



深圳市凯普深通讯科技有限公司

Shenzhen cape deep communication technology co., LTD

天线测试报告

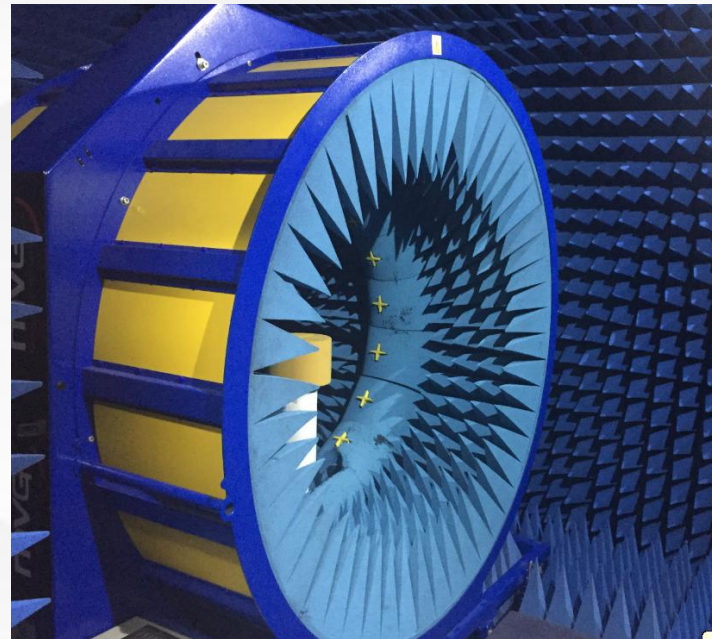
test report

客 户：瑞博芯
射 频：陈工
日 期：2022.07.14



凯普深

实验室测试环境及设备



测试项目	测试设备
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、



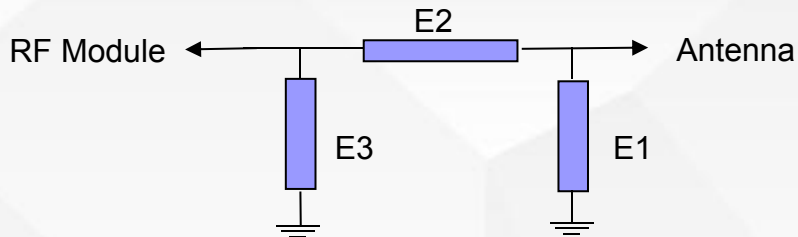
项目调试简介

整机类型			
		频段信息	天线形式
天线种类及频段信息	天线	2400-2480M	
天线材质			



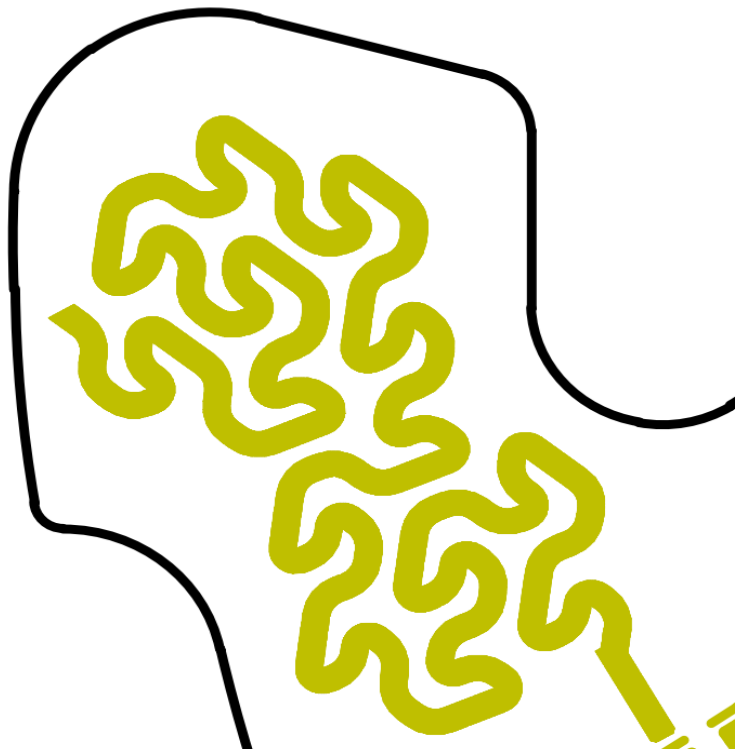
凯普深

BT天线匹配电路

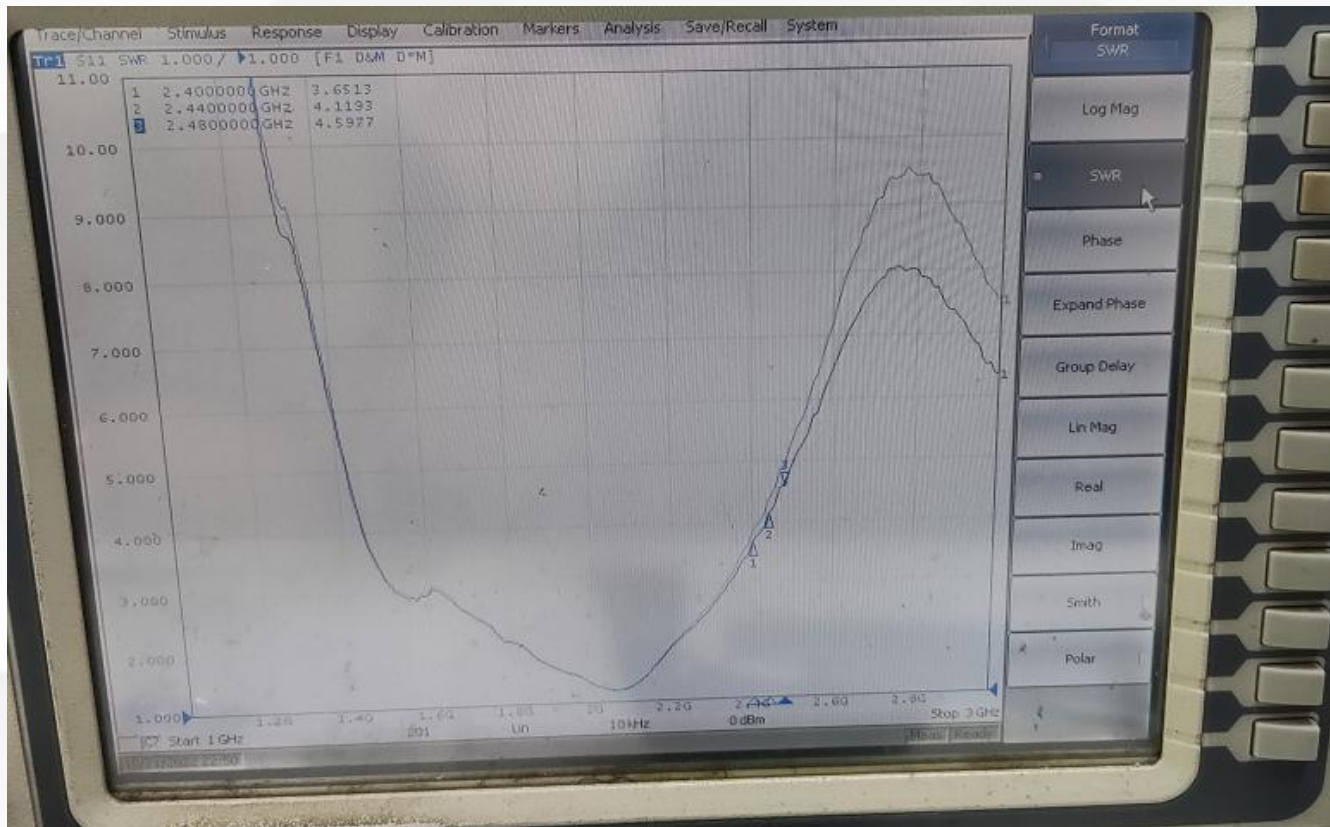


耳机	Element	Value	主板原有匹配
	E1(0201)		
	E2(0201)		
	E3(0201)		

天线示意图



BT天线无源驻波图





凯普深

蓝牙有源测试数据

自由空间

Channel	TRP(dBm)	TIS(dBm)
0	5.1	-86.7
39	4.8	-86.8
78	4.3	-86.3

头模

Channel	TRP(dBm)	TIS(dBm)
0	4.6	-85.5
39	4.4	-85.6
78	3.8	-85.2



凯普深

蓝牙无源测试数据

Passive Test For WIFI2.4

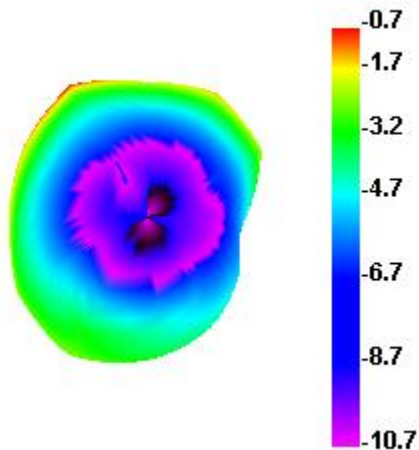
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	32.28	-4.91	-0.73	-2.88	9.252	23.027	-0.73	-12.85	4.18	30	50.83	51.18
2410	34.59	-4.61	-0.44	-2.59	10.012	24.574	-0.44	-12.37	4.17	30	50.74	50.96
2420	34.51	-4.62	-0.44	-2.59	10.106	24.402	-0.44	-12.31	4.18	30	50.76	51.1
2430	34.93	-4.57	-0.37	-2.52	10.351	24.578	-0.37	-12.72	4.19	30	51.01	51.29
2440	34.6	-4.61	-0.43	-2.58	10.318	24.278	-0.43	-13.14	4.18	30	51.36	51.61
2450	35.6	-4.48	-0.43	-2.58	10.726	24.878	-0.43	-12.93	4.06	30	51.55	51.67
2460	33.32	-4.77	-0.65	-2.8	10.135	23.184	-0.65	-13.02	4.12	30	51.31	51.57
2470	32.15	-4.93	-0.72	-2.87	9.905	22.25	-0.72	-13.38	4.21	30	51.23	51.32
2480	29.09	-5.36	-1.23	-3.38	9.07	20.02	-1.23	-14.12	4.13	30	51.15	51.36
2490	27.55	-5.6	-1.32	-3.47	8.765	18.783	-1.32	-14.49	4.28	30	51.36	51.55
2500	26.98	-5.69	-1.22	-3.37	8.687	18.291	-1.22	-14.65	4.47	30	51.53	51.69



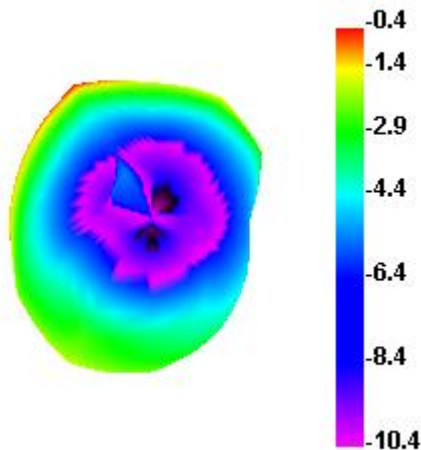
凯普深

蓝牙无源3D苹果图

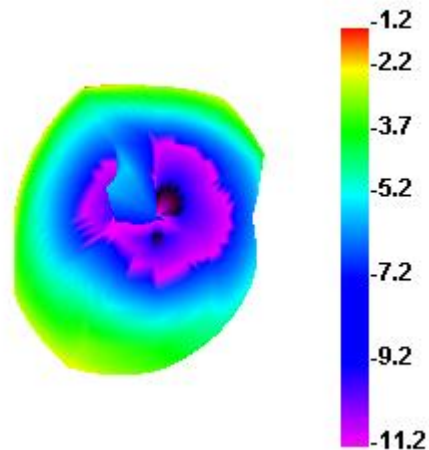
2400.000MHz



2440.000MHz



2480.000MHz

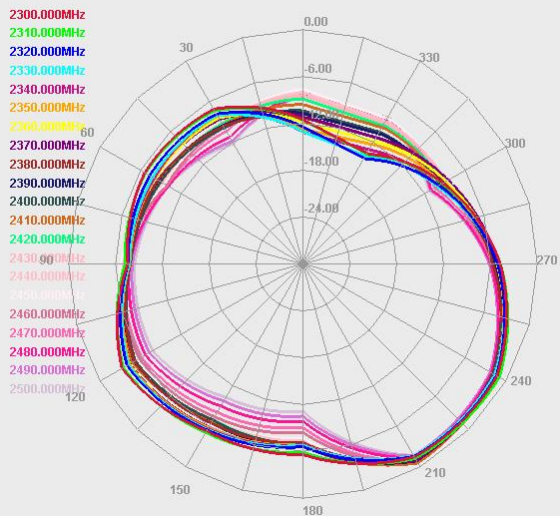




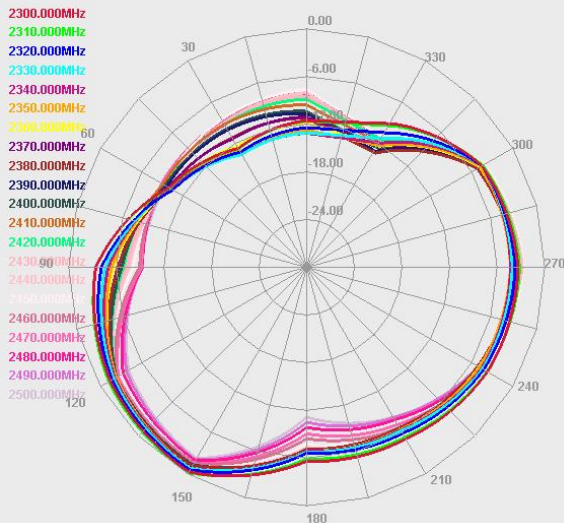
凯普深

蓝牙无源2D方向图

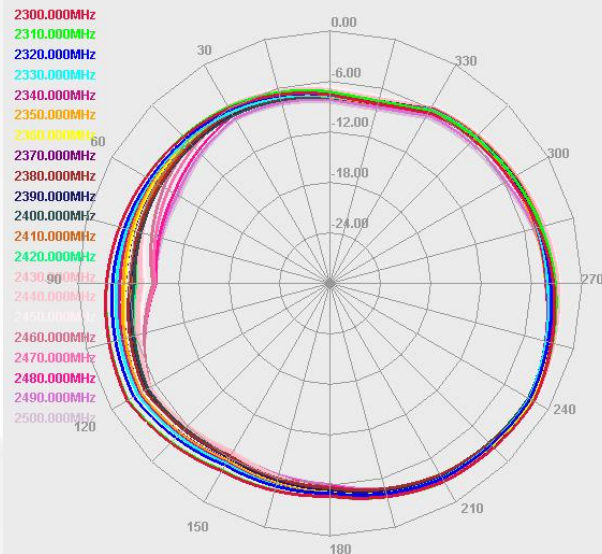
E1 Face



E2 Face



Horizontal





联系方式

射频 : 陈工
电话 : 17817617223
邮箱 : kpsyanfa2@szkpstx.com
地址 : 龙华区龙观大道440号龙城工业区御龙办公楼二楼



THE END

感谢您的宝贵意见！