



深圳市凯普深通讯科技有限公司

Shenzhen Kaipushen Communication Technology Co., Ltd

天线调试报告

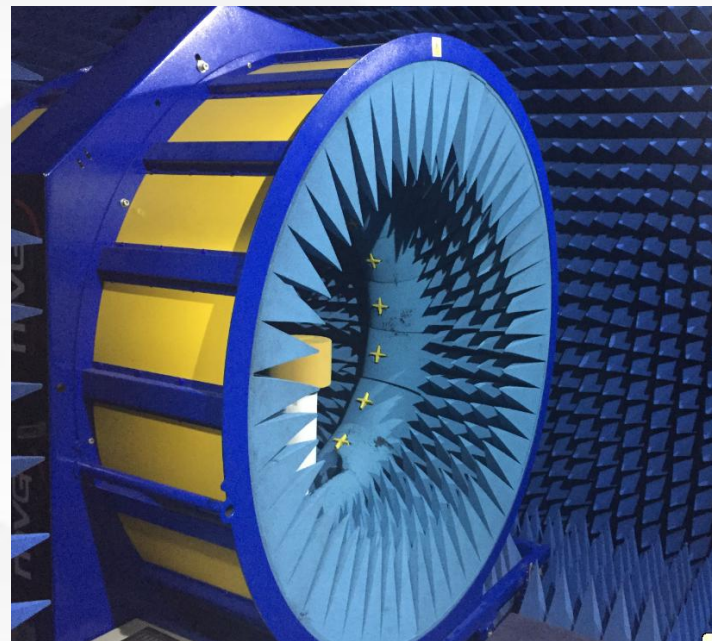
Antenna debugging report

客 户customer: 乐戴
项 目project : X1
射 频RF: 谷工Gu Gong
日 期Date: 2024.02.27
版 本Edition: V01



实验室测试环境及设备

Laboratory testing environment and equipment



测试项目 Test items	测试设备 Test equipment
S11、S12、VSWR、LOSS	网络分析仪network analyzerE5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16暗室darkroom、GP7*4*3暗室 darkroom、E5071B
TRP、TIS	Satimo SG16暗室darkroom、GP7*4*3暗室 darkroom、8960、CMW500、MT8820C、 E4438C、



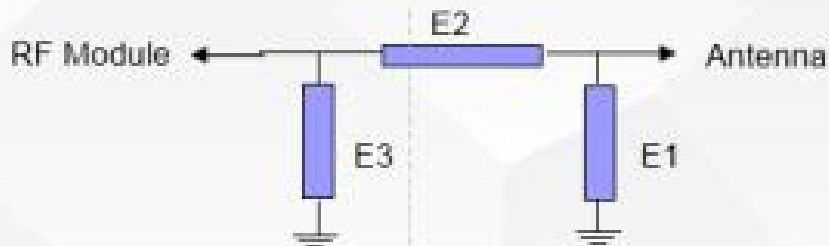
项目调试简介

A Brief Introduction to debugging the project

整机类型 Machine type	手表 Wrist watch			
		频段信息 Frequency band information	天线形式 Antenna form	匹配改动 Matching changes
天线种类及频段信息 Antenna type and frequency band information	天线 Antenna	蓝牙Bluetooth	PIFA	否 NO
天线材质 Antenna material	FPC			

BT天线匹配电路

BT antenna matching circuit

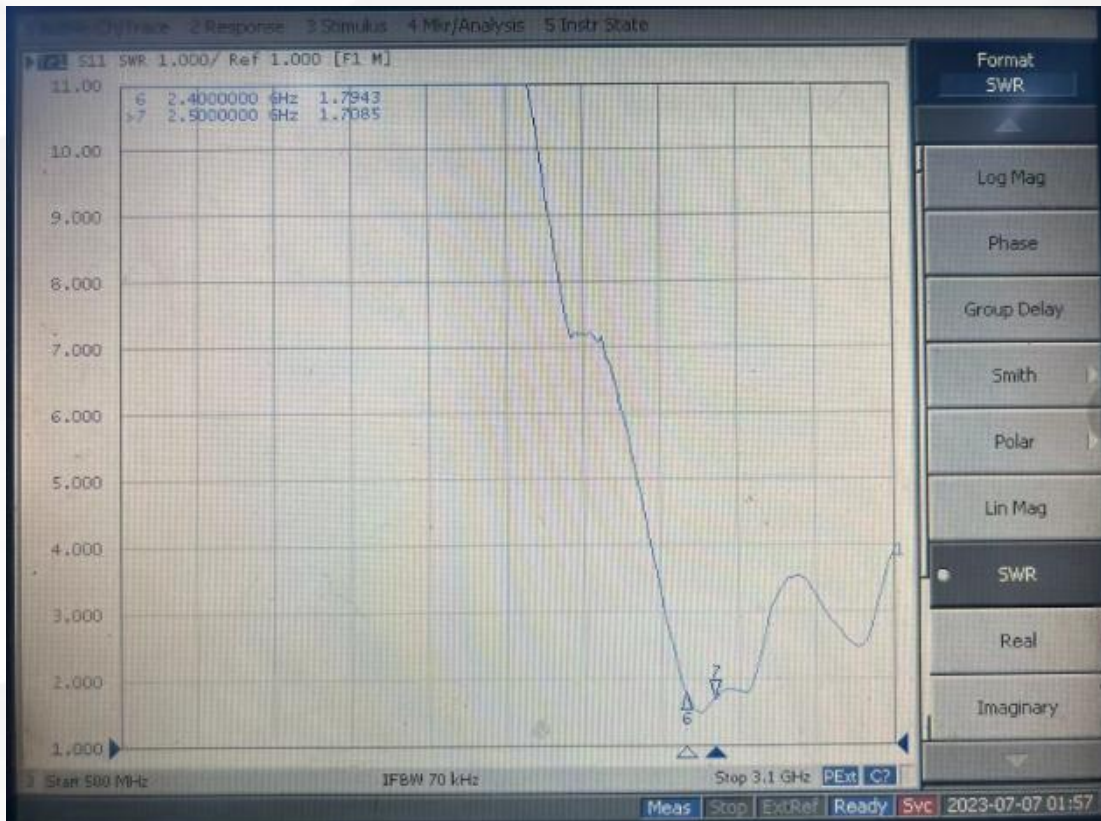


	Element	Value	
手表	E1(0201)		贵司原有匹配
	E2(0201)		
	E3(0201)		



BT天线 SWR 图

BT antenna SWR diagram





BT 天线无源效率

Passive efficiency of BT antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	7.06	-11.51	-7.25
2410	6.78	-11.69	-7.32
2420	7.27	-11.38	-7.13
2430	6.9	-11.61	-7.48
2440	7.28	-11.38	-7.22
2450	7.23	-11.41	-7.08
2460	7.05	-11.52	-6.94
2470	6.01	-12.21	-7.41
2480	6.67	-11.76	-6.75

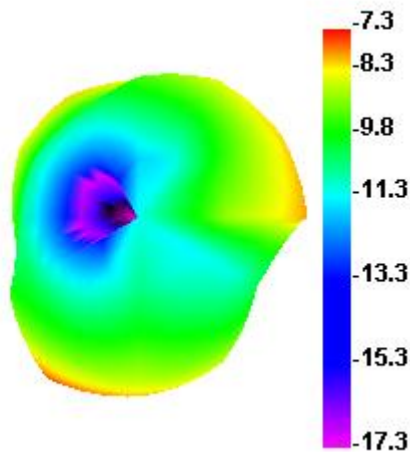


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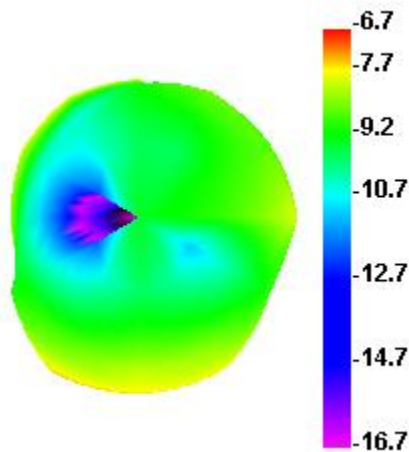
BT 天线方向图

BT antenna pattern

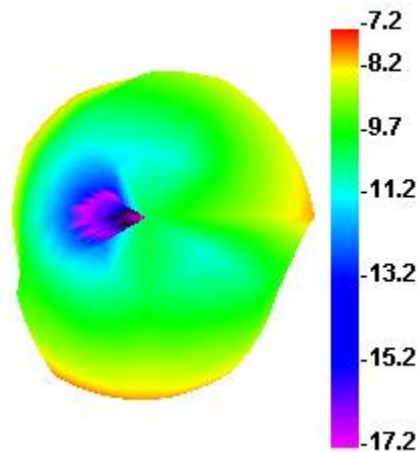
2400.000MHz



2480.000MHz

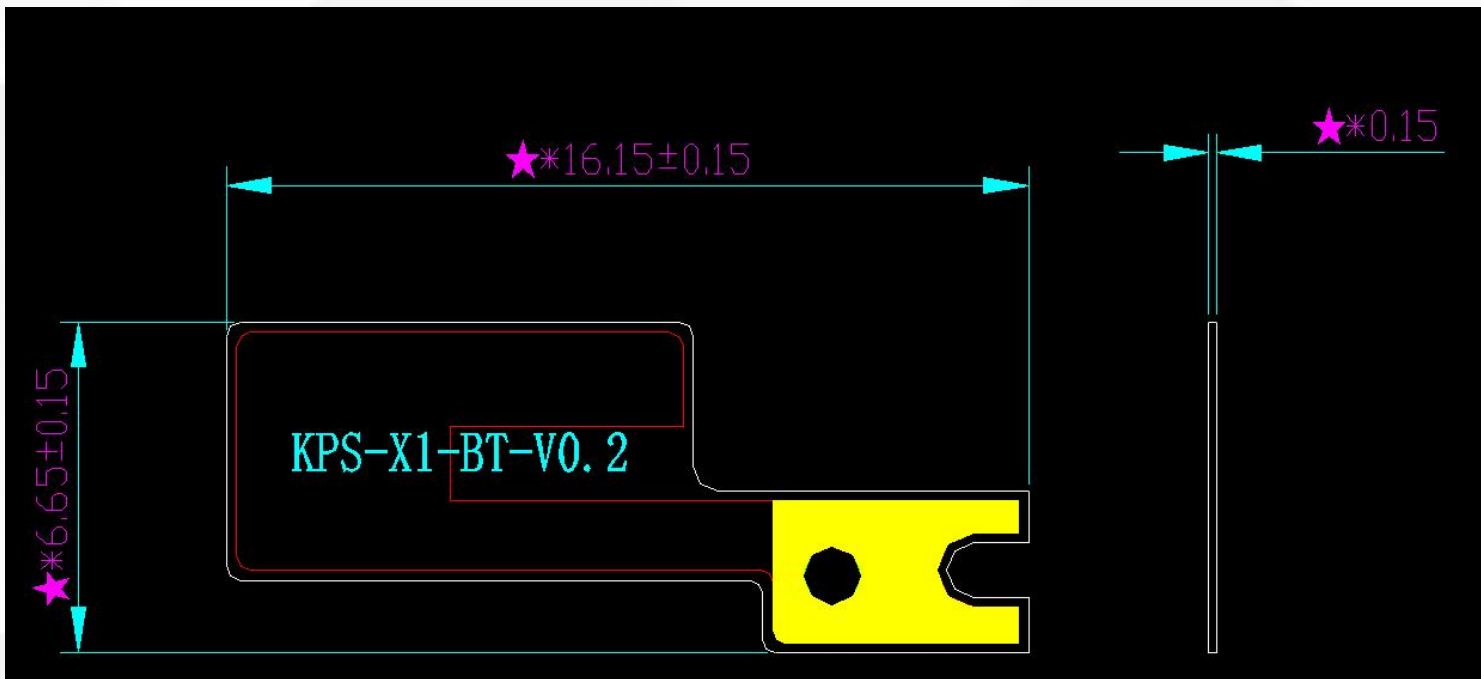


2440.000MHz



天线规格尺寸

Antenna size and specification





联系方式

Contact information

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THE END

**感谢您的宝贵意见！
Thank you for your
valuable feedback !**