Feature

※ High gain
※ Omani-directional
※ Wide bandwidth

Main Antenna

Application

※GSM 850/900/DCS/PCSWCDMA BAND1/BAND2/BAND4/BAND5/BAND8
LTE B1/2/B3/4/B5/B7/ B8/B20/B28/B38/B41

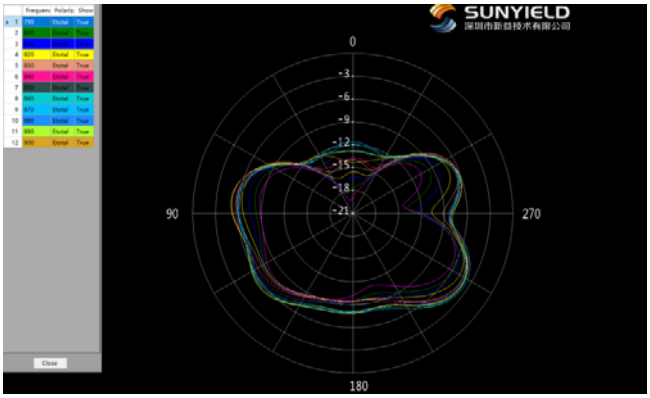
communication applications

Project	Name and address of the antenna manufacturer	Model number of the antenna
X678B	Name:上海尚远通讯科技有限公司 Shanghai Shangyuan Communication Technology Co., LTD Address：重庆市渝北区仙桃数据谷东路 19 号 ARM 生态产业园 1F 1F, ARM Ecological Industrial Park, 19 Xiantao Datgu East Road, Yubei District, Chongqing	SYC-X678B-ANT1-0.1 SYC-X678B-ANT2-0.1 SYC-X678B-ANT3-0.1 SYC-X678B-ANT4-0.1

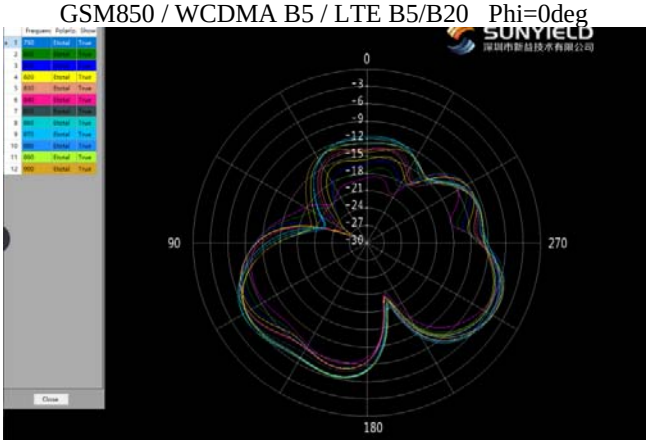
Transmitter Frequency	GSM 850/WCDMA B5/LTE B5: 824 – 849 MHz
	GSM 900/WCDMA B8/LTE B8: 880 – 915 MHz
	DCS /WCDMA B4/LTE B3/B4: 1710 – 1785 MHz
	PCS/WCDMA B2/LTE B2:1850-1910MHz
	WCDMA B1/LTE B1: 1920 – 1980MHz
	LTE B7: 2500-2570MHz
	LTE B38: 2570-2620MHz
	LTE B41: 2535-2655MHz
	LTE B20:832-862MHz
	LTEB28:710-755MHz
Receiver Frequency	GSM 850/WCDMA B5/LTE B5: 869 – 894 MHz
	GSM 900/WCDMA B8/LTE B8: 925 – 960 MHz
	DCS/LTE B3: 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 B38: 2570-2620MHz
	LTE B41: 2535-2655MHz
	LTE B20:791-821MHz
	LTE B28:758-803MHz
Main Antenna Gain (Peak Gain)	GSM 850/WCDMA B5/LTE B5: -4.3 dBi
	GSM 900/WCDMA B8/LTE B8: -4.2 dBi
	DCS/WCDMA B4/ LTE B3/B4: -0.8 dBi
	PCS/WCDMA B2/LTE B2: -1 dBi
	WCDMA B1/LTE B1: -2.07 dBi
	LTE B7/B38/B41: 1.2 dBi
	LTE B20:-4.3 dBi
	LTE B28:-3.24 dBi
3in1 Main Antenna Gain (Peak Gain)	BT/2.4G Wi-Fi:-1 dBi, 5G Wi-Fi: 3 dBi
BT/Wi-Fi AUX ANT	BT/2.4G Wi-Fi: 1dBi, 5G Wi-Fi: 4 dBi

※ Antenna Gain

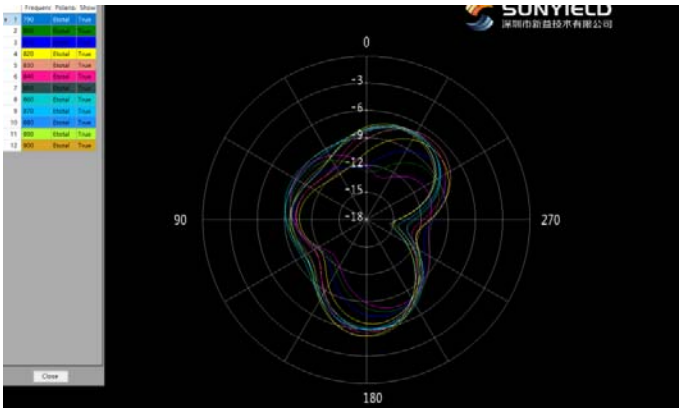
Main Antenna



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



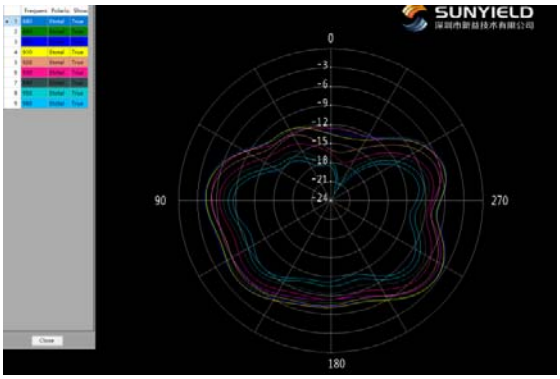
GSM850 / WCDMA B5 / LTE B5/B20 Phi=90deg



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

※ Antenna Gain

Main Antenna



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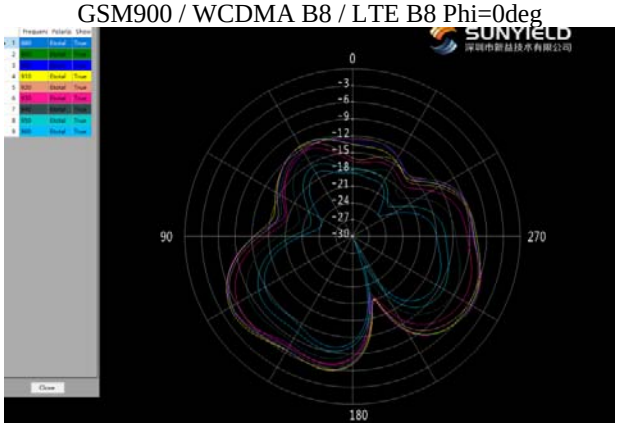
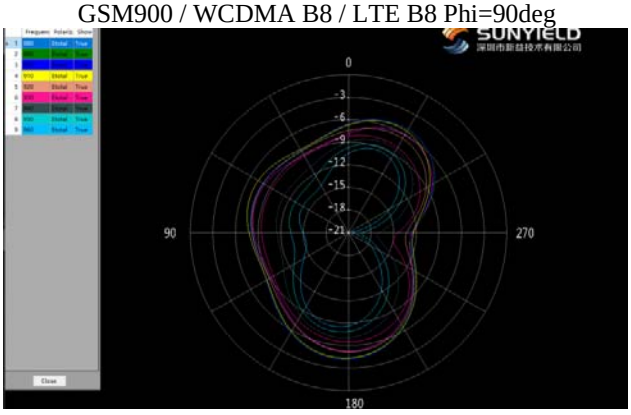


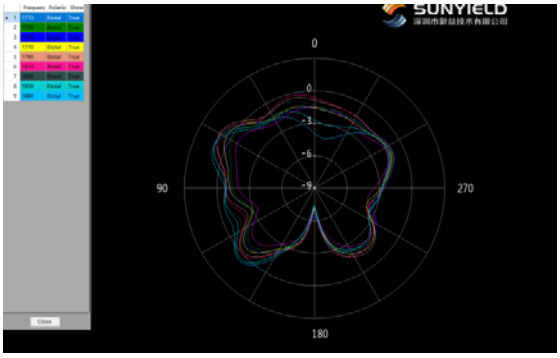
GSM900 / WCDMA B8 / LTE B8 Phi=90deg



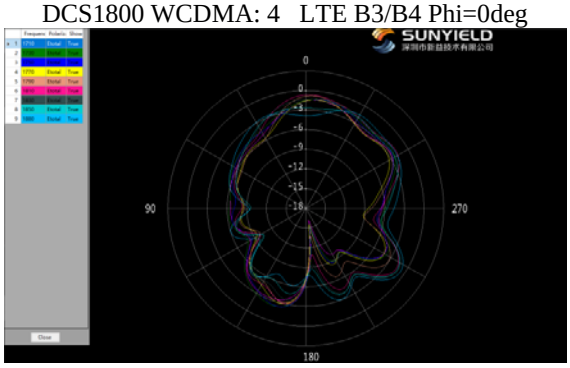
GSM900 / WCDMA B8 / LTE B8 Theta=90deg

※ Antenna Gain

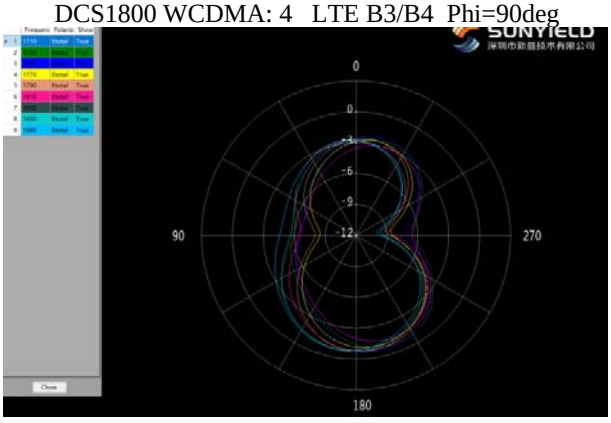
Main Antenna



DCS1800 WCDMA: 4　LTE B3/B4 Phi=0deg



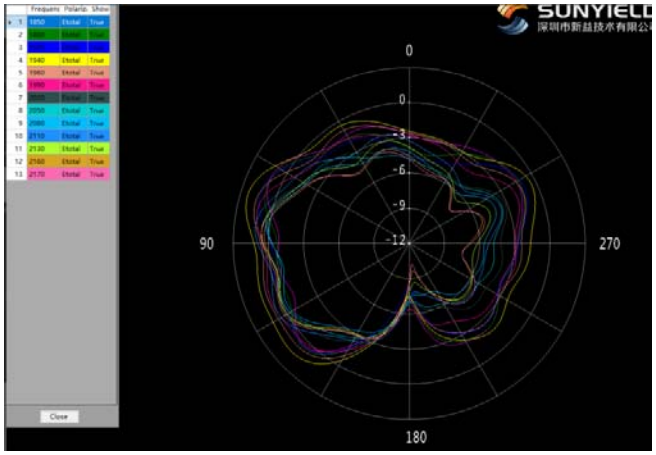
DCS1800 WCDMA: 4　LTE B3/B4 Phi=90deg



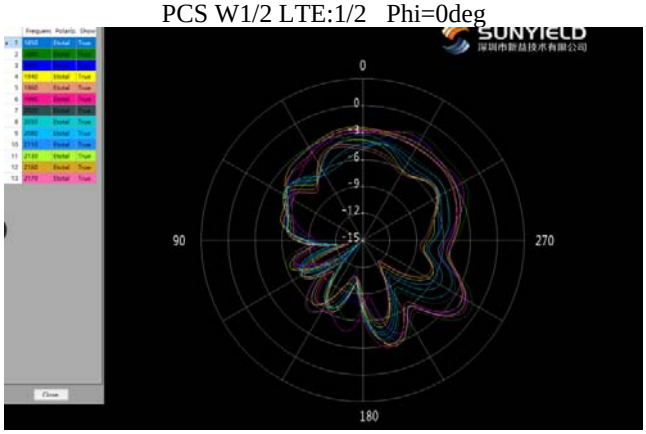
DCS1800 WCDMA: 4　LTE B3/B4 Theta=90deg

※ Antenna Gain

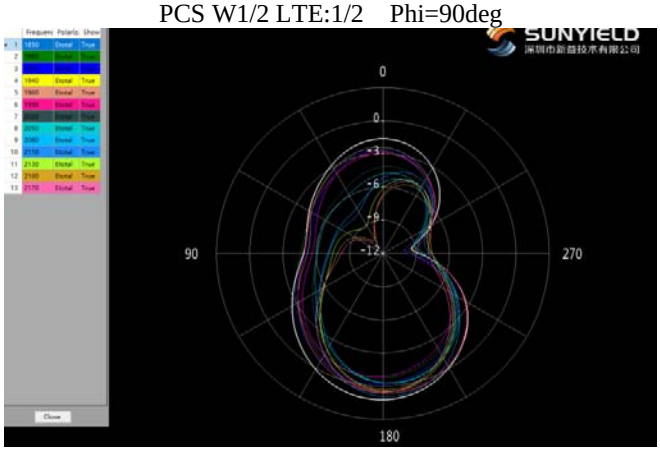
Main Antenna



PCS W1/2 LTE:1/2 Phi=0deg



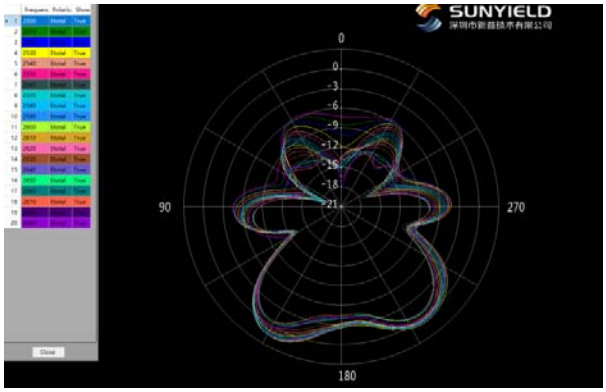
PCS W1/2 LTE:1/2 Phi=90deg



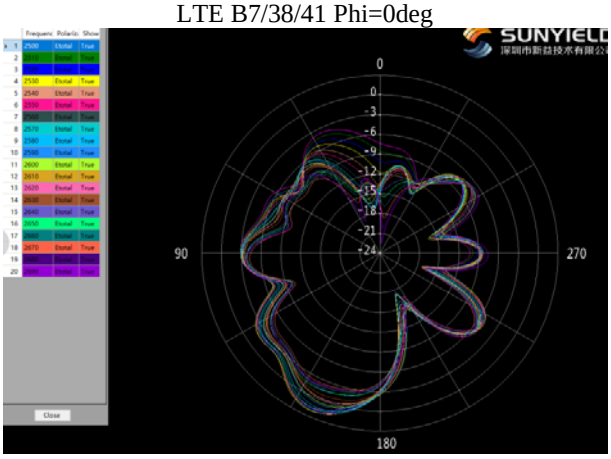
PCSW1/2 LTE:1/2 Theta=90deg

※ Antenna Gain

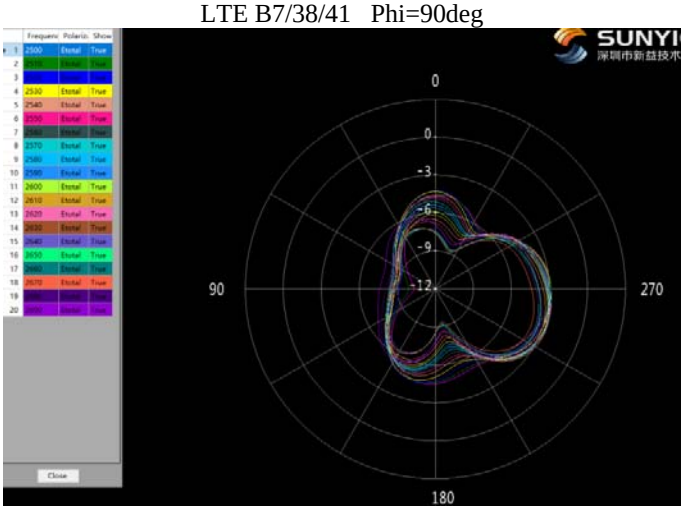
Main Antenna



LTE B7/38/41 Phi=0deg



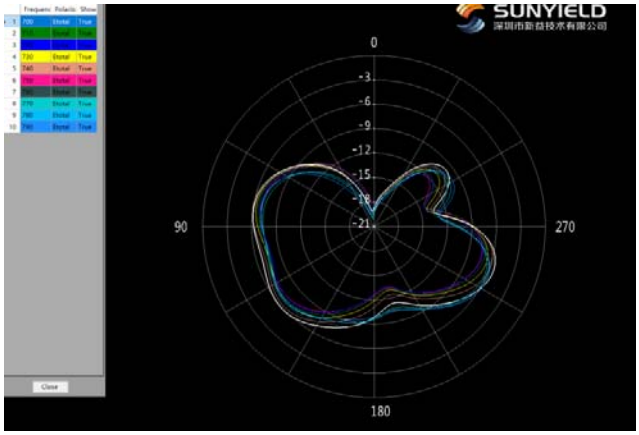
LTE B7/38/41 Phi=90deg



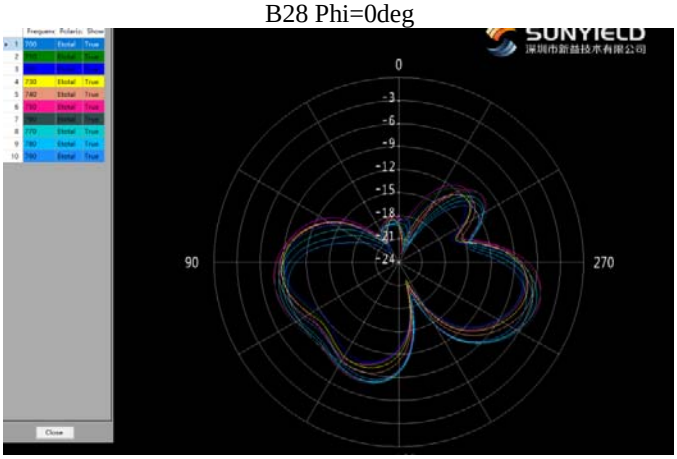
LTE B7/38/41 Theta=90deg

※ Antenna Gain

Main Antenna



B28 Phi=0deg



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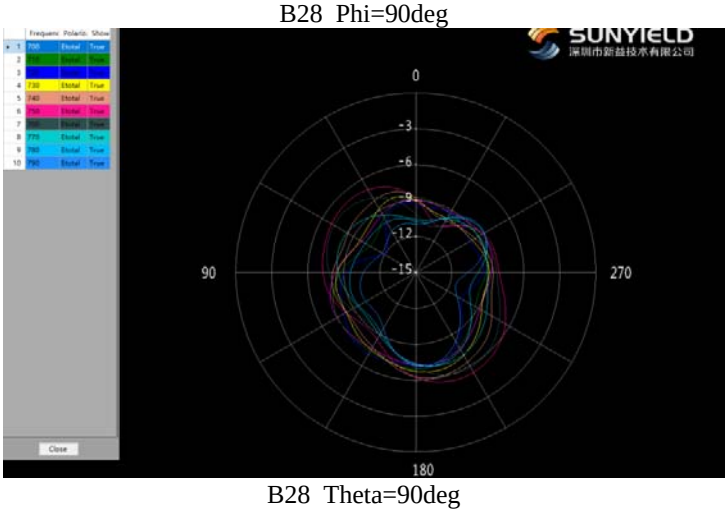
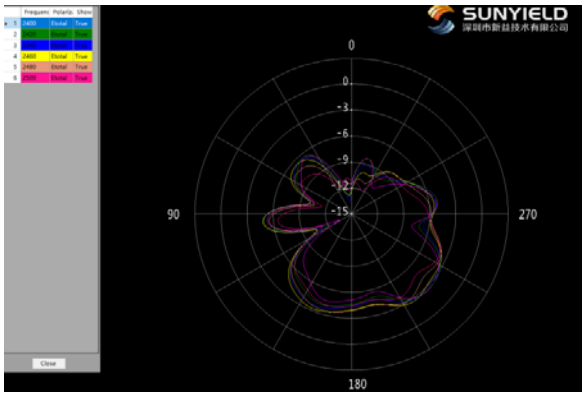


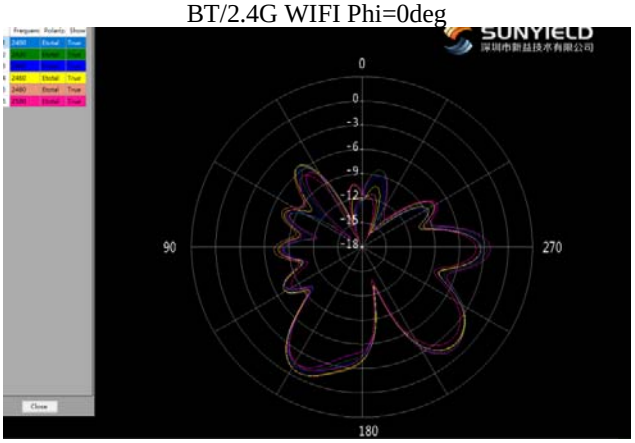
B28 Theta=90deg

※ Antenna Gain

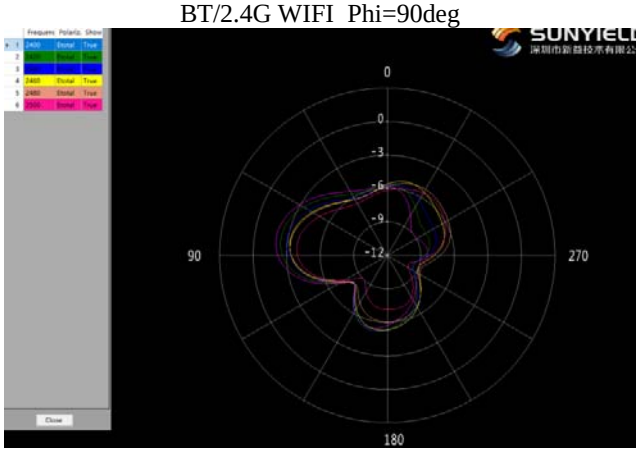
3in1 Antenna ANT1



BT/2.4G WIFI Phi=0deg



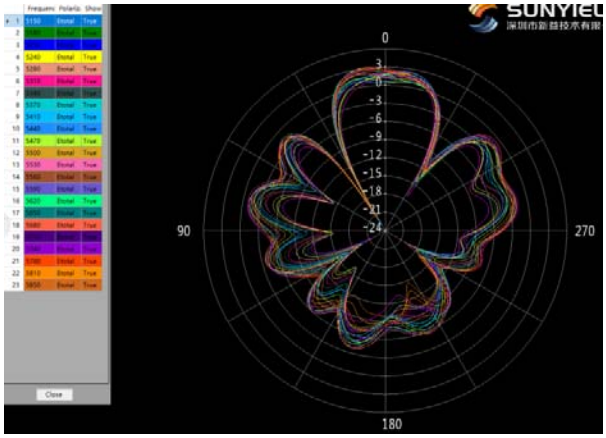
BT/2.4G WIFI Phi=90deg



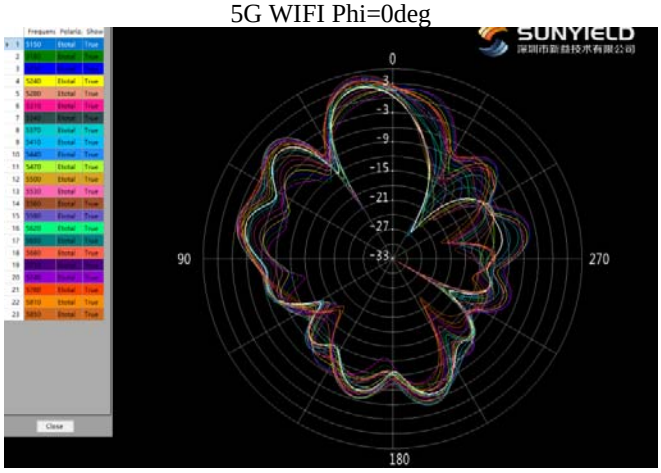
BT/2.4G WIFI Theta=90deg

※ Antenna Gain

3in1 Antenna ANT1



5G WIFI Phi=0deg



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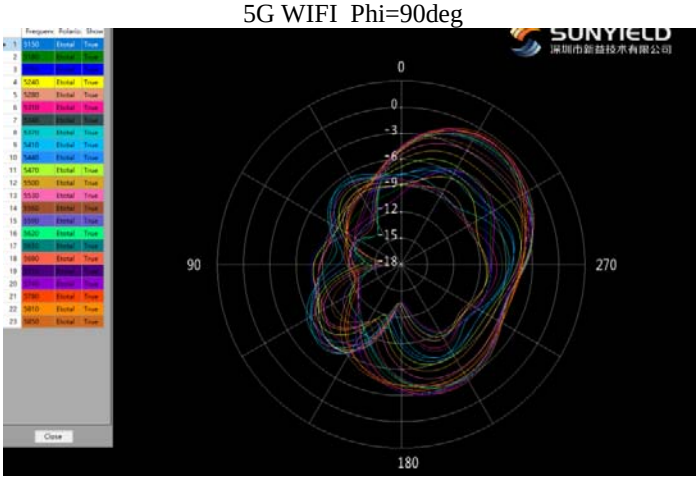
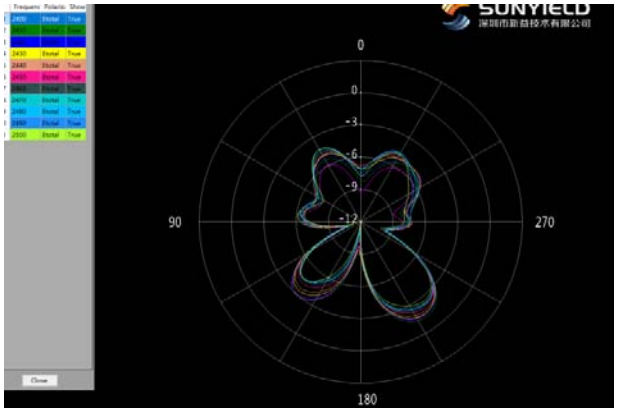


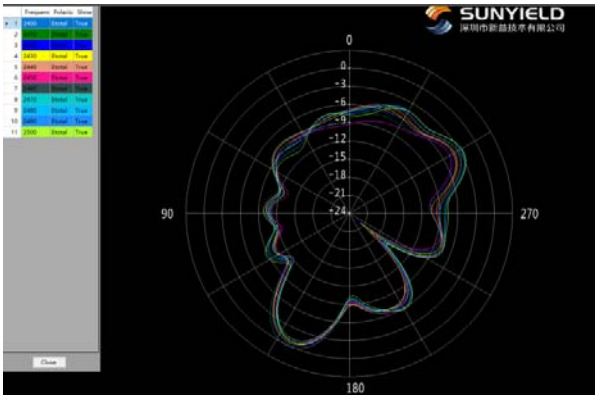
5G WIFI Theta=90deg

※ Antenna Gain

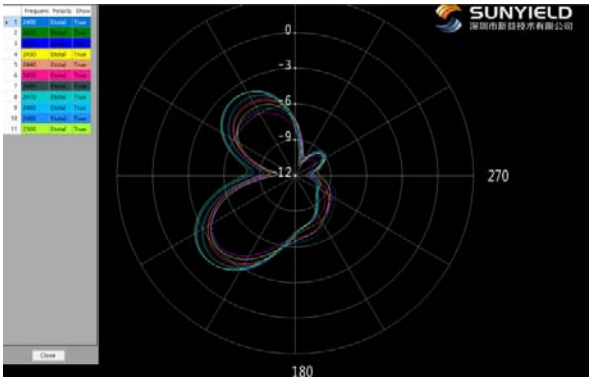
Antenna ANT2



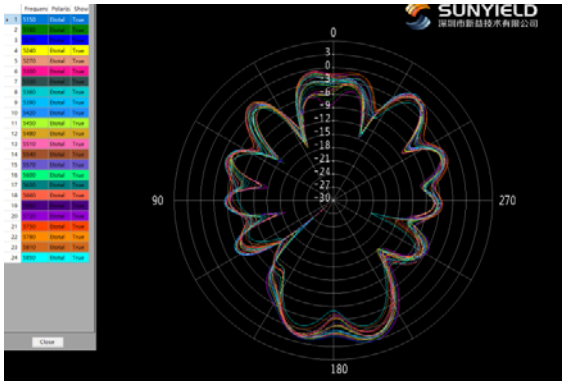
BT/2.4G WIFI Phi=0deg



BT/2.4G WIFI Phi=90deg



BT/ 2.4G WIFI Theta=90deg



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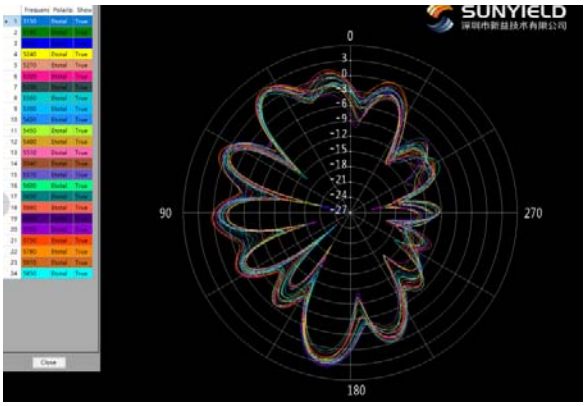

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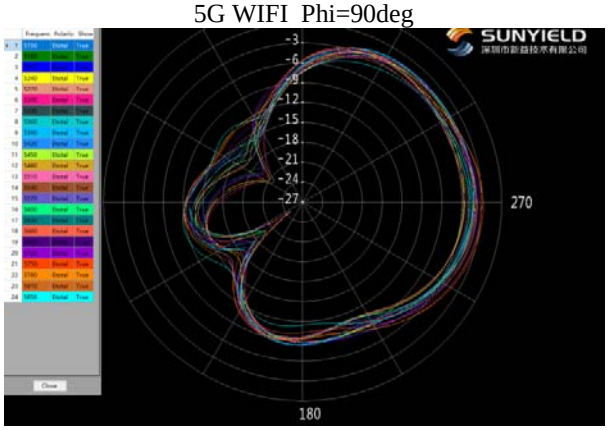
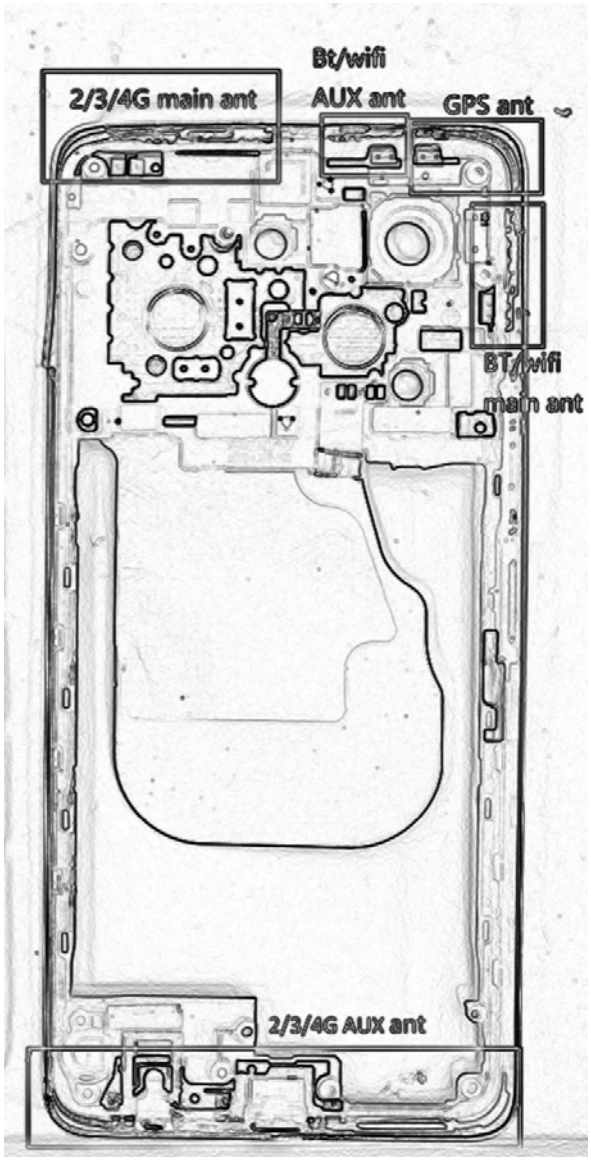


5G WIFI Theta=90deg

Antenna Photo:



PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
	Tao.ouyang		DATE:	2023/1/11