



深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

天线测试报告

Antenna Test Report

TC: 微步-联腾

MN: P34TW-PS-0B

RF: 戴进平

MD: 黄清清

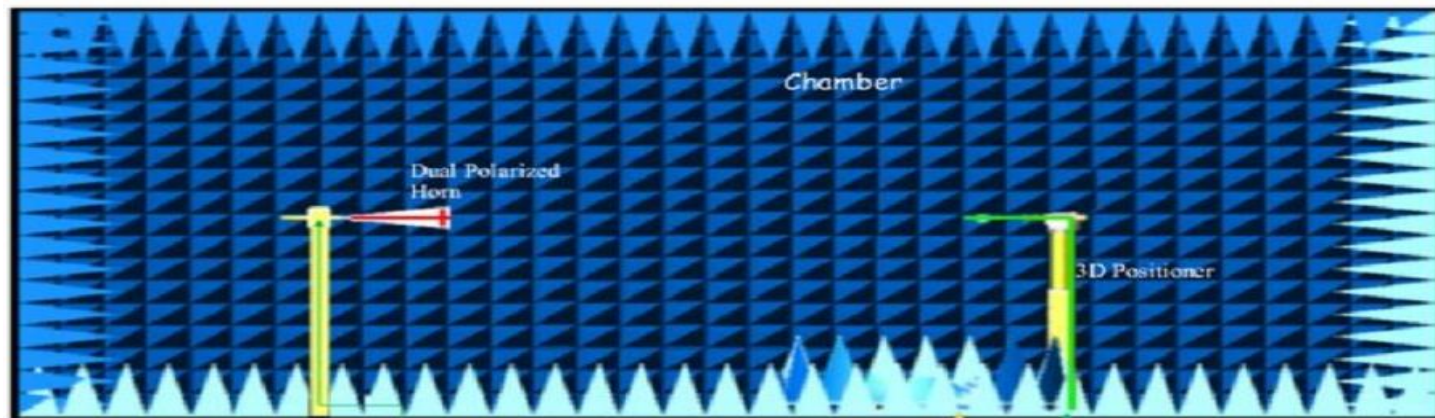
MP: 19918388579

Date: 2026. 03. 24.

REV :V1. 0

WIFI ANT Test information		
Frequency	2. 4G (2402~2483) Mhz	5G (5150~5850) Mhz
Module information		
Driver version information		

OTA Chamber Overview

0.1~12.5Ghz
RF Switch BoxWireless
Communications
Test Set 1Wireless
Communications
Test Set 2Network
Analyzer

Standard	
Passive	Agilent HP8753/E5062/E5071
GSM	Agilent 8960
CDMA2000	Agilent 8960
WCDMA	Agilent 8960
TDSCDMA	Agilent 8960
LTE	RS CMW500
BT	RS CMU500/200
WIFI	Agilent N4010

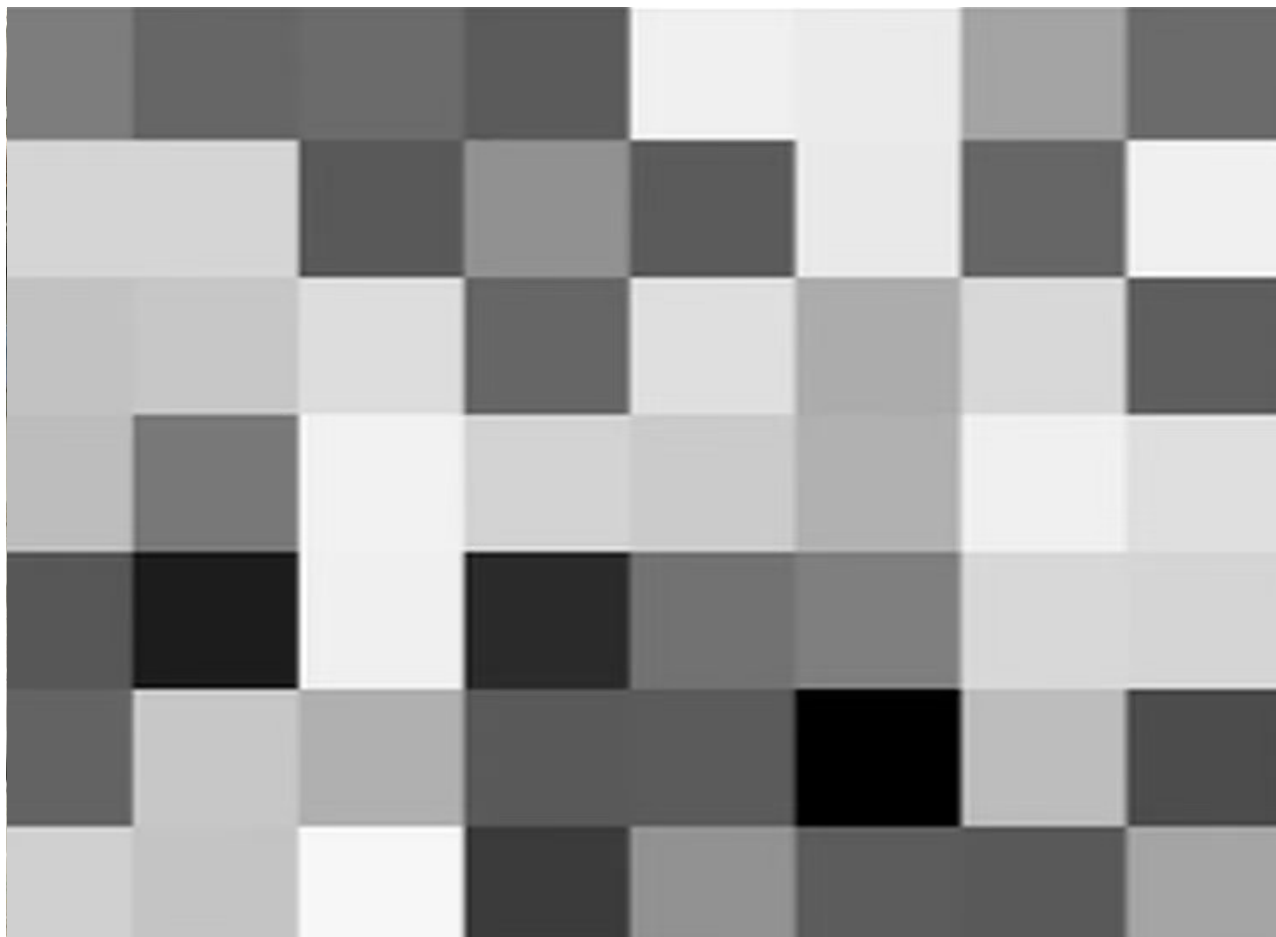




天线位置
Antenna position



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802.11b	Frequency	TRP		TIS	
	2412	CH1 11Mbps	11.60	CH1 11Mbps	-80.03
	2437	CH6 11Mbps	11.58	CH6 11Mbps	-81.52
	2467	CH11 11Mbps	11.43	CH11 11Mbps	-82.23
802.11a		TRP		TIS	
	5180	CH36 6Mbps	10.23	CH36 54Mbps	-69.28
	5300	CH60 6Mbps	11.16	CH60 54Mbps	-69.74
	5805	CH161 6Mbps	11.78	CH161 54Mbps	-68.98



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BT天线实测 BT Antenna test

测试环境：开放空间(通道)

测试工具：蓝牙音响

测试距离：15+m

结果：播放音乐流畅，无杂音。



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WIFI-吞吐量测试-RVR
Throughput test

RVR测试系统(2. 4G-AX-40M-1-CH11)

RVR测试系统 (2. 4G-AX-40M-1-CH11)													
TX							RX						
图片	WiFi RvR 测试数据(2G_ax_40M_CH1I_TX)					图片	WiFi RvR 测试数据(2G_ax_40M_CH1I_RX)						
	角度\衰减	0dB	10dB	20dB	30dB		40dB	角度\衰减	0dB	10dB	20dB	30dB	40dB
	0°	239	239	235	208		142	0°	242	233	230	233	179
	90°	240	240	237	187		126	90°	238	242	235	230	179
	180°	239	234	237	187		129	180°	234	238	232	240	180
	270°	240	237	238	185		85	270°	242	233	232	230	170
备注													

WIFI-吞吐量测试-RVR Throughput test

RVR测试系统 (5G-AX-80M-1-CH36)													
TX		WiFi RvR 测试数据(5G_ax_160M_CH36_TX)					RX		WiFi RvR 测试数据(5G_ax_160M_CH36_RX)				
图片	角度\衰减	0dB	10dB	20dB	30dB	40dB	图片	角度\衰减	0dB	10dB	20dB	30dB	40dB
	0°	508	490	501	357	236		0°	498	498	493	492	437
	90°	497	489	357	178	102		90°	496	495	492	386	264
	180°	490	484	502	383	175		180°	498	498	495	491	373
	270°	493	494	392	261	106		270°	497	496	495	436	267
备注													

环境处理

Environmental treatment



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无源测试数据

Passive test data

ANT1 GAIN&Efficiency-WIFI2.4G/BT

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	2400	-3.37	46.07	1.29
PASSIVE	2410	-3.25	47.33	1.13
PASSIVE	2420	-3.24	47.46	1.23
PASSIVE	2430	-3.26	47.17	1.24
PASSIVE	2440	-3.19	47.96	1.32
PASSIVE	2450	-3.1	48.99	1.4
PASSIVE	2460	-3.05	49.59	1.44
PASSIVE	2470	-2.93	50.96	1.57
PASSIVE	2480	-2.89	51.46	1.59
PASSIVE	2490	-2.82	52.2	1.69
PASSIVE	2500	-2.76	52.91	1.86



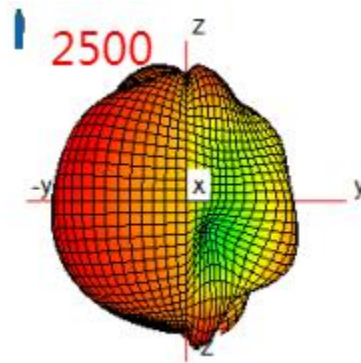
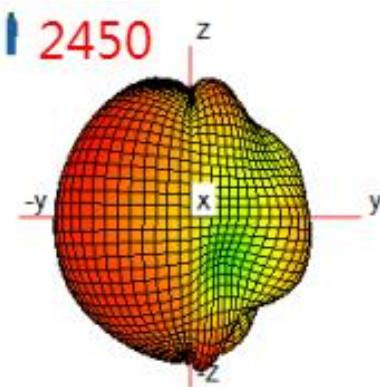
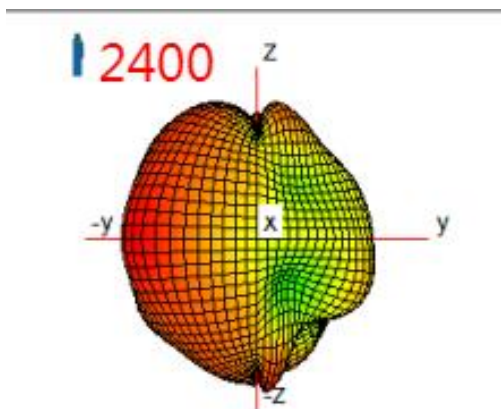
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无源测试数据
Passive test data

ANT1 Direction of figure (2.4/BT)





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无源测试数据

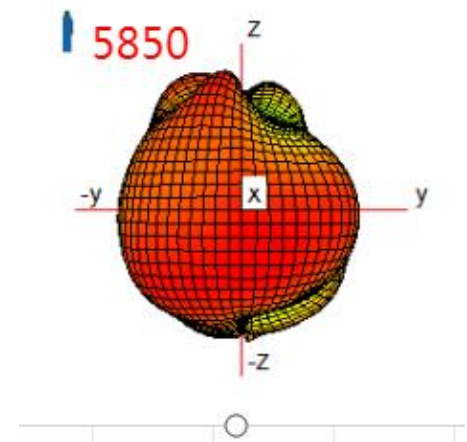
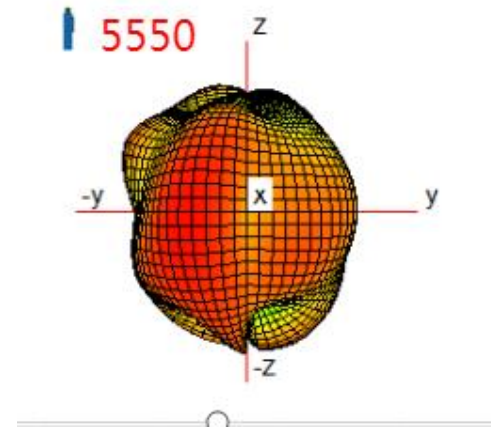
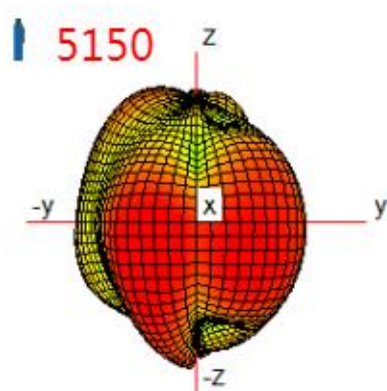
Passive test data

ANT1 GAIN&Efficiency-WIFI 5G

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	5150	-3.49	44.79	1.67
PASSIVE	5170	-3.57	44	1.75
PASSIVE	5190	-3.52	44.5	1.65
PASSIVE	5210	-3.46	45.09	1.83
PASSIVE	5230	-3.5	44.69	1.86
PASSIVE	5250	-3.53	44.32	1.99
PASSIVE	5270	-3.59	43.76	1.71
PASSIVE	5290	-3.62	43.49	1.82
PASSIVE	5310	-3.53	44.34	1.85
PASSIVE	5330	-3.46	45.13	1.86
PASSIVE	5350	-3.51	44.57	1.88
PASSIVE	5370	-3.5	44.64	1.76
PASSIVE	5390	-3.6	43.69	1.57
PASSIVE	5410	-3.63	43.39	1.49
PASSIVE	5430	-3.61	43.59	1.46
PASSIVE	5450	-3.59	43.75	1.52
PASSIVE	5470	-3.65	43.15	1.56
PASSIVE	5490	-3.73	42.37	1.63
PASSIVE	5510	-3.76	42.07	1.69
PASSIVE	5530	-3.83	41.43	1.68
PASSIVE	5550	-3.63	43.34	1.86
PASSIVE	5570	-3.55	44.14	1.73
PASSIVE	5590	-3.5	44.72	1.53
PASSIVE	5610	-3.63	43.39	1.41
PASSIVE	5630	-3.64	43.26	1.34
PASSIVE	5650	-3.6	43.65	1.27
PASSIVE	5670	-3.62	43.48	1.2
PASSIVE	5690	-3.6	43.68	1.3
PASSIVE	5710	-3.6	43.64	1.22
PASSIVE	5730	-3.65	43.12	1.38
PASSIVE	5750	-3.76	42.12	1.14
PASSIVE	5770	-3.68	42.81	1.13
PASSIVE	5790	-3.75	42.16	1.03
PASSIVE	5810	-3.79	41.78	0.98
PASSIVE	5830	-3.8	41.65	0.9
PASSIVE	5850	-3.92	40.55	0.75

无源测试数据
Passive test data

ANT1 Direction of figure(5G)





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无源测试数据
Passive test data

ANT2 GAIN&Efficiency-WIFI2.4G/BT

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	2400	-4.38	36.46	0.26
PASSIVE	2410	-4.18	38.22	0.09
PASSIVE	2420	-4.1	38.9	0.29
PASSIVE	2430	-4.07	39.15	0.49
PASSIVE	2440	-3.98	39.96	0.7
PASSIVE	2450	-4	39.85	0.74
PASSIVE	2460	-4.1	38.94	0.6
PASSIVE	2470	-4.14	38.57	0.62
PASSIVE	2480	-4.23	37.73	0.67
PASSIVE	2490	-4.33	36.92	0.53
PASSIVE	2500	-4.42	36.12	0.32



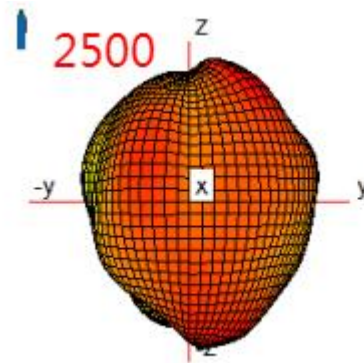
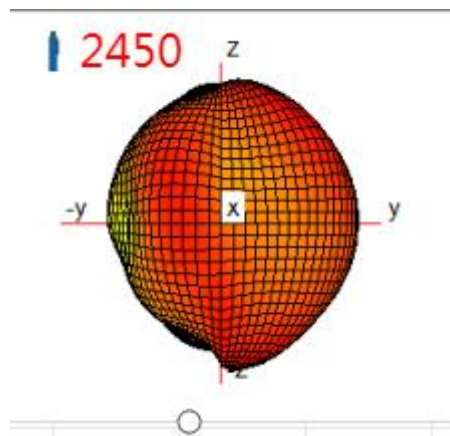
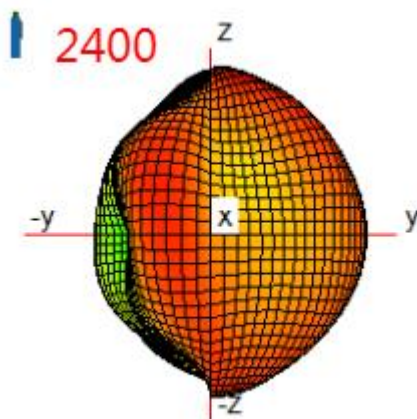
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无源测试数据
Passive test data

ANT2 Direction of figure (2.4/BT)





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无源测试数据

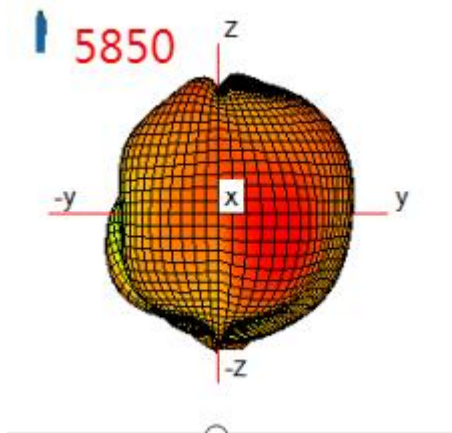
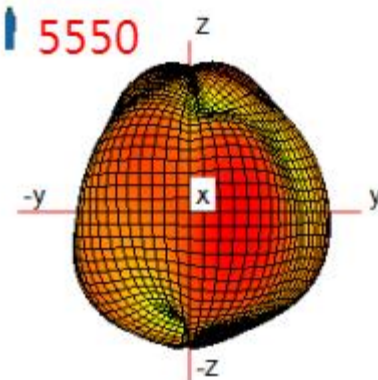
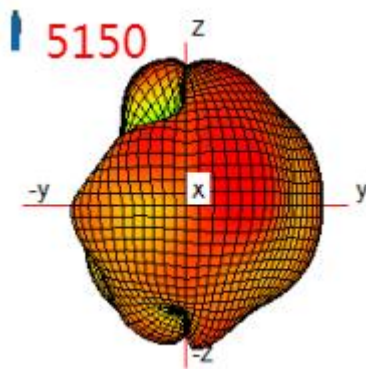
Passive test data

ANT2 GAIN&Efficiency-WIFI 5G

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	5150	-3.15	48.47	0.97
PASSIVE	5170	-3.16	48.28	0.91
PASSIVE	5190	-3.14	48.55	0.96
PASSIVE	5210	-3.14	48.52	1.08
PASSIVE	5230	-3.25	47.34	1
PASSIVE	5250	-3.31	46.68	1.05
PASSIVE	5270	-3.4	45.69	1.02
PASSIVE	5290	-3.44	45.3	1.09
PASSIVE	5310	-3.36	46.16	1.17
PASSIVE	5330	-3.29	46.91	1.24
PASSIVE	5350	-3.27	47.09	1.16
PASSIVE	5370	-3.23	47.5	1.1
PASSIVE	5390	-3.36	46.18	0.87
PASSIVE	5410	-3.4	45.72	0.75
PASSIVE	5430	-3.48	44.88	0.7
PASSIVE	5450	-3.53	44.32	0.77
PASSIVE	5470	-3.7	42.7	0.9
PASSIVE	5490	-3.88	40.93	0.79
PASSIVE	5510	-4.02	39.6	0.48
PASSIVE	5530	-4.19	38.11	0.11
PASSIVE	5550	-4.13	38.65	0.03
PASSIVE	5570	-4.14	38.53	0.02
PASSIVE	5590	-4.15	38.48	0.09
PASSIVE	5610	-4.25	37.58	0.01
PASSIVE	5630	-4.2	38.06	0.03
PASSIVE	5650	-4.12	38.76	0.35
PASSIVE	5670	-4.02	39.61	0.57
PASSIVE	5690	-3.96	40.16	0.84
PASSIVE	5710	-3.94	40.36	0.88
PASSIVE	5730	-3.94	40.41	1.03
PASSIVE	5750	-3.95	40.23	0.94
PASSIVE	5770	-3.82	41.46	1.06
PASSIVE	5790	-3.8	41.66	1.27
PASSIVE	5810	-3.73	42.36	1.41
PASSIVE	5830	-3.65	43.2	1.63
PASSIVE	5850	-3.66	43.1	1.73

无源测试数据
Passive test data

ANT2 Direction of figure(5G)



合作共赢

