

东莞市创芯微电子科技有限公司  
Dongguan Chuangxin Microelectronics  
Technology Co., Ltd

# 承认书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 世威

产品名称

PRODUCT NAME: 2.4G Onboard antenna

客户料号

CUSTOMER P/N: R1292A-FM

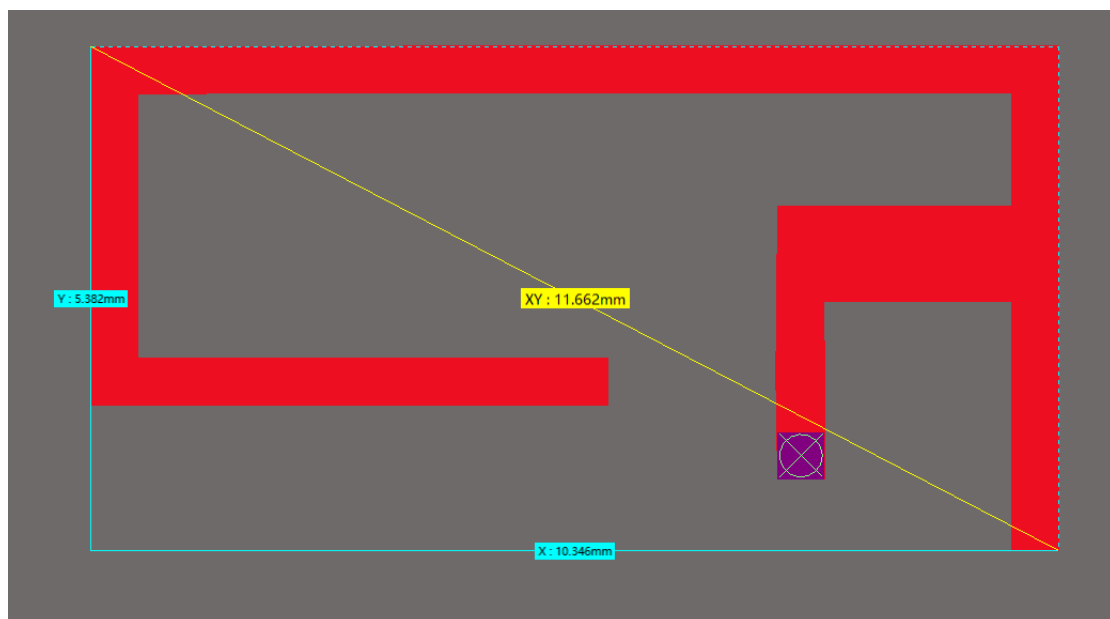
## 1.规格表 Specification Table

### 产品主要技术参数

#### Main technical specifications of the product

频率范围 (Mhz) Frequency Range	2400-2500
特性阻抗 ( $\Omega$ ) Characteristic Impedance	50
增益 (dBi) Gain	1.9
输出电压驻波比 Output voltage standing wave ratio (VSWR)	$\leq 2.6$
极化方式 Polarization mode	线极化 Linear

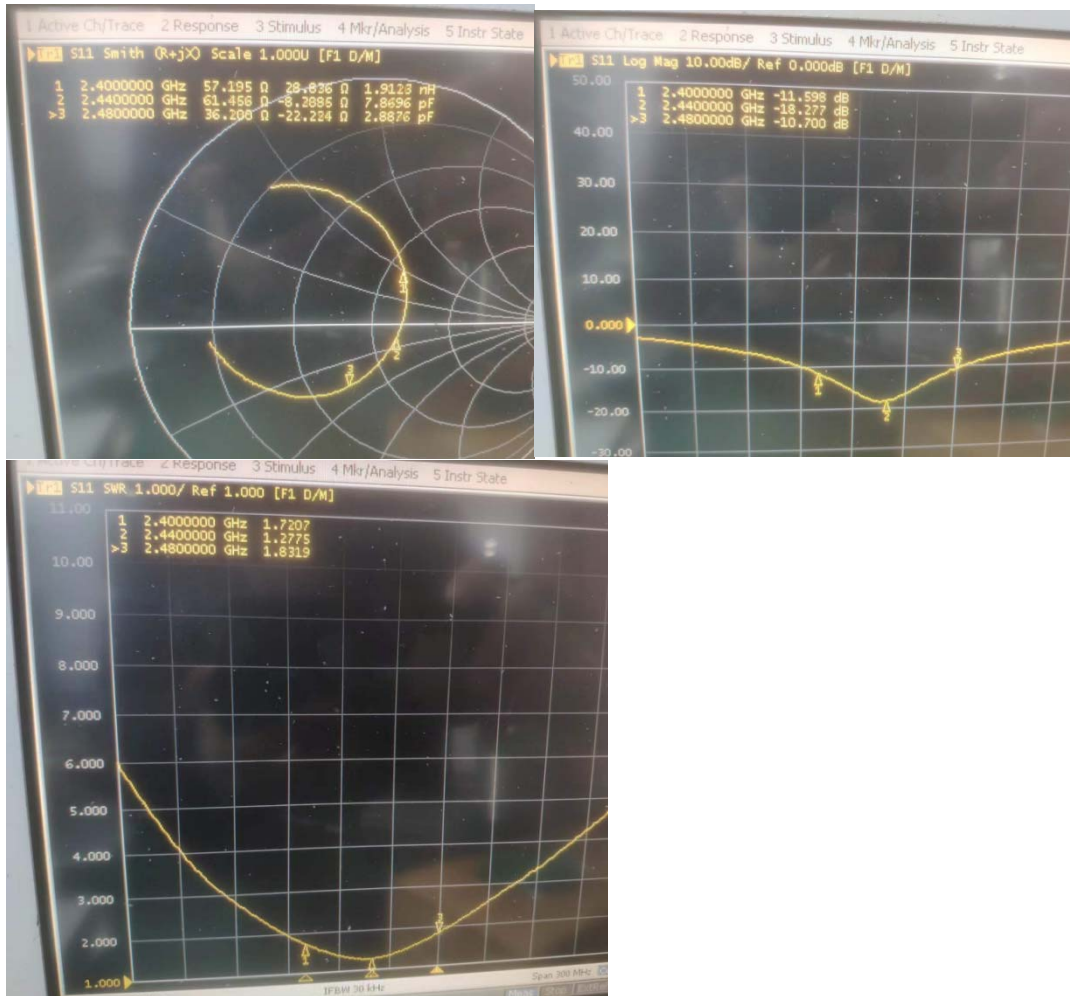
## 2.尺寸图 size



尺寸: 5.382mm\*10.346mm

### 3.测试报告 test report (Only for prototype testing report)

#### 3.1: 网络分析仪测试报告 Network analyzer report



#### 3.2: 暗室 2D、3D 整机数据 Dark room 2D and 3D machine data

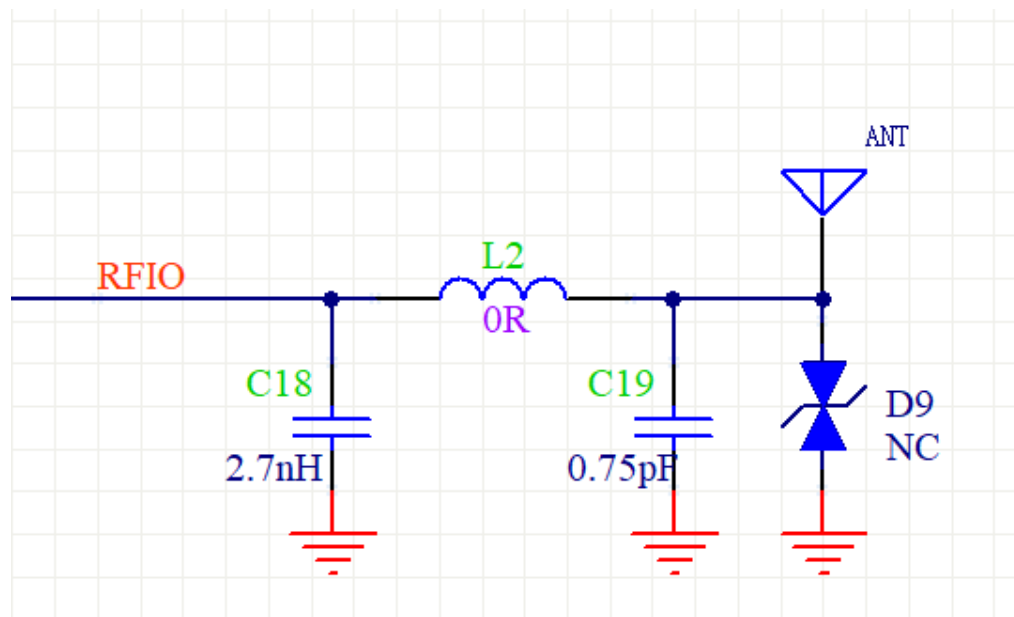
##### 3.2.1 效率及增益 Efficiency and gain

Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-1.29	-0.01	0.54
Peak Gain (dBi)	1.2	1.6	1.9
Efficiency (%)	39.72	46.4	53.26

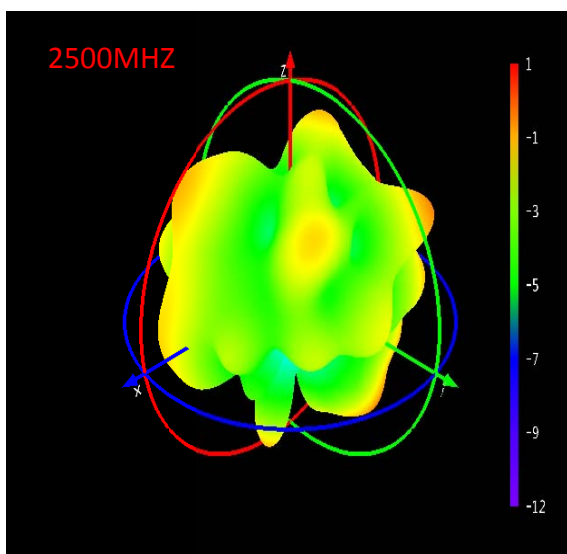
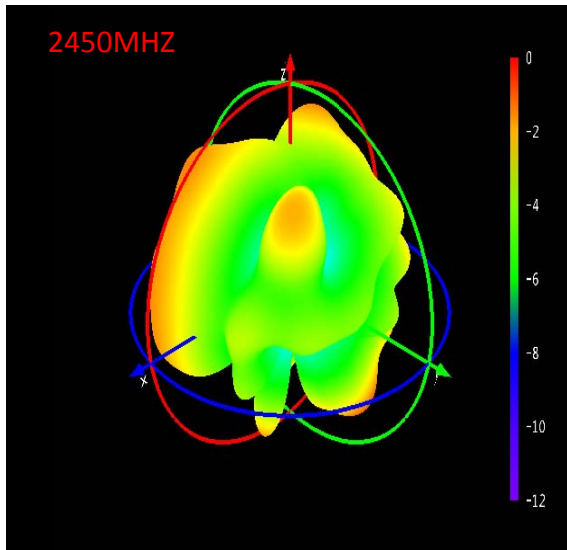
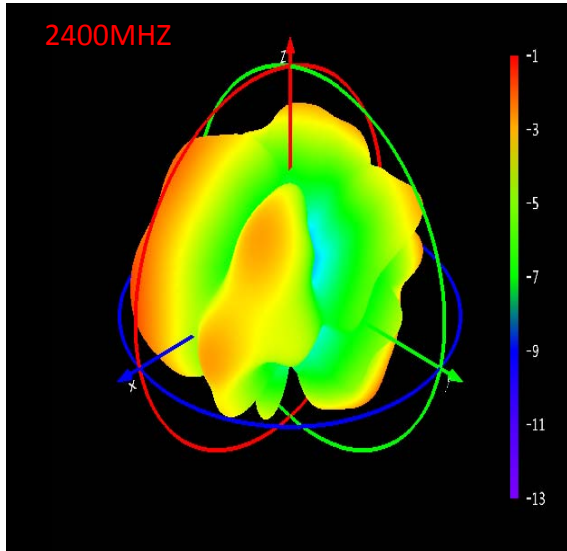
### 3.2.2 有源测试报告 Active test report

耳机 headset				
	头模 headform		自由 free	
channel	TRP	TIS	TRP	TIS
0	4.24	-87.19	5.02	-87.94
39	6.32	-90.89	7.02	-92
78	6.88	-90.76	7.65	-91.45

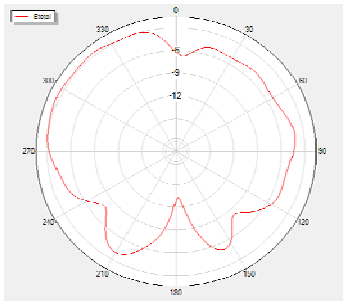
### 3.2.3 匹配电路 Matching circuit



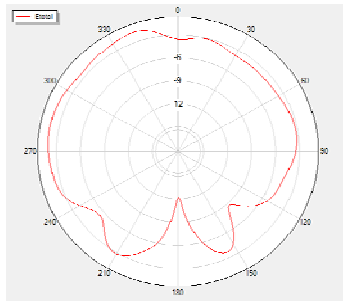
### 3.2.4 2D/3D 场型图 Field pattern diagram



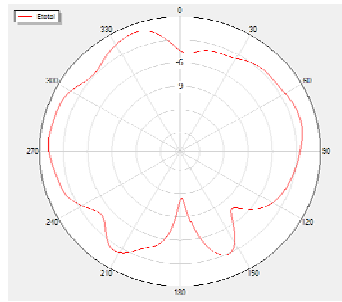
**Phi=0 Freq=2400MHz**



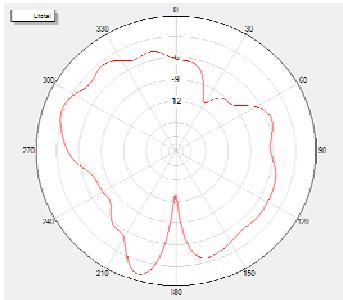
**Phi=0 Freq=2450MHz**



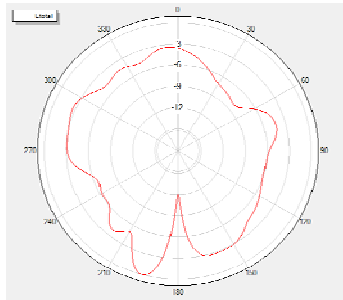
**Phi=0 Freq=2500MHz**



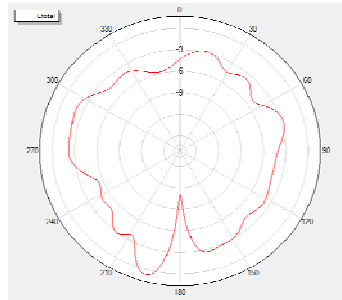
**Phi=90 Freq=2400MHz**



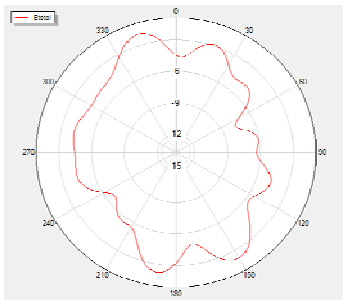
**Phi=90 Freq=2450MHz**



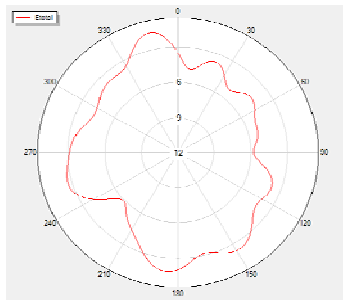
**Phi=90 Freq=2500MHz**



**Theta=90 Freq=2400MHz**



**Theta=90 Freq=2450MHz**



**Theta=90 Freq=2500MHz**

