



深圳市安特通讯科技有限公司

Shenzhen ANT Communication Technology Co., LTD.

天线测试报告

客户名称: HUACHUANG TECHNOLOGY LTD

项目名称: XXX

规格书版本: RA

物料规格: WIFI/蓝牙天线

规格-型号	料号
WIFI/蓝牙天线	

安特会签栏				
研 发	结构: 李志恩	审核: 周绍辉	批准:	日 期 : 2023.07.13
	射频: 阳诗海	审核: 刘峰		
客户会签栏				
电子工程师	项目经理	结构工程师	品质工程师	

一、产品规格技术参数：

电性能参数	
频率范围	2400-2500MHZ
输入阻抗	50 Ω
驻波比	≤2.5
最大增益	0.69dBi
效率	>25%
极化方式	垂直
辐射方向	全向
机械参数	
天线尺寸	
天线类型	
接头类型	/
拉拔力	/
盐雾试验	24H 以上
环境参数	
工作温度	-45℃---+85℃
储存温度	-45℃---+85℃

二、测试设备

1. 网络分析仪

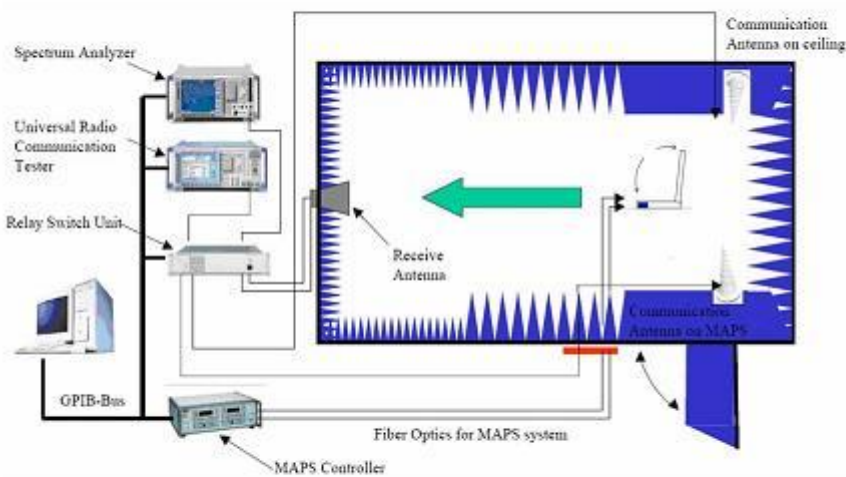
Agilent 8960 5071C

2. 综合测试仪

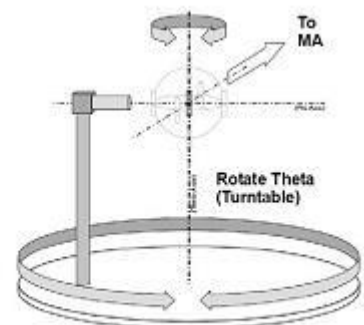
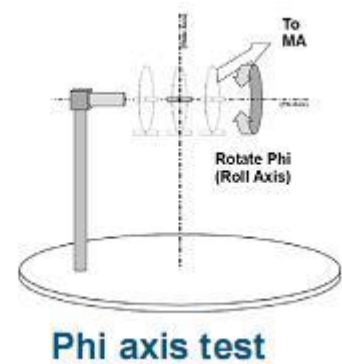
CMW500

3. 3D 暗室测试系统

SATIMO-16 XH-24

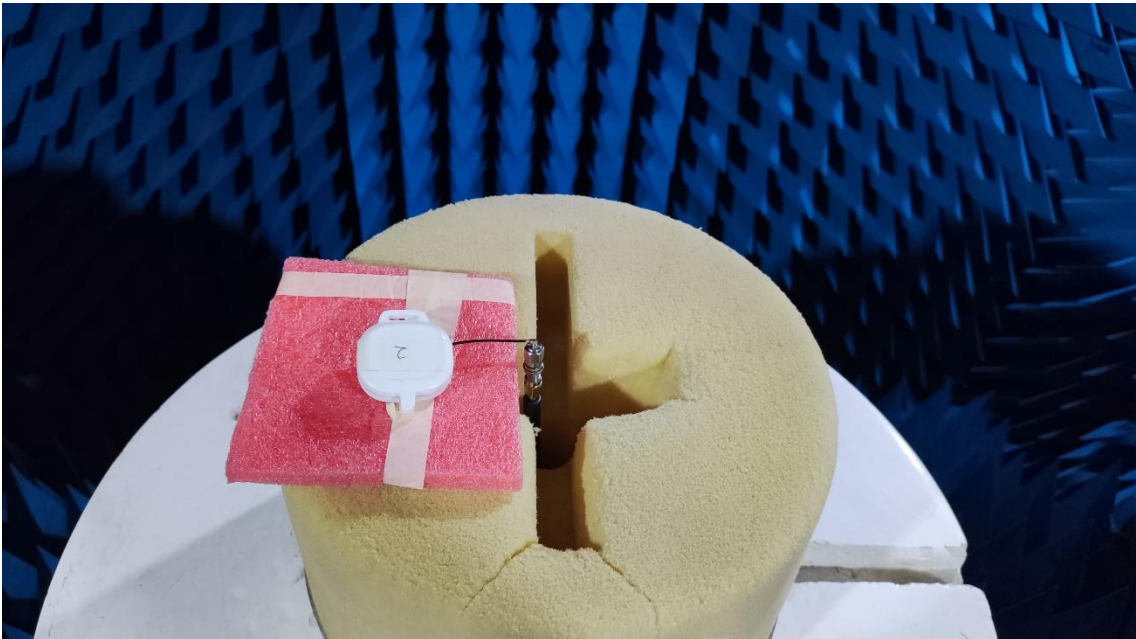
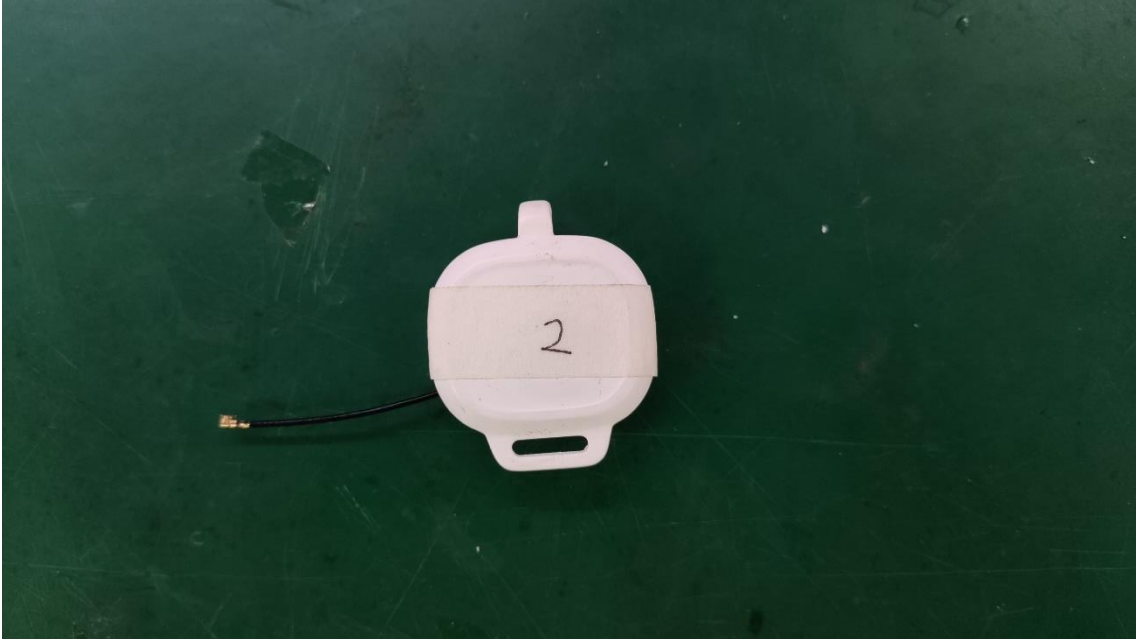


(Testing by 3D anechoic chamber)

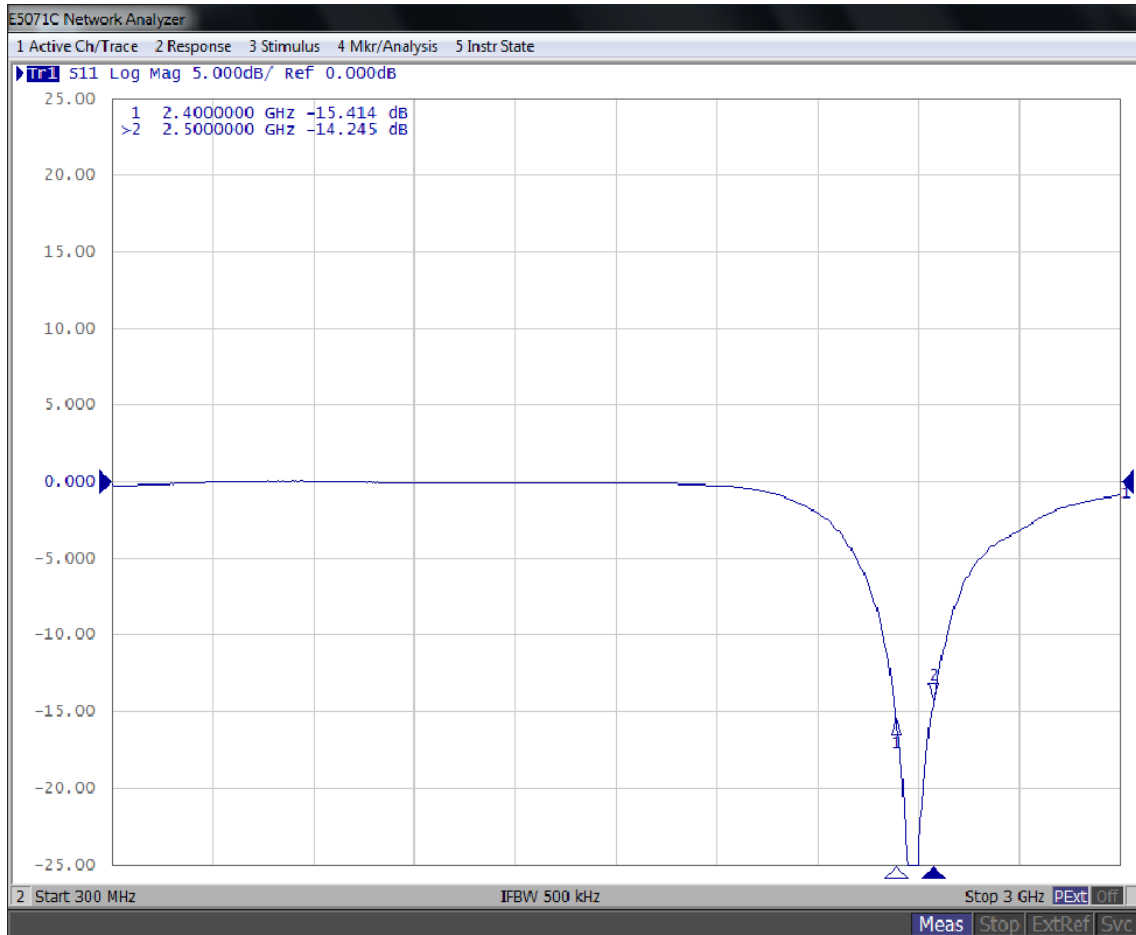


三、天线测试参数

Antenna



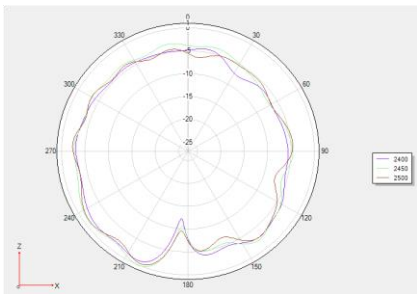
S-Parameter Test



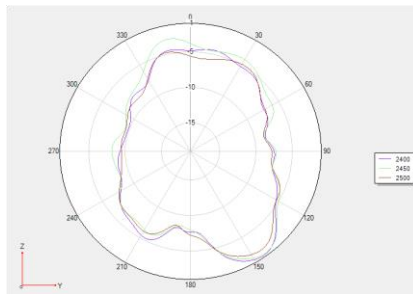
Passive Test			
Frequency/Mhz	Efficiency/dB	Efficiency/%	MaxGain/dBi
2400	-5.75	26.61	-0.42
2410	-5.69	26.98	-0.53
2420	-5.67	27.1	-0.41
2430	-5.56	27.8	-0.33
2440	-5.53	27.96	-0.15
2450	-5.48	28.31	0.13
2460	-5.42	28.66	0.34
2470	-5.3	29.51	0.61
2480	-5.2	30.2	0.63
2490	-5.23	29.99	0.69
2500	-5.4	28.84	-0.36

2D-Etotal (2400/2450/2500Mhz)

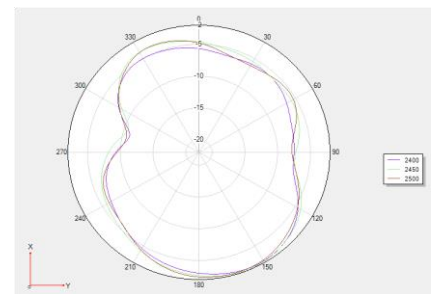
Phi 0 2D



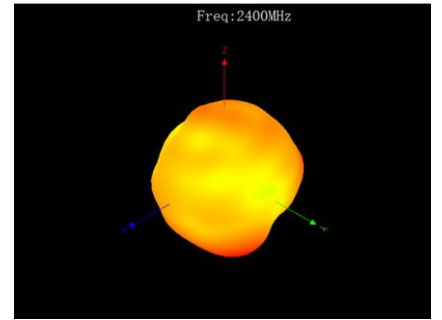
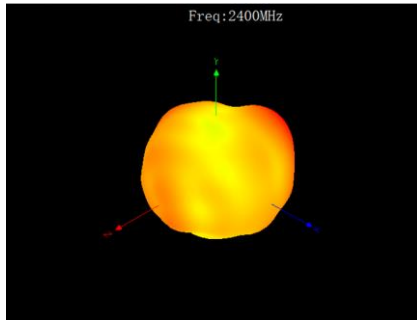
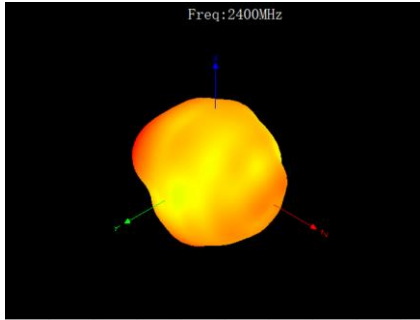
Phi 90 2D



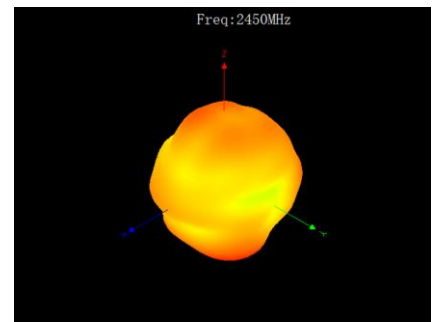
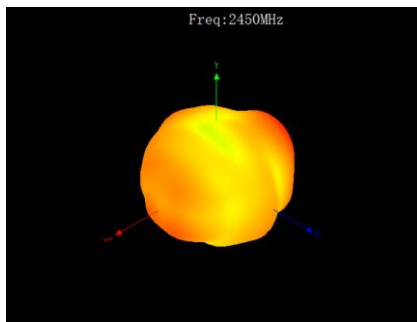
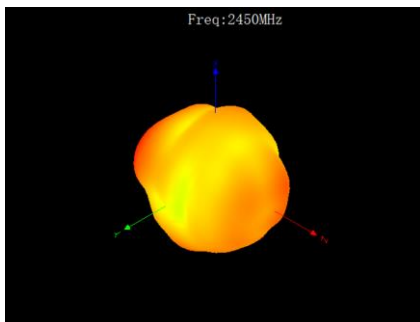
Theta 90 2D



3D-Etotal (2400Mhz)



3D-Etotal (2450Mhz)



3D-Etotal (2500Mhz)

