



测试数据

Test Data

版本: V1.0

制造商:深圳市中天迅通信科技股份有限公司 manufacturer:Shenzhen Zhongtianxun Communication Technology Co., Ltd.			
射频 RF	王宁wangning 17827623394	结构 MD	
审核 Checked	黄烈云huanglieyun 136 1302 2071	业务 Business	叶 航 yehang 138 7415 1221
公司地址 Add.:	深圳市宝安石岩石龙大道34号 NO.34 Shilong Road, Bao'an District, Shenzhen, Guangdong		
项目信息 Project Message			
项目名称 Preject Name	A1790		
天线类型 Antenna Type	FPC+Cable	天线尺寸 Antenna Size	FPC:34.54mm*13.3mm, Cable:120mm
天线制式 Antenna System	wifi	日期 Date	2023.10.12

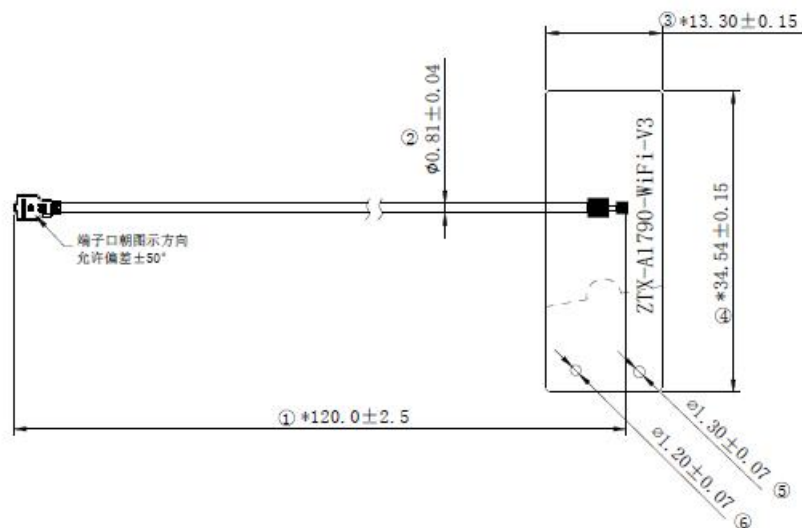
Add:深圳市宝安区石岩街道石龙大道34号

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2. 4G-WIFI天线尺寸 Antenna Size

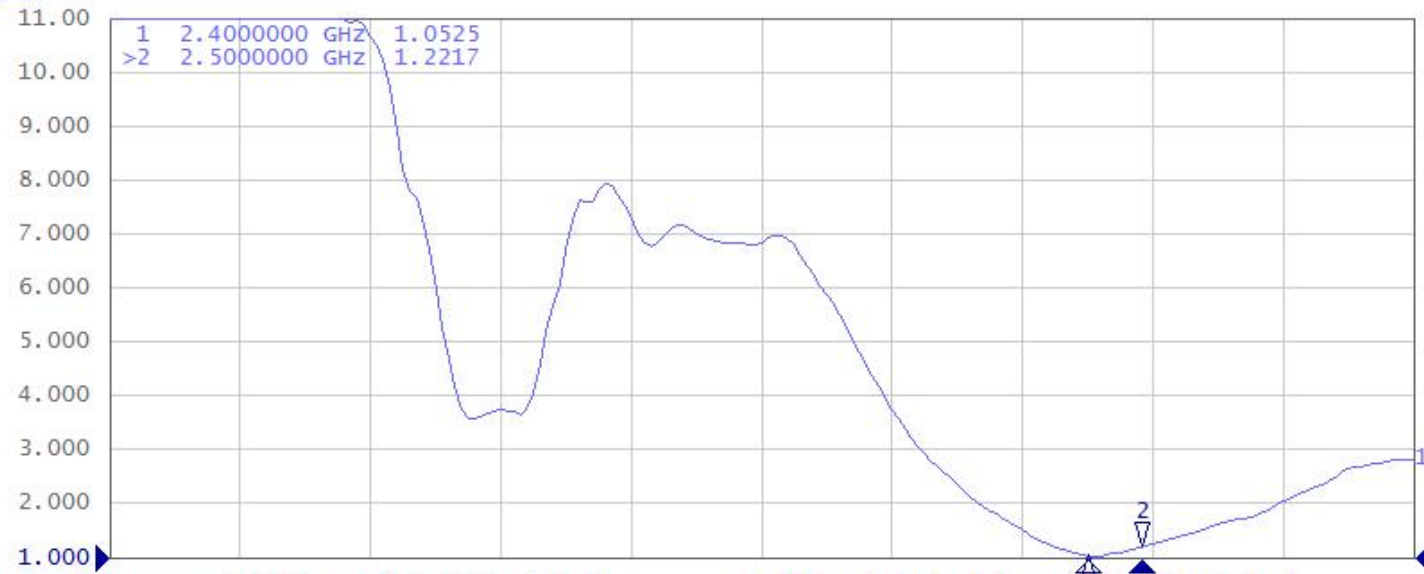


Rev 版本	Description 描述	Designed 制图	Date 日期
A1	首次发行	陈正伟	2023.09.19

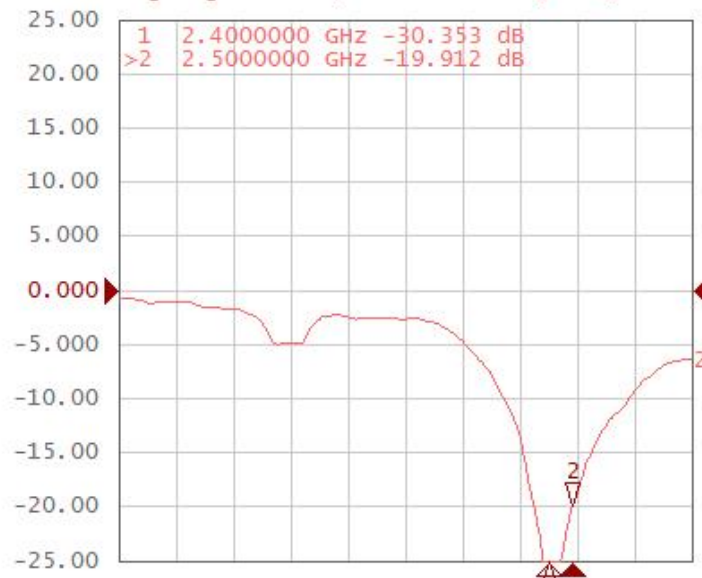
ZTX 深圳市中天迅通信技术有限公司 Shenzhen ZHONGTIANXUN Communication Technology Co., Ltd.							
General Tolerance		Date 日期: 2023.09.19	Unit 单位: mm	Rev 版本: A1	Scale 比例: 1:1	Project Name 项目名称: A1790	
Dim	Grade	A	B	Designed 设计:	Material 材料:	Product Name 产品名称: WiFi-天线组件	
0-10		± 0.10	± 0.20	Checked 审核:	Process 工艺:	Material Code 物料编码:	
10-20		± 0.15	± 0.30				
20-40		± 0.20	± 0.40				
40		± 0.25	± 0.50	Approval 批准:	Third Angle 第三视角	Drawing Name 图纸编号: ZTX-QR-RD-013	

2. 4G-WIFI天线 Antenna (LOGMAG+VSWR+SMITH)

Tr1 S22 SWR 1.000/ Ref 1.000 [F1 M]

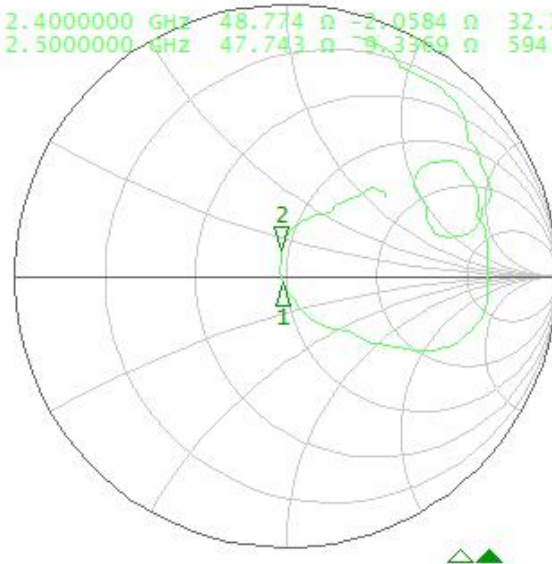


Tr2 S22 Log Mag 5.000dB/ Ref 0.000dB [F1 M]



Tr3 S22 Smith (R+jX) scale 1.000u [F1 M]

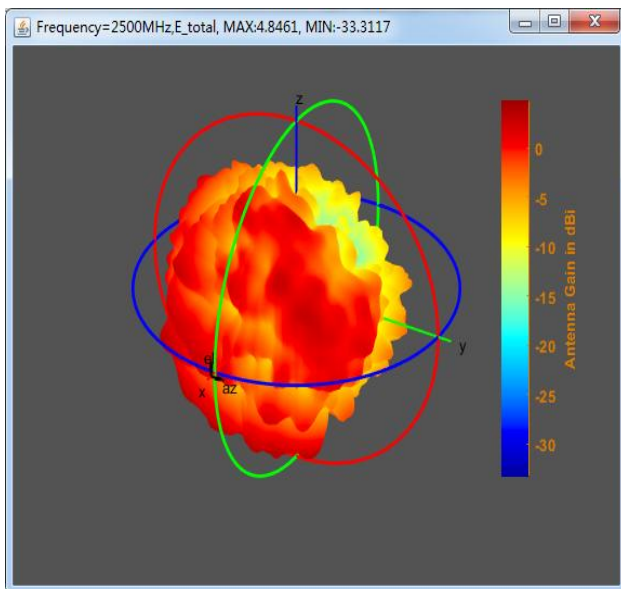
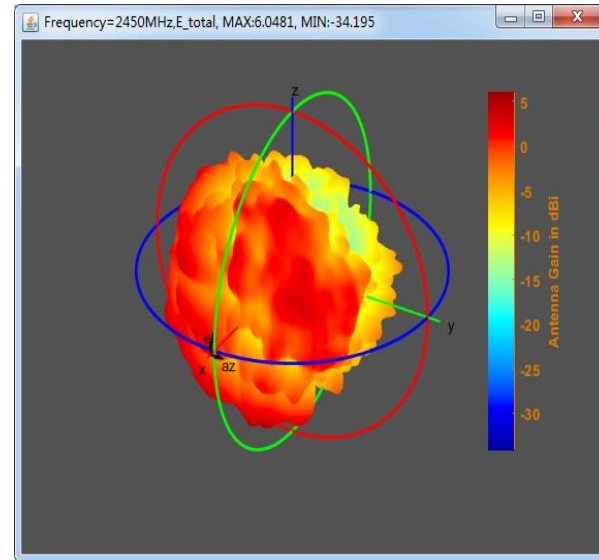
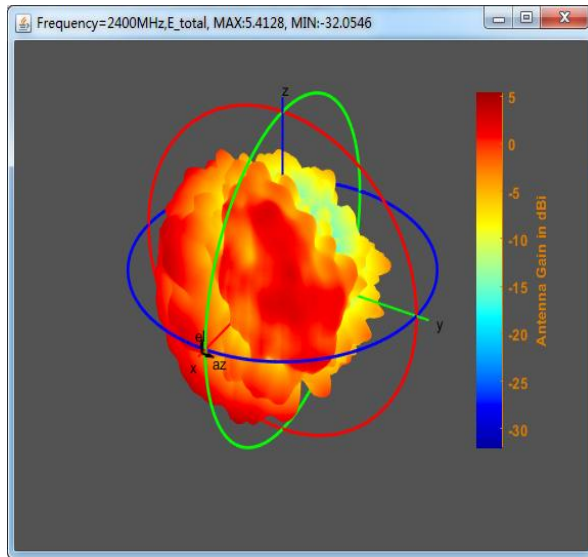
1 2.4000000 GHz 48.774 Ω -2.0584 Ω 32.217 pF
>2 2.5000000 GHz 47.743 Ω -9.3369 Ω 594.40 pH



2. 4G-WIFI天线效率及增益 Antenna Efficiency And Gain

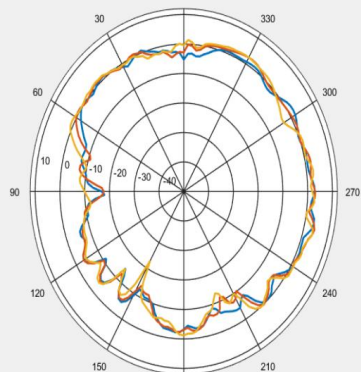
Passive Test For 2400MHz~2500MHz				
Freq	Effi	Effi	Gain	
(MHz)	(%)	(dB)	(dBi)	
2400	65%	-1.9	2.4	
2410	64%	-1.9	2.4	
2420	65%	-1.9	2.7	
2430	65%	-1.9	2.9	
2440	65%	-1.9	3.1	
2450	65%	-1.9	3	
2460	65%	-1.9	3	
2470	64%	-1.9	2.8	
2480	63%	-2.0	2.5	
2490	63%	-2.0	2.1	
2500	63%	-2.0	1.8	

Radiation Pattern For 2.4G-WIFI Antenna (2450MHz)



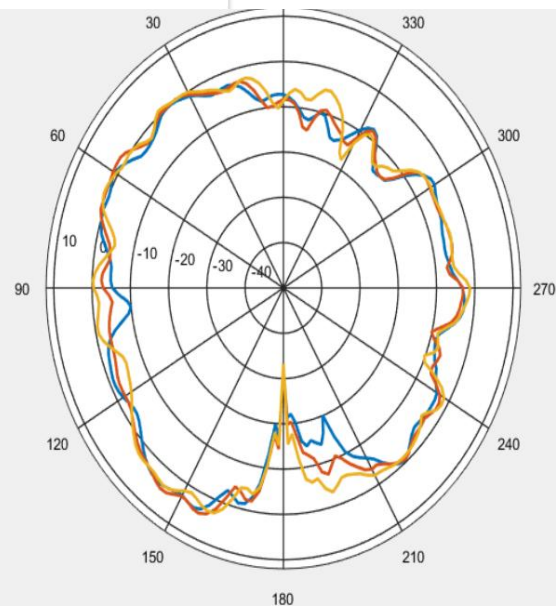
2. 4G-WiFi方向图 Direction Diagram

XOY

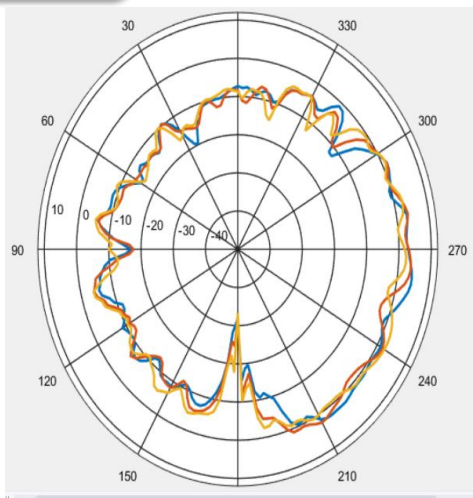


MIN:-21.13

XOZ



YOZ



天线位置 Antenna Position



谢谢！
Thank You !