



YONG CHENG INTERNATIONAL(OTA)

新锐芯-YX测试报告

Antenna Test Report



◆ 日期 2024年08月02日

Test item	
1	Matching parameter
2	Network debugging antenna S parameters
3	Microwave darkroom test OTA active data
4	Measurement of antenna efficiency field pattern in microwave darkroom
5	measuring distance
6	Assembly item
7	summary of commissioning test



Customer	XRX	Project name	S8
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frequency
band

2400MHZ-2500MHZ

engineer:

CK

Date

2024/08/02

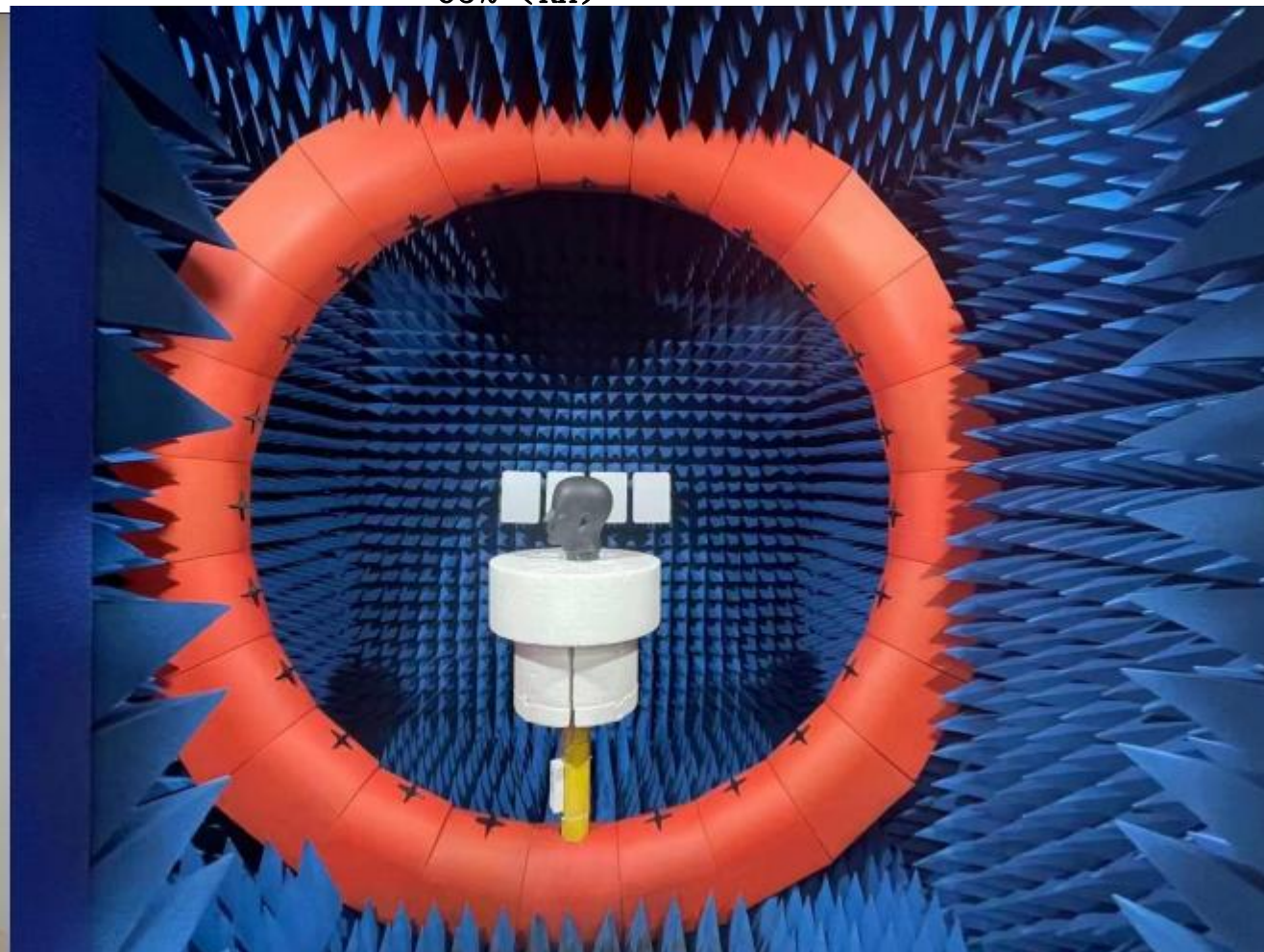
phone:

13530576606



1.测试工具

矢量网络分析仪&综测仪	Agilent Technologies E5071B & R&S CMW500
暗室	Atenlab M3
测试工程师	CK
温度	25℃
湿度	65% (RH)

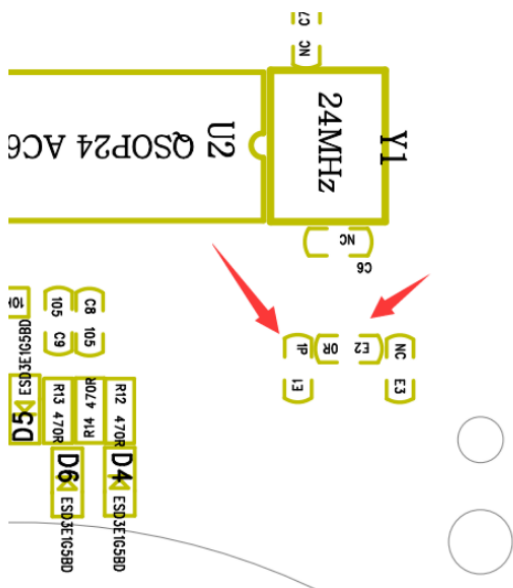




Antenna Placement

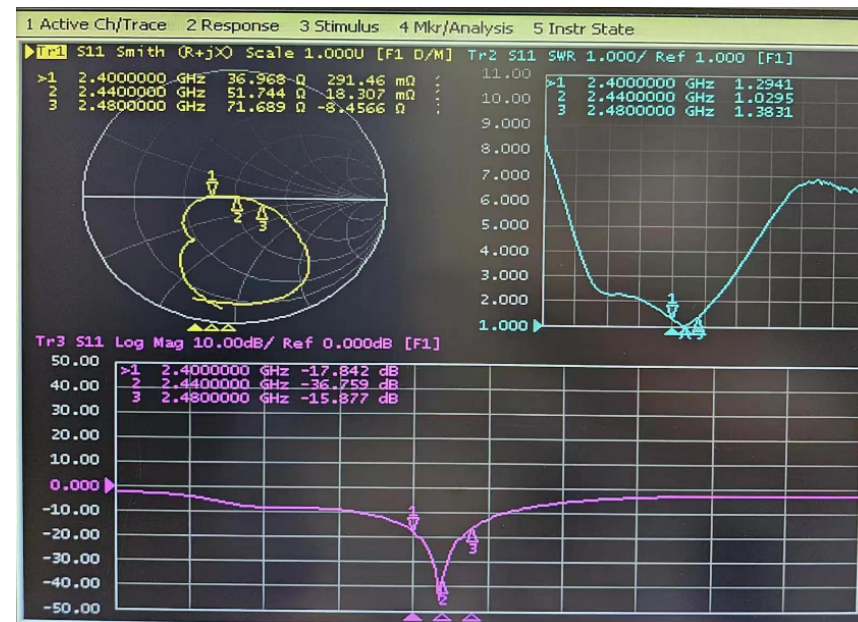
ANT:

Matching Circuit: 参数





S11、SWR、smith chart:





Antenna efficiency gain

天线效率与增益图



Frequency	Effic	Percen	Gain
2400	-5.64	27.27%	-1.05
2410	-5.31	29.45%	-0.94
2420	-4.76	33.45%	-0.6
2430	-4.79	33.2%	-0.56
2440	-5.43	28.62%	-0.73
2450	-5.33	29.34%	-0.43
2460	-5.72	26.81%	-0.19
2470	-5.87	25.91%	0
2480	-5.57	27.73%	0.46

measuring distance

a. Environme

test project	Trying hard not to hear		Pocket test requirement		descr
S8			right front	OK	The iPhone5 was tested over 12meters in the park
	OK		front-left	OK	
			right rear	OK	
			left rear	OK	

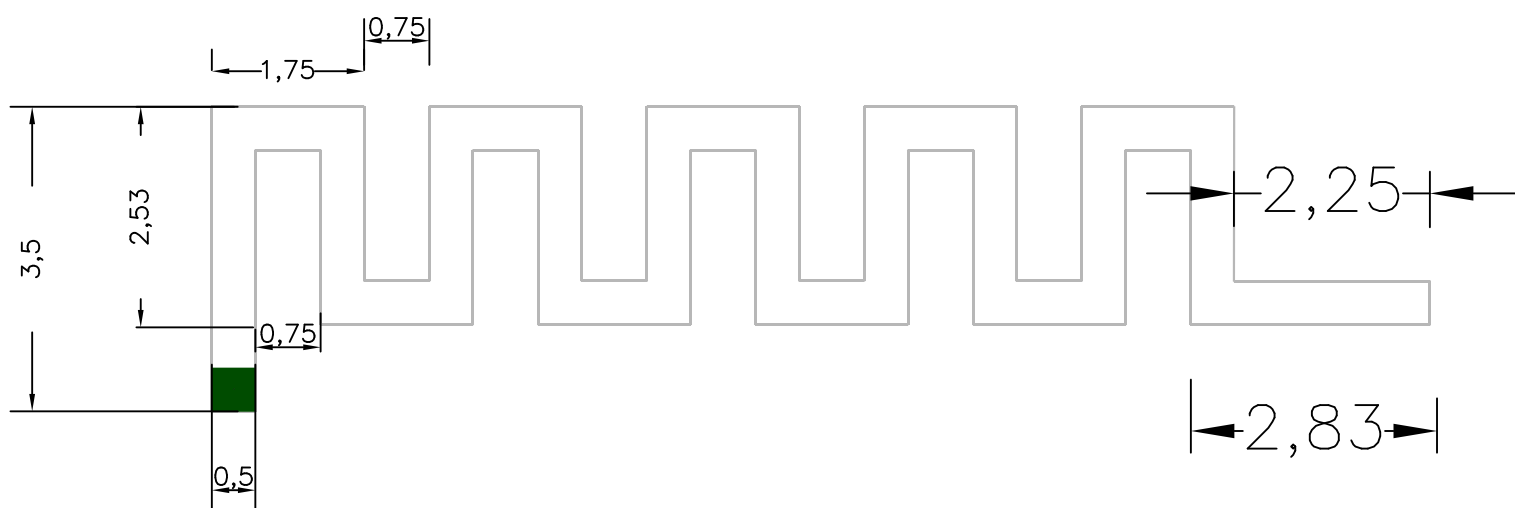
b. summarize

S8 machine actual test, OTA data test, basically distance matching, our park grass test effect is excellent

assembly method

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UNIT: mm



Thank you for watching

Wish you enjoy your life

2023-5-12