

东莞市鑫宇无线技术有限公司

天线测试报告

Antenna Test Report

项目名称/Project Name: 不带无线充款-BT

项目类型: 无线射频卡

日期/Data: 2024.07.19

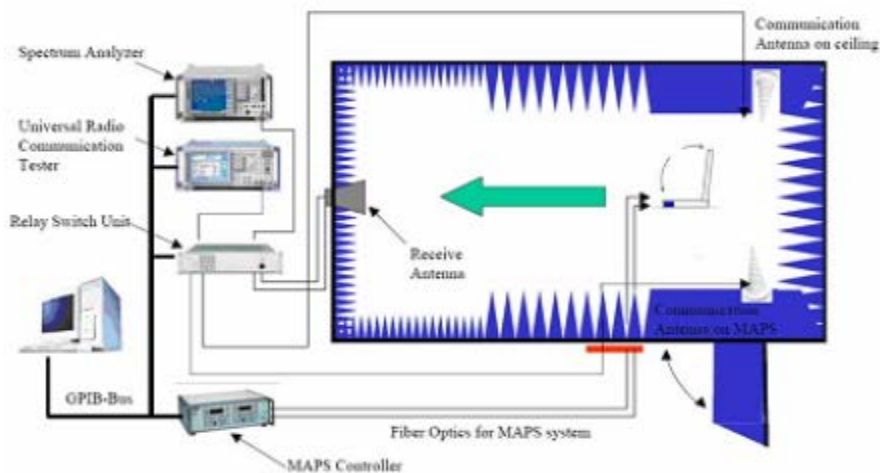
版本/Ver: 1.0

Dongguan Xinyu wireless technology Co., LTD

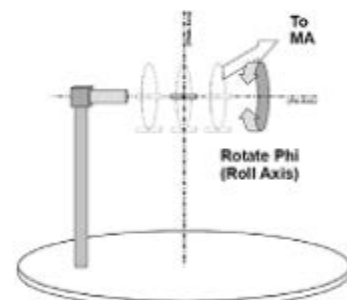
研发设备功能简介

1	Agilent 5071B/5062A等网络分析仪：频率300K~8G,测试回波损耗/驻波比/Smith
2	2台Agilent 8960综测仪：测试2G（CDMA/GSM)/3G (EVDO/WCDMA/TD) TRP/TIS
3	星河亮点SP6010综测仪：测试GSM/TD TRP/TIS 及CMMB
4	星河亮点SP8011综测仪：测试4G LTE TRP/TIS
5	GPS-101：测试 GPS传导
6	2个7X4X3(m)、1个6X3X3(m) 3D微波暗室

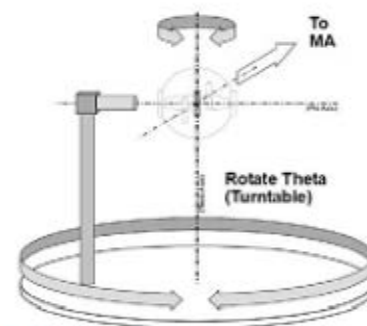
测试环境



(Testing by 3D anechoic chamber)

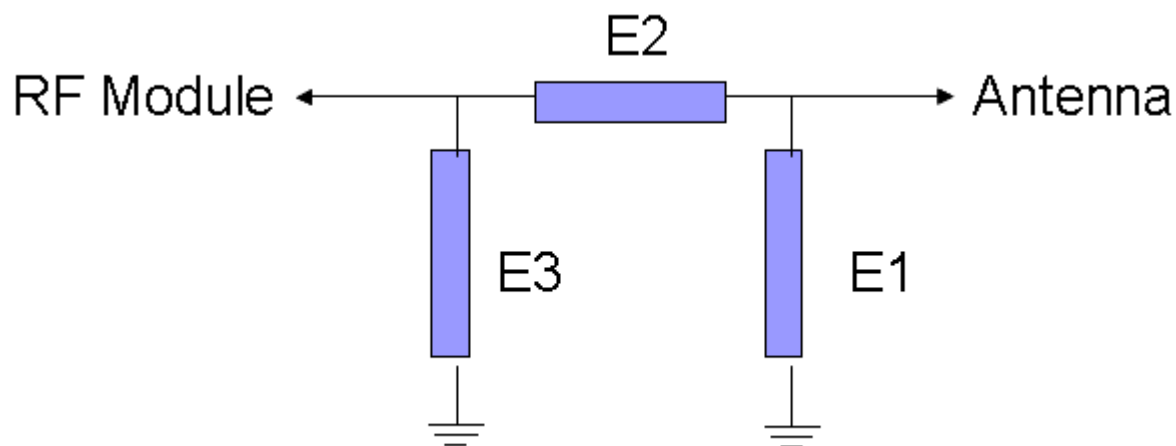


Phi axis test



Theta axis test

匹配电路



匹配电路变更为如下：

E3=NC

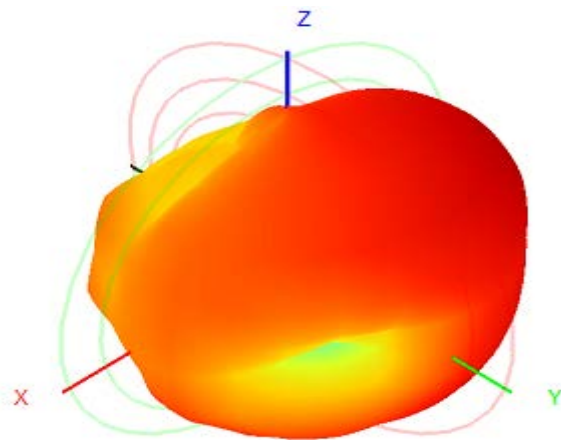
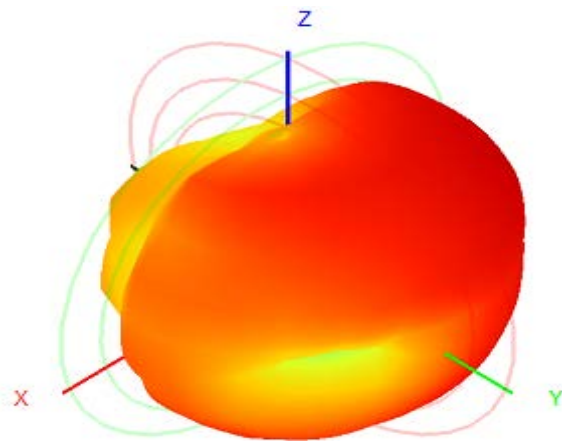
E2=0R

E1=NC

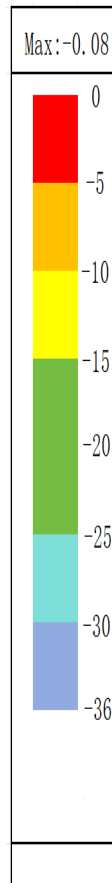
Wifi 效率&增益

Freq (MHz)	Effi (%%)	Gain (dBi)
2400	37.2	-0.08
2410	37.15	-1.07
2420	38.5	-0.62
2430	38.72	-1.02
2440	39.19	-0.21
2450	37.25	-0.83
2460	37.88	-0.93
2470	37.05	-1.8
2480	37.54	-0.18
2490	35.94	-1.06
2500	36.27	-0.53

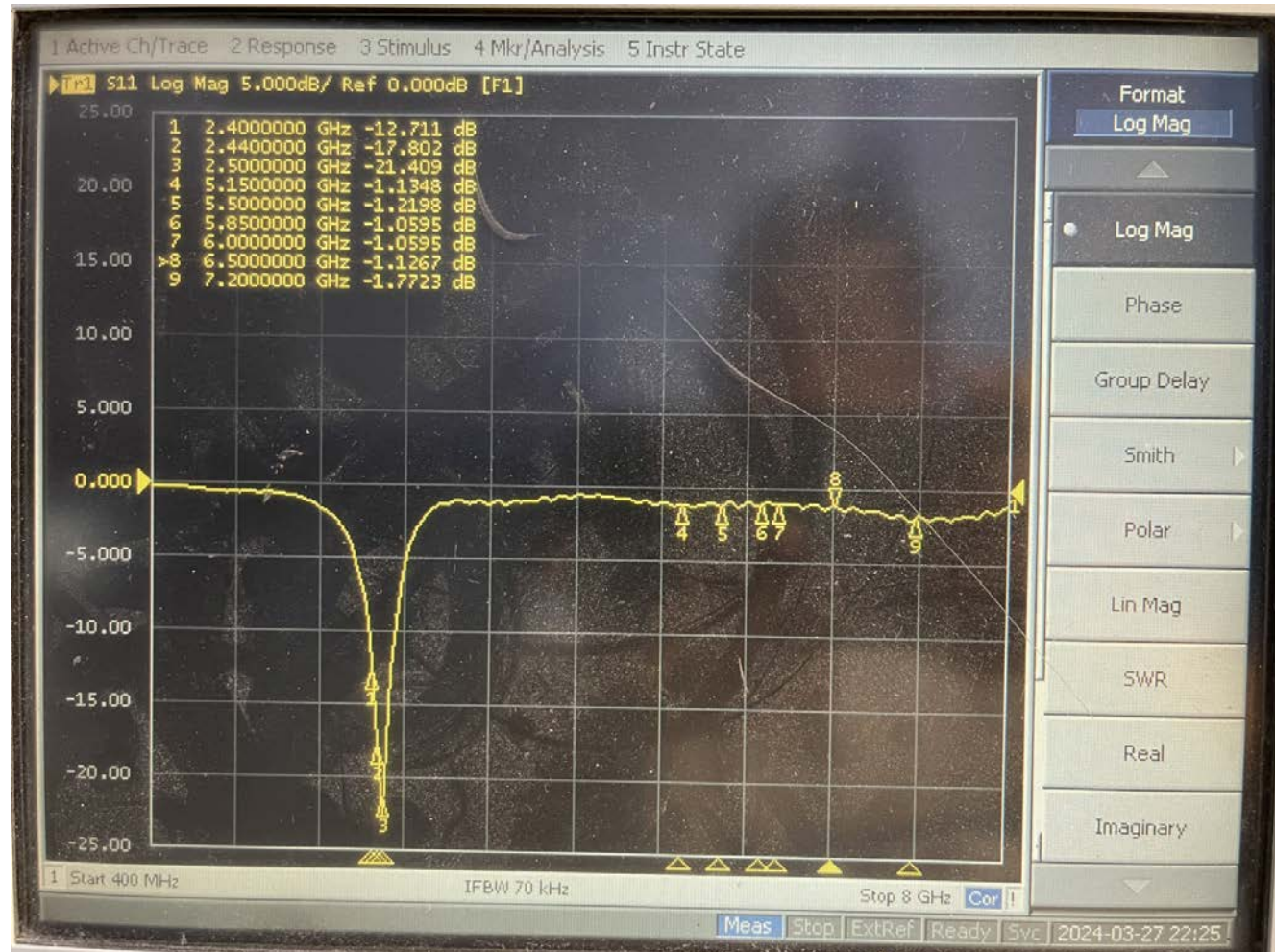
3D



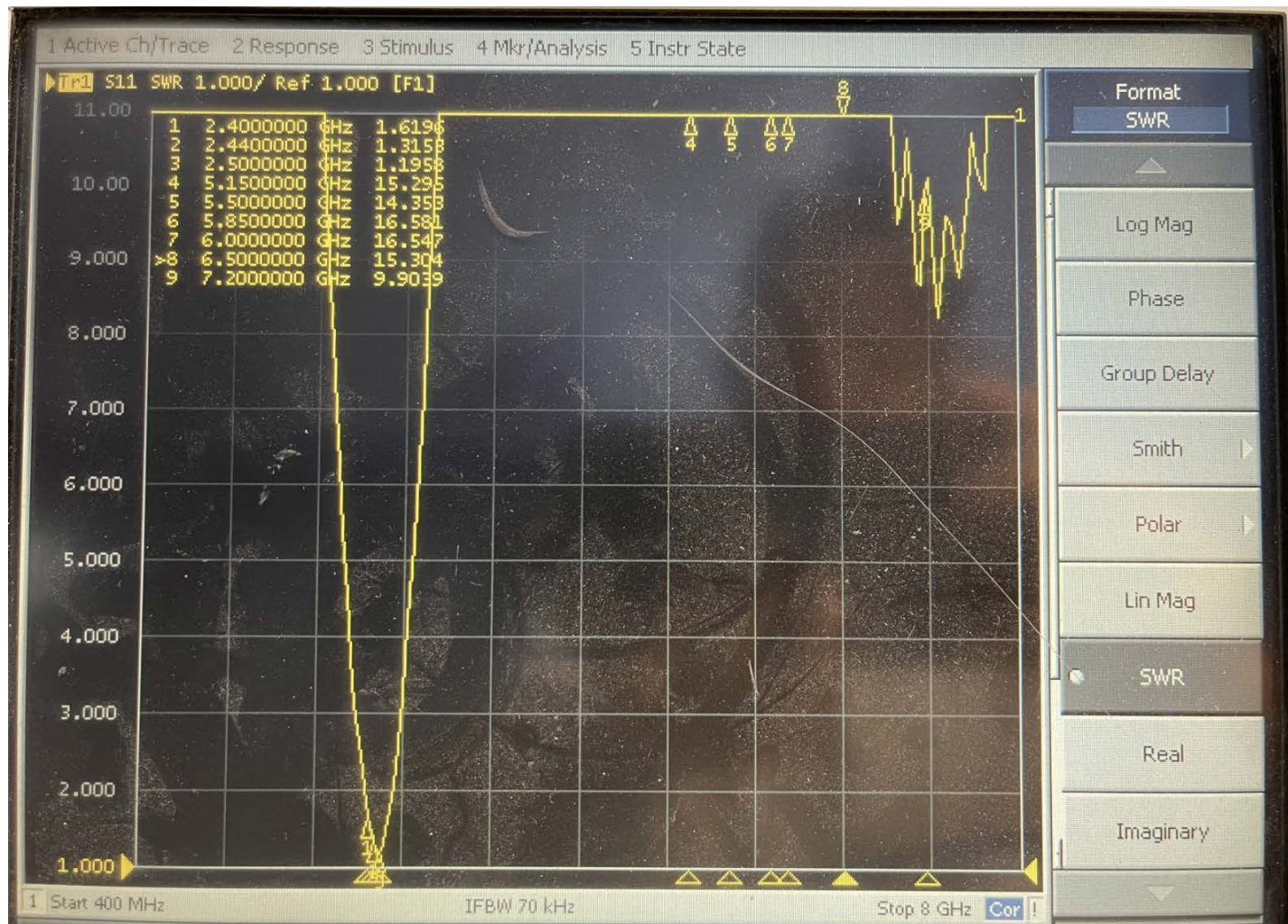
Unit:dBi



Wifi S11&SWR&Smith



Wifi S11&SWR&Smith

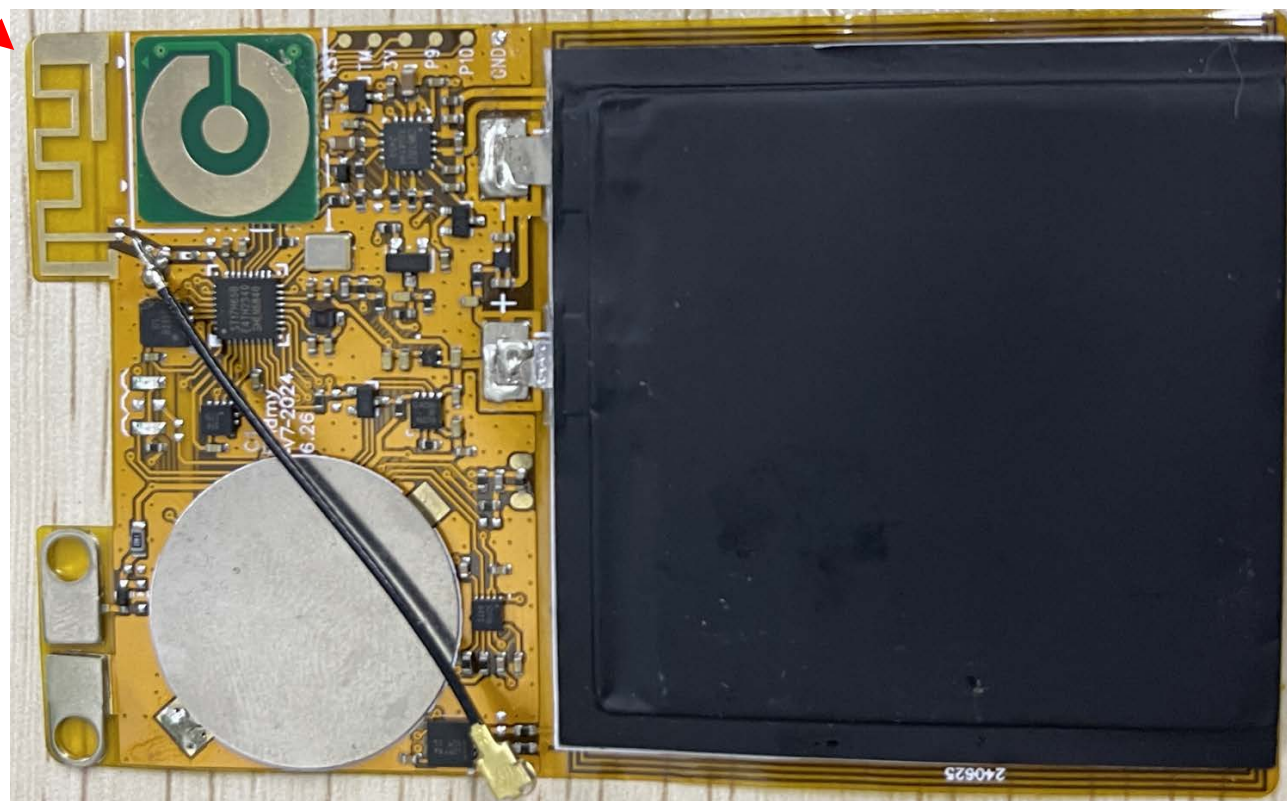


Wifi S11&SWR&Smith



天线细节图

ANT



PCB-ANT

Antenna size diagram

ANT-BT

