

# Shenzhen Saiwei Communication Technology Co., Ltd

## Antenna test report

Customer Jiawei

Project name: A519(C39-V1.3)

Reporting time: 20240718

Saiwei - Sai is far away, and Wei is eternal!

# Catalogue

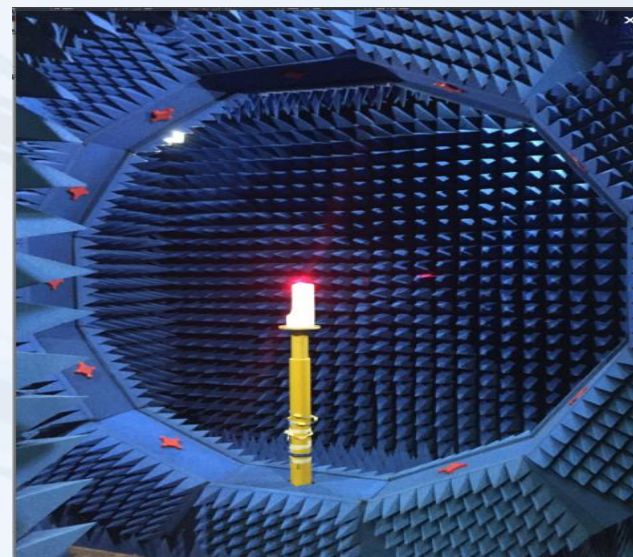
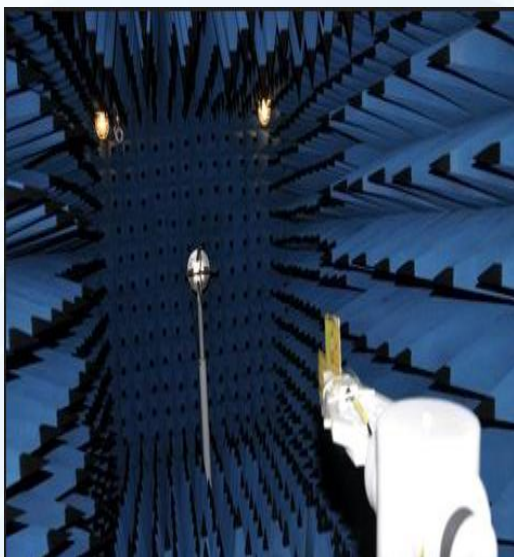
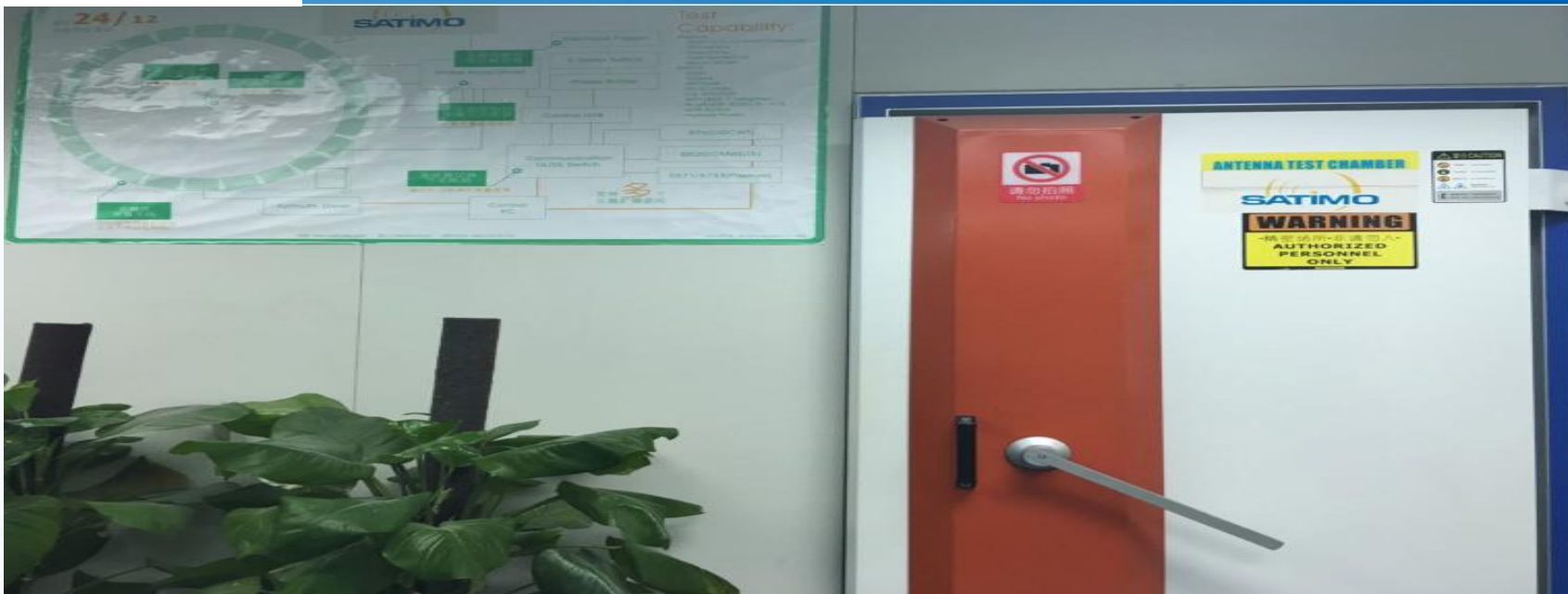
- Introduction to project debugging
- Report version feed
- Test environment
- Main antenna matching circuit
- Main antenna dark room data
- Additional instructions

# Introduction to project debugging

Type	Smart phone						
Plate type	Motherboard						
Antenna Overview	Main antenna	Frequency band		Premature line status	Yao line form	Design area	Matching changes
		2G		FPC	PIFA		
		3G					
		4G					
	Other antennas	BT	2. 4G		PIFA		
		433	433M				
		Episodes			PIFA		
Prototype status				Environment al treatment			

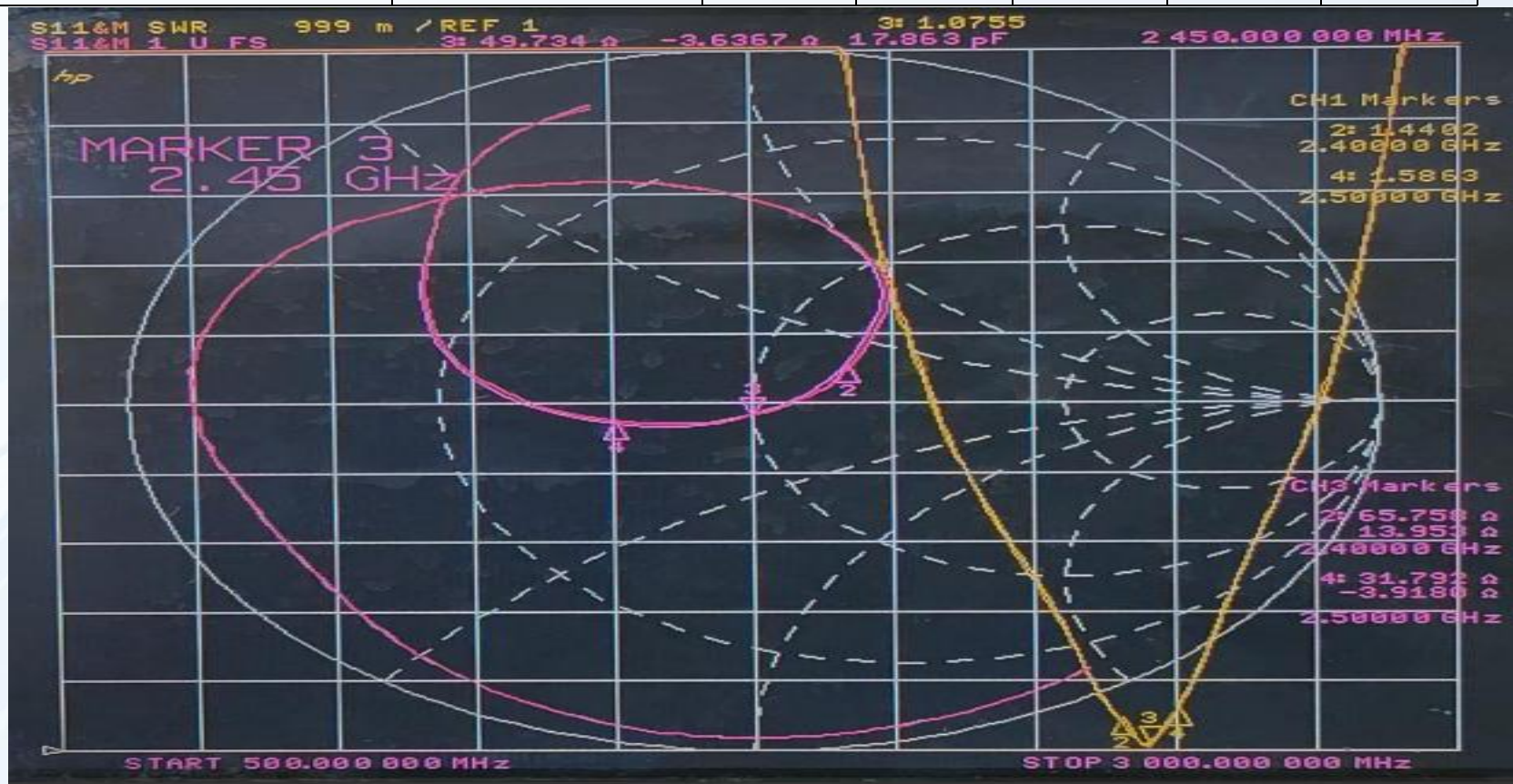
# Report version feed

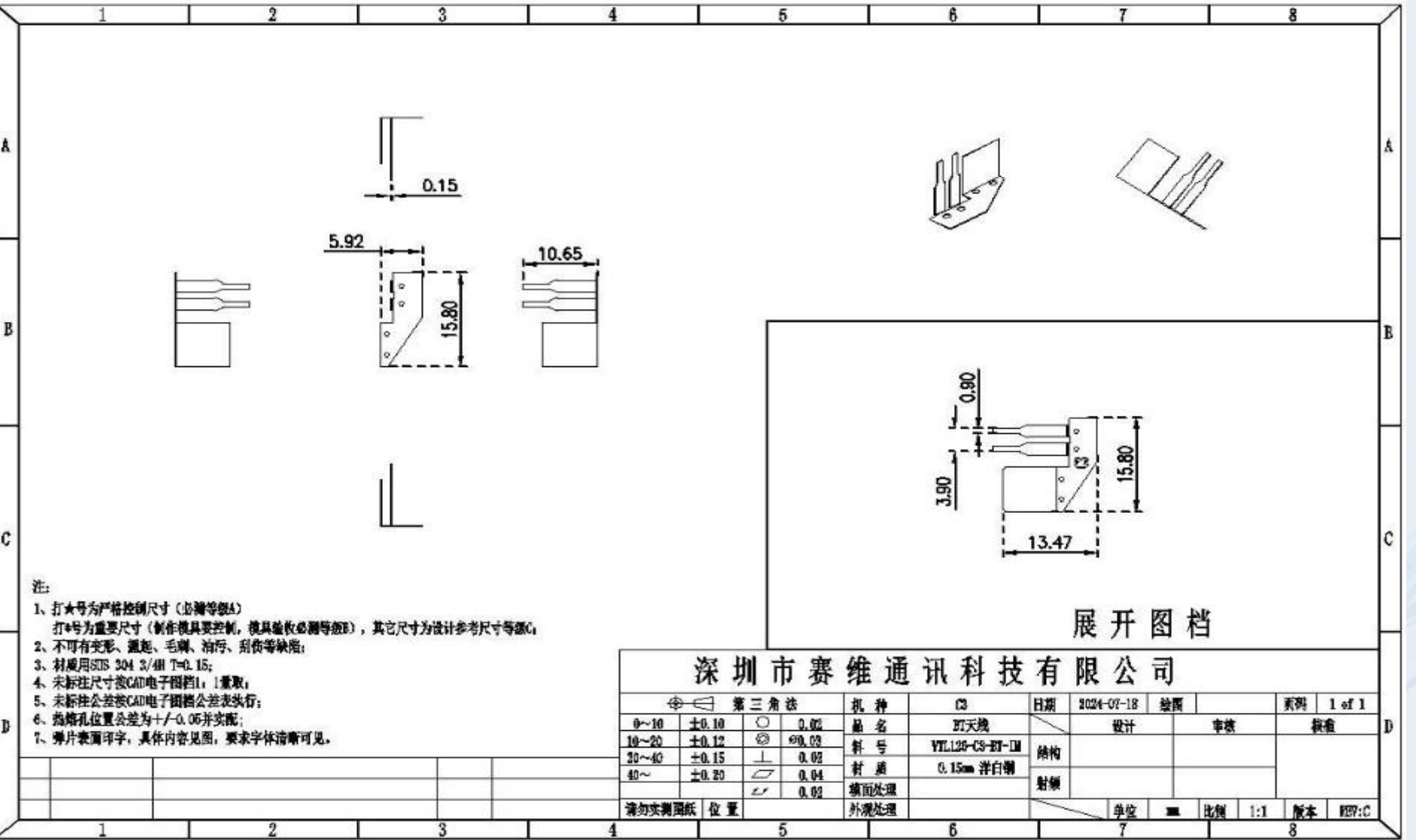
Edition	Date	Overview of meat
V1	20240702	Test data





Frequency ID	1	2	3	4	5	6
Frequency (MHz)	2400	2420	2440	2460	2480	2500
gain (dBm)	1.35	1.34	1.42	1.58	1.30	1.32
Efficiency (%)	53.4%	54.9%	55.7%	55.2%	54.9%	53.6%





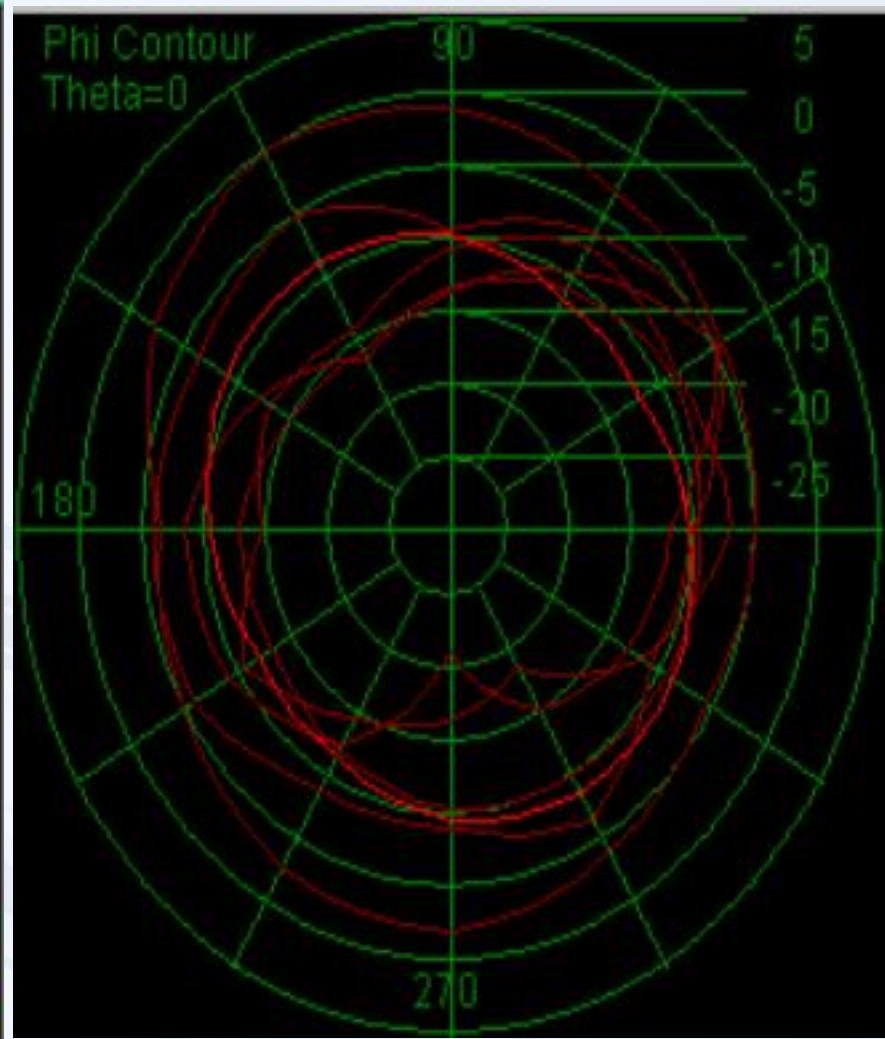
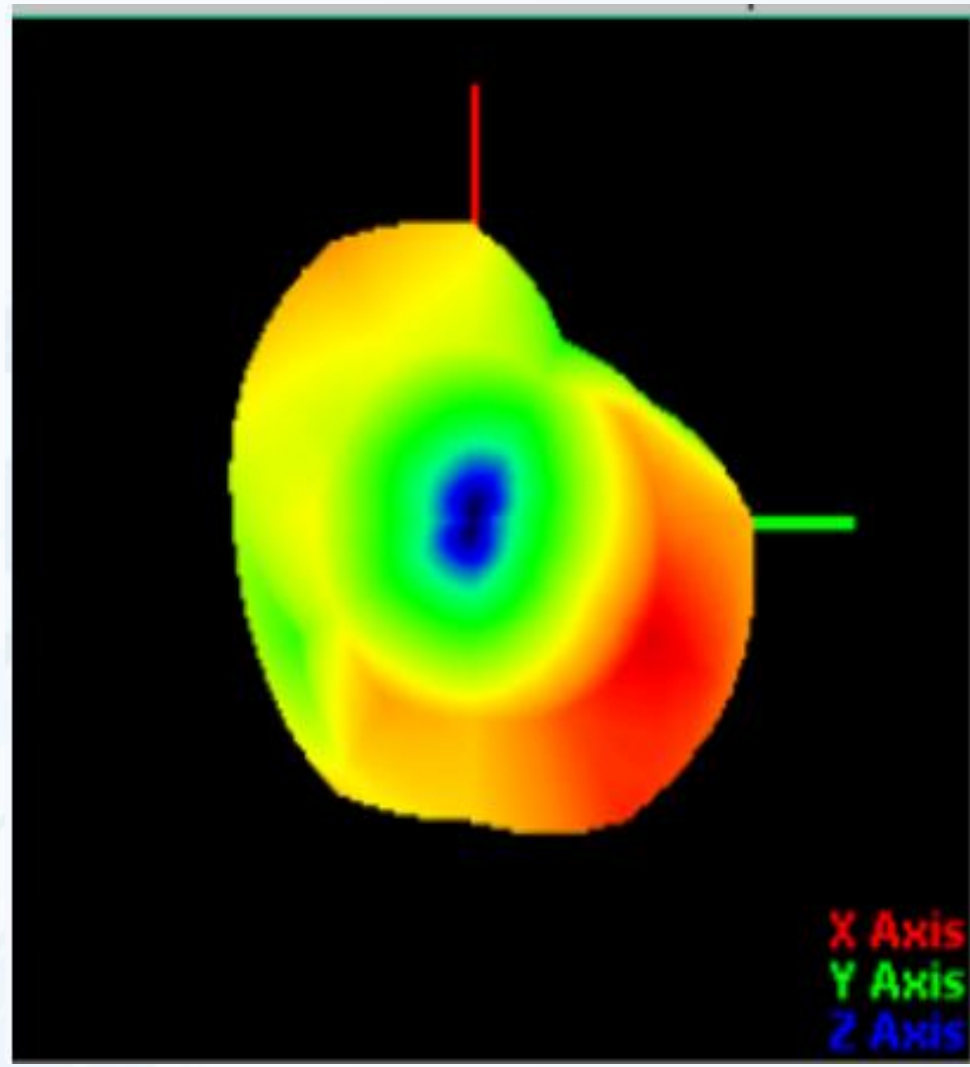
注:

- 1. 打★号为严格控制尺寸(必须等级A)
- 打\*号为重要尺寸(制作模具要控制, 模具验收必须等级B), 其它尺寸为设计参考尺寸等级C;
- 2. 不可有变形、翘起、毛刺、油污、刮伤等缺陷;
- 3. 材质用SUS 304 3/4H T=0.15;
- 4. 未标注尺寸按CAD电子图档1:1量取;
- 5. 未标注公差按CAD电子图档公差表执行;
- 6. 插焊孔位置公差为 $\pm 0.05$ 并配钻;
- 7. 薄片表面印字, 具体内容见图, 要求字体清晰可见。

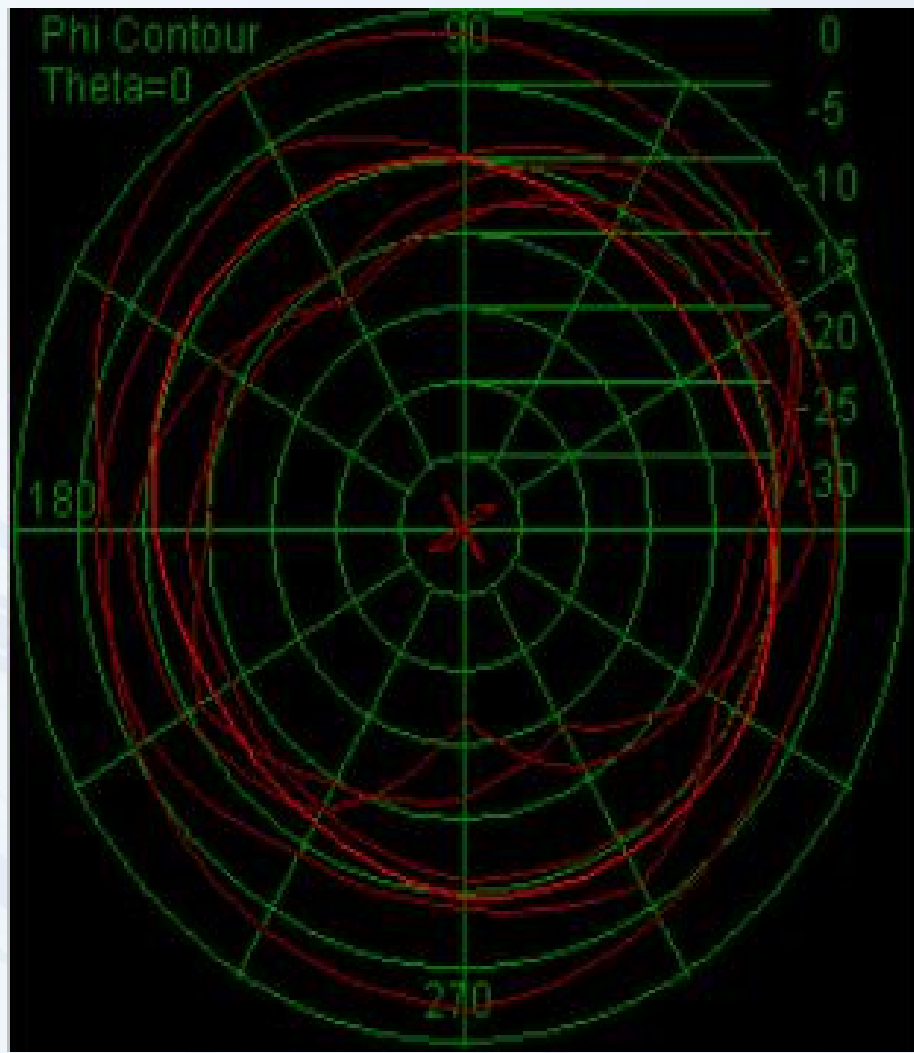
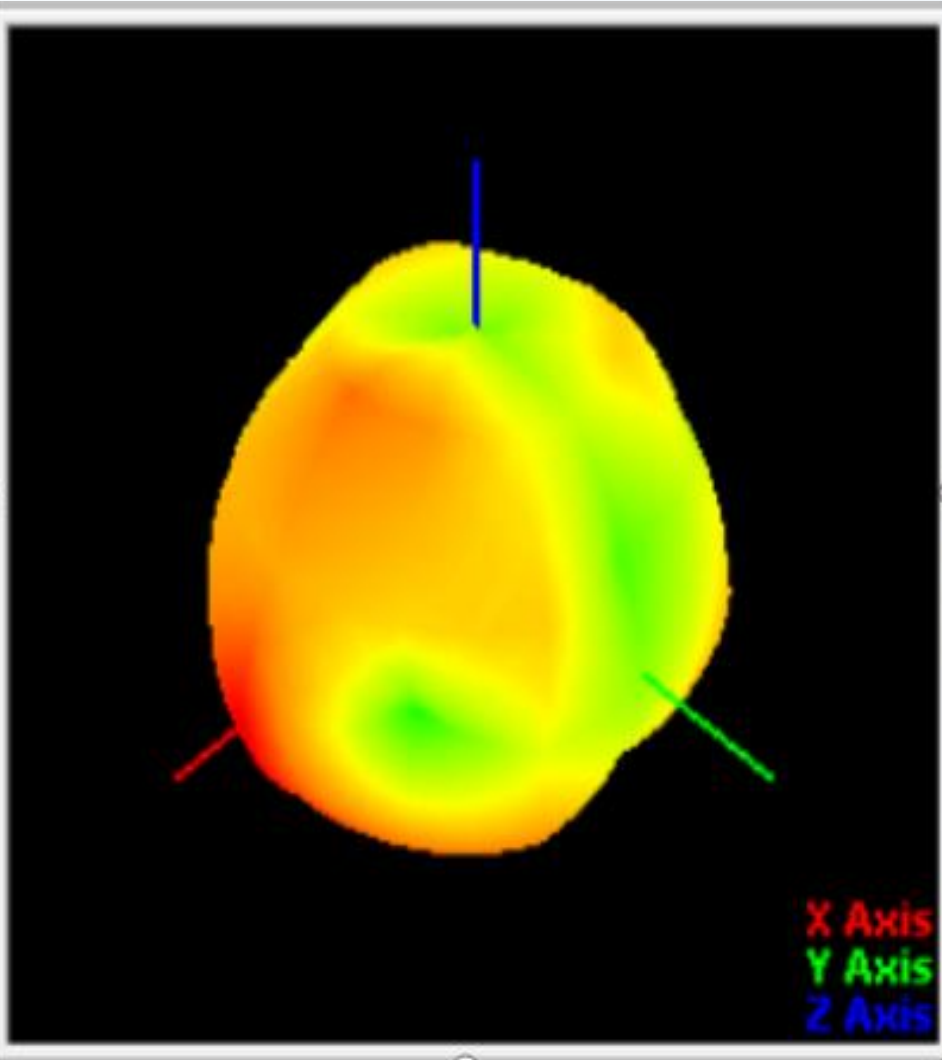
展开图档

深圳市赛维通讯科技有限公司

第三角法				机种	C3	日期	2024-07-18	绘图			页码	1 of 1
0~10	±0.10	○	0.05	品名	BT天线	结构 射頻	设计	审核	核准			
10~20	±0.12	⊗	0.03	料号	VTL120-CS-BT-01							
20~40	±0.15	⊥	0.02	材质	0.15mm 洋白铜							
40~	±0.20	∠	0.04	表面处理								
请勿实测图纸				位置	外观处理	单位		mm	比例	1:1	版本	REV:C

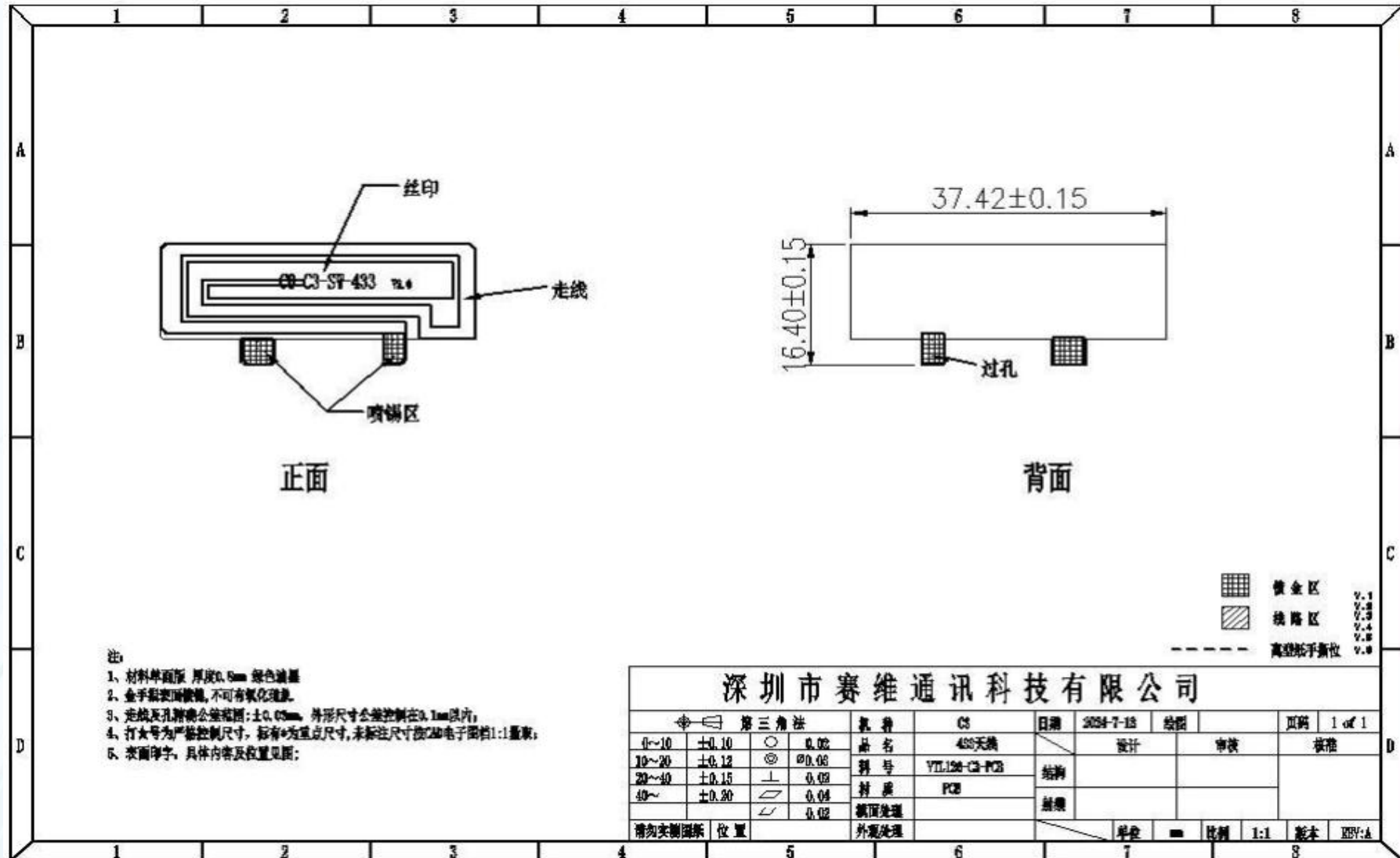


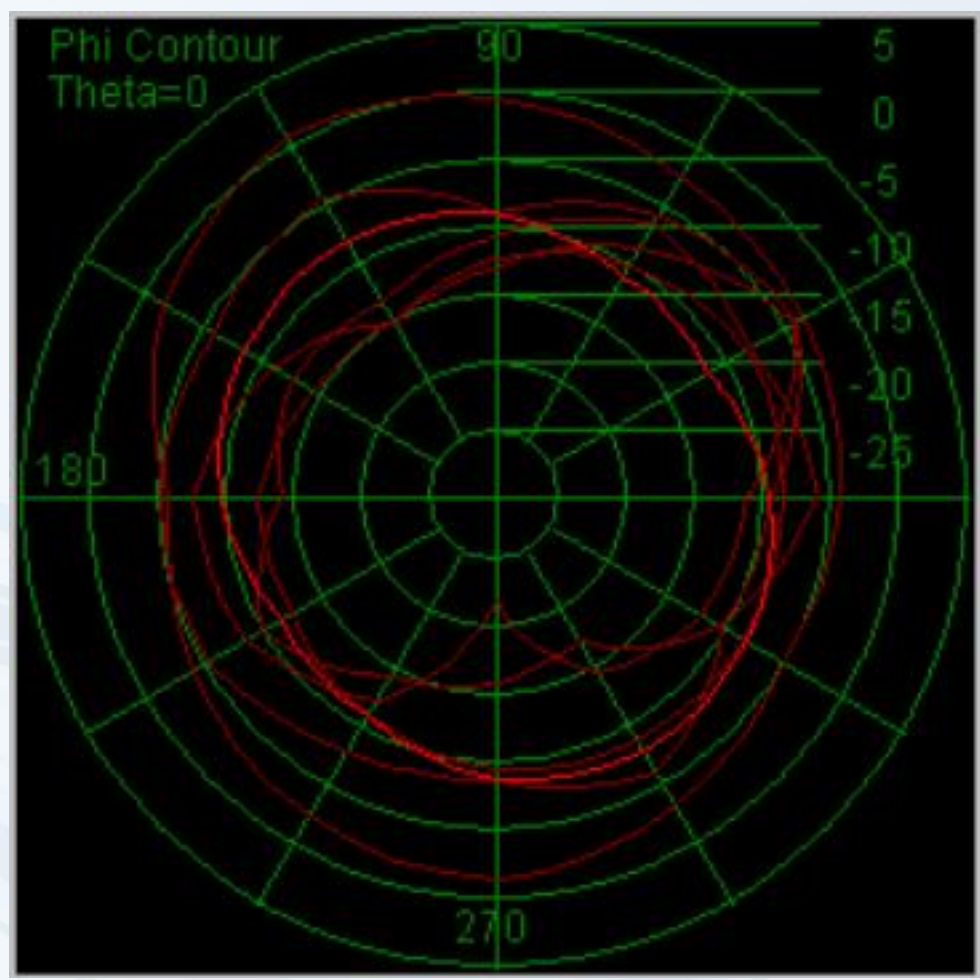
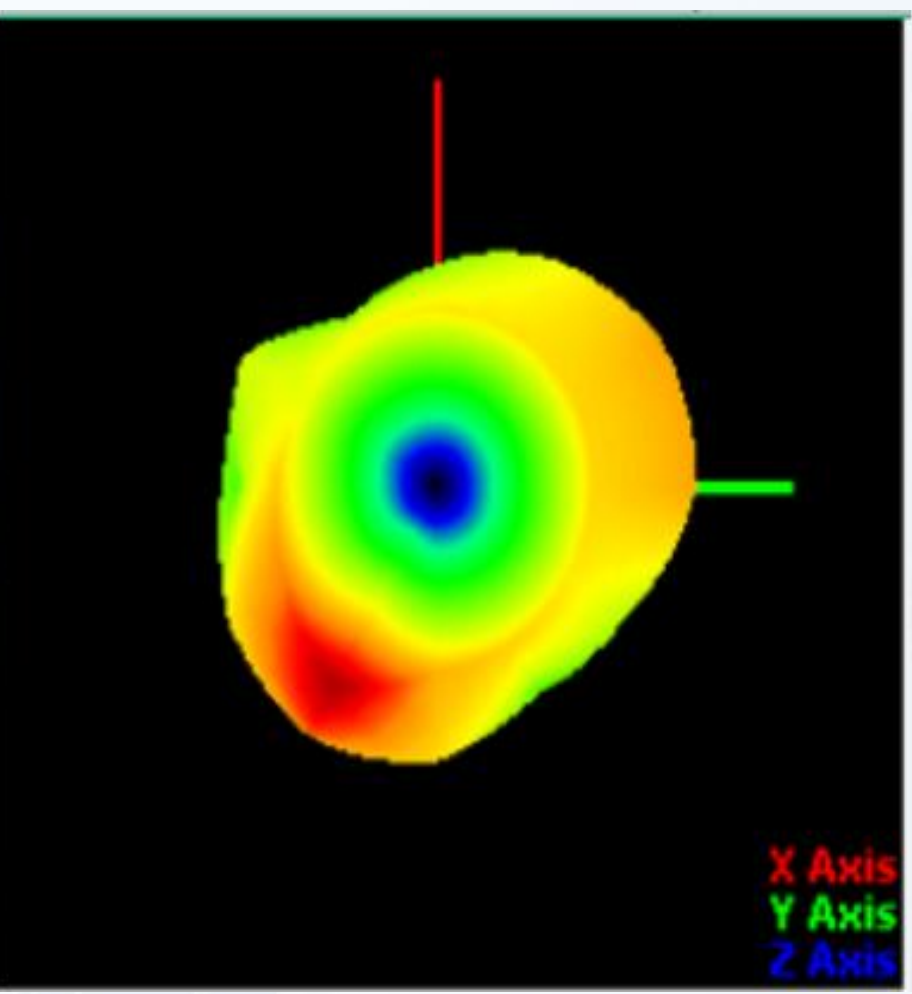




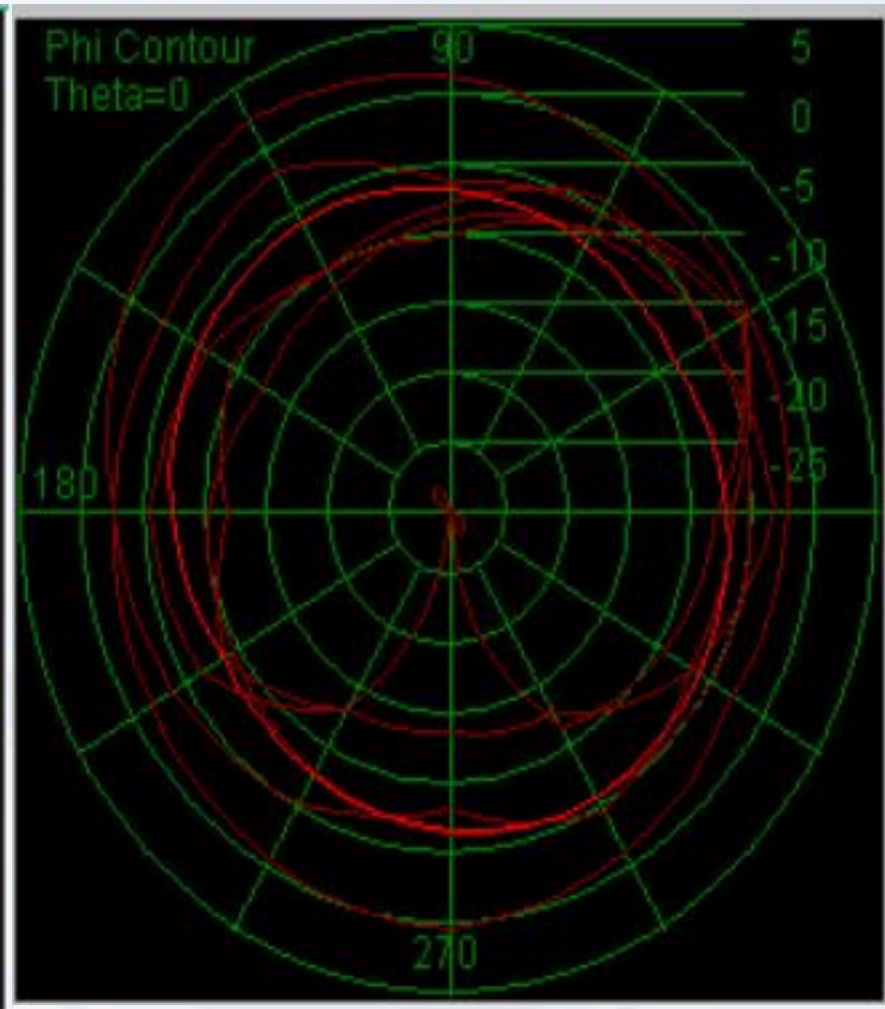
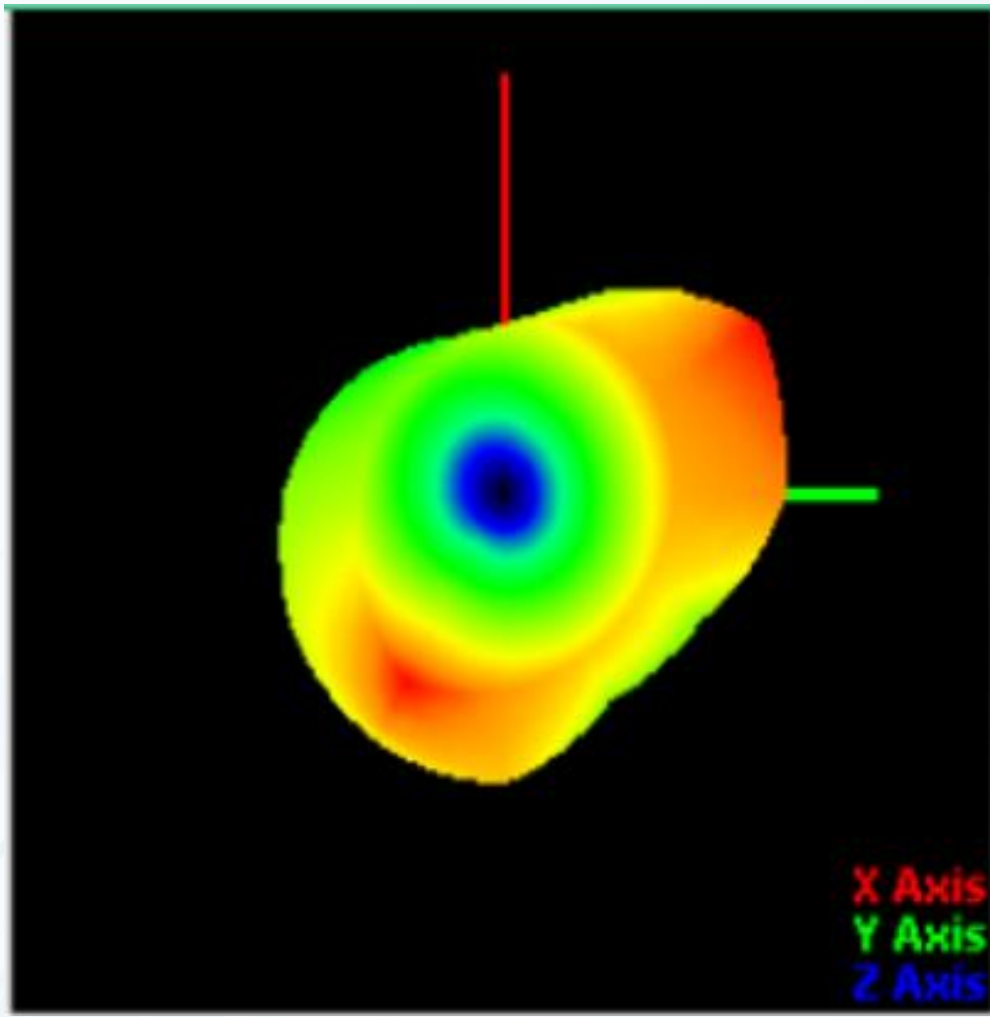
Frequency ID	1	2	3	4	5	6	7	8	9	10
Frequency (MHz)	410	415	420	425	430	435	440	445	450	455
gain (dBi)	-5.1	-4.85	-4.61	-4.59	-4.41	-4.35	-4.51	-4.71	-4.92	-5.22
Efficiency (%)	31.4%	32.9%	33.7%	35.2%	36.9%	36.6%	35.8%	34.5%	32.6%	30.4%











# THANKS !



赛维-赛以致远，维以永恒！