

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: R1319A

	供应商 supplier	客户 customer
制作 CHECKED BY:	张鸿达	
审核 APPROVED BY:	彭军法	
日期 DATE:	2024/4/23	

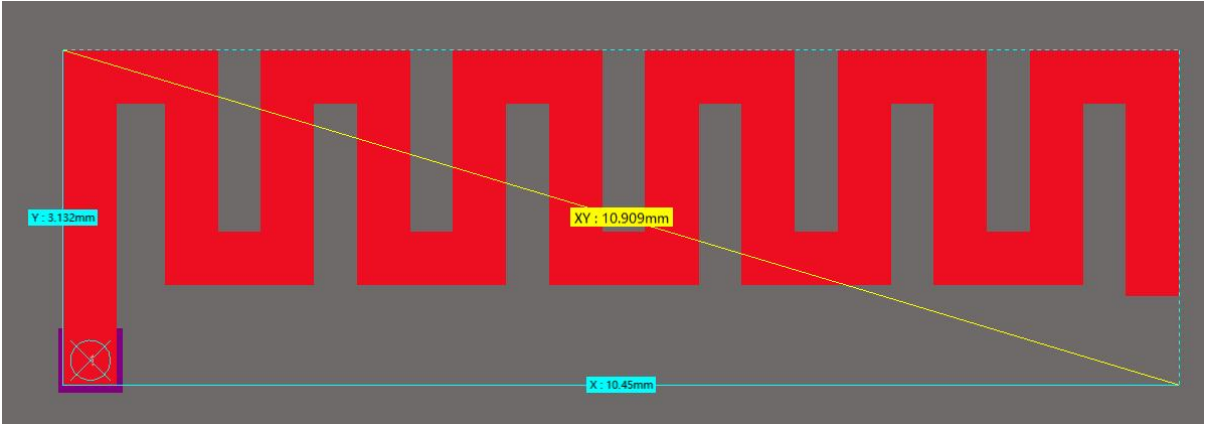
1.规格表 Specification Table

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（Ω） Characteristic Impedance	50
增益（dBi） Avg Gain	-1.41
输出电压驻波比 Output voltage standing wave ratio (VSWR)	≤3.8
极化方式 Polarization mode	线极化 Linear

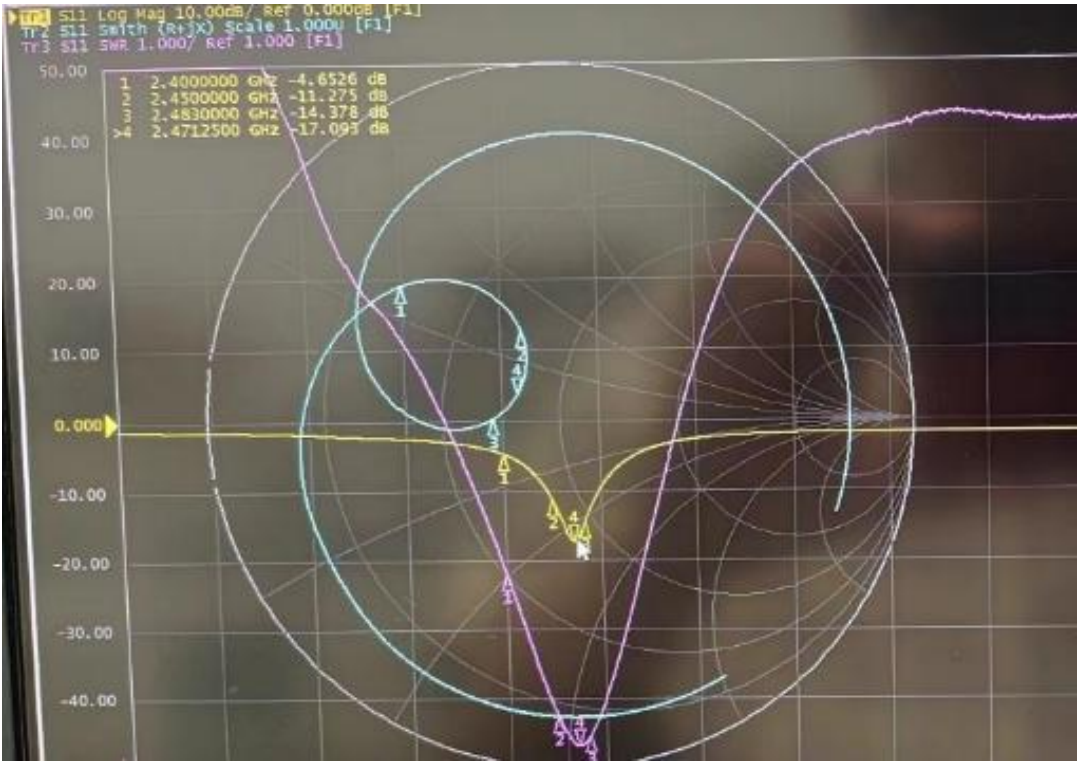
2.尺寸图 size



尺寸：3.132mm*10.45mm

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

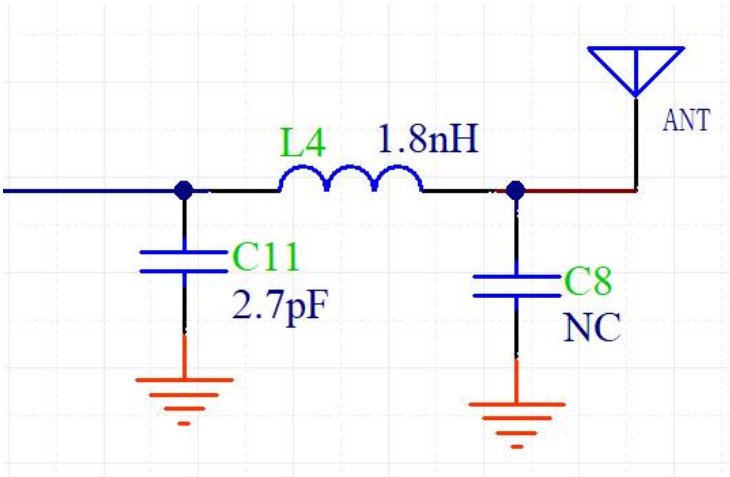
3.2.1 效率及增益 Efficiency and gain

Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-1.32	-1.03	-1.9
Peak Gain (dBi)	0.8	1.0	0.1
Efficiency (%)	37.72	40.4	28

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	2.13	-89.12	3.86	-91.24
39	3.68	-89.92	4.23	-91.47
78	0.98	-86.18	1.06	-86.80

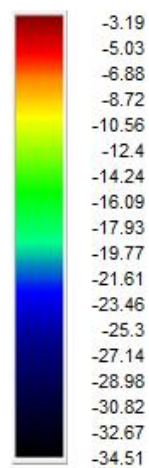
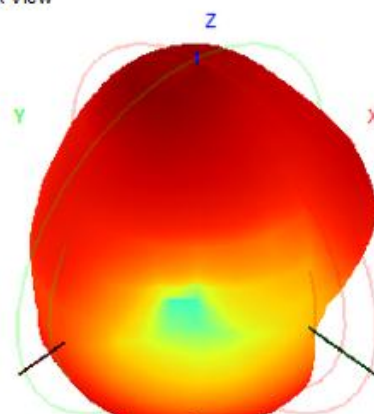
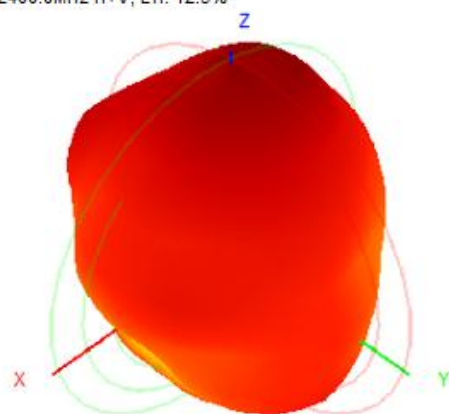
3.2.3 匹配电路 Matching circuit



3.2.4 2D/3D 场型图 Field pattern diagram

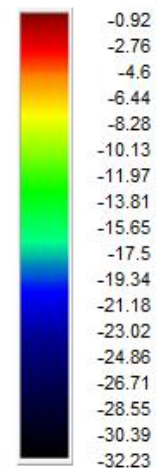
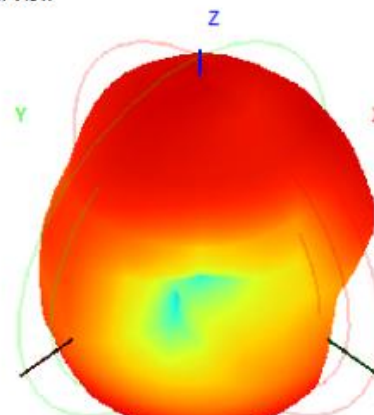
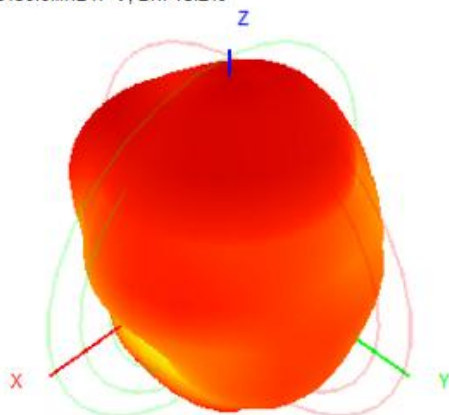
2400.0MHz H+V, Eff: 12.5%

Back View



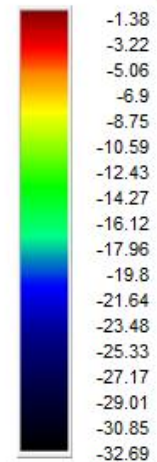
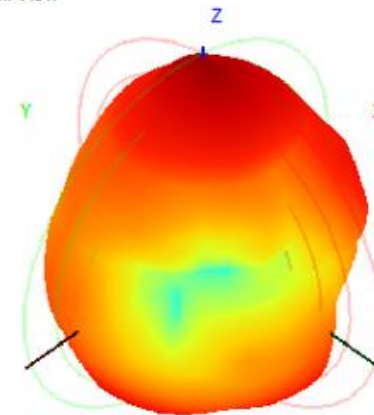
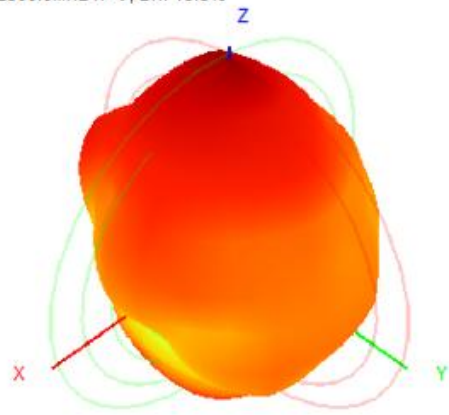
2450.0MHz H+V, Eff: 18.2%

Back View

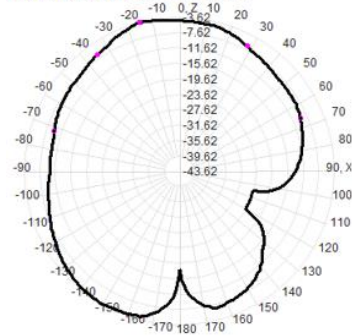


2500.0MHz H+V, Eff: 13.8%

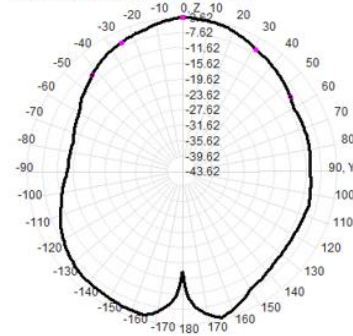
Back View



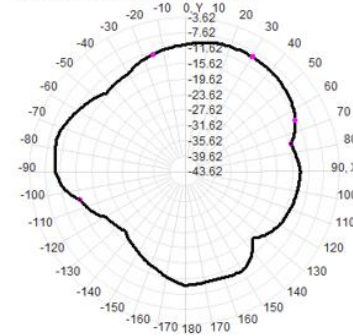
2400.0MHz Total(E1-XZ), Max=-3.65dBi



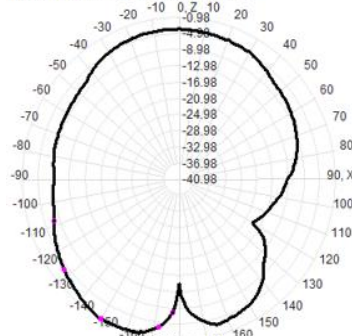
2400.0MHz Total(E2-YZ), Max=-3.62dBi



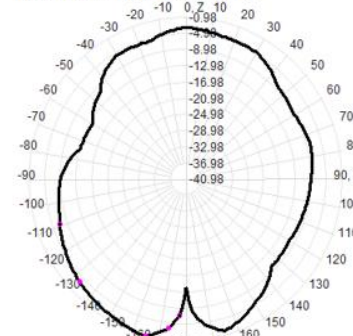
Total(H-XY), Max=-9.10dBi, CirD=12.81



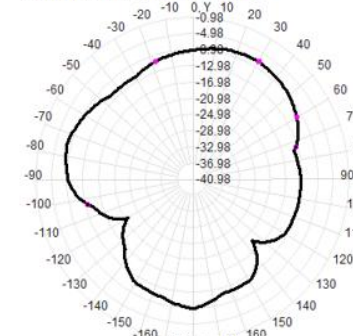
2450.0MHz Total(E1-XZ), Max=-1.22dBi



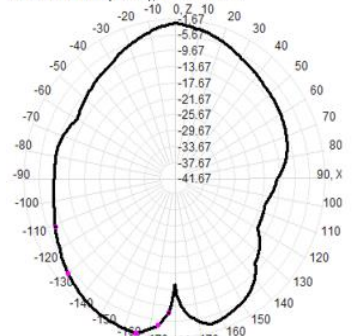
2450.0MHz Total(E2-YZ), Max=-0.98dBi



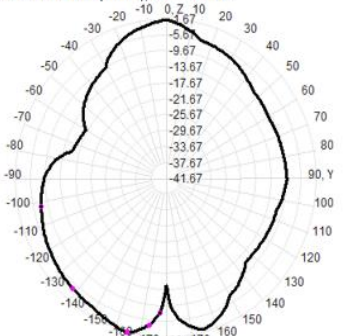
Total(H-XY), Max=-7.40dBi, CirD=14.65



2500.0MHz Total(E1-XZ), Max=-1.67dBi



2500.0MHz Total(E2-YZ), Max=-1.76dBi



Total(H-XY), Max=-8.62dBi, CirD=13.98

