

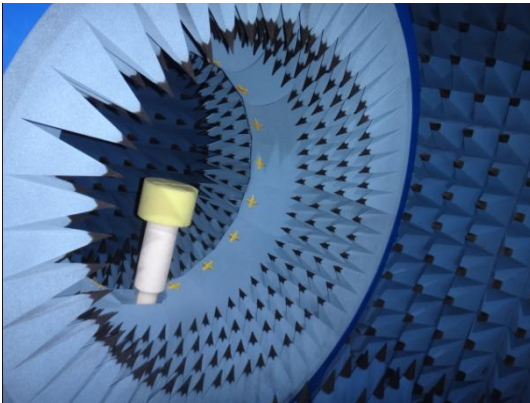
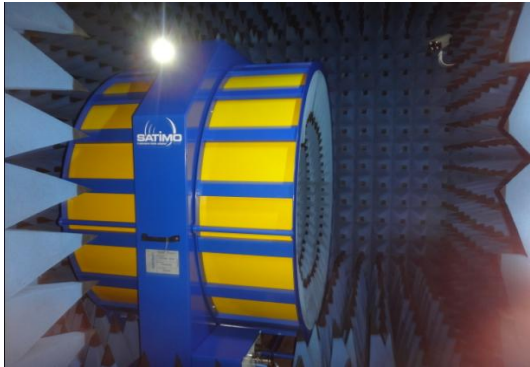
Antenna Test Report



Costomer name	ChengFeng	Project name	P0650
RF Enginner	Xie zhixiong	Date	2023-10-8

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。

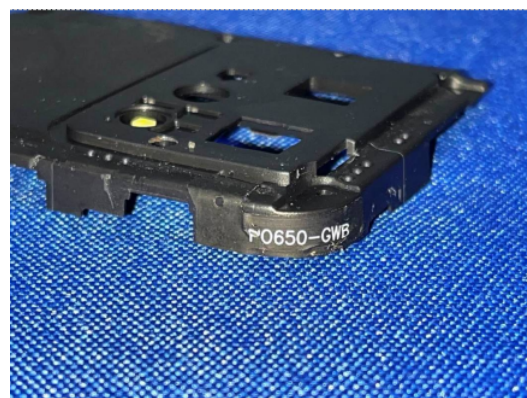
Imported from France SATIMO company StarLab 3d laboratory, can accurate、rapid test communications terminal products . such as mobile phones, PC of TRP, TIS, efficiency, gain, apple figure, directional diagram

Test enviroment

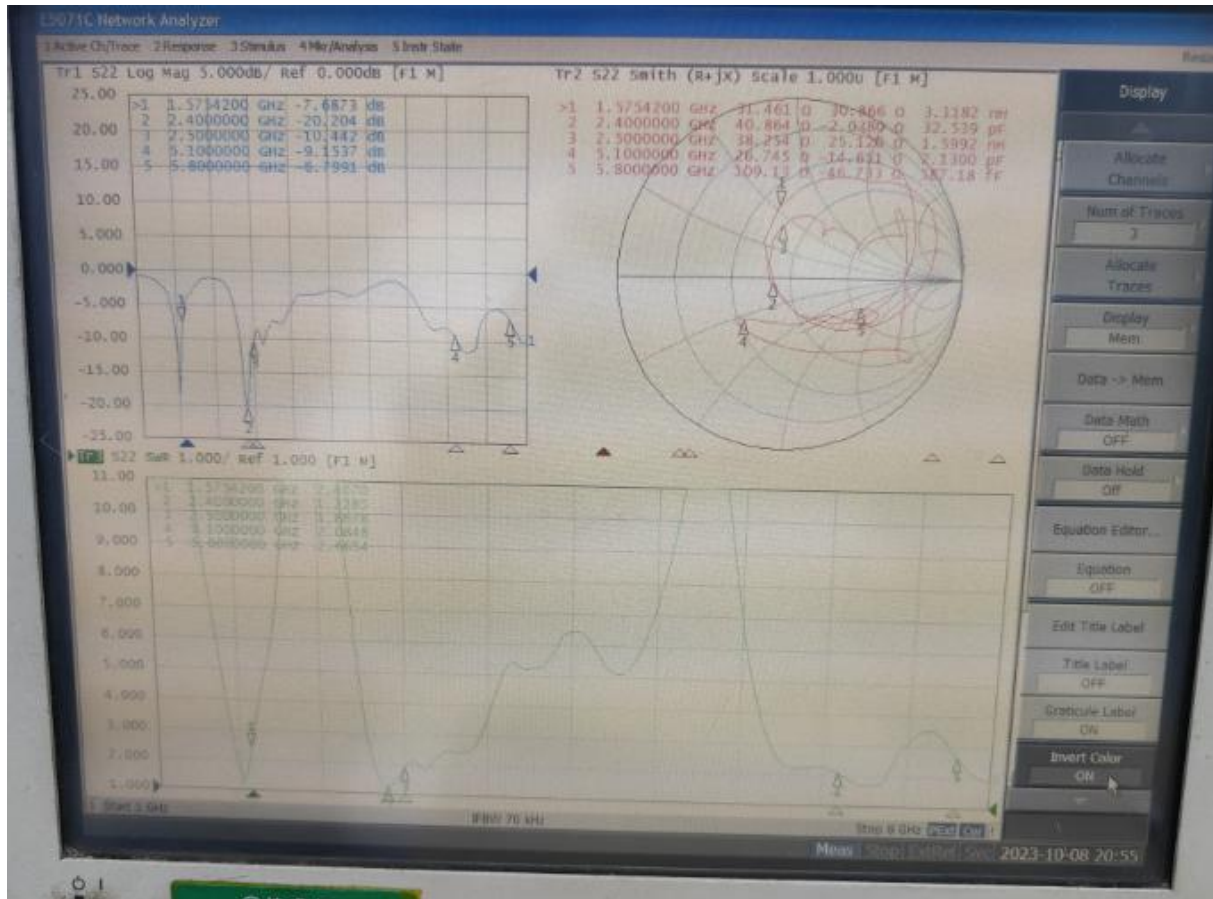
	Test Item	Test Equipment
1.S-parameter	S11	Network analyzer: Agilent8753ES
2.Active Test	TRP, TIS	Dark room: 5*3*3m (3D) Chambe
		synthesizer: Agilent8960 CMW500
3.Passive Test	Antenna gain	Dark room: 5*3*3m (3D) Chamber
	Antenna efficiency	Network analyzer: Agilent8753ES



Antenna position



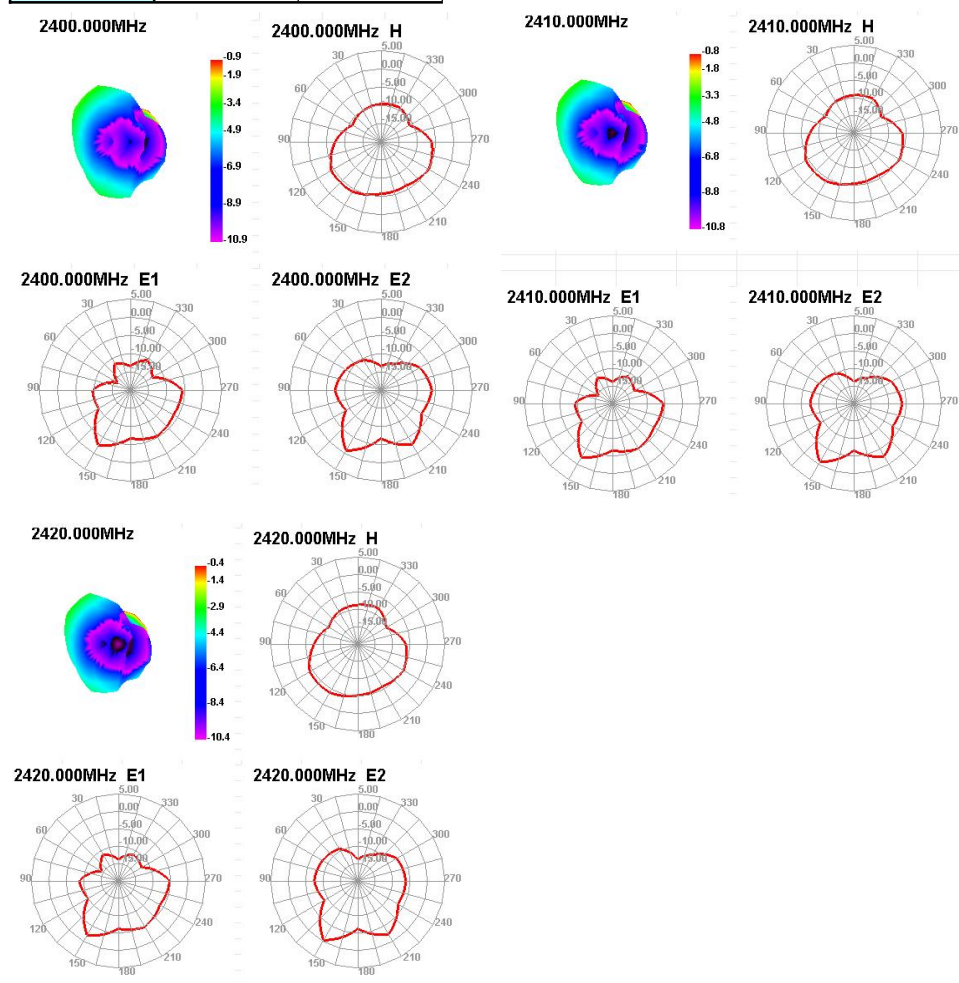
S11



Passive test data

2.4G WIFI/BT

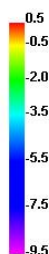
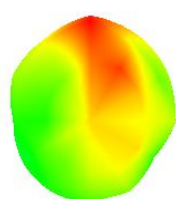
Freq (MHz)	Effi (%)	Gain (dBi)
2400	19.88	-0.96
2410	20.40	-0.88
2420	25.52	1.20
2430	25.18	1.15
2440	21.86	-0.39
2450	21.56	-0.48
2460	20.90	-0.65
2470	21.26	-0.45
2480	21.01	-0.58
2490	21.03	-0.56
2500	21.16	-0.52



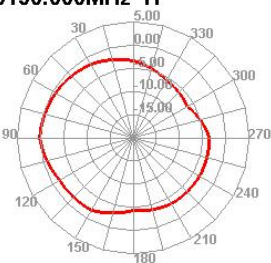
5G WIFI

Freq (MHz)	Effi (%)	Gain (dBi)
5150	46.89	1.55
5200	46.59	1.63
5250	51.06	2.00
5300	50.48	1.57
5350	44.5	1.28
5400	34.26	-0.54
5450	31.74	-1.59
5500	28.36	-1.58
5550	23.99	-1.35
5600	22.82	-2.53
5650	24.96	-2.18
5700	27.35	-1.35
5750	46.43	1.53
5800	50.74	2.00
5850	50.69	1.97

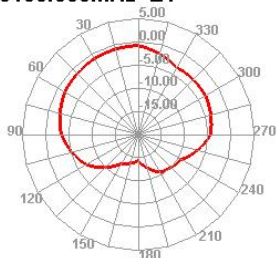
5150.000MHz



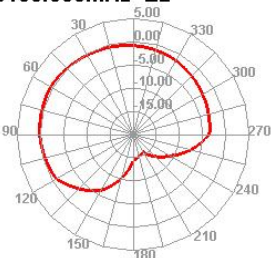
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



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