

Antenna Test Report

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Update: 2025-11-10

项目概况

OverView

CUSTOMER NAME	创蓝实业	PROJECT NAME	CH100
Items	Details		
• FREQUENCY	2400MHz-2500MHz		
• ANTENNA TYPE	SMD Antenna		
• PART NUMBER	M01-X100030R0A		
• FEED & GROUND PAD			
• SENSITIVE ELEMENTS			
• Manufacturer	ShenZhen MyAntenna RF Technology CO., LTD		
• Address	Room 410, Building A, Fenghuang Zhigu, No. 50 Tiezai Road, Gongle Community, Xixiang Street, Bao'an District, Shenzhen City, Guangdong Province.		

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	

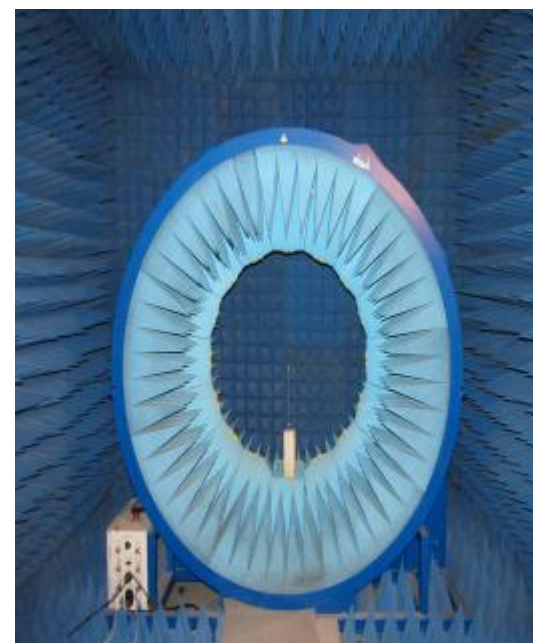
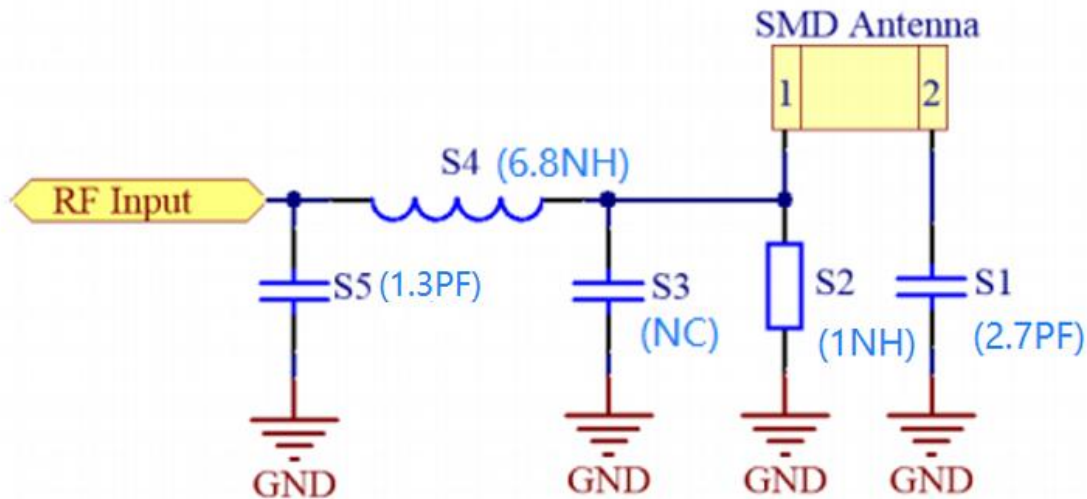


Photo of EUT



Matching Circuit



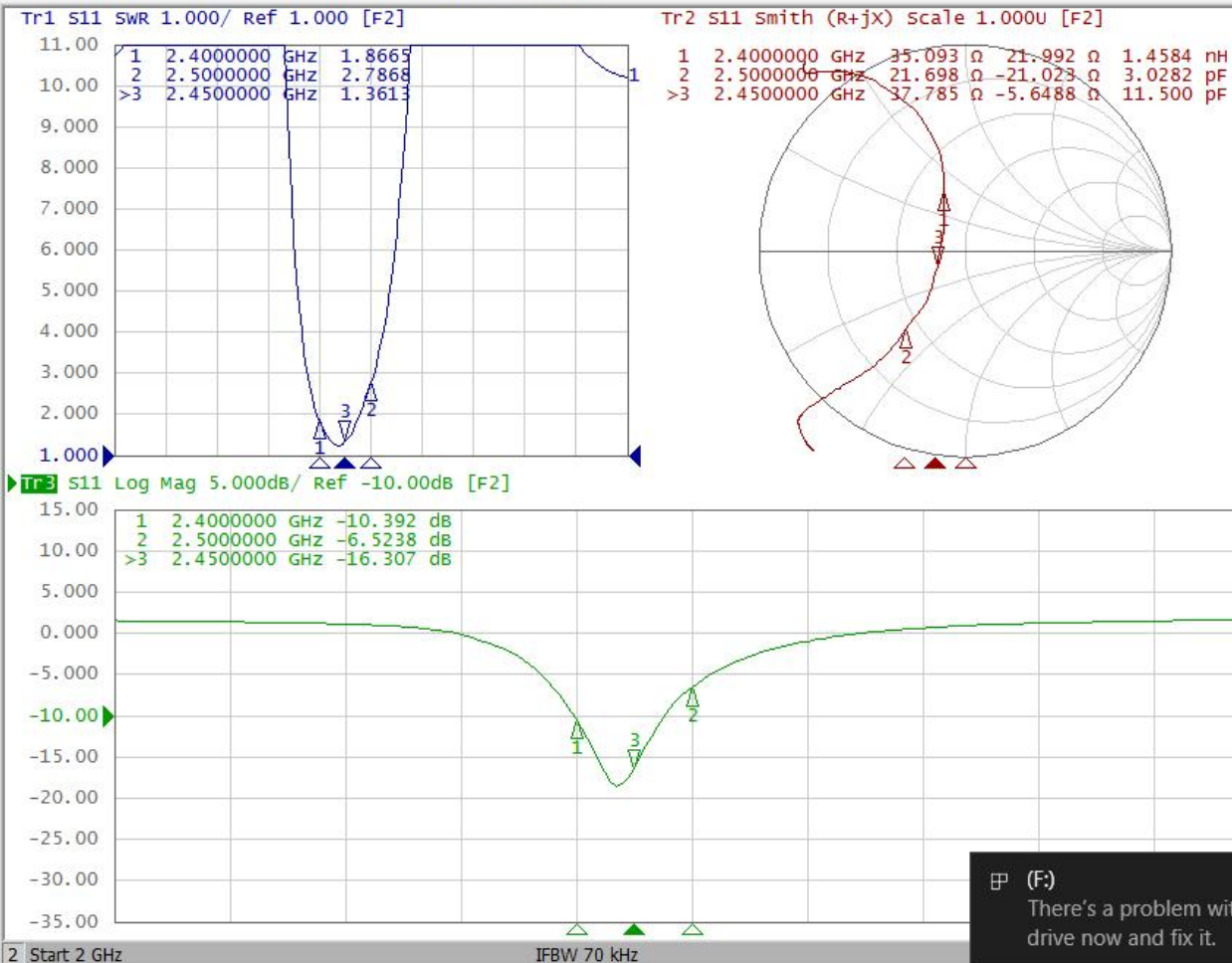
2025-12-17

VSWR:

E5071C Network Analyzer

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

Resize



System

Print

Invert Image
ON

Dump Screen Image...

Multipoint Test Set Setup

Misc Setup

Backlight
ON

Firmware Revision

Service Menu

Help

Return

(F)

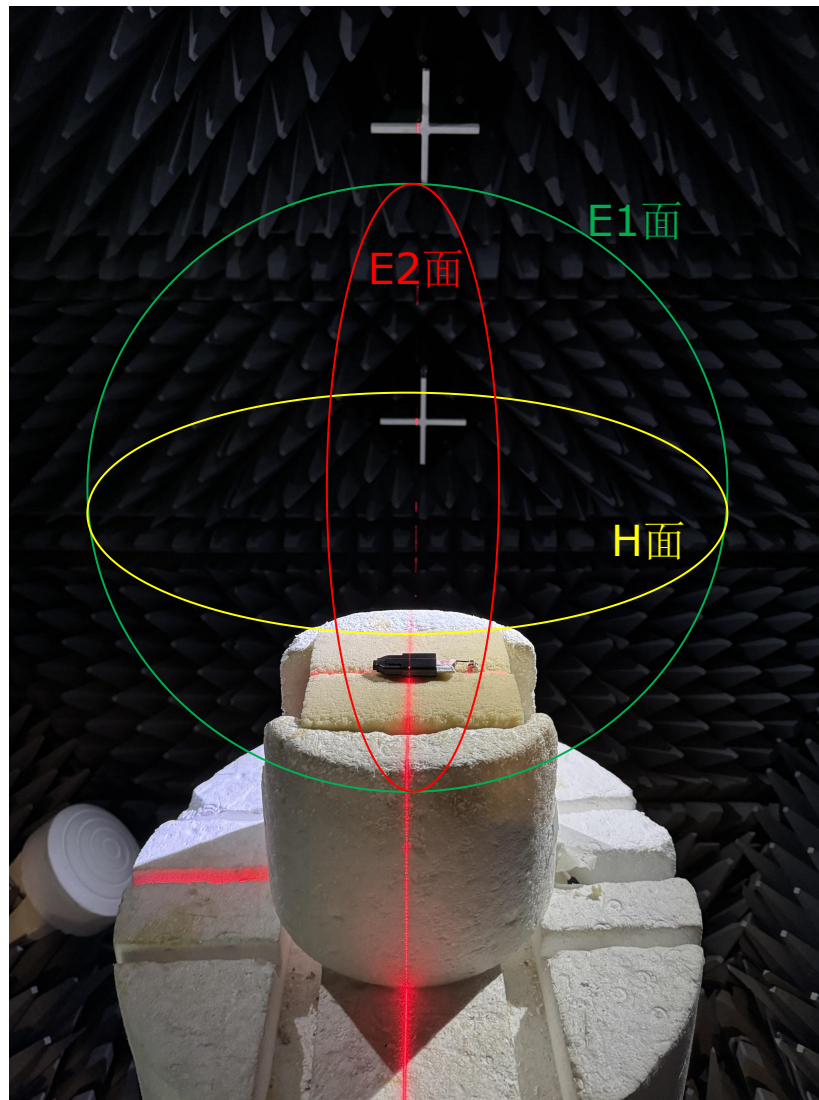
There's a problem with this drive. Scan the drive now and fix it.

Meas Stop ExtRef Svc 2025-10-31 04:38

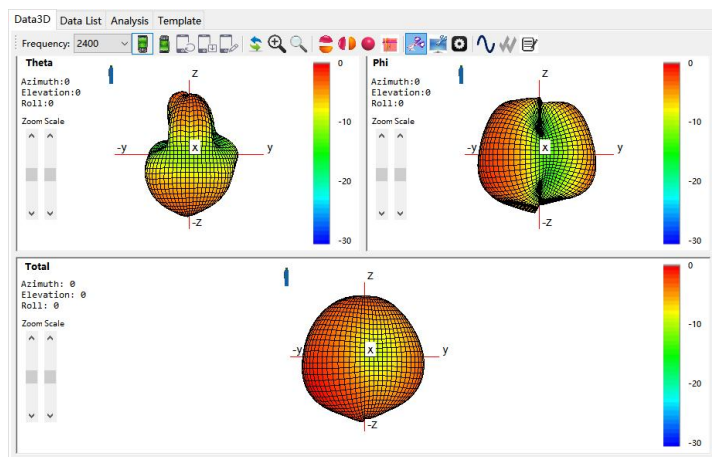
Antenna gain:

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	-0.02	37.29
2410	0.14	39.04
2420	0.28	40.96
2430	0.28	42.08
2440	0.38	42.93
2450	0.49	43.79
2460	0.44	42.98
2470	0.43	42.45
2480	0.12	40.4
2490	-0.31	37.94
2500	-0.57	36.86

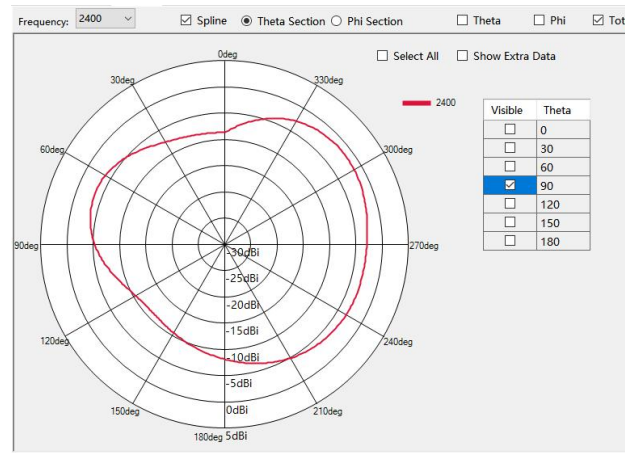
test setup photo



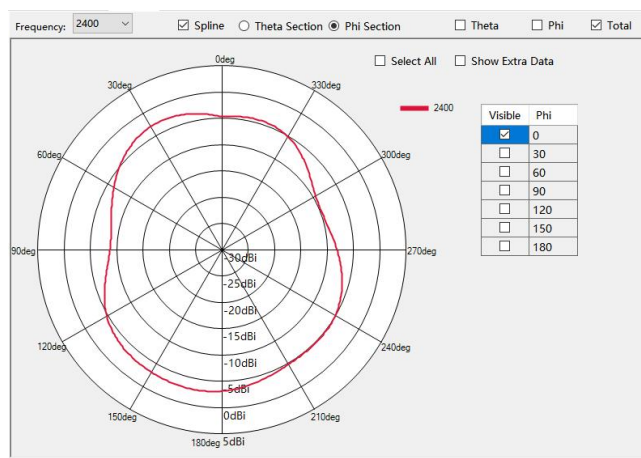
2D/3DRadiation Pattern (2400MHz)



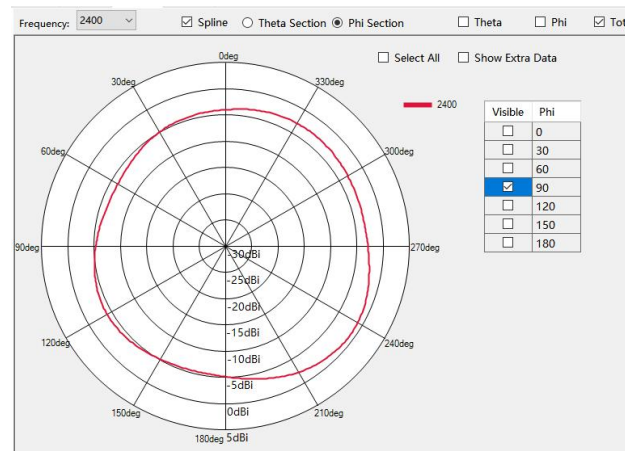
3D



H面

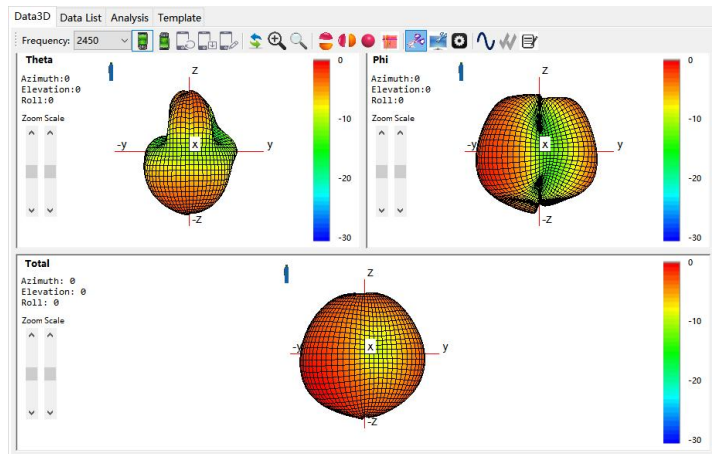


E1面

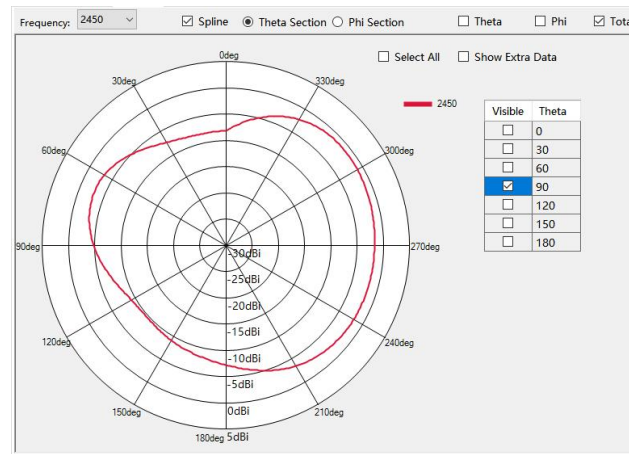


E2面

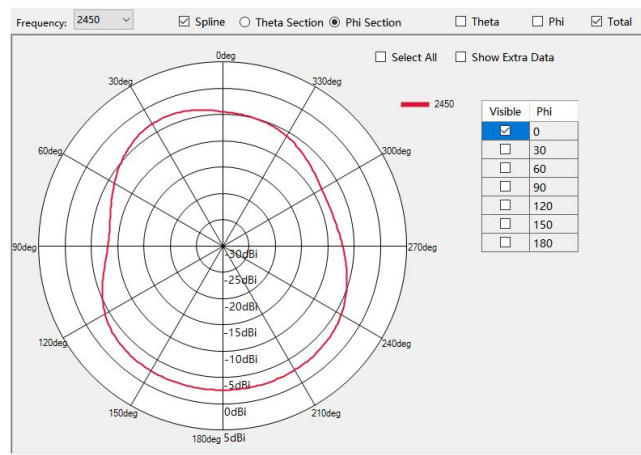
2D/3DRadiation Pattern (2450MHz)



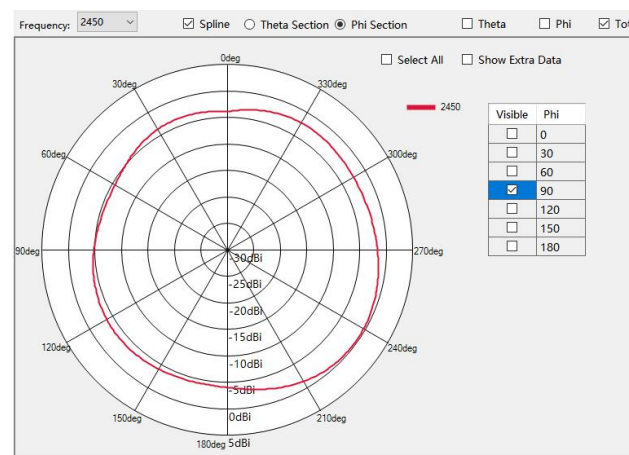
3D



H面

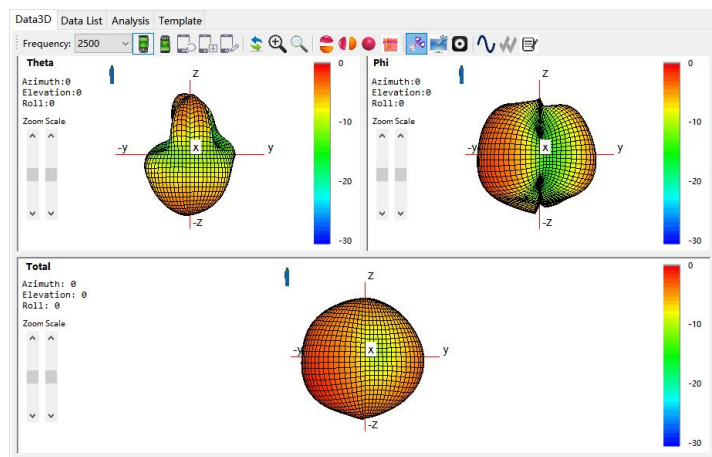


E1面

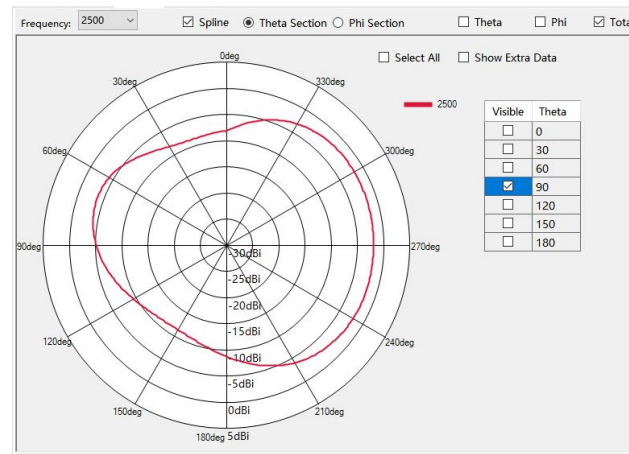


E2面

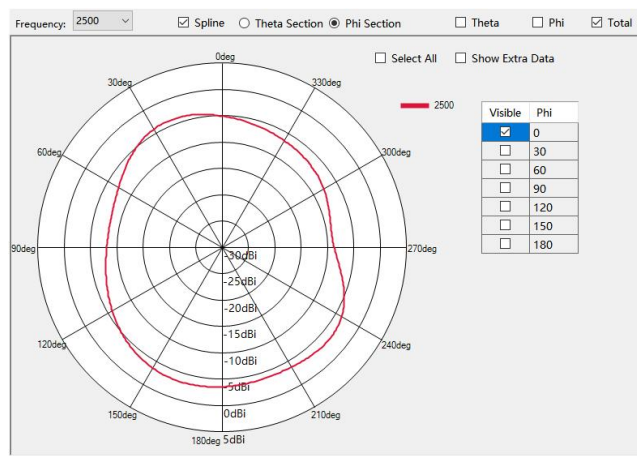
2D/3DRadiation Pattern (2500MHz)



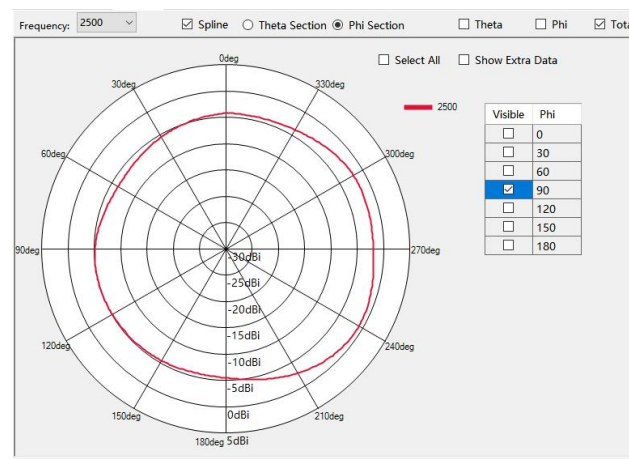
3D



H面



E1面



E2面