

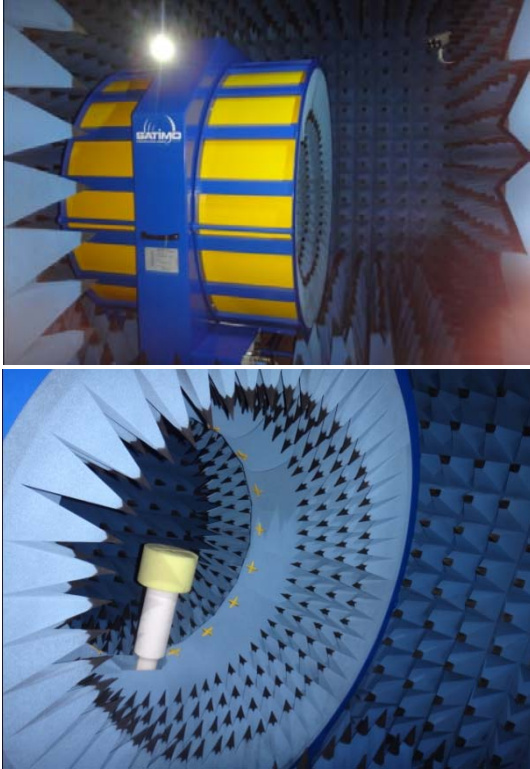
测试报告



客户名称	吉祥星	项目名称	V5
调试频段	WIFI 2.4-2.5G 5.7-5.8G	结构方式	FPC
射频工程师	吴朝坤	结构工程师	李森
天线类型	PIFA	日期	20180614

深圳市安弗特电子有限公司

AFT tech Electronic Co., Ltd. (Shenzhen)



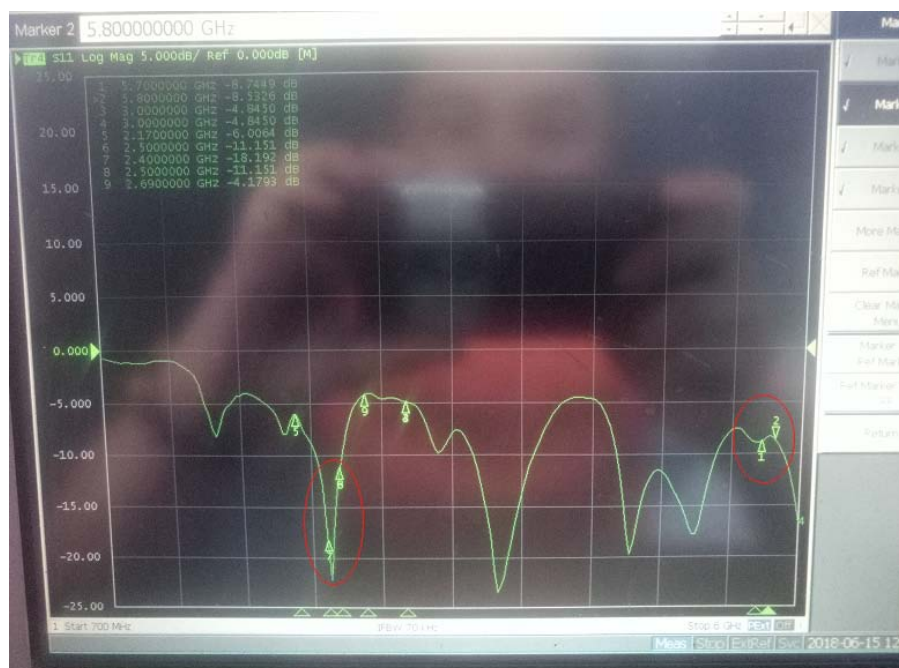
原装进口法国 SATIMO 公司 StarLab 3D 实验室, 能精确快速的测试手机、平板电脑和笔记本等通信终端产品的 TRP、TIS、效率、增益、苹果图、方向图等参数数据。

深圳市安弗特电子有限公司
AFT tech Electronic Co., Ltd. (Shenzhen)

报告版本提要

版本	日期	内容概况
V1	20180611	样品测试
V2	20180614	样品优化

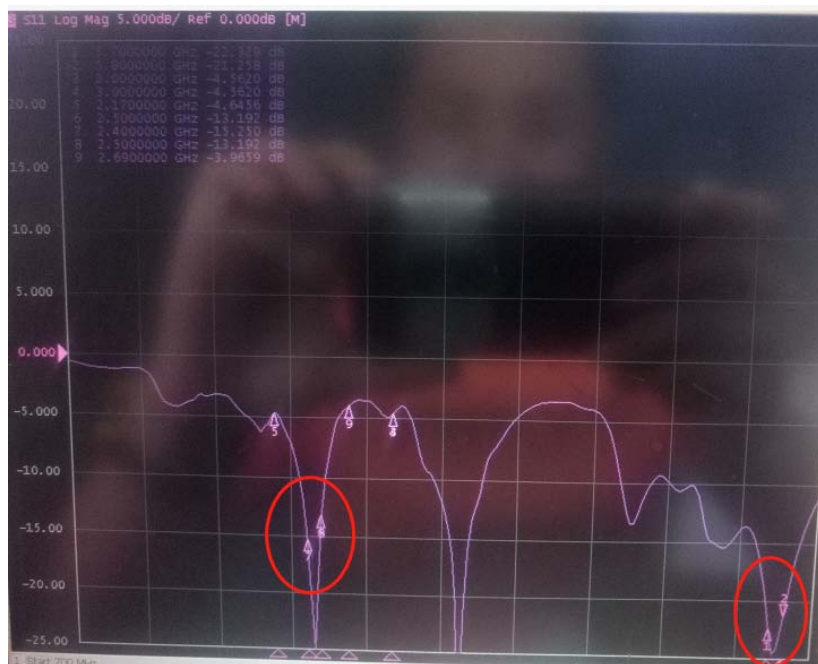
优化前 S11 参数



优化前无源效率测试

2.4E+09	39%	-4.1107	5.7E+09	37%	-4.3545
2.4E+09	39%	-4.0576	5.7E+09	37%	-4.3601
2.4E+09	40%	-4.0232	5.7E+09	36%	-4.3867
2.4E+09	40%	-3.9906	5.7E+09	36%	-4.4265
2.4E+09	40%	-3.982	5.7E+09	36%	-4.4534
2.4E+09	40%	-3.9882	5.7E+09	36%	-4.4507
2.4E+09	40%	-3.9883	5.7E+09	36%	-4.4582
2.4E+09	40%	-4.0156	5.7E+09	36%	-4.4429
2.4E+09	40%	-4.0144	5.7E+09	36%	-4.4355
2.4E+09	40%	-3.997	5.7E+09	36%	-4.3996
2.4E+09	40%	-3.957	5.7E+09	36%	-4.4064
2.4E+09	41%	-3.9192	5.7E+09	36%	-4.4438
2.4E+09	41%	-3.8822	5.7E+09	36%	-4.4714
2.4E+09	41%	-3.8425	5.7E+09	35%	-4.5233
2.4E+09	41%	-3.8322	5.7E+09	35%	-4.55
2.5E+09	41%	-3.8415	5.8E+09	35%	-4.5568
2.5E+09	41%	-3.8592	5.8E+09	35%	-4.5496
2.5E+09	41%	-3.8783	5.8E+09	35%	-4.5423
2.5E+09	41%	-3.8518	5.8E+09	35%	-4.5251
2.5E+09	42%	-3.8079	5.8E+09	35%	-4.5233
2.5E+09	42%	-3.7601	5.8E+09	35%	-4.5433
2.5E+09	43%	-3.6844	5.8E+09	35%	-4.56
2.5E+09	43%	-3.6313	5.8E+09	35%	-4.5793
2.5E+09	44%	-3.5831	5.8E+09	35%	-4.6148
2.5E+09	44%	-3.5783	5.8E+09	35%	-4.6107
2.5E+09	44%	-3.5866	5.8E+09	34%	-4.6247
2.5E+09	44%	-3.5828	5.8E+09	35%	-4.6118
2.5E+09	44%	-3.5816	5.8E+09	35%	-4.596
2.5E+09	44%	-3.5654	5.8E+09	35%	-4.5849
2.5E+09	44%	-3.5372	5.8E+09	35%	-4.574

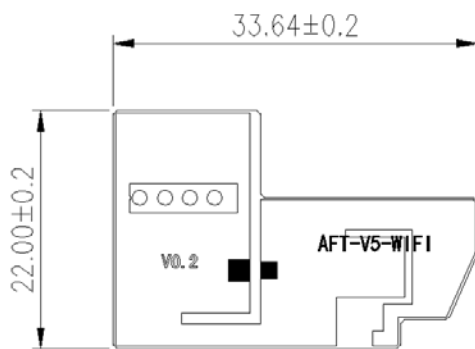
优化后 S11 参数



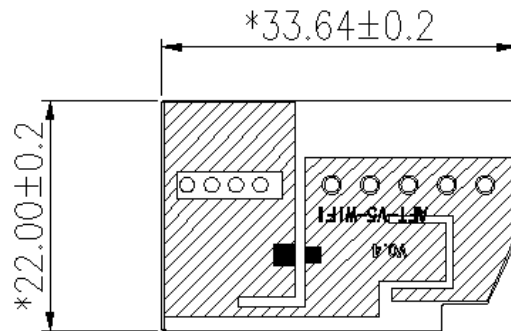
优化后无源效率测试

2400000000	43%	-3.73	5700000000	44%	-3.379
2405263157	44%	-3.621	5705263157	45%	-3.358
2410526315	44%	-3.563	5710526315	45%	-3.371
2415789473	45%	-3.528	5715789473	45%	-3.362
2421052631	45%	-3.515	5721052631	44%	-3.407
2426315789	45%	-3.491	5726315789	44%	-3.423
2431578947	45%	-3.434	5731578947	44%	-3.465
2436842105	46%	-3.344	5736842105	44%	-3.489
2442105263	47%	-3.279	5742105263	43%	-3.5
2447368421	47%	-3.249	5747368421	44%	-3.49
2452631578	47%	-3.273	5752631578	44%	-3.493
2457894736	47%	-3.299	5757894736	43%	-3.51
2463157894	47%	-3.29	5763157894	43%	-3.55
2468421052	47%	-3.31	5768421052	43%	-3.581
2473684210	46%	-3.331	5773684210	43%	-3.547
2478947368	46%	-3.402	5778947368	43%	-3.606
2484210526	45%	-3.499	5784210526	43%	-3.607
2489473684	44%	-3.584	5789473684	42%	-3.639
2494736842	43%	-3.664	5794736842	42%	-3.715
2500000000	43%	-3.757	5800000000	42%	-3.697

天线外形及线路对比



原天线



优化后天线

V5 天线增益：

WIFI2.4G 天线增益：2.1dbi

WIFI5G 天线增益：2.2dbi