

ANT Specification

客 户

CUSTOMER: Shenzhen Longjunda Technology Co., Ltd.

型 号

MODEL NO: FPC ANT

规 格

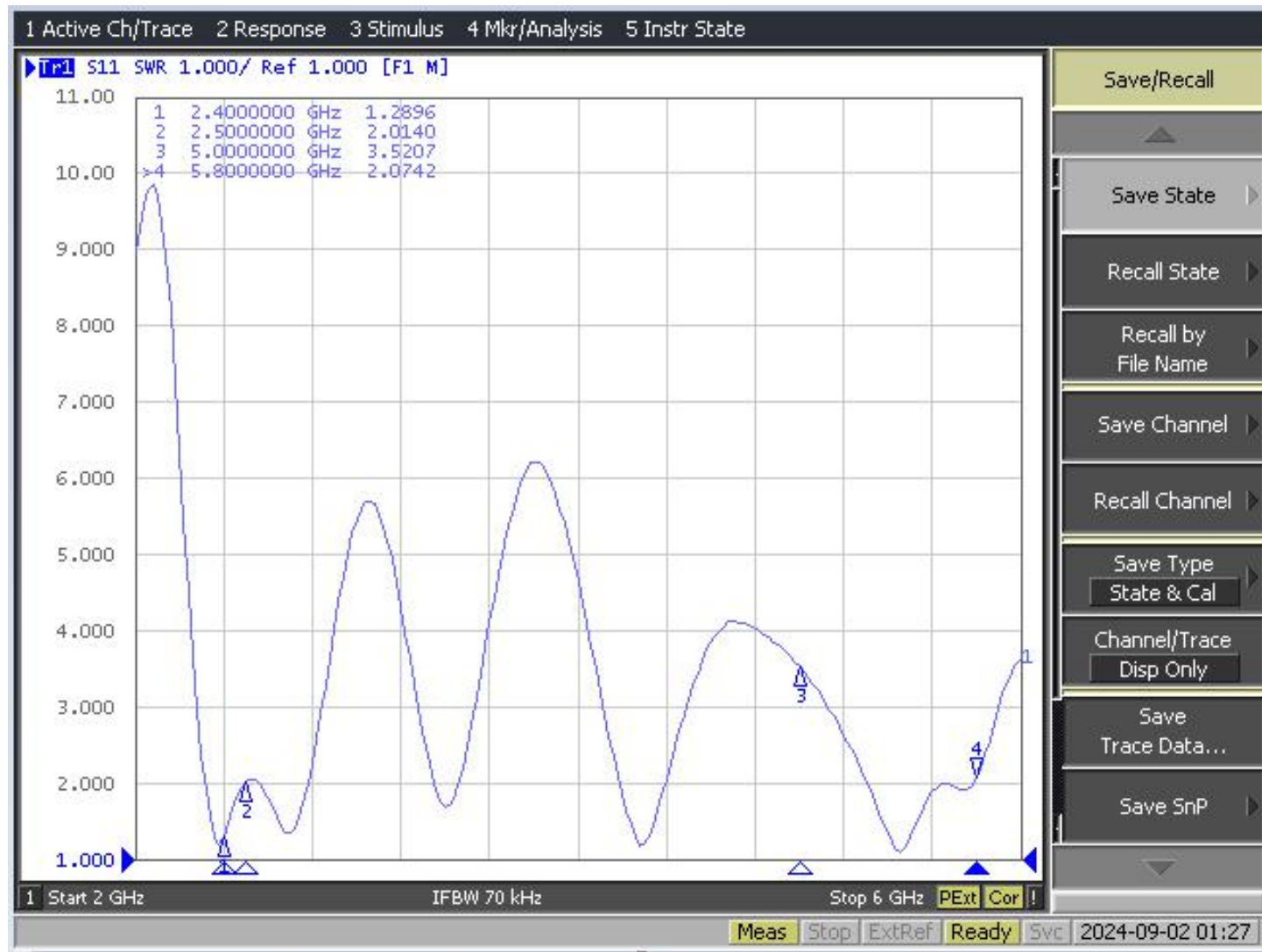
SENSITIVITY: WIFI-L-V1.0 WIFI-R-V1.0

备 样 PREP	颜 焕
审 核 CHKD	张海洋
日期 DATE	2026.3.16

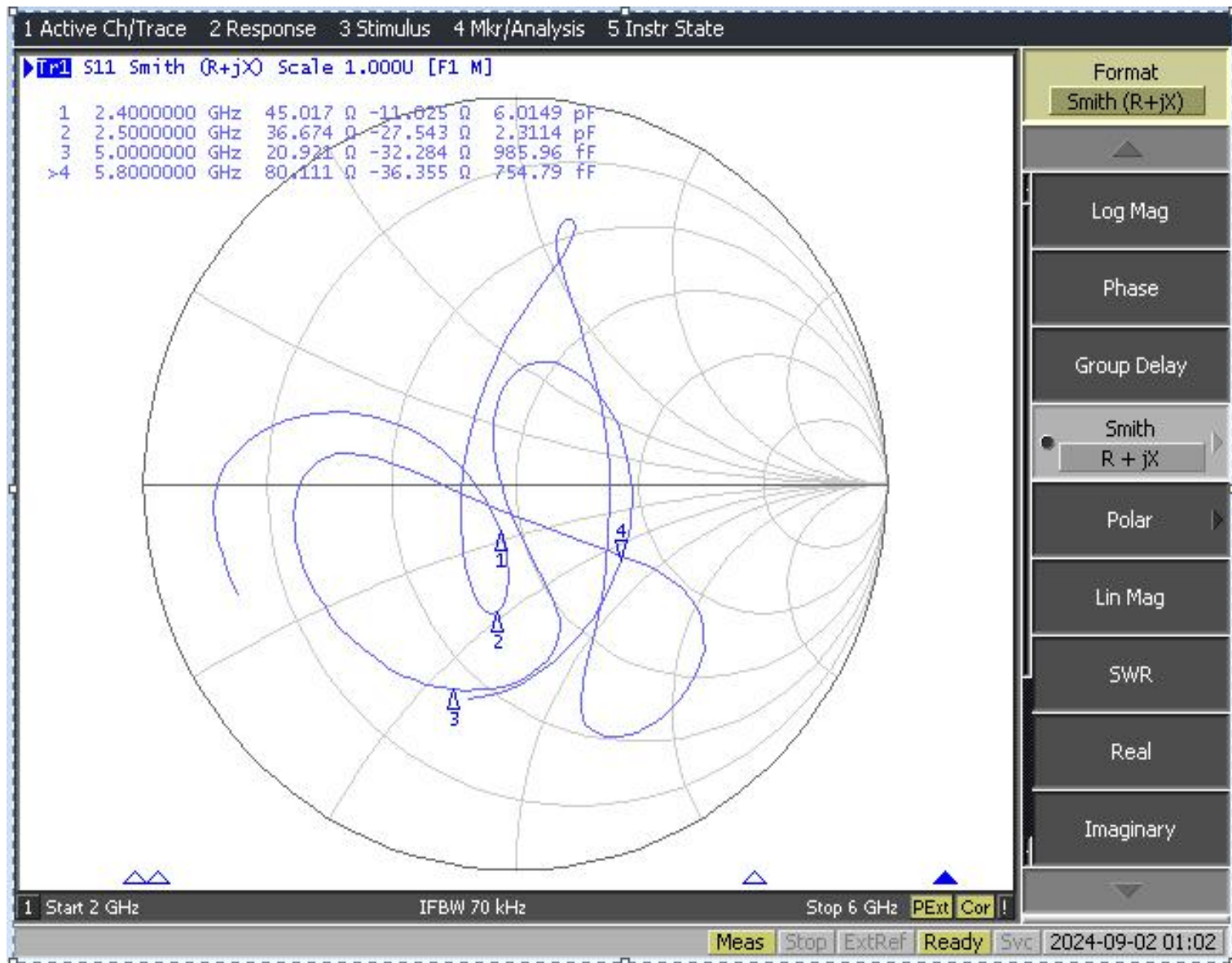
Shenzhen Junyu Communication Equipment Co., Ltd.

Address: Room 506, Qiurui Creative Park, No. 4, Bayue 1st Street, Shuijing Community, Jihua Street, Longgang District, Shenzhen

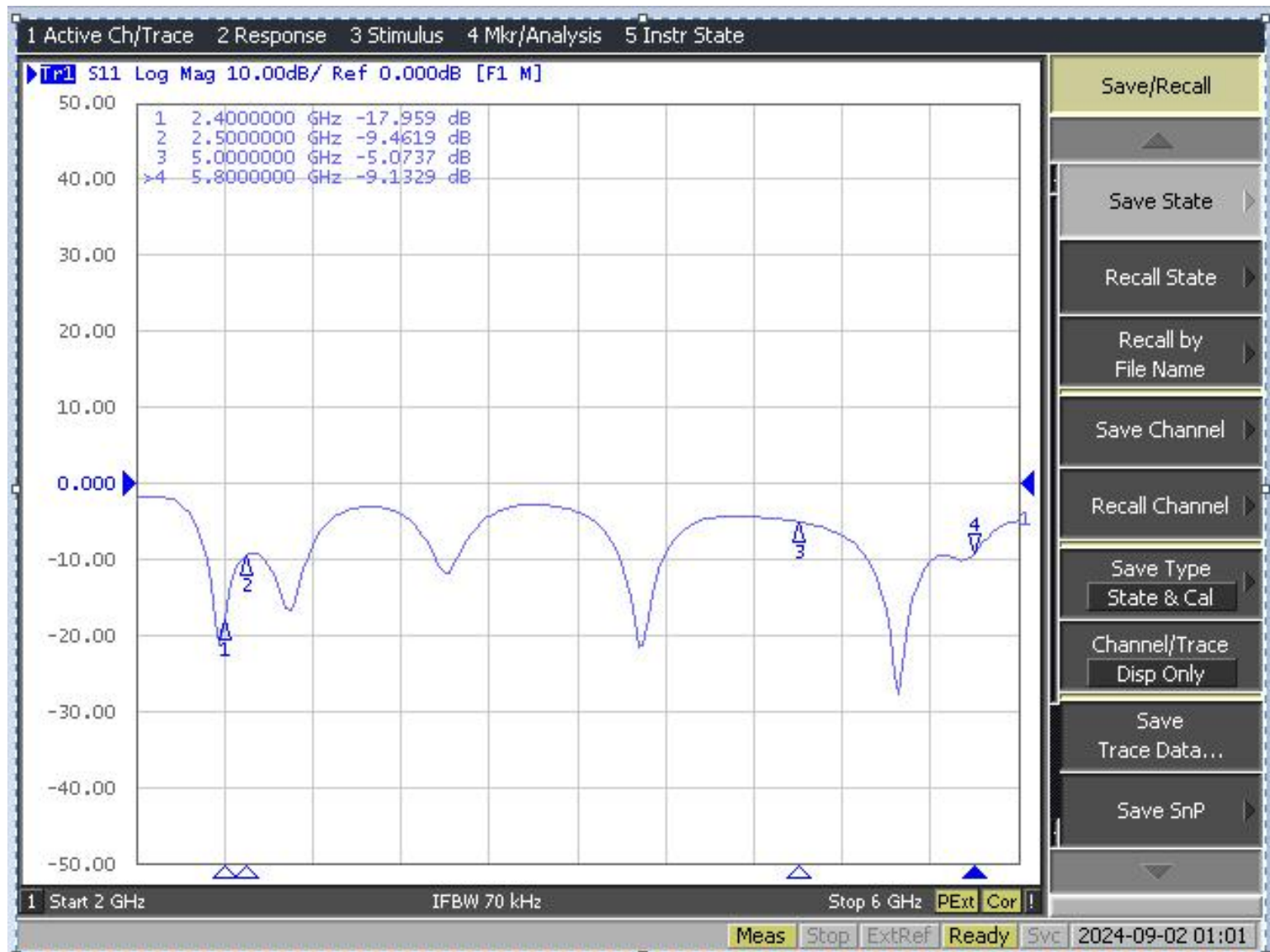
III R Antenna passive standing wave diagram



IV R Antenna passive Smith chart



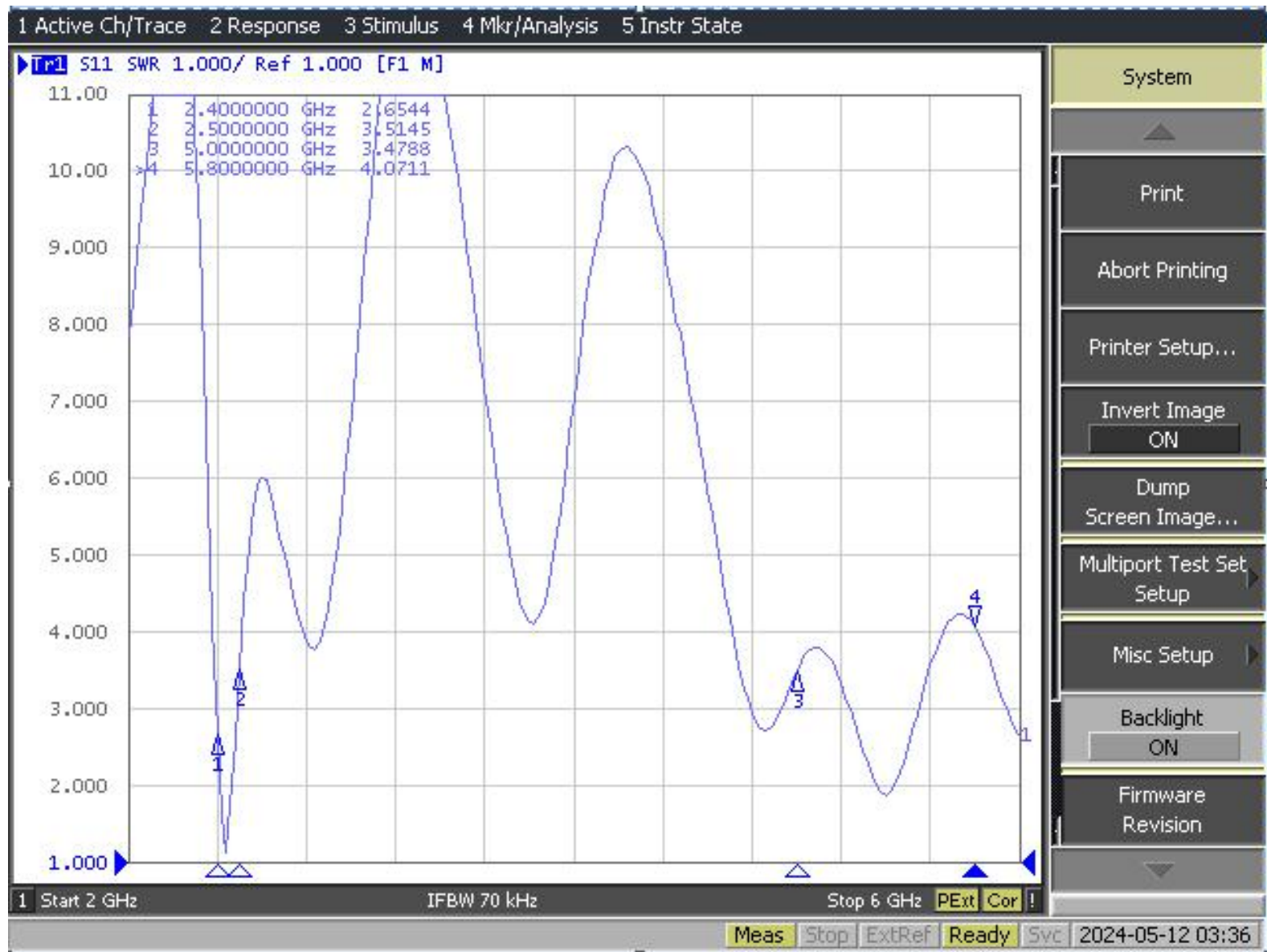
V R Antenna passive return loss diagram



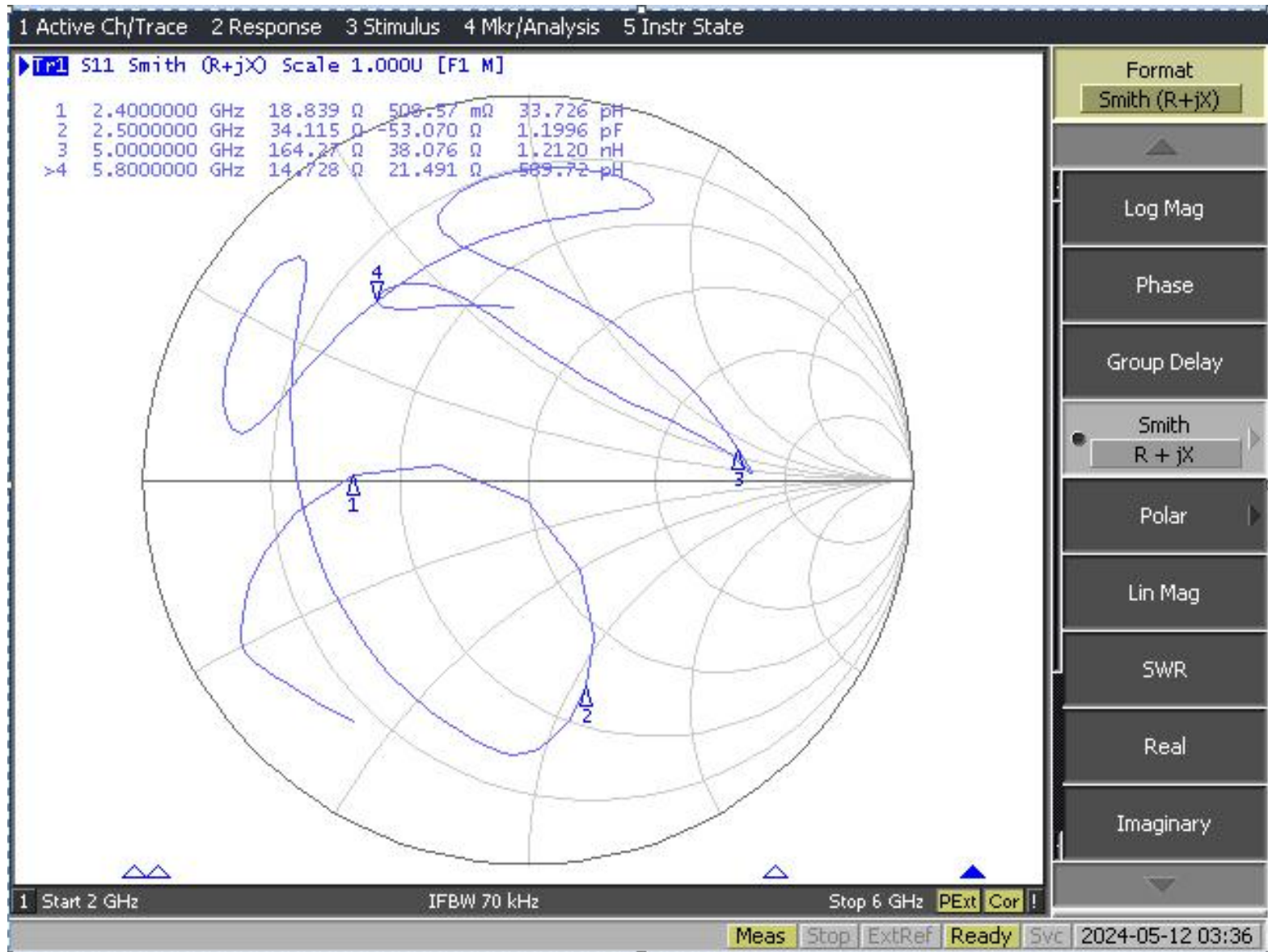
VI R Antenna passive gain efficiency

	A	B	C	D	E	F
1	Freq	Effi	Gain	Freq	Effi	Gain
2	(MHz)	(%)	(dBi)	(MHz)	(%)	(dBi)
3	2400	62.86	1	5000	51.15	-0.32
4	2410	65.67	1.1	5050	47.97	-0.64
5	2420	69.43	1.3	5100	57.74	0.12
6	2430	67.09	1.19	5150	59.03	0.26
7	2440	61.68	0.88	5200	60.17	0.58
8	2450	66.88	1.33	5250	57.03	0.27
9	2460	65.24	1.28	5300	60.06	0.87
10	2470	54.62	0.6	5350	59.98	1.35
11	2480	56.06	0.74	5400	77.33	2.38
12	2490	57.73	0.99	5450	66.17	1.69
13	2500	53.32	0.73	5500	70.98	2.05
14				5550	66.01	1.88
15				5600	78.25	2.64
16				5650	79.67	2.51
17				5700	76.96	2.29
18				5750	76.58	1.72
19				5800	72.47	1.11
20				5850	78.83	1.35

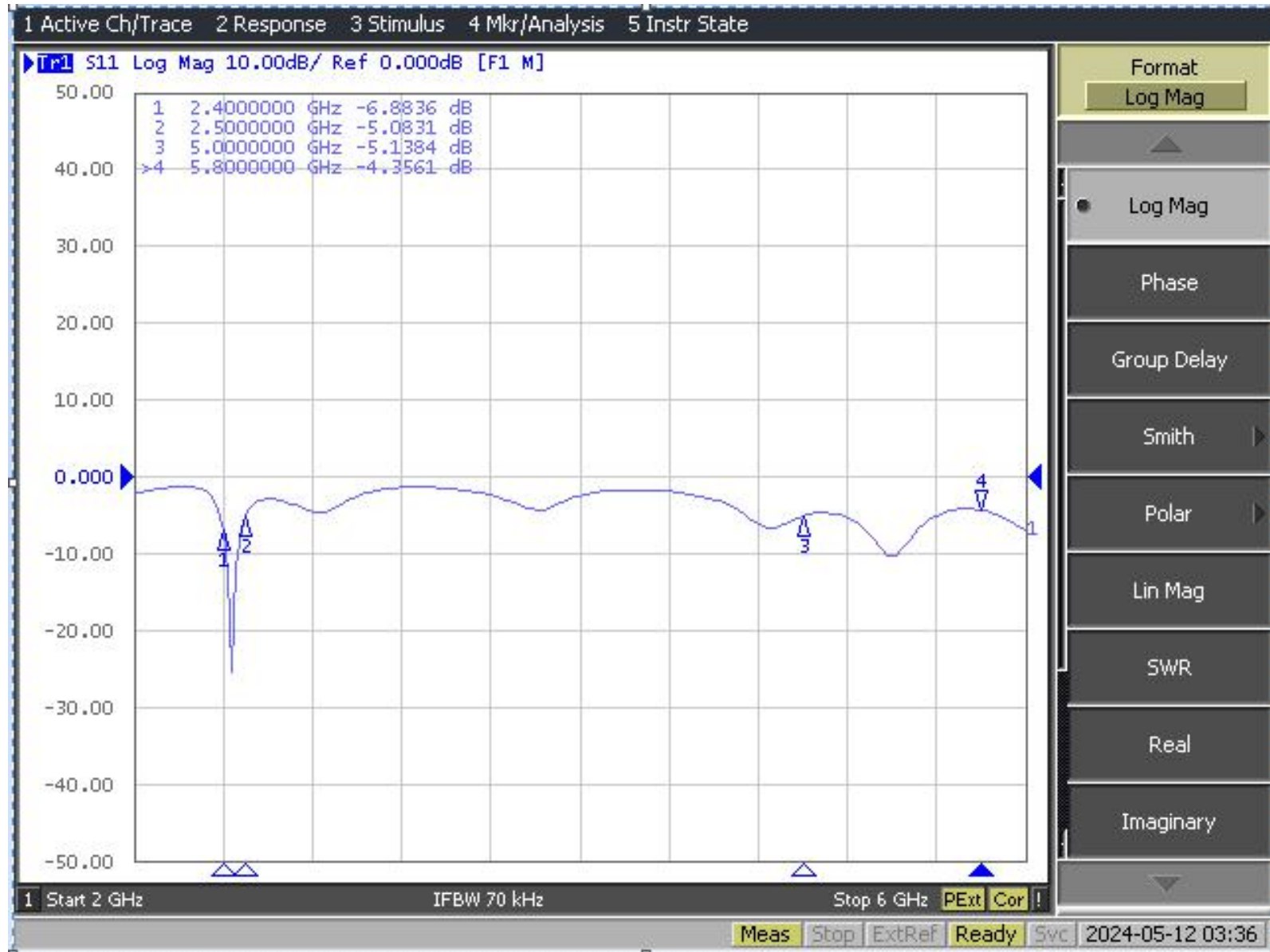
VII L Antenna passive standing wave diagram



VIII L Antenna passive Smith chart



IX L Antenna passive return loss



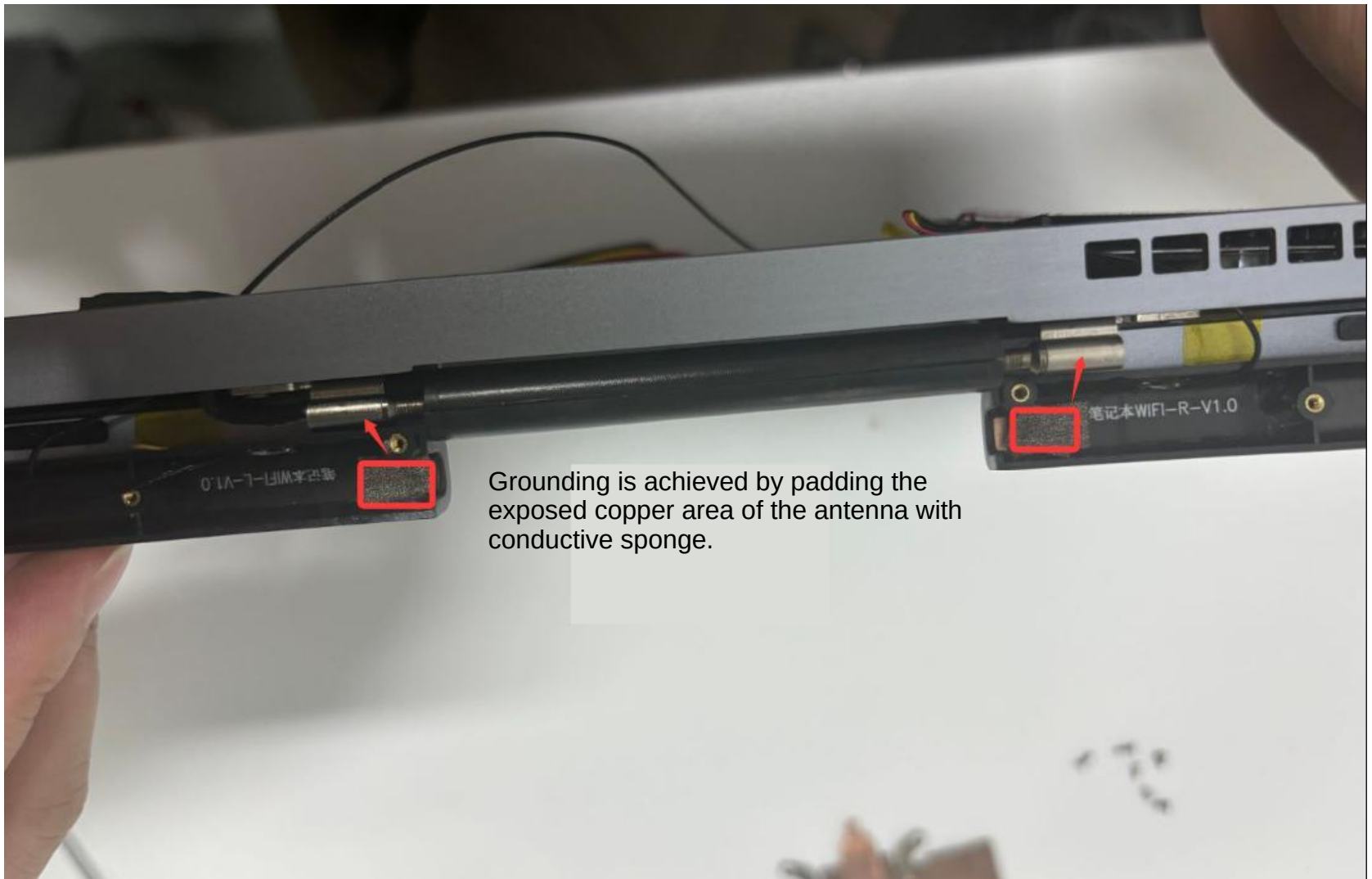
X L Antenna passive gain efficiency

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	54.35	1.4	5000	53.37	2.47	5970	44.24	0.7
2410	55.46	1.51	5050	46.93	2.43	6020	43.8	0.66
2420	50.38	1.11	5100	48.65	3	6070	45.52	1.23
2430	47.15	0.96	5150	55.51	3.8	6120	46.38	1.43
2440	46.48	1.02	5200	51.9	3.69	6170	42.77	1.22
2450	48.2	1.33	5250	42.53	2.9	6220	43.4	1.13
2460	49.73	1.51	5300	45.85	3.15	6270	45.72	1.15
📡 2470	49.38	1.47	5350	58.44	4.19	6320	49.31	1.49
2480	48.27	1.38	5400	56.13	4.3	6370	47	1.73
2490	46.02	1.21	5450	46.9	3.92	6420	44.77	1.62
2500	45.36	1.2	5500	58.83	5.16	6470	49.7	1.56
			5550	61.34	5.34	6520	52.21	1.74
			5600	54.53	4.65	6670	45.4	1.65
			5650	64.85	5.23	6720	55.72	2.03
			5700	76.23	5.71	6770	56.1	2.11
			5750	63.74	4.79	6820	54.61	2.09
			5800	61.01	4.48	6870	51.88	1.78
			5850	65.57	4.76	6920	53.44	2.06
			5900	56.3	4.2			

XI. Active test data

Band		TRP/ TIS	L	M	H
2.4G	11b (11M)	TRP	14.09	14.62	14.94
		TIS	-81.22	-81.15	-81.39
	11g (54M)	TRP	12.24	12.38	12.65
		TIS	-70.36	-70.18	-70.72
	11n (MCS7)	TRP	12.14	12.28	12.50
		TIS	-68.07	-68.19	-67.98
5.8G WIFI (A-54M)		TRP	13.06	13.45	13.78
		TIS	-71.68	-71.52	-71.61

XII. Environmental treatment



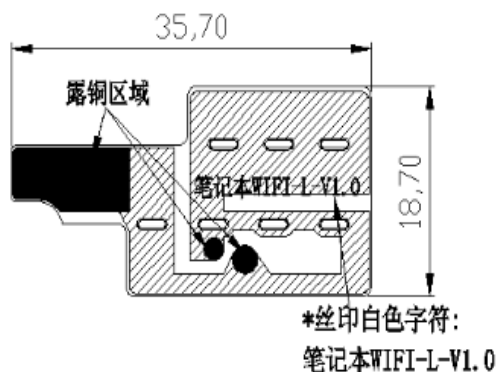
Grounding is achieved by padding the exposed copper area of the antenna with conductive sponge.

XIII. Note

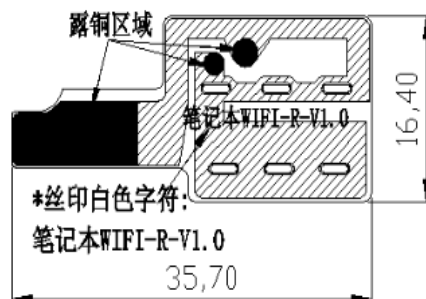
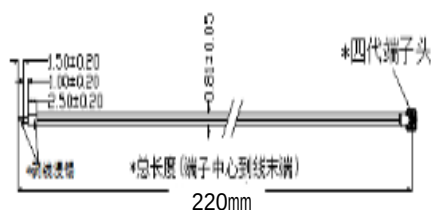


RoHS Compliant

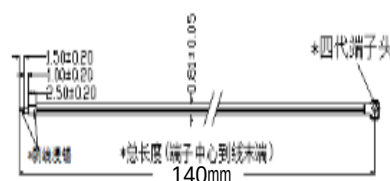
REV	DESCRIPTION	DATE	APPROVED
A0			



笔记本左右WIFI-L同轴线(单银, 黑色线皮)



笔记本左右WIFI-R同轴线(单银, 黑色线皮)



要求:

1. 线材外被无破皮, 损伤
2. 成品须100%测试导通OK
3. 成品须100%全检OK.
4. 采用环保制程, 符合ROHS要求.
5. 端子拉力: 1.5KG~.
6. 未注公差请以一般公差为准.

测试条件:

高压: 200V DC
导通: 0.5 OHM MAX
高压时间: 1mS
绝缘阻抗: 10M OHM MIN

长度单位: mm



一般公差 (GENERAL TOLERANCES)

尺寸 (Dimension)	公差 (Tolerance)	角度 (Angles)	公差 (Tolerance)
0-1	±0.1	1°	±1°
1-10	±0.3	1.5°	±0.5°
10-30	±0.8		
30-100	±1		
100-300	±2		

(UNLESS OTHERWISE SPECIFIED)

版本 (REV) A0	图样名称 (Draw Name) 轴立图	客户料号 (CUS No.)
比例 (Scale)	产品名称 (Product Name) OPEN-FPC-0.81黑-L185MM	产品料号 (Product No.)
图号 (Draw Name) 轴立图	单位 (UNIT) mm	幅面 (Size) A4
审核 (Checked)	页/次 (Sheet) 1/1	图样日期 (Original Date) 2021.8.30
核准 (APPROVED)		

No.	Name	Description	Q'ty	Part No.
2	FPC板	L34.5*7*0.26黑色FPC板	1	1601-0034
1	线材	0.81黑-48-锡-FEP	1	1301-0004