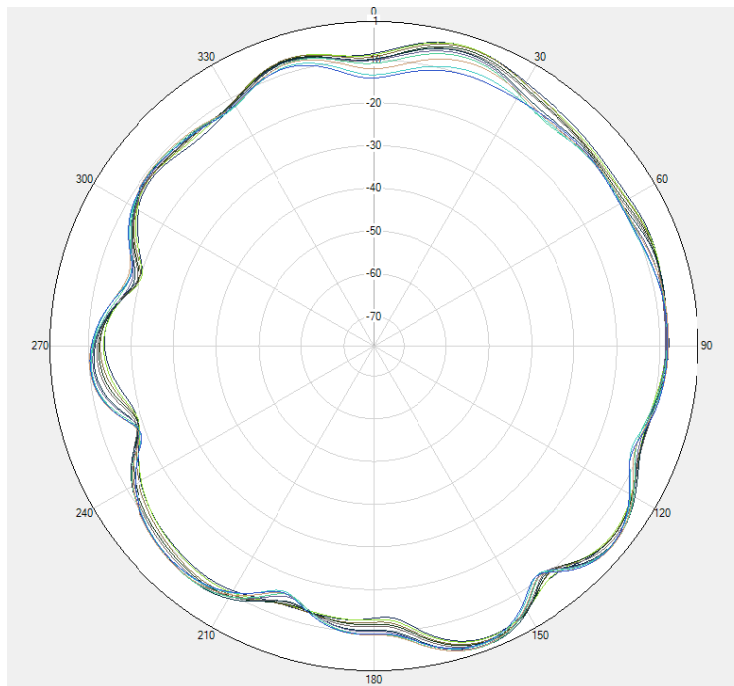


DCS1800/PCS1900/WCDMA B1/B2LTE B1/B2/B3/B4/B66 Phi=90deg

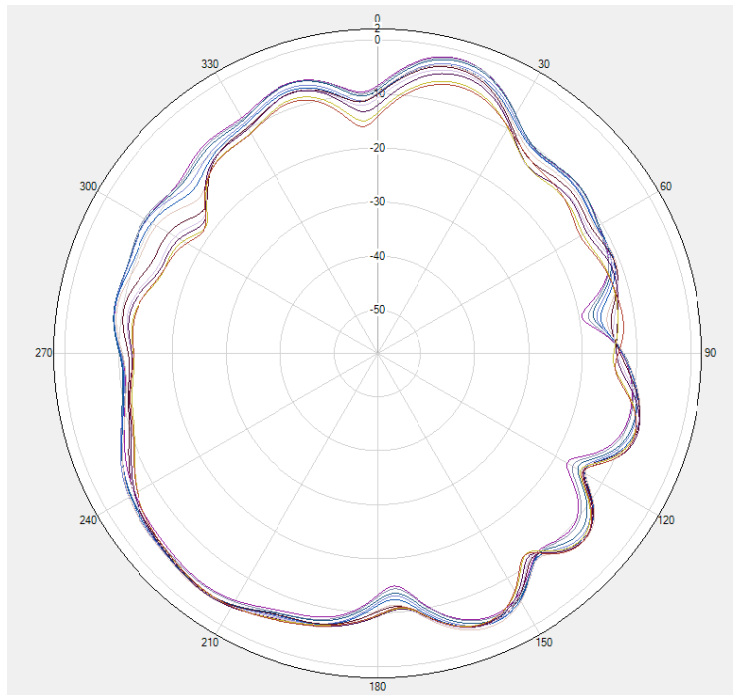


DCS1800/PCS1900/WCDMA B1/B2 LTE B1/B2/B3/B4/B66 Theta=90deg

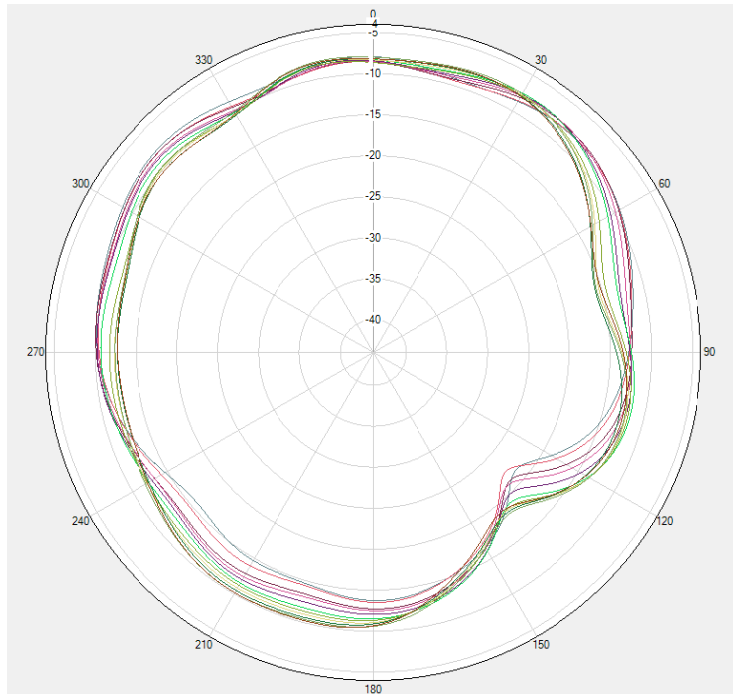
※ Antenna Gain



LTE B7/B38/41 Phi=0deg

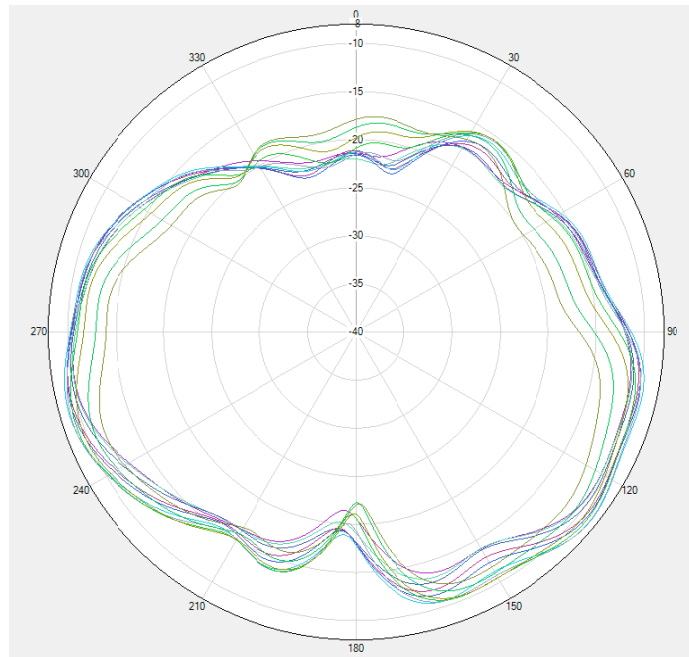


LTE B7/B38/41  $\Phi=90^\circ$

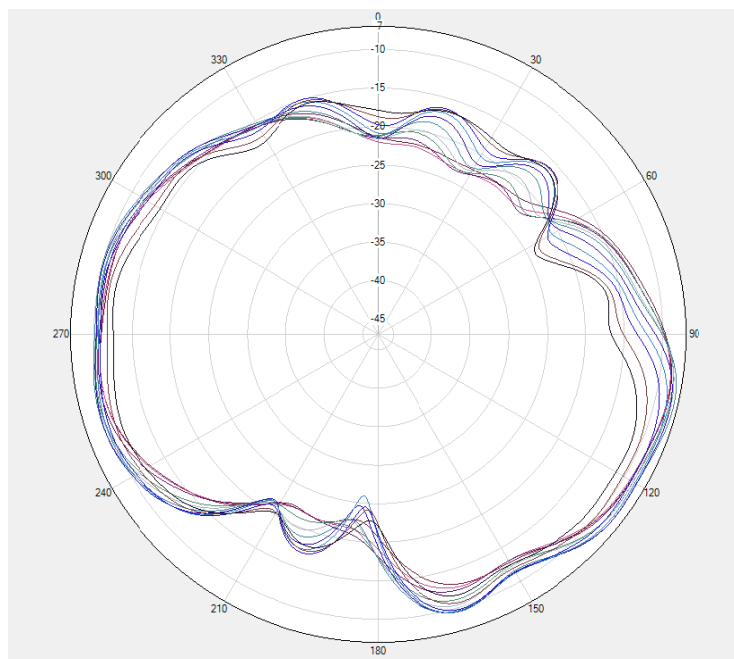


LTE B7/B38/41  $\Theta=90^\circ$

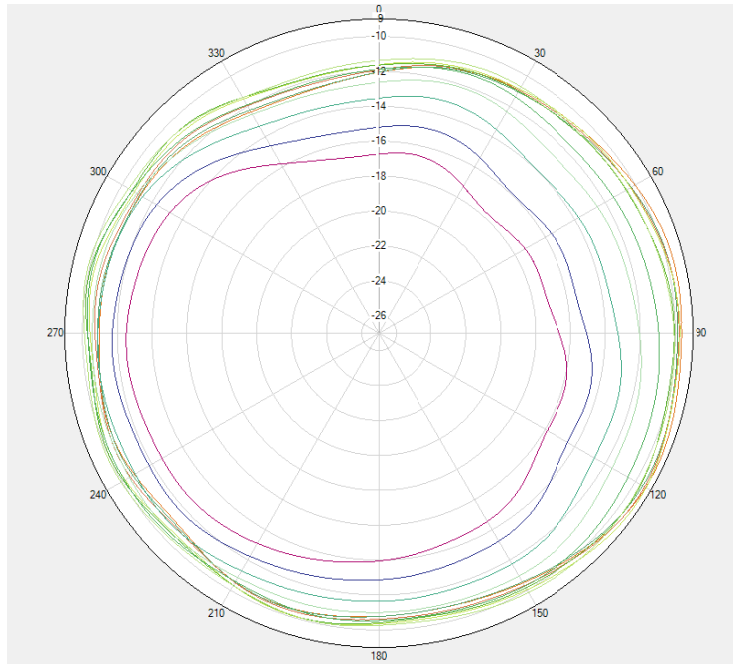
※ Antenna Gain



LTE B12/B17/ B28  $\Phi=0^\circ$

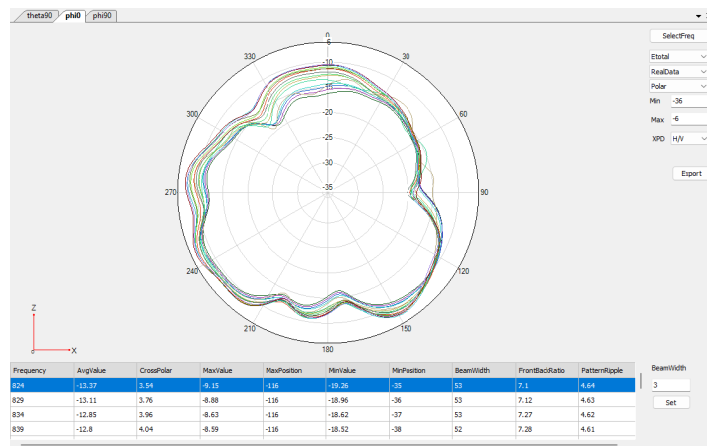


LTE B12/B17/B28  $\Phi=90^\circ$

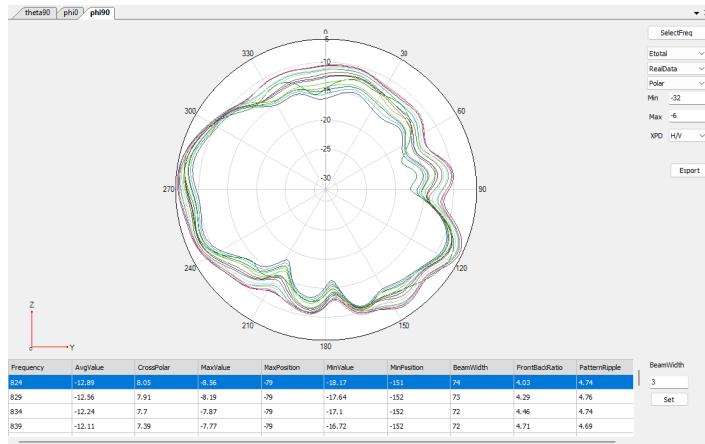


LTE B12/B7/B28 Theta=90deg

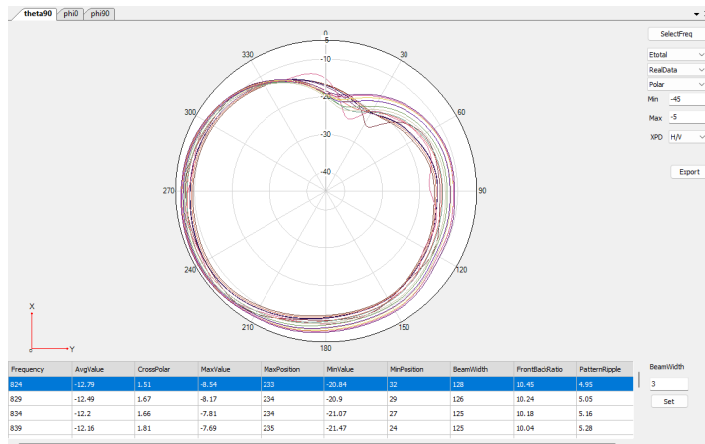
ANT1  
 ✖ Main Antenna



WCDMA B5 / LTE B5/B26/B13 Phi=0deg

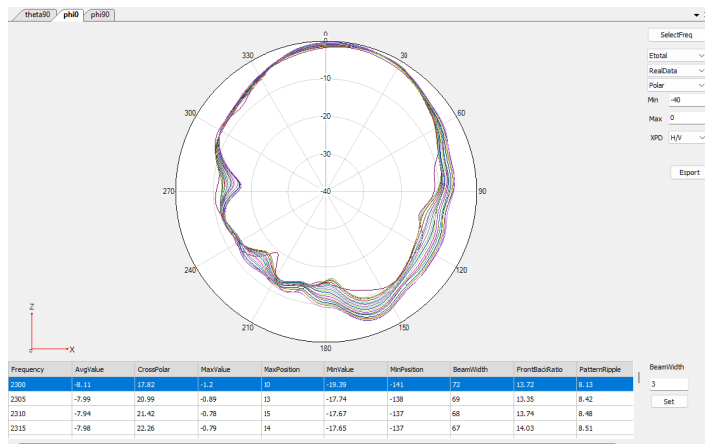


WCDMA B5 / LTE B5/B26/B13 Phi=90deg



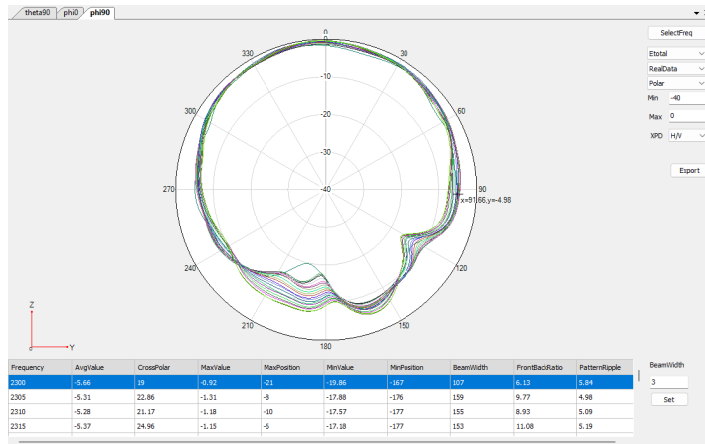
WCDMA B5 / LTE B5/B26/B13 Theta=90deg

✧ Main Antenna

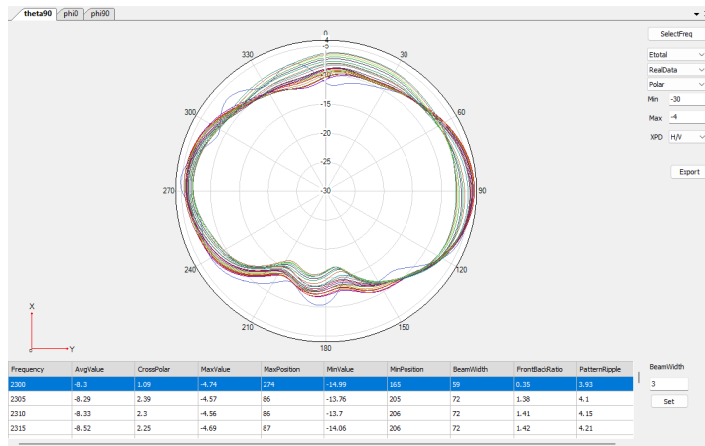


LTE B40 Phi=0deg



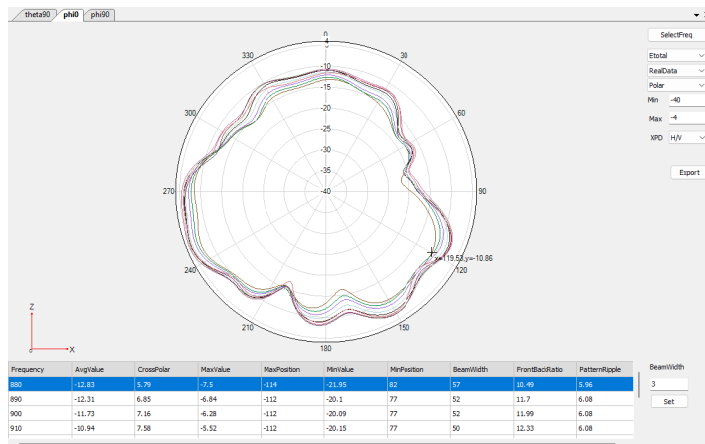


LTE B40 Phi=90deg

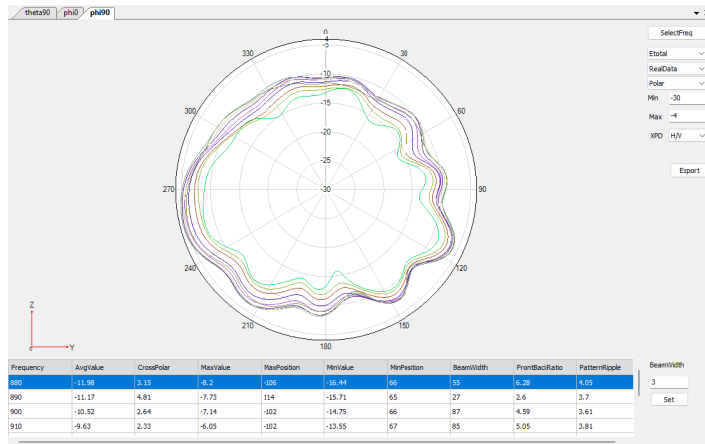


LTE B40 Theta=90deg

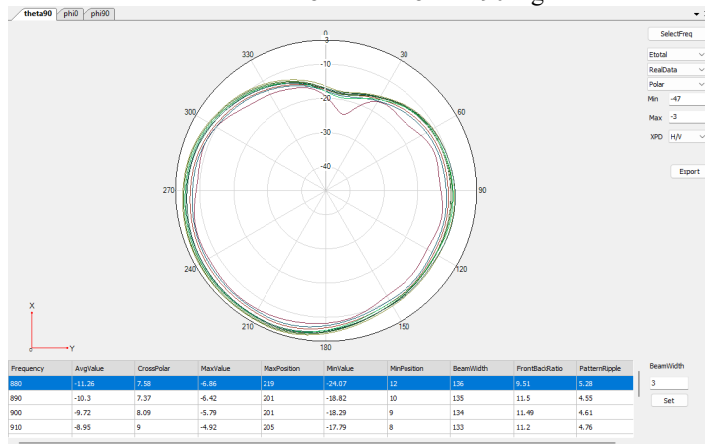
✧ Antenna Gain  
 Main Antenna



WCDMA B8 / LTE B8 Phi=0deg

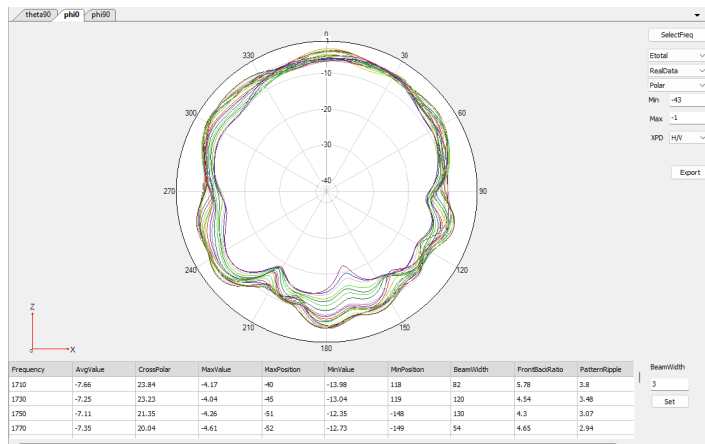


WCDMA B8 / LTE B8 Phi=90deg

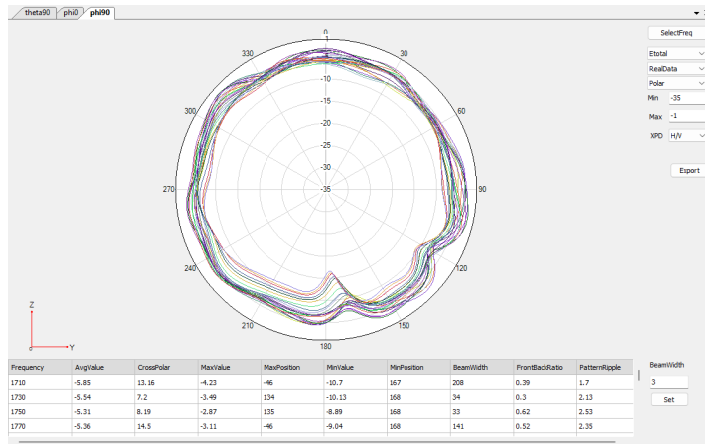


WCDMA B8 / LTE B8 Theta=90deg

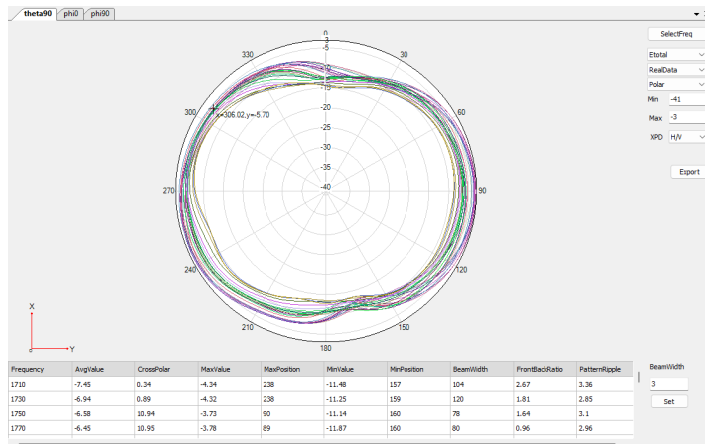
✧ Antenna Gain  
 Main Antenna



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

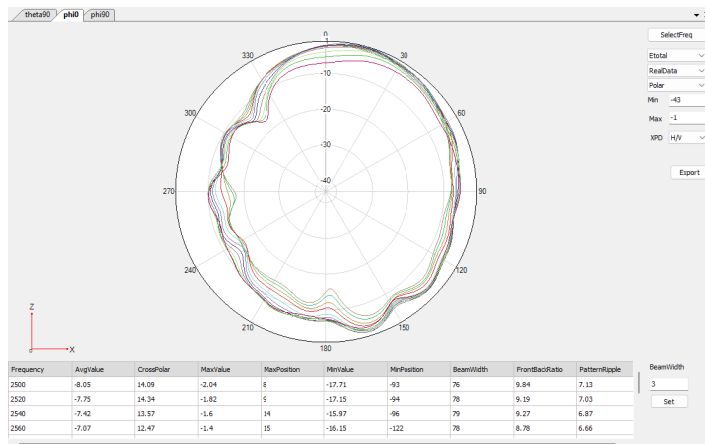


WCDMA B1/B2LTE B1/B2/B3/B4/B66 Phi=90deg

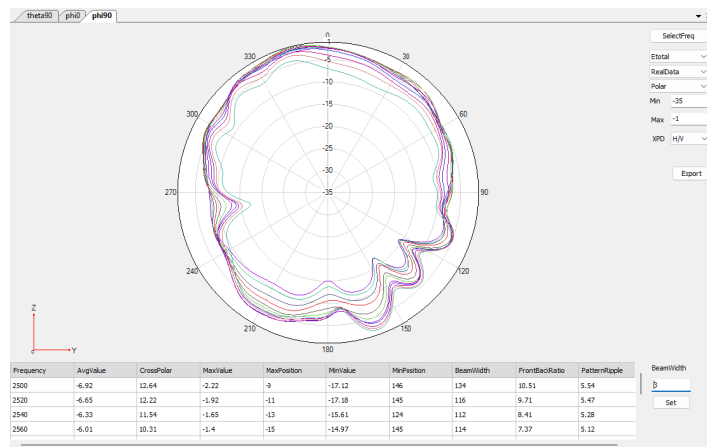


WCDMA B1/B2LTE B1/B2/B3/B4/B66Theta=90deg

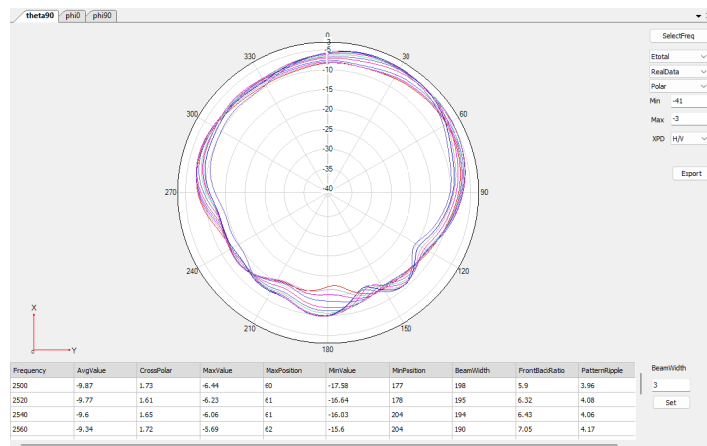
✧ Antenna Gain  
Main Antenna



LTE B7/B38/41 Phi=0deg

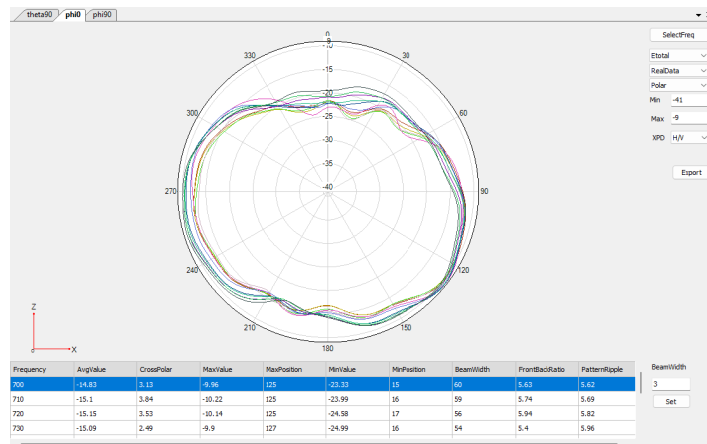


LTE B7/B38/41 Phi=90deg

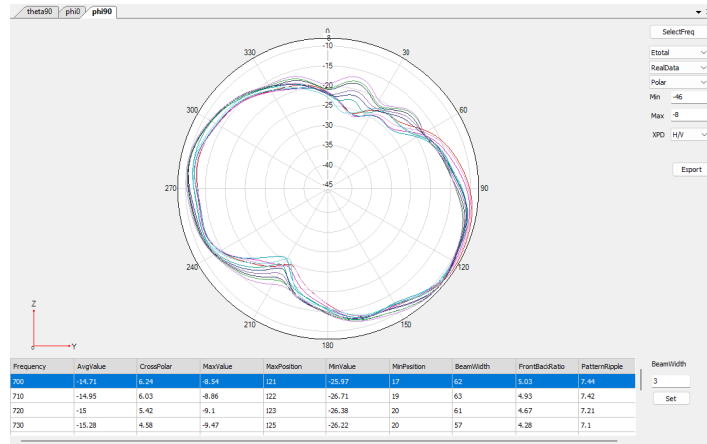


LTE B7/B38/41 Theta=90deg

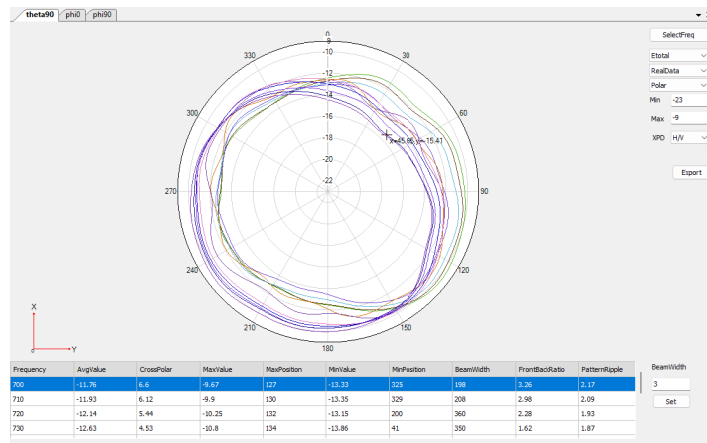
✧ Antenna Gain  
 Main Antenna



LTE B12/B17/ B28 Phi=0deg



LTE B12/B17/B28 Phi=90deg



LTE B12/B7/B28 Theta=90deg

Antenna Location:

