



样品承认书

Part Approved Sheet

深圳市三好无线通信有限公司

Shenzhen 3Good Wireless Communication Co., Ltd

客 户 Customer Name	传奇 SAGA		
客户型号 Customer Model	C051		
物料编码 Material code	CQ-C051		
主天线编码 main antenna	CQ-C051-01		
分集天线编码 diversity antenna	CQ-C051-02		
合一天线编码 Three in one antenna	CQ-C051-03		
版 本 version	T:A		
制作日期 date	2022.9.21		
编 制 staffing	RF 审核 Reviewer	结构审核 Structure of the audit	核准/盖章 Approved
朱坤 Zhukun	付雄 Fuxiong	李富伦 Lifulun	简辽 Jianliao
客户确认签章 customer signature:			

- 公司地址 Add: 深圳市宝安区大宝路 49-1 号金富来大厦 501-508
501-508, Jinfulai Building, No. 49-1 Dabao Road, Bao 'an District, Shenzhen
电话 Tel: 0755-23949781 传真 Fax: 0755-82579569



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1. 项目基本信息和图片：

Basic information and pictures of the project

1.1 项目基本信息 Project Information

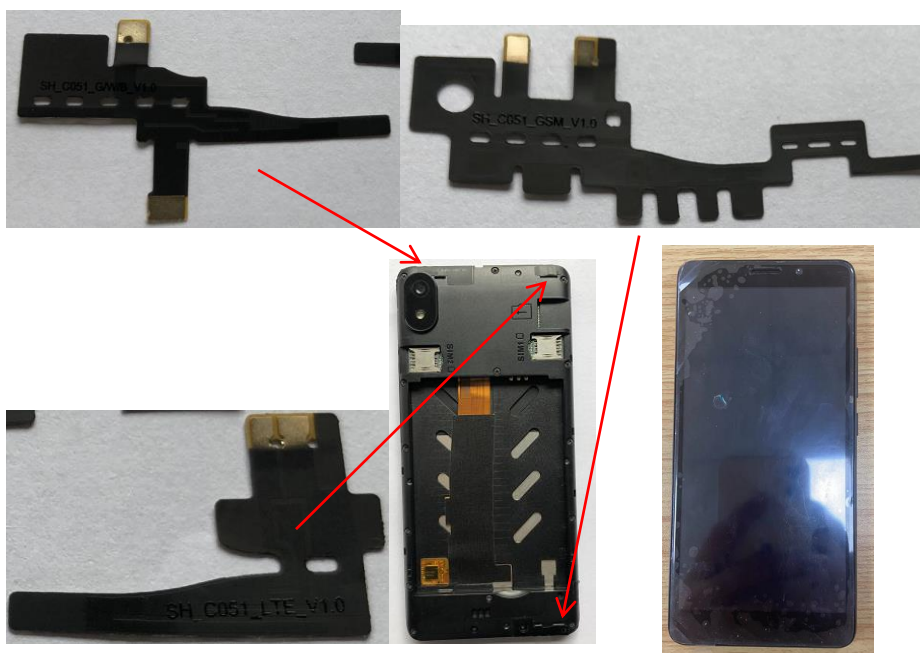
整机类型 product type	直板智能机 Straight board smart machine
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天线材质 The antenna material	FPC
频段 Antenna band	GSM850/900/1800/1900 WCDMA1/2/4/5 LTE 2/4/5/12/17/30/66
工作频率 frequency	699Mhz-960Mhz 1710Mhz-2690Mhz

1.2 手机外观及天线样品图

Cell phone appearance and antenna sample diagram



2. 电性能 Electrical Properties

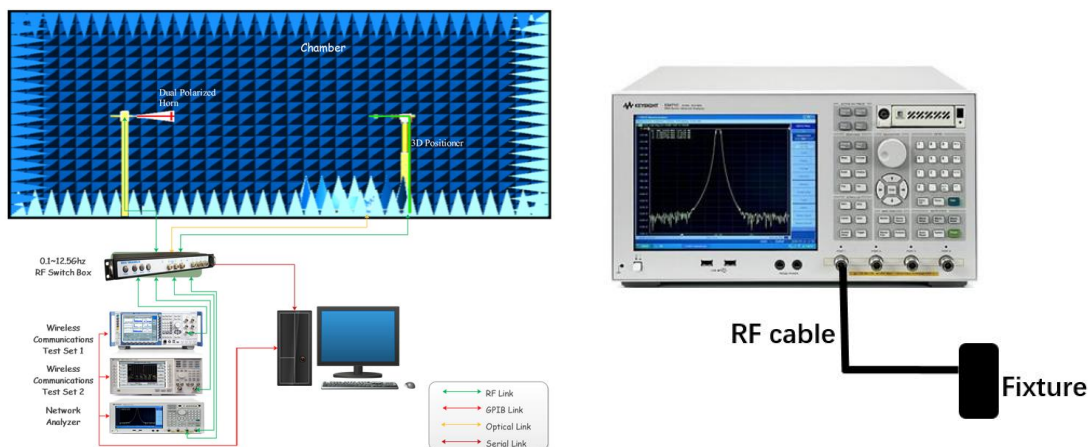
2.1 电性能项目 Electrical Properties

Passive Test	S11	VSWR/R.L/Simth Chart
	S21	Isolation
	S21	Effi./Gain
Active Test	TRP	Total Radiated Power
	TIS	Total Istropic Sensitivity

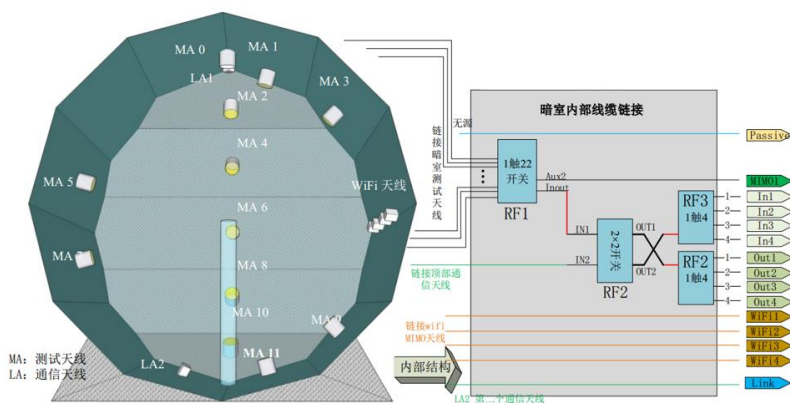
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2.1.1 测试方法和测试设备 Test methods and test equipment

2.1.2 S11 TEST 测试



单探头测量系统 Single probe measuring system



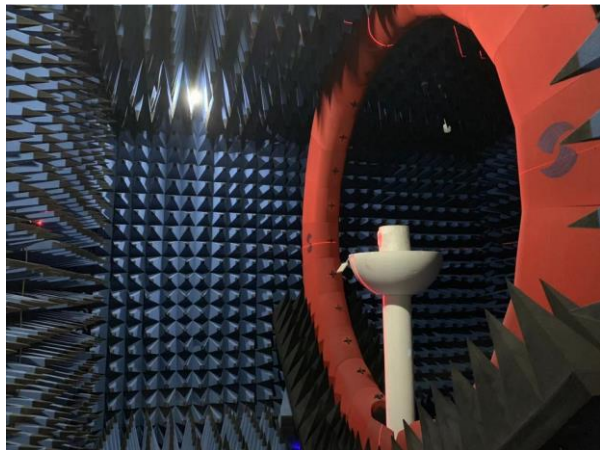
2.1.3 测试暗室图片 Test darkroom pictures



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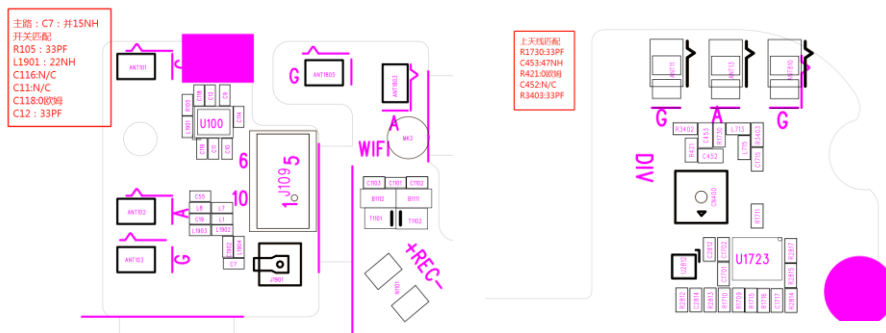
微波暗室外部图（暗室+机柜设备） External picture of microwave anechoic chamber (anechoic chamber + cabinet equipment)



3. 整机环境处理和天线匹配电路 Environment handling and antenna matching circuit



3.1 天线匹配电路 Antenna matching circuit



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4. 测试数据 Test data

4.1 无源测试 Passive testing

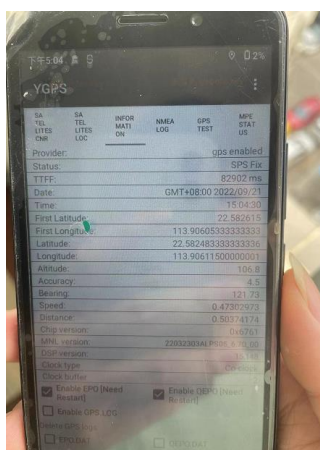
4.1.1 S11(VSWR/RL/Simth Chart) test data

NC

4.1.2 S21 (Effi./Gain) test data

Band	GSM850	GSM900	DCS1800	PCS1900	W1	W2	W4	W5
Gain	0.62	0.52	0.55	0.61	0.75	0.52	0.68	0.74
Band	FDD 2	FDD 4	FDD 5	FDD 12	FDD 17	FDD 30	FDD 66	
Gain	0.75	0.55	0.62	0.52	0.44	0.41	0.52	
Band	BT	2.4G WIFI	GPS	5G wifi				
Gain	1.69	1.7	1.86	0.14				

4.2 GPS/WIFI/BT



4.3 测试结论 Test Verdict

指标满足 GSM850/900/1800/1900 WCDMA2100/1900/1700/850 LTE2/4/5/
12/17/30/66 正常天线指标

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GPS/WIFI/BT 实际测试性能 OK

注意：本天线只适用于调试样机，任何主板版本有变更或者射频物料更改，手机配件（如麦克风，屏，喇叭，马达等）有变动，都必须经过我司测试验证后方可使用

The specifications meet GSM850/900/1800/1900 WCDMA2100/1900/1700/850 LTE2/4/5/12/17/30/66 Normal antenna specifications

The actual GPS/WIFI/BT test performance is OK

Note: This antenna is only suitable for debugging the prototype. Any changes in the motherboard version or RF material or mobile phone accessories (such as microphone, screen, speaker, motor, etc.) must be tested and verified by our company before use

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12/17/30/66 Normal antenna specification

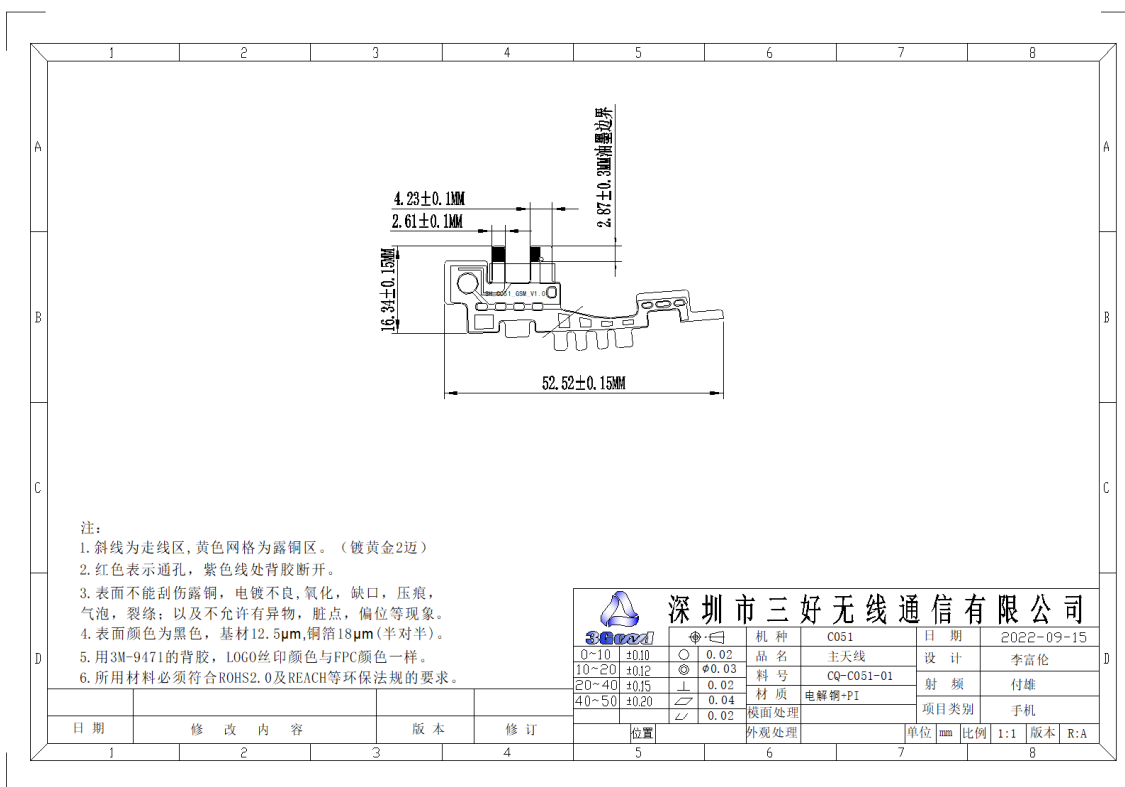
The actual GPS/WIFI/BT test performance

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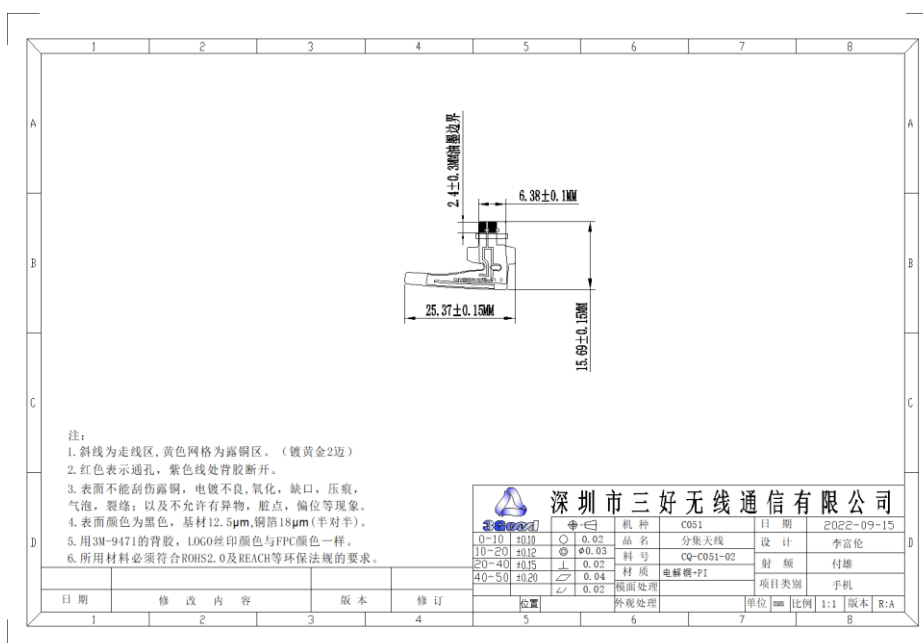
5. 工程图纸 Engineering drawings

5.1 The main antenna

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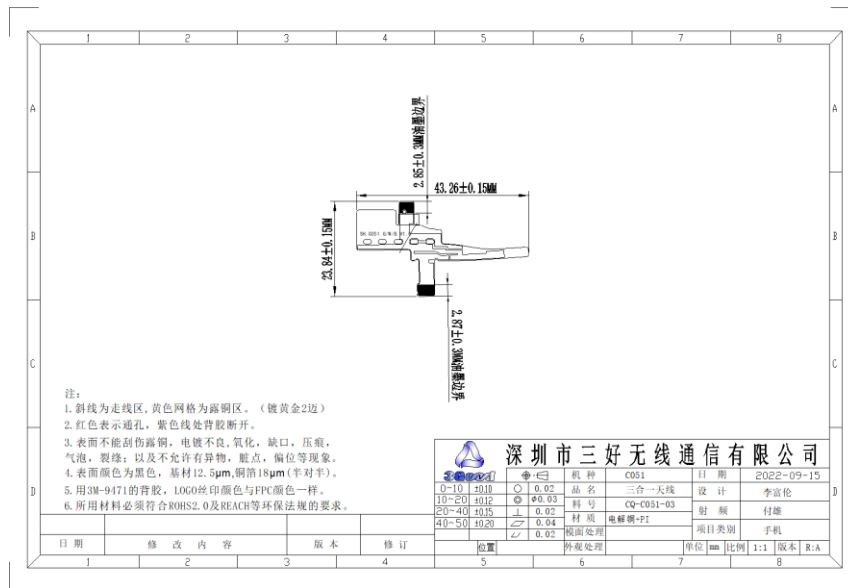


5.2 分集天线 Diversity antenna



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5.1 三合一天线 Three-in-One antenna



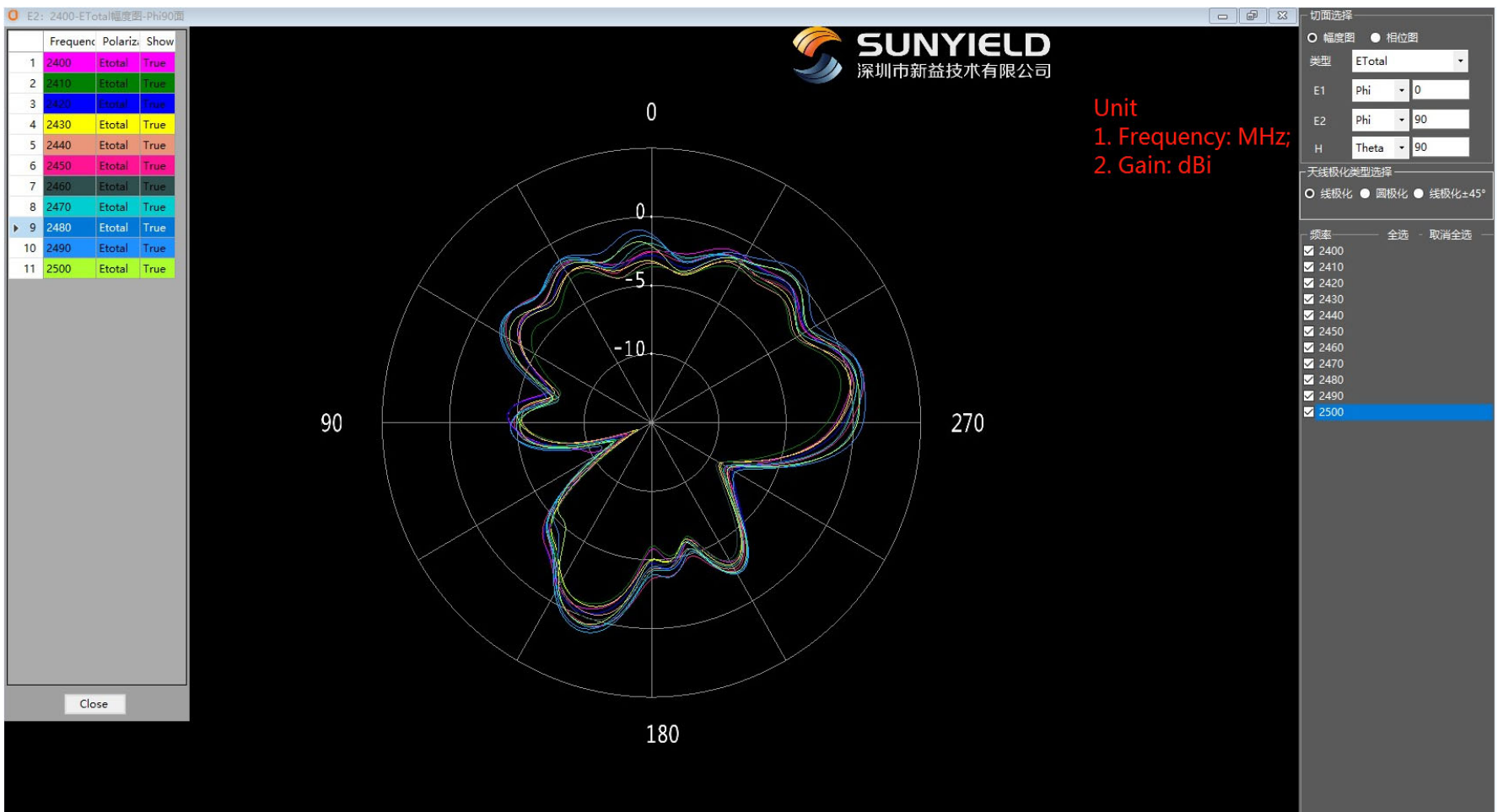
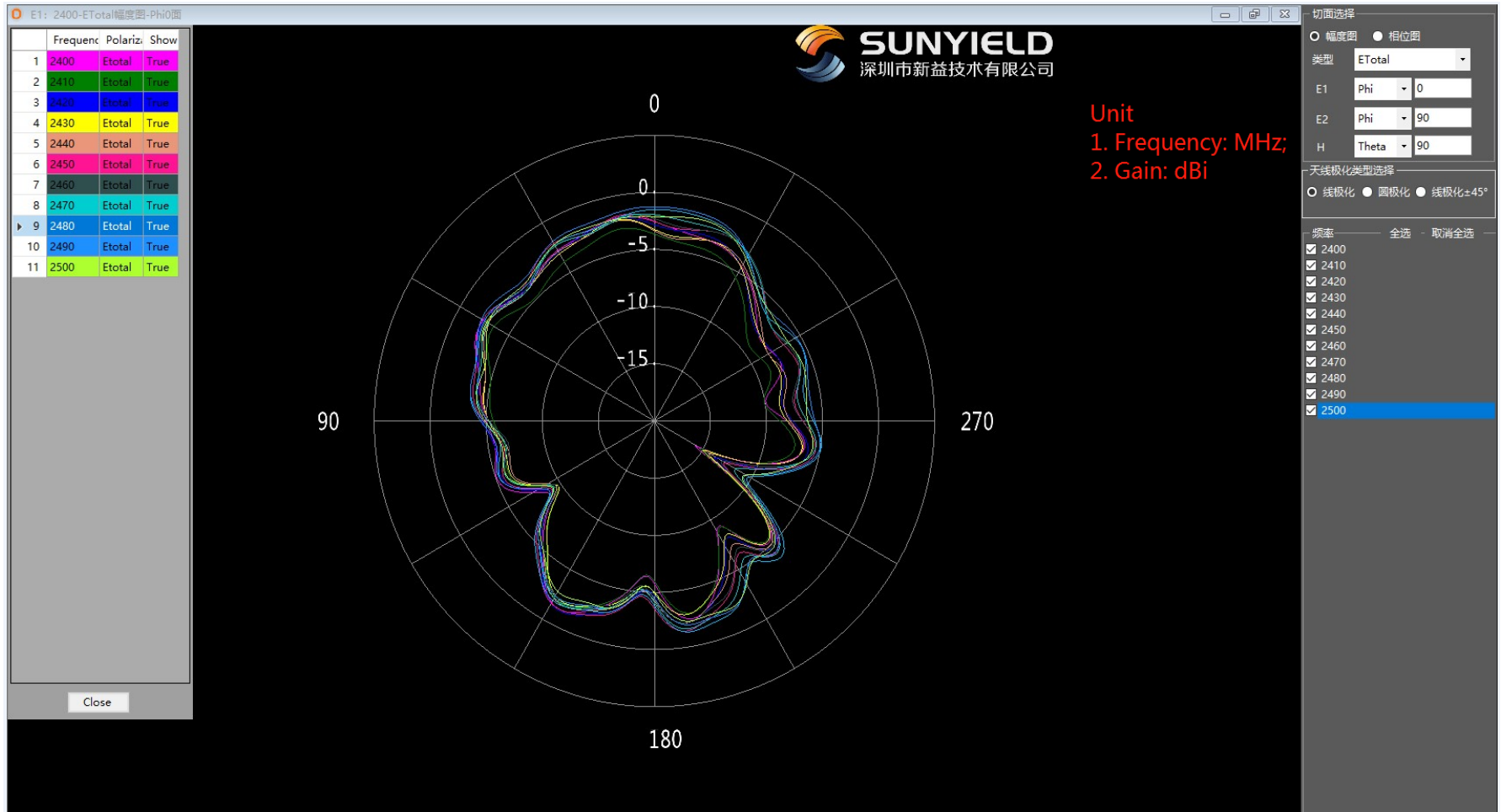
6. BT WIFI 方向性测试报告 BT WIFI directionality test report

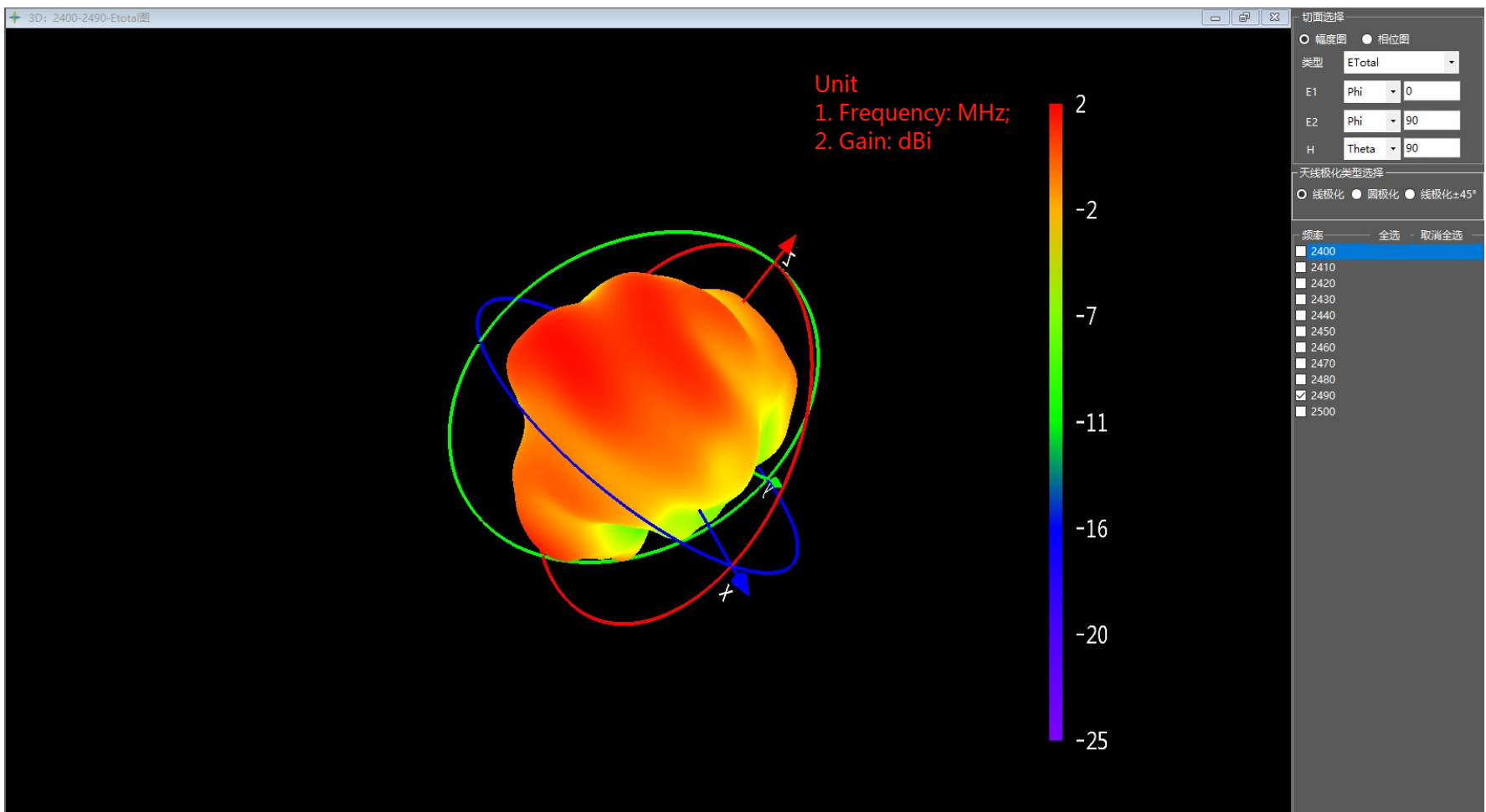
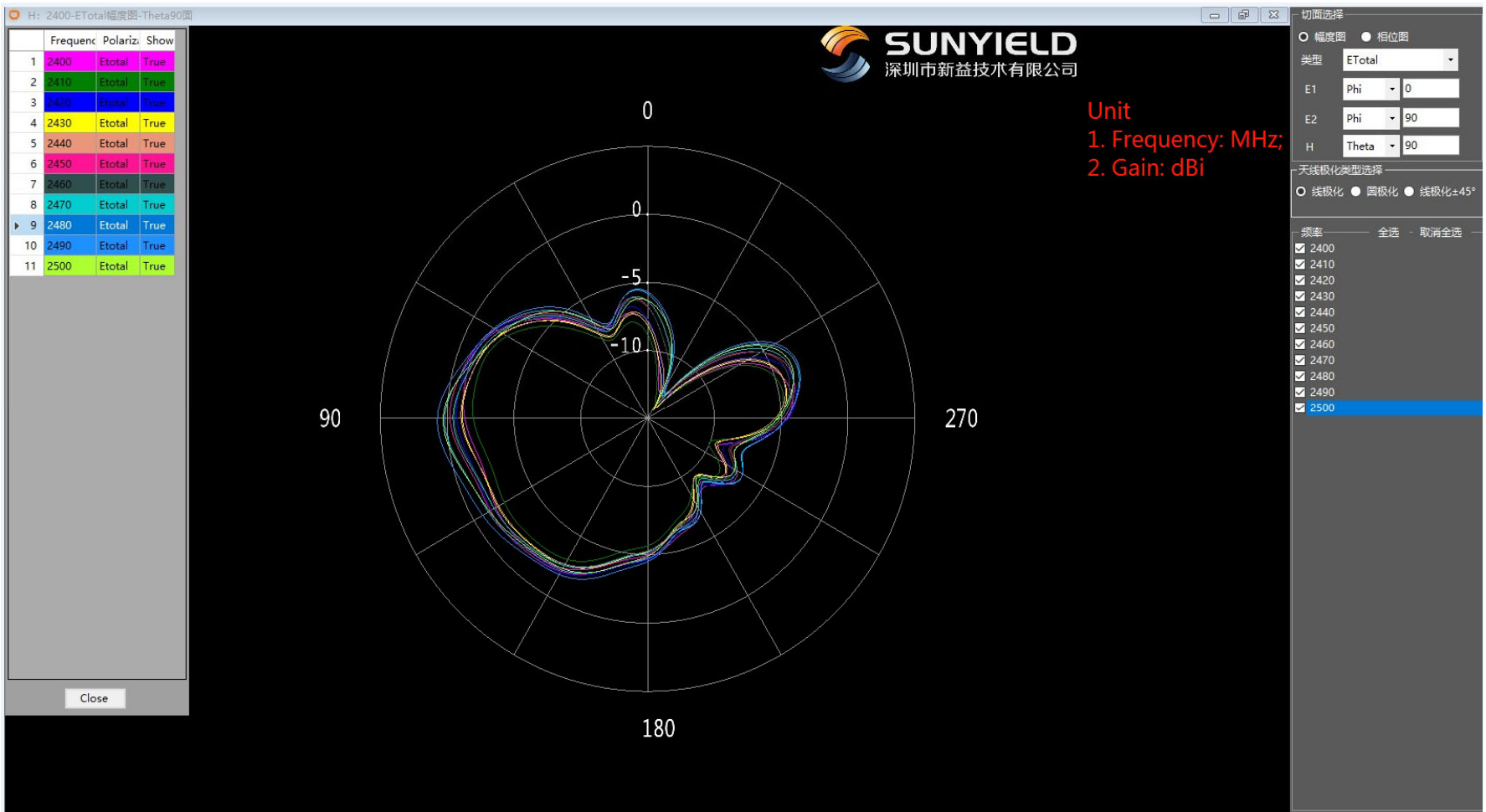
Please see the attachment inserted

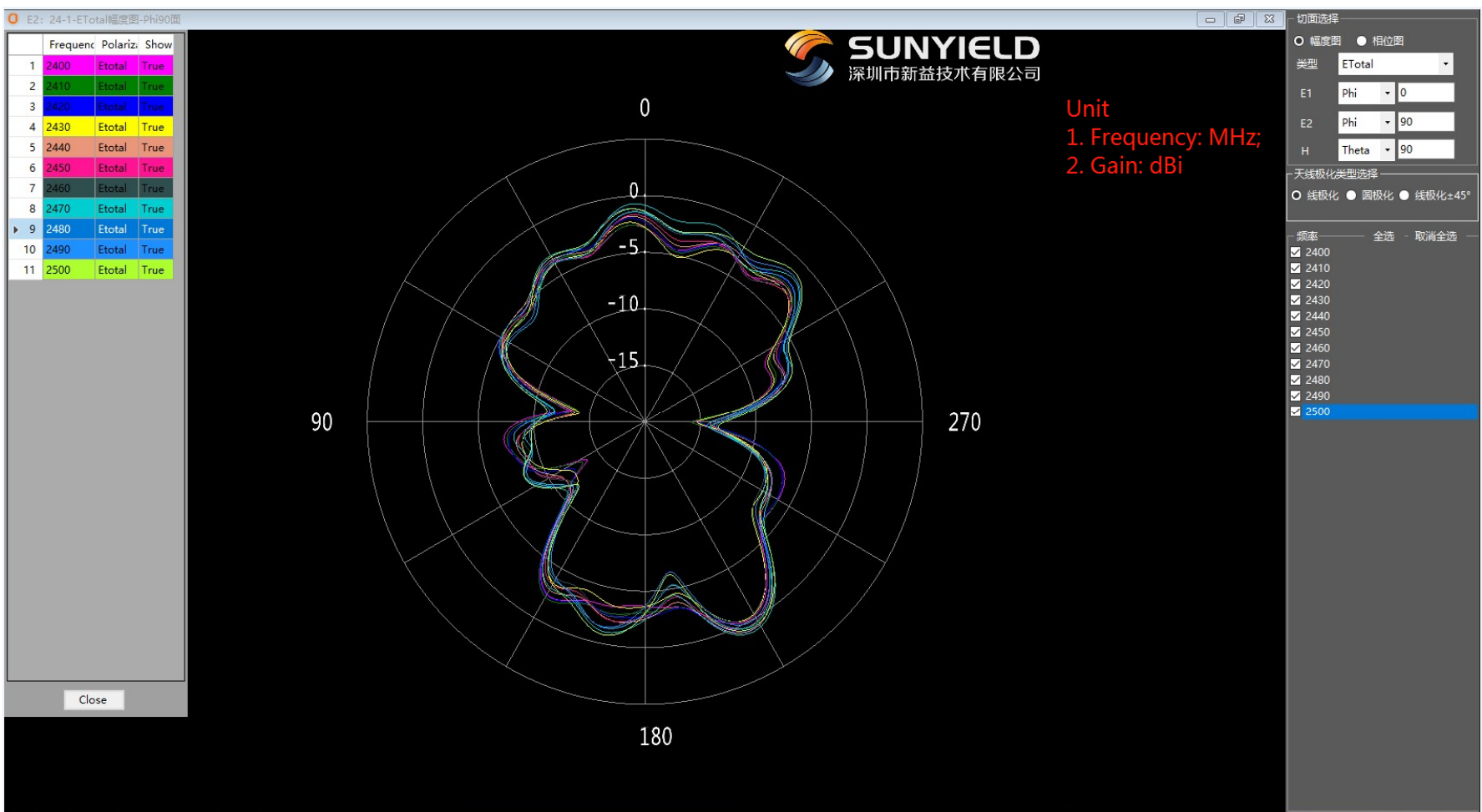
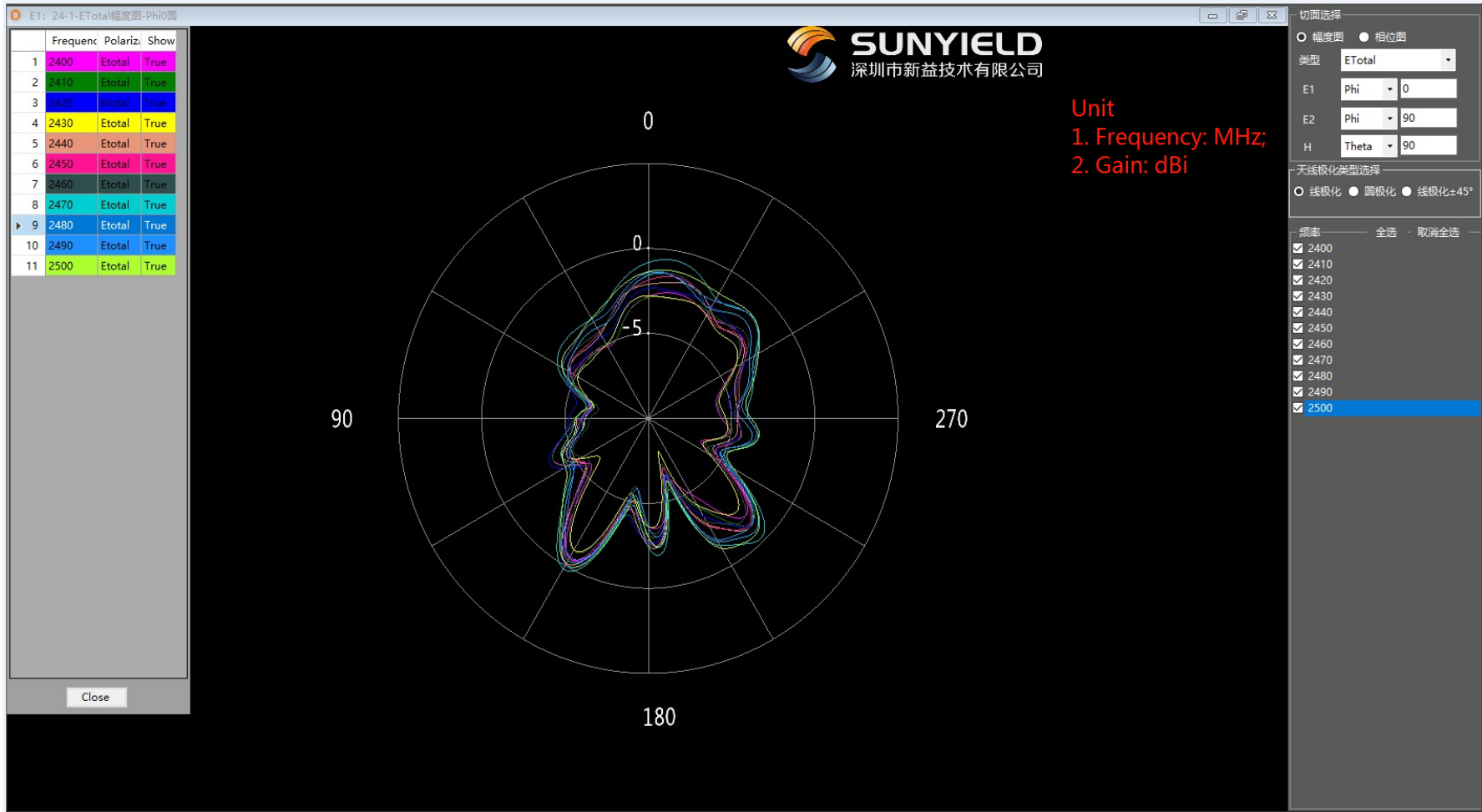
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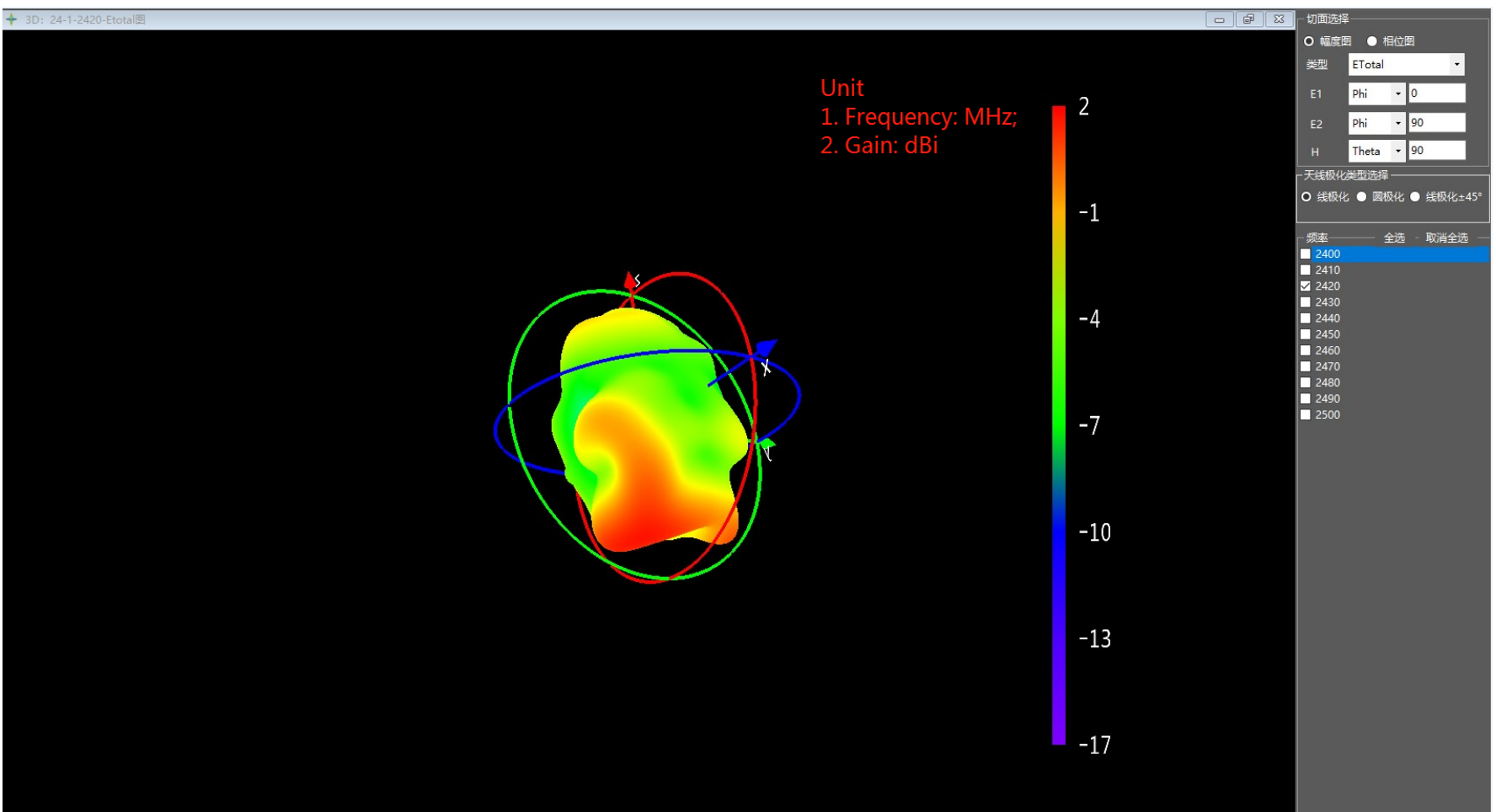
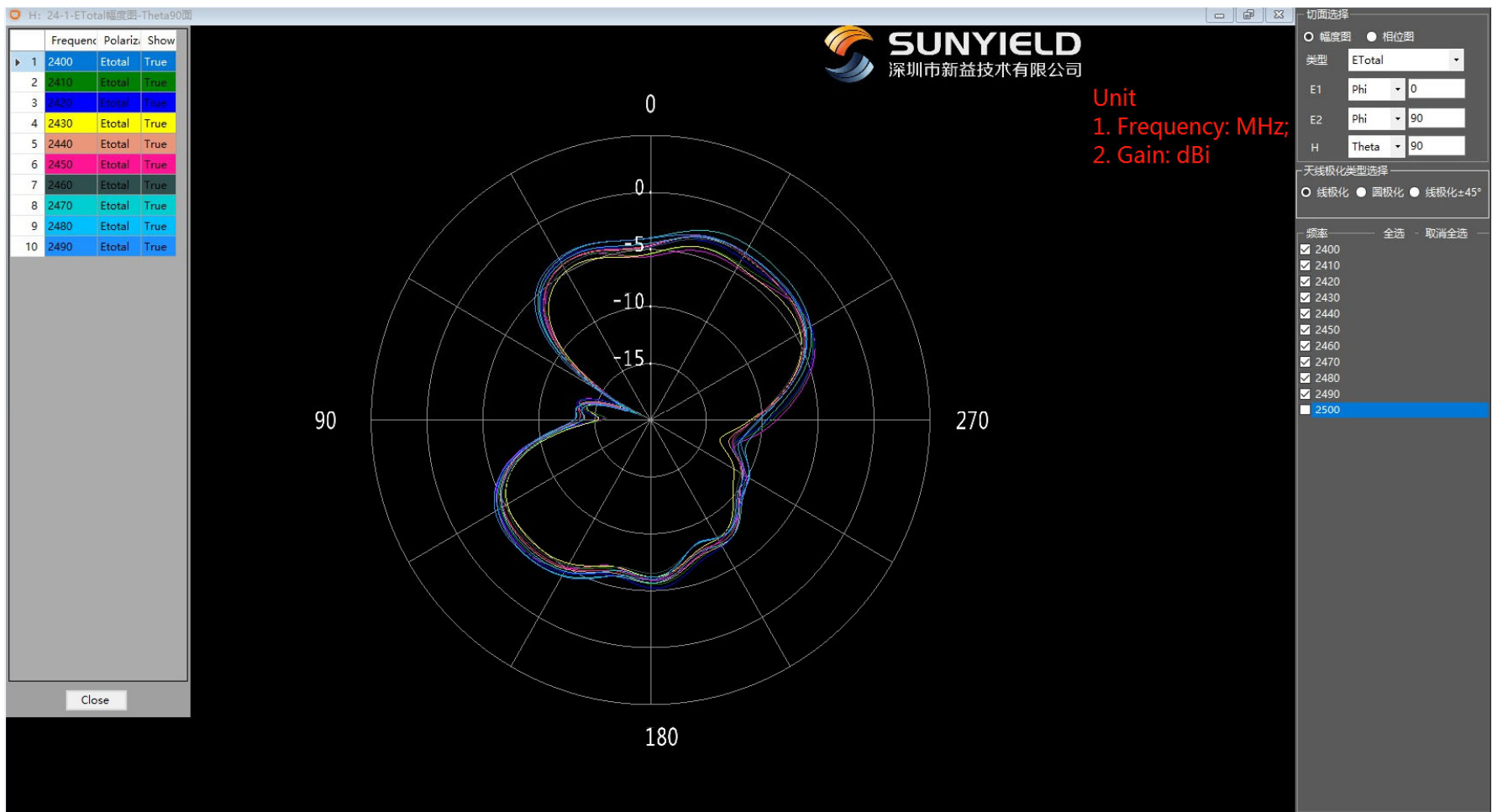
RF Tech	BT	2.4G Wi-Fi	GPS	5G Wi-Fi
Max Peak Gain (dBi)	1.69	1.7	1.86	0.14

2. 4GWIFI









5G WIFI

