

上海尚远通讯科技有限公司

天线承认书

Shanghai Shangyuan Communication
Technology Co., Ltd. antenna
acknowledgement

客户名称: 祥承科技 Customer Name: XC technology	项目名称: B1796 Project name: B1796
工作频段: GPS+2.4GWIFI+5GWIFI Workingband:GPS+2.4GWIFI+5GWIFI	

制造商: 上海尚远通讯科技有限公司

manufacturer: Shanghai Shangyuan Communication Technology

上海研发中心地址: 上海市青浦区高光路215弄99号4号楼1楼

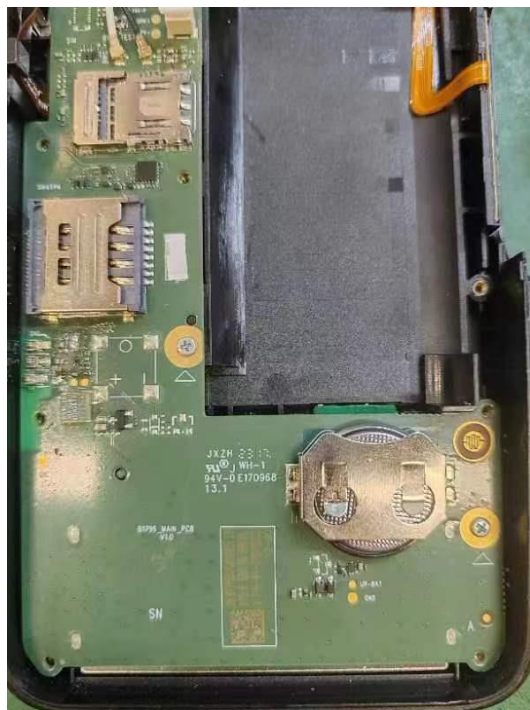
Shanghai R&D Center Address: 1F, Building 4, No. 99, Lane 215,
Gaoguang Road, Qingpu District, Shanghai

1. 项目信息

Project information

机器信息

Machine information



说明：客户最终验证天线性能样机保留在我司至少一年时间，便于分析解决天线量产中异常情况，确保天线出货品质。

无源测试数据

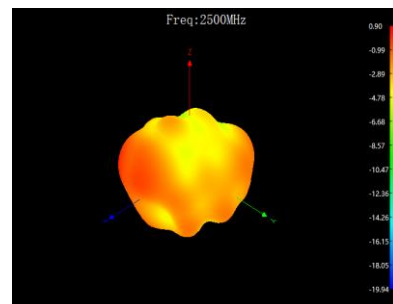
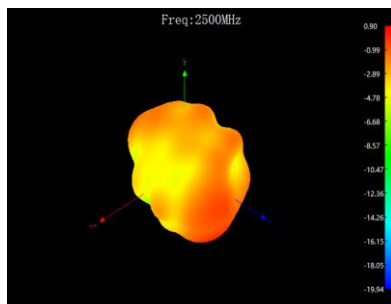
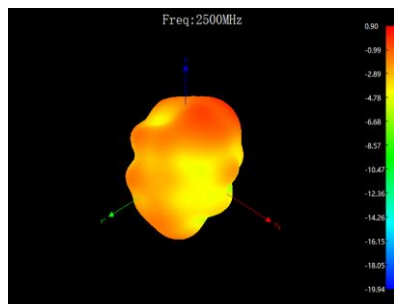
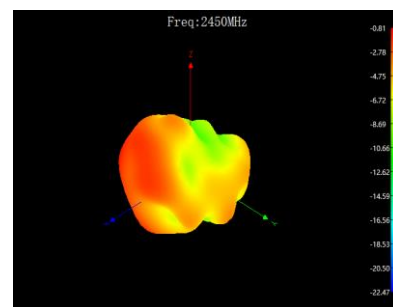
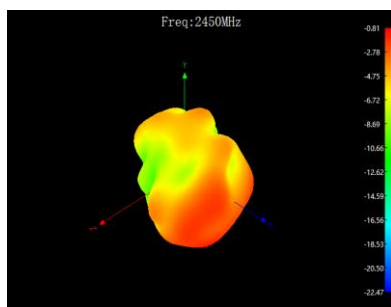
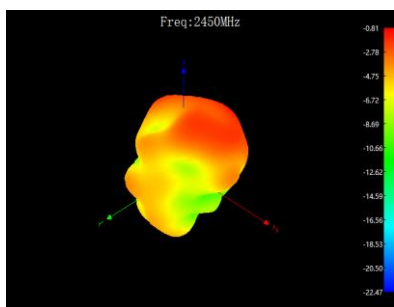
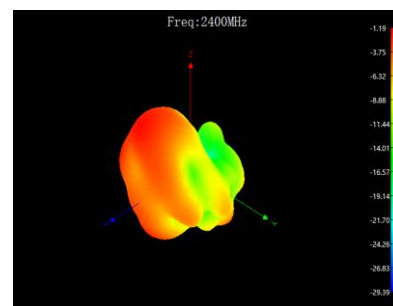
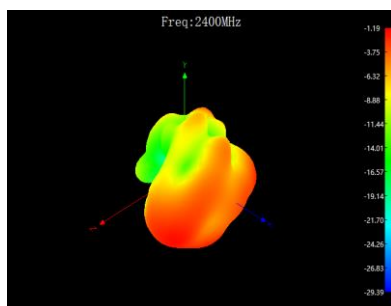
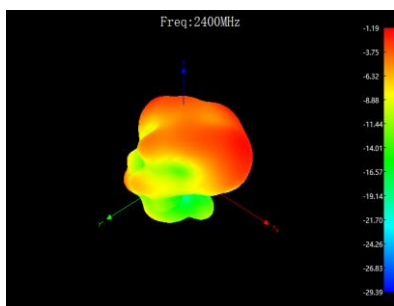
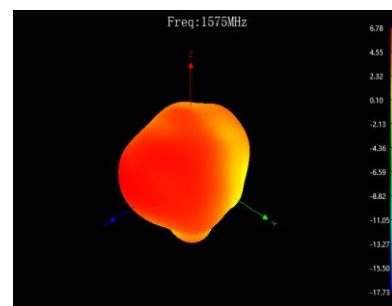
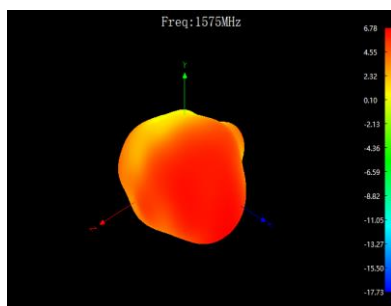
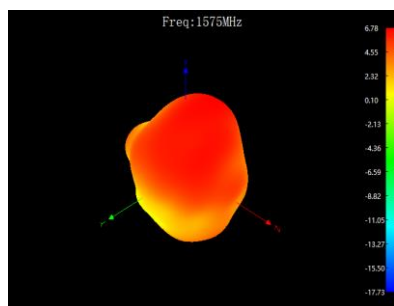
Passive test data

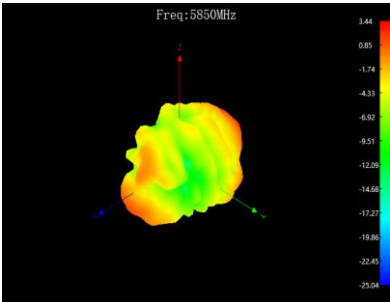
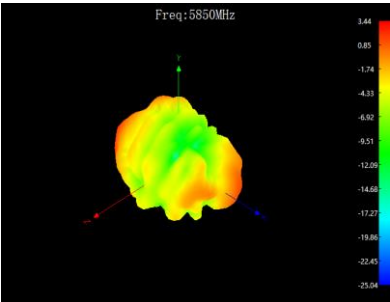
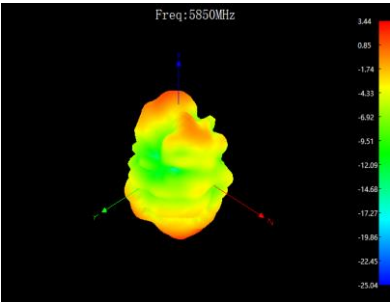
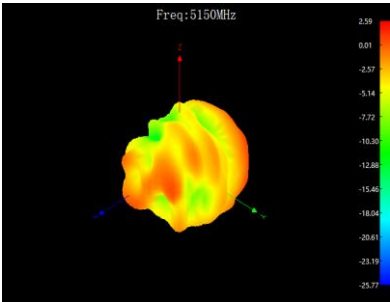
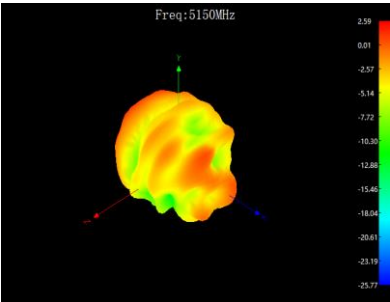
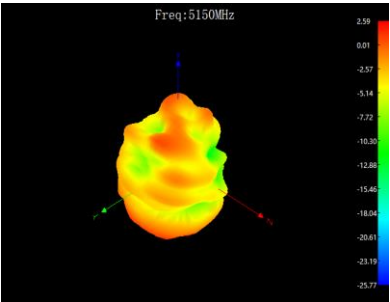
三合一天线无源增益

gain of 3-in-1 antenna

Freq	Effi	Effi	Gain	Freq	Effi	Effi	Gain
(MHz)	(dB)	(%)	(dBi)	(MHz)	(dB)	(%)	(dBi)
1550	-2.83	52.12	5.86	2400	-5.11	30.84	-1.19
1555	-2.71	53.58	6.25	2410	-4.98	31.77	-0.93
1560	-2.78	52.72	6.38	2420	-4.89	32.44	-1.16
1565	-2.63	54.58	6.59	2430	-4.87	32.55	-0.54
1570	-2.78	52.68	6.84	2440	-4.75	33.5	-0.24
1575	-2.65	54.29	6.78	2450	-4.91	32.28	-0.81
1580	-2.64	54.43	6.56	2460	-4.39	36.39	0.12
1585	-2.65	54.27	6.56	2470	-4.19	38.11	0
1590	-2.54	55.67	6	2480	-4.43	36.06	-0.08
1595	-2.65	54.29	5.64	2490	-4.38	36.48	0.47
1600	-2.52	55.94	5.69	2500	-3.99	39.9	0.9
1605	-2.5	56.24	5.5	5150	-3.82	41.53	2.59
1610	-2.55	55.53	5.2	5200	-3.21	47.75	2.23
				5250	-3.24	47.38	3.38
				5300	-2.5	56.23	4.05
				5350	-2.69	53.83	3.82
				5400	-3.29	46.88	3.66
				5450	-3.28	46.94	4.88
				5500	-3.29	46.88	3.29
				5550	-3	50.09	3.7
				5600	-2.97	50.47	4.06
				5650	-3.21	47.75	3.23
				5700	-3.32	46.56	3.59
				5750	-3.63	43.35	3.88
				5800	-3.24	47.42	3.48
				5850	-3.41	45.6	3.44

Free space 3D radiation pattern





B/E配置三合一天线有源测试数据（自由空间，亮屏_量度 100%）

B/E configuration 3-in-1 antenna active test data (free space, 100% brightness measurement)

Band	Test Item	Channel	FREQ (MHz)	OTA (dBm)
2.4G 802.11B- 11Mbps	TRP	1	1925	12.09
		6	1950	12.39
		11	1975	11.07
	TIS	1	2115	
		6	2140	
		11	2165	-77.65
5.8G 802.11A- 54Mbps	TRP	36	36	12
		64	64	12.65
		165	165	12.71
	TIS	36	36	
		64	64	
		165	165	-71.41

Band	Test Item	Channel	FREQ (MHz)	OTA (dBm)
L1	TIS		1575.42	-145.97

C/F配置三合一天线有源测试数据（自由空间，亮屏_量度 100%）

C/F configuration 3-in-1 antenna active test data (free space, 100% brightness measurement)

Band	Test Item	Channel	FREQ (MHz)	OTA (dBm)
2.4G 802.11B- 11Mbps	TRP	1	1925	12.17
		6	1950	12.53
		11	1975	11.75
	TIS	1	2115	
		6	2140	
		11	2165	-78.03
5.8G 802.11A- 54Mbps	TRP	36	36	12.79
		64	64	12.95
		165	165	12.58
	TIS	36	36	
		64	64	
		165	165	-73.05

Band	Test Item	Channel	FREQ (MHz)	OTA (dBm)
L1	TIS		1575.42	-146.14

三合一天线规格书

3-in-1 antenna specification

