



深圳市安特通讯科技有限公司

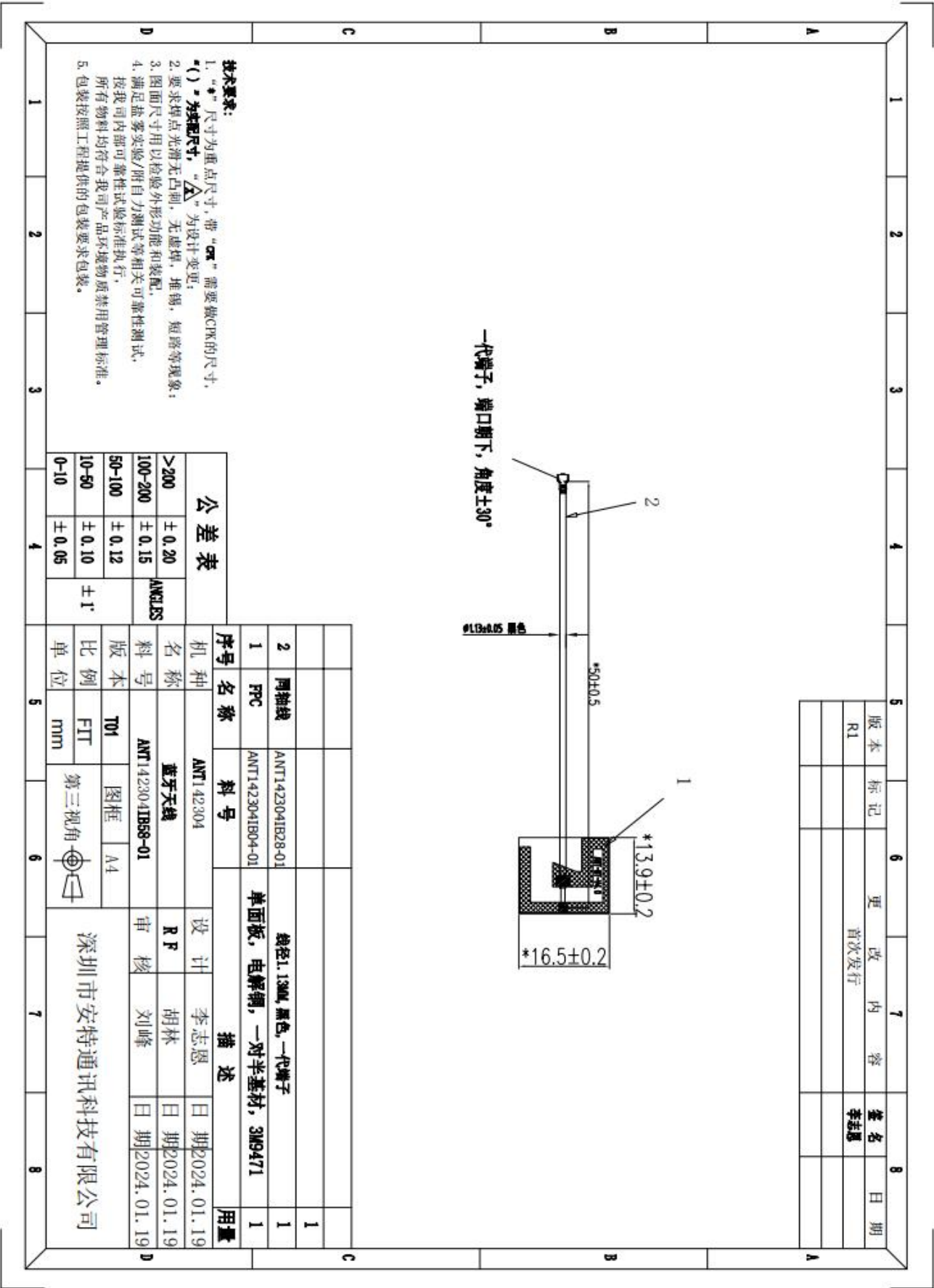
Shenzhen ANT Communication Technology Co., LTD.

产 品 规 格 书

客户	华创恒达	项目	MKGW4
客户料号		安特料号	ANT142304IB58-01
版本	V1.0	描述	蓝牙天线
射频经理	胡林	结构设计	李志恩
技术总监	刘峰	日期	2024.1.19

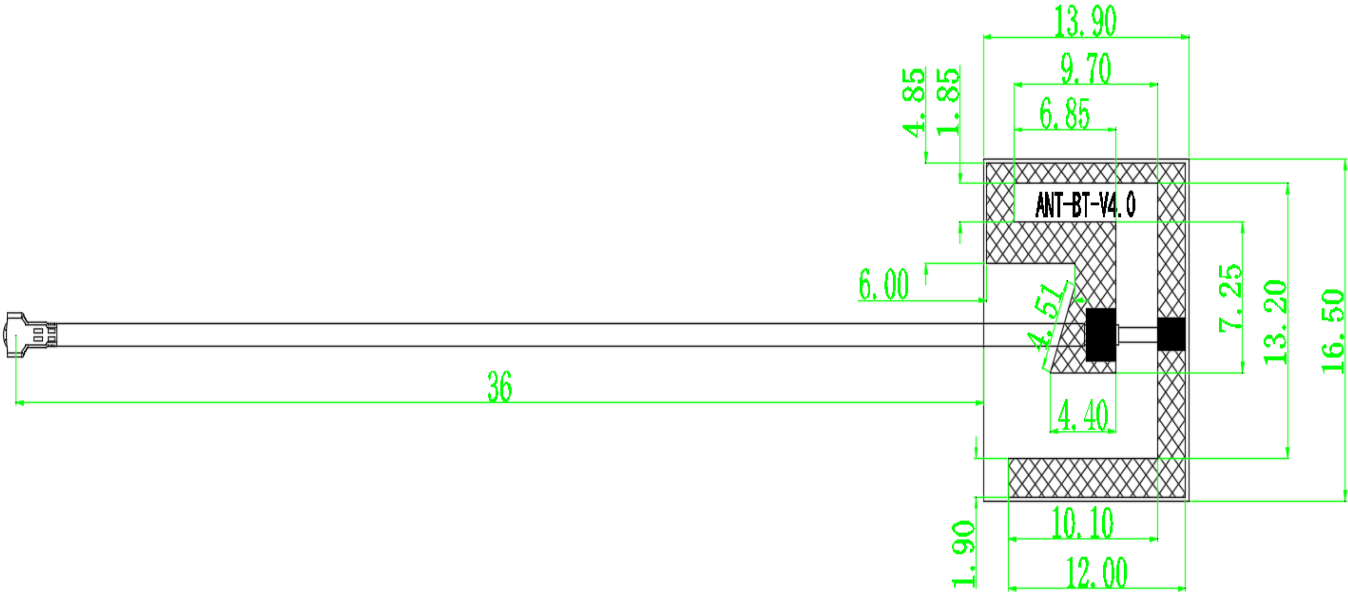
客户确认	
装配是否符合贵司要求： ☐ OK ☐ NG	

一、结构图档



二、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	1.86dBi
效率	>25%
极化方式	垂直
辐射方向	全向
机械参数	
天线尺寸	13.9*16.5MM
同轴线类型	/
接头类型	/
拉拔力	/
盐雾试验	48H 以上
环境参数	
工作温度	-45℃--+85℃



三、测试设备

1. 网络分析仪

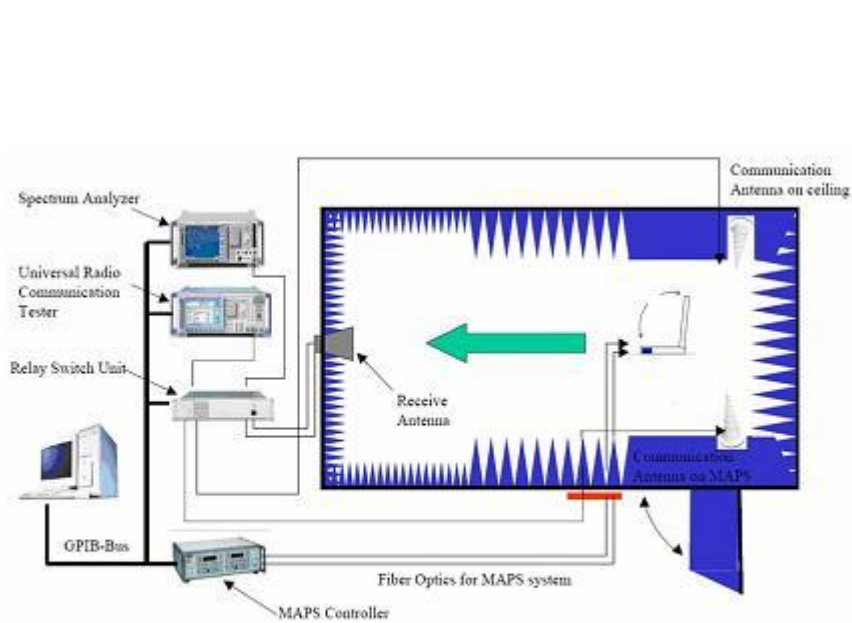
Agilent E5071C

2. 综合测试仪

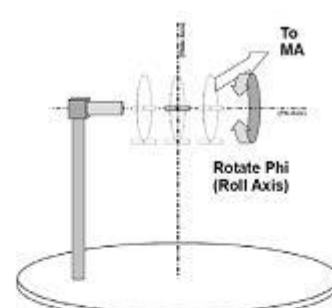
CMW500 Agilent 8960

3. 3D 暗室测试系统

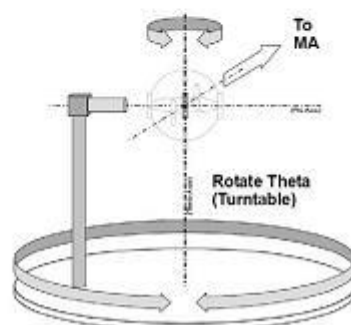
SATIMO-16 XH-24



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

四、天线测试参数

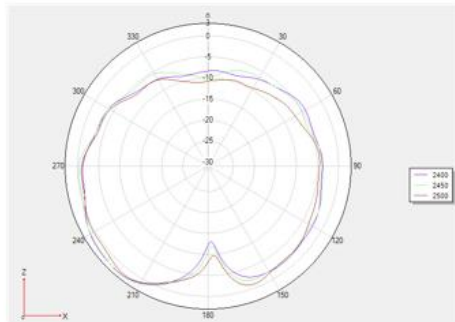
S11 参数



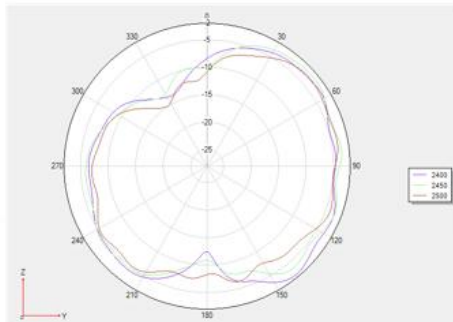
Passive Test			
Frequency /Mhz	Efficiency/ dB	Efficiency/ %	MaxGain/ dBi
2400	-3.88	40.9	1.74
2410	-3.8	41.7	1.5
2420	-3.86	41.1	1.41
2430	-3.69	42.8	1.41
2440	-3.61	43.6	1.79
2450	-3.6	43.7	1.86
2460	-3.56	44.1	1.8
2470	-3.52	44.5	1.73
2480	-3.56	44.1	1.86
2490	-3.5	44.7	1.72
2500	-3.46	45.1	1.69

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

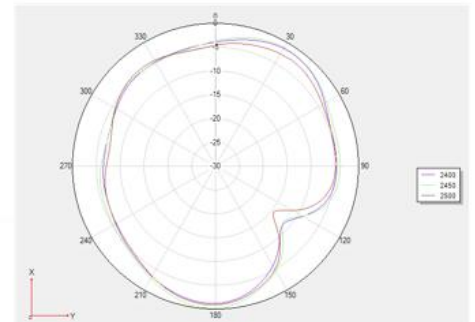
Phi 0 2D



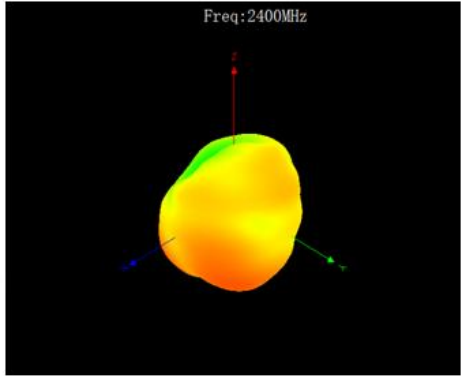
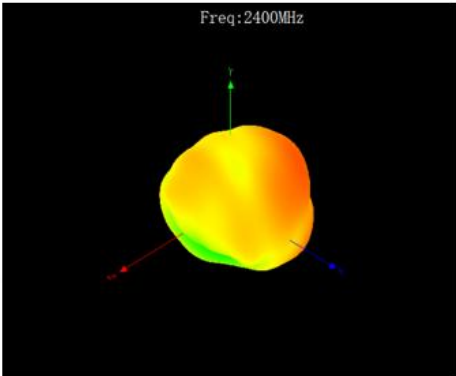
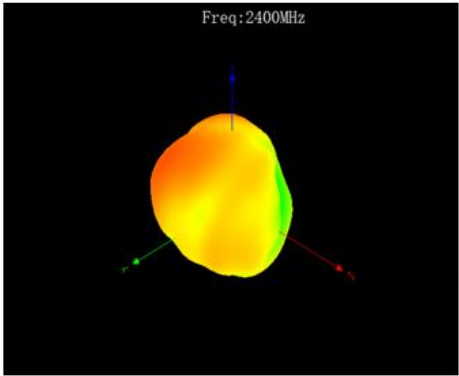
Phi 90 2D



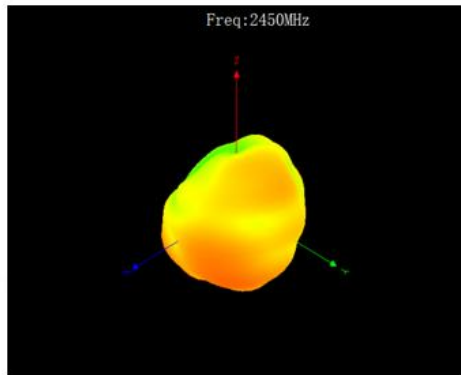
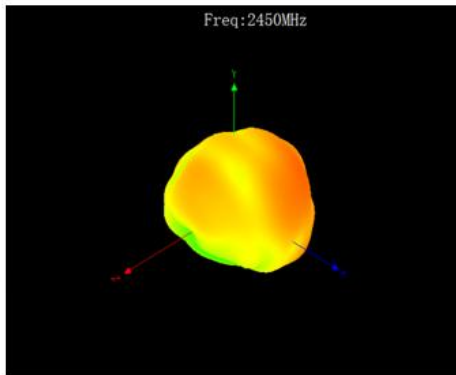
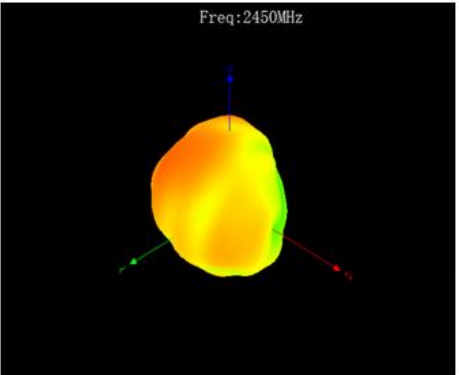
Theta 90 2D



3D-Etotal (2400Mhz)



3D-Etotal (2450Mhz)



3D-Etotal (2500Mhz)

