



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.			
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审核 Checked	韦进 Wei Jin	业务 Business	叶航 Ye Hang 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 Project Name	D2425		
天线类型 Antenna Type	FPC+Cable/FPC	天线尺寸 Antenna Size	
天线制式 Antenna System	wifi/BT	日期 Date	2023. 09. 21

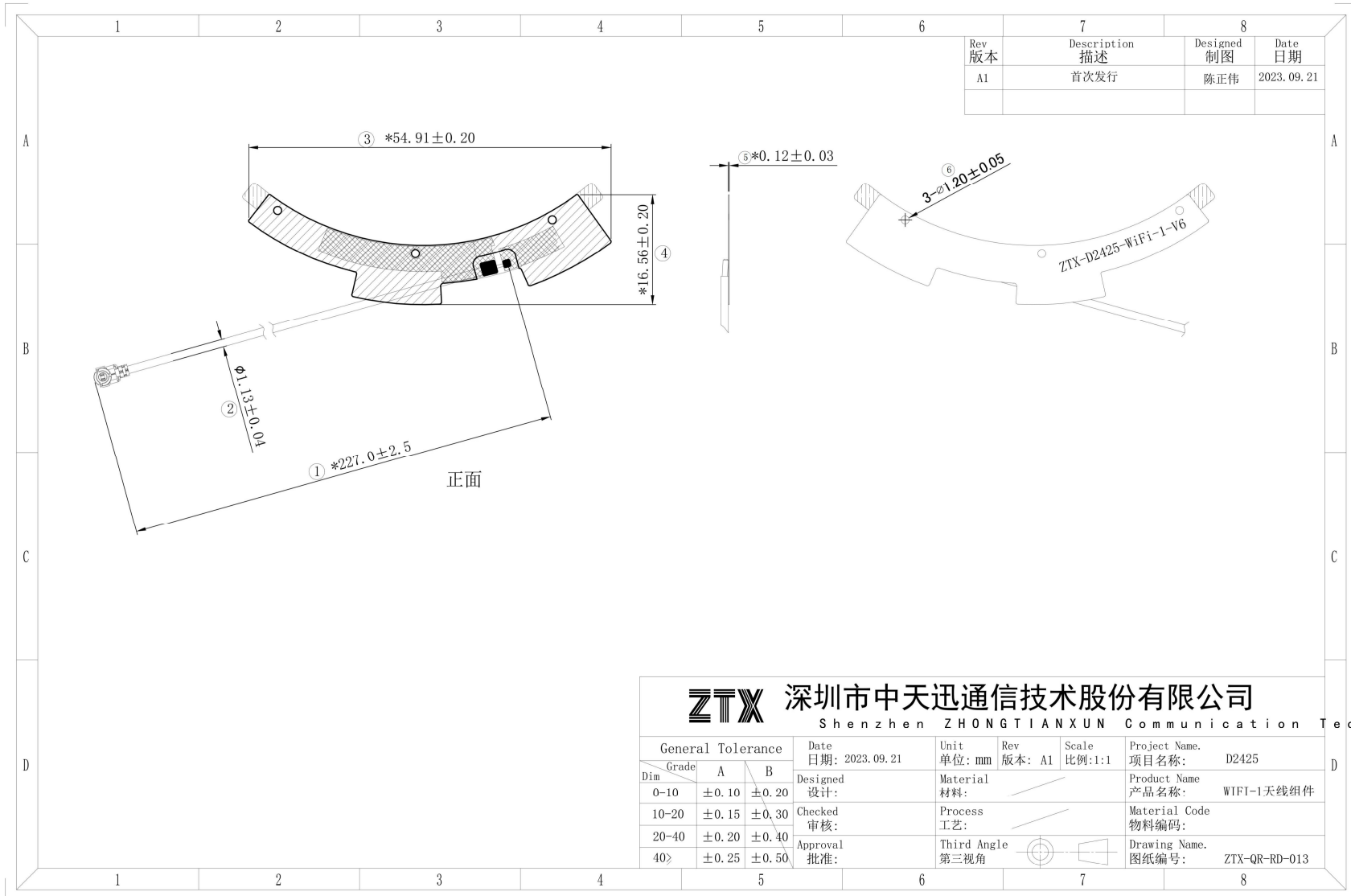
Add:深圳市宝安区石岩街道石龙大道34号

Add: NO. 34 Shilong Road, Bao'an District, Shenzhen, Guangdong

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Website:www.chinaztx.com

WiFi 1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	2023.09.21

ZTX 深圳市中天迅通信科技股份有限公司
Shenzhen ZHONGTIANXUN Communication Technology Co., Ltd.

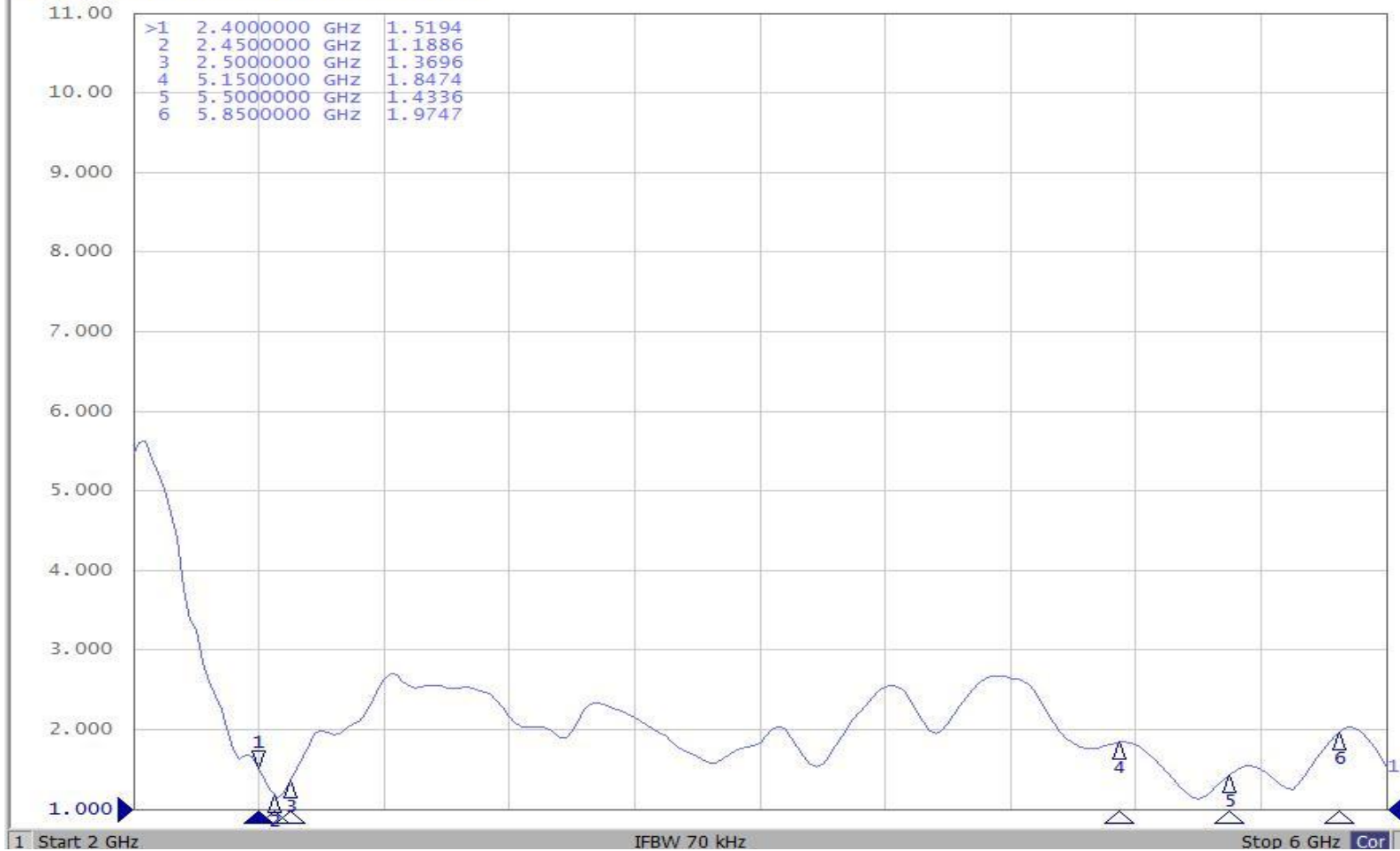
General Tolerance			Date 日期: 2023.09.21	Unit 单位: mm	Rev 版本: A1	Scale 比例: 1:1	Project Name. 项目名称: D2425
Dim	Grade	A	B	Designed 设计:	Material 材料:	Product Name 产品名称: WiFi-1天线组件	
0-10		± 0.10	± 0.20	Checked 审核:	Process 工艺:	Material Code 物料编码:	
10-20		± 0.15	± 0.30	Approval 批准:	Third Angle 第三视角	Drawing Name. 图纸编号: ZTX-QR-RD-013	
20-40		± 0.20	± 0.40				
40>		± 0.25	± 0.50				

WIFI 1天线 Antenna (VSWR)

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

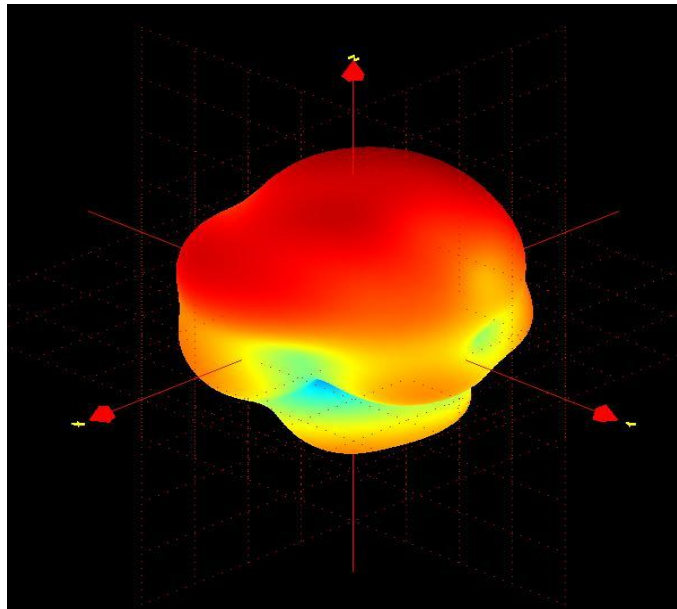
Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]



WIFI 1天线效率及增益 Antenna Efficiency And Gain

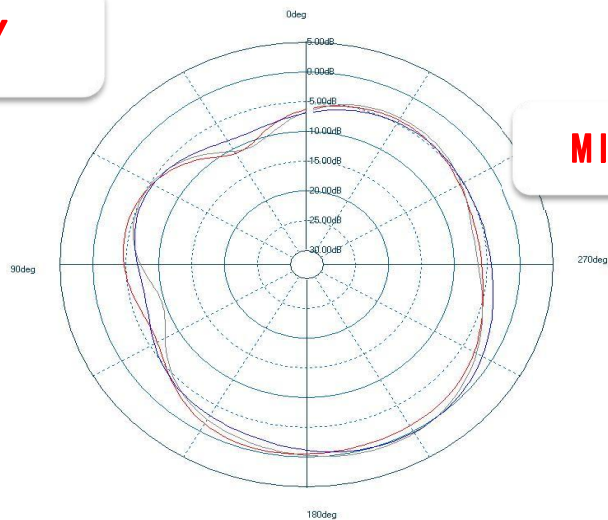
Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dB
2400	45%	-3.43	2.41
2410	45%	-3.50	2.52
2420	46%	-3.33	2.63
2430	44%	-3.52	2.59
2440	47%	-3.28	2.76
2450	46%	-3.41	2.79
2460	47%	-3.29	2.41
2470	44%	-3.55	2.45
2480	44%	-3.61	2.54
2490	46%	-3.42	2.59
2500	45%	-3.46	2.36
5150	43%	-3.68	4.08
5200	41%	-3.86	4.15
5250	41%	-3.92	3.87
5300	42%	-3.77	4.06
5350	44%	-3.61	4.73
5400	41%	-3.91	4.59
5450	43%	-3.71	4.15
5500	40%	-4.00	3.58
5550	43%	-3.70	4.17
5600	42%	-3.73	3.97
5650	45%	-3.51	4.32
5700	44%	-3.59	4.39
5750	43%	-3.66	4.89
5800	42%	-3.77	4.61
5850	42%	-3.82	4.78

Radiation Pattern For WIFI 1 (2.4G) Antenna (2450MHz)



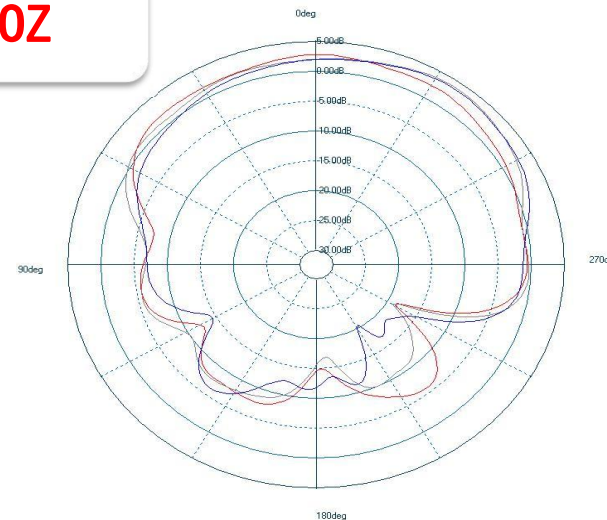
WiFi 1 (2.4G) 方向图 Direction Diagram

XOY

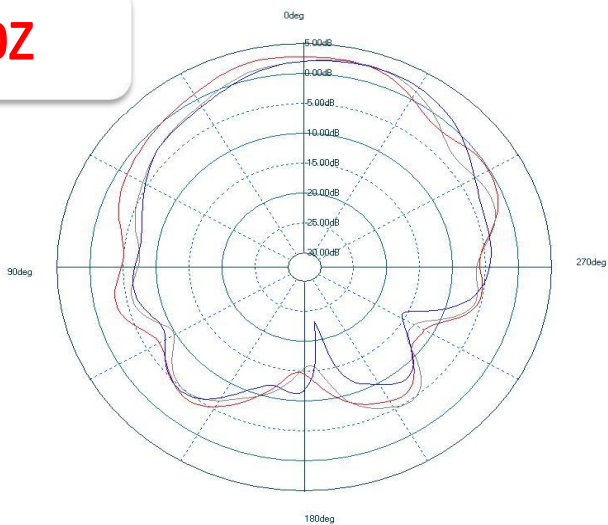


MIN:-11.1

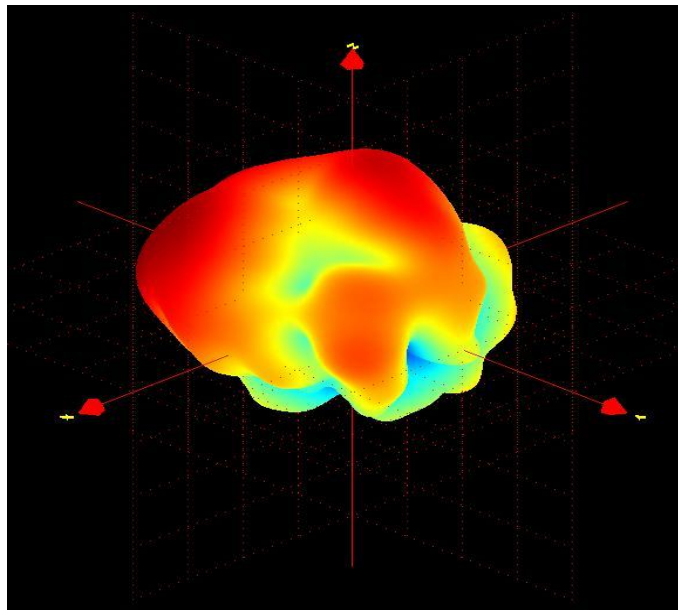
XOZ



YOZ

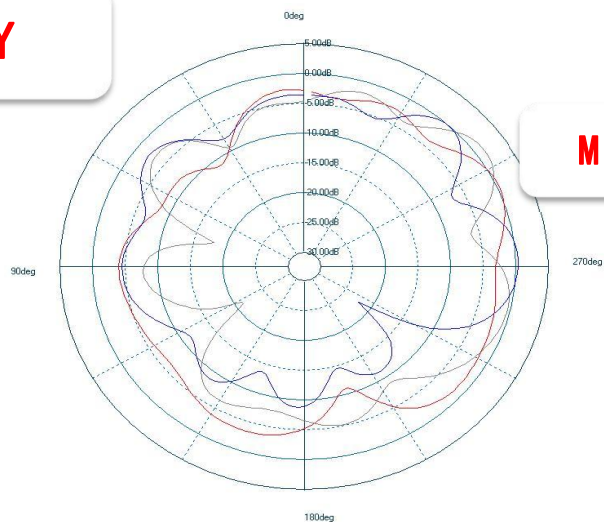


Radiation Pattern For WIFI 1 (5G) Antenna (5500MHz)



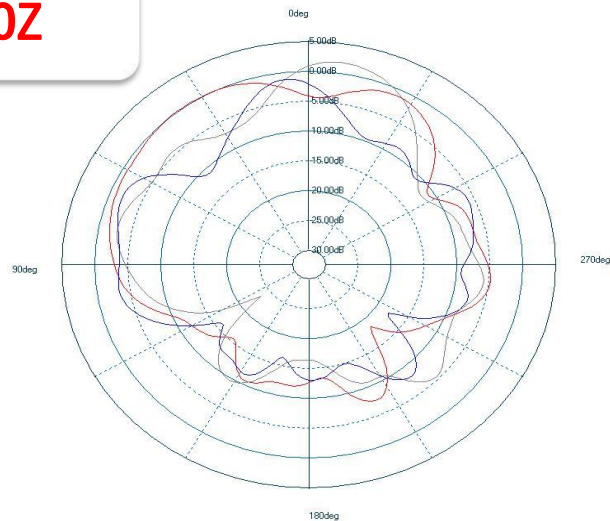
WiFi 1 (5G) 方向图 Direction Diagram

XOY

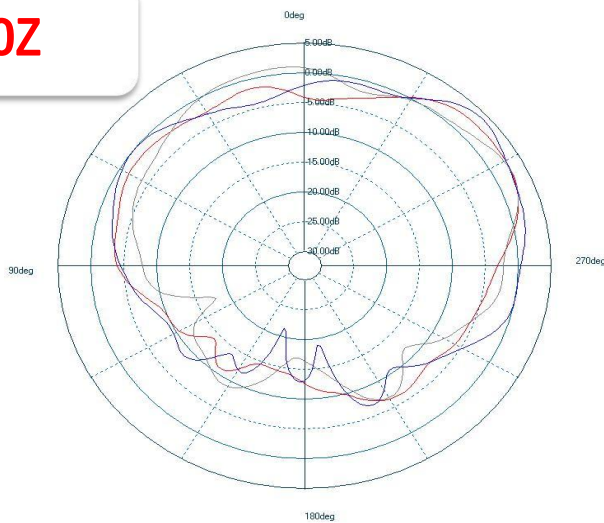


MIN: -22.3

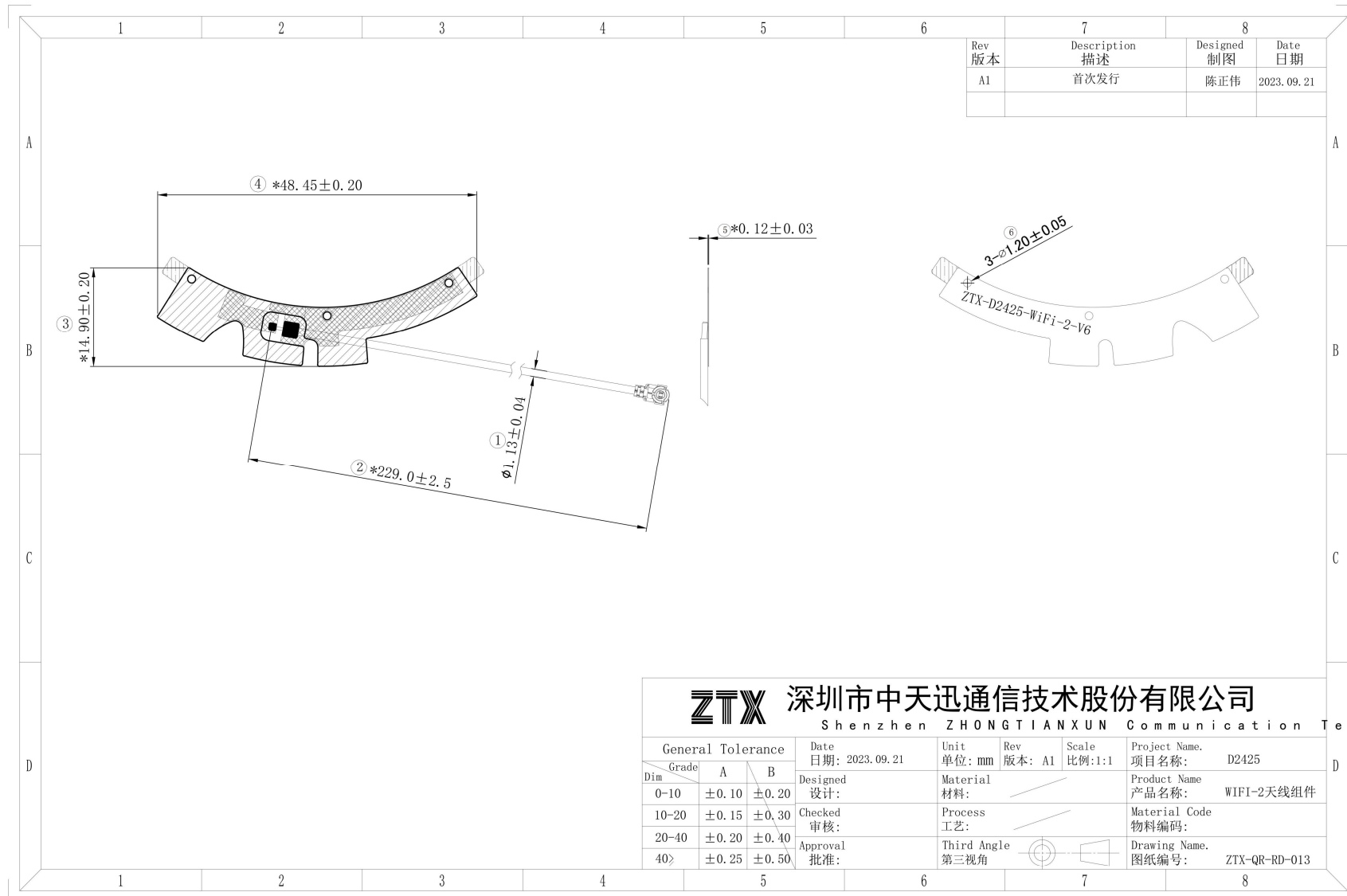
XOZ



YOZ



WIFI 2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	2023.09.21

ZTX 深圳市中天迅通信技术有限公司
Shenzhen ZHONGTIANXUN Communication Technology Co., Ltd.

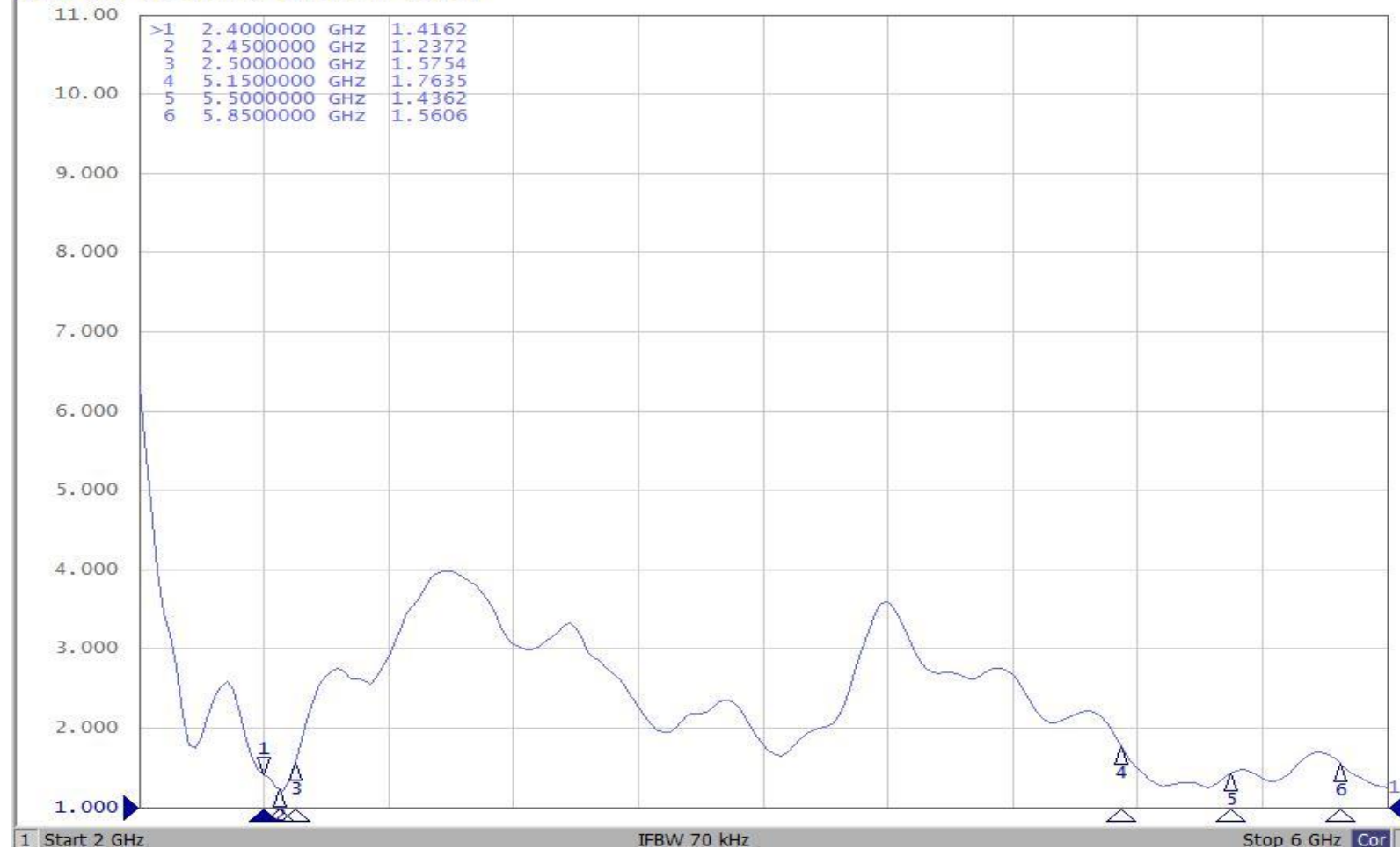
General Tolerance		Date 日期: 2023.09.21	Unit 单位: mm	Rev 版本: A1	Scale 比例: 1:1	Project Name 项目名称: D2425
Grade	A	B	Designed 设计:	Material 材料:		Product Name 产品名称: WIFI-2天线组件
Dim	0-10	±0.10	±0.20	Checked 审核:	Process 工艺:	Material Code 物料编码:
	10-20	±0.15	±0.30	Approval 批准:	Third Angle 第三视角	Drawing Name 图纸编号: ZTX-QR-RD-013
	20-40	±0.20	±0.40			
	40>	±0.25	±0.50			

WiFi 2天线 Antenna (VSWR)

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

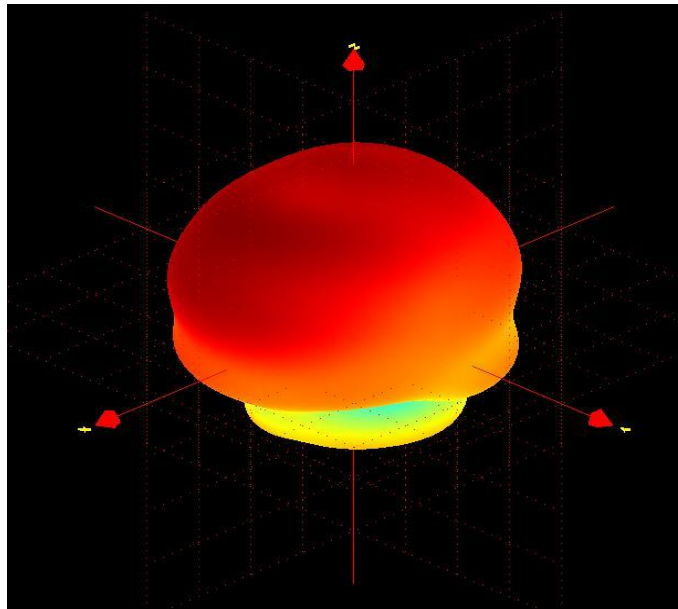
Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]



WIFI 2天线效率及增益 Antenna Efficiency And Gain

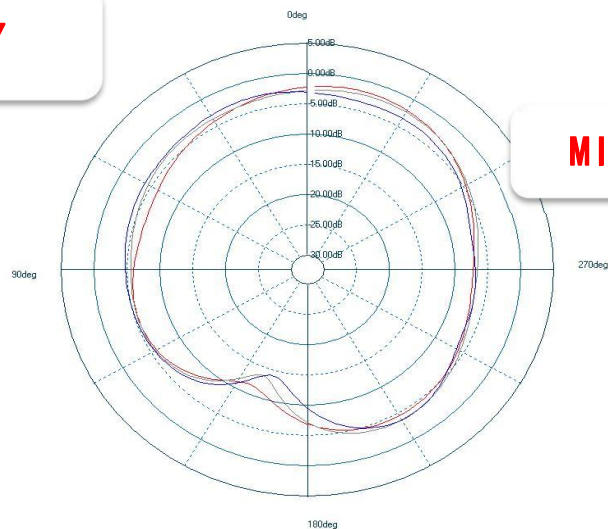
Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dB
2400	45%	-3.49	2.78
2410	46%	-3.40	2.44
2420	46%	-3.35	2.03
2430	44%	-3.55	2.01
2440	45%	-3.43	2.30
2450	43%	-3.64	2.18
2460	44%	-3.57	2.55
2470	44%	-3.56	2.38
2480	44%	-3.58	2.38
2490	45%	-3.46	2.56
2500	46%	-3.36	2.54
5150	41%	-3.92	3.14
5200	42%	-3.78	3.94
5250	41%	-3.85	3.15
5300	42%	-3.77	3.23
5350	43%	-3.70	3.51
5400	41%	-3.90	3.56
5450	41%	-3.82	3.60
5500	41%	-3.88	3.48
5550	43%	-3.67	4.39
5600	43%	-3.65	4.54
5650	41%	-3.85	4.64
5700	43%	-3.71	4.51
5750	41%	-3.91	4.34
5800	40%	-3.94	4.11
5850	43%	-3.71	4.73

Radiation Pattern For WIFI 2(2.4G) Antenna (2450MHz)



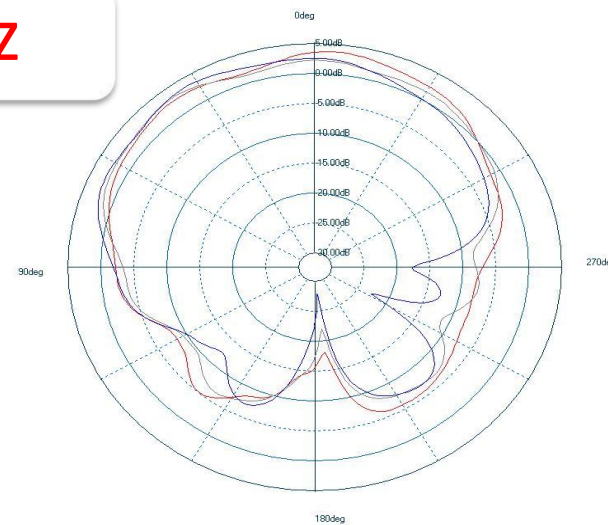
WiFi 2 (2.4G) 方向图 Direction Diagram

XOY

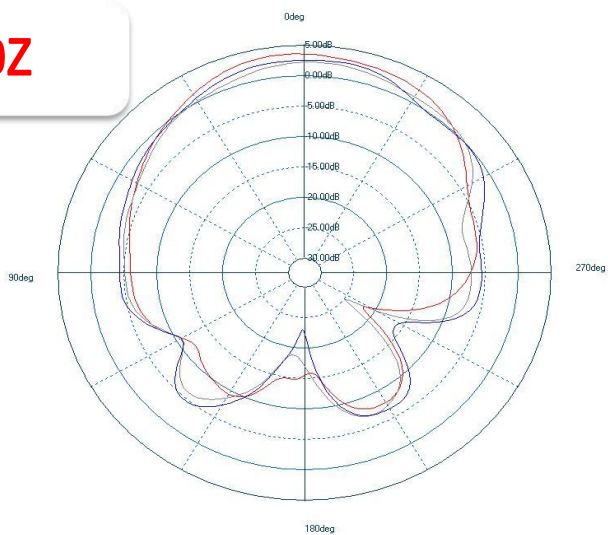


MIN: -14.8

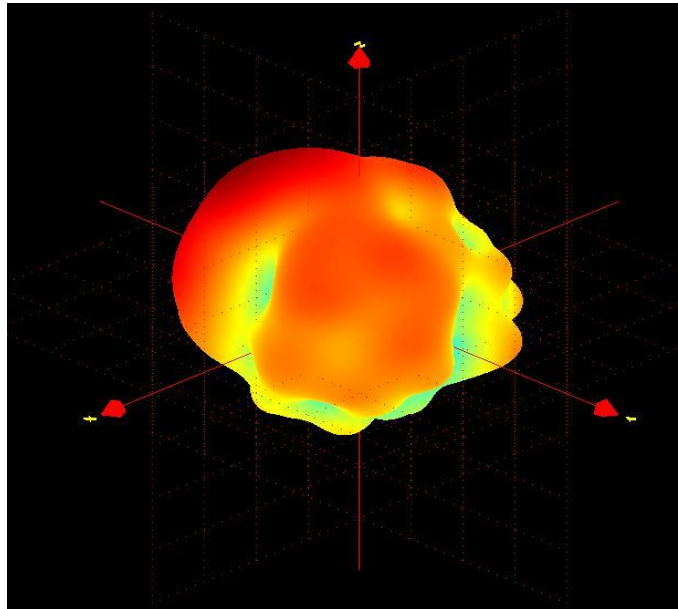
XOZ



YOZ

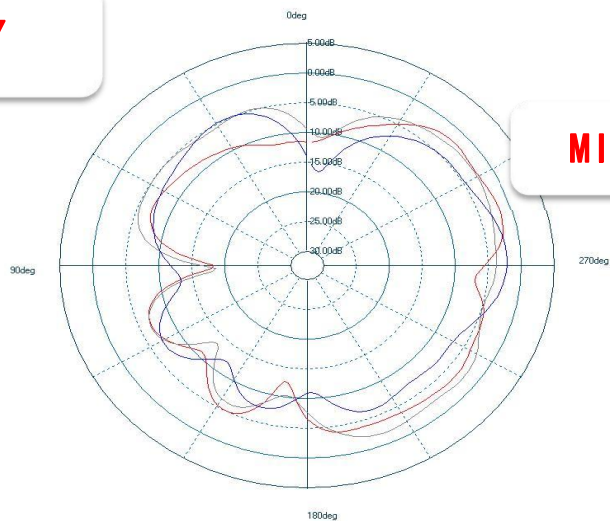


Radiation Pattern For WIFI 2(5G) Antenna (5500MHz)



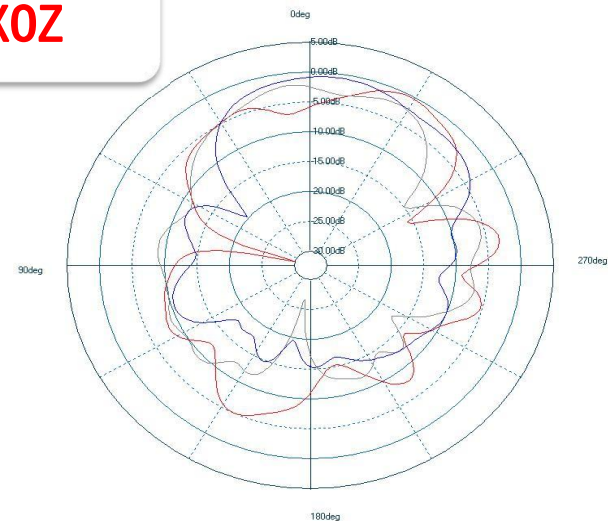
WiFi 2 (5G) 方向图 Direction Diagram

XOY

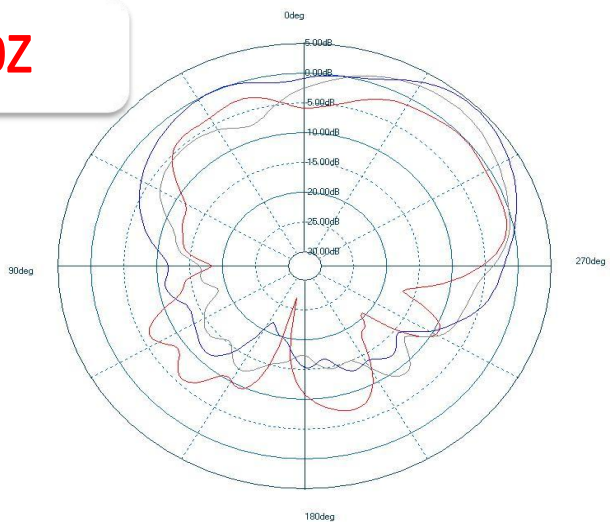


MIN: -18.5

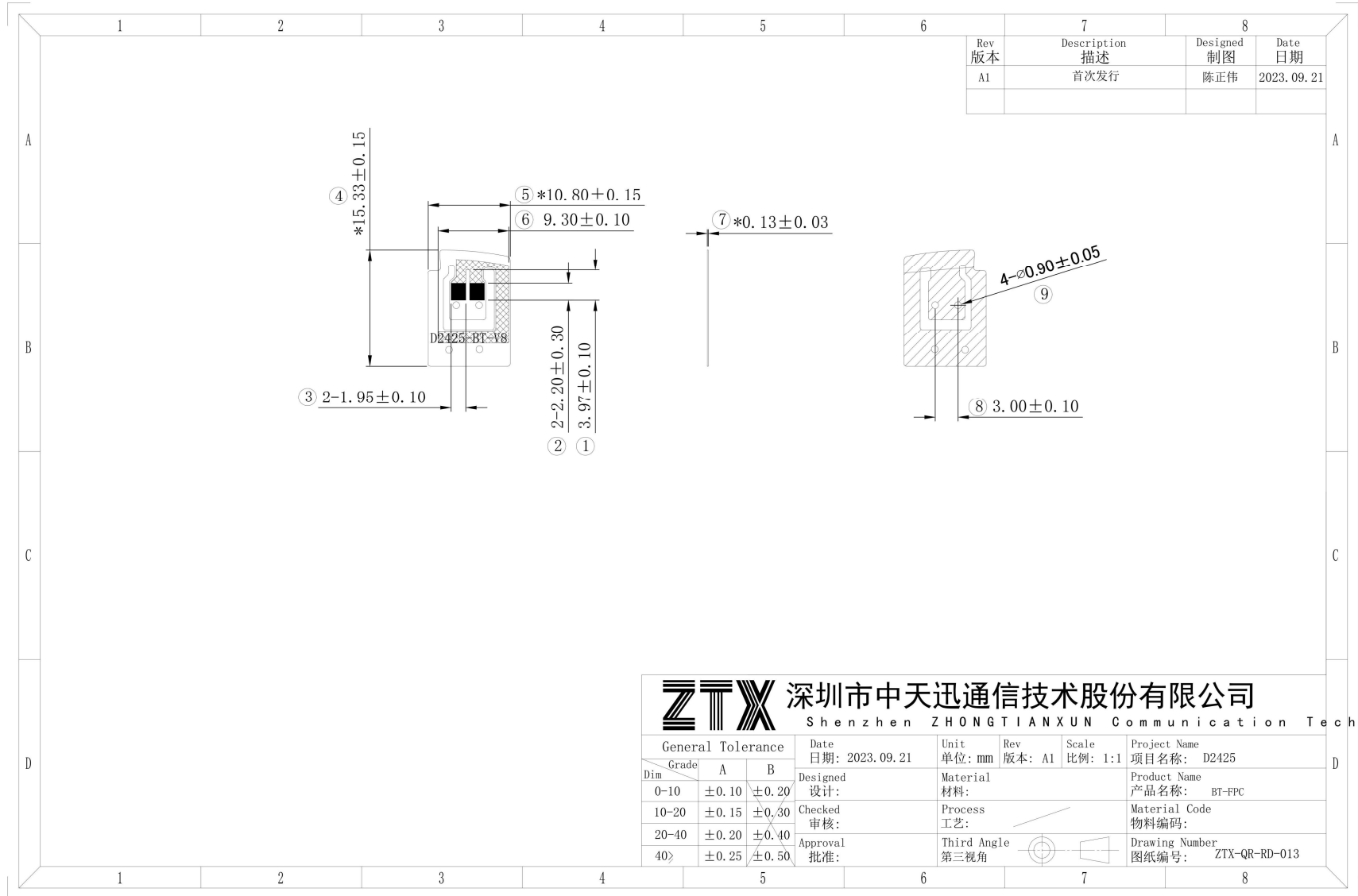
XOZ



YOZ



BT 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	2023.09.21

ZTX 深圳市中天迅通信技术有限公司
Shenzhen ZHONGTIANXUN Communication Tech

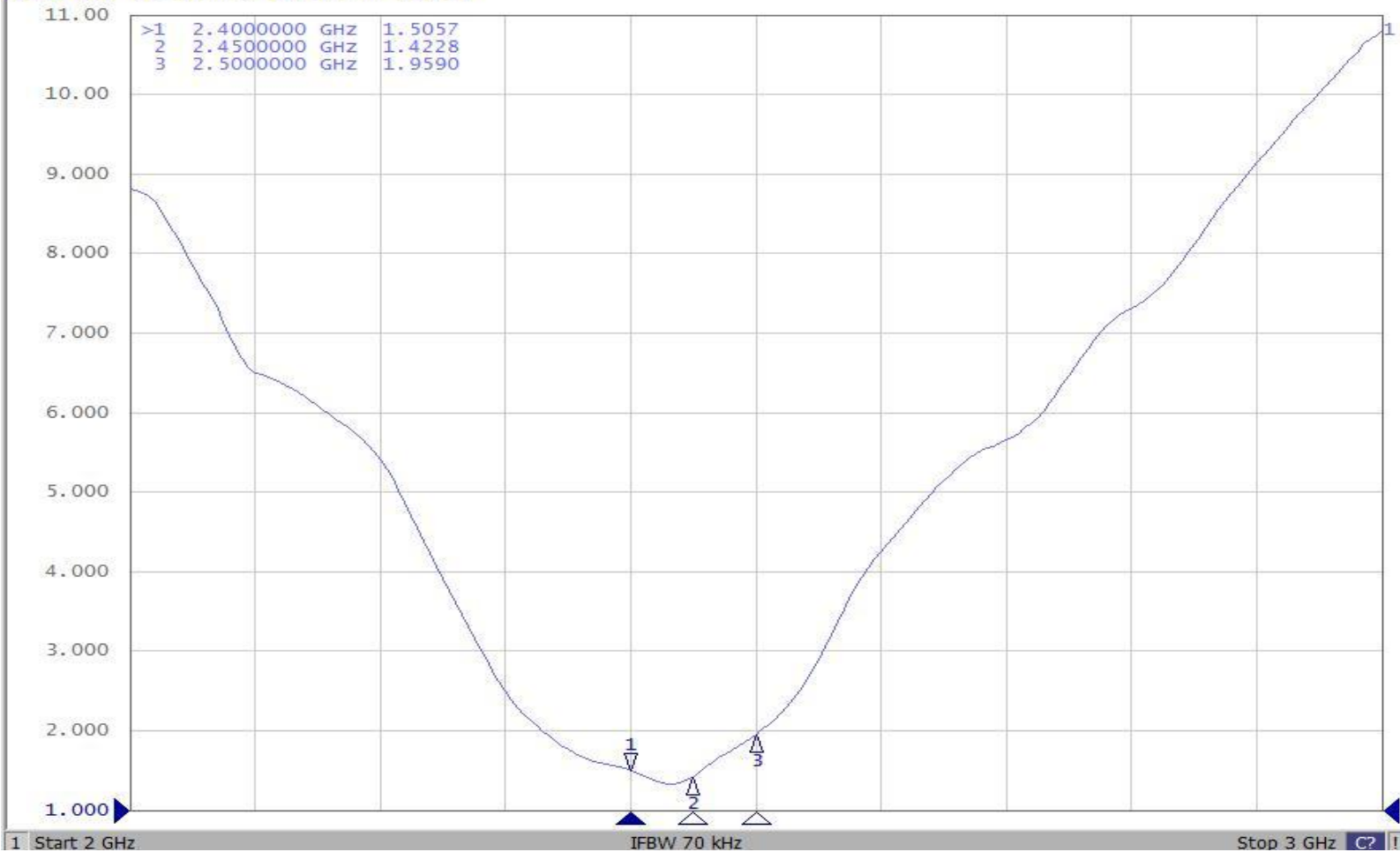
General Tolerance		Date 日期: 2023.09.21	Unit 单位: mm	Rev 版本: A1	Scale 比例: 1:1	Project Name 项目名称: D2425
Dim	Grade	A	B	Designed 设计:	Material 材料:	Product Name 产品名称: BT-FPC
	0-10	±0.10	±0.20	Checked 审核:	Process 工艺:	Material Code 物料编码:
	10-20	±0.15	±0.30	Approval 批准:	Third Angle 第三视角	Drawing Number 图纸编号: ZTX-QR-RD-013
	20-40	±0.20	±0.40			
	40>	±0.25	±0.50			

BT 天线 Antenna (VSWR)

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

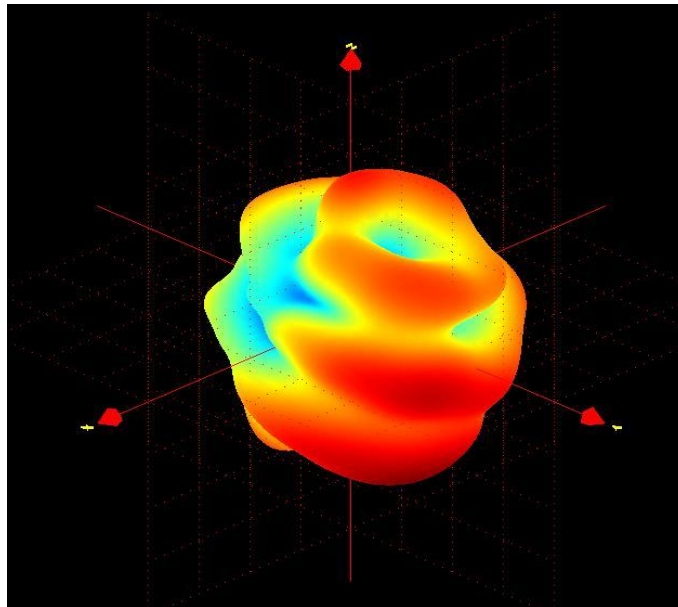
▶ Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]



BT 天线效率及增益 Antenna Efficiency And Gain

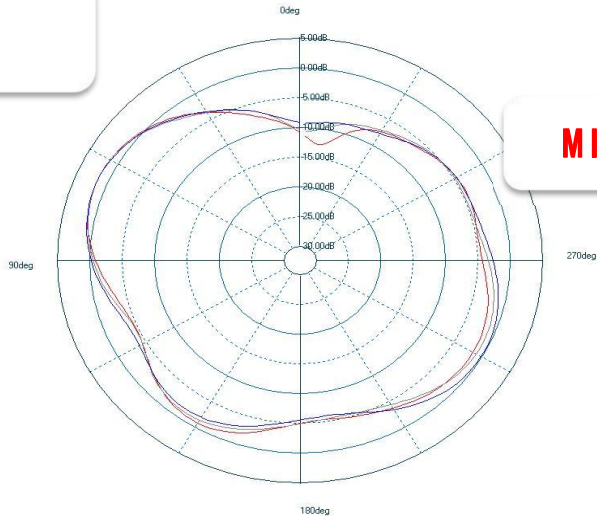
Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dB
2400	44%	-3.61	2.38
2410	43%	-3.70	2.11
2420	44%	-3.57	2.48
2430	45%	-3.42	2.51
2440	46%	-3.39	2.47
2450	47%	-3.29	2.35
2460	47%	-3.31	2.64
2470	48%	-3.17	2.67
2480	48%	-3.18	2.59
2490	48%	-3.22	2.34
2500	47%	-3.29	2.59

Radiation Pattern For BT Antenna (2450MHz)



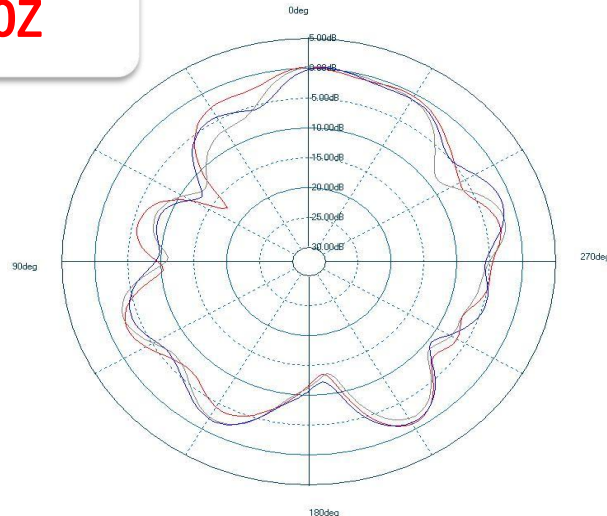
BT (2.4G) 方向图 Direction Diagram

XOY

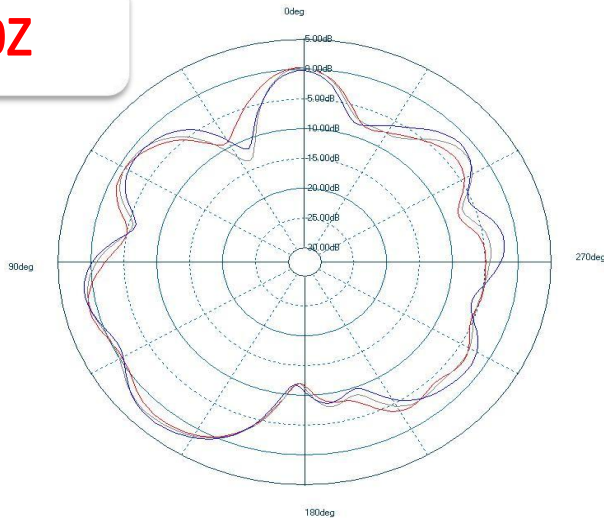


MIN: -13.5

XOZ



YOZ





谢谢！
Thank You !