

## Feature

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

Main Antenna

## Application

※GSM850/900/DCS/PCS/WCDMA B1/B2/B4/B5/B8  
LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28/B38/B40/B41/B66

communication applications

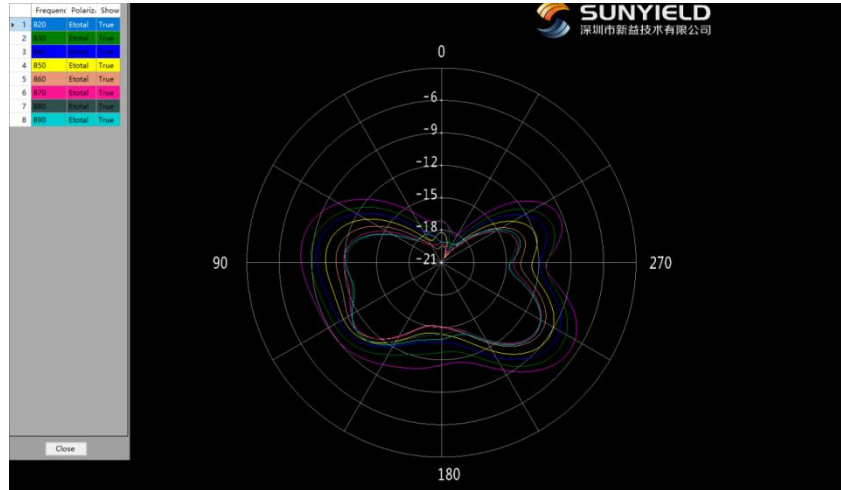
项目	Name and address of the antenna manufacturer	Model number of the antenna
CK7N	Name:上海尚远通讯科技有限公司 Shanghai Shangyuan Communication Technology Co., LTD Address: 重庆市渝北区仙桃数据谷 东路 19 号 ARM 生态产业园 1F 1F, ARM Ecological Industrial Park, 19 Xiantao Datgu East Road, Yubei District, Chongqing	SYC-CK7N-MAIN-0.2 SYC-CK7N-DIV-0.2 SYC-CK7N-BWG-0.2 SYC-CK7N-WIFI-0.2

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
	LTE B20:832-862MHz
	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 B20:791-821MHz
LTE B17/B28:758-803MHz	
RF-Output Power (E.I.R.P)	GSM850/900: 32+/-2dBm
	DCS/PCS: 30+/-2dBm
	LTE B1/B2/B3/ B4/B5 /B7/B8/B12/B17/B20/B28/B38/B40/B41/B66: 23+/-2dBm
	WCDMA B1/B2/B4/B5/ B8: 23+/-2dBm
Main Antenna Gain (Peak Gain)	GSM 850/WCDMA B5/LTE B5: -4.3
	GSM 900/WCDMA B8/LTE B8: -4.2
	DCS/WCDMA B4/ LTE B3/B4/B66: -0.8
	PCS/WCDMA B2/LTE B2: -1
	WCDMA B1/LTE B1: -2.07
	LTE B7/B38/B41: 1.2
	LTE B40: -1.7
	LTE B20:-4.3
LTE B12/17/B28:-3.24	
3in1 Antenna Gain (Peak Gain)ANT1	GPS: 1.24
	WIFI 2.4G:1 5G: 3

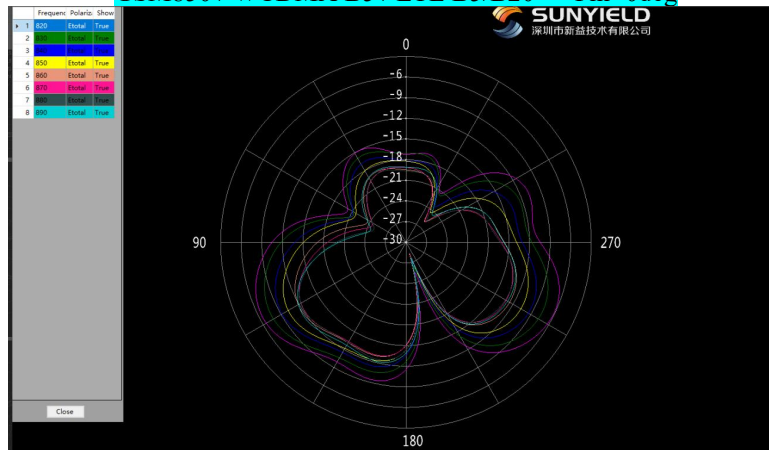
WIFI ANT2	WIFI 2.4G: -1    5G: 4
Type of Modulation	

※ Antenna Gain

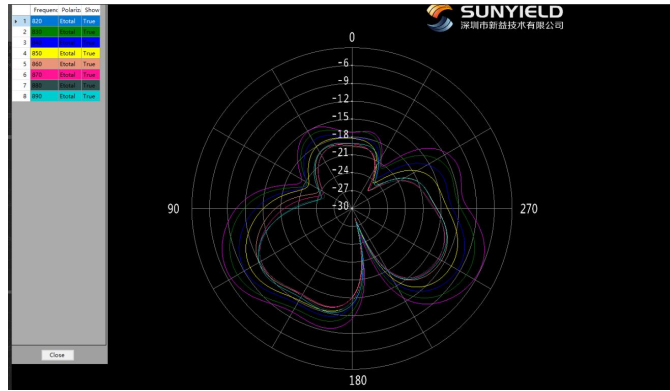
Main Antenna



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



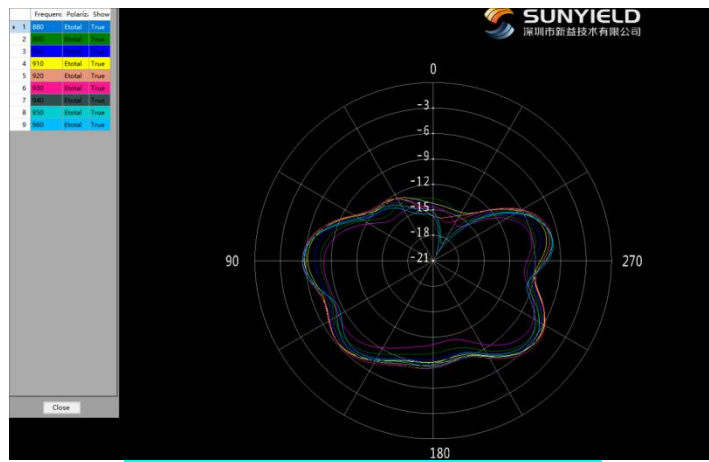
GSM850 / WCDMA B5 / LTE B5/B20    Phi=90deg



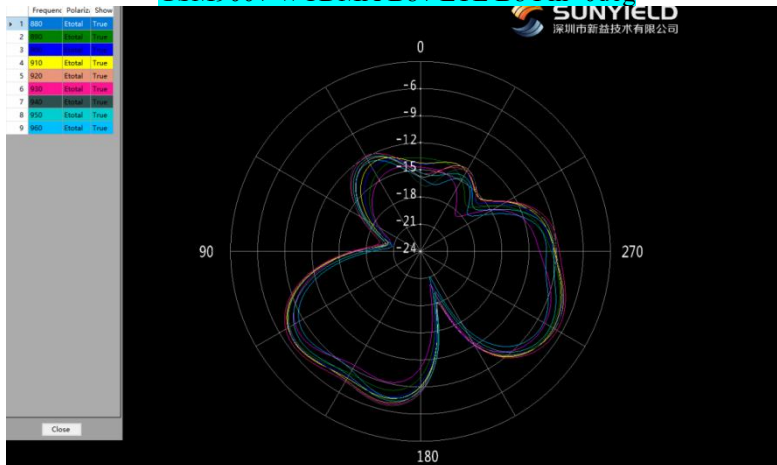
GSM850 / WCDMA B5 / LTE B5/B20 Theta=90deg

※ Antenna Gain

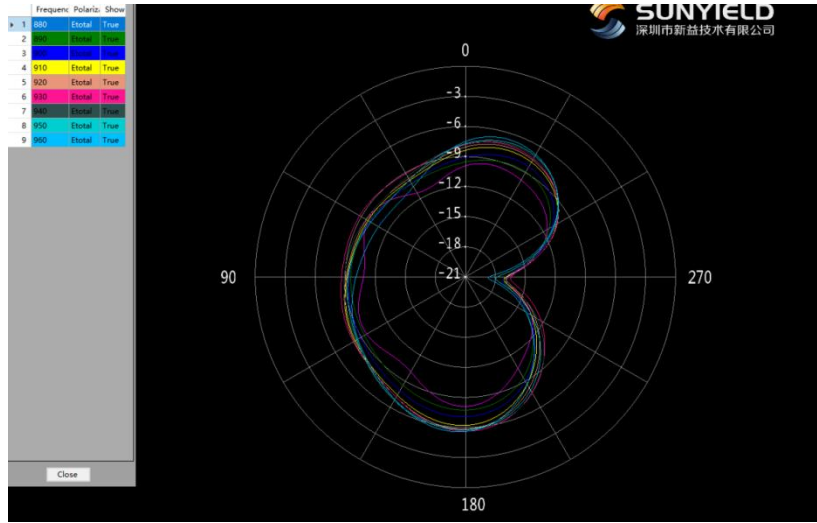
Main Antenna



GSM900 / WCDMA B8 / LTE B8 Phi=0deg



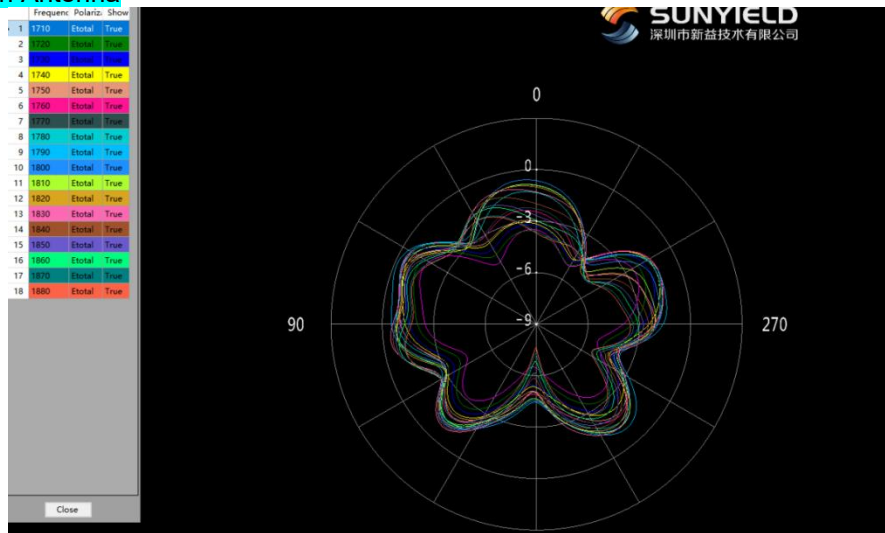
GSM900 / WCDMA B8 / LTE B8 Phi=90deg



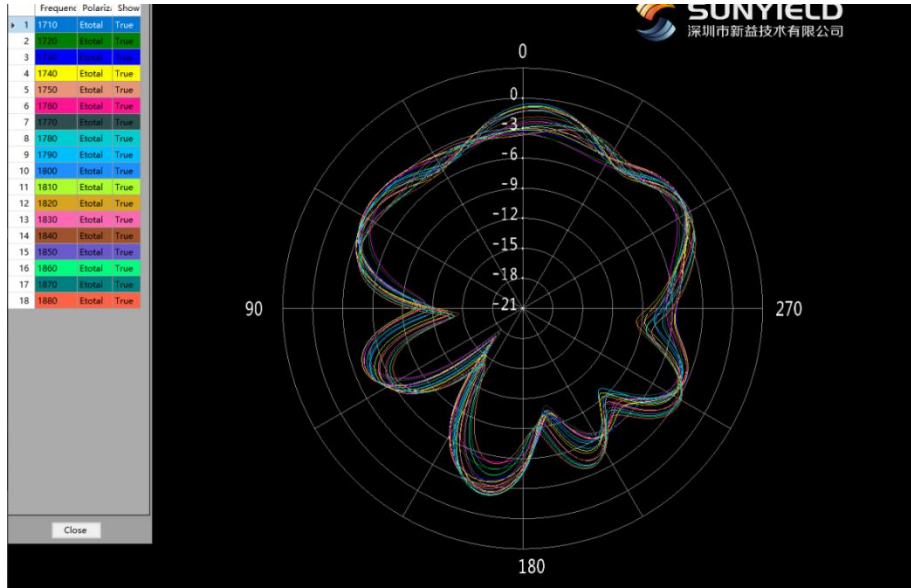
GSM900 / WCDMA B8 / LTE B8 Theta=90deg

※ Antenna Gain

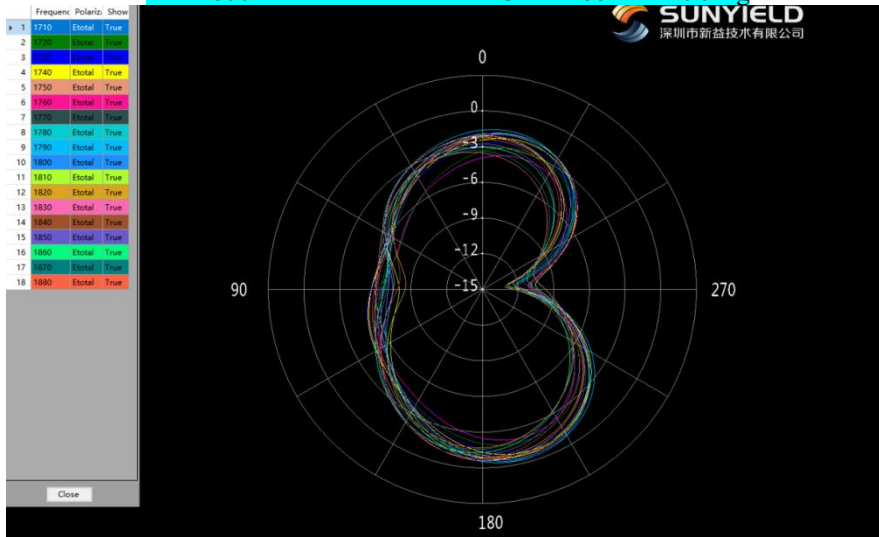
Main Antenna



DCS1800 WCDMA: 4 LTE B3/B4/B66 Phi=0deg



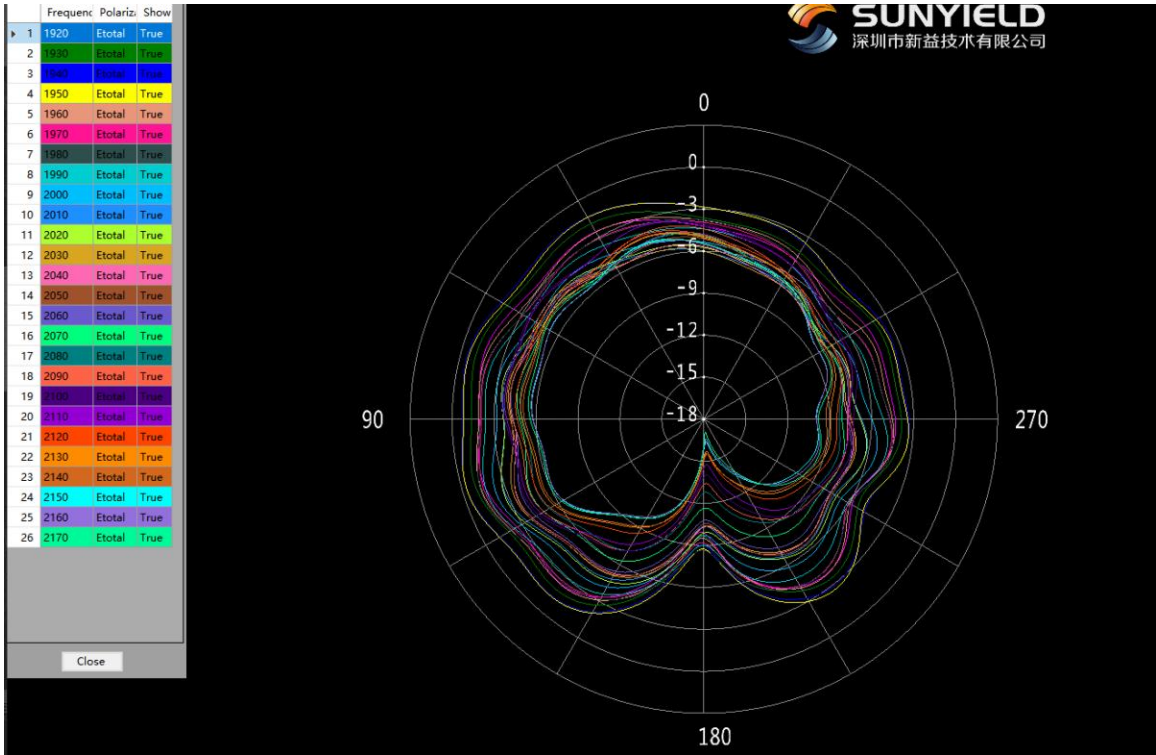
DCS1800 WCDMA: 4 LTE B3/B4/B66 Phi=90deg



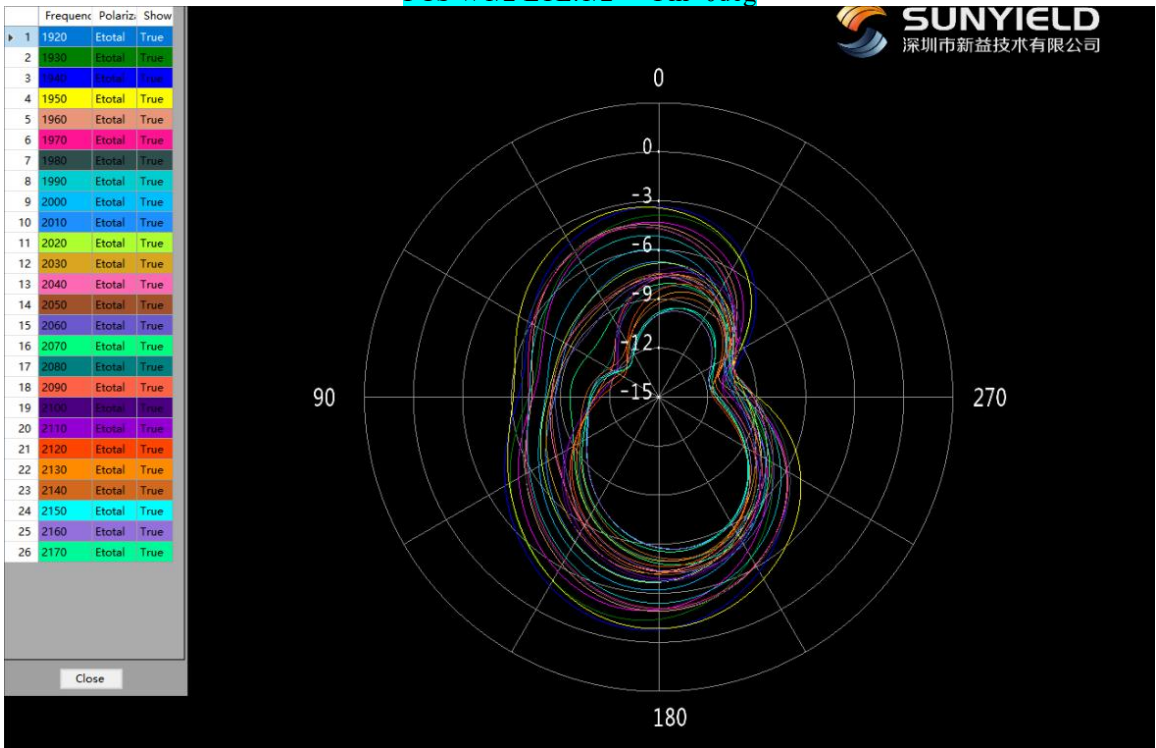
DCS1800 WCDMA: 4 LTE B3/B4/B66 Theta=90deg

※ Antenna Gain

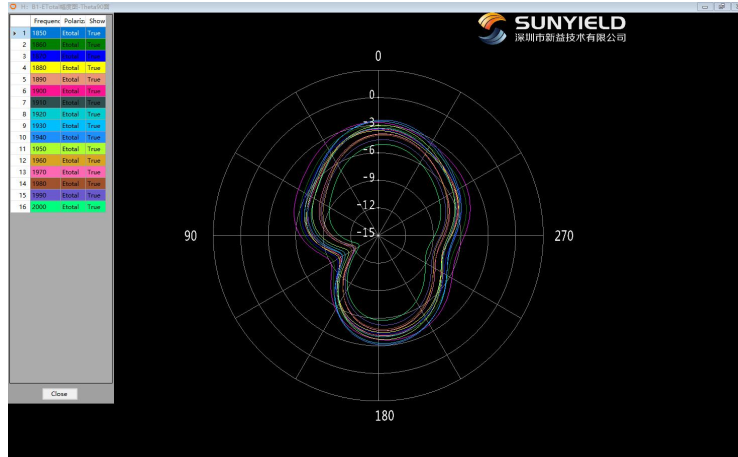
Main Antenna



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



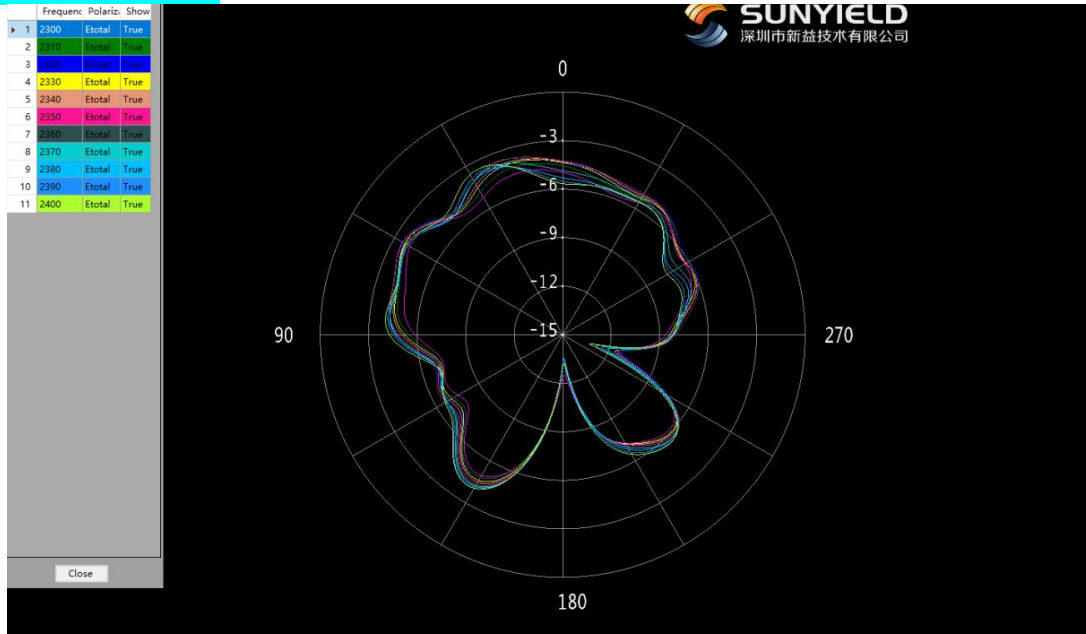
PCS W1/2 LTE:1/2 Phi=90deg



PCS W1/2 LTE:1/2    Theta=90deg

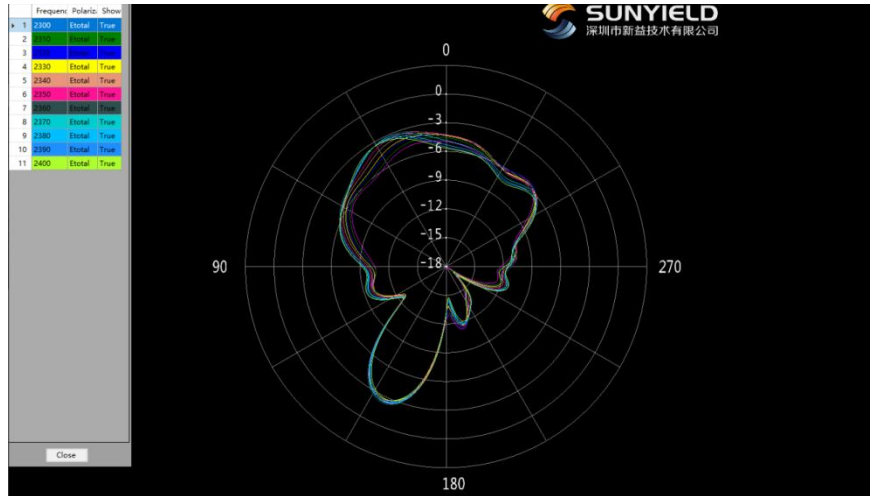
※ Antenna Gain

Main Antenna

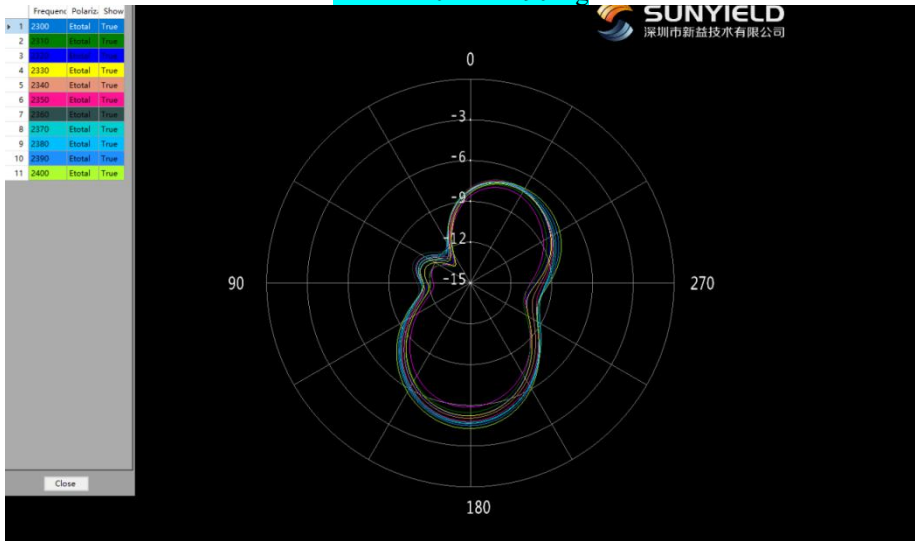


LTE B40 Phi=0deg





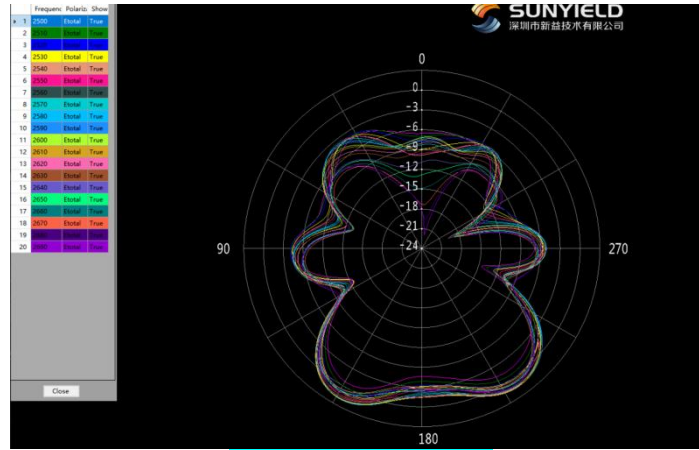
LTE B40 Phi=90deg



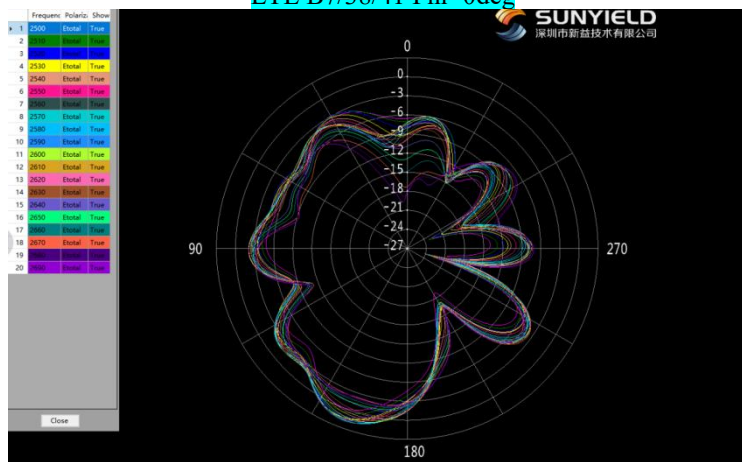
LTE B40 Theta=90deg

✂ Antenna Gain

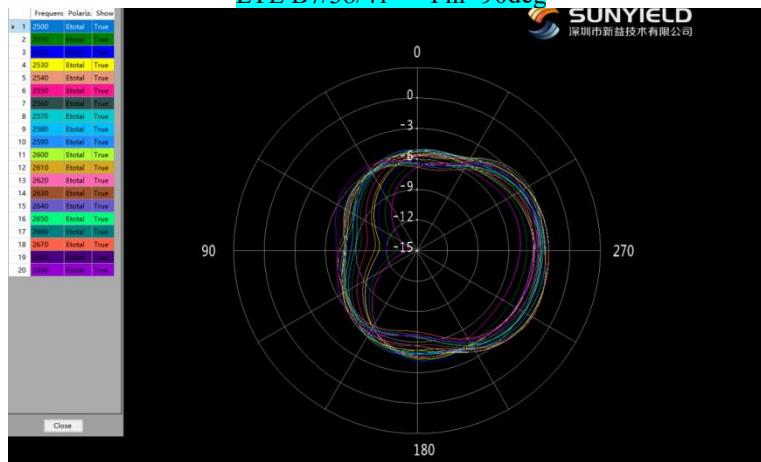
Main Antenna



LTE B7/38/41 Phi=0deg



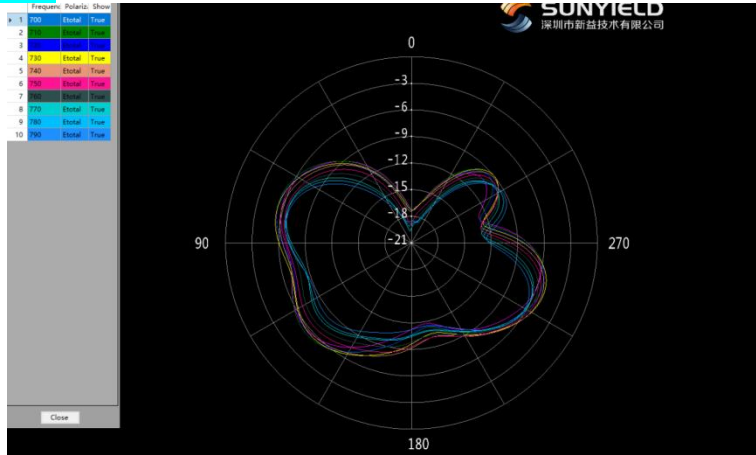
LTE B7/38/41 Phi=90deg



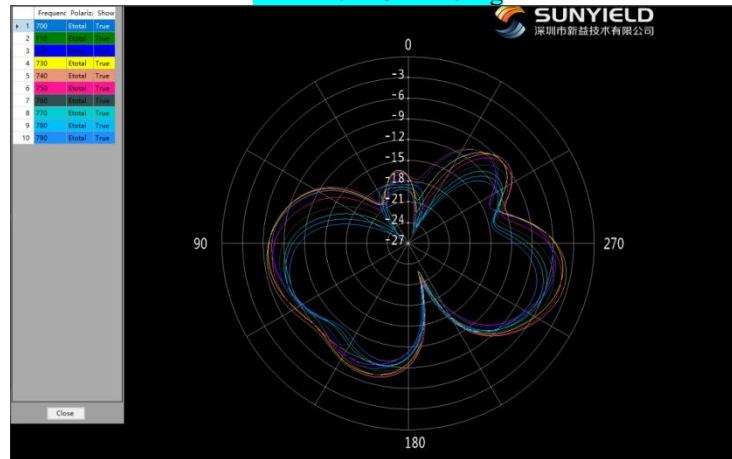
LTE B7/38/41 Theta=90deg

# ※ Antenna Gain

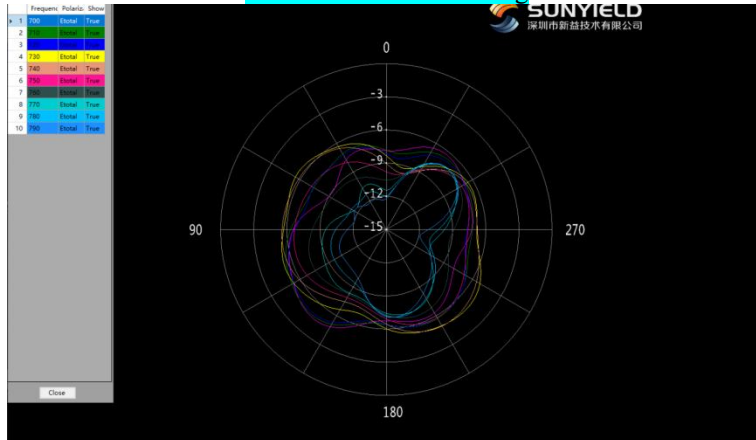
## Main Antenna



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



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



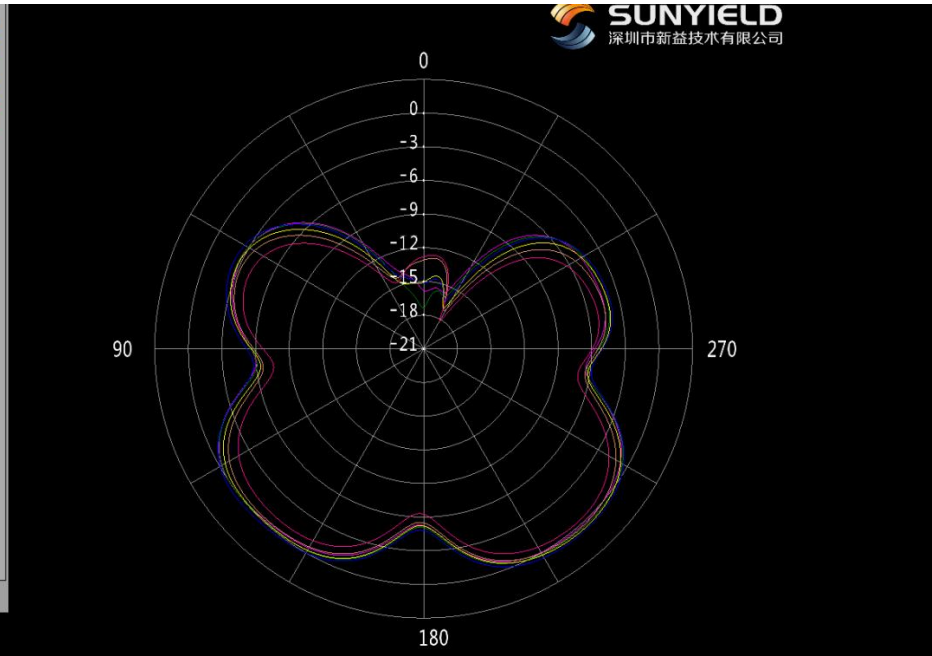
B12/B17/B28  $\Theta = 90^\circ$

## ※ Antenna Gain

### 3in1 Antenna

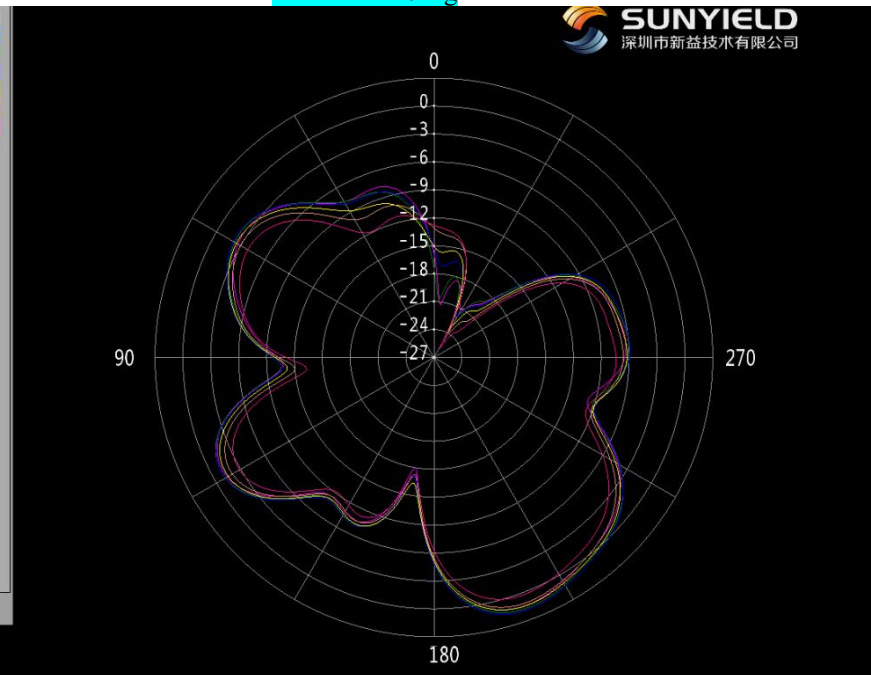
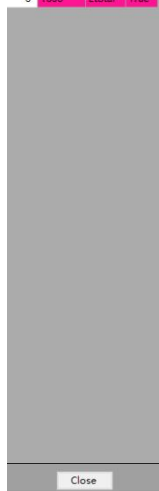
ANTI

	Frequenc	Polariz	Show
1	1550	Etotel	True
2	1560	Etotel	True
3	1575	Etotel	True
4	1580	Etotel	True
5	1590	Etotel	True
6	1600	Etotel	True

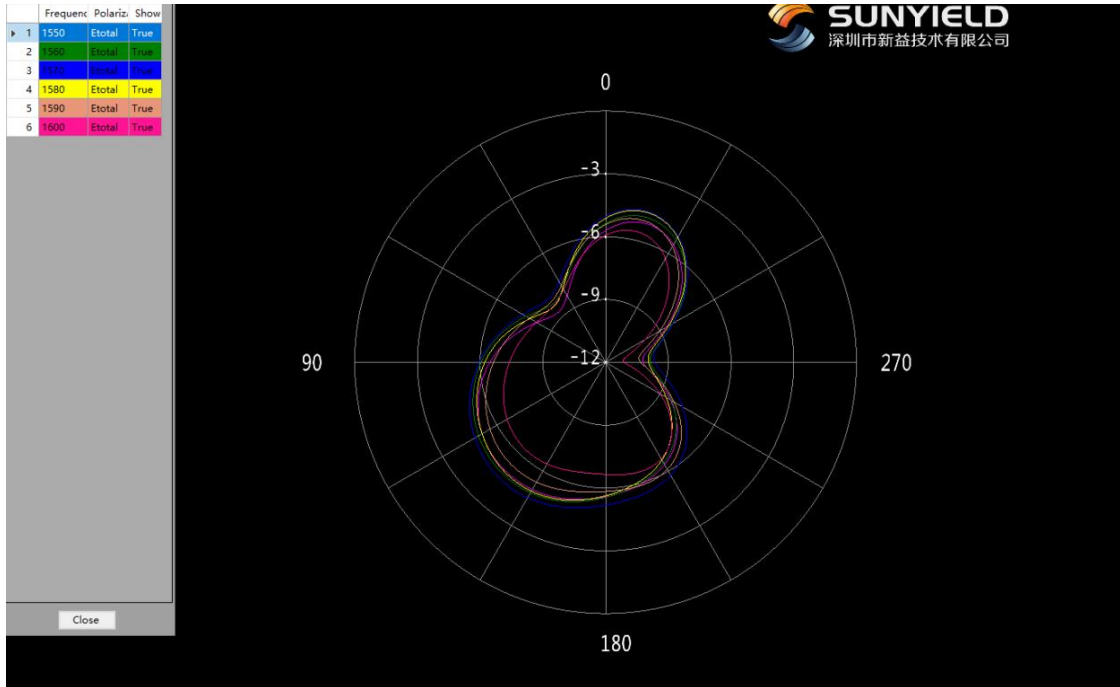


### GPS Phi=0deg

	Frequenc	Polariz	Show
1	1550	Etotel	True
2	1560	Etotel	True
3	1575	Etotel	True
4	1580	Etotel	True
5	1590	Etotel	True
6	1600	Etotel	True

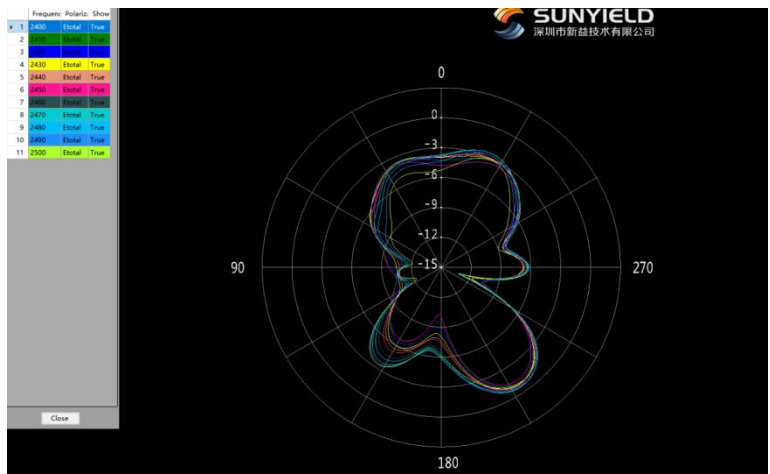


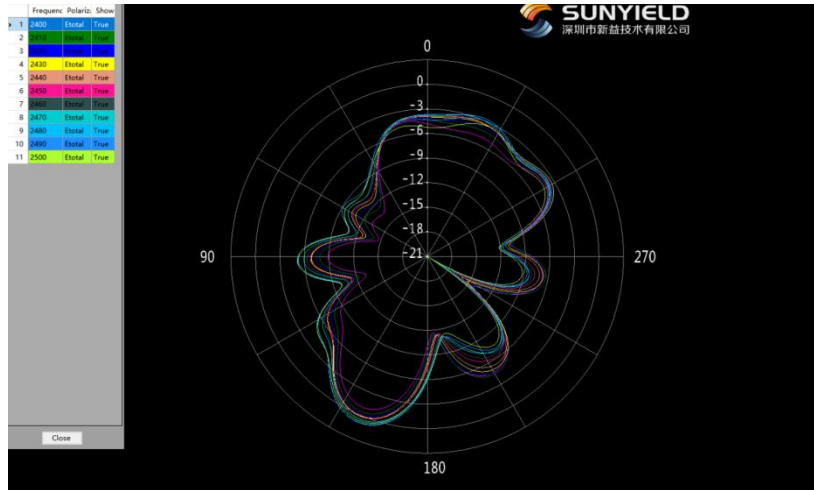
### GPS Phi=90deg



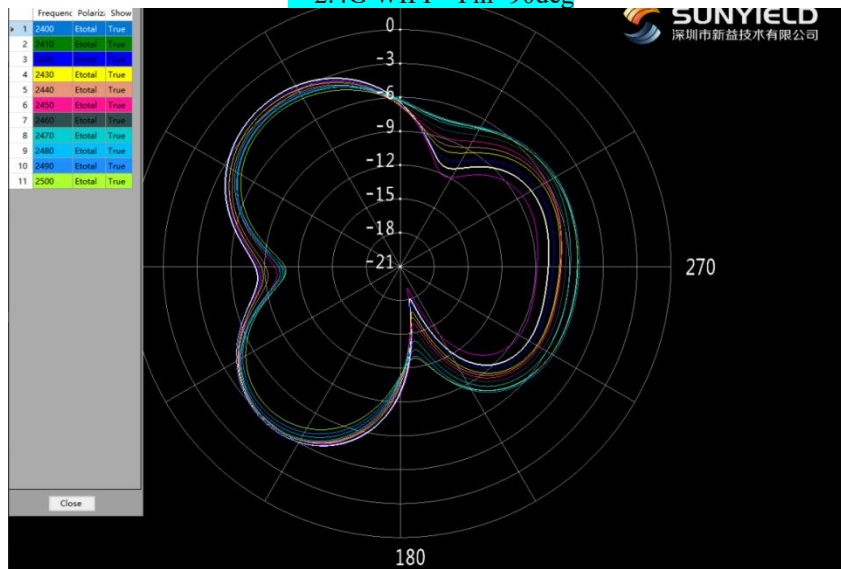
※ Antenna Gain

3in1 Antenna





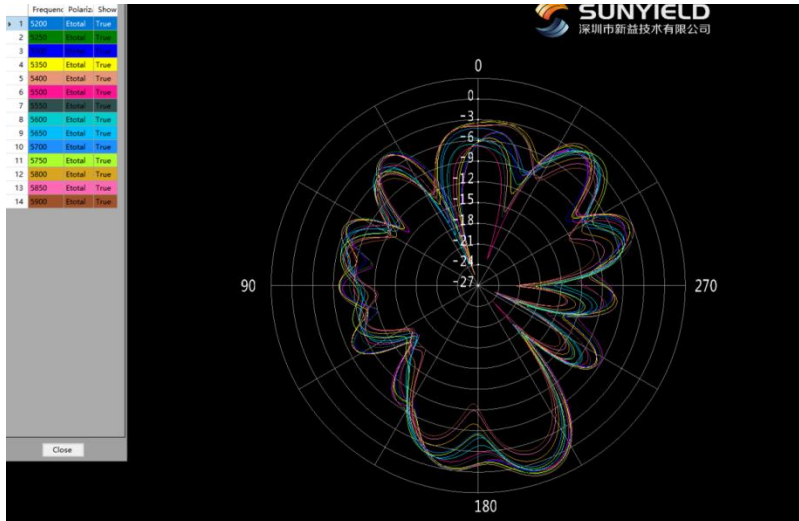
2.4G WIFI Phi=90deg



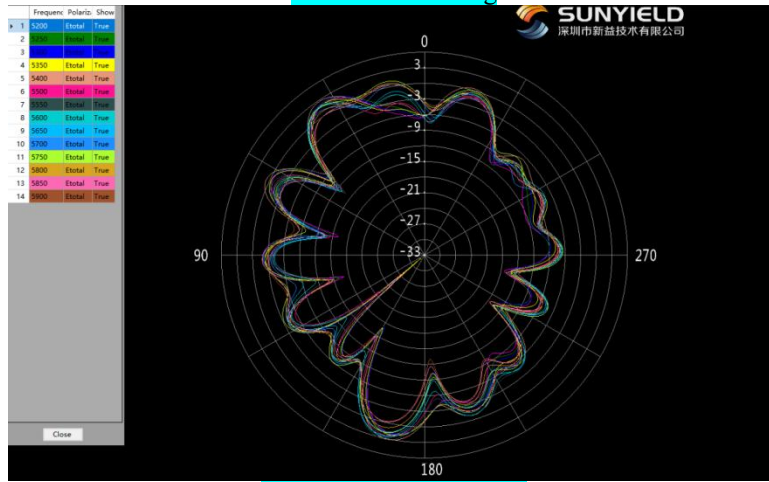
2.4G WIFI Theta=90deg

# ※ Antenna Gain

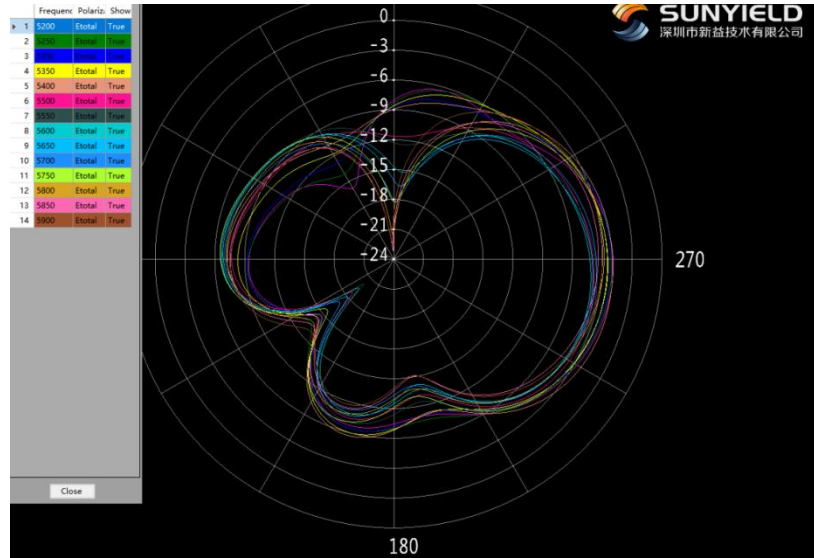
## 3in1 Antenna ANT1



5G WIFI Phi=0deg



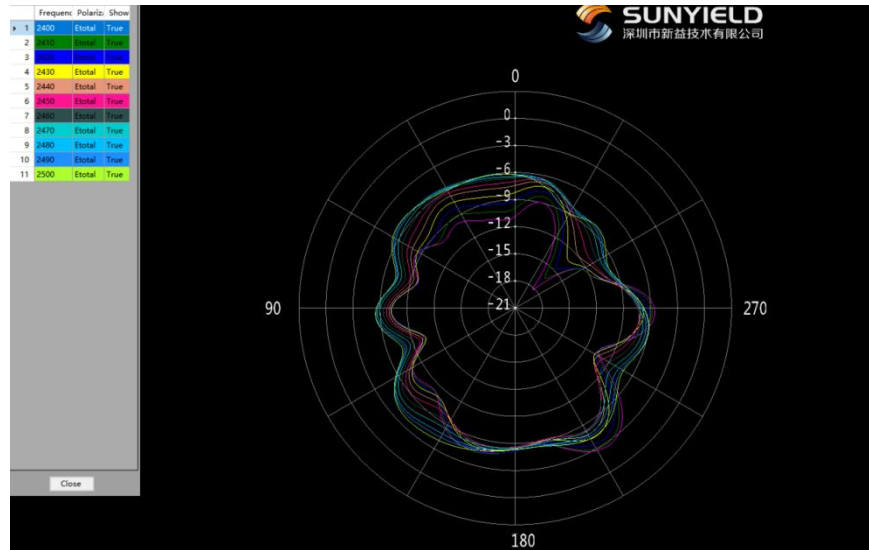
5G WIFI Phi=90deg



5G WIFI Theta=90deg

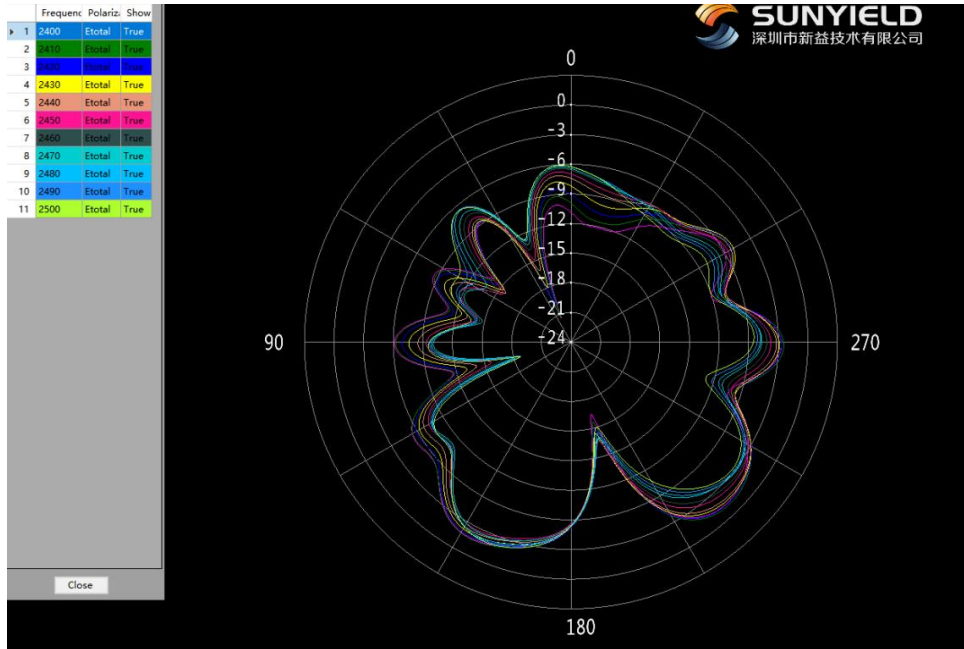
※ Antenna Gain

3in1 Antenna  
ANT2

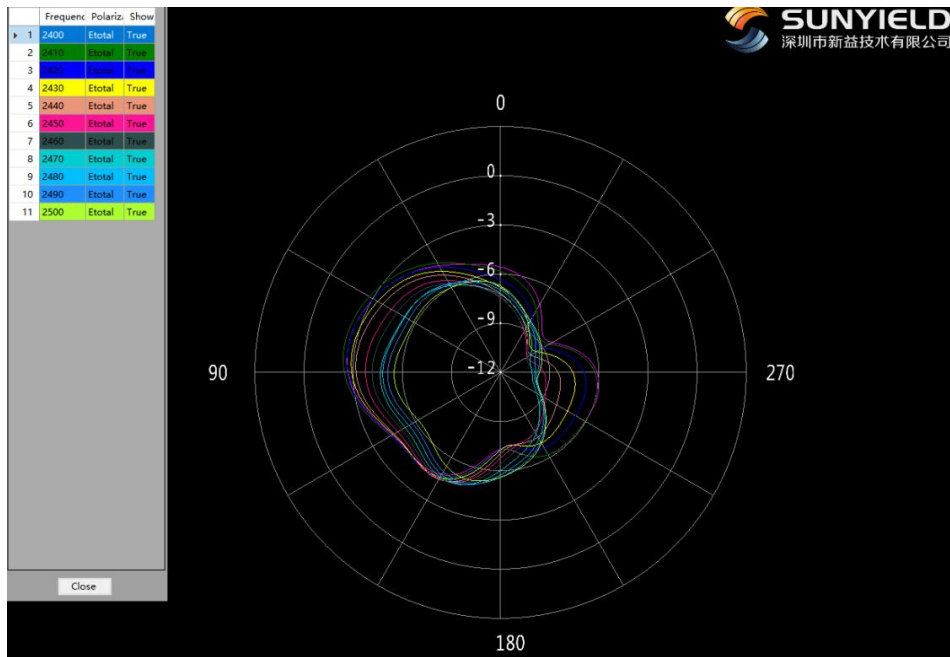


2.4G WIFI Phi=0deg

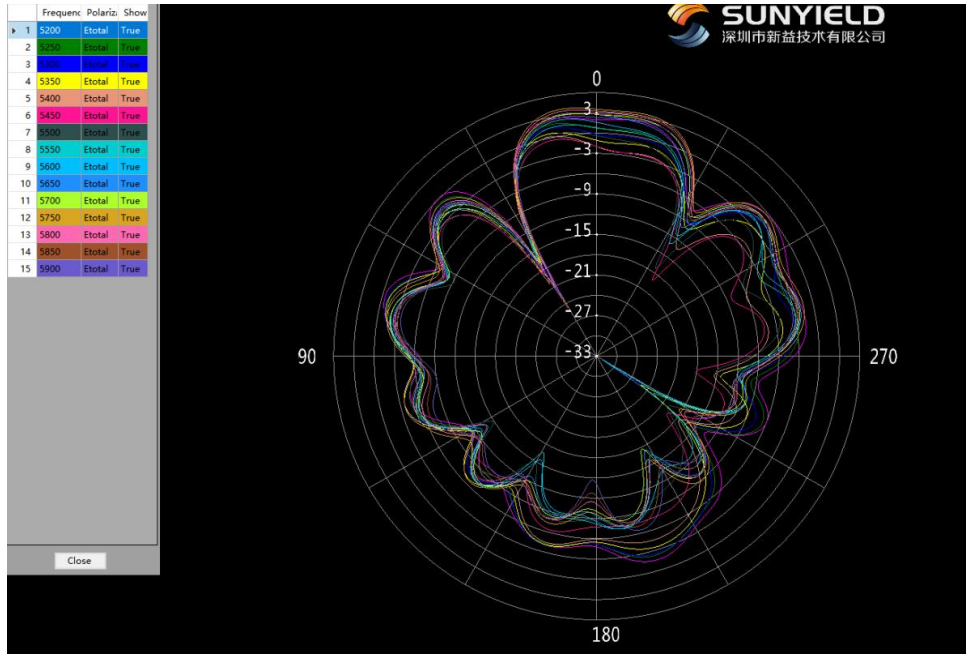




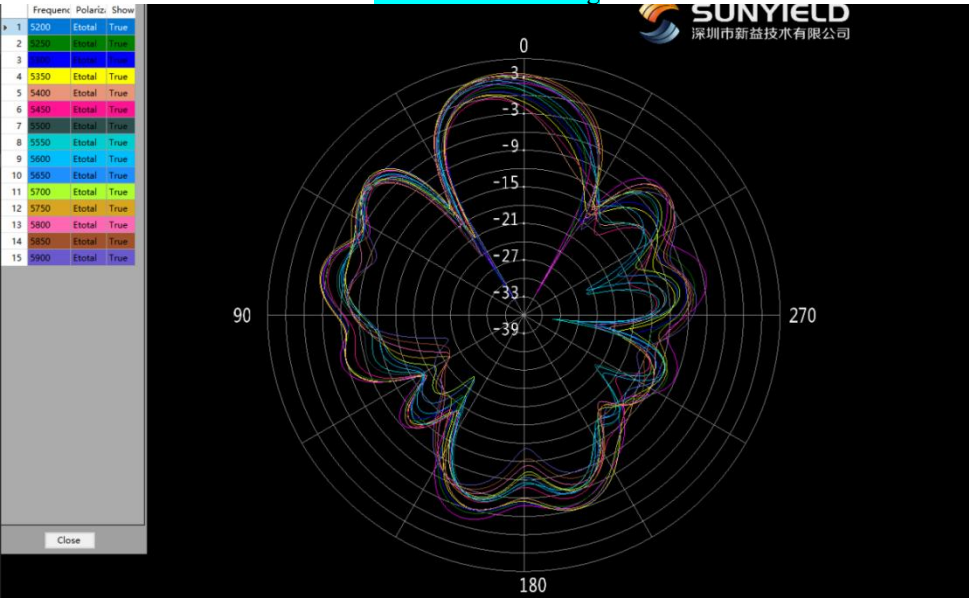
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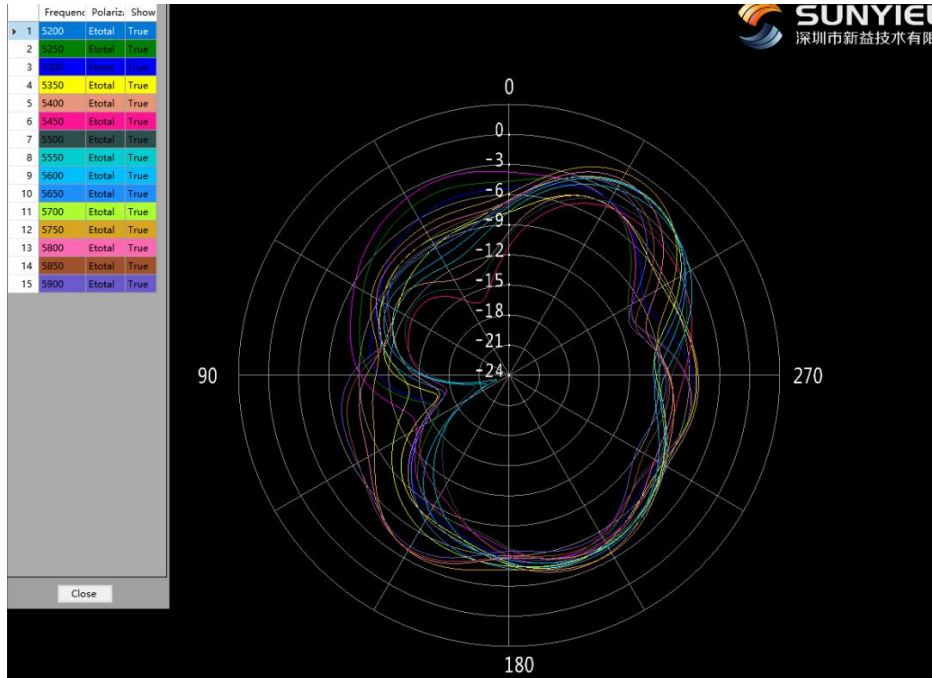
2.4G WIFI Theta=90deg



5.8G WIFI Phi=0deg



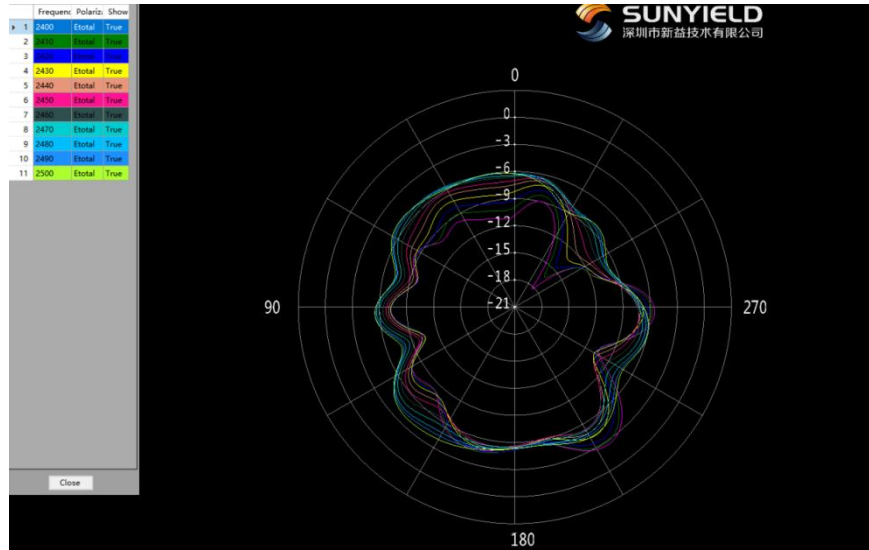
5.8G WIFI Phi=90deg



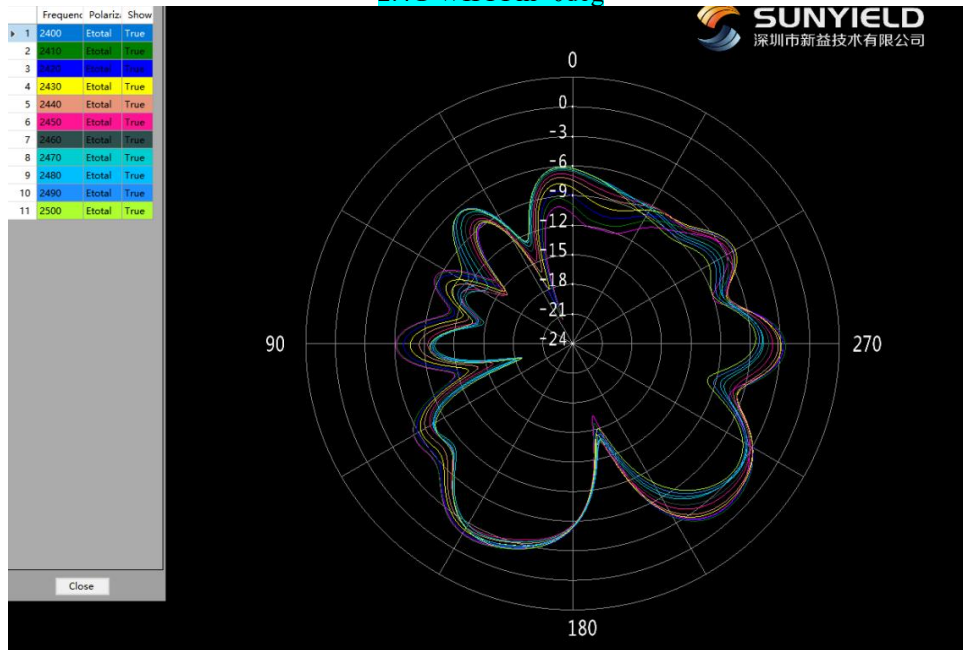
5.8G WIFI Theta=90deg

※ Antenna Gain

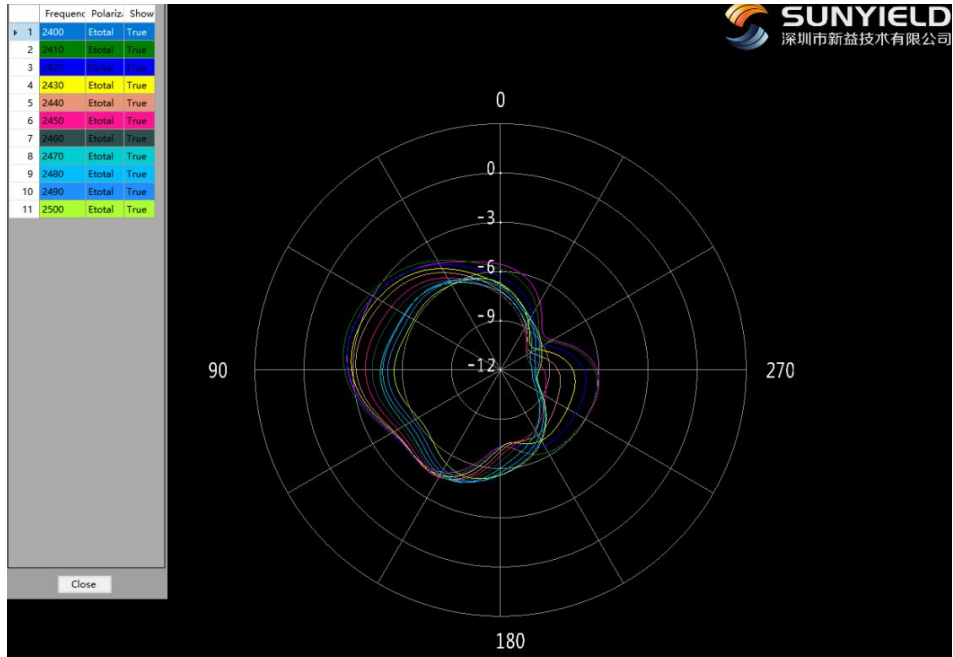
tenna  
ANT2



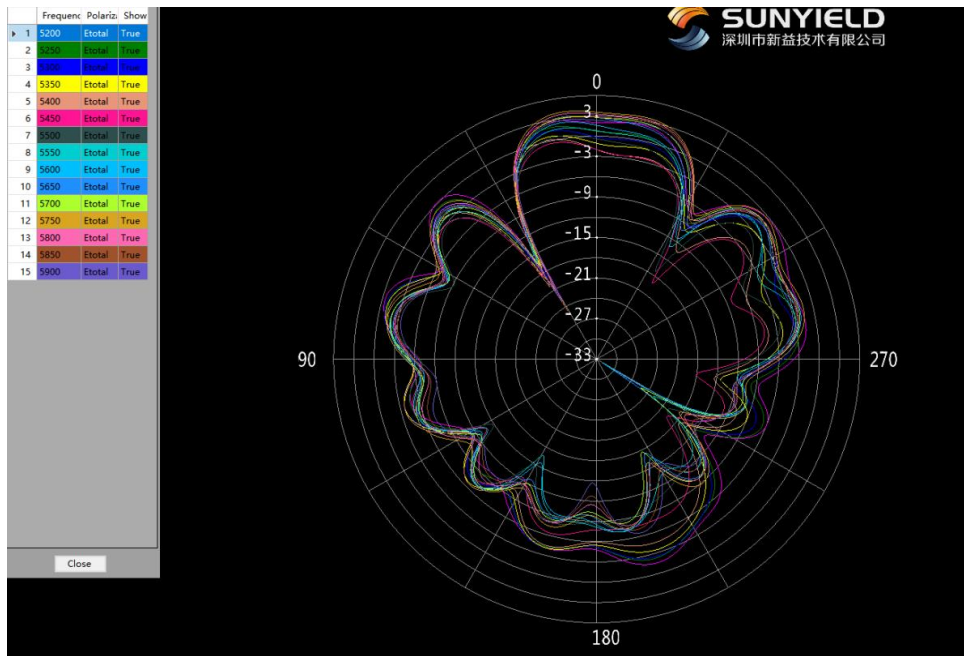
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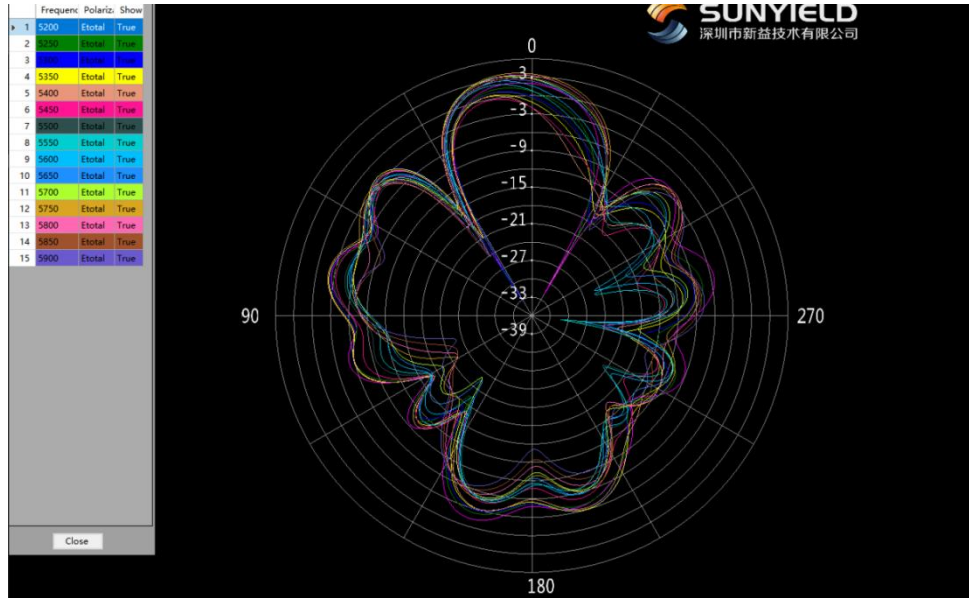
2.4G WIFI Phi=90deg



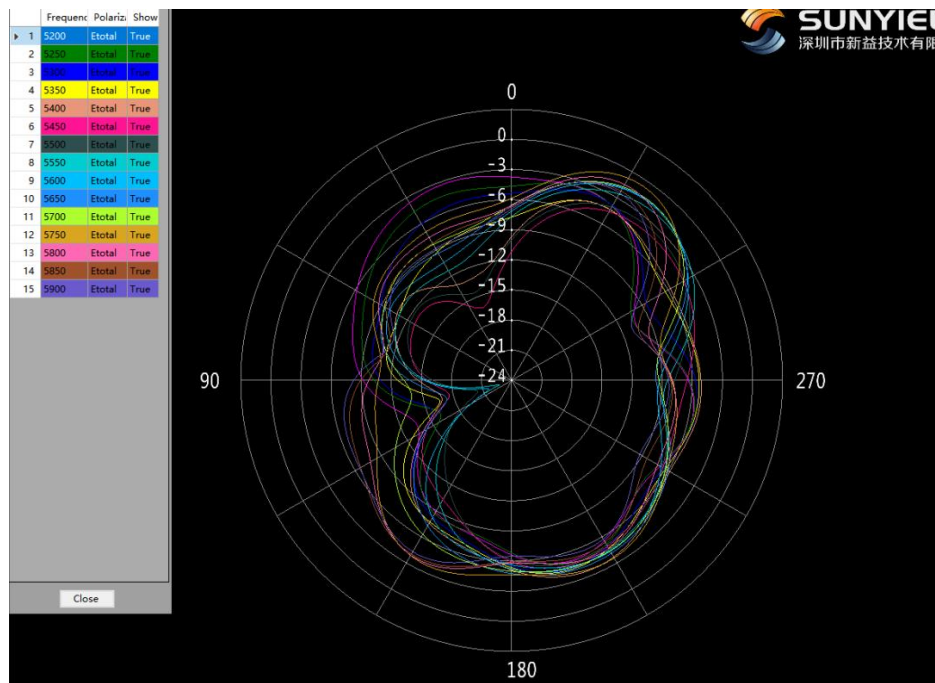
2.4G WIFI Theta=90deg



5.8G WIFI Phi=0deg



5.8G WIFI Phi=90deg



5.8G WIFI Theta=90deg

PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
			DATE:	