



Feature

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

Main Antenna

Application

※GSM850/900/DCS/PCS/WCDMAB1/B2/B4/B5/B8
LTEB1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28/B38/B40/B41/B66communication
applications

Name and address of the antenna manufacturer	Model number of the antenna
惠州硕贝德无线科技股份有限公司 惠州市仲恺高新区东江高新科技产业园惠泽大道 138 号 Huizhou SPEED Wireless Technology Co., Ltd No. 138, Huize Avenue, Dongjiang High-tech Industrial Park, Zhongkai High-tech Zone, Huizhou City	ANT1 ANT2 ANT3 ANT4 ANT5

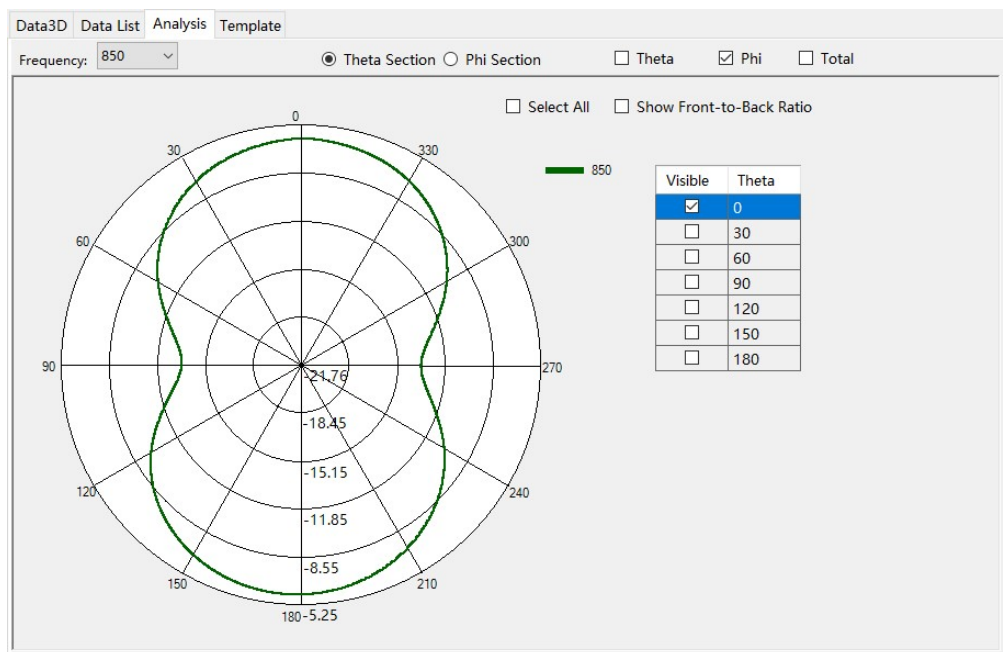
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5: 824 – 849 MHz
	GSM 900/WCDMA B8/LTE B8: 880 – 915 MHz
	DCS /WCDMA B4/LTE B3/B4/B66: 1710 – 1785 MHz
	PCS/WCDMA B2/LTE B2:1850-1910MHz
	WCDMA B1/LTE B1: 1920 – 1980MHz
	LTE B7:2500-2570MHz
	LTE B40:2300-2400MHz
	LTE B38:2570-2620MHz
	LTE B41:2496-2690MHz
	LTE B20:832-862MHz
	LTE B12:699-716MHz
	LTE B17:704-716MHz
	LTE 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 B38:2570-2620MHz
	LTE B41:2496-2690MHz
	LTE B20:791-821MHz
	LTE B12:729-746MHz
	LTE B17:734-746MHz
	LTE B28:758-803MHz
Main Antenna Gain (Peak Gain)	GSM 850/WCDMA B5/LTE B5: -4.08dBi
	GSM 900/WCDMA B8/LTE B8: -3.47dBi
	DCS/WCDMA B4/ LTE B3/B4/B66: -1.69dBi
	PCS/WCDMA B2/LTE B2: -4.6dBi
	WCDMA B1/LTE B1: -5.29dBi
	LTE B7/B38/B41: 1.17dBi
	LTE B40: -0.43dBi
	LTE B20:-4.08dBi
	LTE B12/B17/B28:-6.02dBi



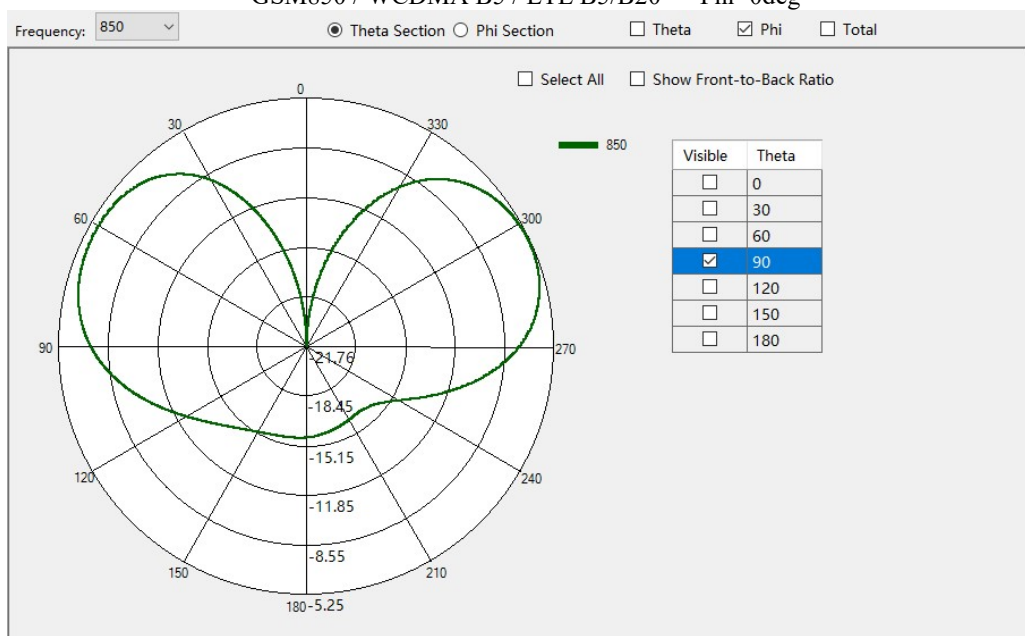
Wi-Fi/Bluetooth Chain 0 Antenna	BT/2.4G Wi-Fi:-0.36dBi, 5G Wi-Fi:- 0.81dBi
Wi-Fi/Bluetooth Chain 1 Antenna	BT/2.4G Wi-Fi:1.2dBi, 5G Wi-Fi:- 0.9dBi

※ Antenna Gain

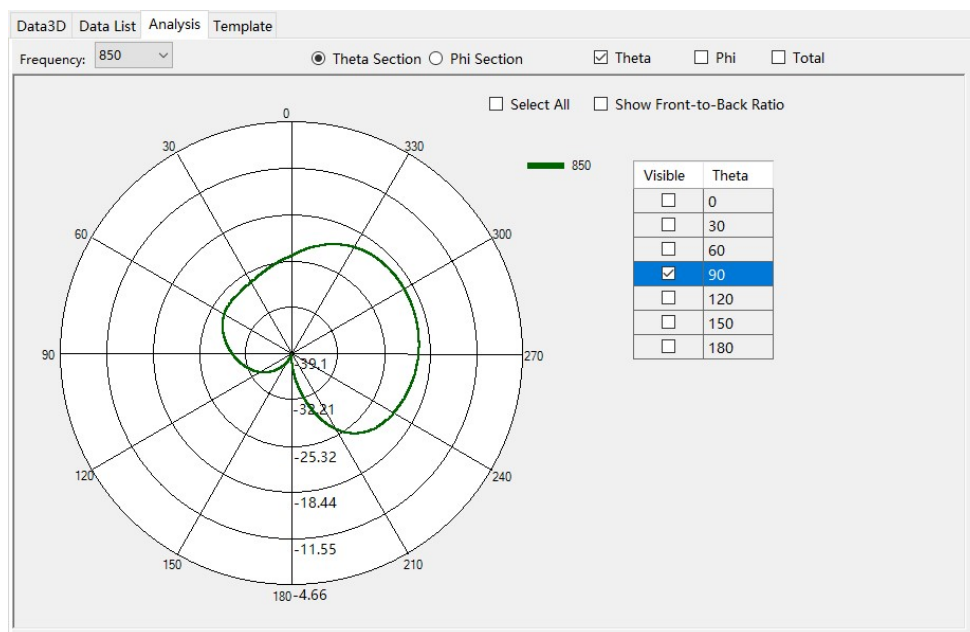
Main Antenna



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



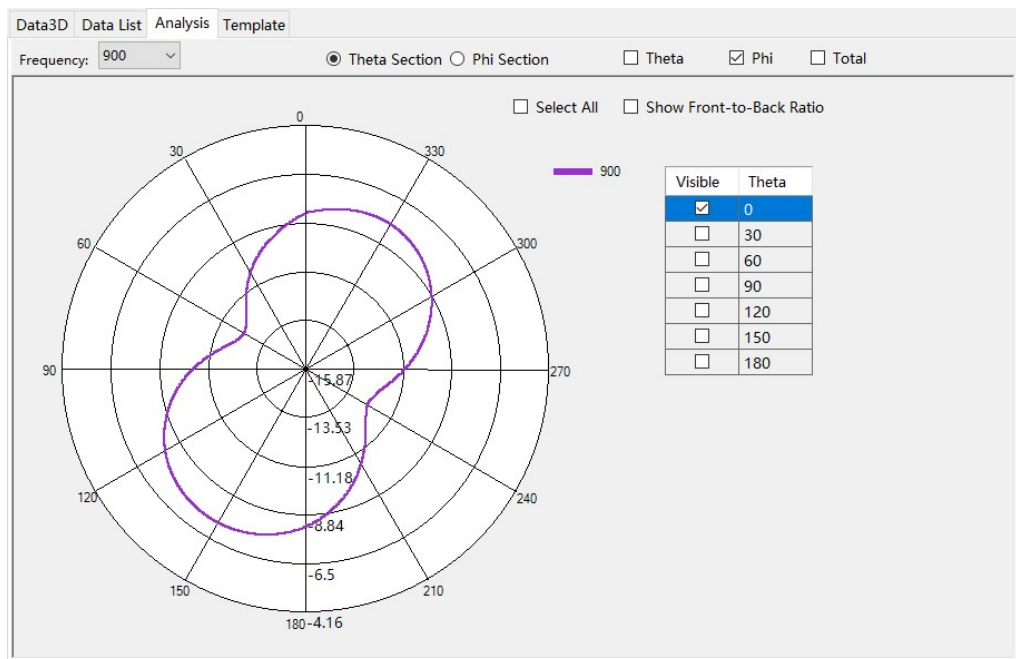
GSM850 / WCDMA B5 / LTE B5/B20 Phi=90deg



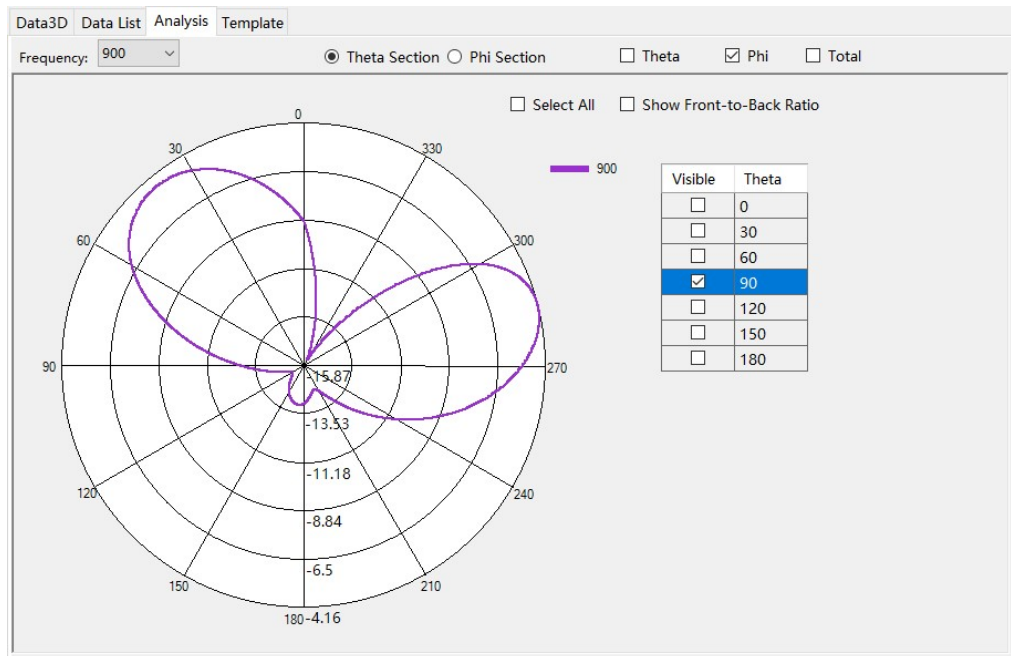
GSM850 / WCDMA B5 / LTE B5/B20 Theta=90deg

※ Antenna Gain

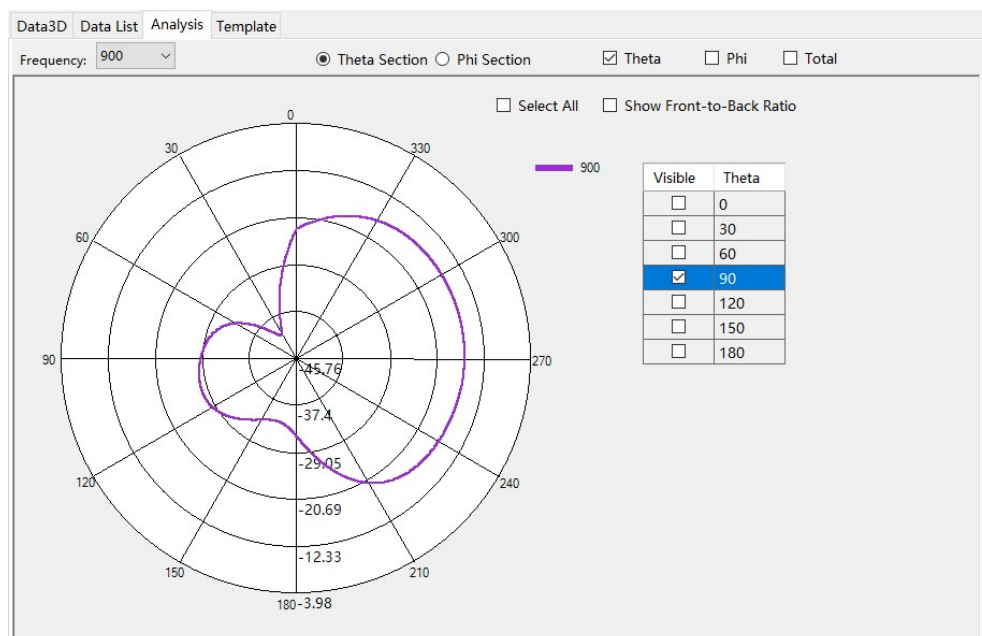
Main Antenna



LTE B8 G900 W8 Phi=0deg



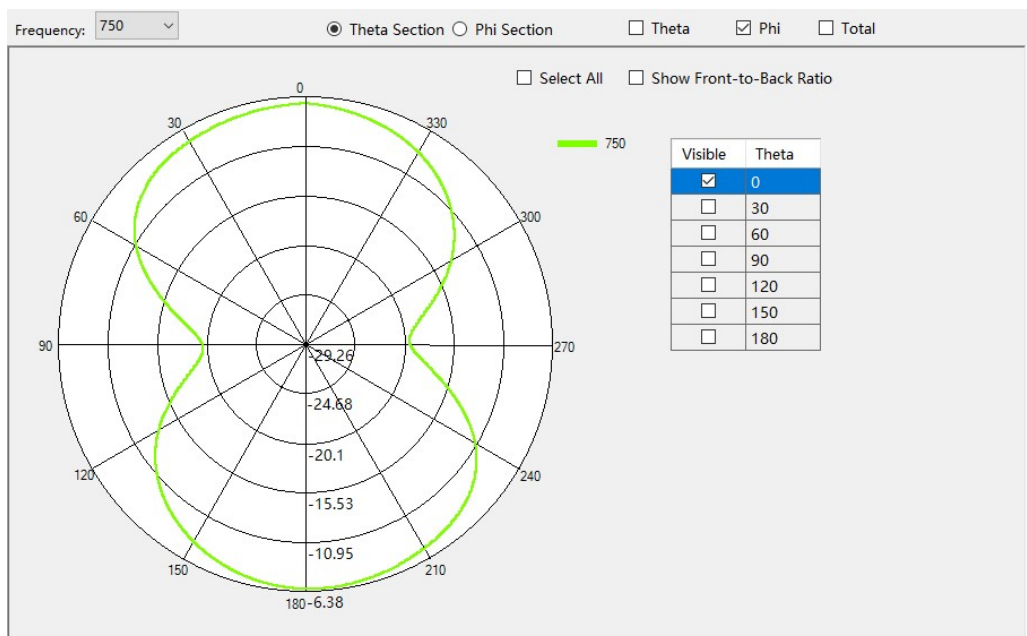
LTE B8 G900 W8Phi=90deg



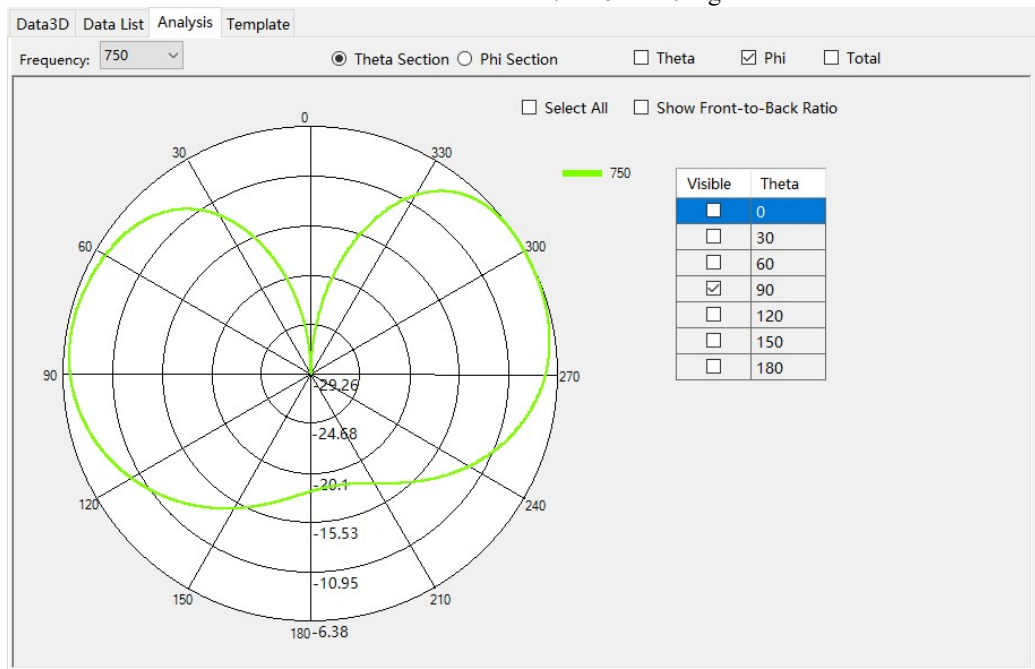
LTE B8 G900 W8 Theta=90deg

※ Antenna Gain

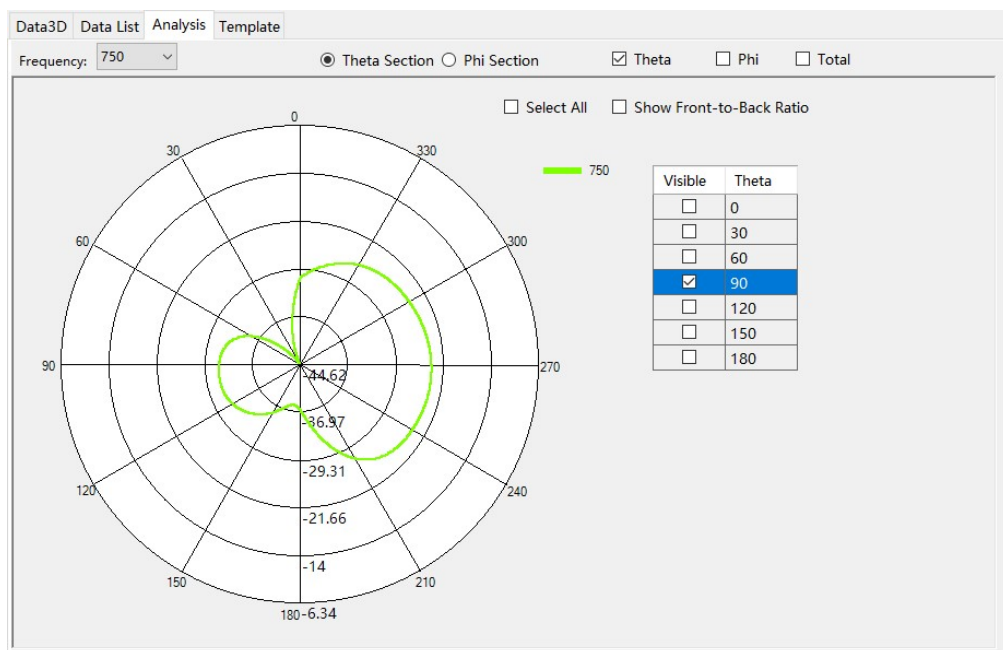
Main Antenna



LTE B12/B17/B28 Phi=0deg



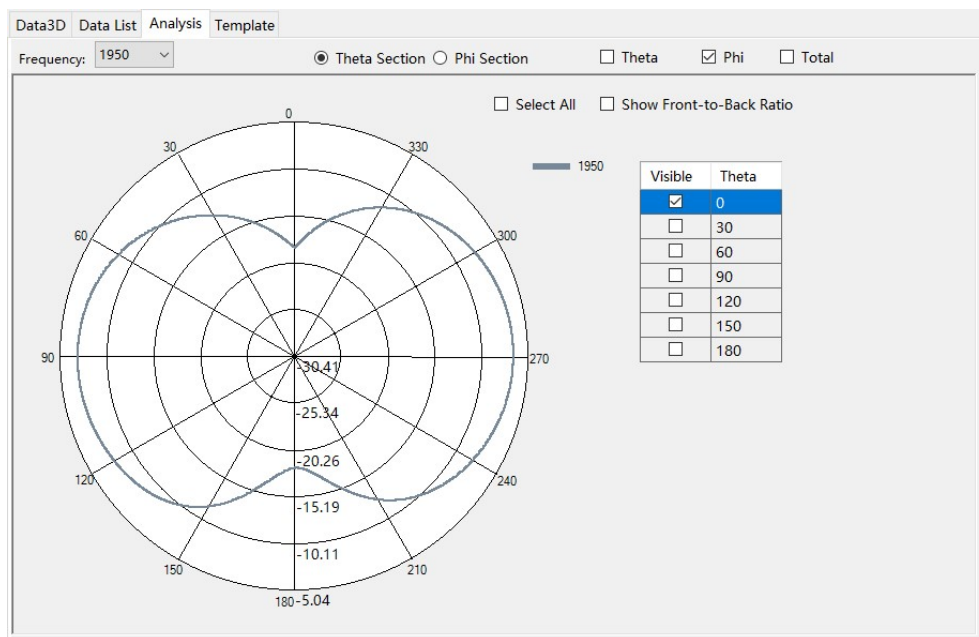
LTE B12/B17/B28 Phi=90deg



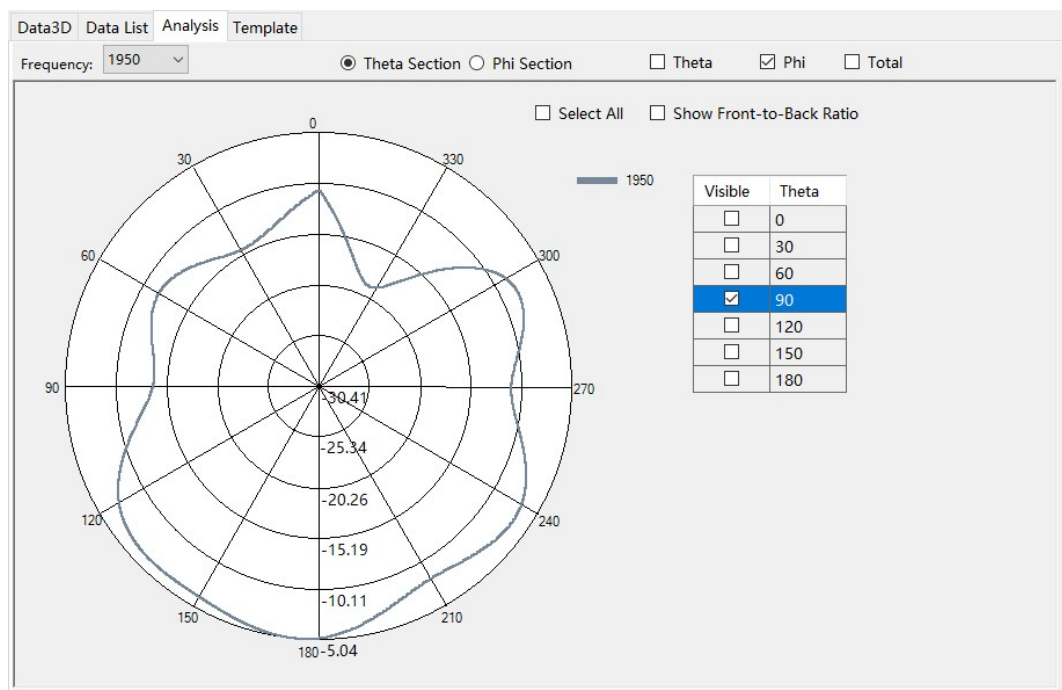
LTE B12/B17/B28 Theta=90deg

※ Antenna Gain

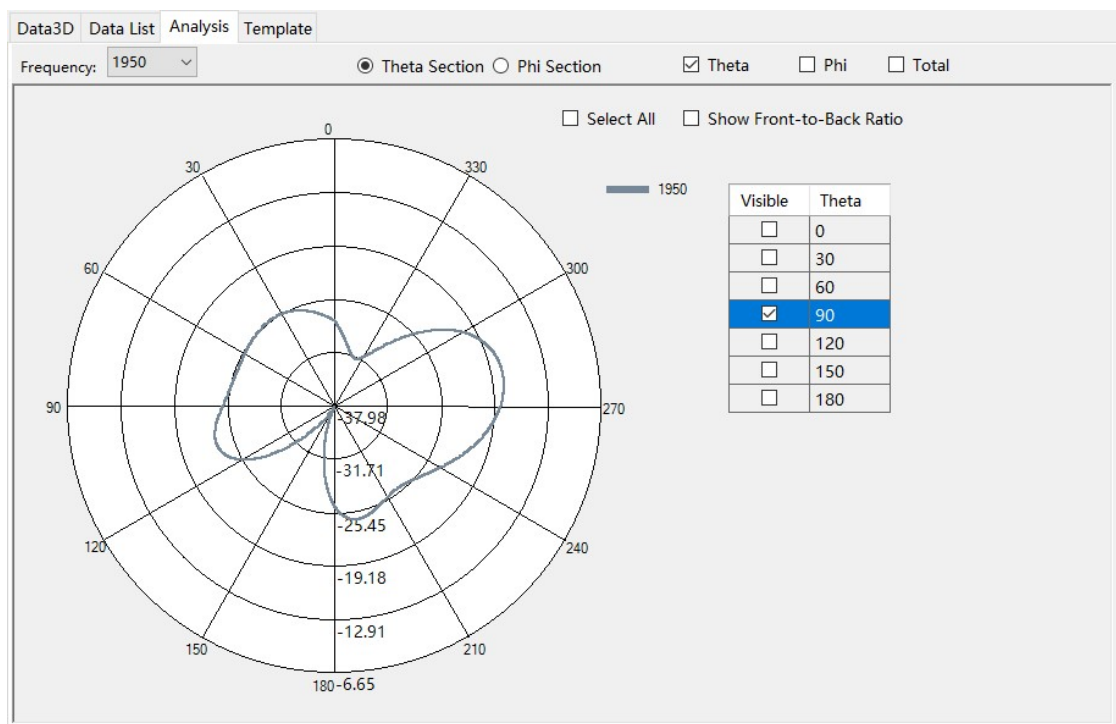
Main Antenna



LTE B1 Phi=0deg



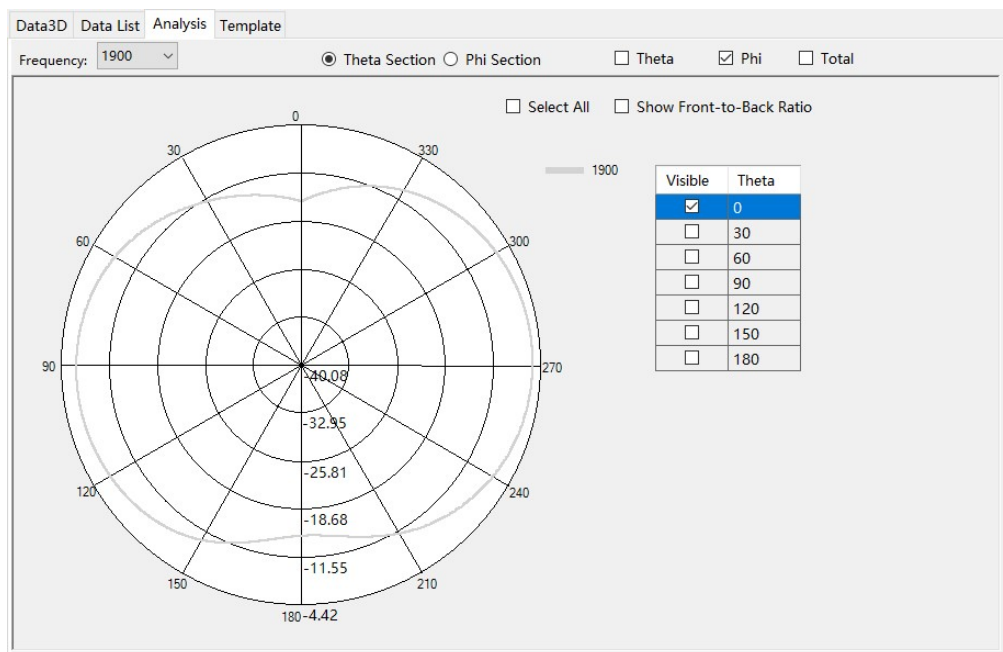
LTE B1 Phi=90deg



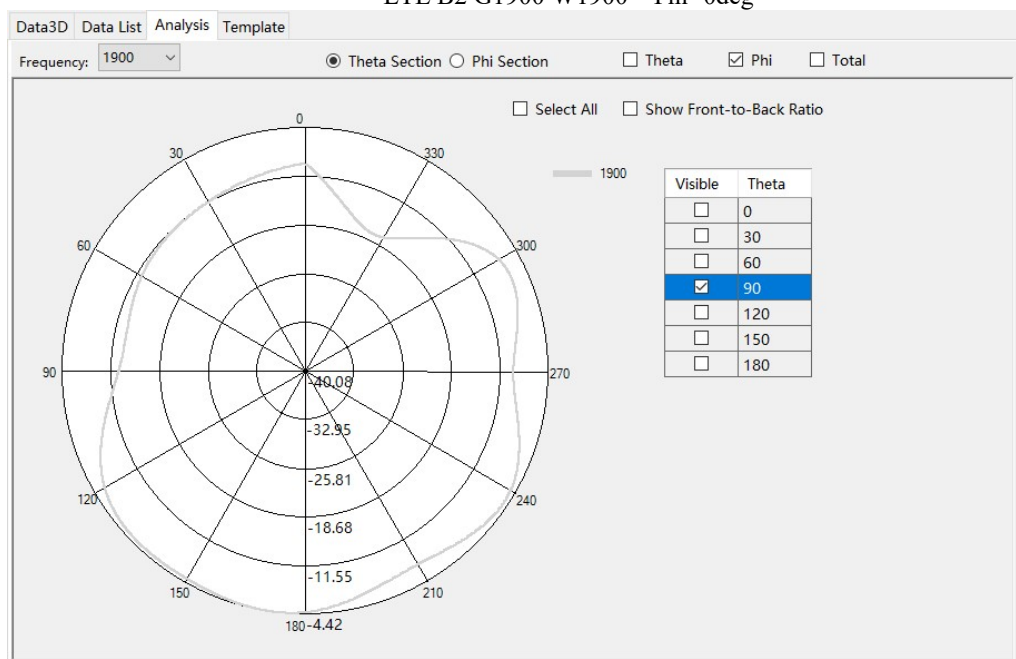
LTE B1 Theta=90deg

※ Antenna Gain

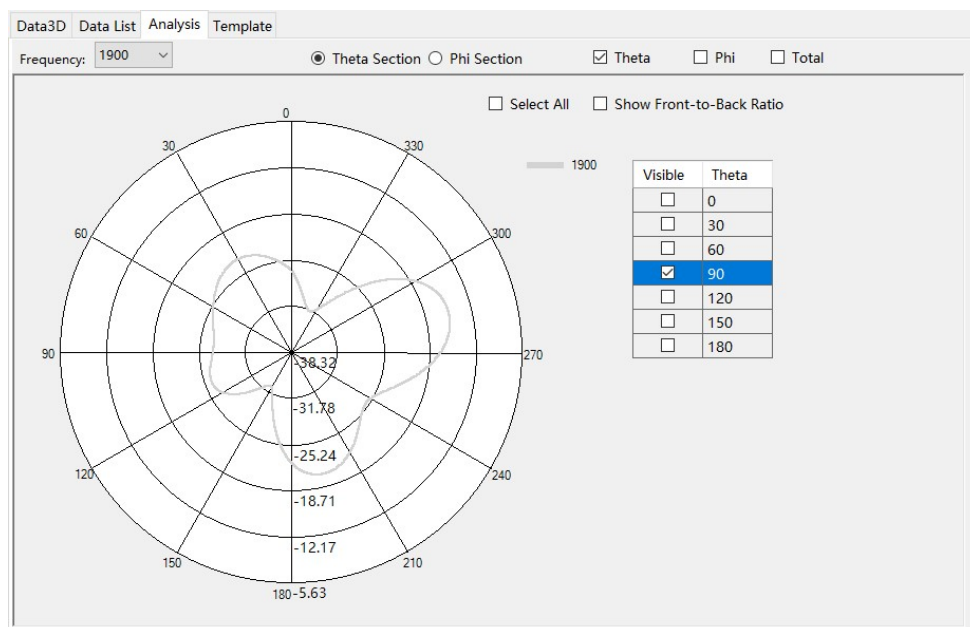
Main Antenna



LTE B2 G1900 W1900 Phi=0deg



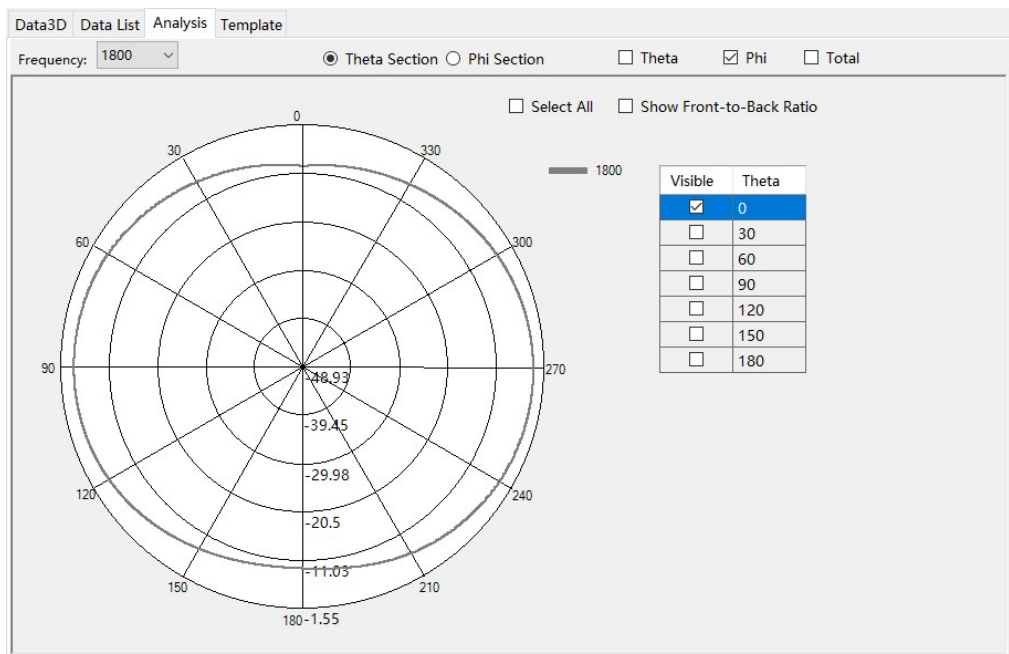
LTE B2 G1900 W1900 Phi=90deg



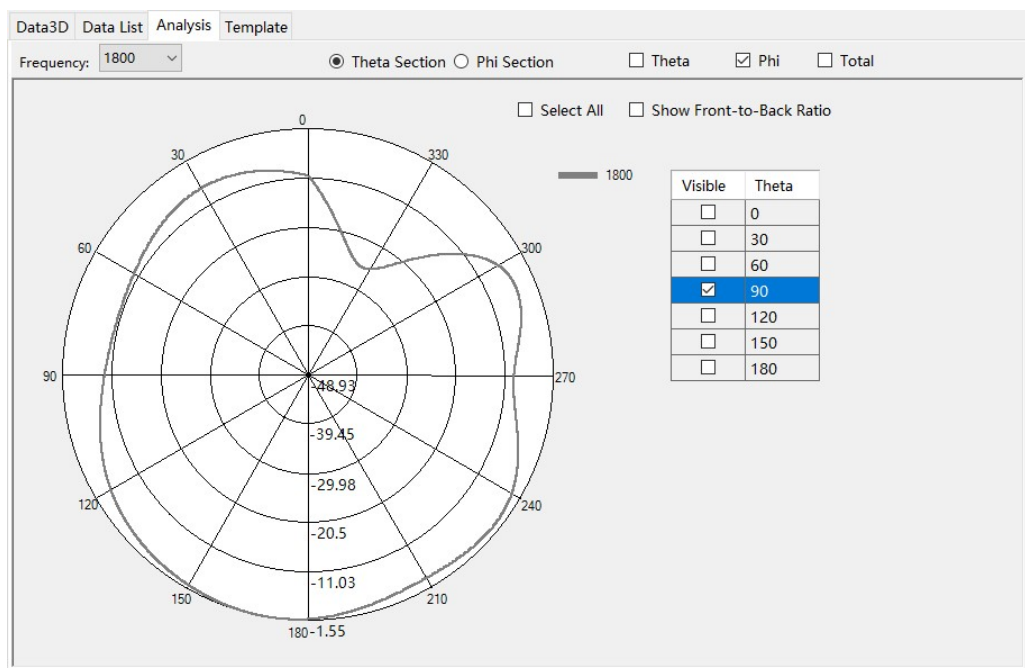
LTE B2 G1900 W1900 Theta=90deg

※ Antenna Gain

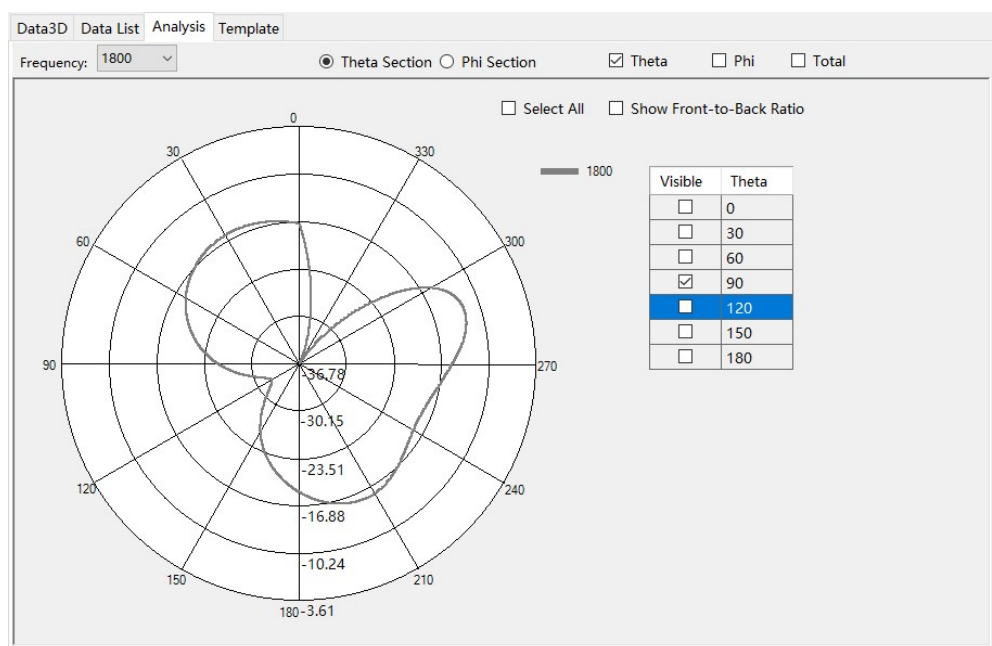
Main Antenna



LTE B3 G1800 Phi=0deg



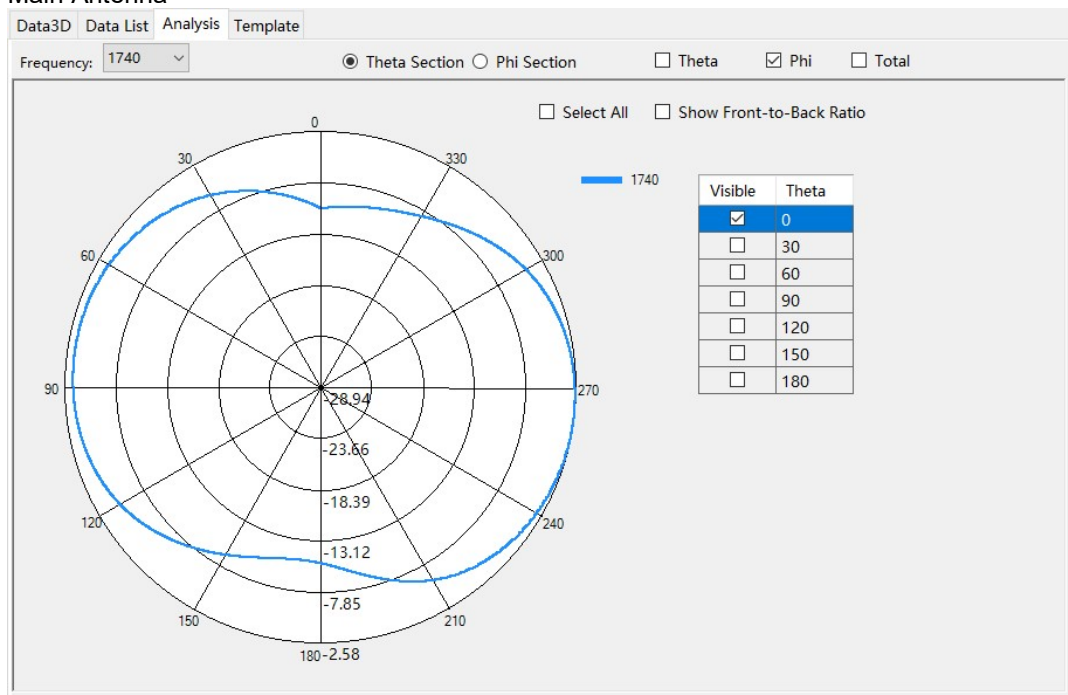
LTE B3 G1800 Phi=90deg



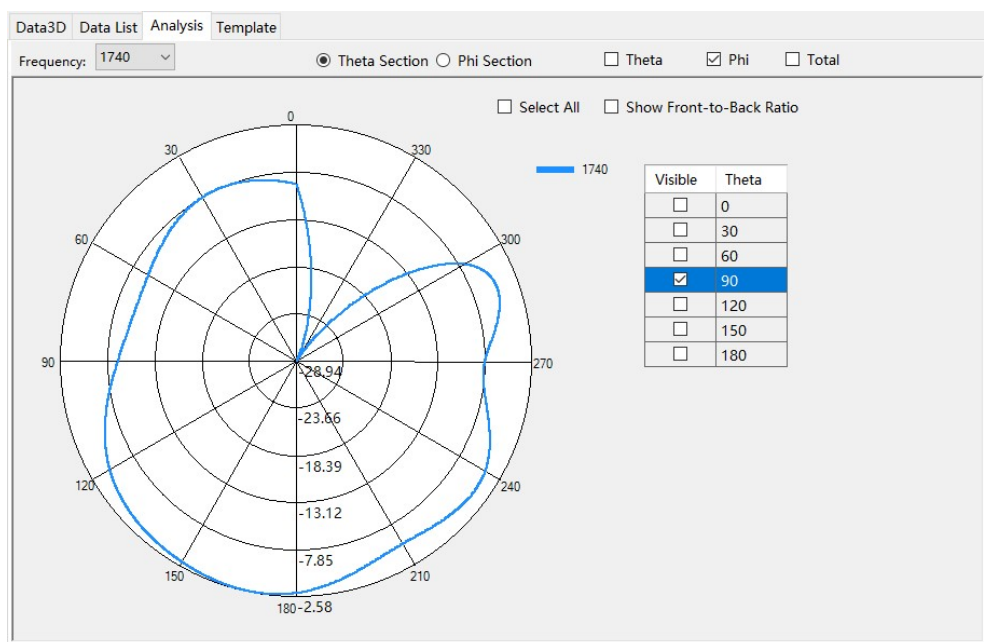
LTE B3 G1800 Theta=90deg

※ Antenna Gain

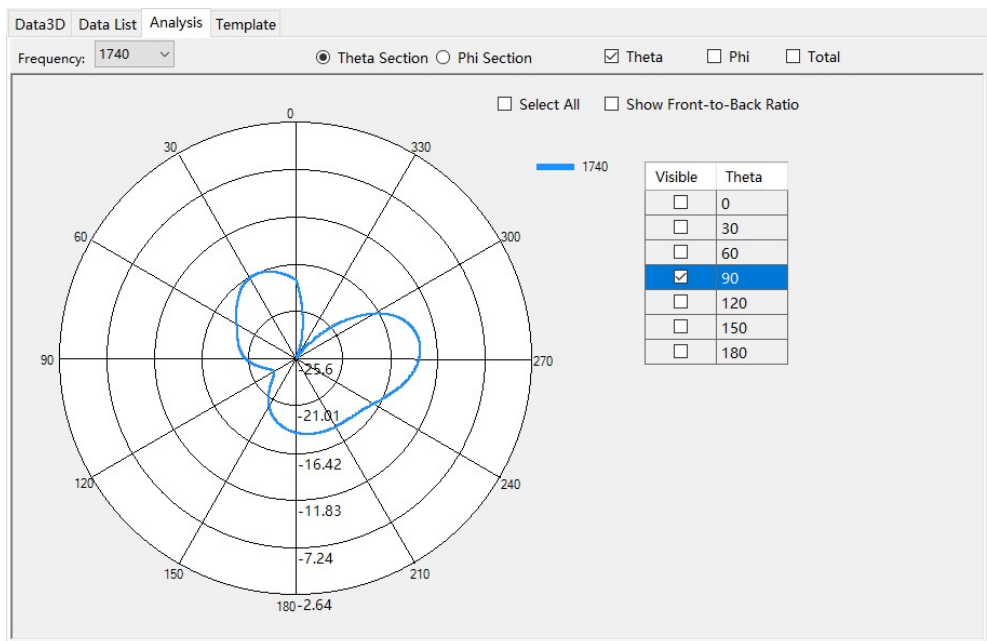
Main Antenna



LTE B4 66 Phi=0deg

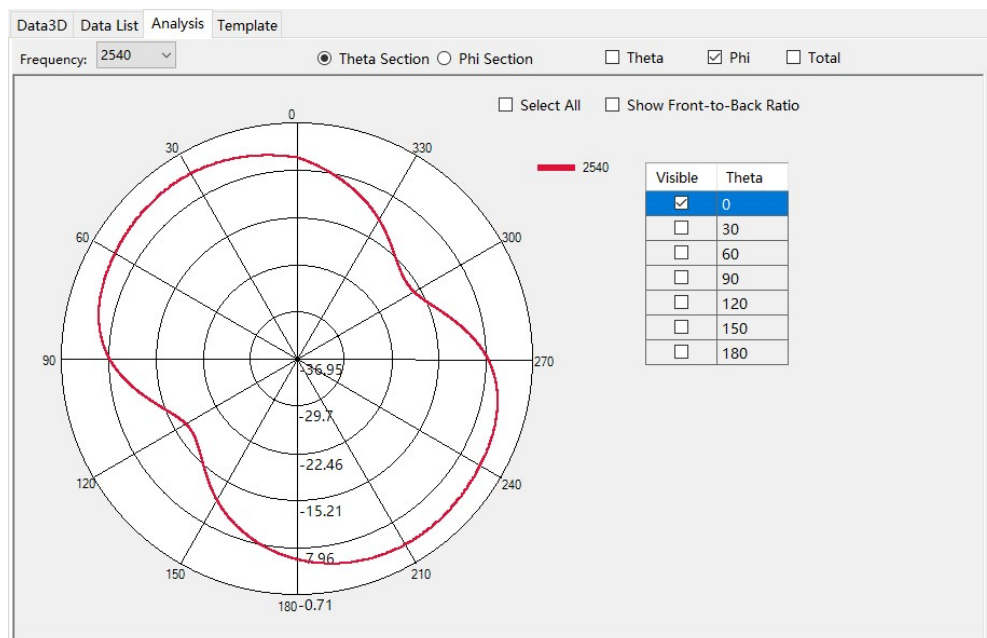


LTE B4 66 Phi=90deg

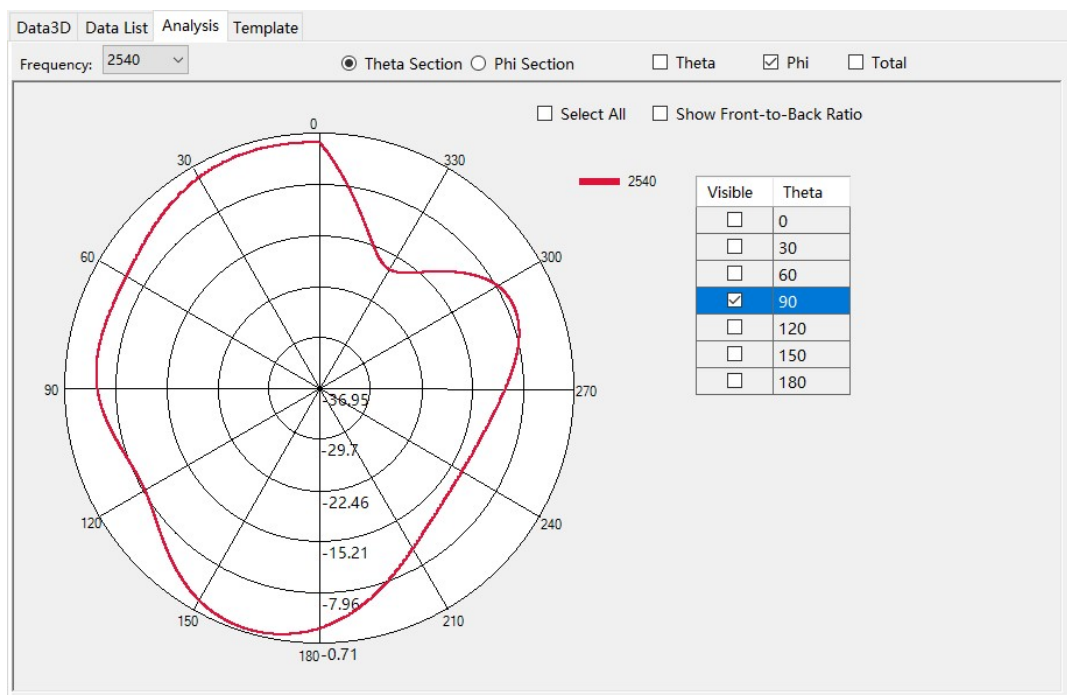


LTE B4 66 Theta=90deg

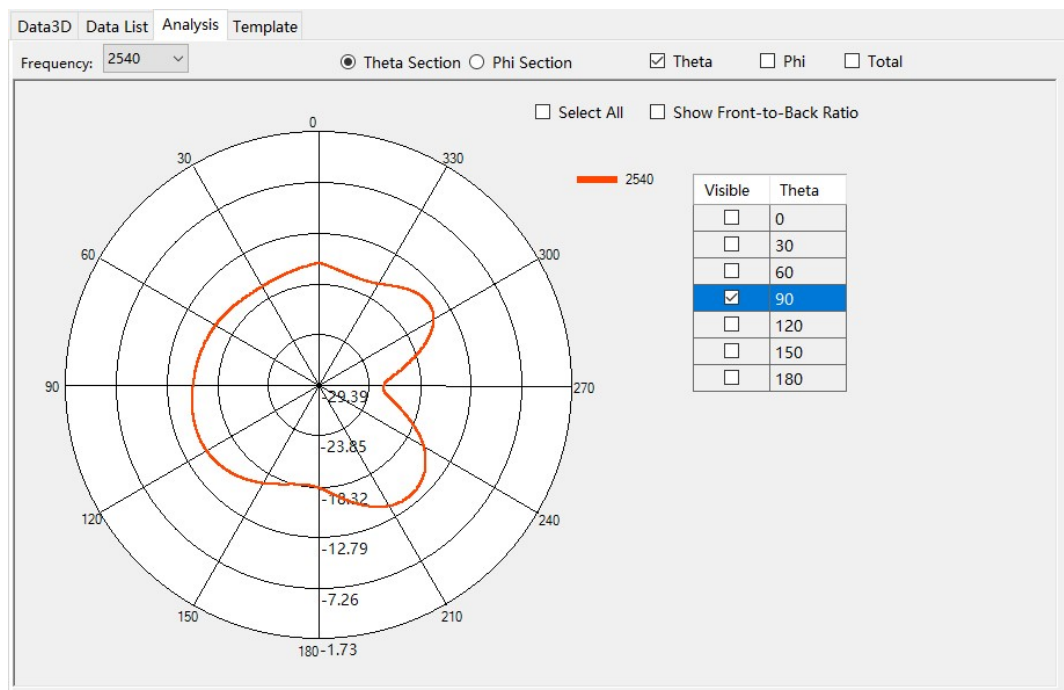
※ Antenna Gain
Main Antenna



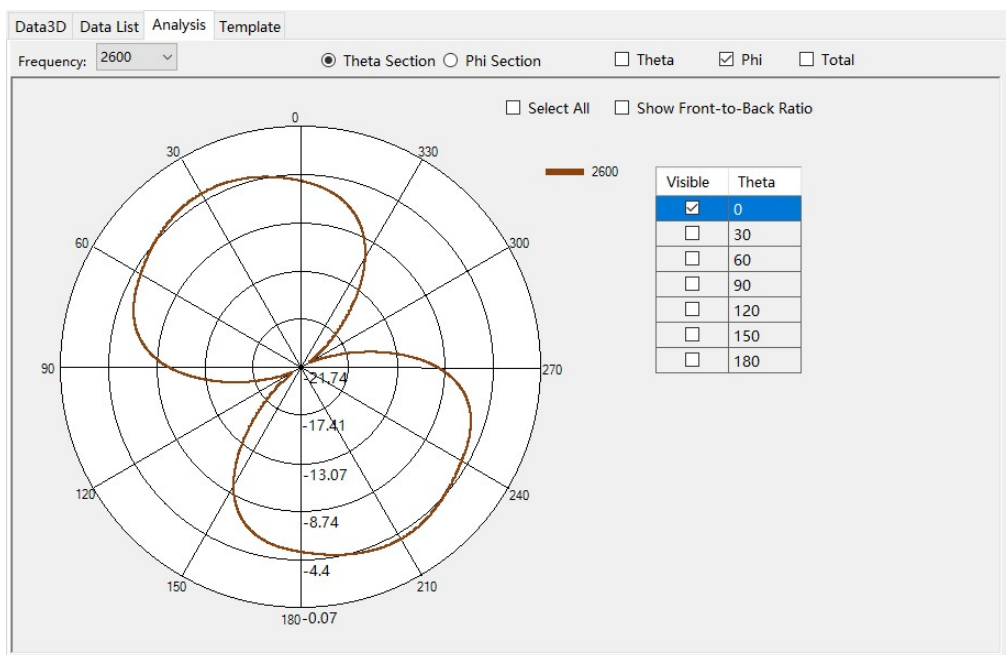
LTE B7 Phi=0deg



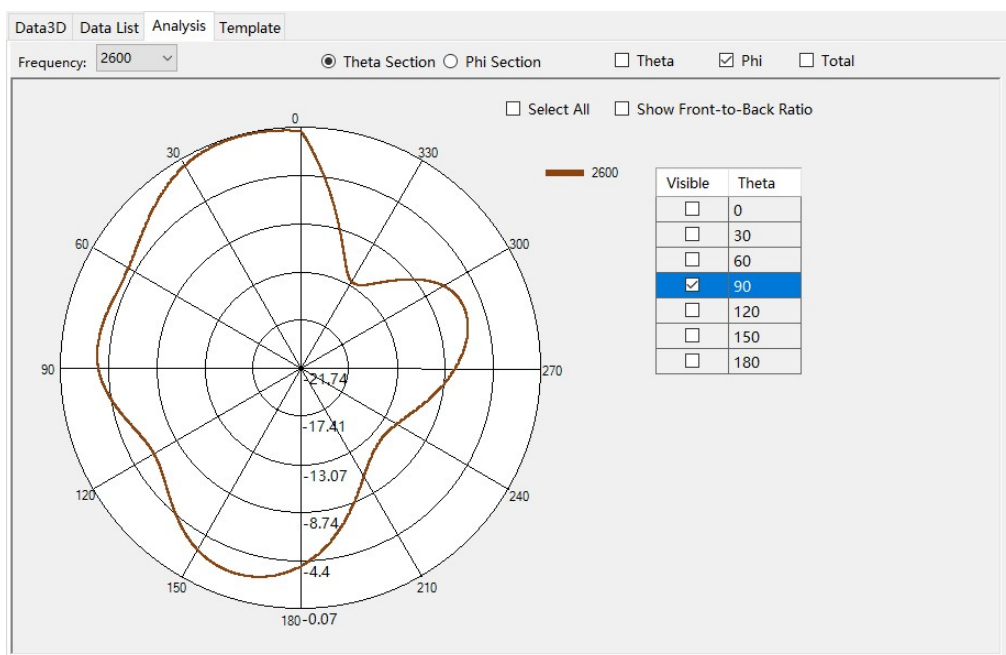
LTE B7 Phi=90deg



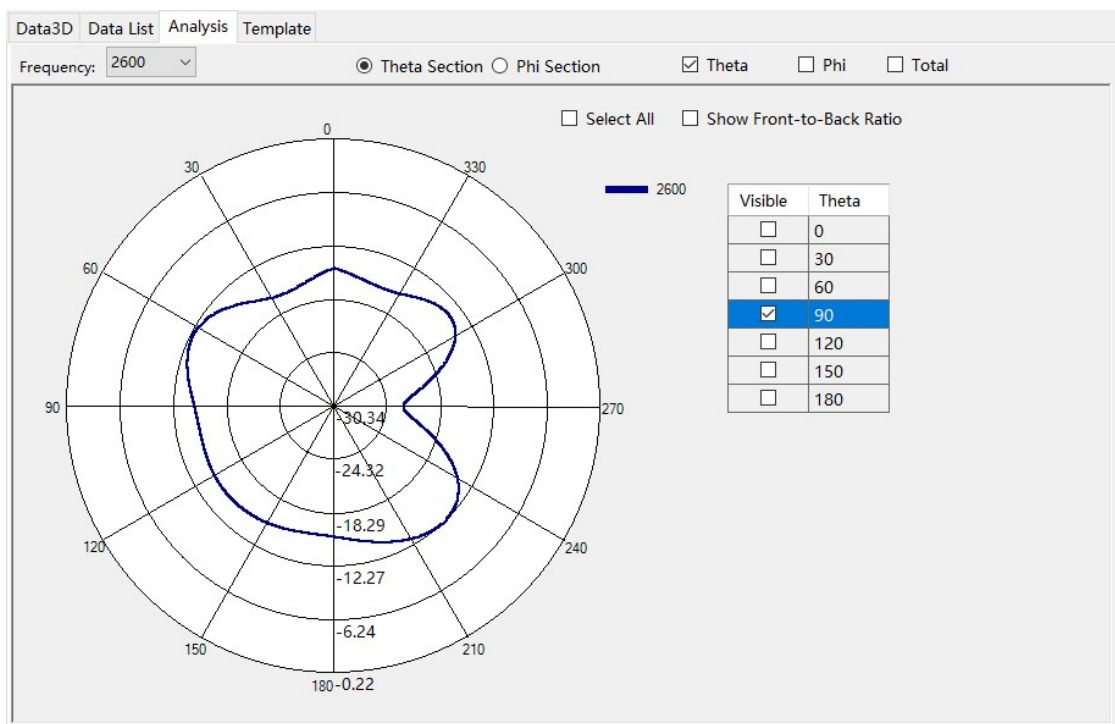
LTE B7 Theta=90deg



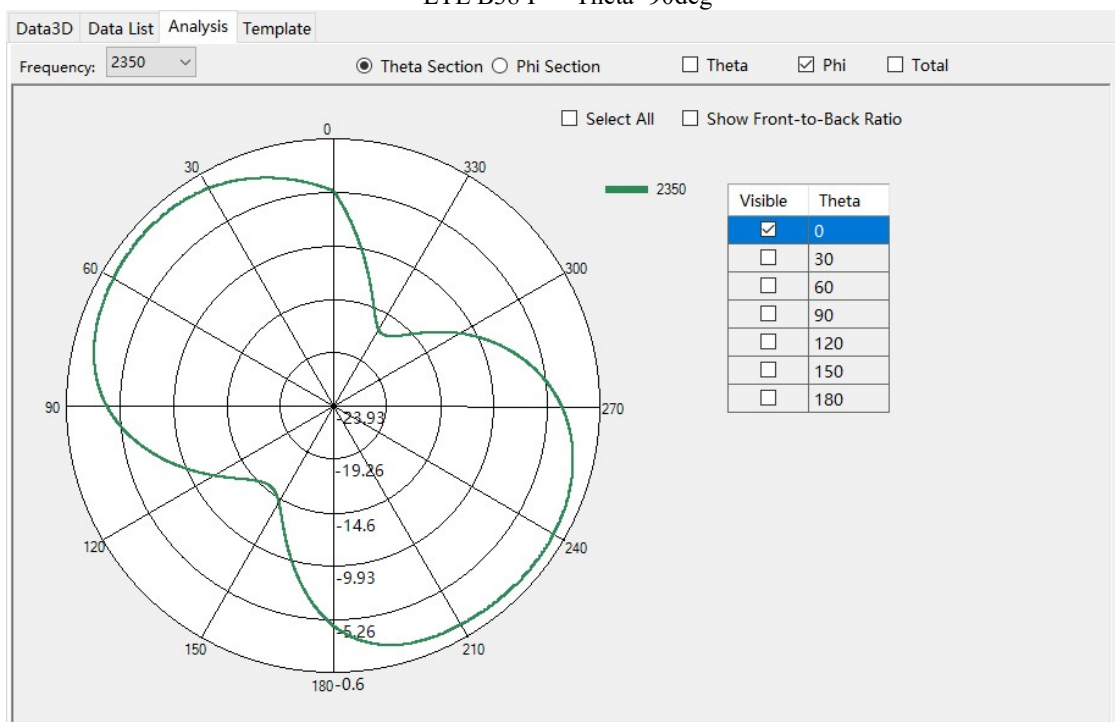
LTE B38 Phi=0deg



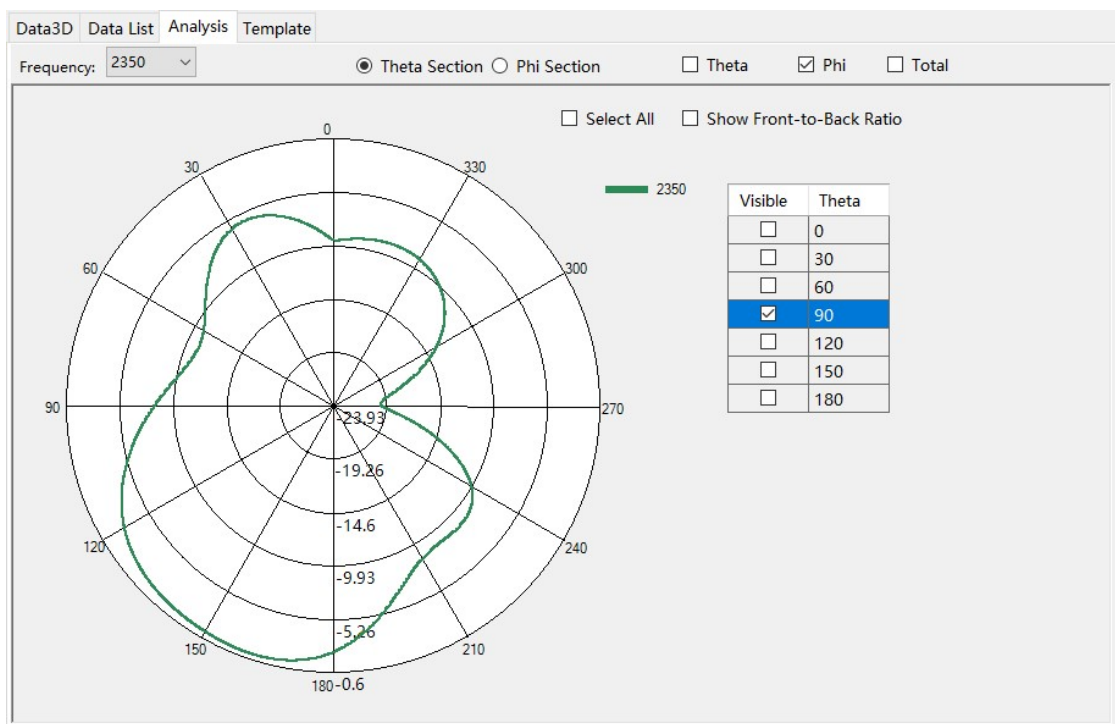
LTE B38 Phi=90deg



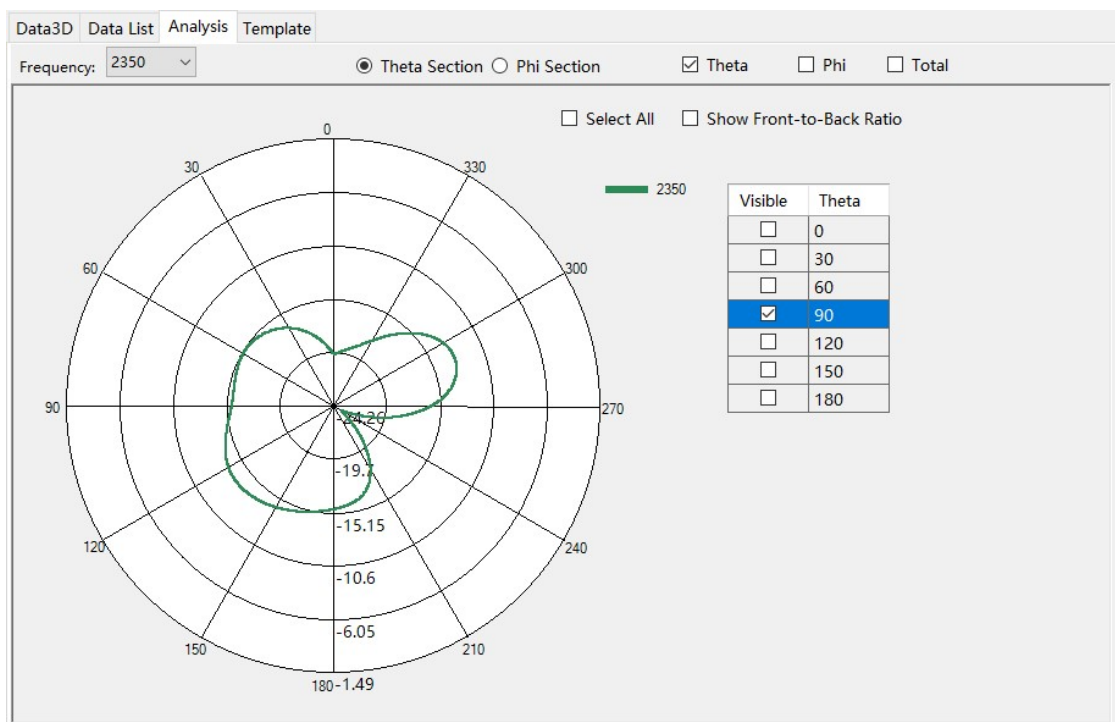
LTE B38 I Theta=90deg



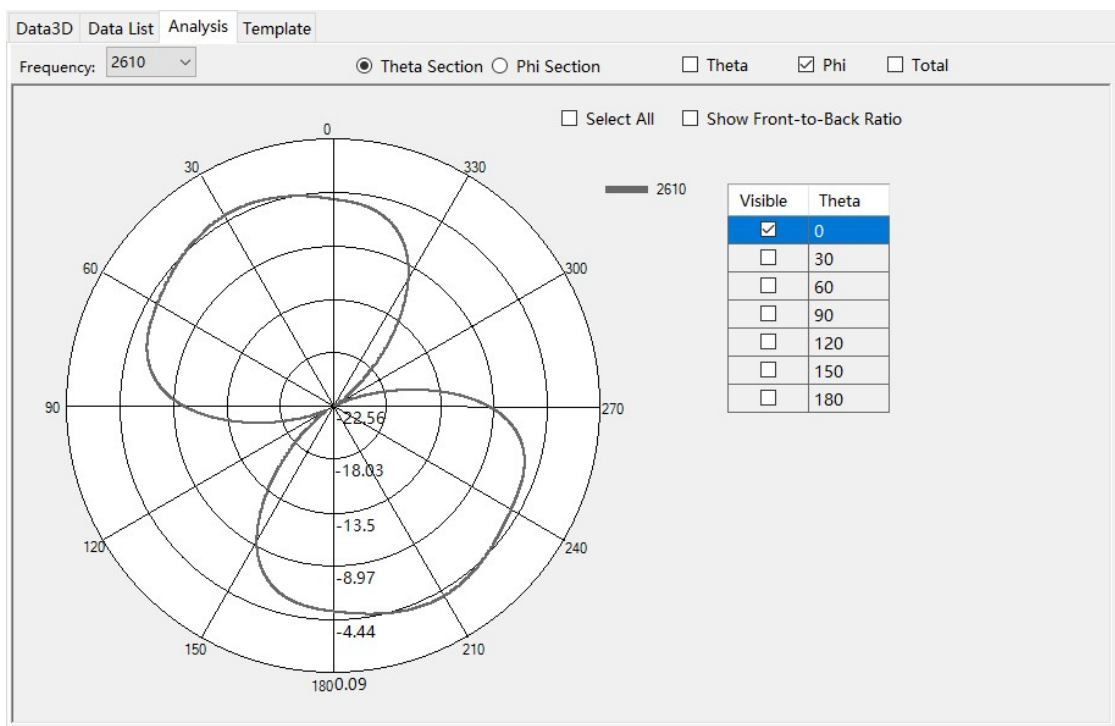
LTE B40 Phi=0deg



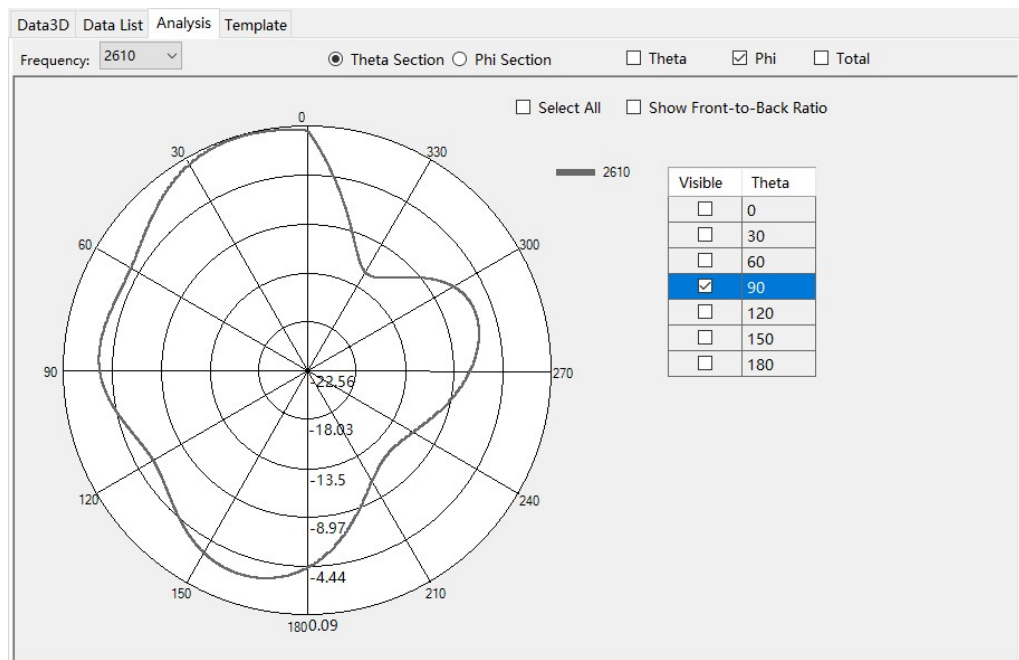
LTE B40 Phi=90deg



LTE B40 Theta=90deg



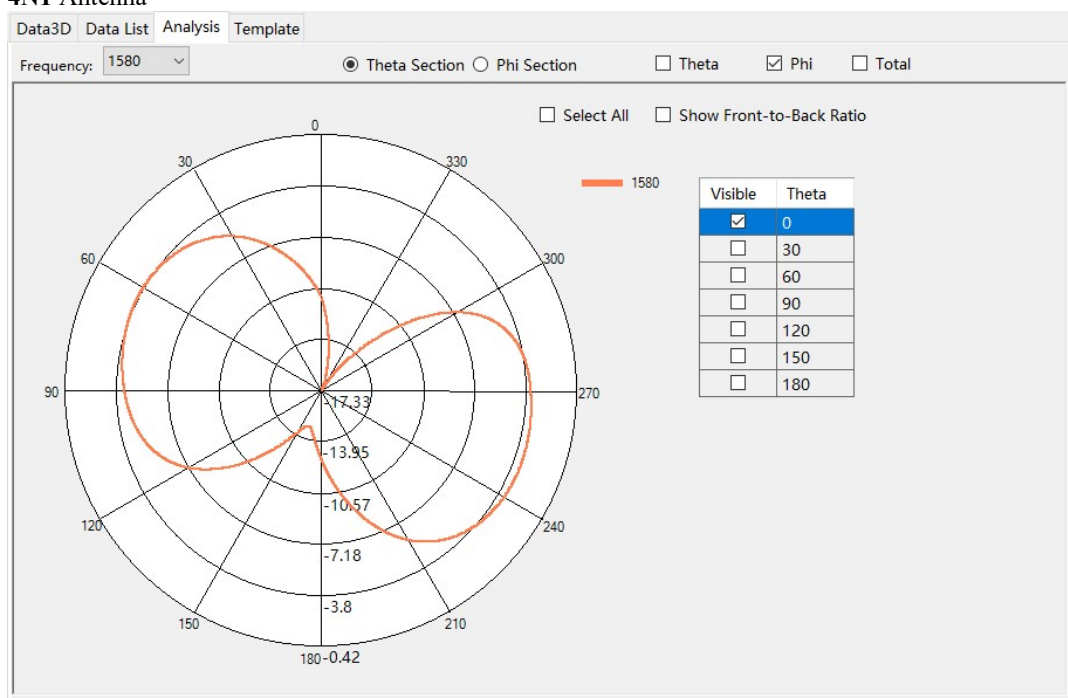
LTE B41 Phi=0deg



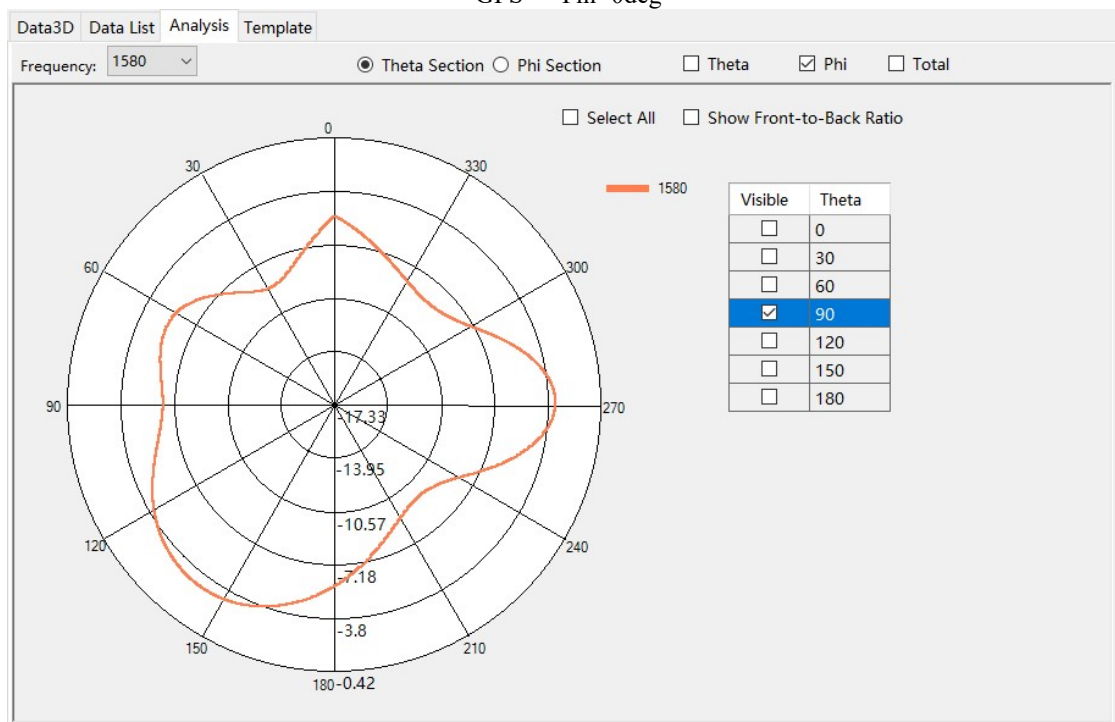
LTE B41 Phi=90deg

※ Antenna Gain

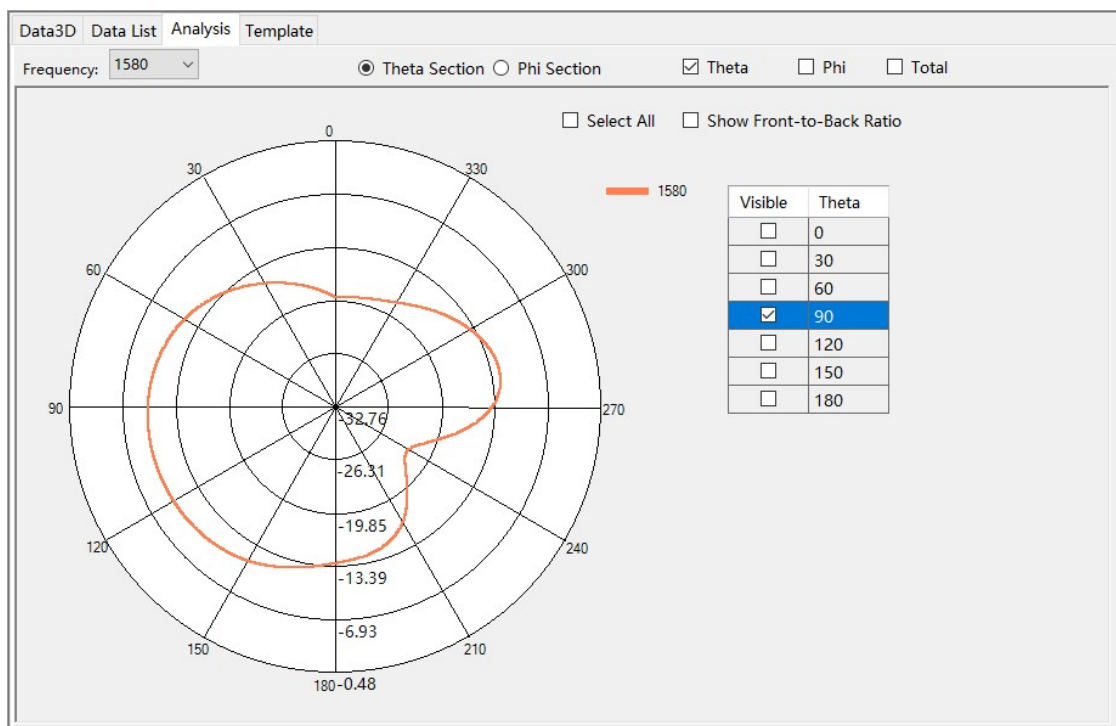
4N1 Antenna



GPS Phi=0deg

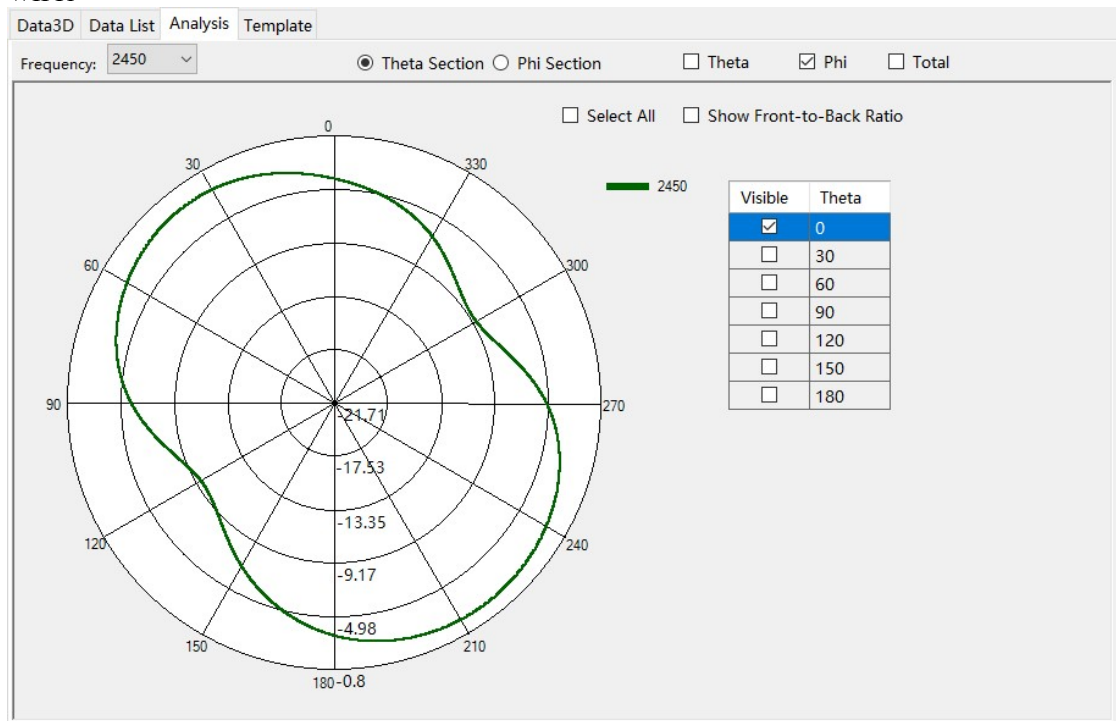


GPS Phi=90deg

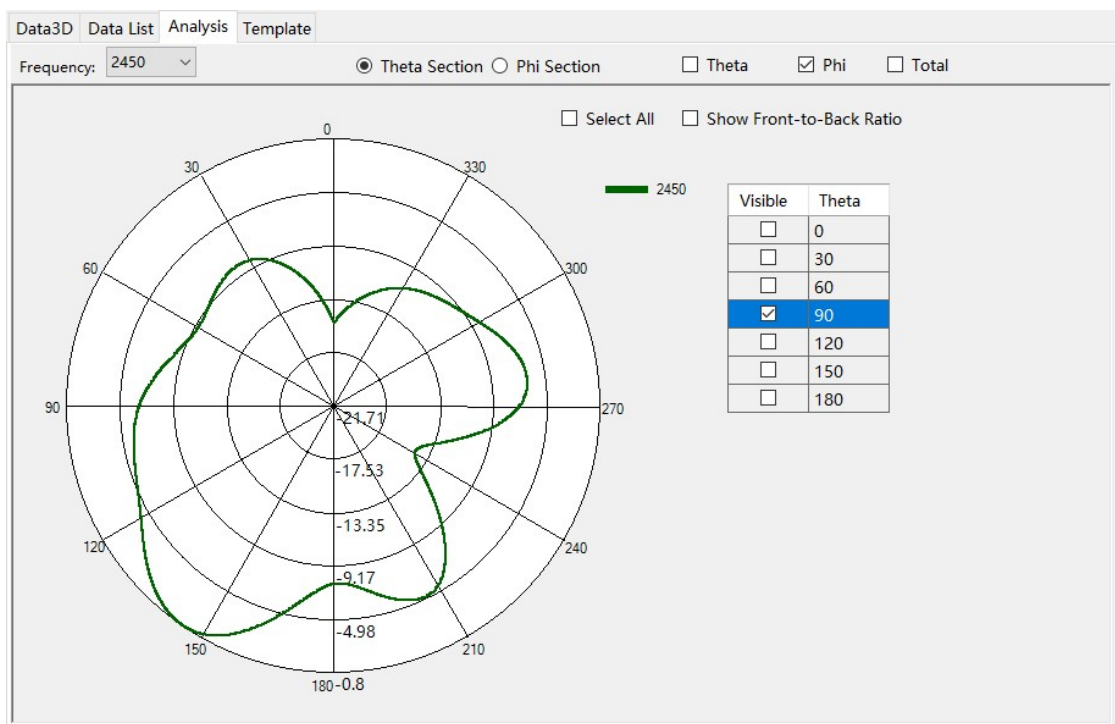


GPS Theta=90deg

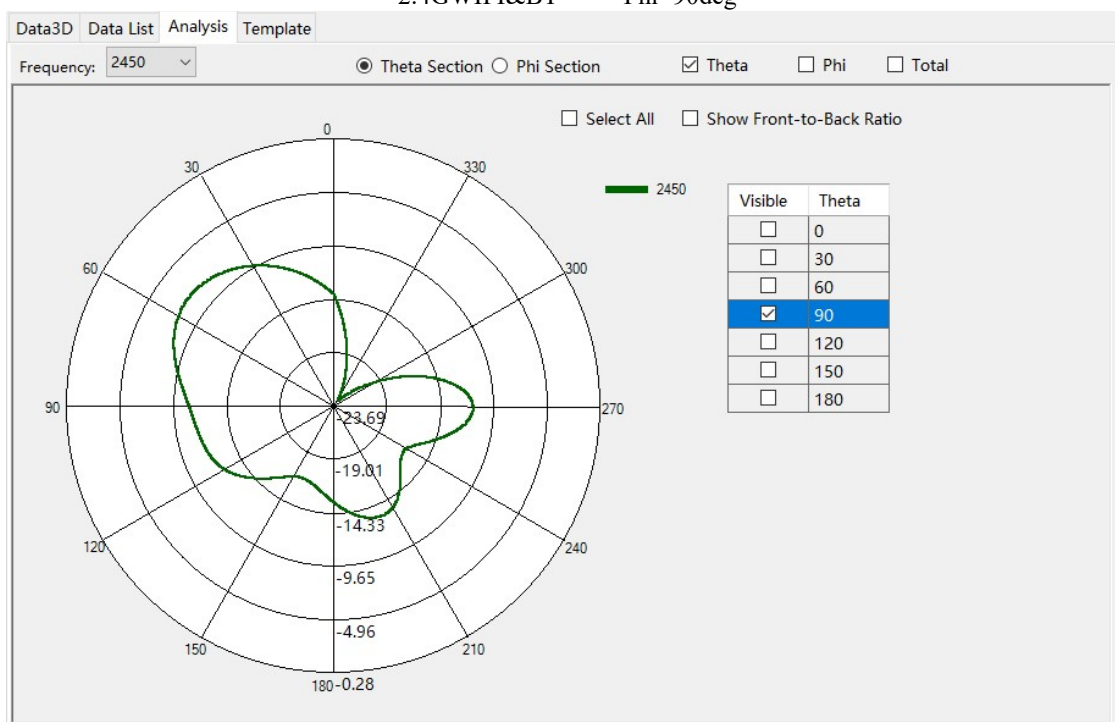
WIFI1



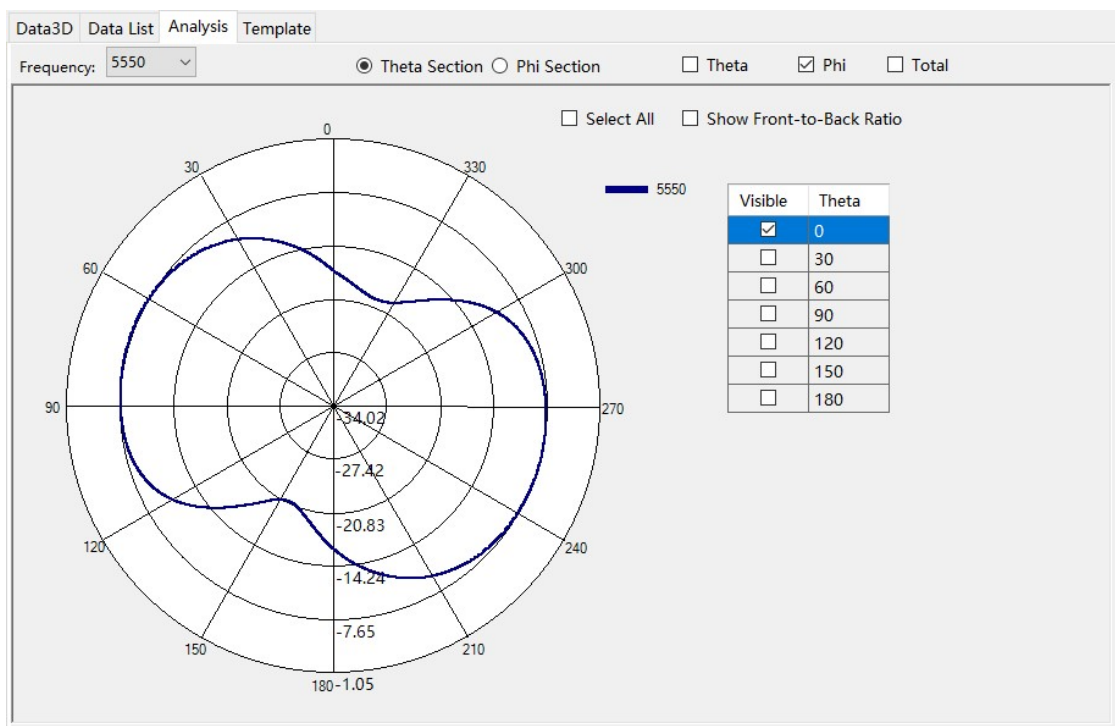
2.4GWIFI&BT Phi=0deg



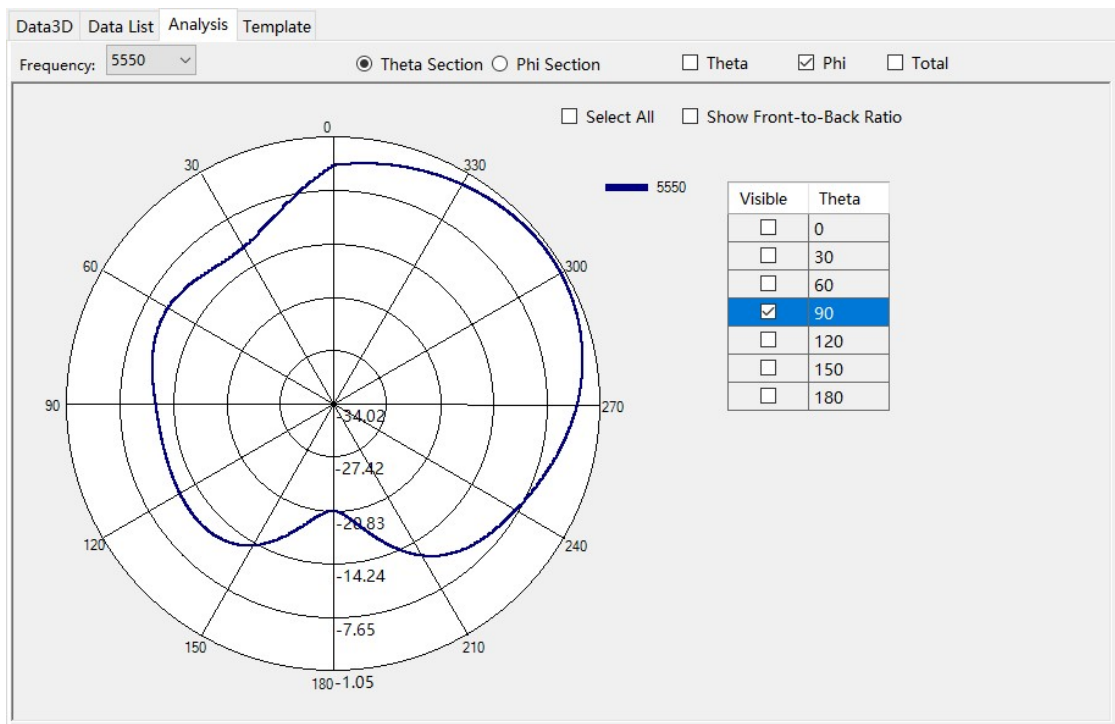
2.4GWIFI&BT Phi=90deg



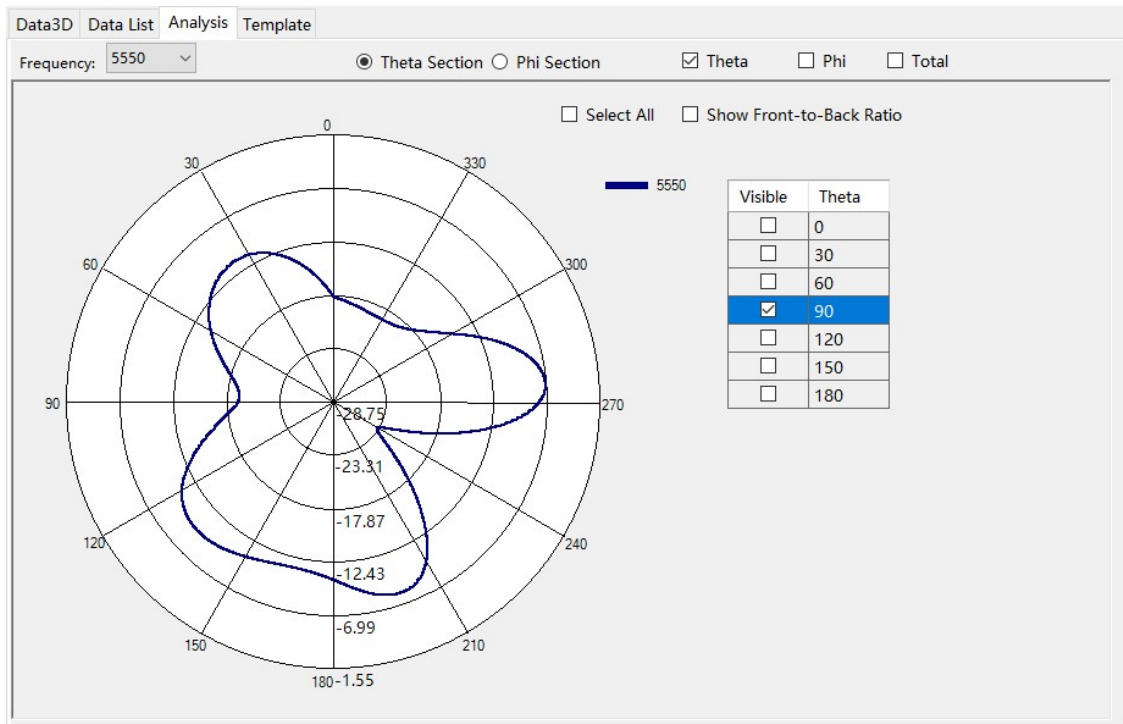
2.4GWIFI&BT Theta=90d



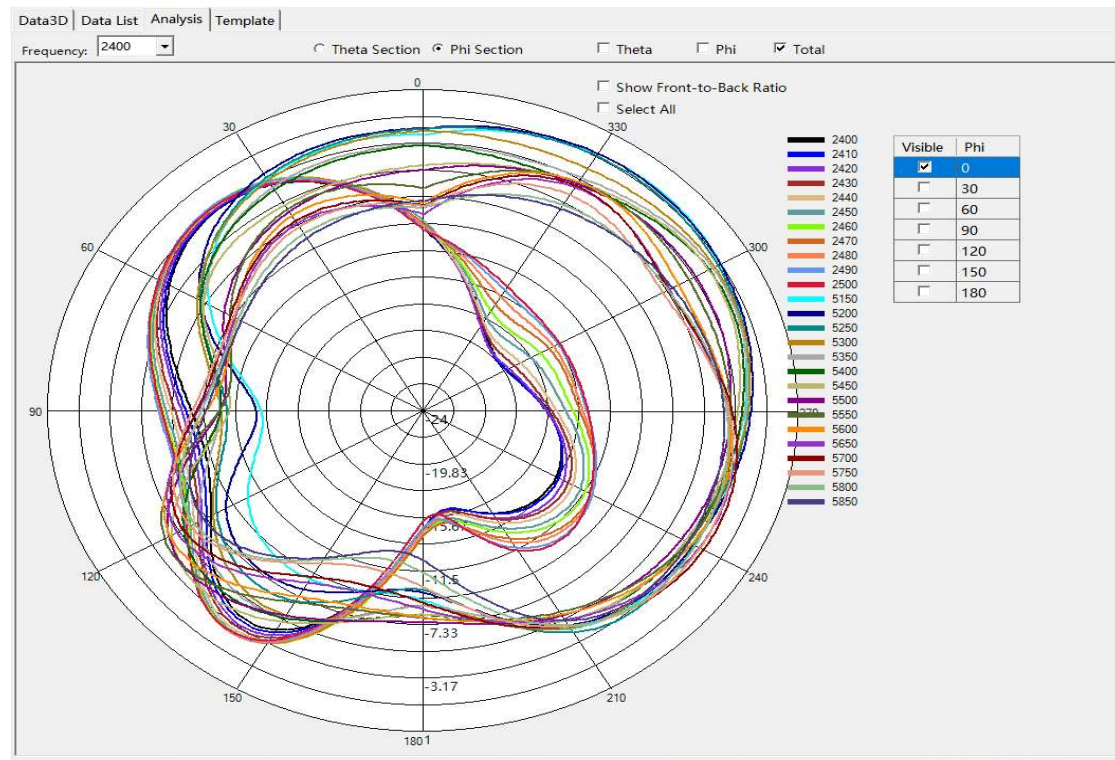
5GWIFI Phi=0deg

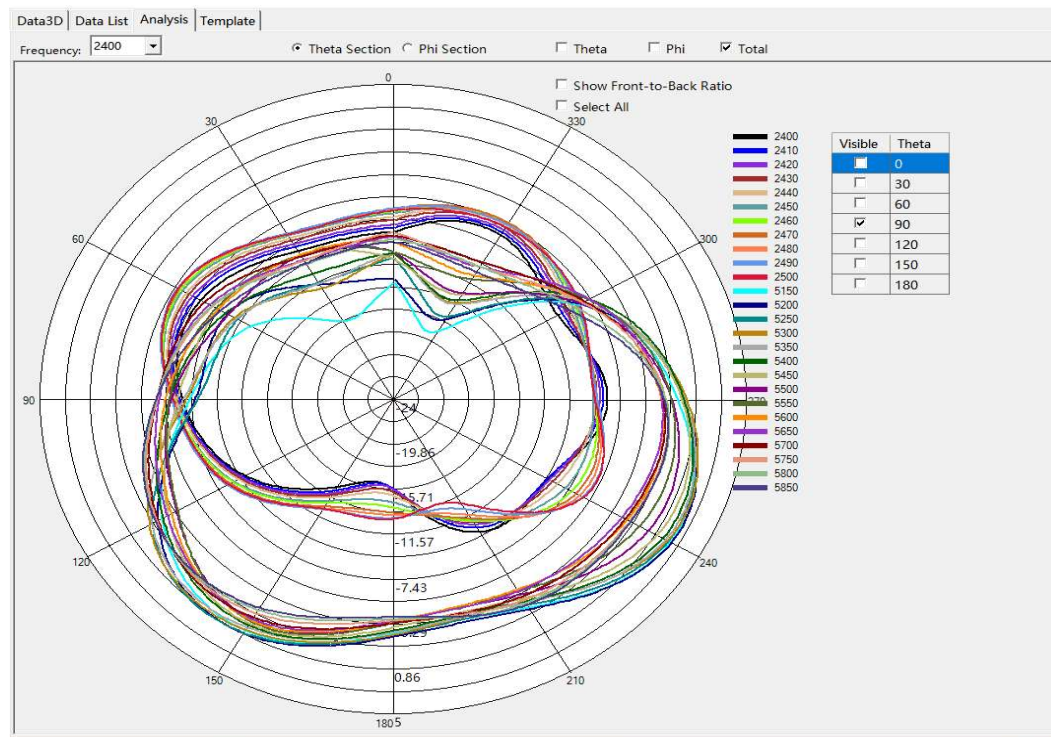
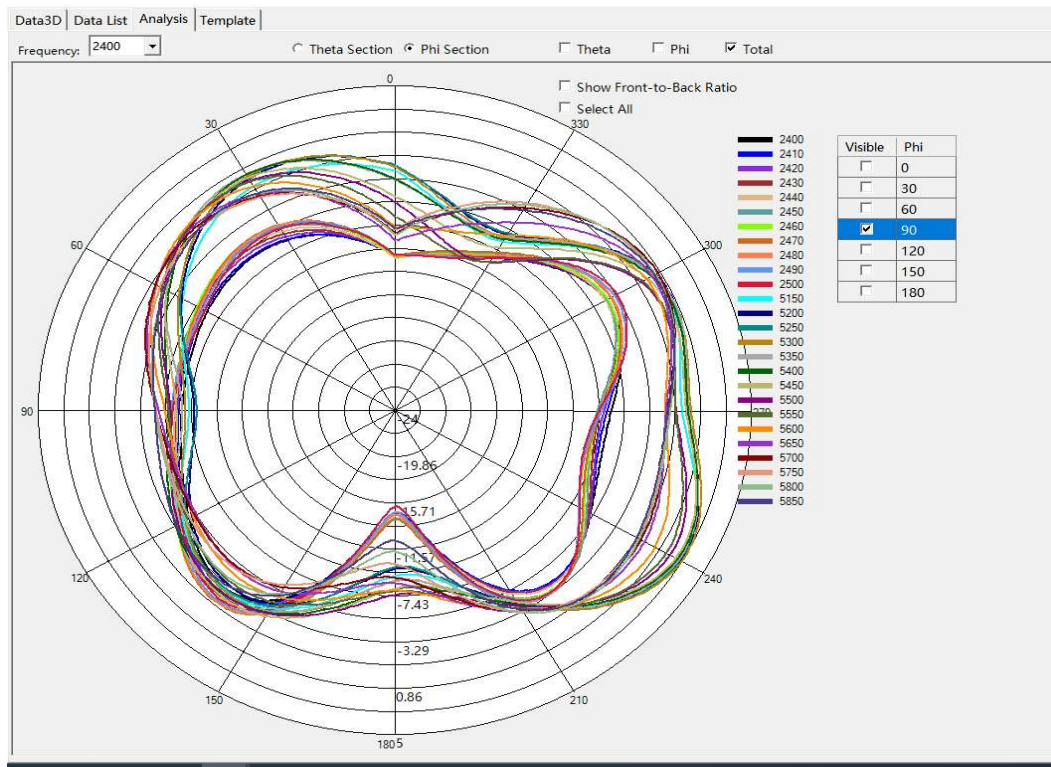


5GWIFI Phi=90deg

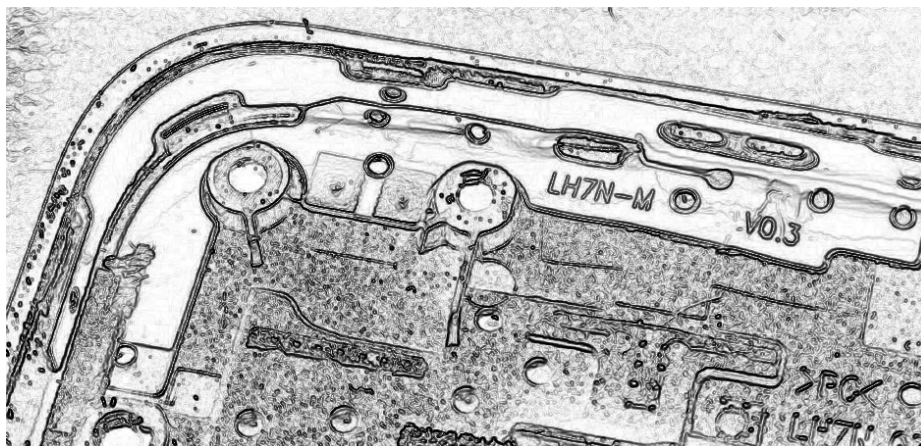


WIFI2

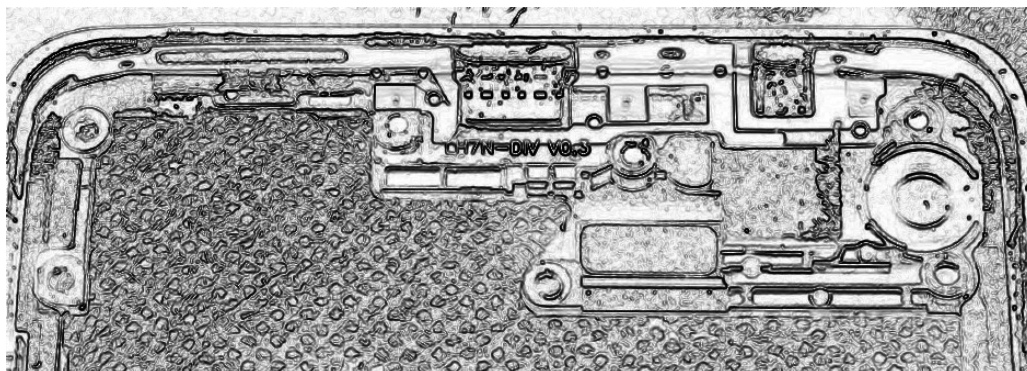




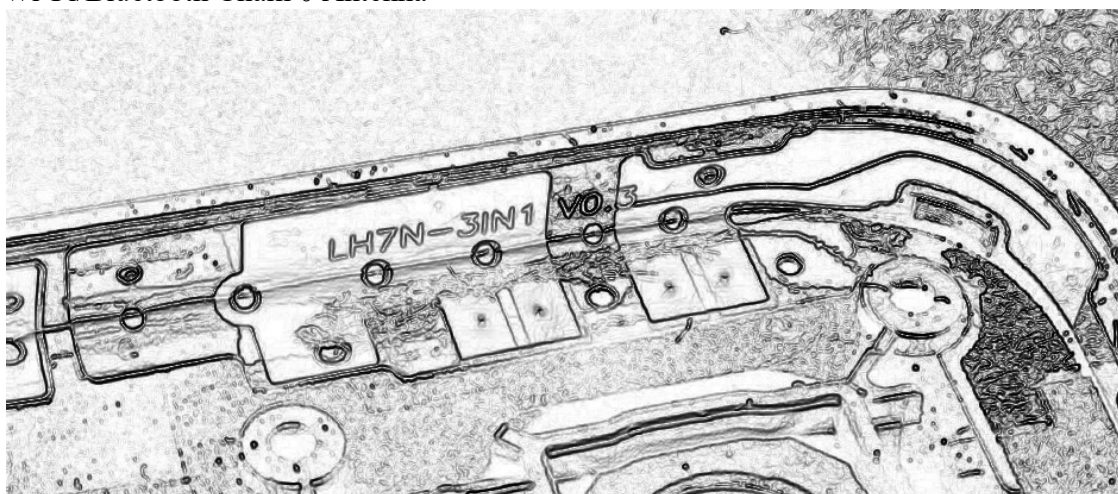
Antenna Photo:
WWAN Main Antenna



WWAN DIV Antenna



Wi-Fi/Bluetooth Chain 0 Antenna



Wi-Fi/Bluetooth Chain 1 Antenna



PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
	Yuehua.sun		DATE:	2023/01/05