

Antenna Test Report

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Project Name: ET21

Author: 杨永成

Update: 2024-10-28

项目概况

Overview

CUSTOMER NAME		Antenna model	ET21
Items	Details		
• FREQUENCY	2400MHz-2500MHz		
• PROJECT TYPE			
• ANTENNA SPACE			
• FEED & GROUND PAD			
• SENSITIVE ELEMENTS			
• ANTENNA TYPE	FPC Antenna		
• PCB			
• OTHERS			

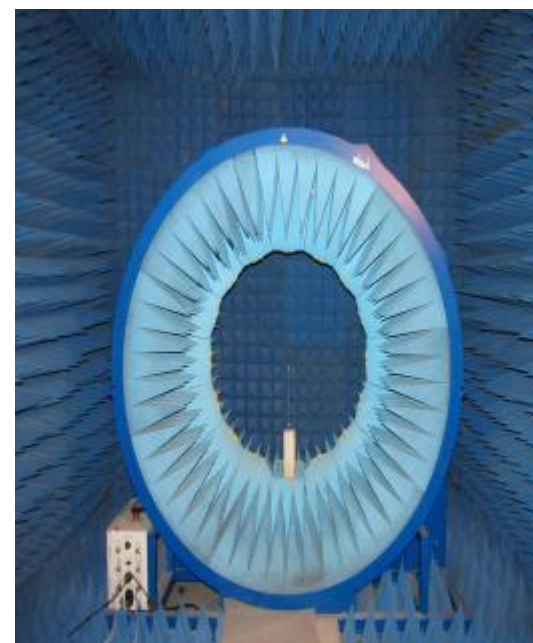
历史报告记录

Revision History

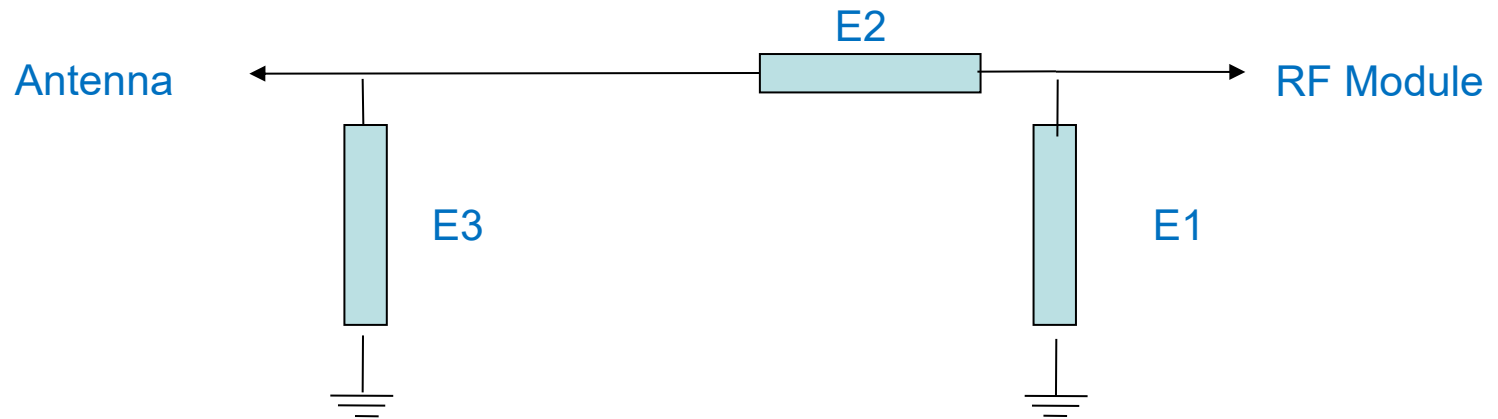
日期 (Date)	版本 (Revision)	负责人 (Author)	更改原因 (Description of changes)
2024-10-28	A	杨永成	测试报告

Test Item & Equipment

List	Test Item	Equipment	
1.S Parameter	VSWR, Return Loss	Agilent VNA	
2.Active Test	TRP, TIS	Agilent 8960	RayZone1800
3.Passive Test	Gain, Efficiency, Pattern	Agilent E5071C	



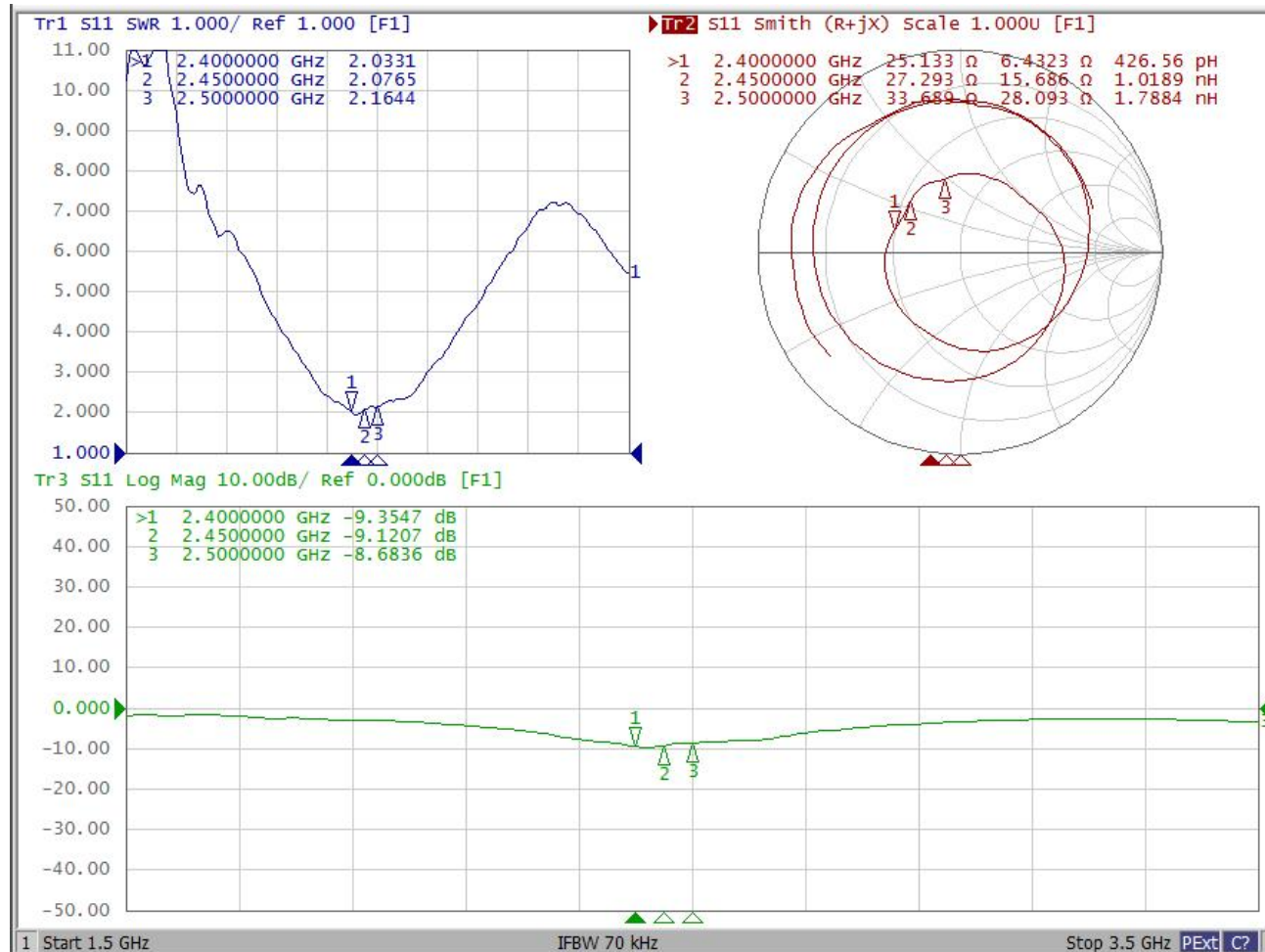
Matching Circuit



Element	Value
E1(0402)	NC
E2(0402)	0
E3(0402)	NC

2025-3-21

测试图

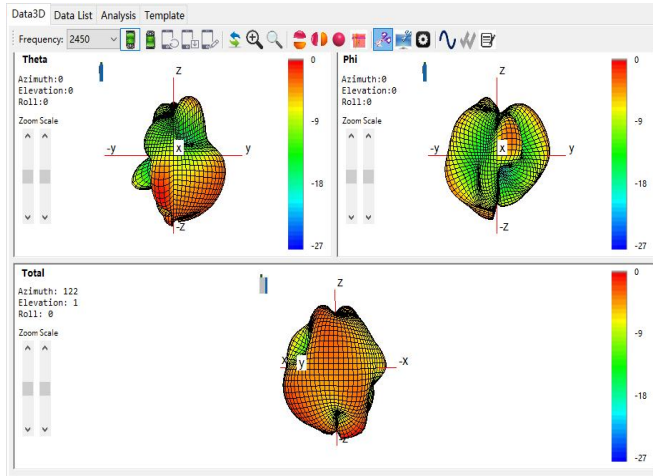


2025-3-21

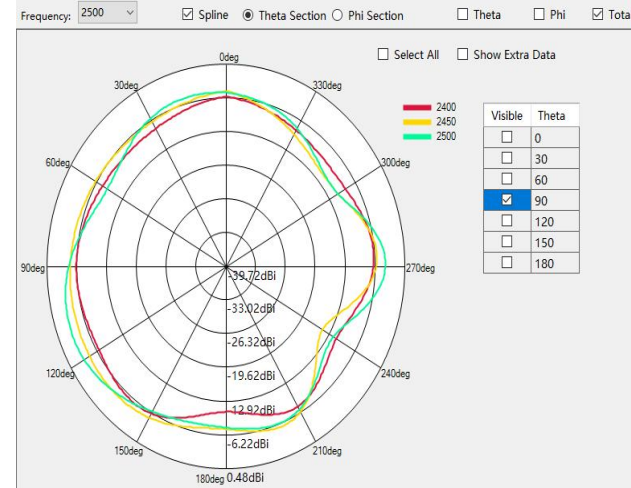
天线无源数据:

Freq (MHz)	Gain (dBi)	Efficien cy (%)
2400	-1.48	27.85
2410	-1.48	28.2
2420	-1.12	28.61
2430	-0.9	28.85
2440	-0.71	29.36
2450	-0.44	30.44
2460	-0.3	30.47
2470	-0.09	31.56
2480	-0.05	32.28
2490	-0.22	32.35
2500	-0.47	32.03

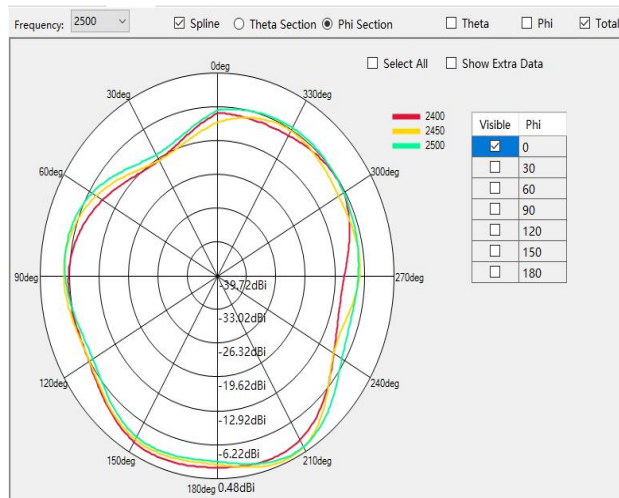
天线2D/3D方向图



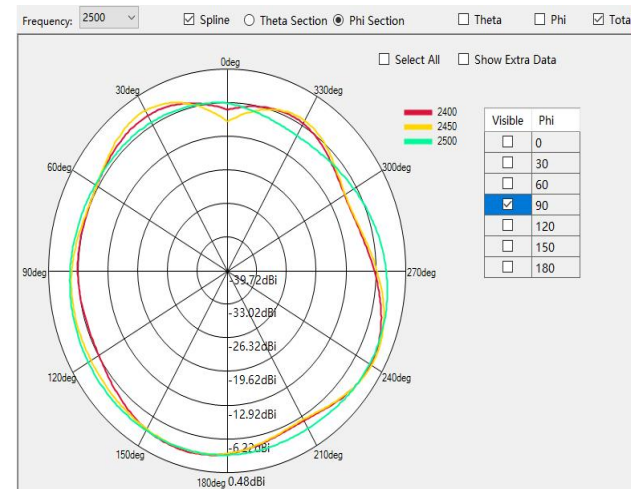
3D



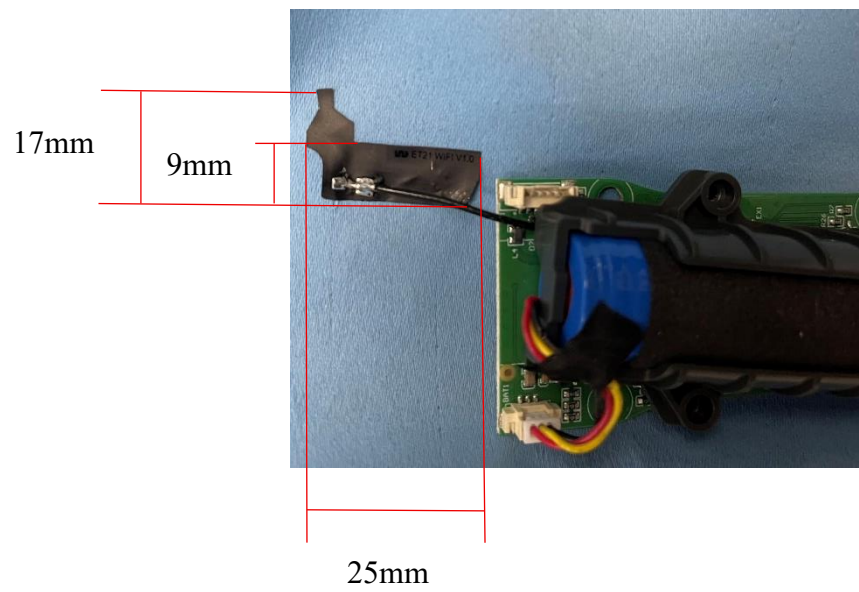
H



E1



E2



Antenna size