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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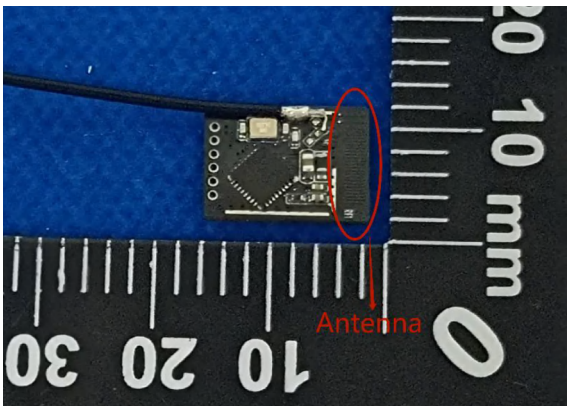
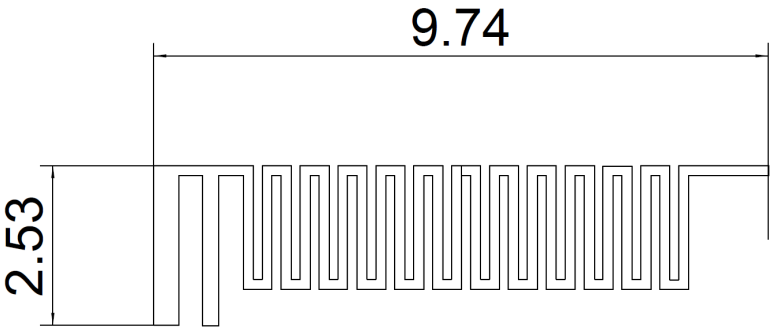
一.产品图片,尺寸（Product pictures, size）(Unit:mm)





二、产品参数（Product Parameters）

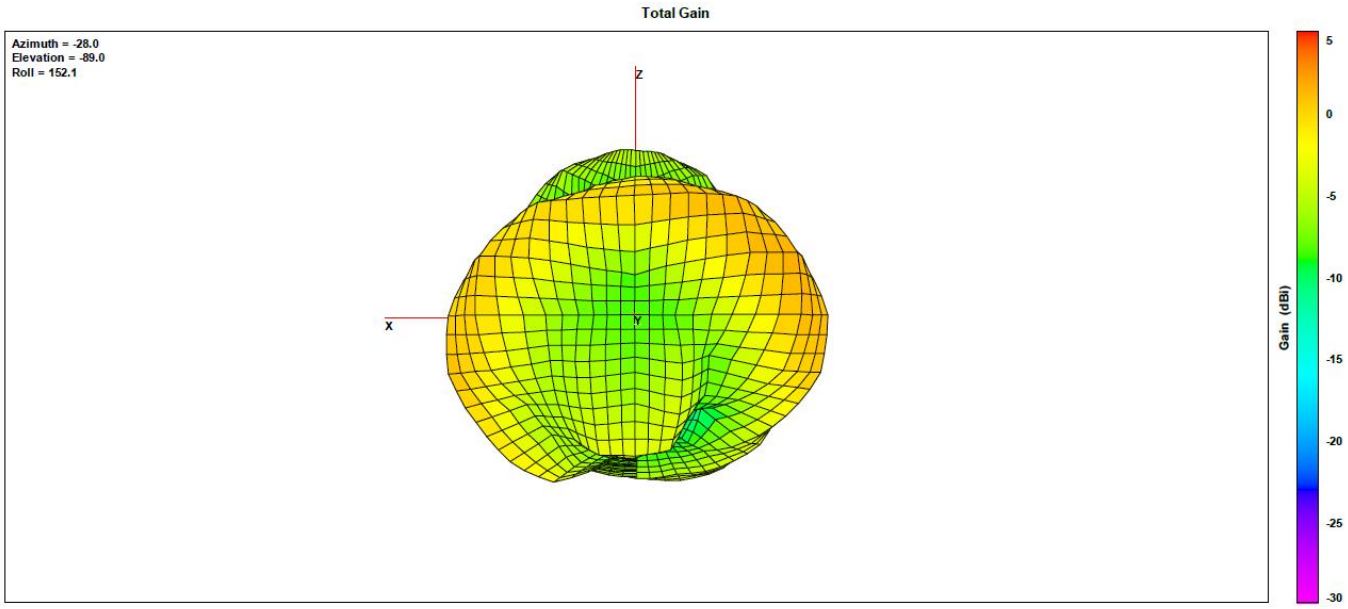
产品测试参数（Product test parameters）			
产品名称(Name)	内置天线（Internal antenna）	产品型号(Model Type)	MD US02A-V1.01
电 性 能 指 标 (Electrical Specifications)			
频率范围（Frenquency Range)	2400-2500MhZ	极化方式 （Polarization）	垂直（vertical）
输入阻抗(Impedance)	50 Ω	辐射方向（Radiation direction）	全向（Omnidirectional）
驻波比（VSWR）	2.29	功率容量(Power)	50W
增益(Gain)	2.09dBi	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℃-+60℃	存放温度 (Limit Temperature)	-10℃-+30℃

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

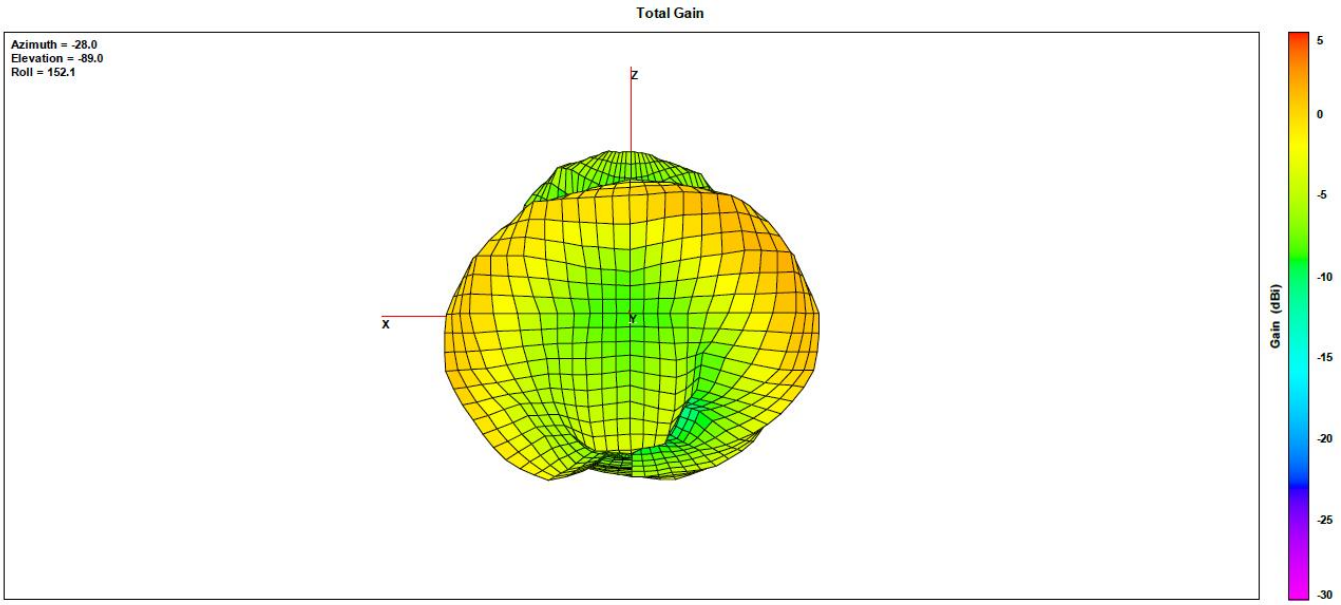
1.增益,效率(gain,efficiency)

Frequency（MHz）	Efficieny(%)	Gain(dBi)
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

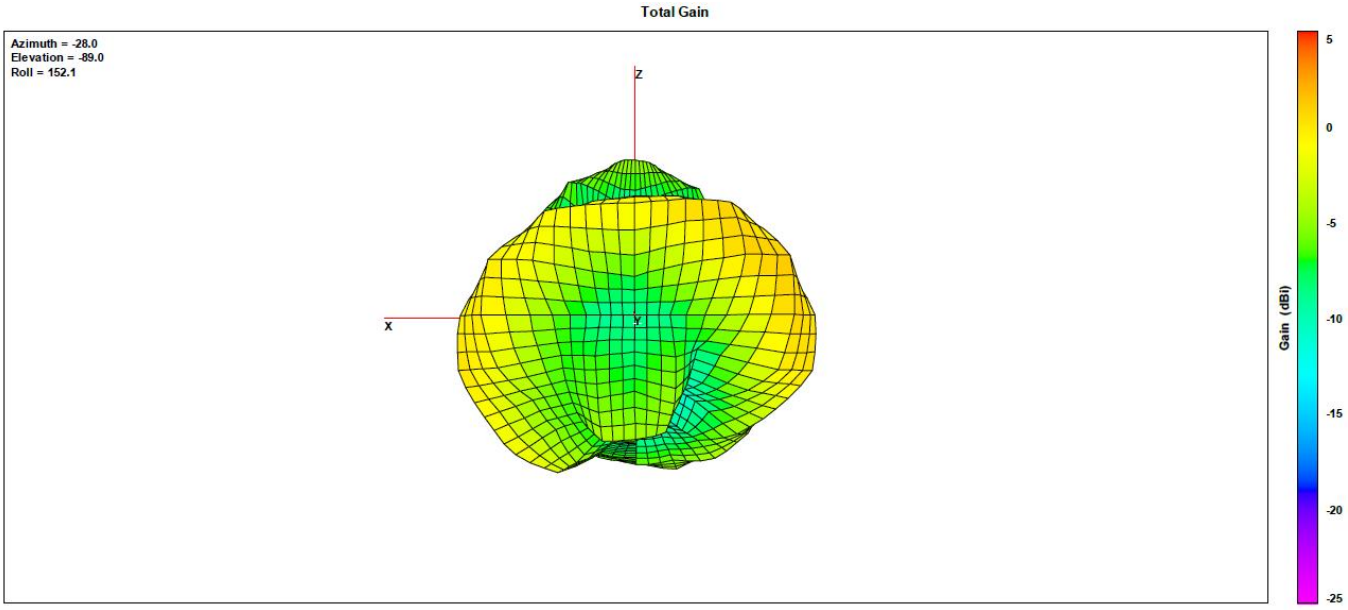
2.苹果图(apple diagram)



2400MHz

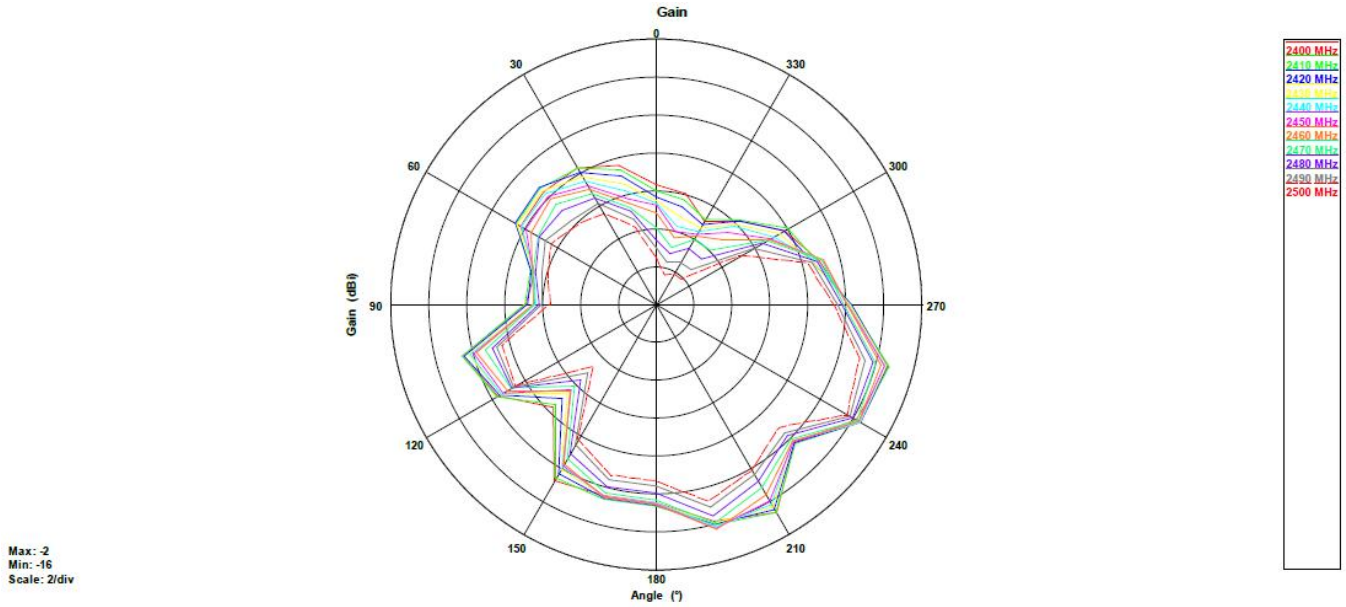


2440MHz

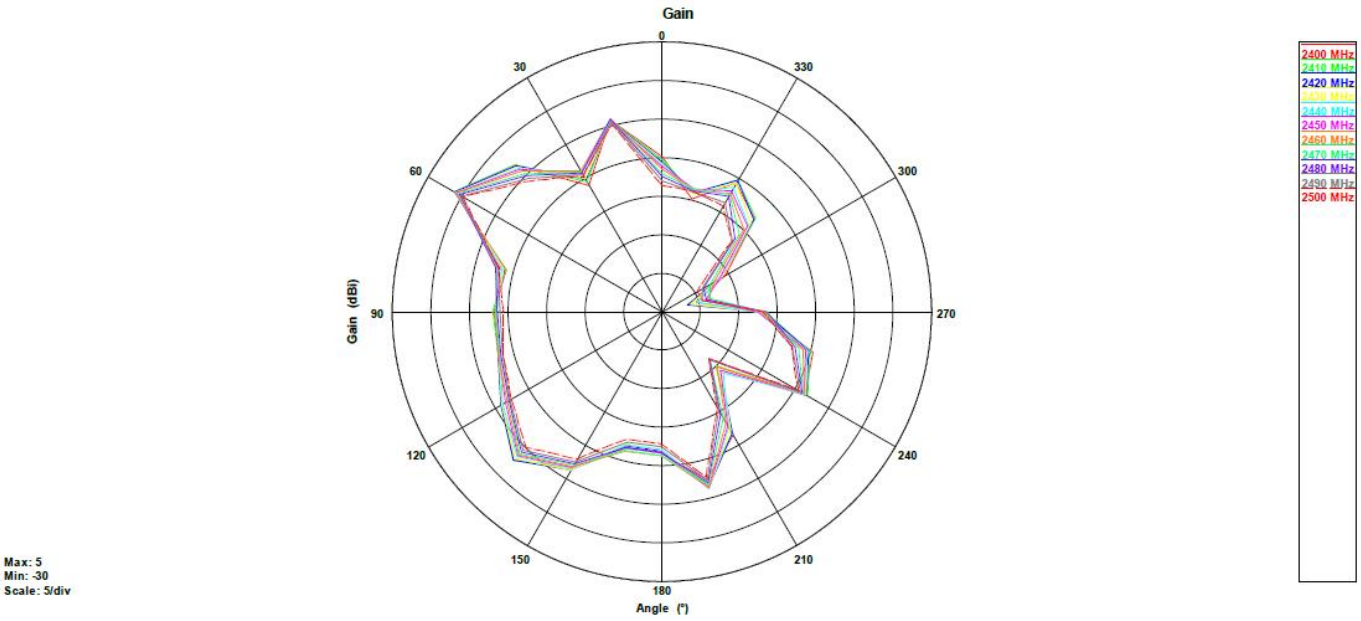


2480MHz

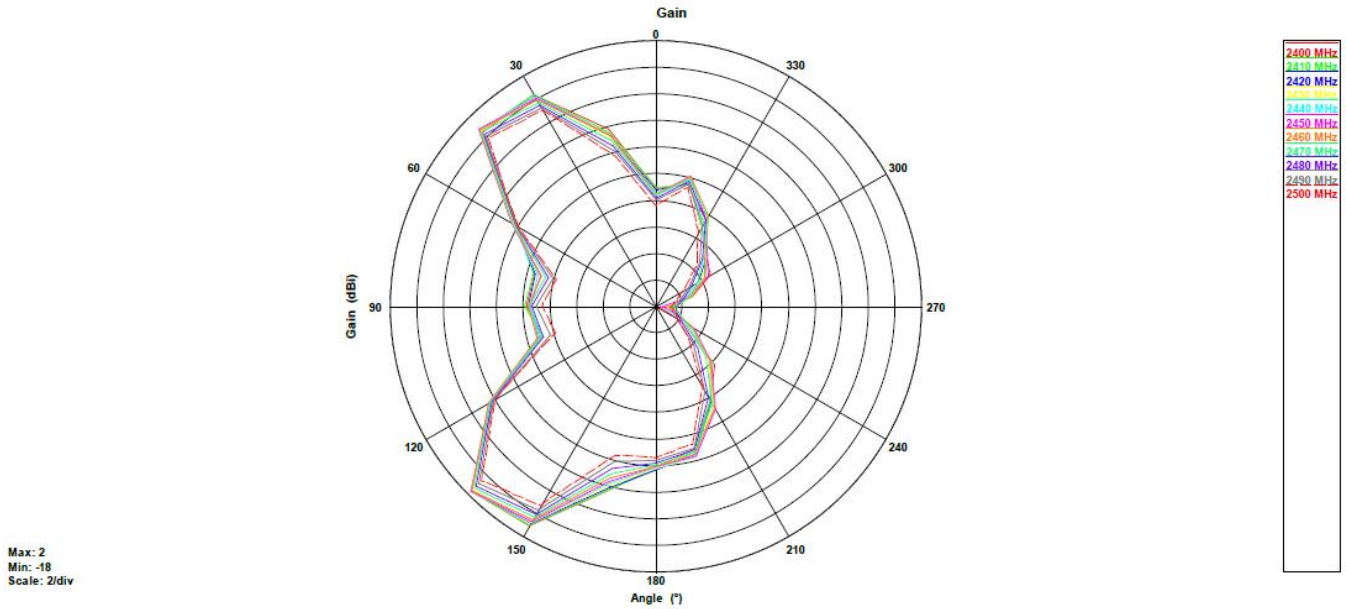
3.方向图(direction map)



Phi=0°

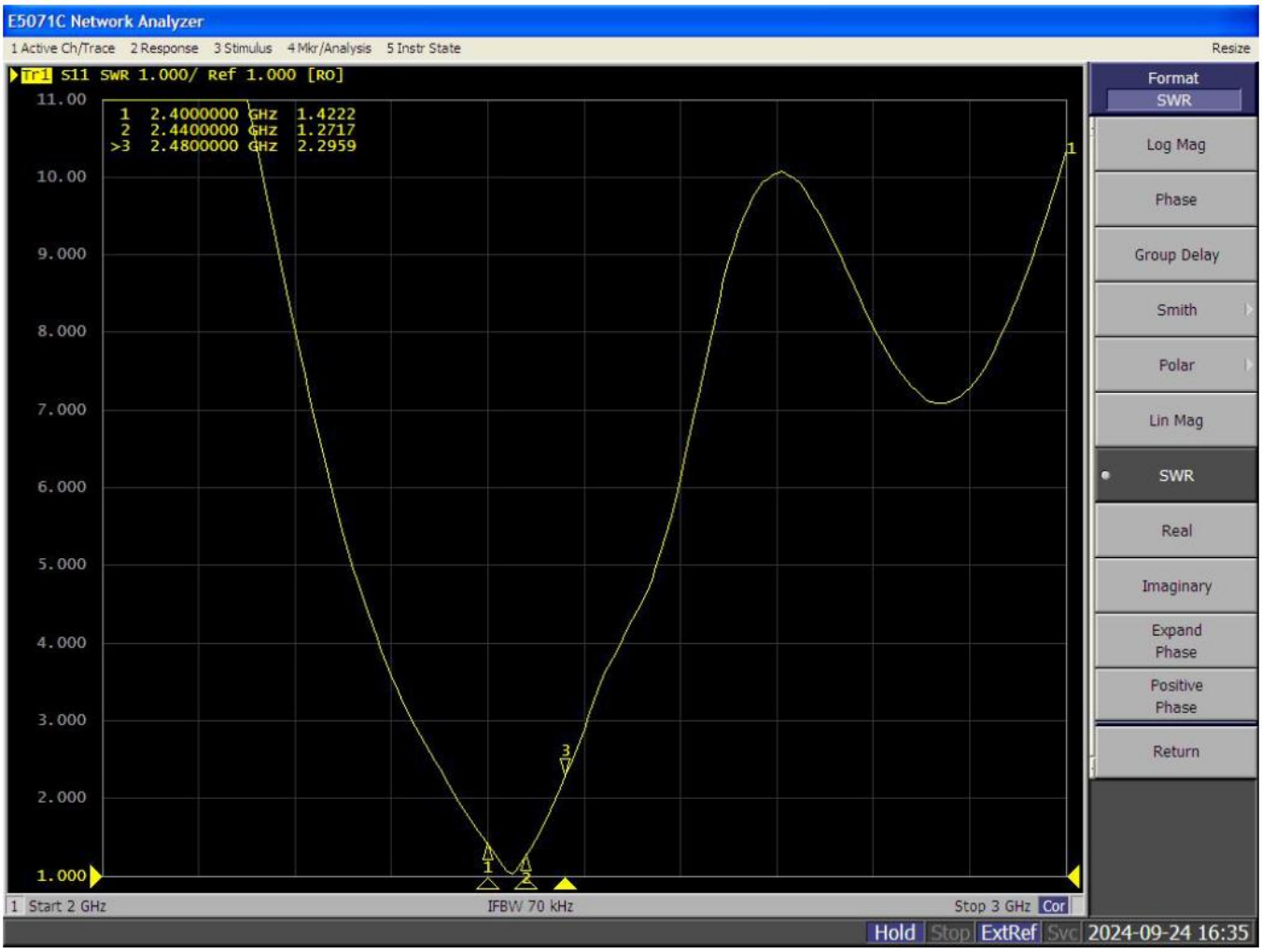


Phi=90°



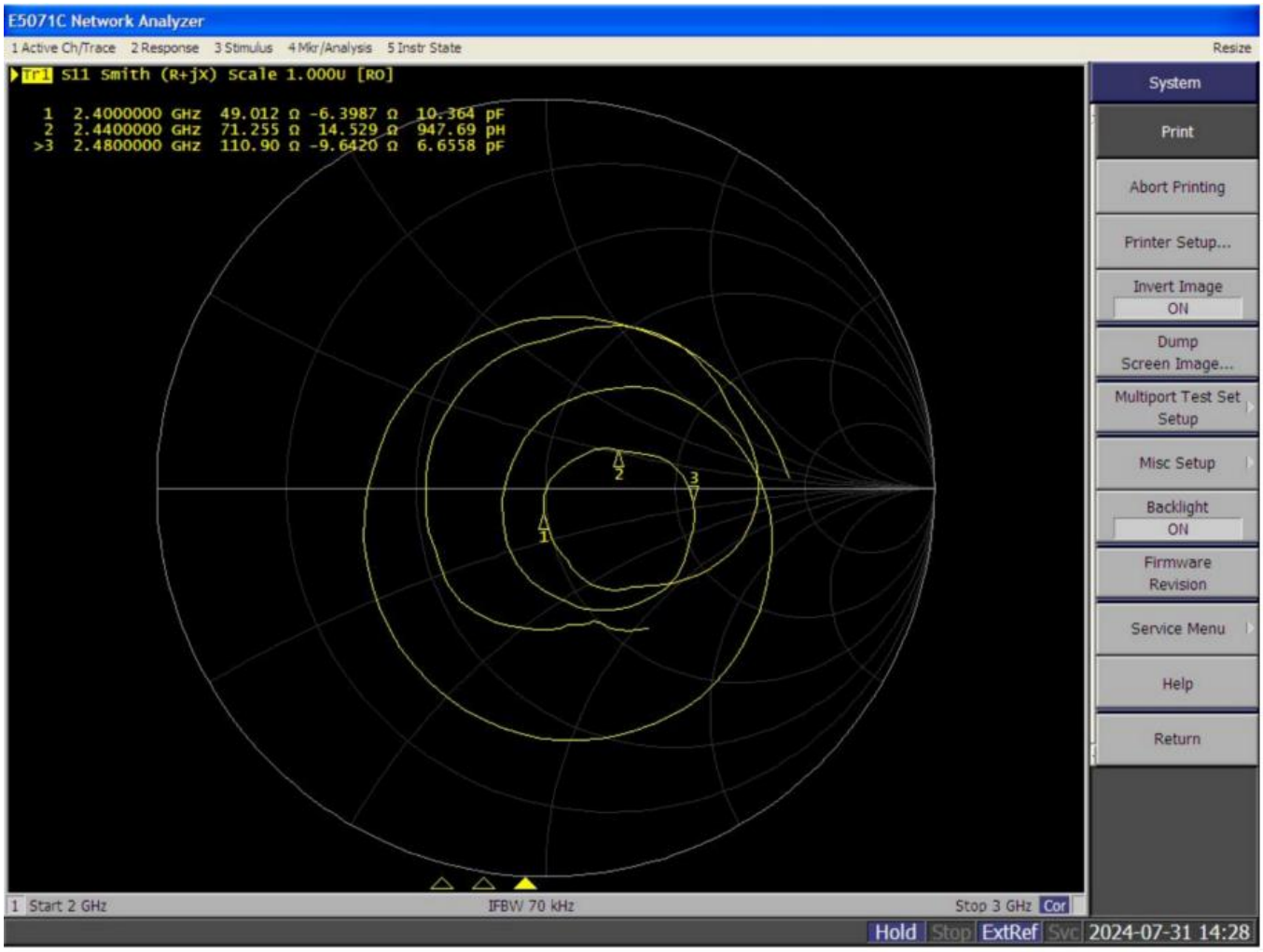
Theta=90°

4.VSWR

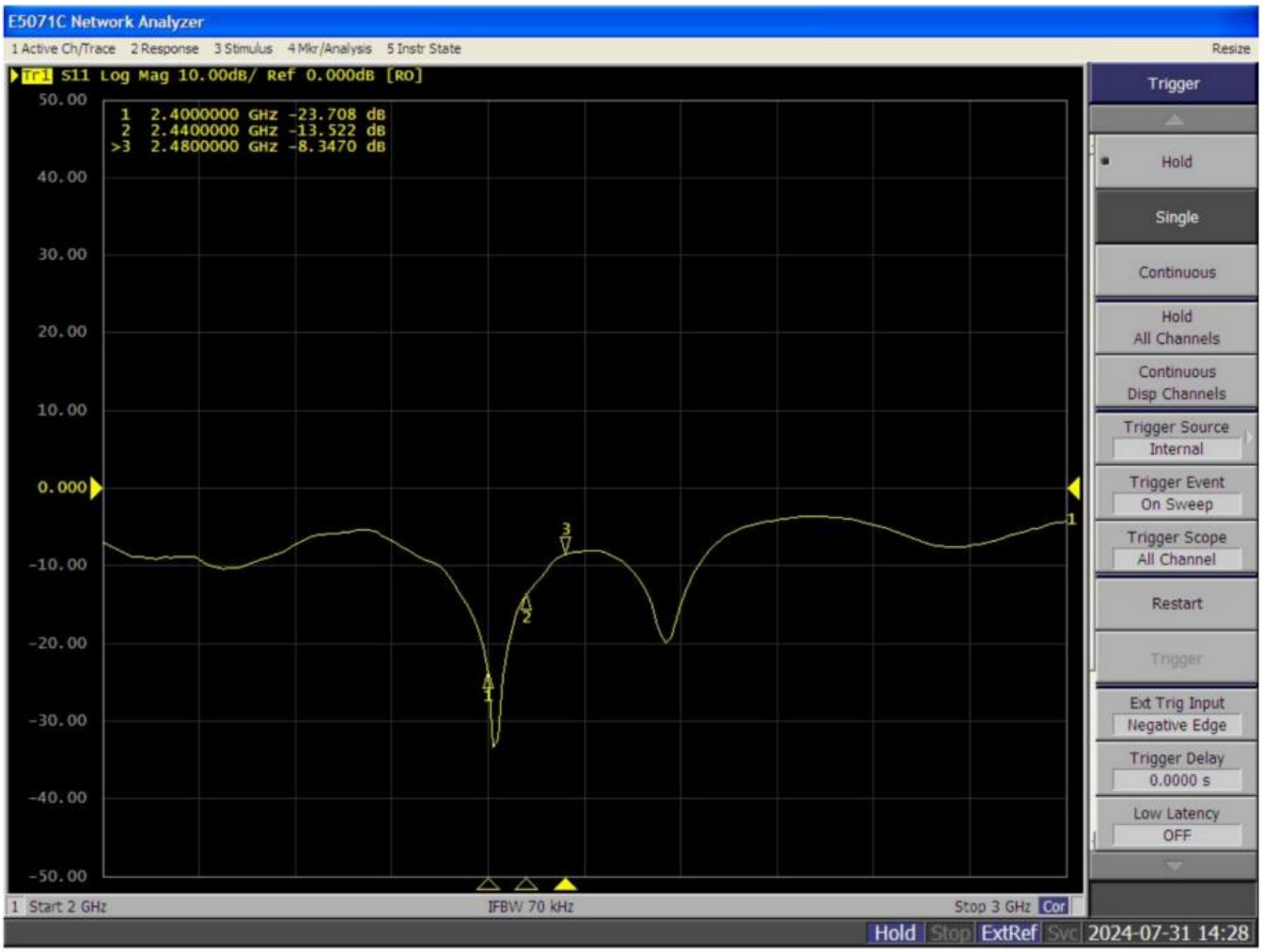


Frequency (MHz)	VSWR	Impedance (Ω)
2400	1.42	68.35
2440	1.27	39.95
2480	2.29	31.9

5.Impedance

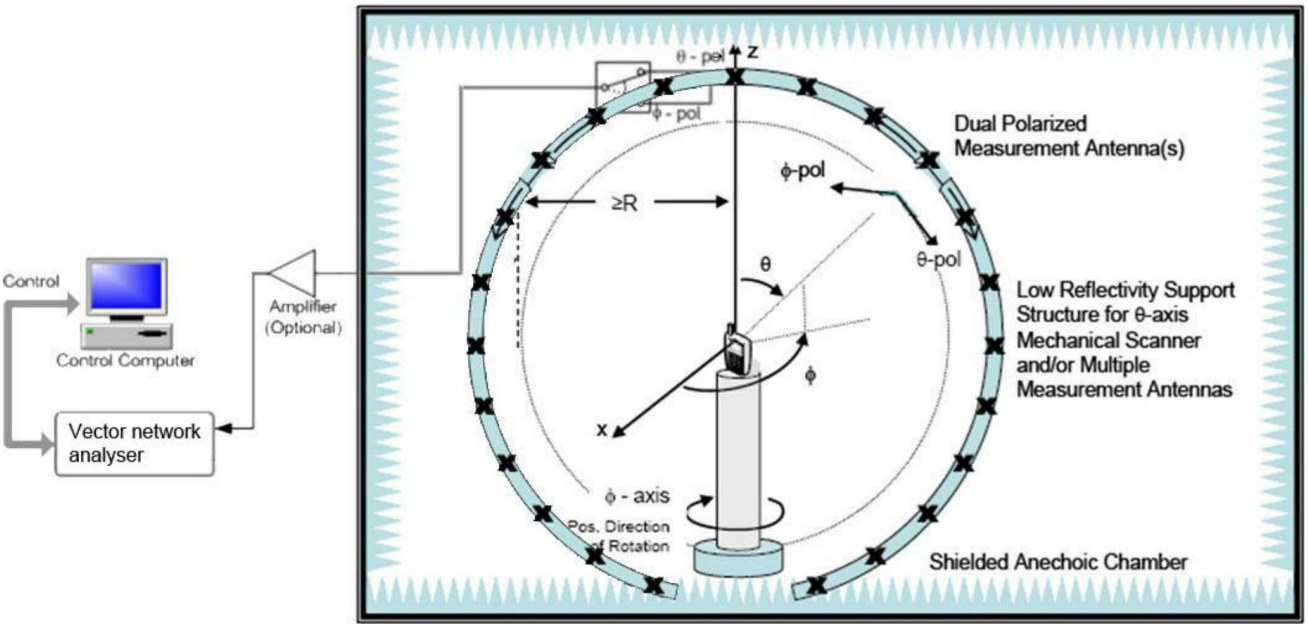


6.Return Loss



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

Antenna manufacturer company name：

Shenzhen Linisco Technology Co., Ltd.

Antenna Manufacturer Address：

Room A1310, Building 2, Skyworth Innovation Valley, No.8 Tangtou 1st Road, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, China