

东莞市唯新实业有限公司

Dongguan Weixin Industry Co., Ltd

天线规格书

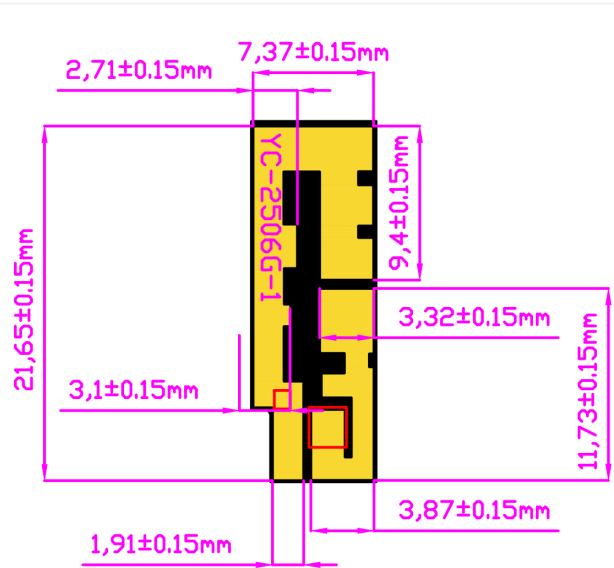
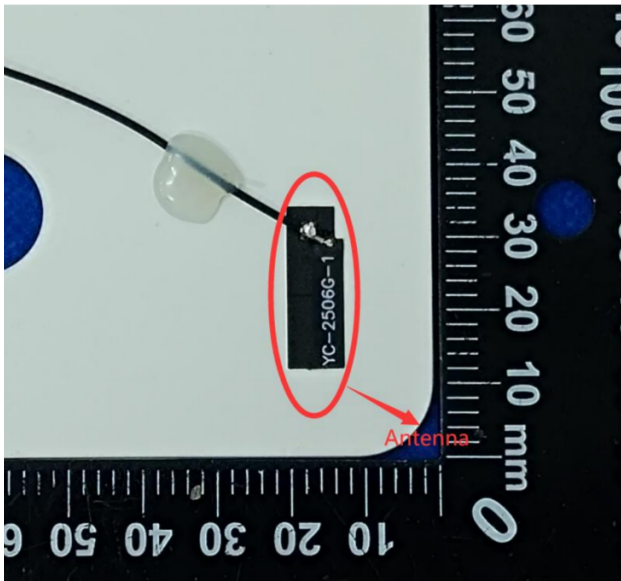
Antenna specifications

目录

Table of contents

产品图片,尺寸 (Product pictures, size)	1
产品参数 (Product Parameters)	1
增益, 效率, 方向图 (gain, efficiency, pattern)	2-7
测试连接系统(Test connection system).....	8

一.产品图片,尺寸 (Product pictures, size)



二、产品参数 (Product Parameters)

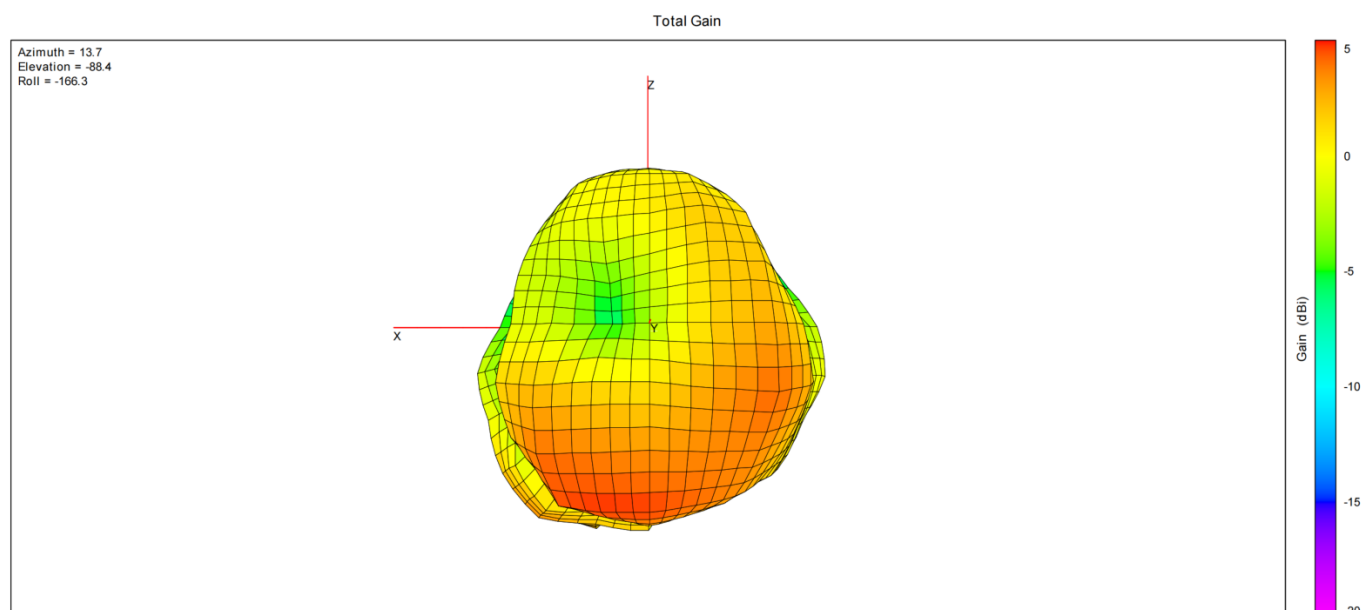
产品测试参数 (Product test parameters)			
产品名称(Name)	内置天线 (Internal antenna)	产品型号(Model Type)	YC-fpc-006
电性能指标 (Electrical Specifications)			
频率范围 (Frequency Range)	2400-2500MHz	极化方式 (Polarization)	垂直 (vertical)
输入阻抗(Impedance)	50 Ω	辐射方向 (Radiation direction)	全向 (Omnidirectional)
驻波比 (VSWR)	2.23	功率容量(Power)	50W
增益(Gain)	5.03DB	带宽 (bandwidth)	136/980MHz
机械指标 (Mechanical Specifications)			
尺寸 (Dimensions)	7.37*21.65mm	天线颜色(Radome Color)	黑色 (black)
连接器型号 (Connector)	1代端子1.13线材 1st generation terminal 1.13 wire	引线长度(Cable Length)	120mm
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

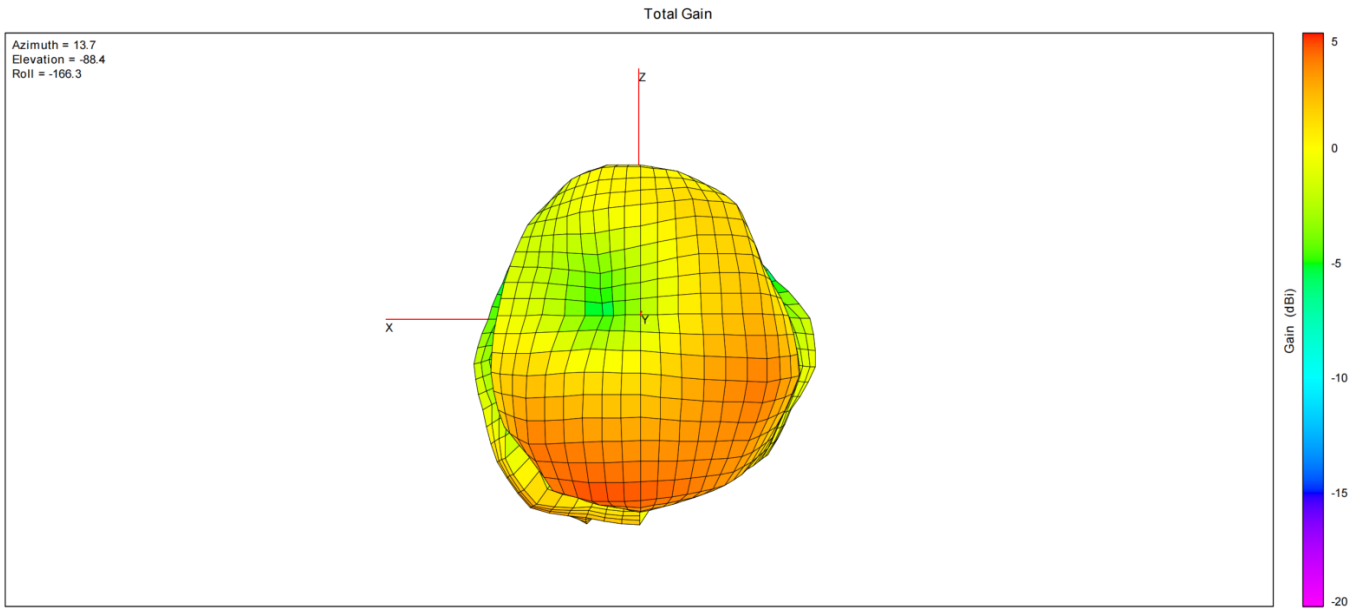
1.增益,效率(gain,efficiency)

Frequency (MHz)	Efficiency(%)	Gain(dB)
2400	61.21%	4.97
2410	60.77%	4.98
2420	58.74%	4.89
2430	57.24%	4.79
2440	57.43%	4.75
2450	58.23%	4.78
2460	59.03%	4.87
2470	58.32%	4.91
2480	58.46%	4.94
2490	58.01%	4.91
2500	59.31%	5.03

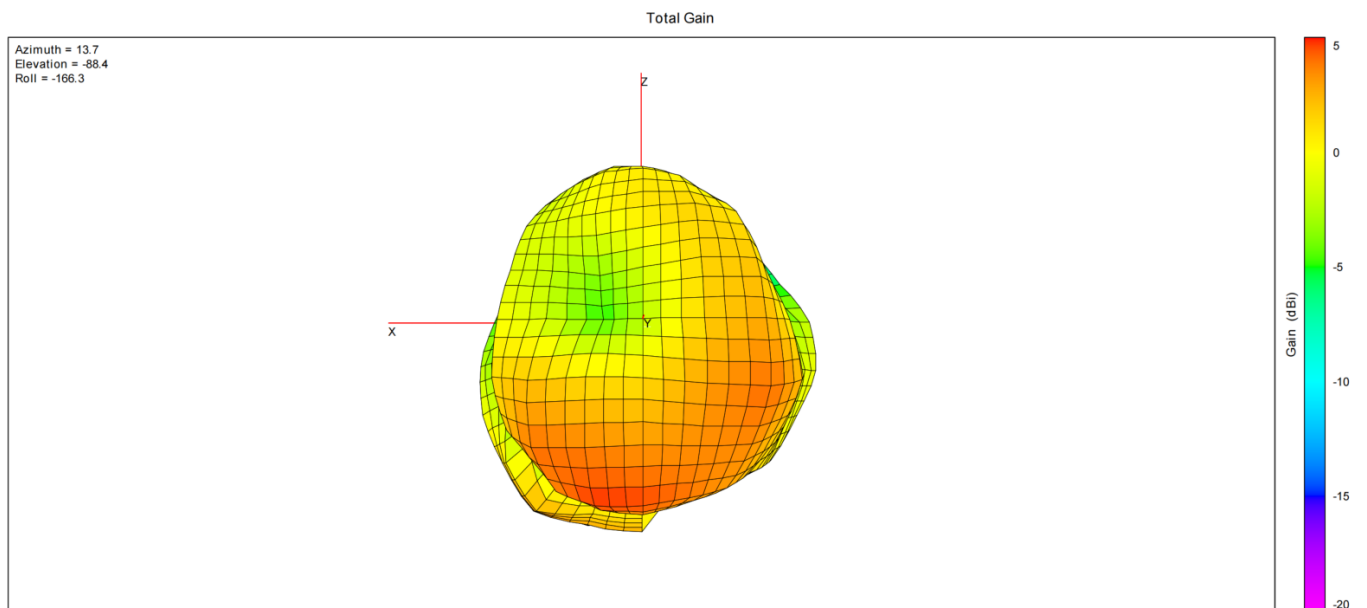
2.苹果图(apple diagram)



2400MHz

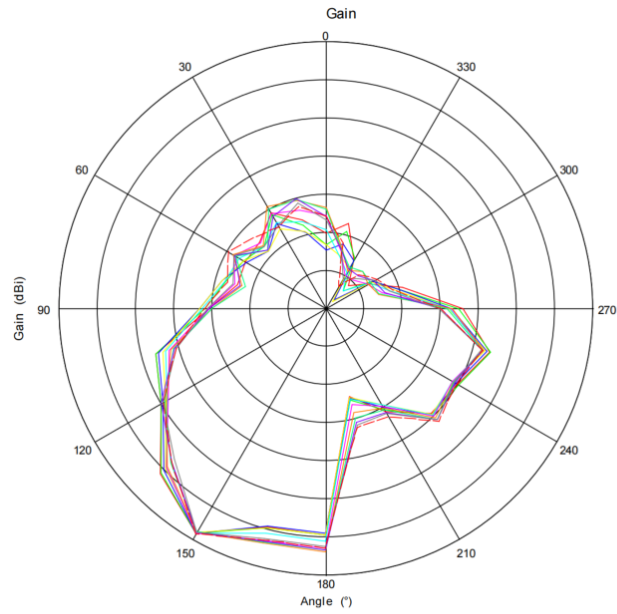


2440MHz



2480MHz

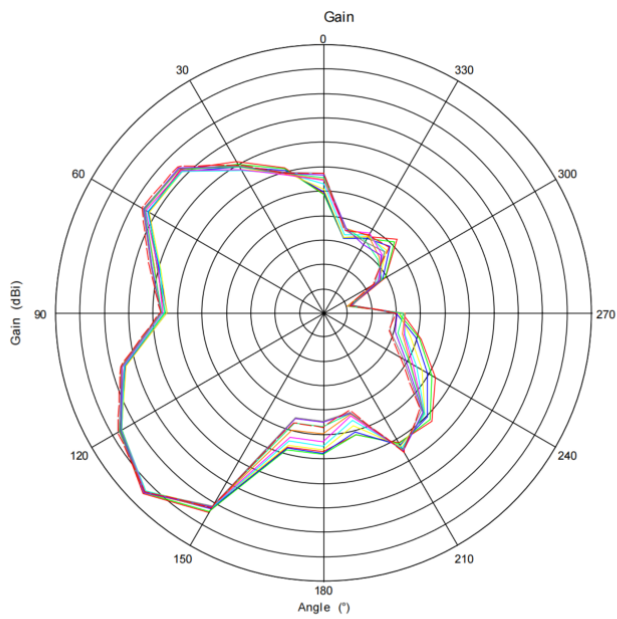
3.方向图(direction map)



Max: 4
Min: -10
Scale: 2/div

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

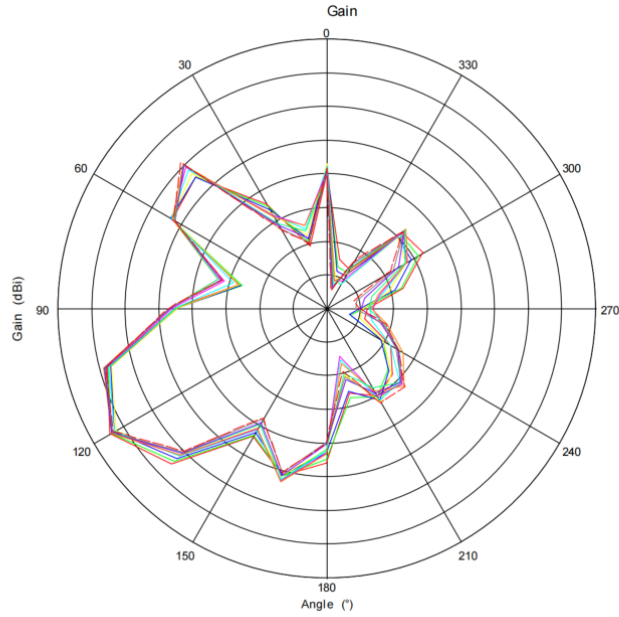
Phi=0°



Max: 6
Min: -16
Scale: 2/div

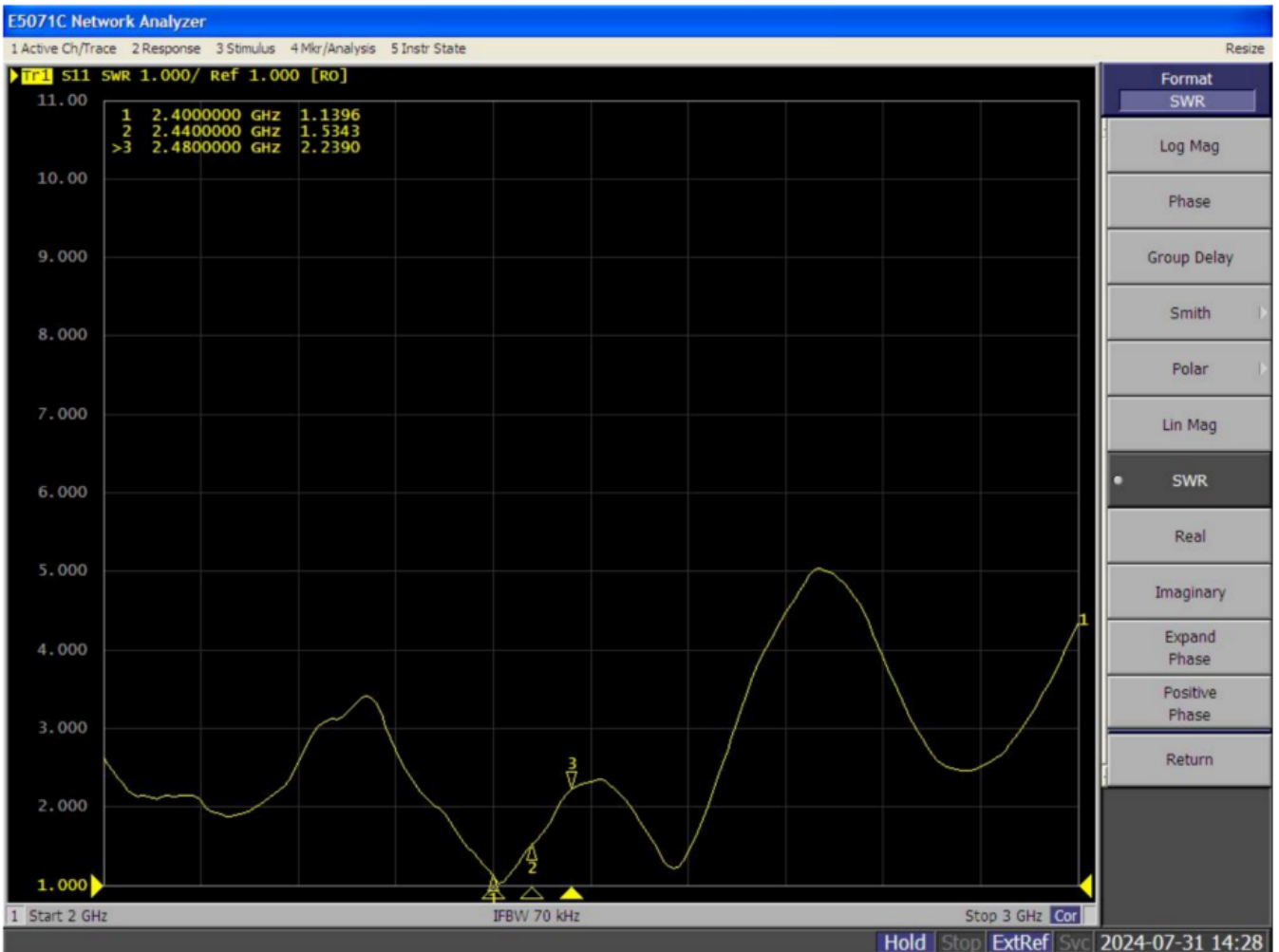
2400 MHz
2410 MHz
2420 MHz
2430 MHz
2440 MHz
2450 MHz
2460 MHz
2470 MHz
2480 MHz
2490 MHz
2500 MHz

Phi=90°

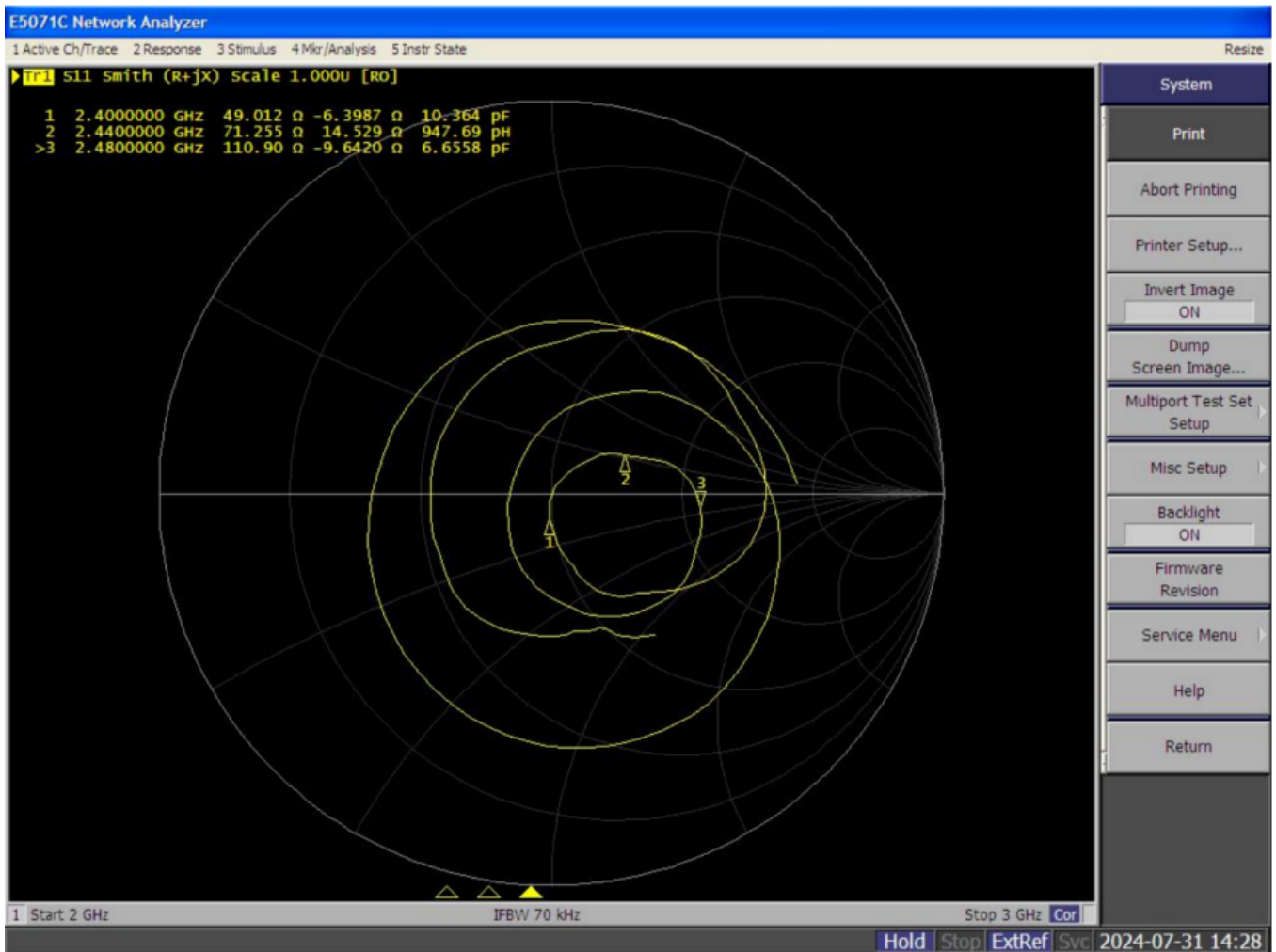


Max: 4
Min: -12
Scale: 2/div

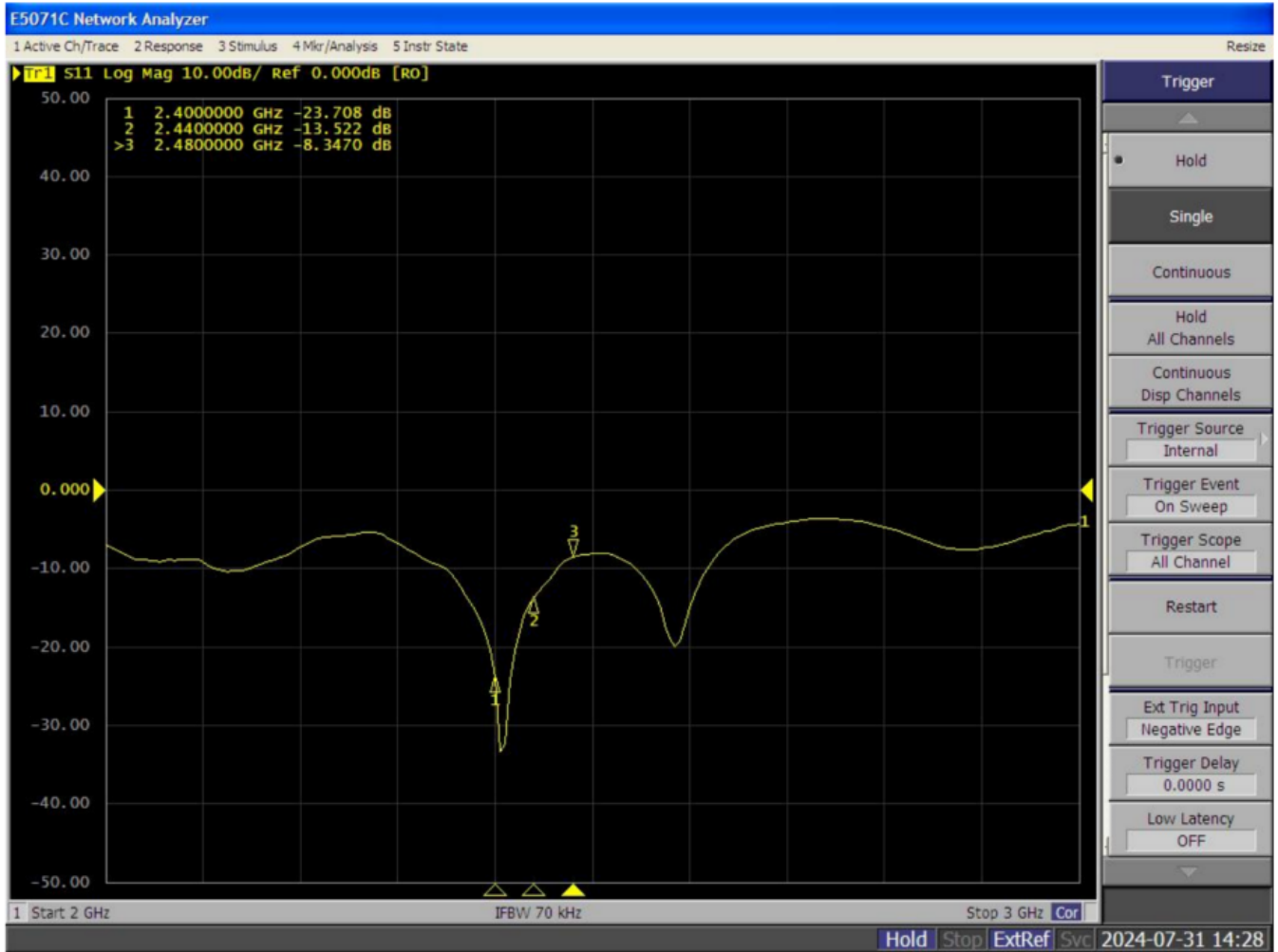
4.VSWR



5.Impedance

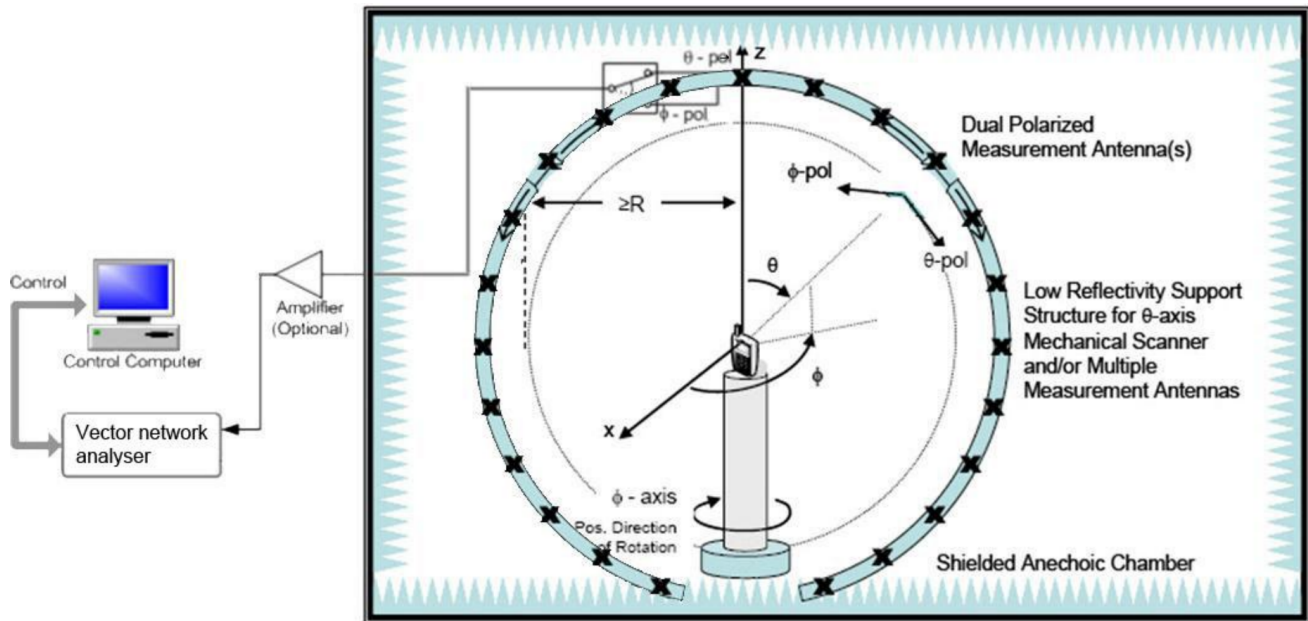


6.Return Loss



频率 frequency (MHz)	回波损耗 Return loss (dB)	电压驻波比 voltage standing wave ratio	阻抗 impedance (Ω)
2400	-23.7	1.13	49.01
2440	-13.52	1.53	71.25
2480	-8.34	2.23	110.9

测试连接系统(Test connection system)



测试机构 (testing agency) :

Shenzhen Morlab Communications Technology Co., Ltd