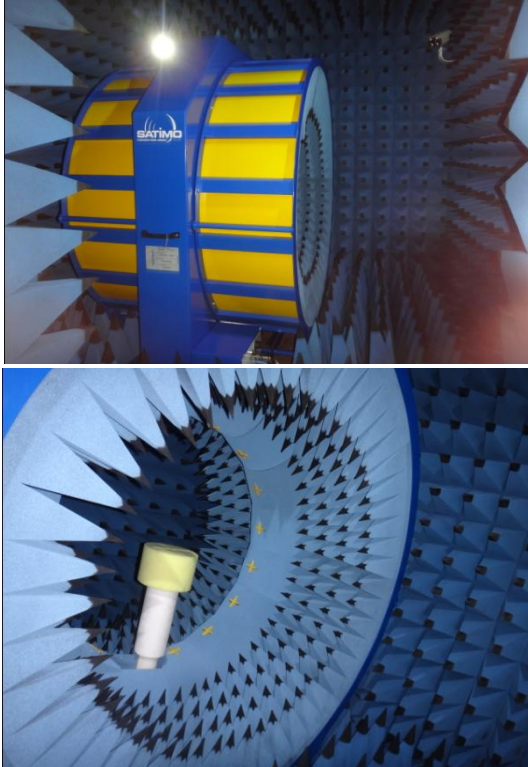


# Antenna Test Report



Customer name	JI JIA	Project name	CG6
Band	WIFI:2.4G	MD Type	Shrapnel
RF Enginner	LIU	MD Enginner	DUQIANG
antenna Type	PIFA	Date	20220620



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。

Imported from France SATIMO company StarLab 3d laboratory, can accurate、rapid test communications terminal products .such as mobile phones, PC of TRP, TIS, efficiency, gain, apple figure, directional diagram

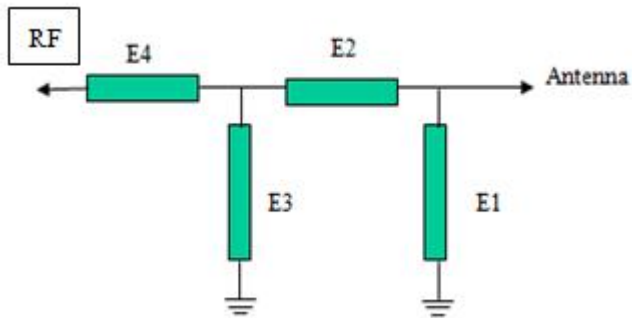
## Report version summary

Edition	Date	Content overview
V1	2022-06-20	Antenna test report

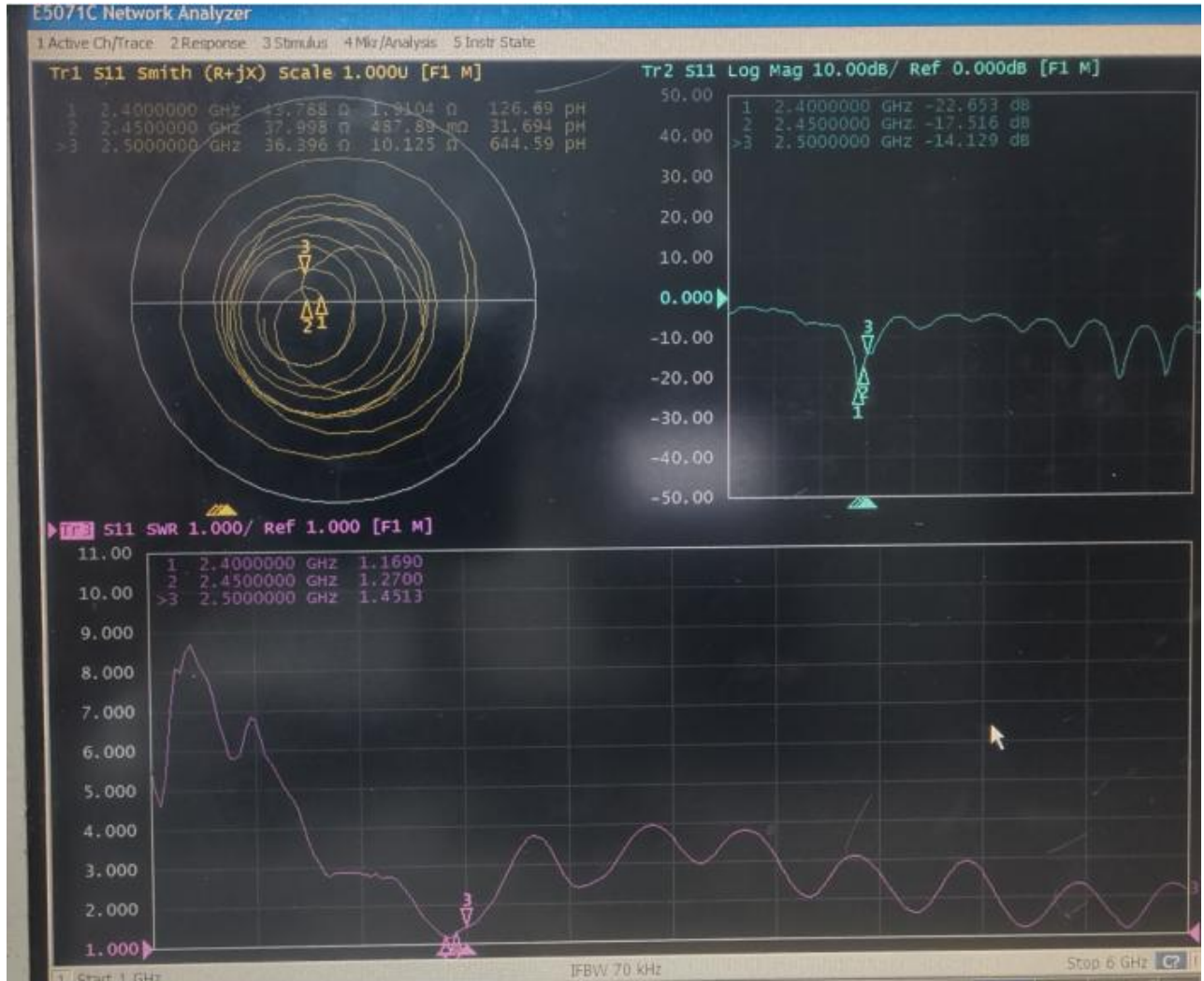
## Main antenna matching circuit

Element	E1	E2	E3	E4
Value	NC	0 欧	NC	0 欧

Our company has not made changes to the main antenna matching circuit!



### 2.4G passive standing wave



2.4G efficiency gain

频率	效率	增益
2400000000	56%	-2.537642167
2405263157	55%	-2.576126033
2410526315	55%	-2.631930822
2415789473	55%	-2.627502283
2421052631	55%	-2.577186007
2426315789	56%	-2.491878927
2431578947	56%	-2.485303562
2436842105	56%	-2.517623524
2442105263	55%	-2.594675298
2447368421	54%	-2.649497787
2452631578	54%	-2.666030047
2457894736	55%	-2.624029057
2463157894	55%	-2.558688746
2468421052	55%	-2.569127469
2473684210	55%	-2.61441073
2478947368	54%	-2.704741558
2484210526	53%	-2.751299719
2489473684	53%	-2.75832587
2494736842	53%	-2.717413952
2500000000	54%	-2.714009432

## Motherboard conduction

**data: 2#**

Band	Channal	Power (dBm)	Sensitivity (dBm)	Band	Channal	Power (dBm)	Sensitivity (dBm)
2.4G B 模-11M	1	17.7	-88.0	2.4G G 模-54M	1	17.0	-76.0
	6	16.5	-87.0		6	16.5	-74.0
	11	15.5	-88.0		11	15.5	-75.0
2.4G N 模-65M	1	17.6	-72.0				
	6	16.5	-72.0				
	11	16.0	-72.0				

**5#**

Band	Channal	Power (dBm)	Sensitivity (dBm)	Band	Channal	Power (dBm)	Sensitivity (dBm)
2.4G B 模-11M	1	16.0	-89.0	2.4G G 模-54M	1	17.0	-76.0
	6	15.1	-88.0		6	15.6	-75.0
	11	14.7	-88.0		11	15.2	-75.0
2.4G N 模-65M	1	16.8	-70.0				
	6	14.2	-71.0				
	11	13.5	-72.0				



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## AFT tech Electronic Co., Ltd. (Shenzhen)

Antenna FS OTA :

### 1#

Band	Channal	TRP(dBm)	TIS(dBm)	Band	Channal	TRP(dBm)	TIS(dBm)
2.4G B 模-11M	1	14.1	-82.1	2.4G G 模-54M	1	13.1	-70.1
	6	13.8	-82.0		6	13.4	-69.5
	11	13.7	-82.9		11	13.2	-69.2
2.4G N 模-65M	1	13.3	-67.2				
	6	13.7	-66.4				
	11	13.2	-66.3				

### 2#

Band	Channal	TRP(dBm)	TIS(dBm)	Band	Channal	TRP(dBm)	TIS(dBm)
2.4G B 模-11M	1	13.9	-81.6	2.4G G 模-54M	1	13.6	-69.4
	6	13.7	-80.6		6	13.6	-68.8
	11	13.4	-81.8		11	13.7	-68.7
2.4G N 模-65M	1	13.3	-67.1				
	6	13.2	-66.5				
	11	13.0	-66.2				



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## AFT tech Electronic Co., Ltd. (Shenzhen)

### 4#

Band	Channal	TRP(dBm)	TIS(dBm)	Band	Channal	TRP(dBm)	TIS(dBm)
2.4G B 模-11M	1	14.3	-84.1	2.4G G 模-54M	1	14.4	-71.5
	6	13.7	-83.5		6	13.4	-70.8
	11	13.1	-83.3		11	13.3	-71.4
2.4G N 模-65M	1	14.0	-66.7				
	6	13.4	-65.7				
	11	12.7	-66.4				

### 5#

Band	Channal	TRP(dBm)	TIS(dBm)	Band	Channal	TRP(dBm)	TIS(dBm)
2.4G B 模-11M	1	14.6	-83.1	2.4G G 模-54M	1	13.6	-70.1
	6	13.9	-82.7		6	12.5	-69.4
	11	12.7	-81.8		11	12.7	-70.2
2.4G N 模-65M	1	13.7	-66.5				
	6	13.2	-65.5				
	11	13.0	-66.3				