



永辅通科技（上海）有限公司

Yongfutong Technology (ShangHai) Co.,LTD..

测试报告书

Test report



永辅通科技（上海）有限公司 Forten Technology (ShangHai) Co.,LTD..



永辅通科技（上海）有限公司

Yongfutong Technology (Shang Hai) Co.,LTD..

概述

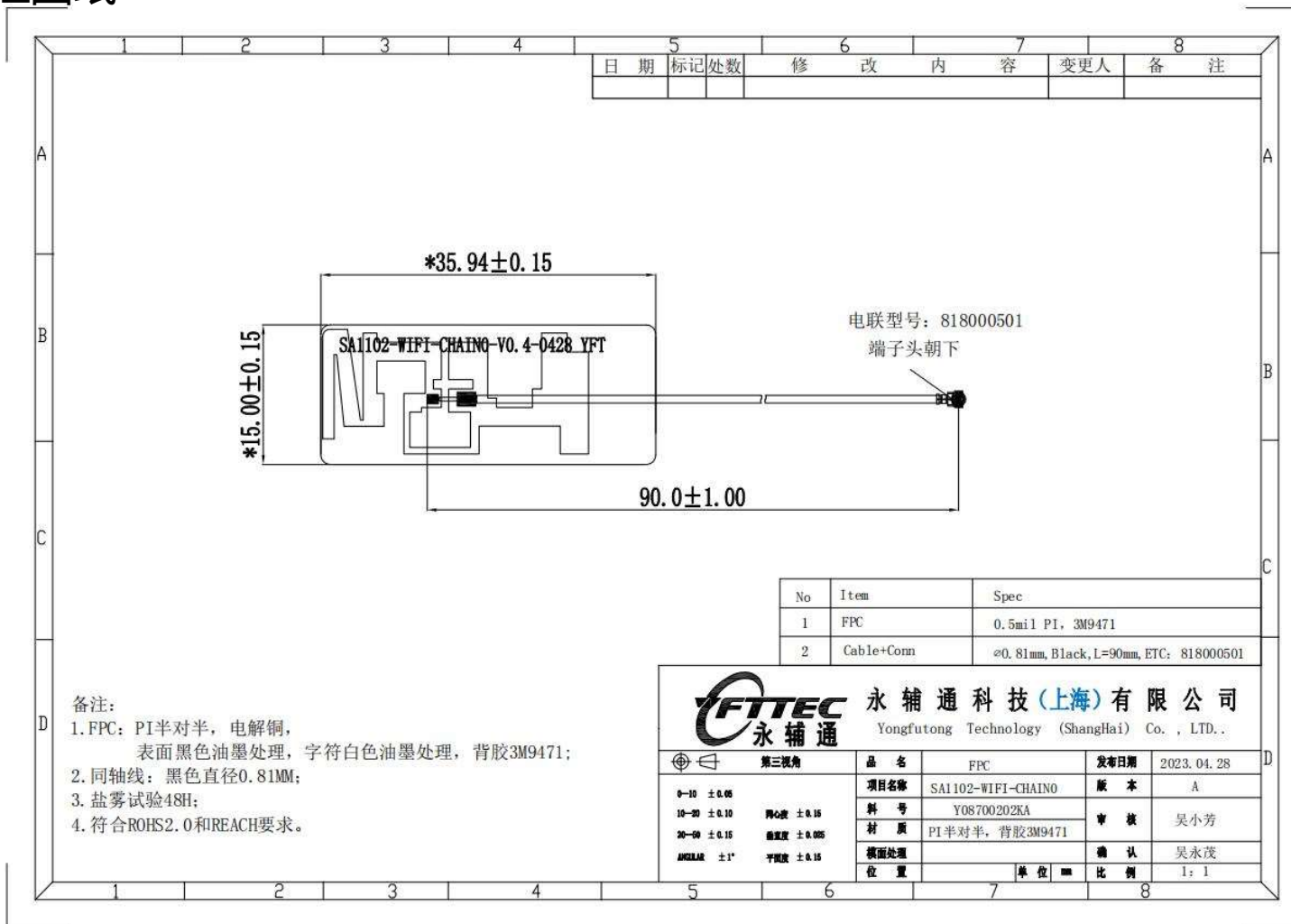
客户名称		舜为	项目名称	SA1102
NO.	ITEMS	DETAILS		
1	频段范围	WIFI:2.4-2.5GHz;5-5.8GHz BT:2.4-2.5GHz GPS: 1575MHZ		
2	项目类型	眼镜主机		
3	可用天线空间	WIFI、BT：侧面 GPS：支架		
4	馈点形式	PFC+线		
6	天线名称	SA1102-WIFI-CHAIN0 SA1102-WIFI-CHAIN1 SA1102-BT SA1102-GPS		
7	备注			



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天线工程图纸：SA1102-WIFI-CHAIN0

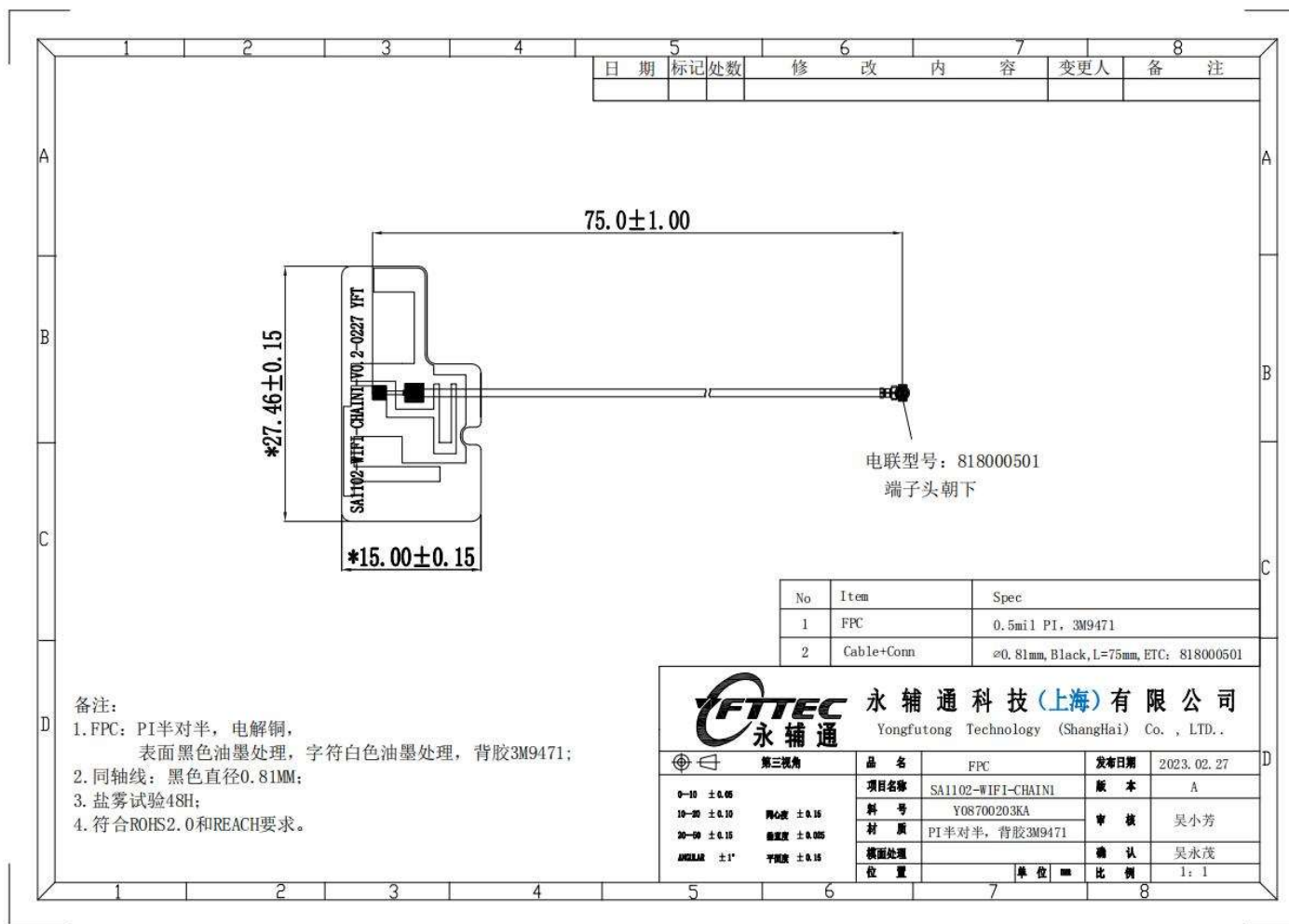




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天线工程图纸：SA1102-WIFI-CHAIN1

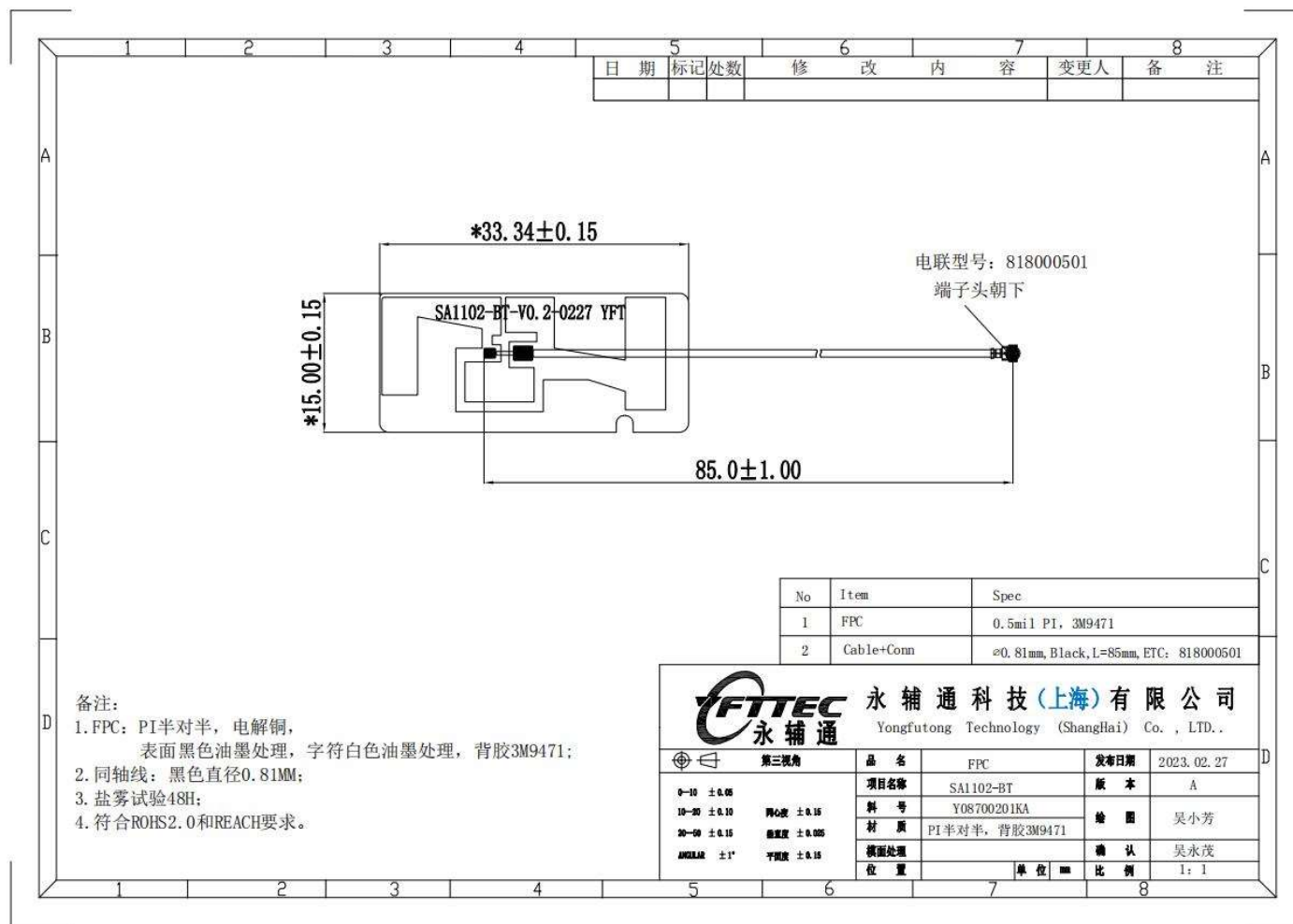




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天线工程图纸：SA1102-BT

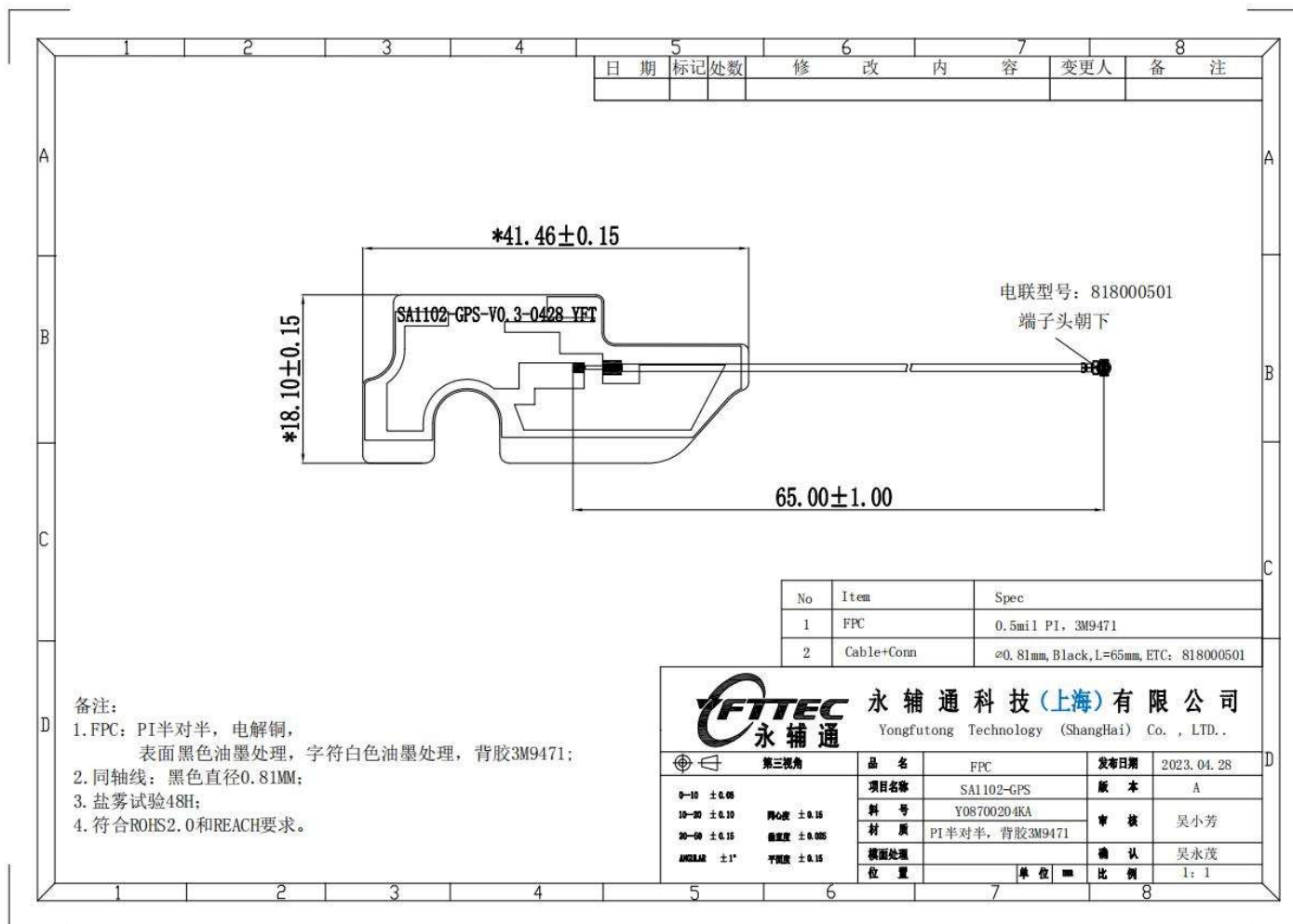




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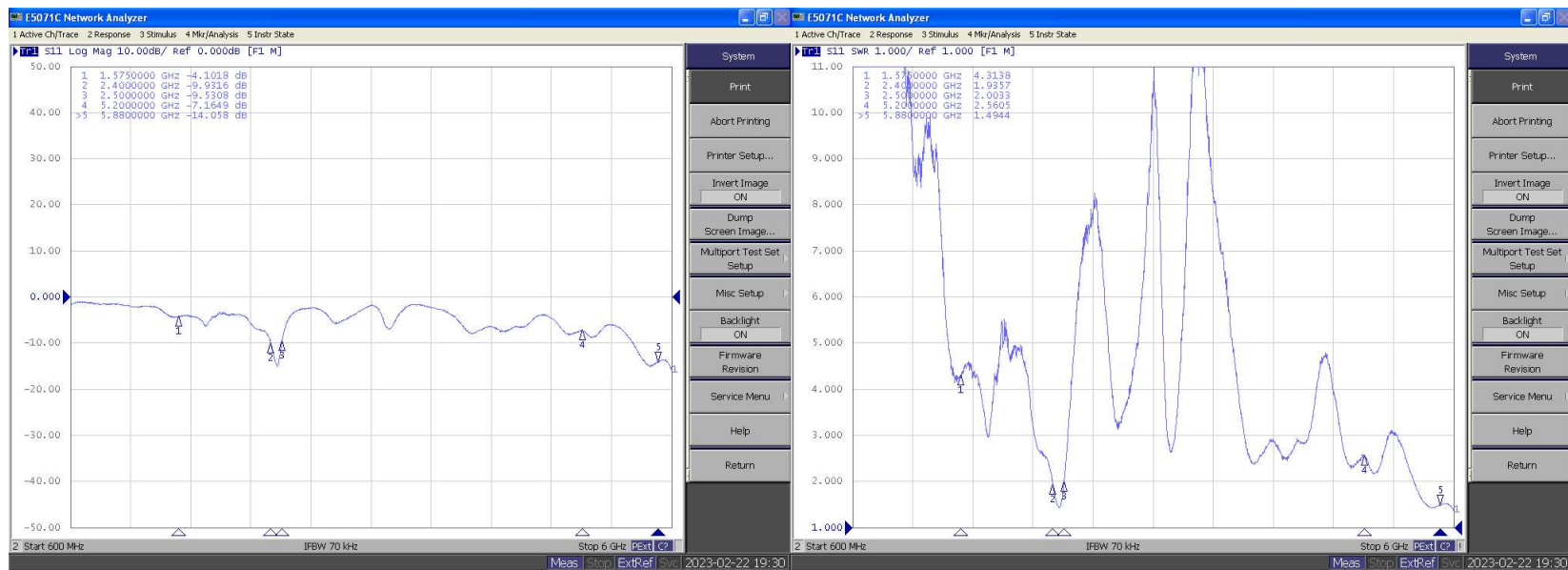
天线工程图纸：SA1102-GPS



1.1 SA1102-WIFI-CHAIN0

Returnloss

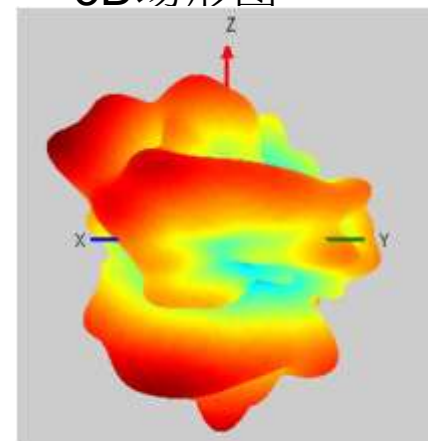
VSWR



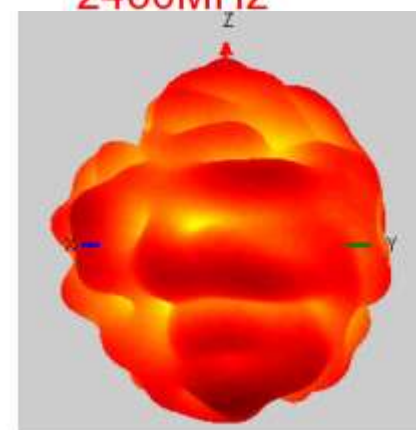
1.2 : EFFi: SA1102-WIFI-CHAIN0

Gain&Efficiency 增益和效率			Gain&Efficiency 增益和效率		
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)
2400	3.31	41.03	5000	1.19	28.99
2410	4.01	45.76	5050	1.67	33.49
2420	4.1	45.27	5100	2.16	36.15
2430	4.07	43.76	5150	1.73	33.06
2440	4.15	44.72	5200	2.03	36.10
2450	3.86	42.21	5250	1.6	32.12
2460	3.89	43.93	5300	2.03	36.50
2470	3.57	40.82	5350	2.05	37.85
2480	3.33	47.72	5400	1.77	33.49
2490	3.26	46.00	5450	2.46	36.05
2500	2.87	41.08	5500	2.4	31.13
			5550	3.03	32.75
			5600	3.27	37.83
			5650	3.14	41.65
			5700	3.05	46.00
			5750	5.42	44.88
			5800	5.91	42.67
			5850	5.96	39.36
			5900	5.9	36.77

3D场形图



2450MHz



5500MHz

2.1 SA1102-WIFI-CHAIN1

Returnloss

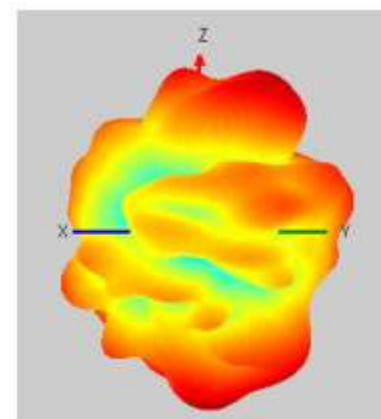
VSWR



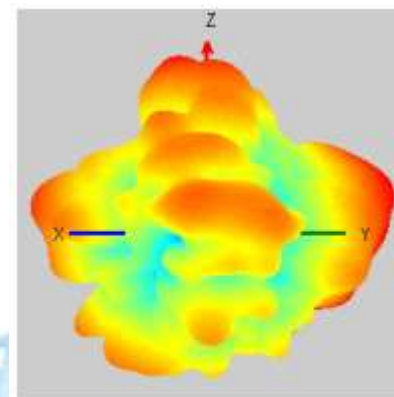
2.2 : EFFi: SA1102-WIFI-CHAIN1

Gain&Efficiency 增益和效率			Gain&Efficiency 增益和效率		
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)
2400	5.07	40.46	5000	3.62	36.21
2410	5.51	47.24	5050	4.27	42.77
2420	5.14	43.93	5100	4.76	45.90
2430	4.95	43.65	5150	3.91	38.96
2440	4.94	45.45	5200	3.85	37.01
2450	4.65	43.57	5250	3.14	29.46
2460	4.68	47.47	5300	3.88	31.46
2470	4.45	46.83	5350	4.9	33.17
2480	4.17	45.58	5400	5.22	31.31
2490	4.4	48.09	5450	5.97	36.16
2500	4.28	46.17	5500	5.87	33.15
			5550	5.94	34.85
			5600	5.95	38.49
			5650	5.19	37.16
			5700	4.59	36.06
			5750	3.27	32.74
			5800	1.9	29.22
			5850	1.98	25.99
			5900	1.91	24.33

3D场形图



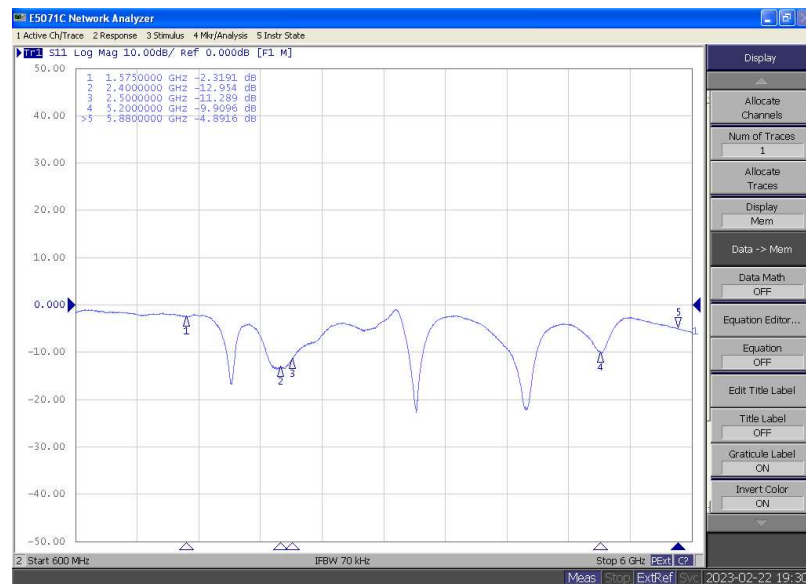
2450MHz



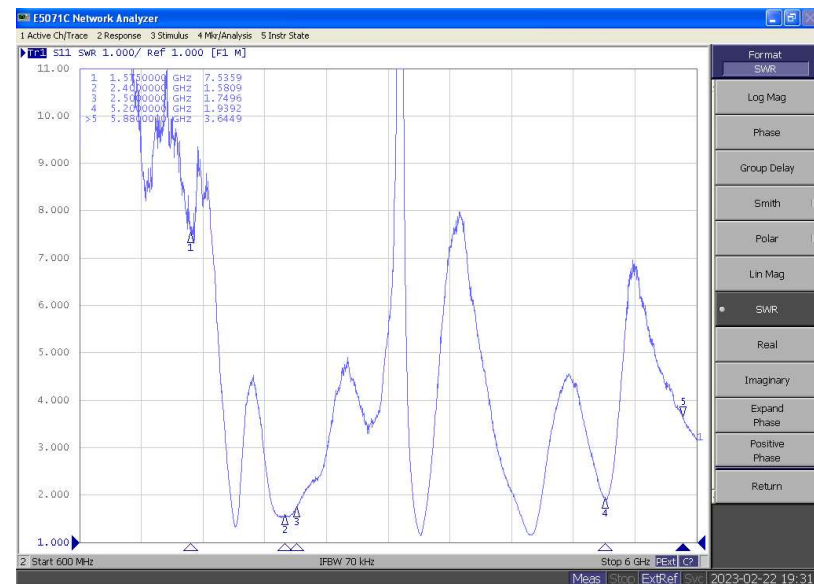
5500MHz

3.1 SA1102-BT

Returnloss



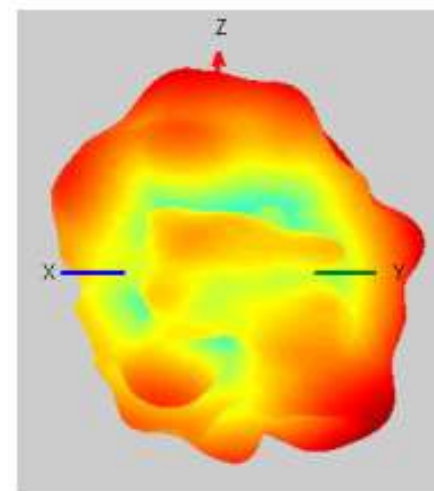
VSWR



3.2; EFFi: SA1102-BT

3D场形图

Gain&Efficiency 增益和效率		
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)
2400	4.87	46.03
2410	4.99	46.70
2420	5.11	49.21
2430	4.9	48.12
2440	4.95	48.86
2450	5.08	48.18
2460	5.39	49.48
2470	5.68	41.06
2480	5.61	40.53
2490	5.42	49.33
2500	5.39	40.19



2450MHz

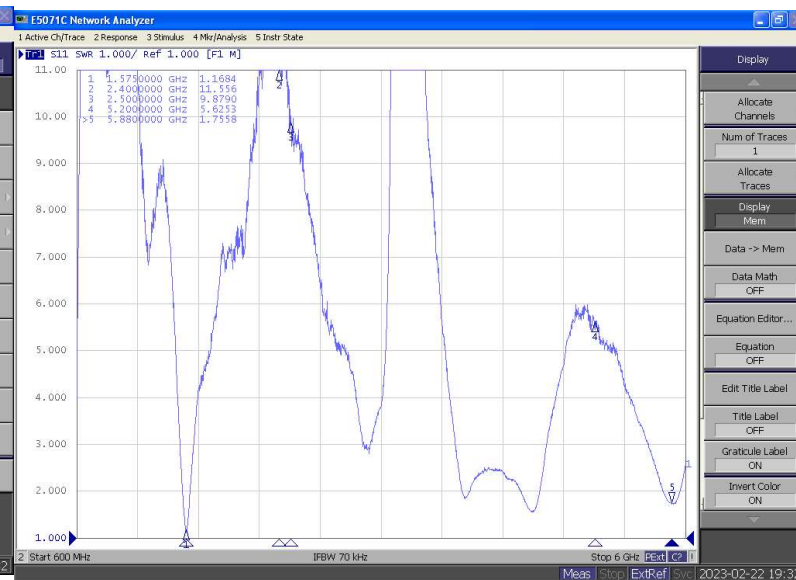


4.1 SA1102-GPS

Returnloss



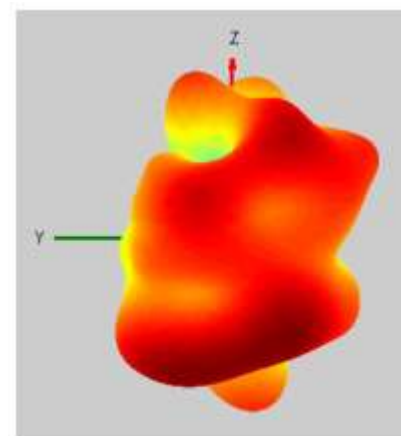
VSWR



4.2 : EFFi: SA1102-GPS

3D场形图

Gain&Efficiency 增益和效率		
frequency 频率(MHz)	efficiency 效率(dBi)	efficiency 效率(%)
1545	-3.07	42.36
1555	-2.65	44.28
1565	-2.29	49.06
1575	-2.27	49.23
1585	-2.67	44.03
1595	-3.07	43.33
1605	-3.42	42.51



1575MHz





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WIFI\GPS天线: TRP、TIS

	rate速率		11b_11M			11a_54M		
WIFI	Band		Wifi 2G TRP			Wifi 5G TRP		
	Channel		1	7	11	36	64	165
	Frequency(MHz)		2412	2442	2462	5180	5320	5825
	Chain0	TRP(dBm)	15.26	14.2	14.2	11.56	11.45	11.81
		TIS(dBm)			-82.91			-72.52
	Chain1	TRP(dBm)	15.05	14	14.02	11.43	11.12	10.71
		TIS(dBm)			-82.38			-72.48
GPS	TIS(dbm)		-144.56					



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Thanks for your comment!

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