



# 深圳市凯普深通讯科技有限公司

Shenzhen cape deep communication technology co., LTD

## 天线调试报告

Antenna commissioning report

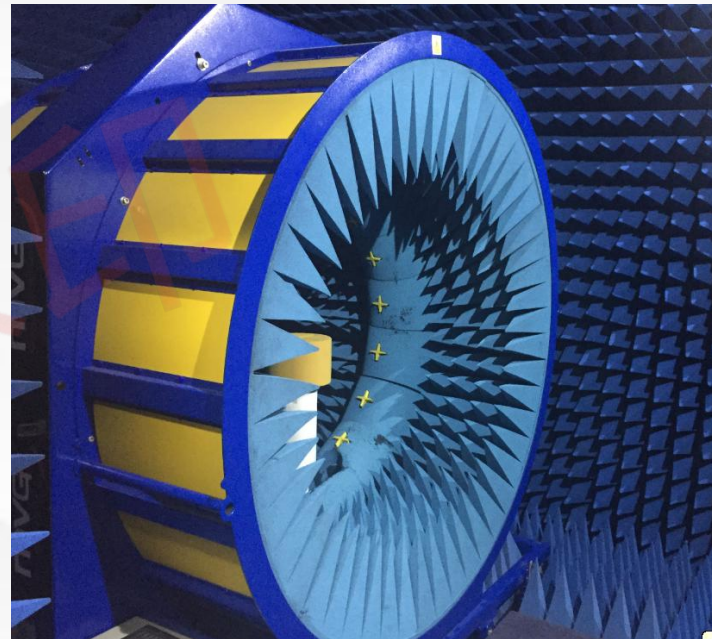
客户：乐戴科技  
项目名：C25  
射频：黎工  
日期：2023.07.31  
版本：01



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# 实验室测试环境及设备

Laboratory test environment and equipment




Test item	Test equipment
S11、S12、VSWR、LOSS	网络分析仪E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16暗室、GP7*4*3暗室、E5071B
TRP、TIS	Satimo SG16暗室、GP7*4*3暗室、8960、 CMW500、MT8820C、E4438C、



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# 项目调试简介

Introduction to project debugging

		<b>Frequency band information</b>	
<b>Antenna type and frequency band information</b>			
	<b>BT</b>	2400M-2480M	
<b>Antenna size</b>			

蓝牙导线直径0.55mm,线长25mm  
要剥头焊接用

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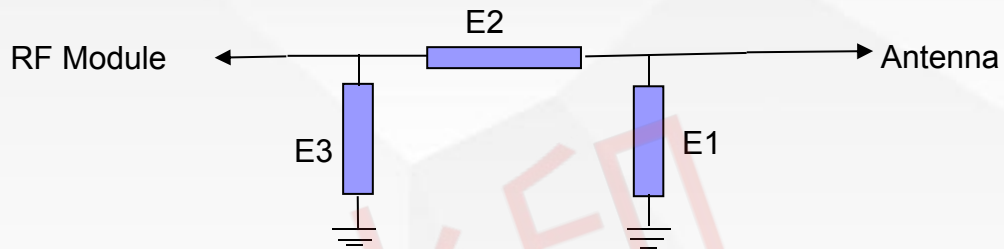
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# BT天线匹配电路

BT antenna matching circuit

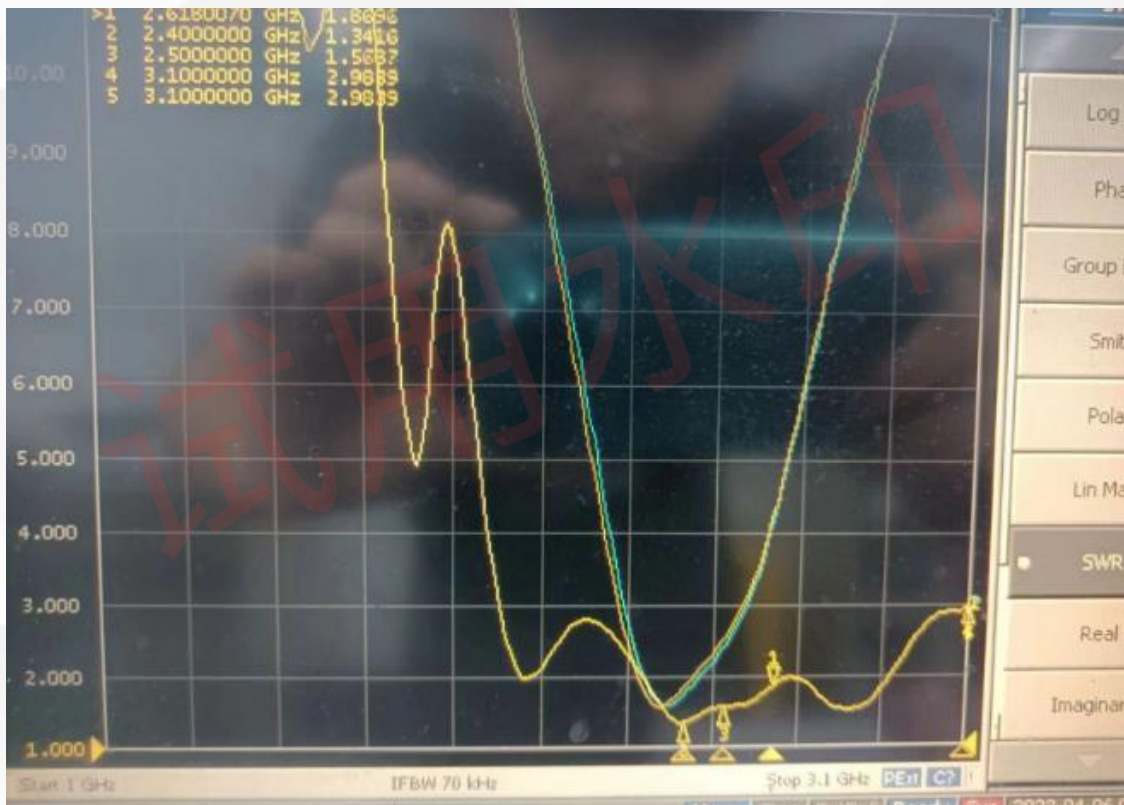


	Element	Value
	E1(0201)	
	E2(0201)	
	E3(0201)	



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# BT无源驻波图



# BT效率测试数据(自由)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	7.78	-11.09	-5.33
2410	6.73	-11.72	-5.9
2420	6.82	-11.66	-5.95
2430	7.12	-11.48	-5.75
2440	7.87	-11.04	-5.37
2450	7.96	-10.99	-5.38
2460	7.72	-11.12	-5.57
2470	7.26	-11.39	-5.69
2480	7.65	-11.17	-5.48
2490	8.49	-10.71	-5.01
2500	9.19	-10.37	-4.75

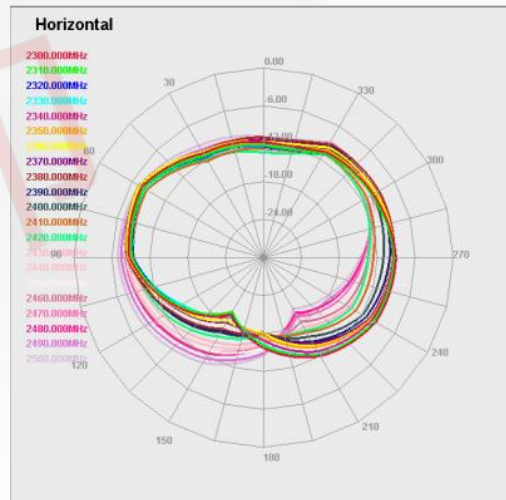
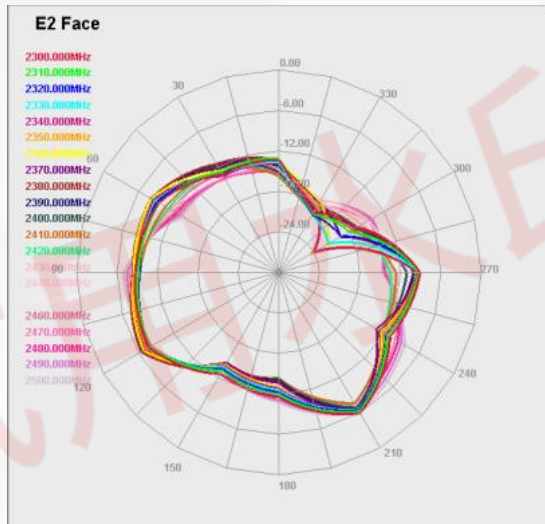
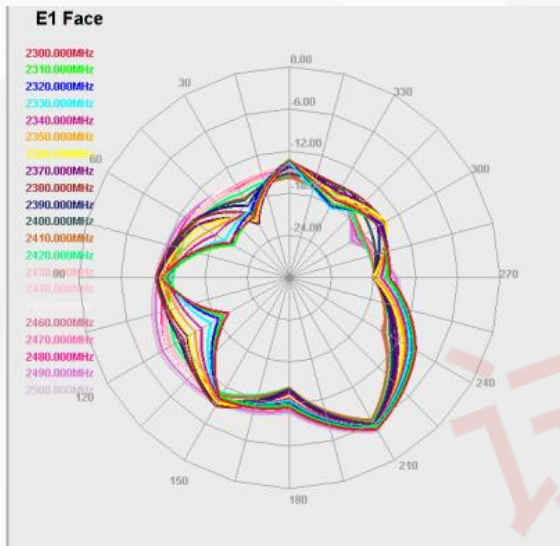




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# 天线无源测试方向图

自由





## 联系方式

联系方式：

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**THE END**

感谢您的宝贵意见！