

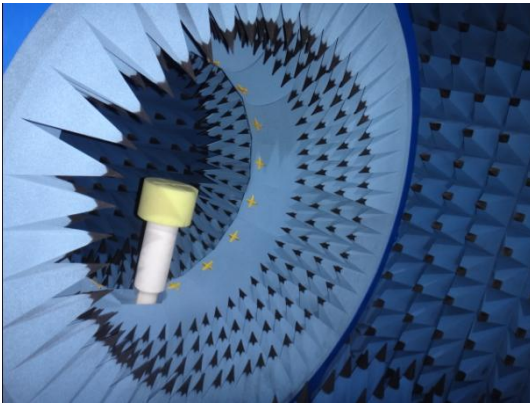
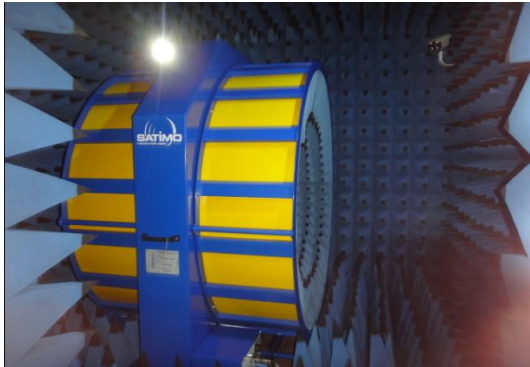
Antenna Test Report



Costomer name	ChengFeng	Project name	P0652GK
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

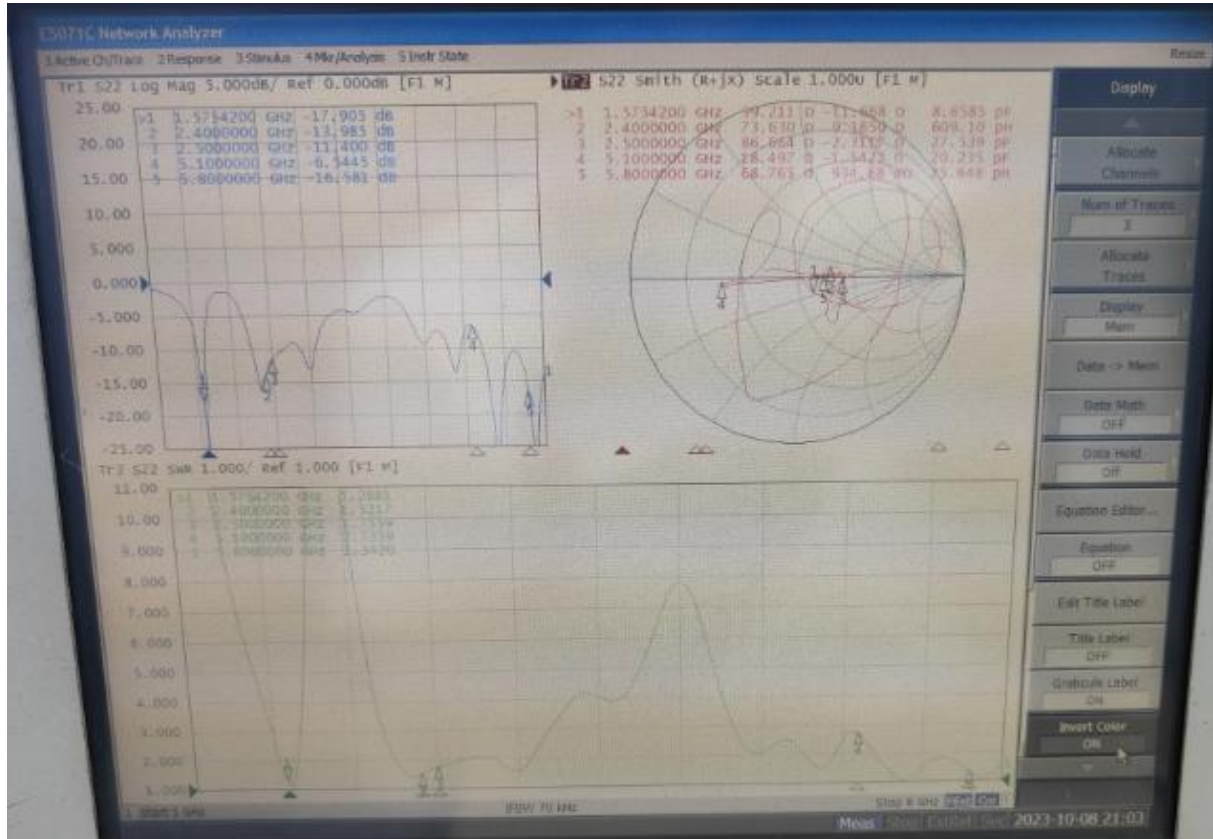
	Test Item	Test Equipment
1. S-parameter	S11	Network analyzer: Agilent8753ES
2. Active Test	TRP, TIS	Dark room: 5*3*3m (3D) Chambe
		synthesizer: Agilent8960 CMW500
3. Passive Test	Antenna gain	Dark room: 5*3*3m (3D) Chamber
	Antenna efficiency	Network analyzer: Agilent8753ES



Antenna position



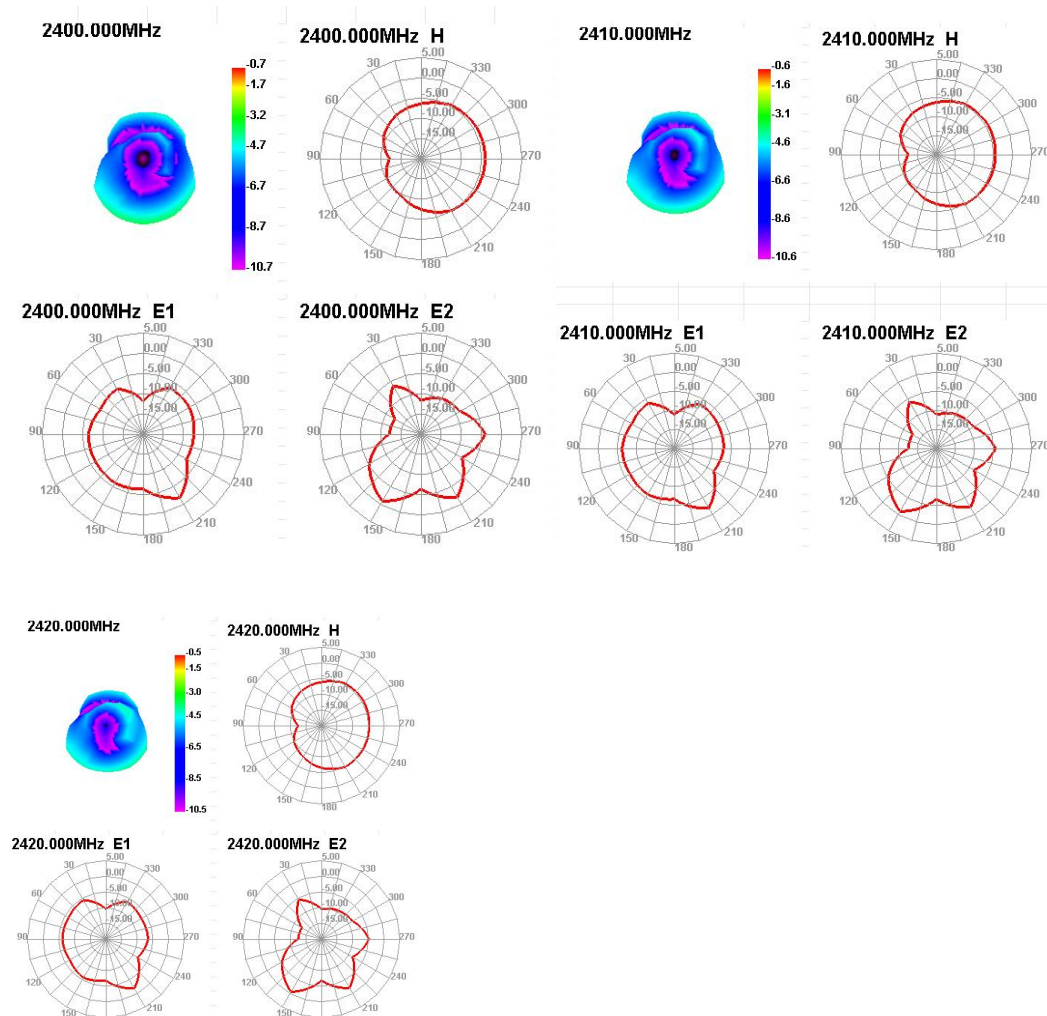
S11



Passive test data

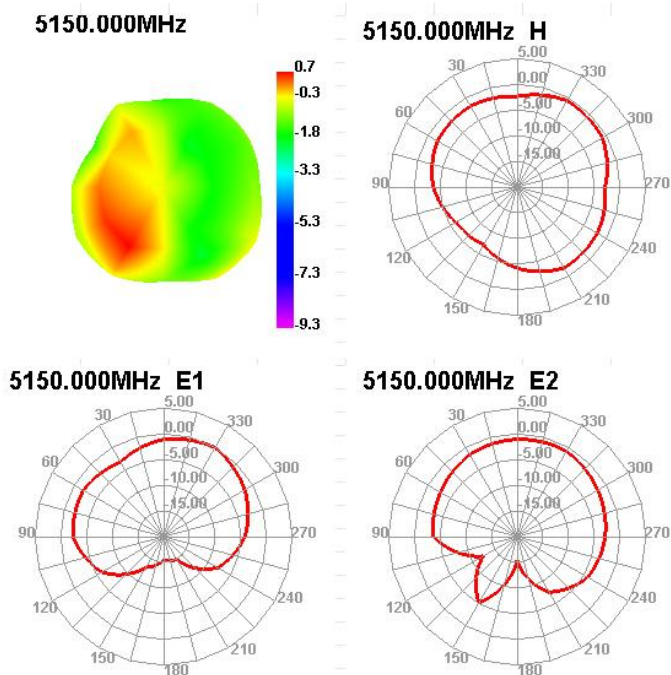
2.4G WIFI/BT

Freq (MHz)	Effi (%)	Gain (dBi)
2400	24.58	-0.68
2410	24.61	-0.65
2420	25.48	-0.46
2430	22.93	-0.9
2440	25.06	-0.65
2450	24.87	-0.74
2460	26.07	-0.65
2470	23.97	-1
2480	24.07	-1.01
2490	20.87	-1.6
2500	20.48	-1.74



5G WIFI

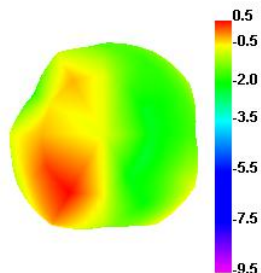
Freq (MHz)	Effi (%)	Gain (dBi)
5150	47.56	0.7
5200	48.29	0.48
5250	51.39	0.98
5300	52.73	1.01
5350	53.27	1.22
5400	50.31	0.79
5450	48.64	0.49
5500	44.32	-0.36
5550	40.21	-1.01
5600	35.26	-1.58
5650	36.75	-1.08
5700	40.75	-0.02
5750	40.92	0.19
5800	33.43	-0.53
5850	33.96	-0.35



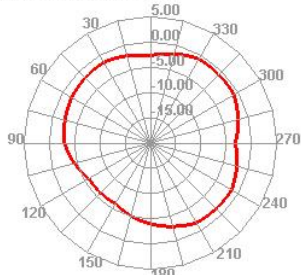
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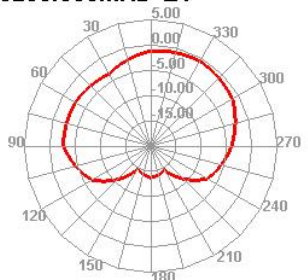
5200.000MHz



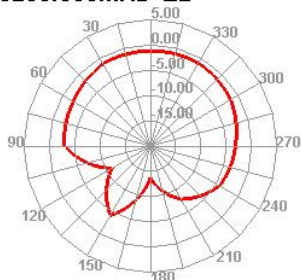
5200.000MHz H



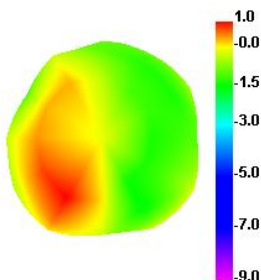
5200.000MHz E1



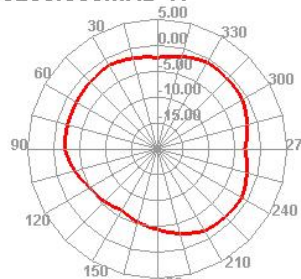
5200.000MHz E2



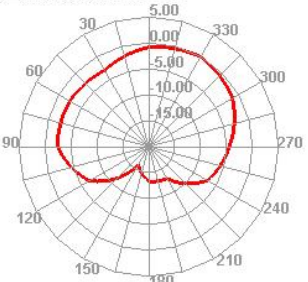
5250.000MHz



5250.000MHz H



5250.000MHz E1



5250.000MHz E2

