

Gage book

Specification description: 2.4G new soft built-
in 1.13 wire L=120MM(1st generation terminal)

Date: 2023年10月10日

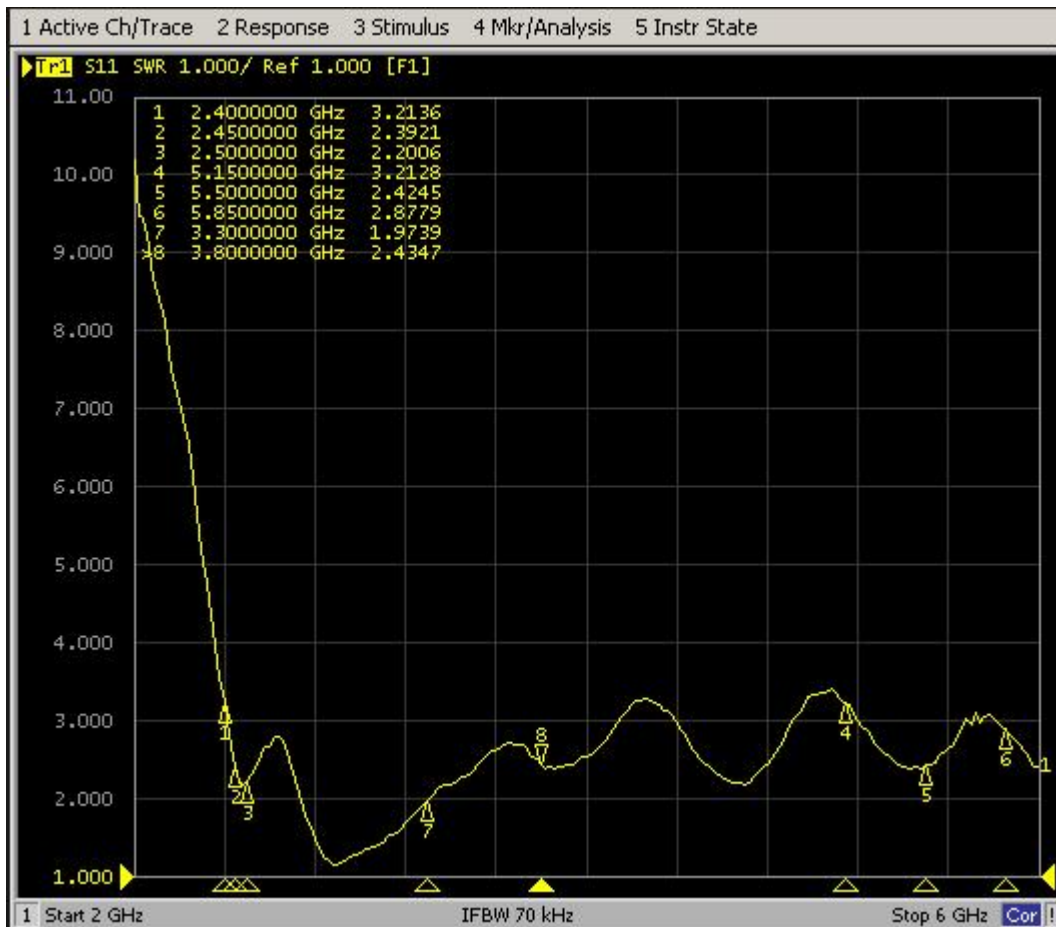
Factory confirmation:

Department	check	approve
Radio frequency department	刘景雄Liu Jingxiong	李斌Li Bin
Structural engineering department	谢东展Xie Dongzhan	李斌Li Bin
quality department	王飞Wang Fei	李斌Li Bin

1、 product picture



2. VSWR

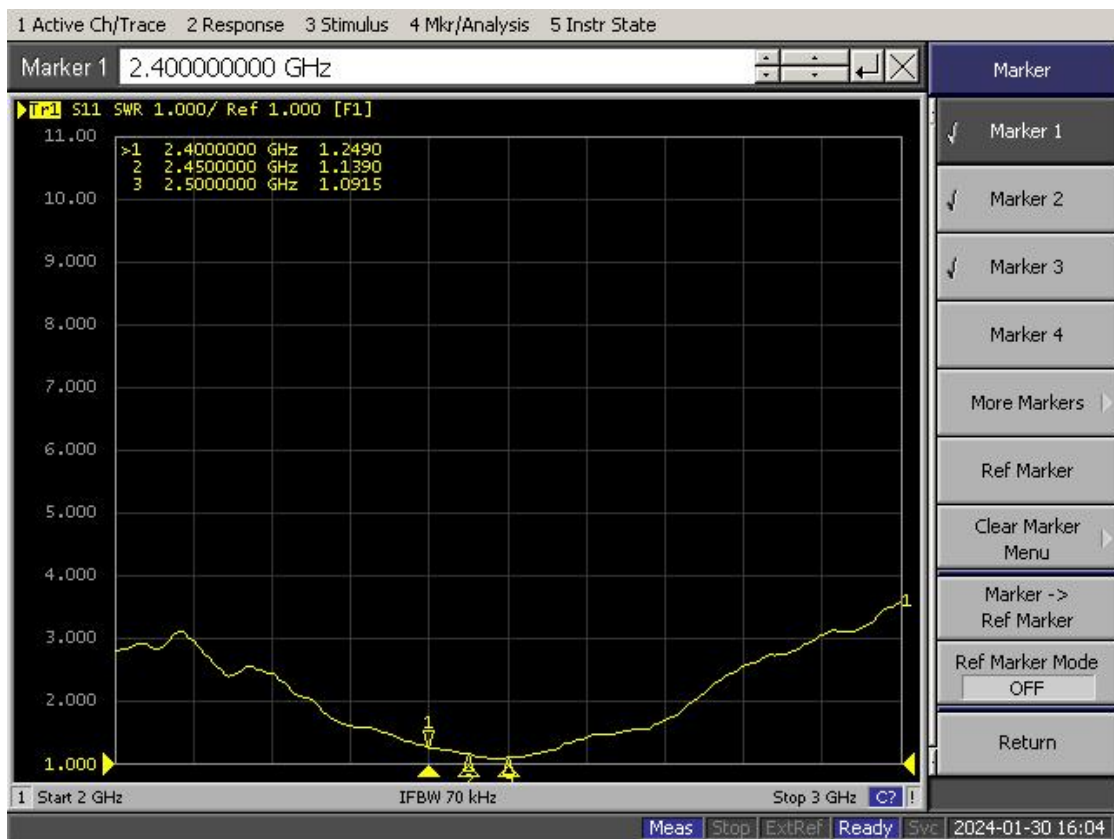


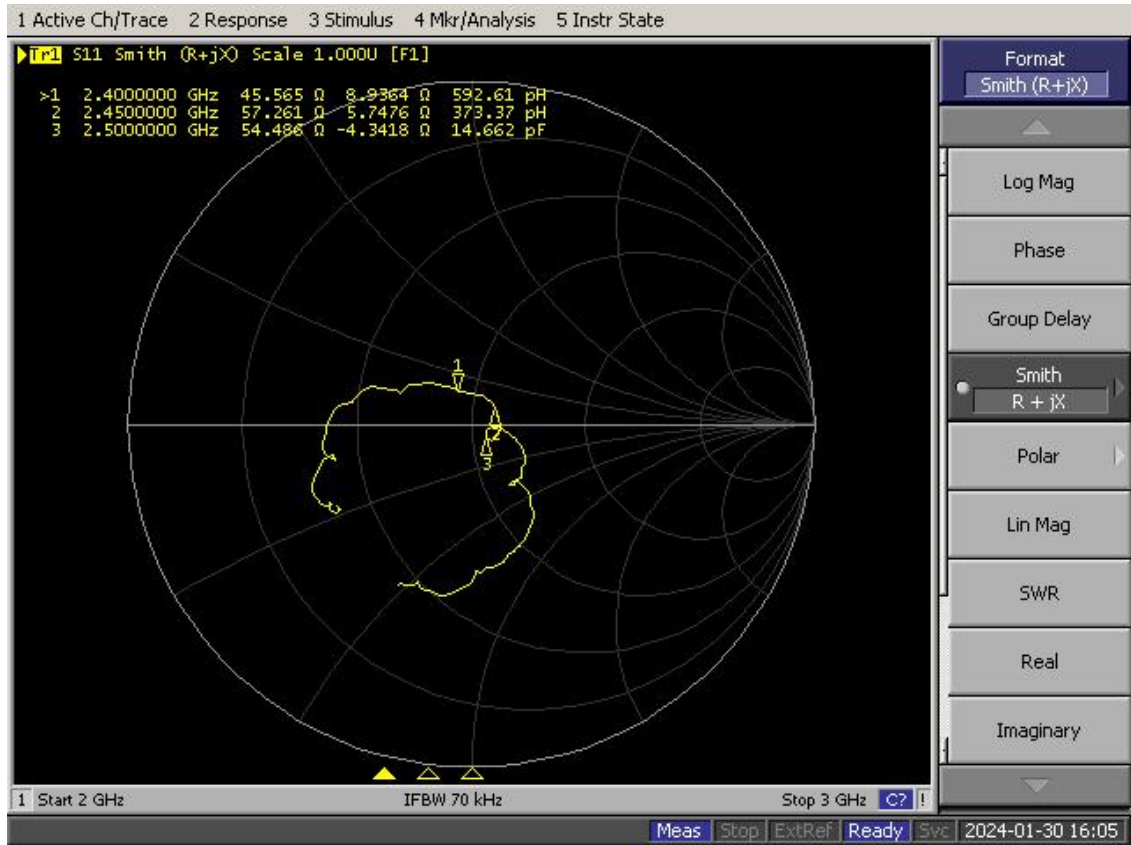
3· Product performance parameter:

电性能指标Electrical Specifications	
频率范围Frequency Range (MHz)	2400-2500
输入阻抗Input Impedence (Ω)	50
电压驻波比V.S.W.R	≤ 3.0 (未匹配设备, 仅供参考)
增益Gain (dBi)	1.93 (Max)
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	45*10MM
工作温度Operating Temp	-20 ~ +65 °C
储存温度Storage Temp	-30 ~ +75°C

3、Electrical test report

3.1



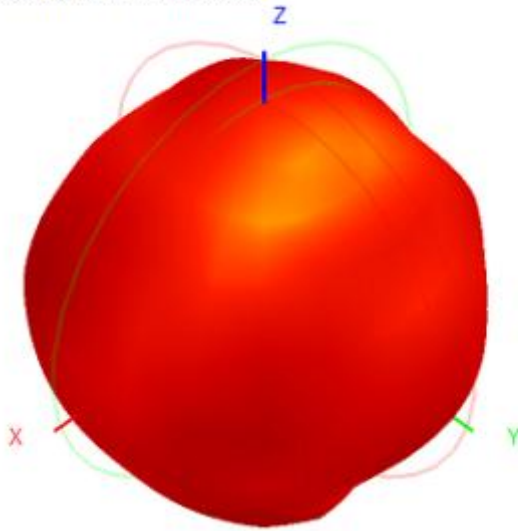


3.2 Efficiency&gain

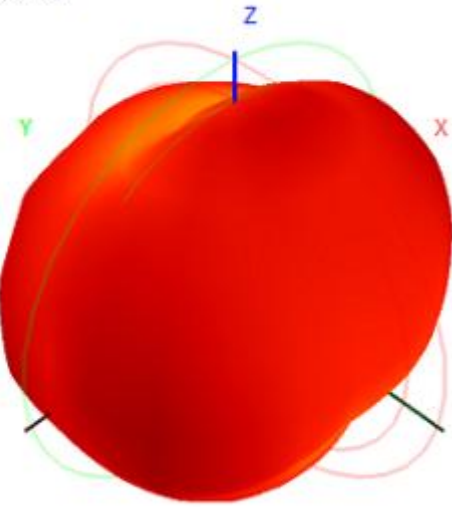
Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	64.43	1.93
2450	63.49	1.88
2500	63.62	1.80

3.3 3D&2D Pattern

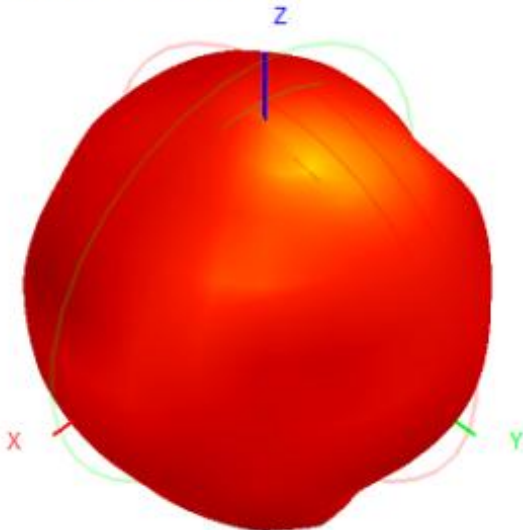
2400.0MHz H+V, Eff: 64.4%



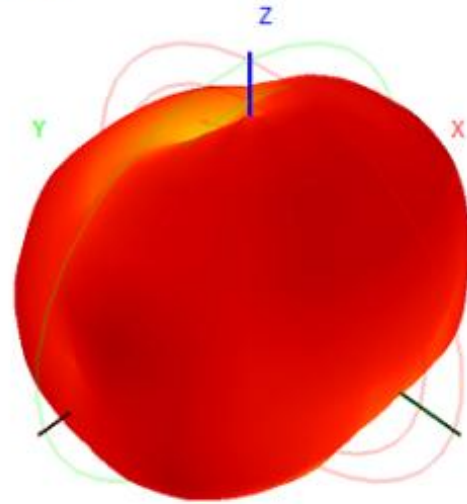
Back View



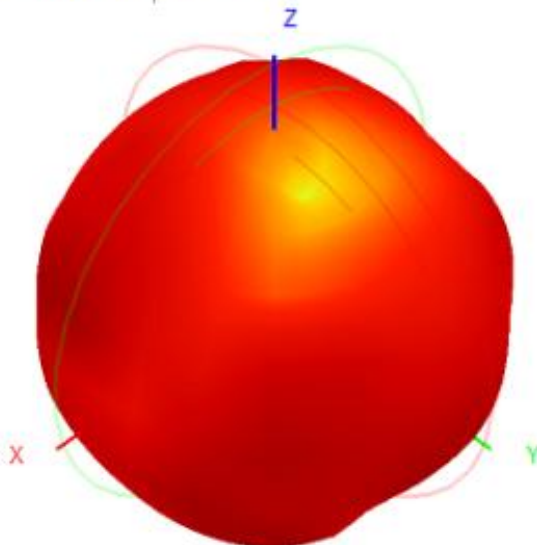
2450.0MHz H+V, Eff: 63.5%



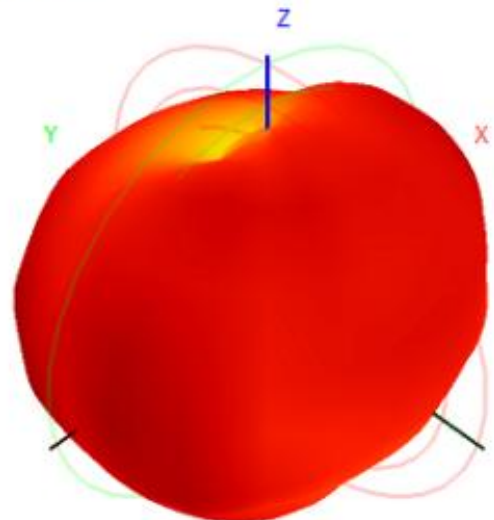
Back View



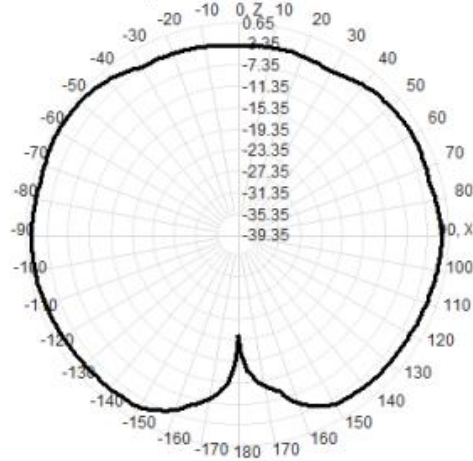
2500.0MHz H+V, Eff: 63.6%



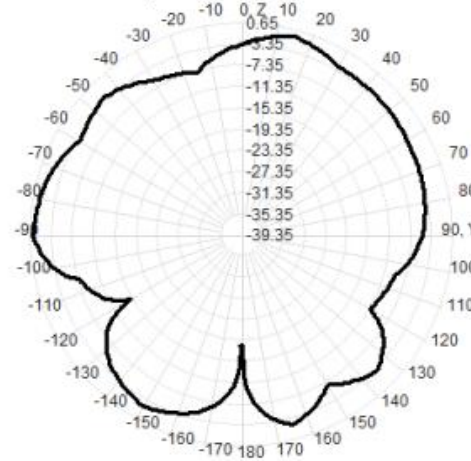
Back View



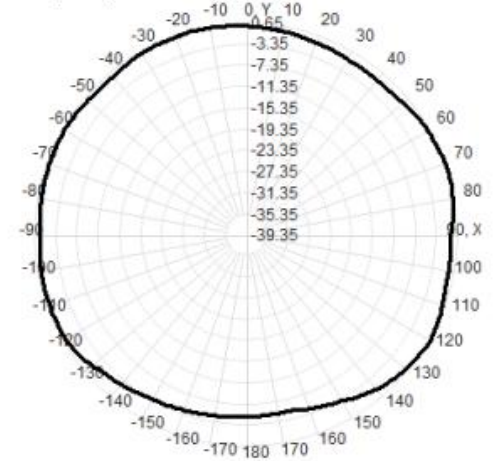
2400.0MHz Total(E1-XZ), Max= -0.19dBi



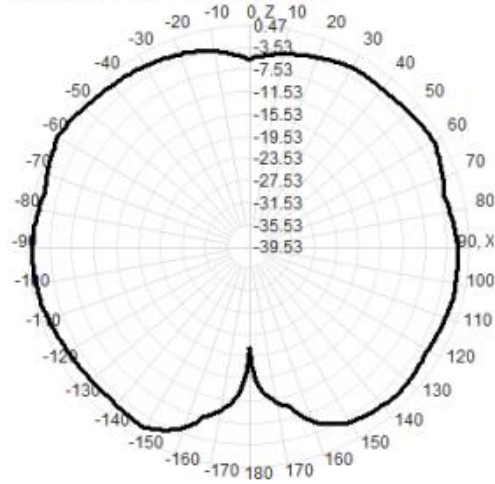
2400.0MHz Total(E2-YZ), Max= -0.01dBi



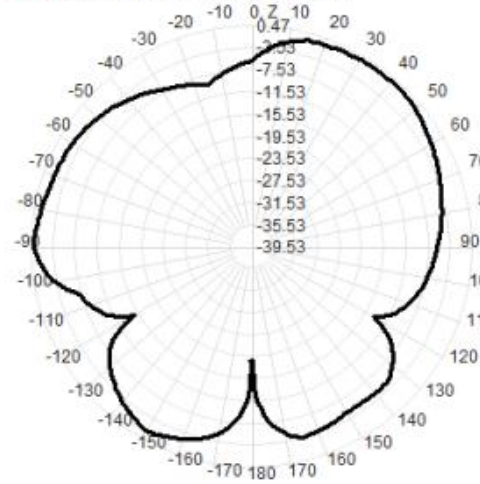
Total(H-XY), Max= 0.65dBi, CirD=5.98



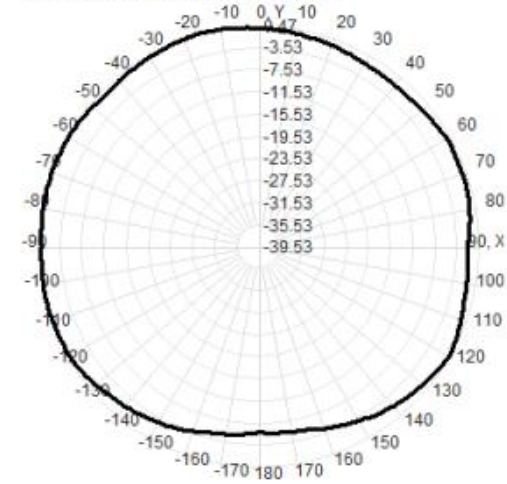
2450.0MHz Total(E1-XZ), Max= 0.32dBi



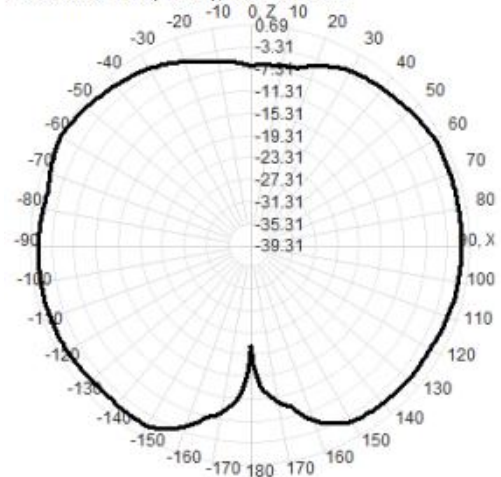
2450.0MHz Total(E2-YZ), Max= -0.01dBi



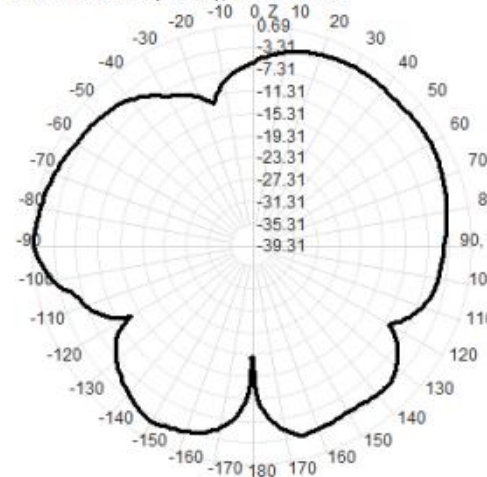
Total(H-XY), Max= 0.47dBi, CirD=6.58



2500.0MHz Total(E1-XZ), Max= 0.37dBi



2500.0MHz Total(E2-YZ), Max= 0.41dBi



Total(H-XY), Max= 0.69dBi, CirD=6.01

