

深圳市沃莱特电子有限公司

样品承认书

SAMPLE APPROVAL SHEET

客户 (Customer)	
部品名称 (Material Description)	GW-F18
客户料号 (Customer's Part number)	
部品规格 (Specifications)	FR4 (40.5*16.5*0.2mm) 1.13*40mm)
料号 (Supplier's Part number)	01-05-001-000057
送样日期 (Date)	2026-1-22

签核:

拟制 Prepared By	审核 Checked By	批准 Approved By

客户签核:

承认 Accepted By	审核 Checked By	批准 Approved By
☐ 完全接受 (Full Approval) ☐ 条件接受 (Conditional Approval) ☐ 不合格 (Unqualified) ☐ 其它 (Others):		

深圳市沃莱特电子有限公司

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1、规格 specification



1 天线 antenna



2 天线粘贴位置 antenna position



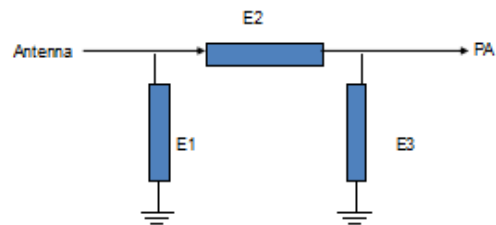
3 整机装配图

Assembly drawing of the complete machine

1.1 电气规格标准
electrical specification

天线 antenna	GW-F18
频段 frequency band	2400-2500MHz 5150-5850MHz
效率 efficiency	> 50%
阻抗 impedance	50 ohm

1.1.2 匹配电路图 match circuit



Element	Value
E1(0402)	NG
E2(0402)	0R
E3(0402)	NG

2、测试 test

2.1 无源 S11 的测试 passive S11 testing

(MHz)	2400	2440	2480	5150	5500	5850
Return Loss	-20.34	-17.32	-13.21	-36.47	-14.32	-11.61



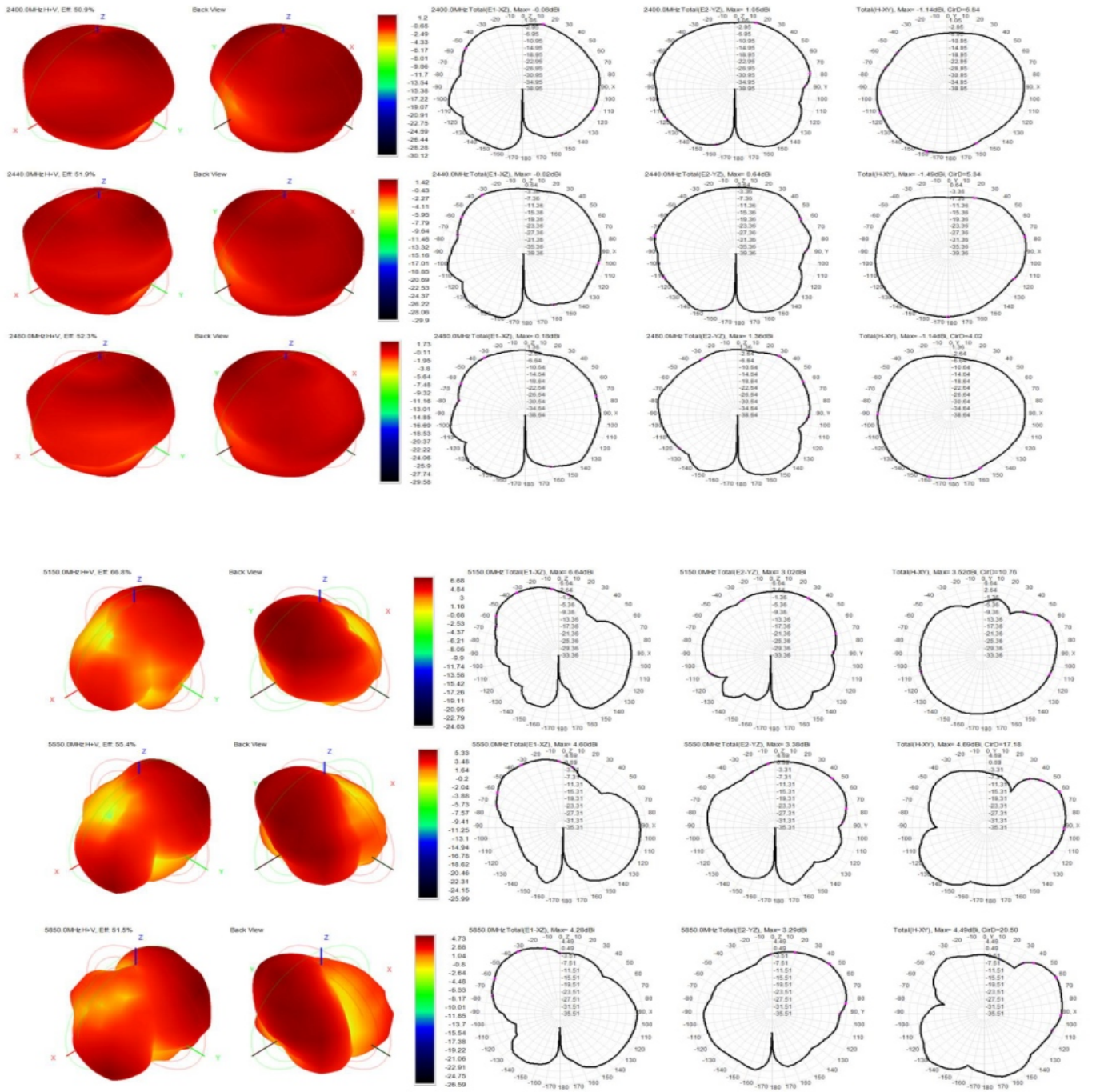
2.2 增益及效率的测试 GAIN TEST

400MHz—6GHz

Frequency(MHz)	Gain(dBi)	Efficiency(%)
2400	1.2	50.90%
2410	1.25	51.50%
2420	1.33	52.40%
2430	1.35	52.30%
2440	1.42	51.90%
2450	1.48	52.00%
2460	1.51	51.70%
2470	1.66	52.20%
2480	1.73	52.40%
2490	1.86	52.60%
2500	1.78	52.80%

Frequency(MHz)	Gain(dBi)	Efficiency(%)
5150	6.68	66.90%
5200	6.41	67.30%
5250	6.51	65.30%
5300	6.3	58.00%
5350	6.25	58.40%
5400	6.29	54.70%
5450	6.12	52.80%
5500	5.61	53.00%
5550	5.33	55.40%
5600	5.33	53.30%
5650	5.09	56.50%
5700	5.12	56.40%
5750	4.96	54.90%
5800	4.87	50.90%
5850	4.73	51.70%

2.2.4 无源辐射方向图 DIRECTIONAL DIAGRAM



2.3 OTA test

WIFI b 11M	Channel	TRP(dBm)	TIS(dBm)
	1	20.51	-85.67
	6	19.25	-83.98
	11	19.66	-85.37
WIFI g 54M	Channel	TRP(dBm)	TIS(dBm)
	1	15.56	-73.58
	6	14.33	-72.07
	11	14.54	-70.21
WIFI n MCS7	Channel	TRP(dBm)	TIS(dBm)
	1	15.23	-69.42
	6	14.57	-65.67
	11	14.86	-65.82
WIFI 11a 54M	Channel	TRP(dBm)	TIS(dBm)
	36	14.84	-71.63
	149	13.21	-71.96
	165	13.96	-72.52
WIFI 11ac MCS7	Channel	TRP(dBm)	TIS(dBm)
	36	14.02	-69.23
	149	12.98	-69.59
	165	13.77	-70.12

4、产品结构图 structure chart

