

东莞市唯新实业有限公司

Dongguan Weixin Industry Co., Ltd

天线规格书

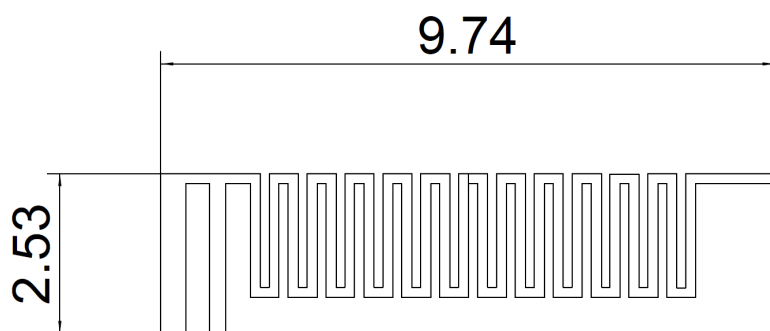
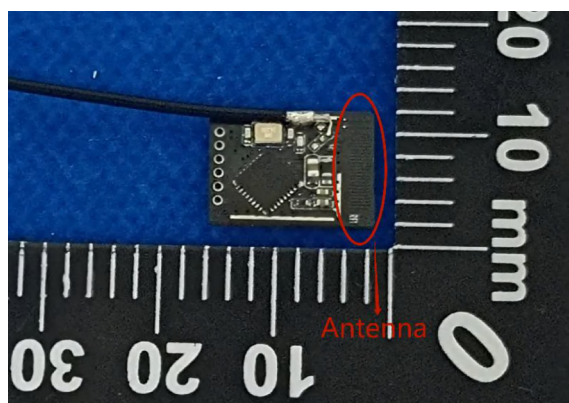
Antenna specifications

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一.产品图片,尺寸 (Product pictures, size)



二、产品参数 (Product Parameters)

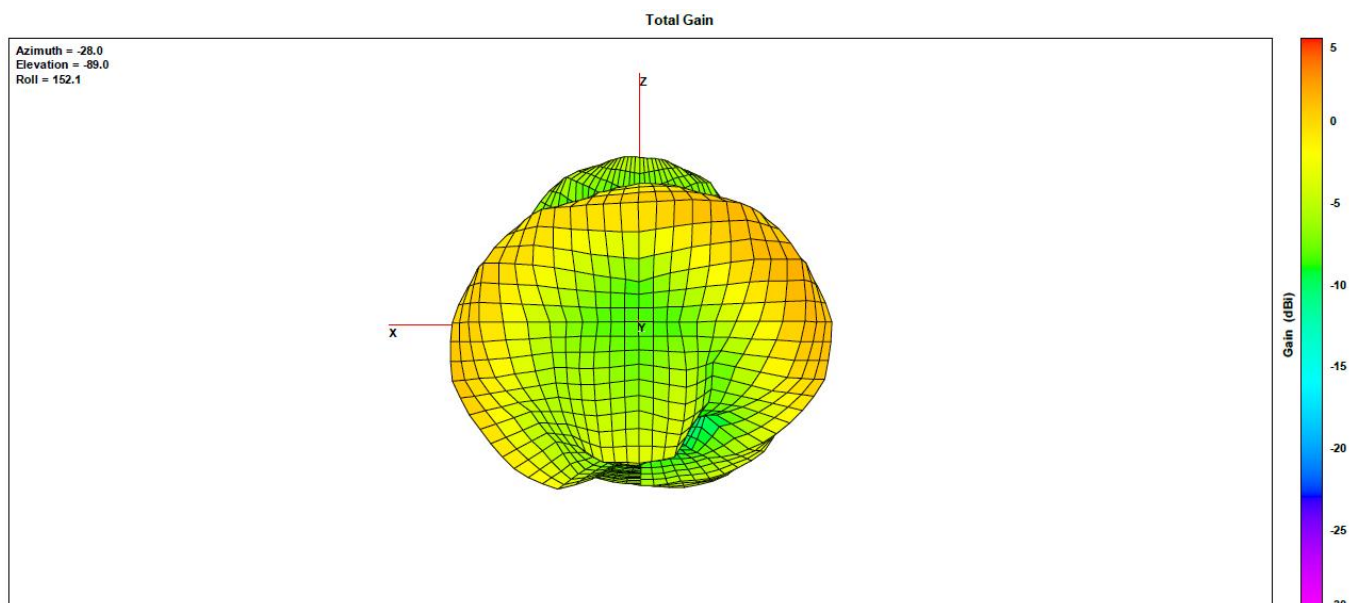
产品测试参数 (Product test parameters)			
产品名称(Name)	内置天线 (Internal antenna)	产品型号(Model Type)	MD US02A-V1.01
电性能指标 (Electrical Specifications)			
频率范围 (Frequency Range)	2400-2500MHz	极化方式 (Polarization)	垂直 (vertical)
输入阻抗(Impedance)	50 Ω	辐射方向 (Radiation direction)	全向 (Omnidirectional)
驻波比 (VSWR)	2.29	功率容量(Power)	50W
增益(Gain)	2.09DB	带宽 (bandwidth)	100MHz
机械指标 (Mechanical Specifications)			
尺寸 (Dimensions)	2.53*9.74mm	天线颜色(Radome Color)	黑色 (black)
连接器型号 (Connector)		引线长度(Cable Length)	
外壳材料 Radome Material			
工作温度 (Working Temperature)	-10°C~+60°C	存放温度 (Limit Temperature)	-10°C~+30°C

三、增益(Gain).效率(efficiency).方向图(direction map), VSWR, Impedance, Return Loss

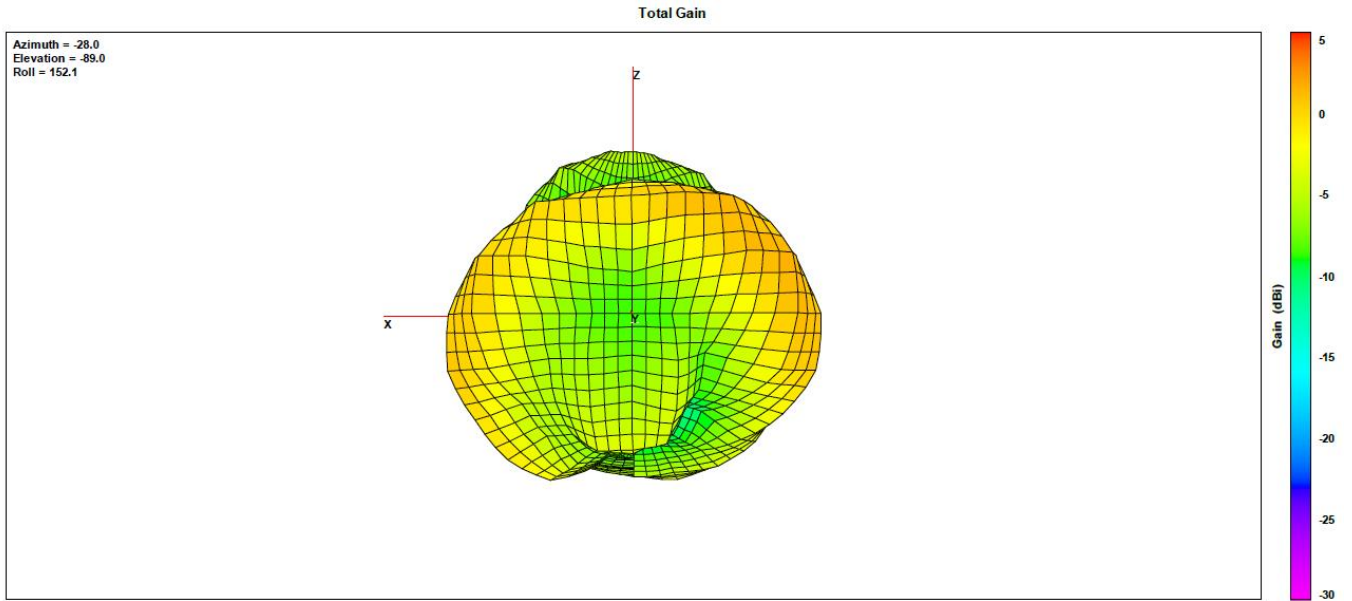
1.增益,效率(gain,efficiency)

Frequency (MHz)	Efficiency(%)	Gain(dB)
2400	27.98%	2.01
2410	28.45%	2.09
2420	27.95%	1.96
2430	27.41%	1.85
2440	27.41%	1.88
2450	27.27%	1.89
2460	26.78%	1.88
2470	25.23%	1.62
2480	23.95%	1.43
2490	22.36%	1.19
2500	21.05%	2.01

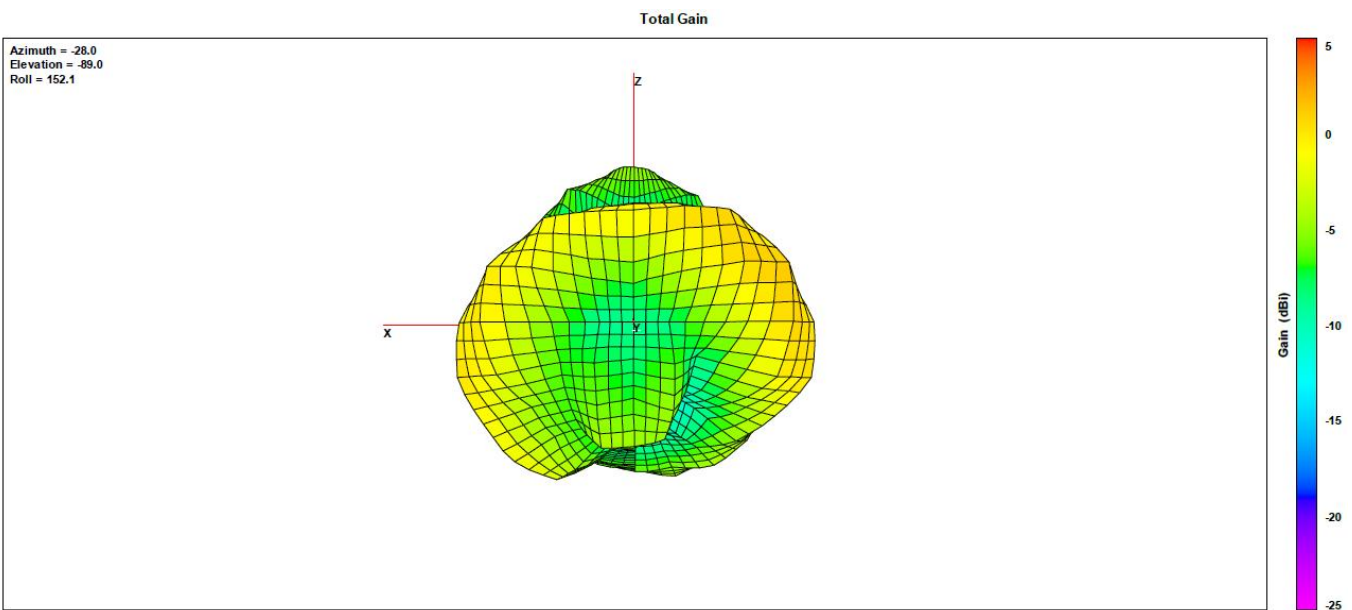
2.苹果图(apple diagram)



2400MHz

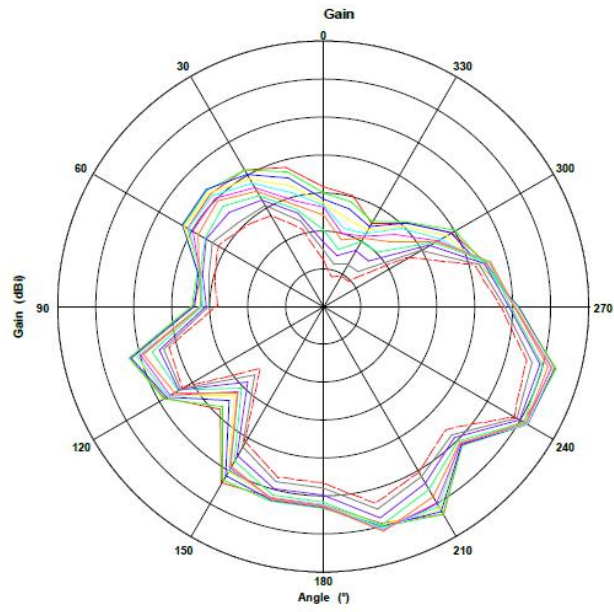


2440MHz



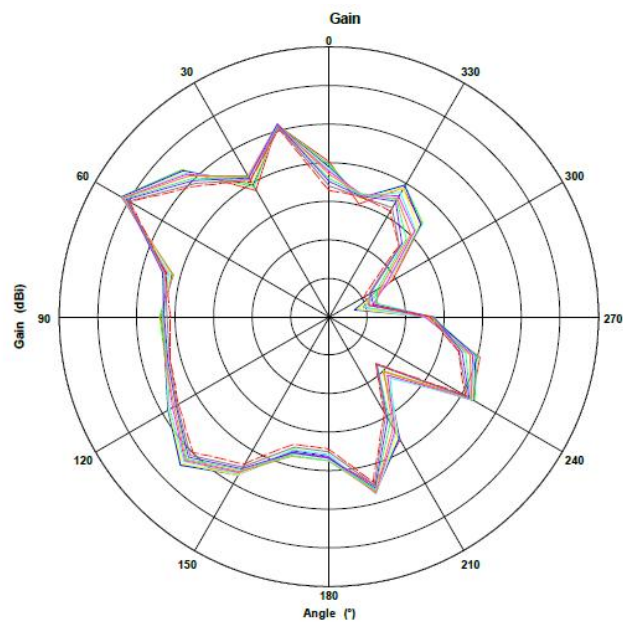
2480MHz

3.方向图(direction map)



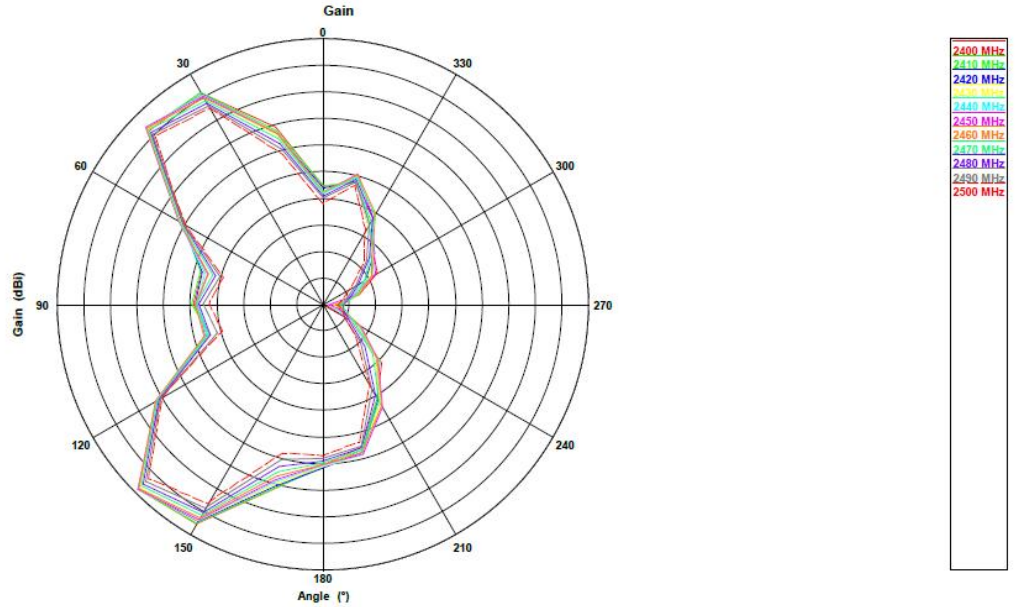
2400 MHz
2410 MHz
2420 MHz
2430 MHz
2440 MHz
2450 MHz
2460 MHz
2470 MHz
2480 MHz
2490 MHz
2500 MHz

Phi=0°

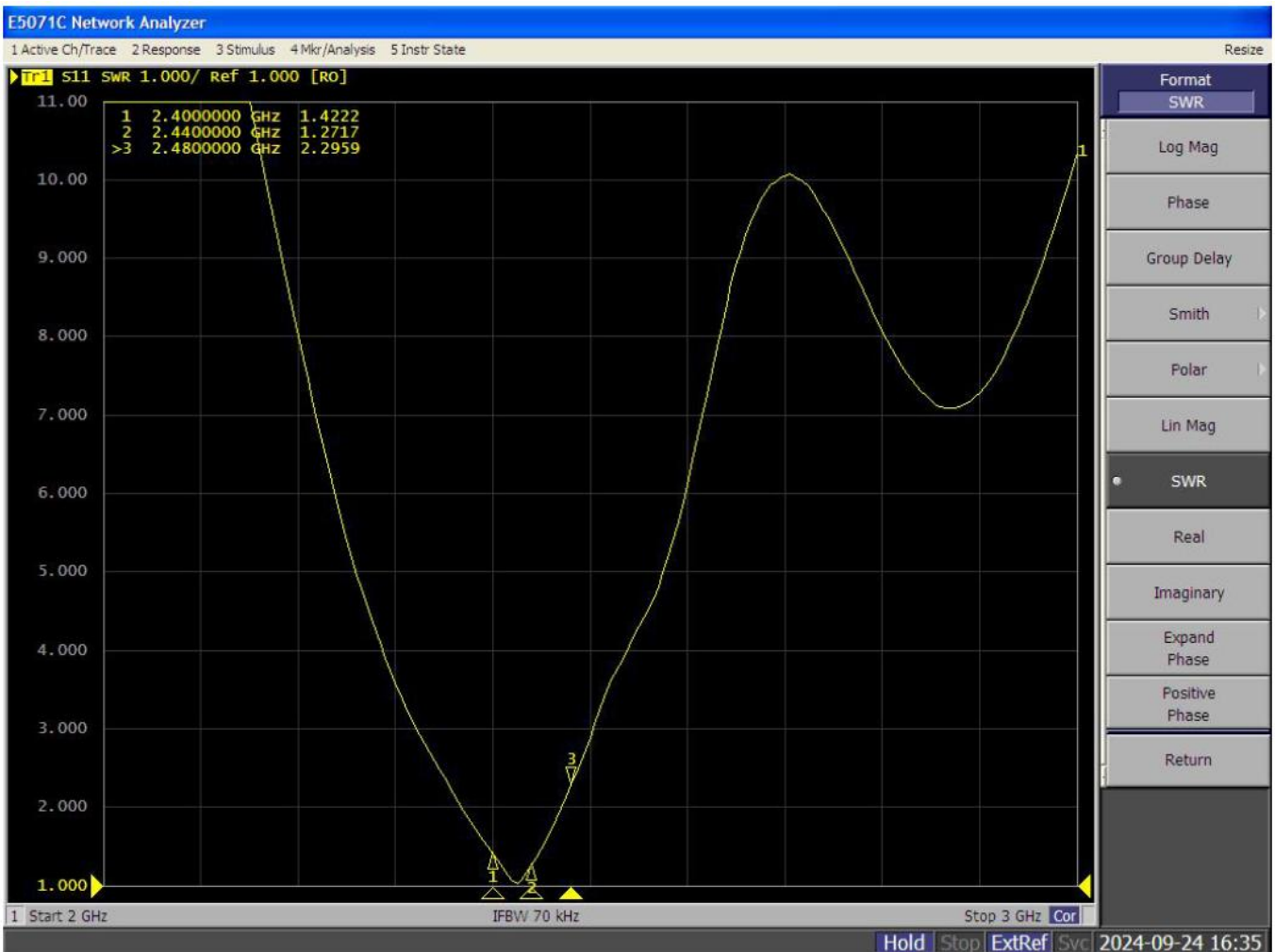


2400 MHz
2410 MHz
2420 MHz
2430 MHz
2440 MHz
2450 MHz
2460 MHz
2470 MHz
2480 MHz
2490 MHz
2500 MHz

Phi=90°

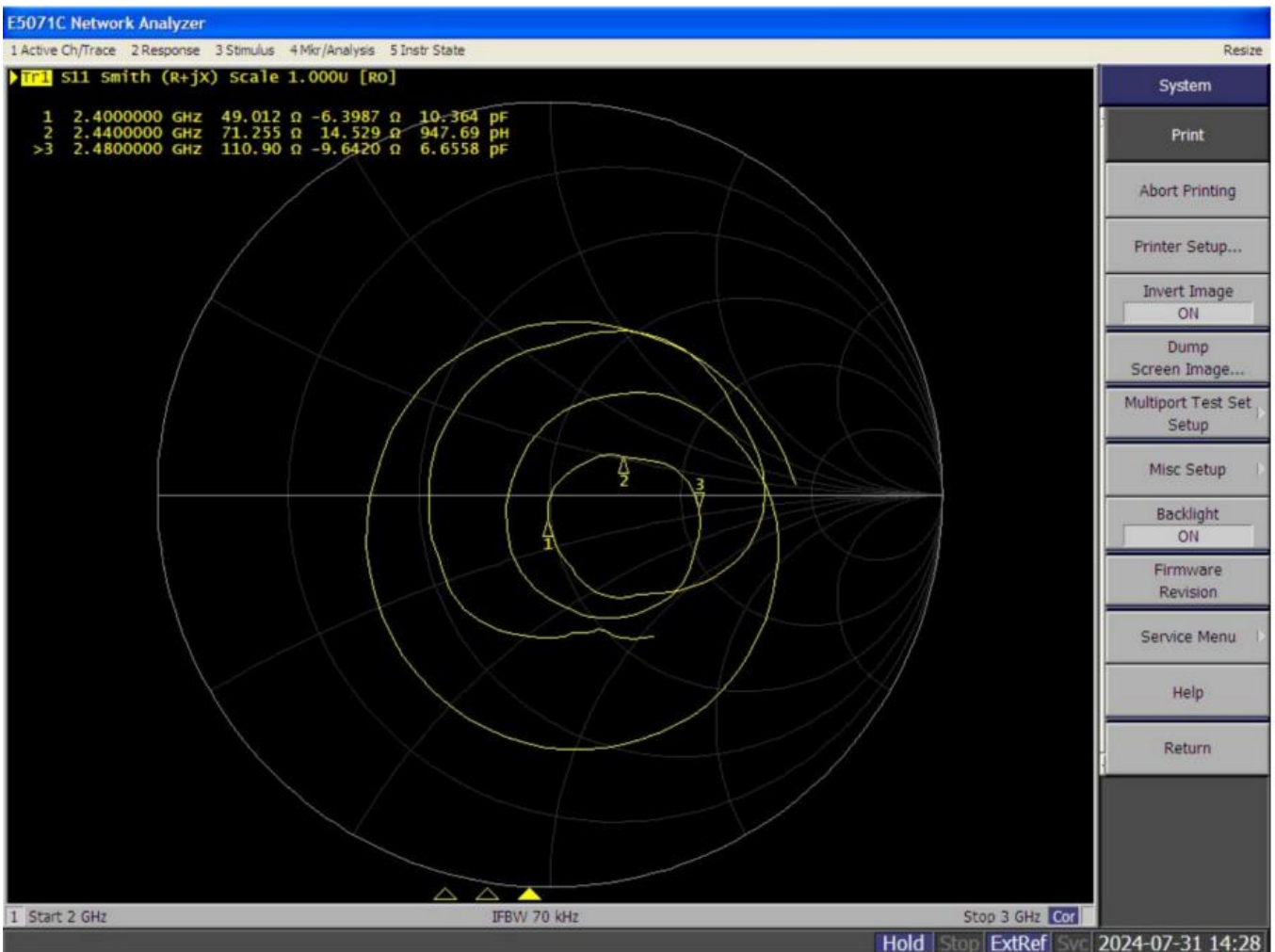


4.VSWR

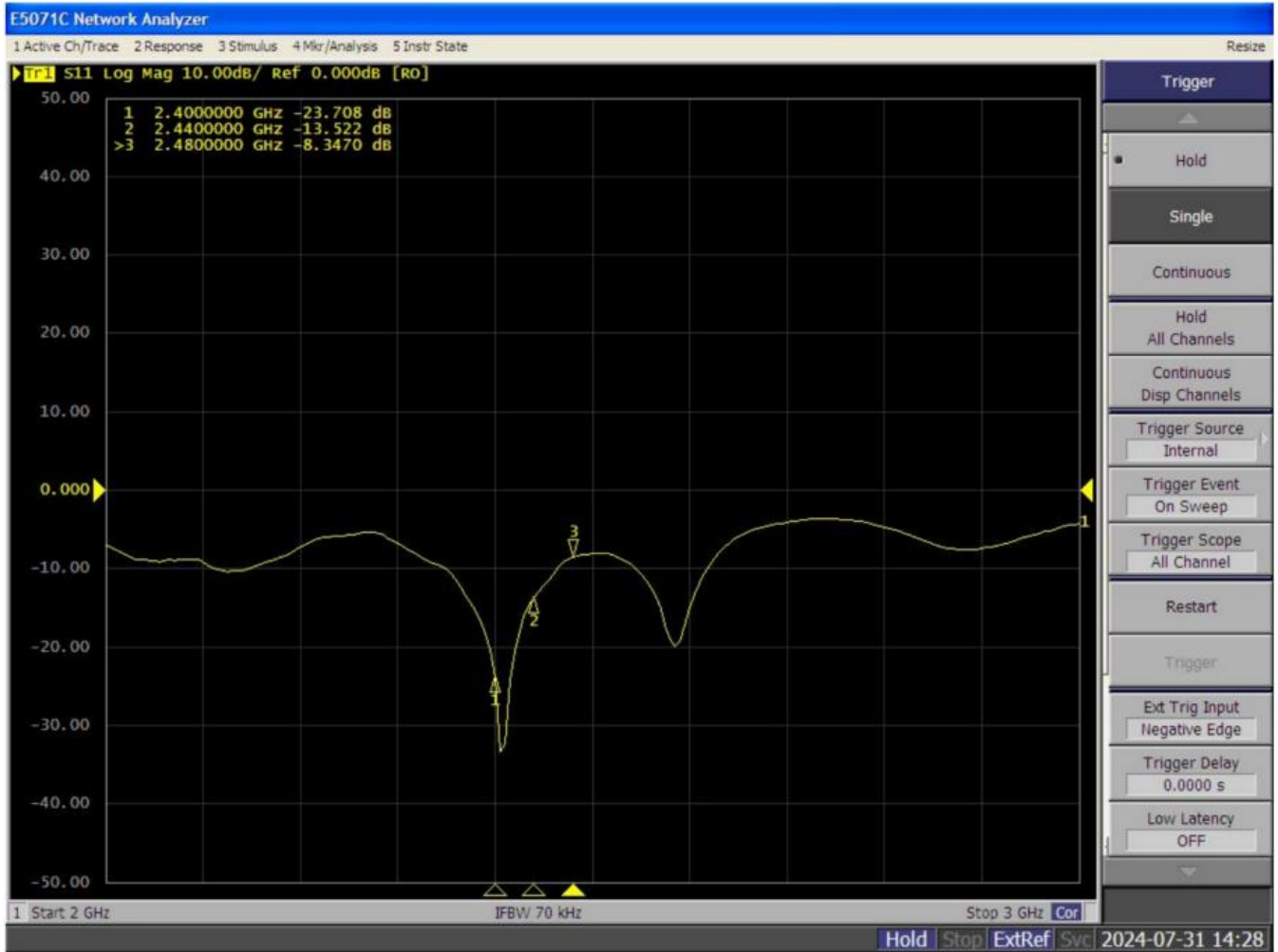


Frequency (MHz)	VSWR	Impedance (Ω)
2400	1.42	68.35
2440	1.27	39.95
2480	2.29	31.9

5. Impedance

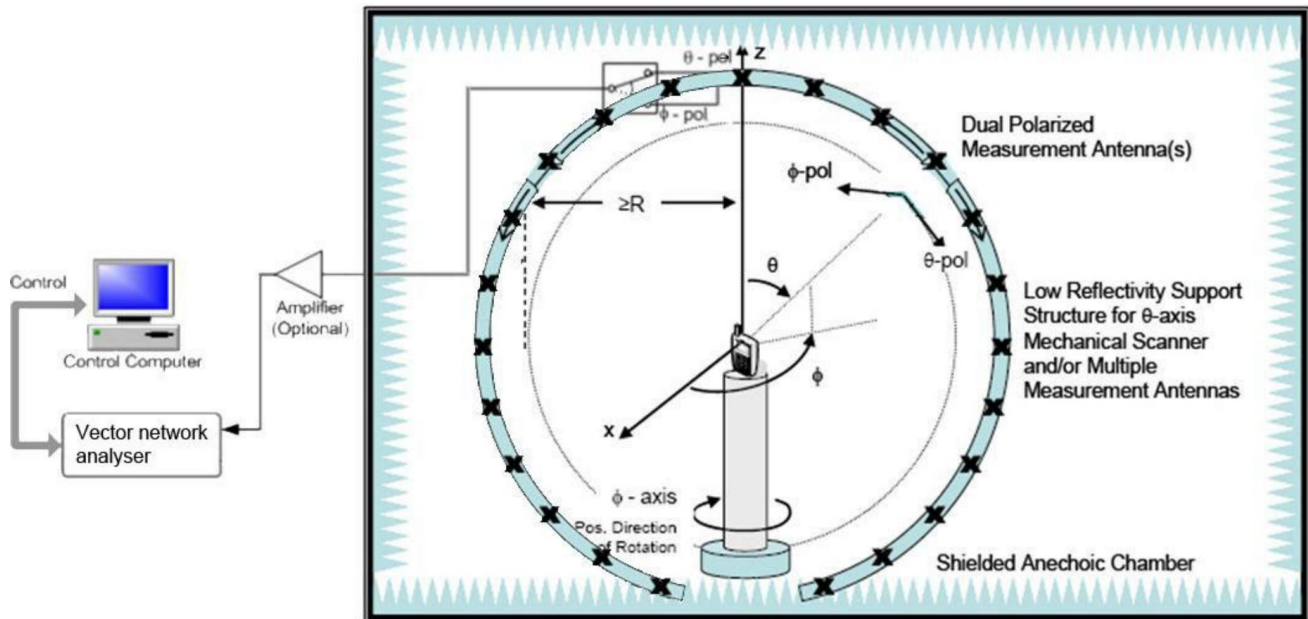


6.Return Loss



Frequency (MHz)	Return Loss (dB)
2400	-15.17
2440	-18.44
2480	-8.1

测试连接系统(Test connection system)



测试机构 (testing agency) :

Shenzhen Morlab Communications Technology Co., Ltd