

深圳市连兴创电子科技有限公司

天线测试报告 Antenna Test Report

2025年2月24日

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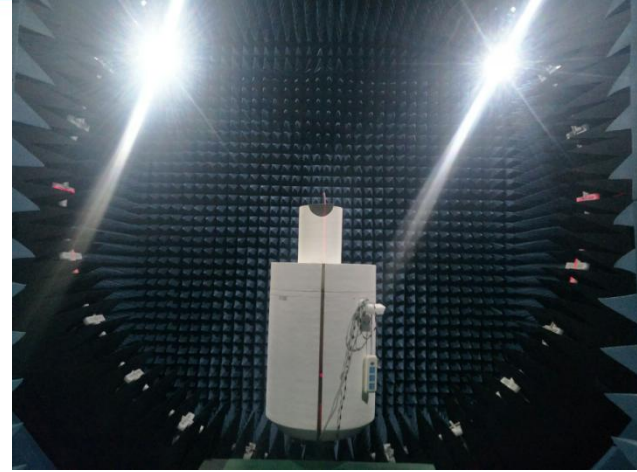
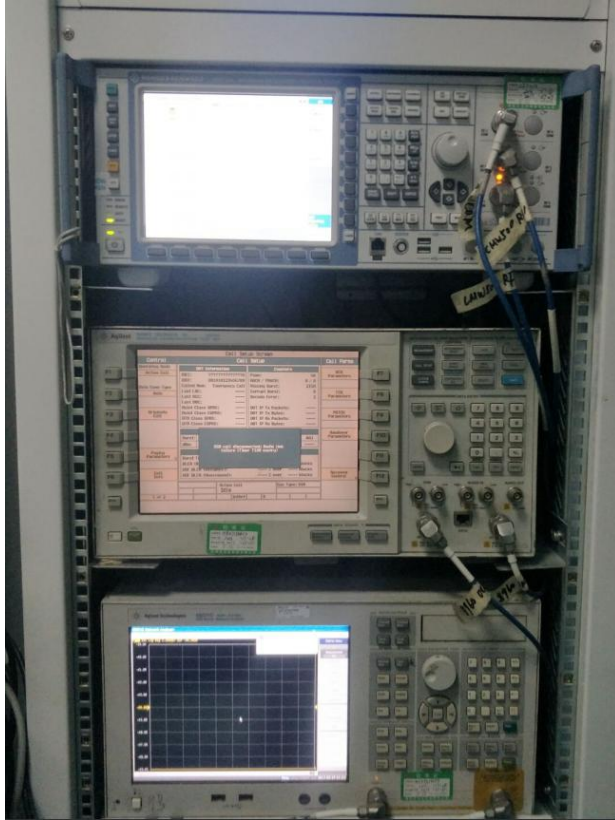
Test data

Antenna size diagram

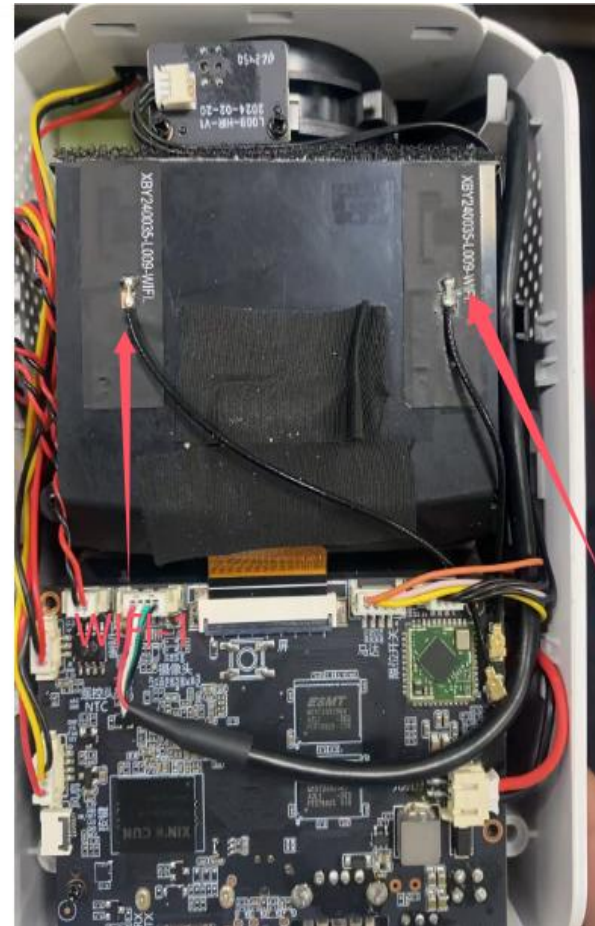
规格描述&机器简介

Customer name	和天创	Project Name	X3		
NO.	ITEMS	DETAILS			
1	Frequency	2400Mhz-5850Mhz			
2	Product	Projector			
3	Antenna type	FPC			
4					
5					
6					

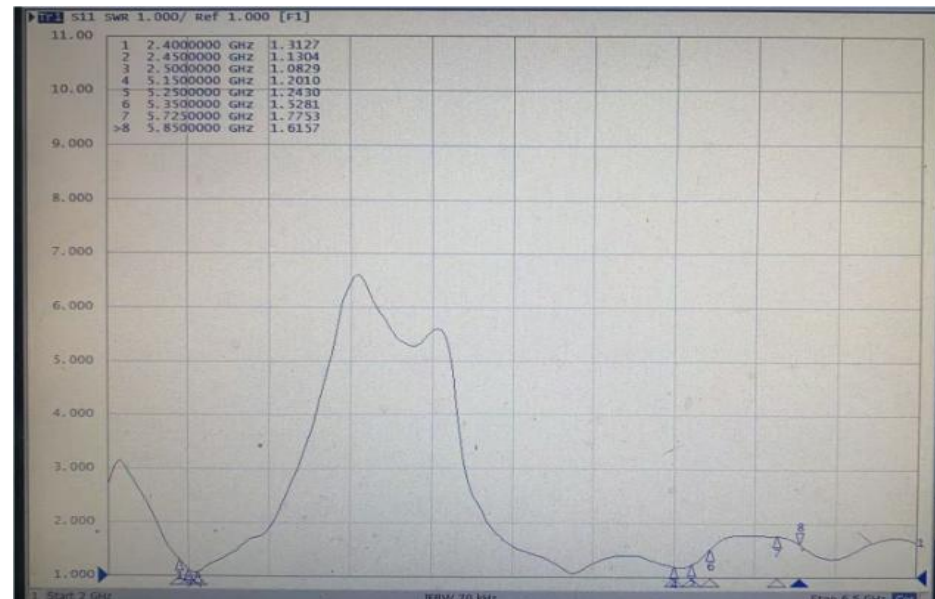
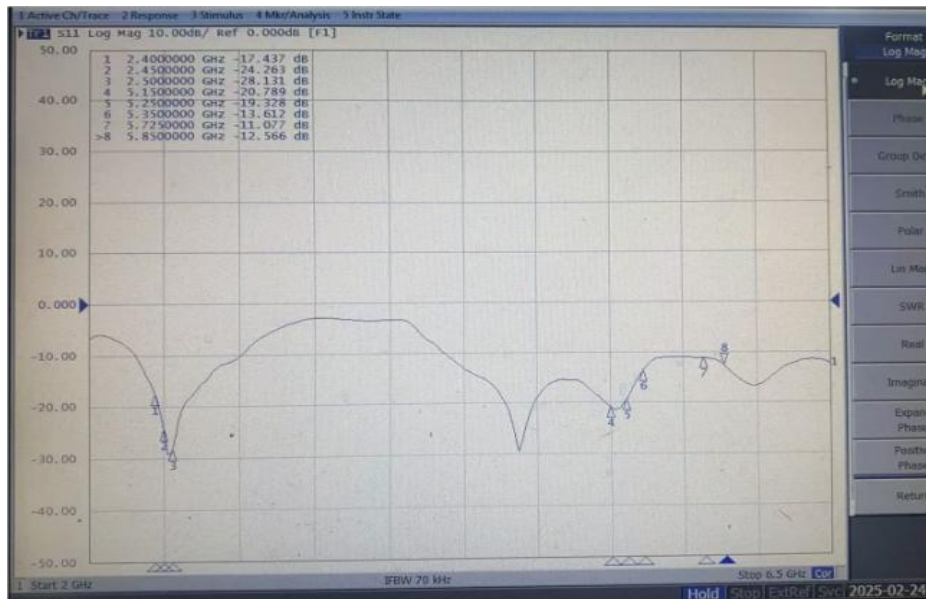
测试环境



机器及天线位置



WIFI-1 (S11\VSWR)

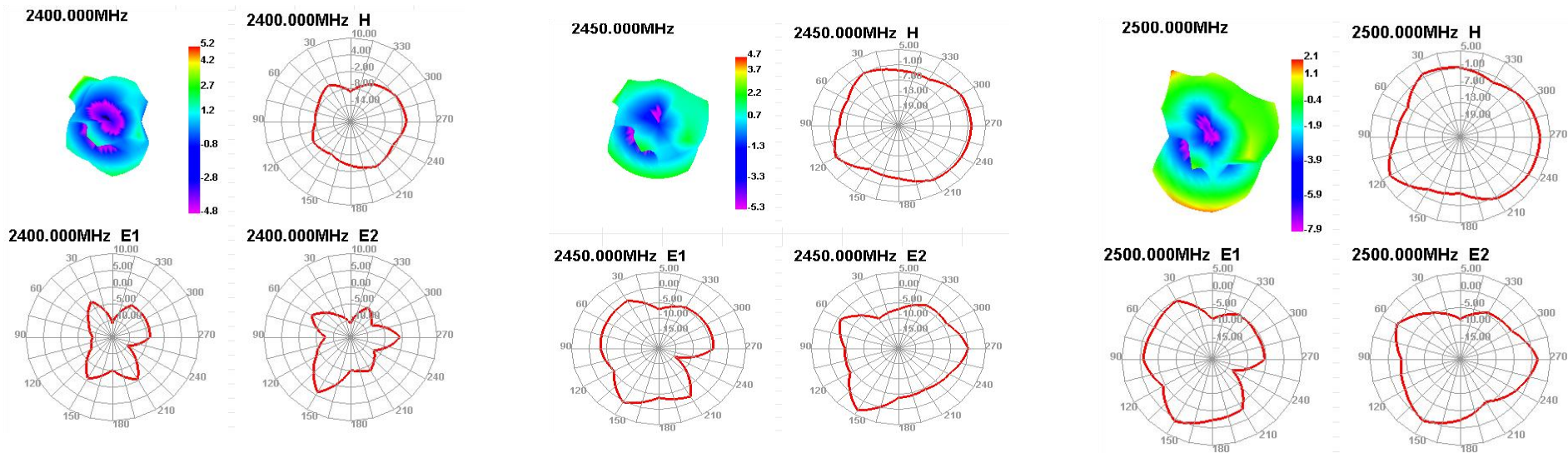


WIFI-1无源测试数据

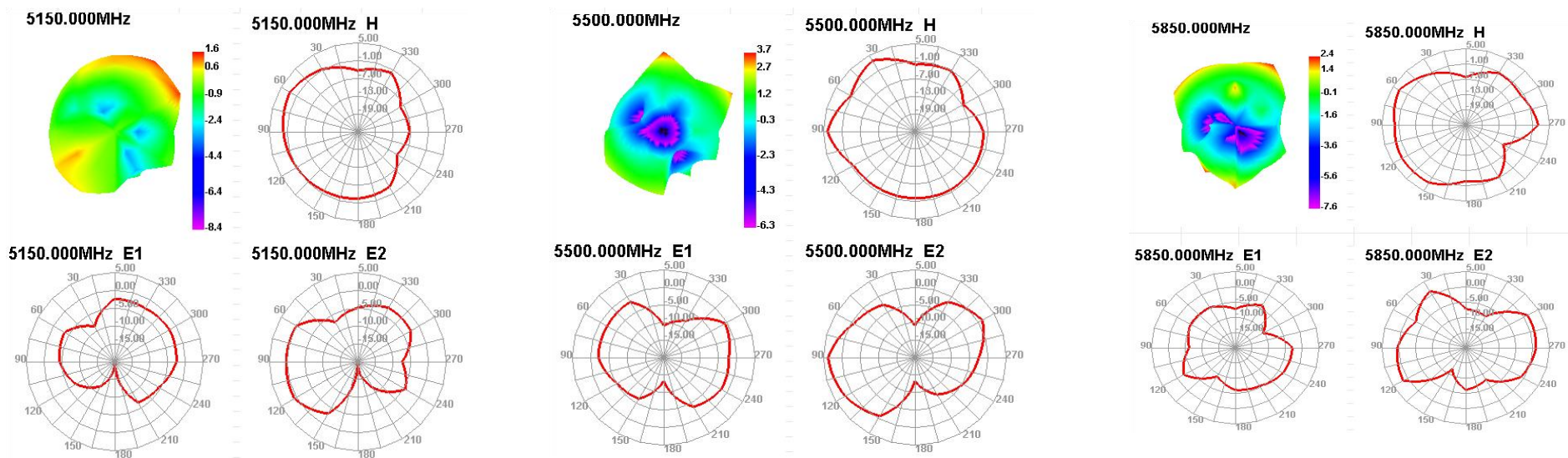
Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	52.54	5.22
2410	54.26	5.3
2420	53.45	4.99
2430	54.41	4.75
2440	56.64	5.07
2450	58.39	4.7
2460	57.9	4.4
2470	57.71	3.82
2480	56.29	3.17
2490	54.53	2.65
2500	53.39	2.1

Freq	Effi	Gain
(MHz)	(%)	(dBi)
5150	49.55	1.57
5350	50.78	2.14
5550	51.55	3.72
5650	51.2	3.48
5850	50.29	2.4

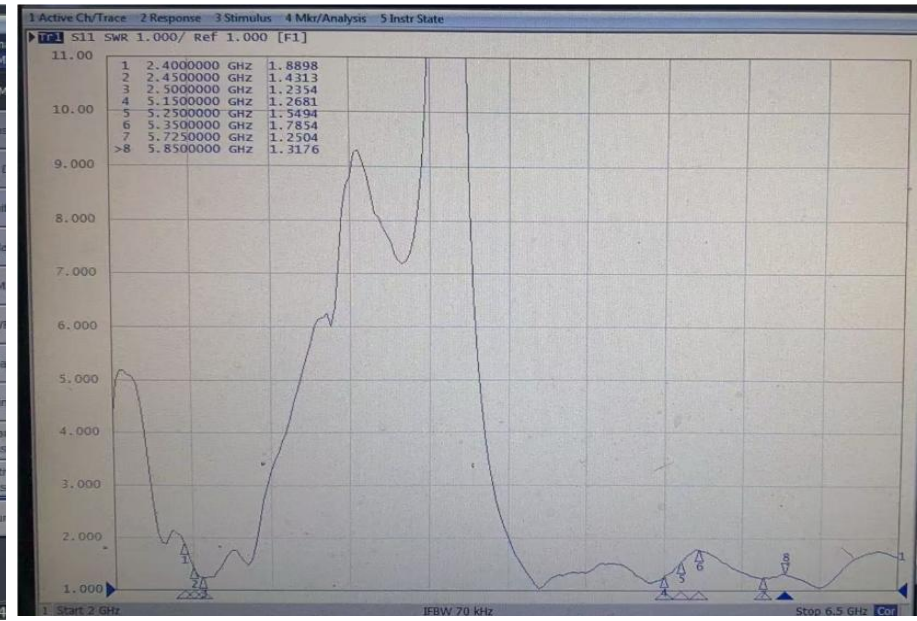
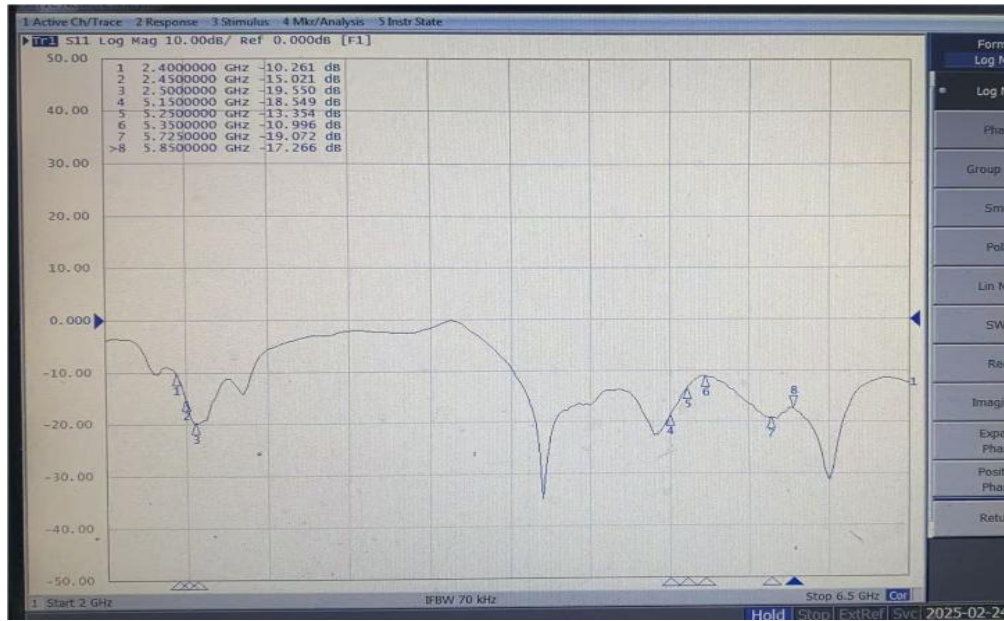
WIFI-1无源测试数据



WIFI-1无源测试数据



WIFI-2 (S11\VSWR)



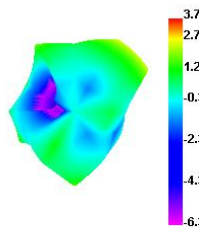
WIFI-2无源测试数据

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	55.35	3.68
2410	56.38	3.66
2420	57.05	3.25
2430	57.71	3.03
2440	58.35	3.22
2450	58.72	3.41
2460	57.42	3.54
2470	57.11	3.43
2480	56.37	3.29
2490	56.89	3.21
2500	55.96	3.00

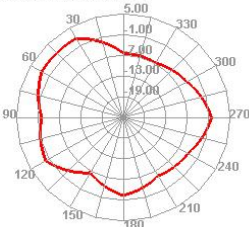
Freq	Effi	Gain
(MHz)	(%)	(dBi)
5150	47.55	2.05
5350	55.78	4.25
5550	57.55	4.33
5650	52.2	5.18
5850	49.29	2.59

WIFI-2无源测试数据

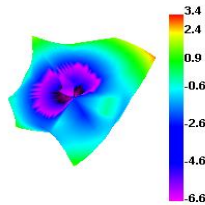
2400.000MHz



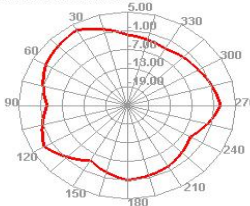
2400.000MHz H



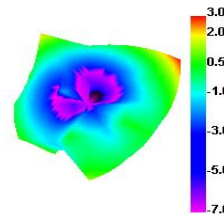
2450.000MHz



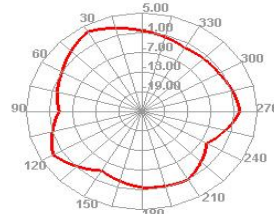
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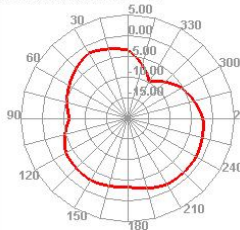
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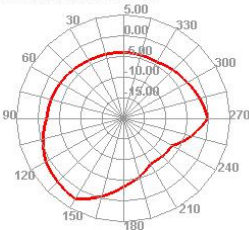
2500.000MHz H



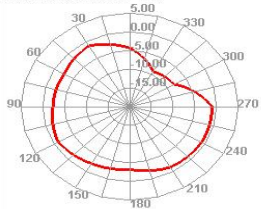
2400.000MHz E1



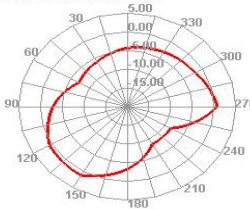
2400.000MHz E2



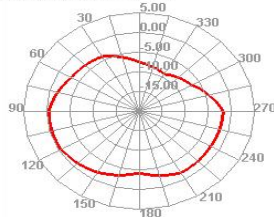
2450.000MHz E1



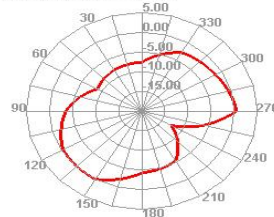
2450.000MHz E2



2500.000MHz E1

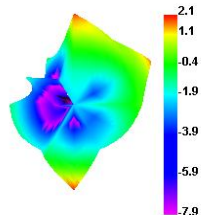


2500.000MHz E2

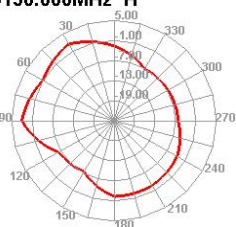


WIFI-2无源测试数据

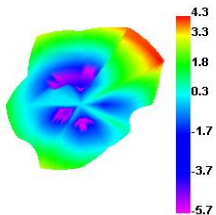
5150.000MHz



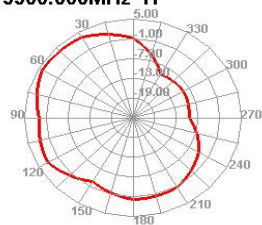
5150.000MHz H



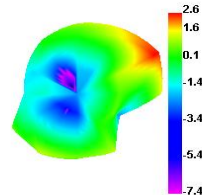
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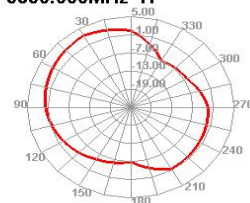
5500.000MHz H



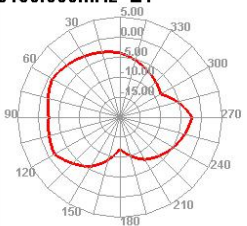
5850.000MHz



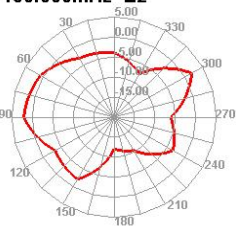
5850.000MHz H



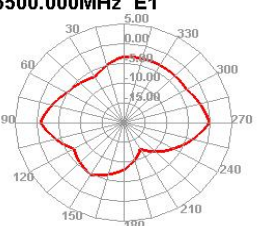
5150.000MHz E1



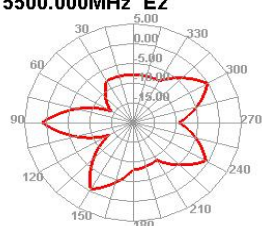
5150.000MHz E2



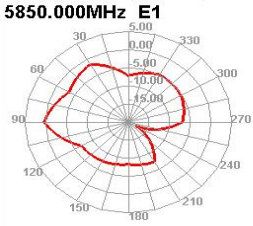
5500.000MHz E1



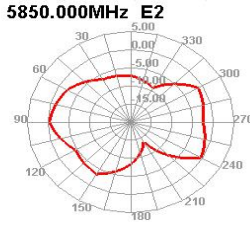
5500.000MHz E2



5850.000MHz E1

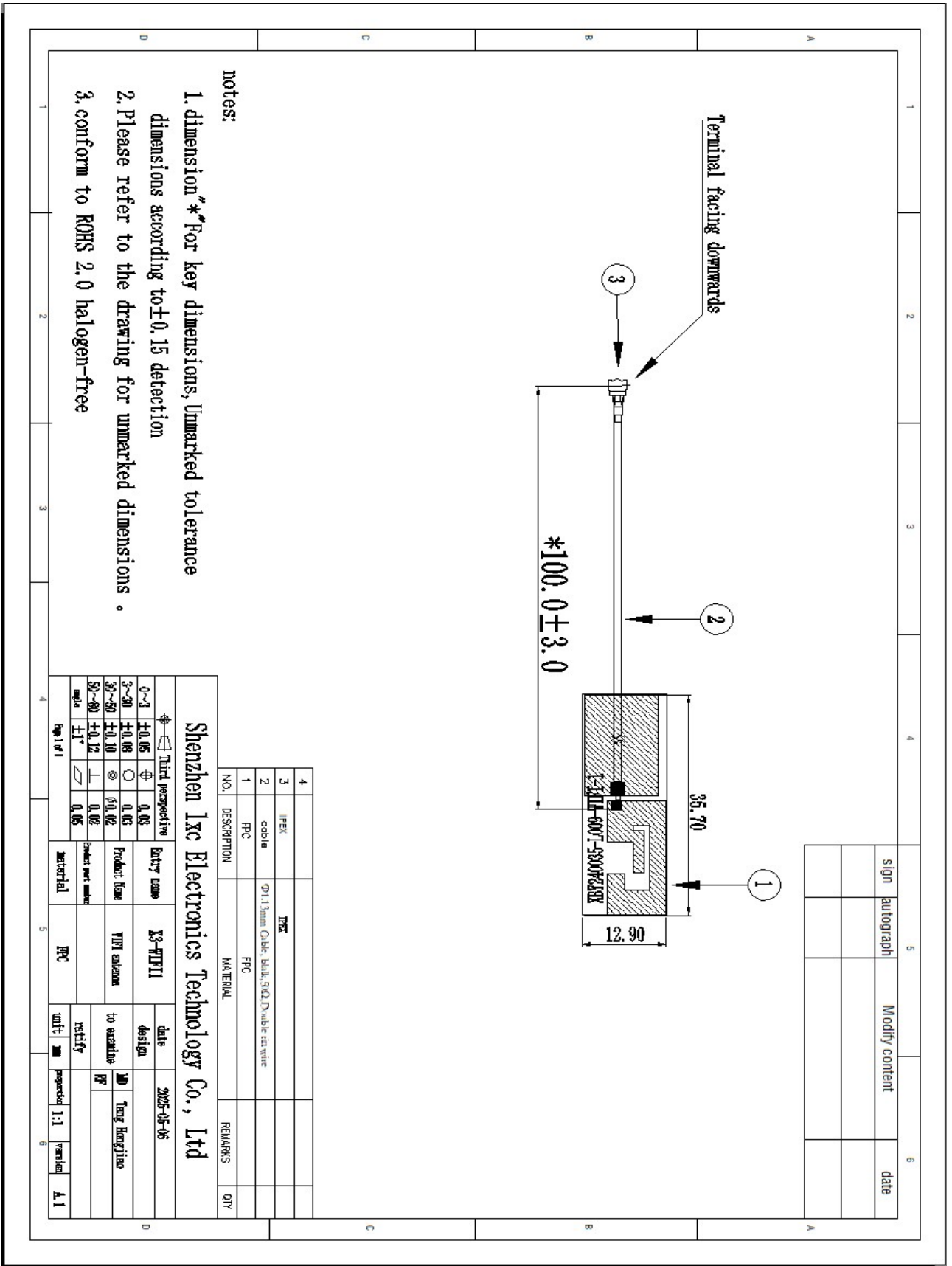


5850.000MHz E2



整机有源测试数据

WiFi(2.4G/B)	CH	功率(11M)	灵敏度(11M)	WiFi(2.4G/N)	CH	功率(MCS7)	灵敏度(MCS7)
	1	16.76	-79.85		1	15.56	-66.82
	6	16.82	-79.93		6	15.63	-66.74
	11	16.65	-80.06		11	15.42	-66.58
WiFi(2.4G/G)	CH	功率(54M)	灵敏度(54M)	WiFi(5G/A)	CH	功率(54M)	灵敏度(54M)
	1	15.25	-69.92		36	16.89	-69.55
	6	15.46	-70.12		149	16.92	-69.76
	11	15.47	-70.24		165	17.05	-69.80



8Project:		Author:Wang	File Name: X3-WIFI1
Date: 2025-05-06			
TEST:	Language:	Check: Zhong	
A	English		
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