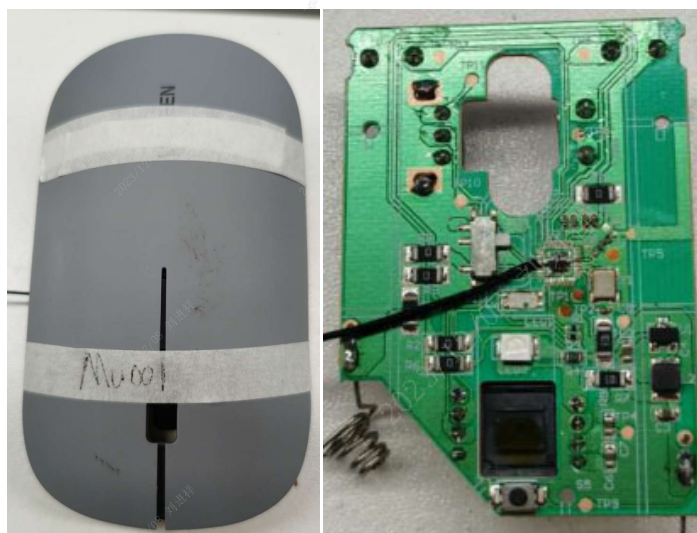


Antenna Specification

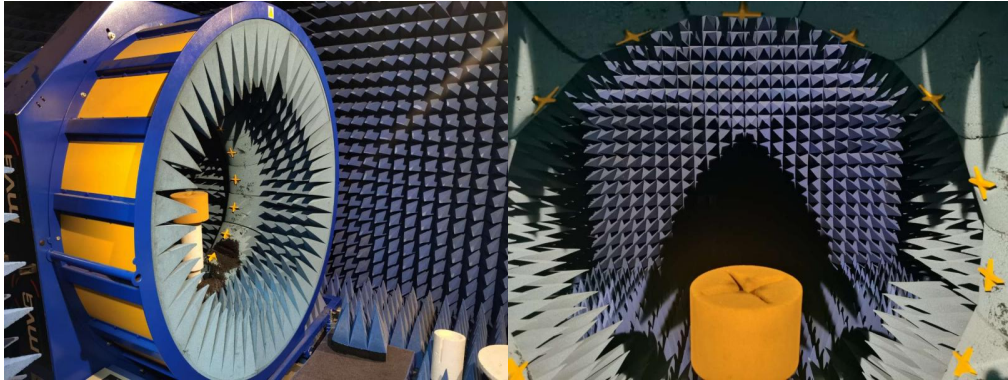
Project name	MU001
ITEM	SPEC.
Model Name	BT2.4G
Polarization	Vertical
Gain	2.4G<0.5
Impedance	50 Ω
Weight	/
Product description	PCB 板载天线
Antenna Length	30*7mm
Manufacturer	
Address	

产品图片 (Product picture)

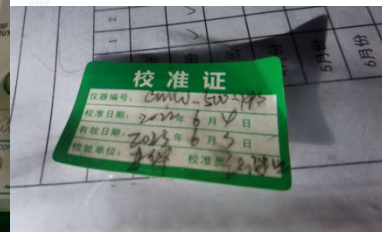
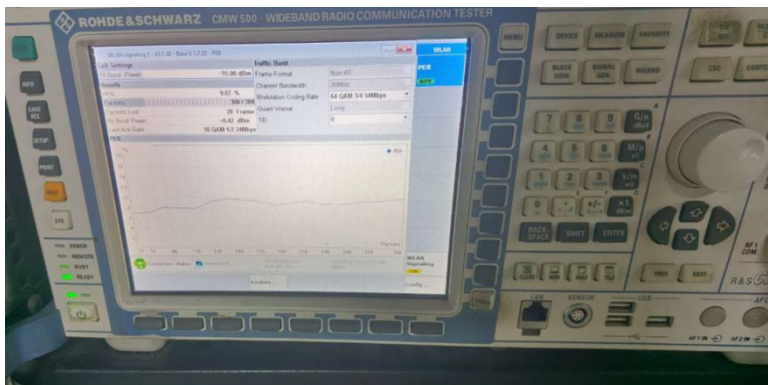


测试环境

Satimo 暗室



CMW-500 综测仪



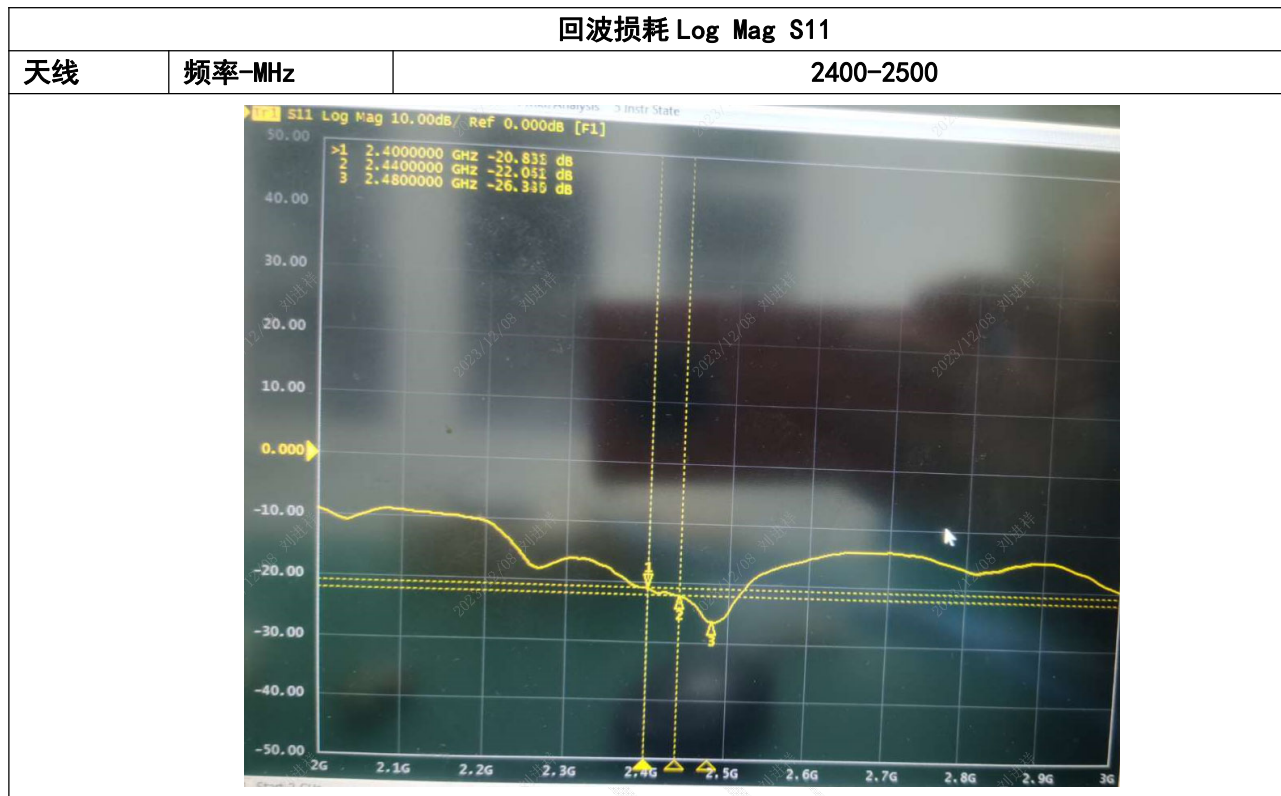
Agilent 安捷伦网络分析仪



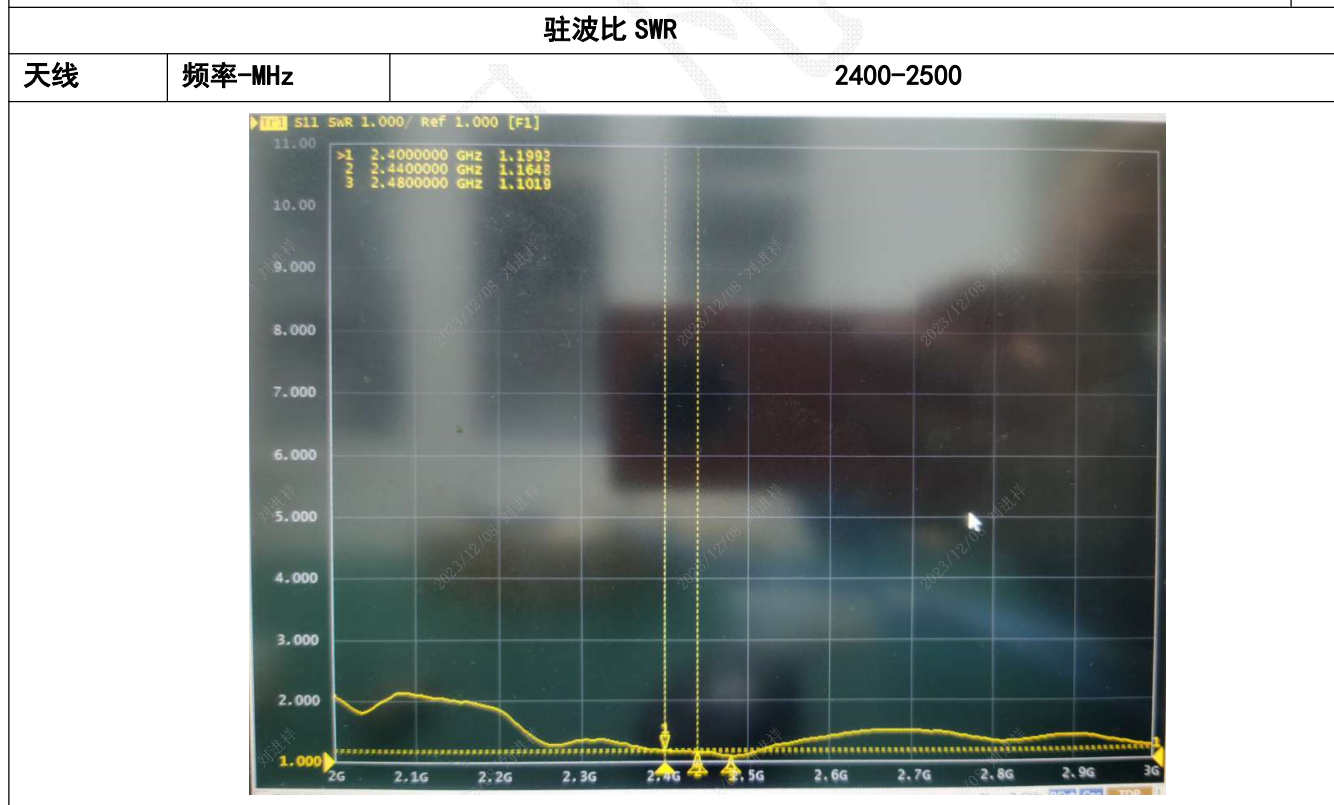
电性能测试结果

天线						
序号	检验项目	单位	性能指标要求	检验结果		判 决
1	频率范围	MHz	2412-2483.5	2400-2483.5		OK
2	增 益	dBi	/	2400	0.07	
				2440	0.5	
				2480	-0.36	
4	回波损耗	dB	≤ -10	2400	-20.8	
				2440	-22.0	
				2480	-26.3	
4	驻波比	dB	/	2400	1.19	
				2440	1.16	
				2480	1.10	

回波损耗 Log Mag S11



驻波比 SWR

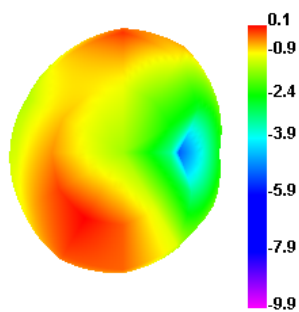


辐射参数测试

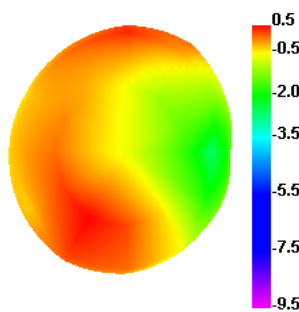
天线

辐射方向图 (2.4G)

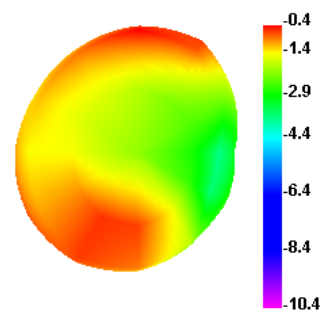
2400.000MHz



2440.000MHz

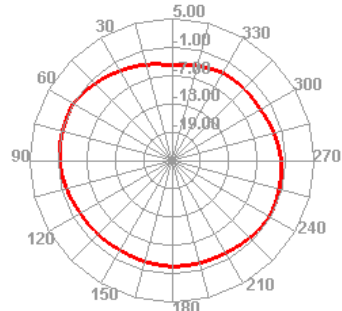


2480.000MHz

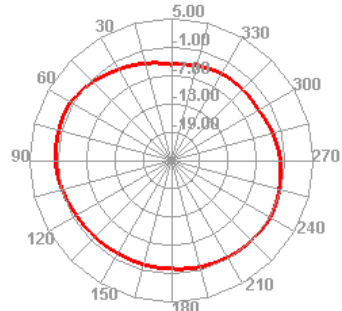


水平面

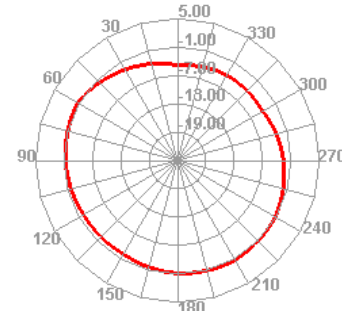
2400.000MHz H



2440.000MHz H

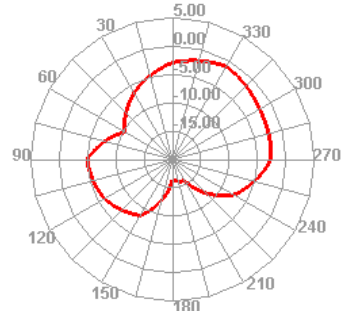


2480.000MHz H

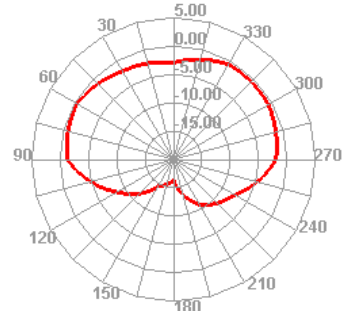


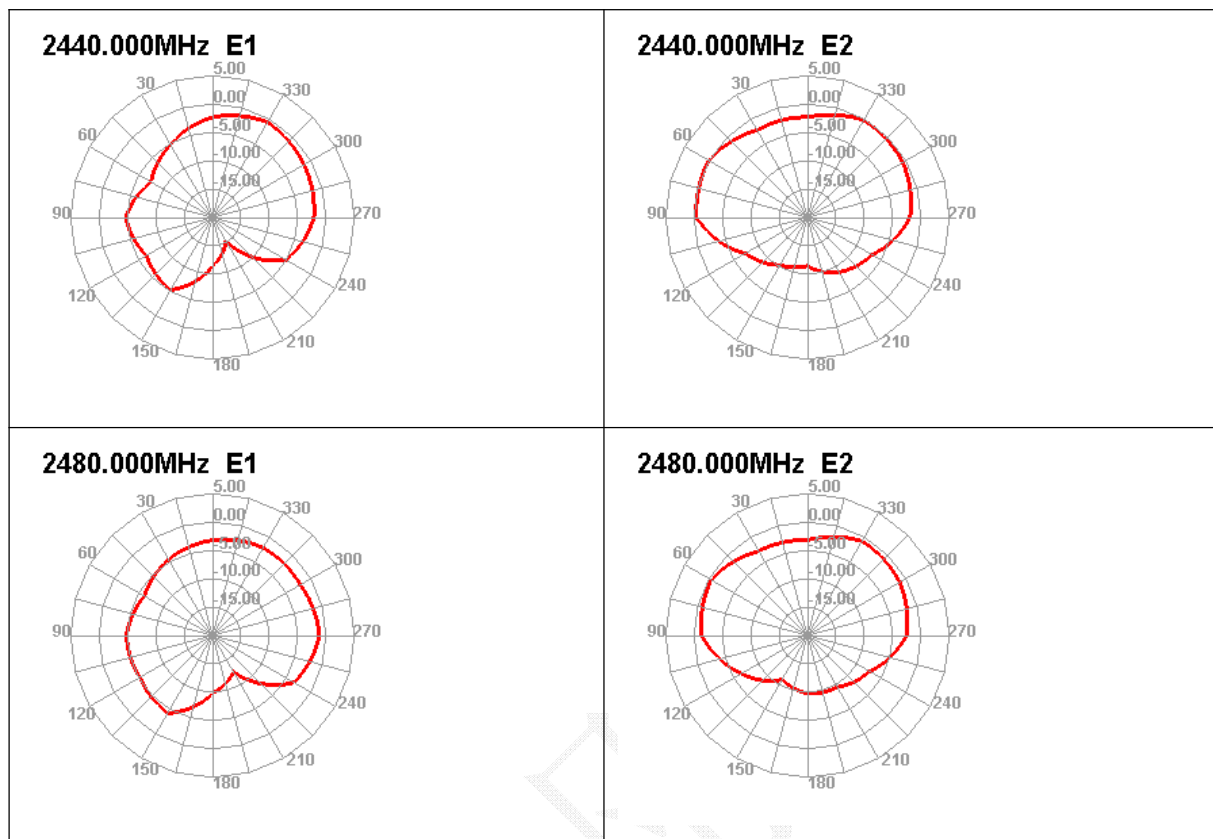
垂直面

2400.000MHz E1



2400.000MHz E2





天线无源效率

Frequency	E Total. dB(dBi)	Efficiency(%)
2400MHz	0.07	41.39
2410MHz	-0.11	39.73
2420MHz	0.16	42.47
2430MHz	0.27	44.23
2440MHz	0.5	47.94
2450MHz	0.21	47.35
2460MHz	-0.04	46.03
2470MHz	-0.71	42.89
2480MHz	-0.36	46.09
2490MHz	-0.02	49.16
2500MHz	-0.02	48.79