

# 规 格 书

客户名称: \_\_\_\_\_

客户料号: \_\_\_\_\_

科信料号: \_\_\_\_\_

规格描述: 2.4G小尺寸软内置1.13线L=100MM(1代端子)4008

制作日期: 2023年08月15日

出厂确认:

部 门	审 核	批 准
射频部	刘景雄	李斌
结构部	谢东展	李斌
品质部	王飞	李斌

客户确认:

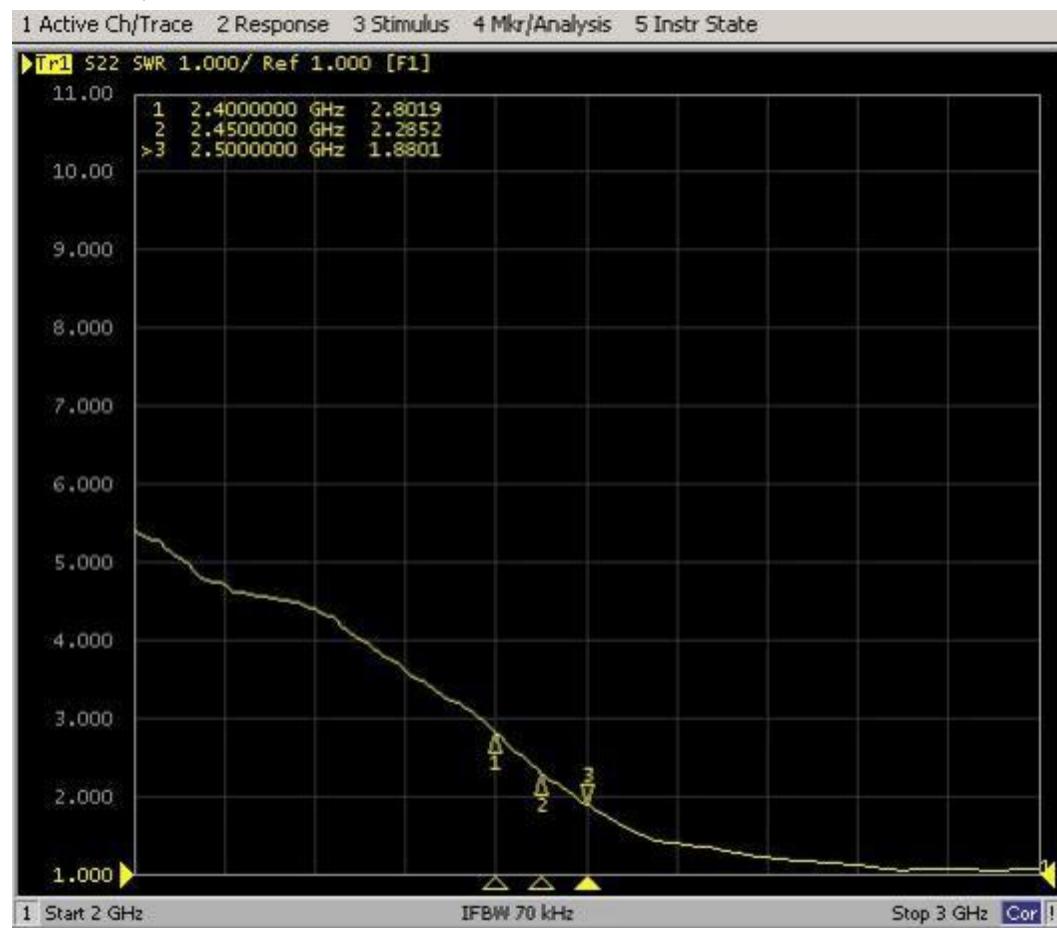
检 查	审 核	批 准

## 1. 产品图片:



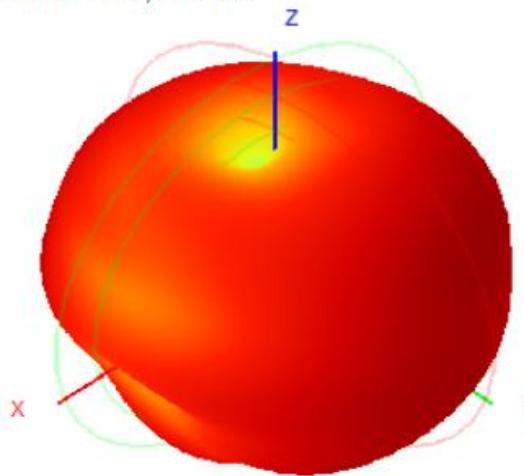
## 2. 电气性能测试报告:

### VSWR:

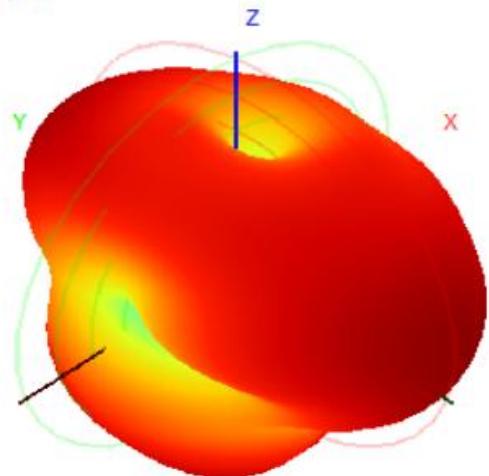


Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.87	-2.85	-2.99	-3.11	-3.19	-3.28	-3.33	-3.20	-2.91	-2.62	-2.21
Gain (dBi)	1.53	1.51	1.42	1.43	1.54	1.52	1.41	1.38	1.53	1.67	1.86
Efficiency (%)	51.68	51.91	50.26	48.85	47.97	46.96	46.42	47.90	51.12	54.65	60.06
Directivity (dB)	4.39	4.36	4.41	4.54	4.73	4.80	4.74	4.58	4.45	4.29	4.08
Peak Gain Position (Theta)	153.00	152.00	152.00	152.00	152.00	152.00	151.00	150.00	149.00	149.00	148.00
Peak Gain Position (Phi)	252.00	253.00	253.00	252.00	251.00	251.00	251.00	250.00	249.00	249.00	248.00
Efficiency ThetaPol (%)	19.76	19.48	18.54	17.75	17.16	16.45	15.88	16.10	17.12	18.38	20.31
Efficiency PhiPol (%)	31.92	32.43	31.71	31.09	30.82	30.51	30.54	31.80	34.00	36.27	39.75
Upper Hem. Efficiency (%)	25.95	26.01	25.11	24.35	23.71	22.82	22.14	22.58	24.02	25.92	28.88
Lower Hem. Efficiency (%)	25.73	25.90	25.14	24.49	24.26	24.14	24.28	25.31	27.09	28.73	31.18

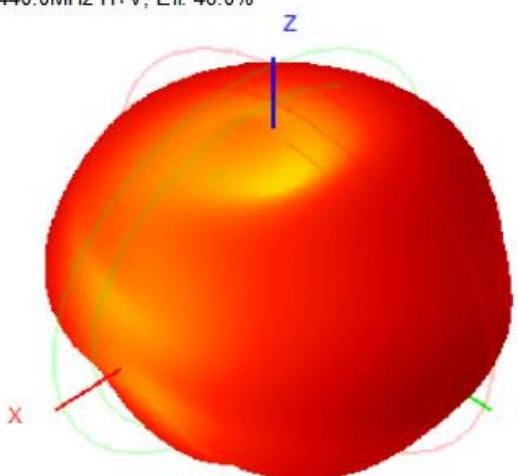
2400.0MHz H+V, Eff. 51.7%



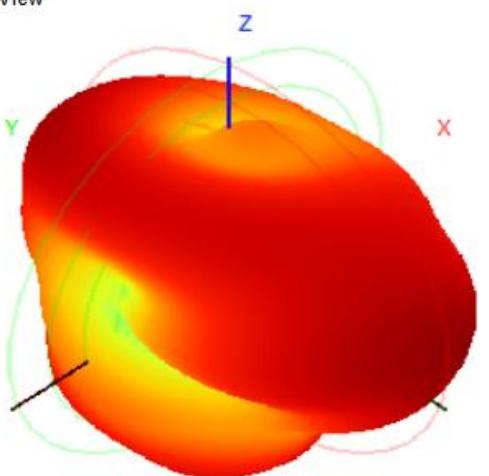
Back View



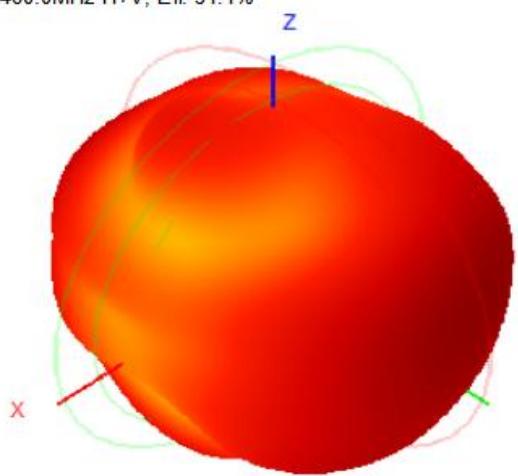
2440.0MHz H+V, Eff. 48.0%



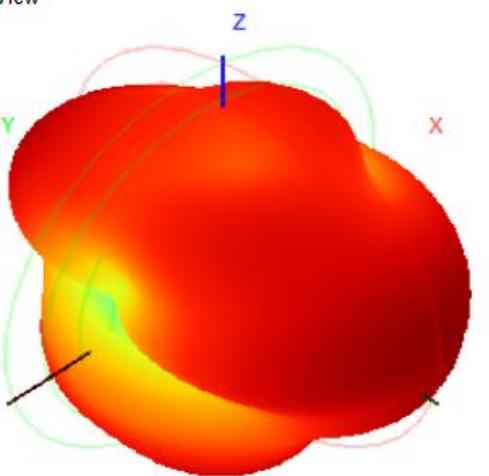
Back View

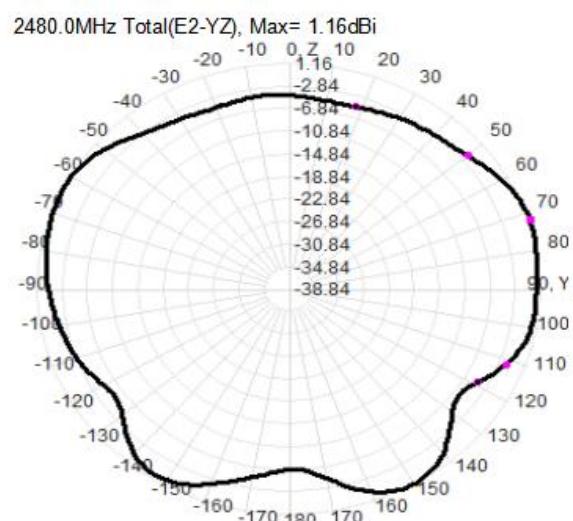
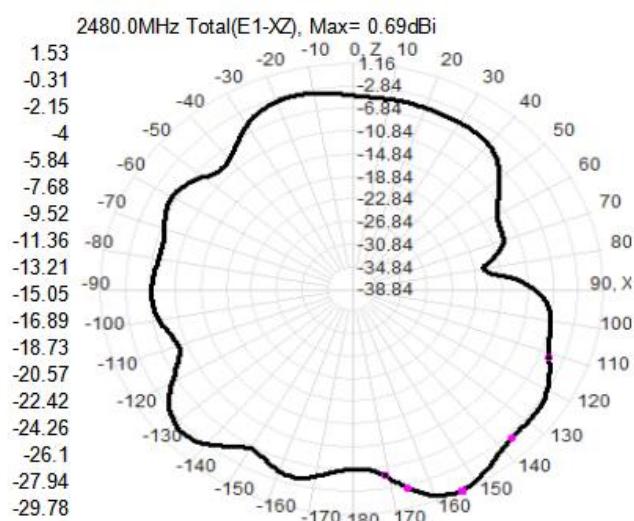
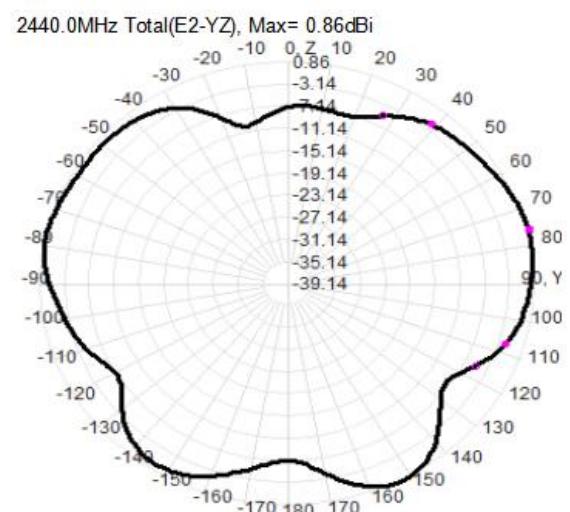
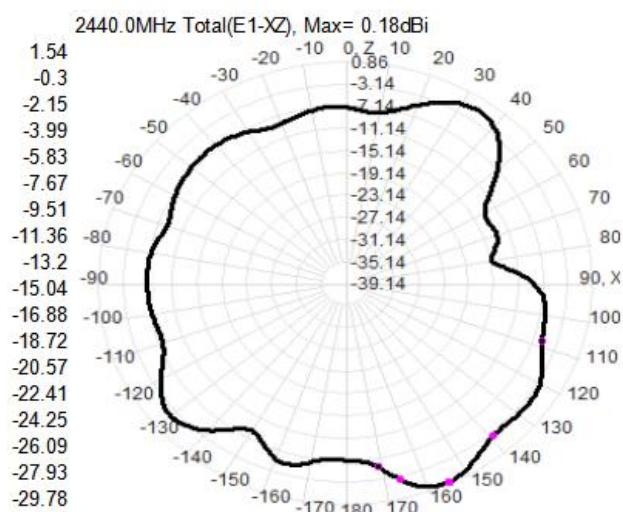
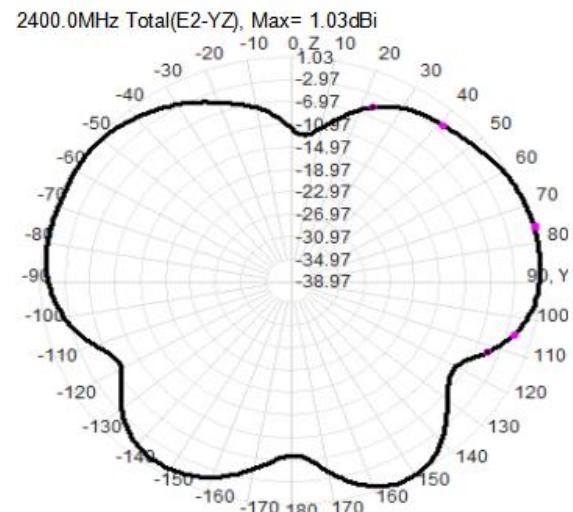
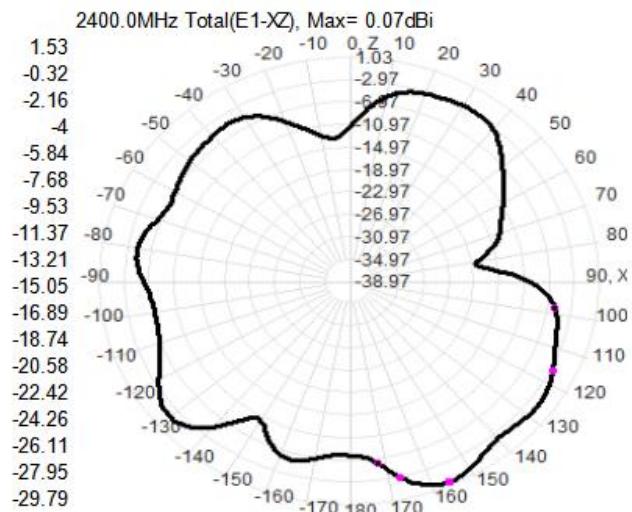


2480.0MHz H+V, Eff. 51.1%



Back View





3.  
4.



### 3. 产品性能参数:

电性能指标Electrical Specifications	
频率范围Frequency Range (MHz)	2400-2500
输入阻抗Input Impedance ( $\Omega$ )	50
电压驻波比V.S.W.R	$\leq 3.0$ (未匹配设备, 仅供参考)
增益Gain (dBi)	$3.0 \pm 0.5$ (未匹配设备, 仅供参考)
极化形式Polarization Type	垂直Vertical
最大功率Maximum power(W)	10W
垂直面波瓣角度Vertical lobe Angle (E)	45~60°
水平面波瓣角度Water plane lobe Angle (H)	360°
机械指标Mechanical Specifications	
天线材质Material	FPC
连接器型号Connect Type	IPEX(1代)
天线尺寸Size	8*40MM
工作温度Operating Temp	-20 ~ +65 °C
储存温度Storage Temp	-30 ~ +75°C

#### 4. 平面图：

