



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

MN: A36ML-ARH-MTH-OB

RF: 戴进平

MD: 黄菁菁

MP: 19918388579

Date: 2026. 01. 07

REV :V1. 0



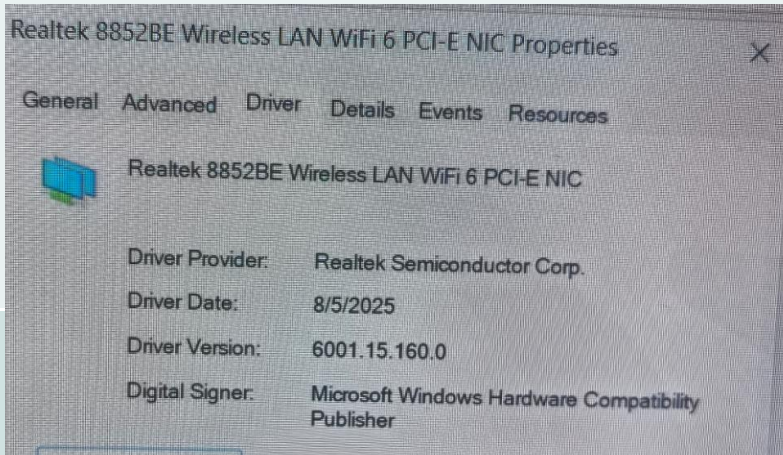
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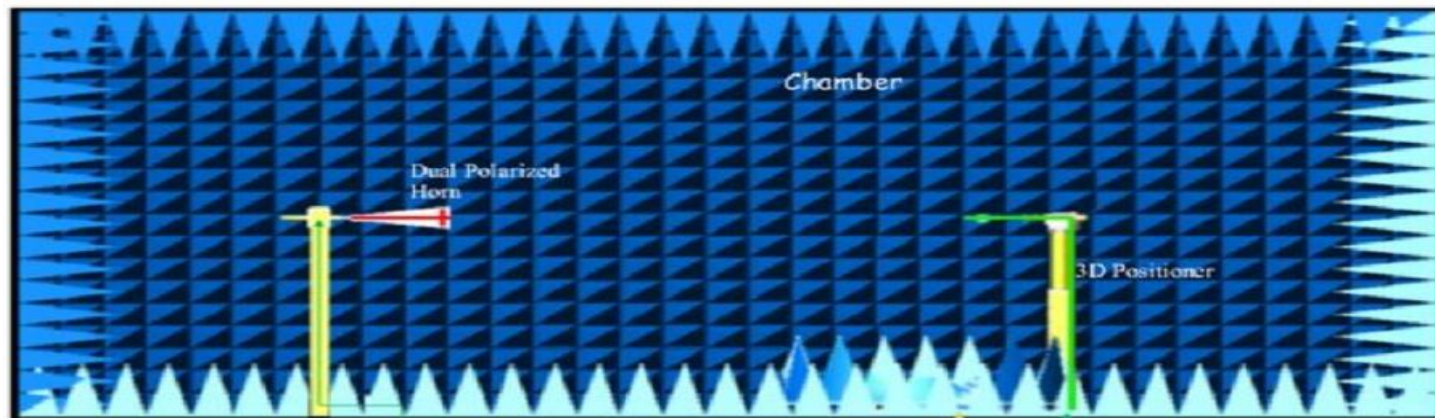
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测试信息

Test information

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

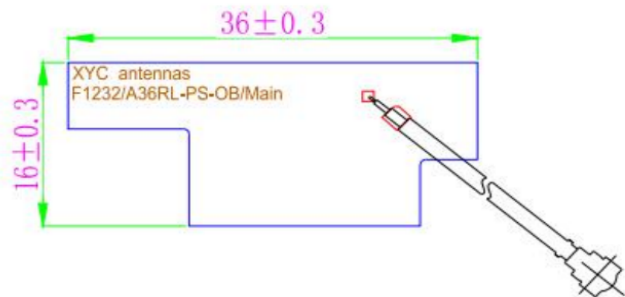
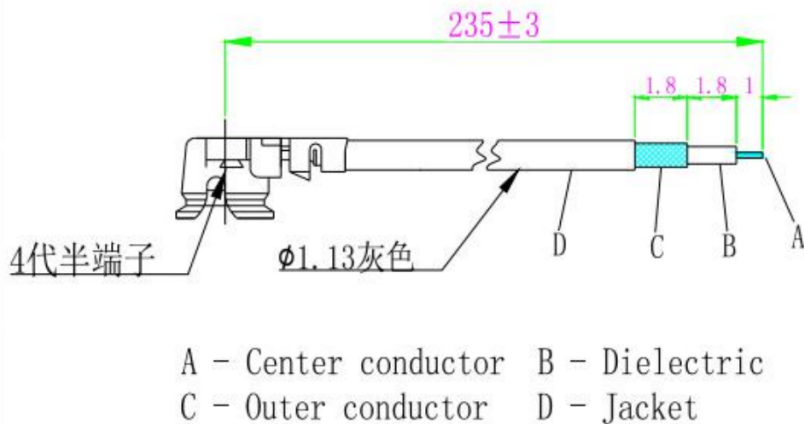
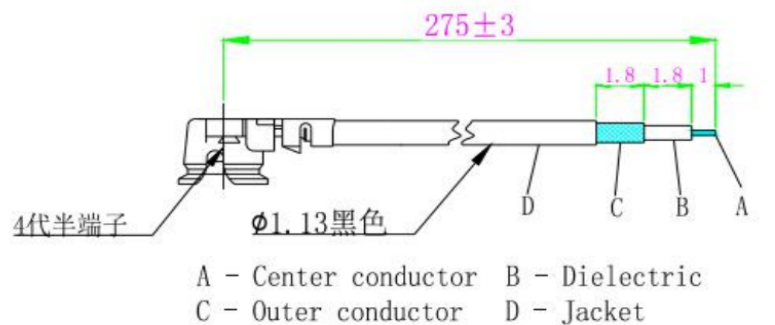


天线位置 Antenna position

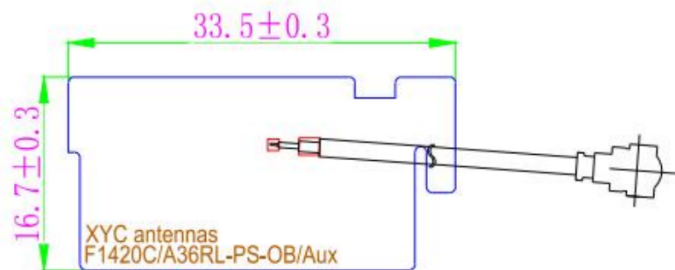


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Main



AUX



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有源测试数据
Active test data

BOE屏-120HZ

802.11b	Frequency	TRP		TIS (亮屏)	
	2412	CH1 11Mbps	10.37	CH1 11Mbps	-78.52
	2437	CH6 11Mbps	10.21	CH6 11Mbps	-80.73
	2467	CH11 11Mbps	10.13	CH11 11Mbps	-81.31
802.11a		TRP		TIS	
	5180	CH36 54Mbps	9.33	CH36 54Mbps	-75.10
	5300	CH60 54Mbps	9.31	CH60 54Mbps	-75.09
	5805	CH161 54Mbps	15.19	CH161 54Mbps	-75.94



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有源测试数据
Active test data

华星屏-120HZ

802.11b	Frequency	TRP		TIS (亮屏)	
	2412	CH1 11Mbps	10.86	CH1 11Mbps	-82.97
	2437	CH6 11Mbps	10.11	CH6 11Mbps	-82.72
	2467	CH11 11Mbps	10.20	CH11 11Mbps	-82.11
802.11a		TRP		TIS	
	5180	CH36 54Mbps	10.17	CH36 54Mbps	-75.41
	5300	CH60 54Mbps	10.06	CH60 54Mbps	-75.11
	5805	CH161 54Mbps	15.23	CH161 54Mbps	-75.38



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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。

WIFI-吞吐量测试

Throughput test

RVR测试系统(2. 4G-AX-40M-2-CH1)

RVR测试系统(2. 4G-AX-40M-2-CH1)													
TX		WiFi RvR 测试数据(2G_ax_40M_CH1I_TX)					RX		WiFi RvR 测试数据(2G_ax_40M_CH1I_RX)				
图片	角度\衰减						0dB	10dB					
	0°	453	452	442	390	270	0°	480	481	478	479	428	
	90°	460	460	320	274	98.7	90°	479	476	470	421	281	
	180°	456	456	338	325	159	180°	482	477	477	453	327	
	270°	454	452	349	266	152	270°	477	464	473	433	368	
	平均	456	455	362	314	170	平均	480	475	475	447	351	
备注													

WIFI-吞吐量测试

Throughput test

RVR测试系统 (5G-AX-80M-2-CH36)

RVR测试系统 (5G-AX-80M-2-CH36)													
TX		WiFi RvR 测试数据(5G_ax_80M_CH36_TX)				RX		WiFi RvR 测试数据(5G_ax_80M_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°	897	879	619	518	262		0°	987	979	961	909	604
	90°	881	775	493	329	95.4		90°	791	782	777	622	435
	180°	870	887	641	476	208		180°	984	974	949	751	561
	270°	881	858	635	434	137		270°	971	978	951	679	500
	平均	882	850	597	439	176		平均	933	928	910	740	525
备注													



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无源测试数据
Passive test data

ANT2 GAIN&Efficiency-WIFI2.4G

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	2400	-4.04	39.49	0.88
PASSIVE	2410	-4.04	39.41	0.8
PASSIVE	2420	-4.1	38.92	0.78
PASSIVE	2430	-4.21	37.89	0.63
PASSIVE	2440	-4.3	37.18	0.45
PASSIVE	2450	-4.36	36.63	0.23
PASSIVE	2460	-4.47	35.76	-0.09
PASSIVE	2470	-4.56	35	0.05
PASSIVE	2480	-4.83	32.92	0.1
PASSIVE	2490	-5.12	30.89	0.05
PASSIVE	2500	-5.11	30.82	-0.09



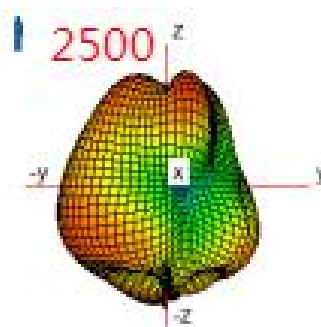
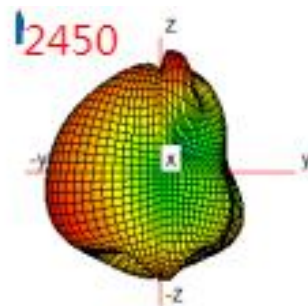
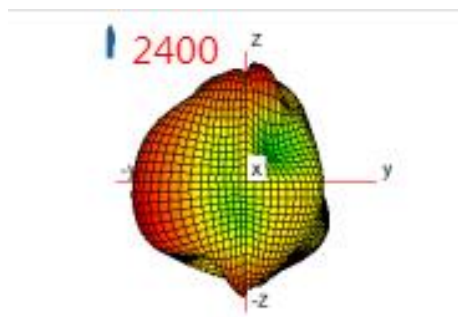
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无源测试数据
Passive test data

ANT2 Direction of figure(2.4G)





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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	-3.43	45.44	1.47
PASSIVE	5200	-3.3	46.76	1.51
PASSIVE	5250	-3.62	43.47	1.44
PASSIVE	5300	-3.82	41.46	1.4
PASSIVE	5350	-3.93	40.48	1.29
PASSIVE	5400	-3.76	42.05	1.16
PASSIVE	5450	-3.53	44.36	1.08
PASSIVE	5500	-3.62	43.48	1.02
PASSIVE	5550	-3.78	41.91	0.94
PASSIVE	5600	-3.98	39.96	1.05
PASSIVE	5650	-4.11	38.81	0.78
PASSIVE	5700	-4.11	38.84	0.26
PASSIVE	5750	-4.08	39.08	0.33
PASSIVE	5800	-3.98	40.02	0.31
PASSIVE	5850	-4.01	39.72	0.16



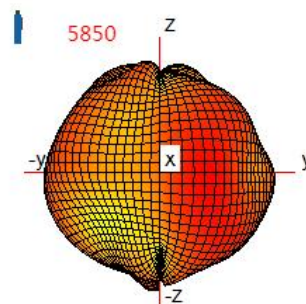
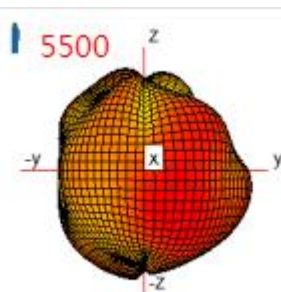
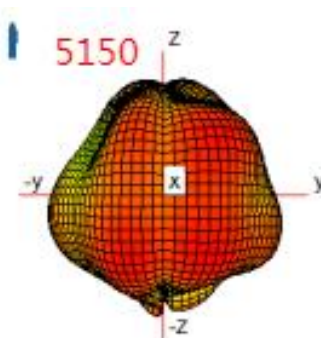
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无源测试数据
Passive test data

ANT2 Direction of figure(5G)





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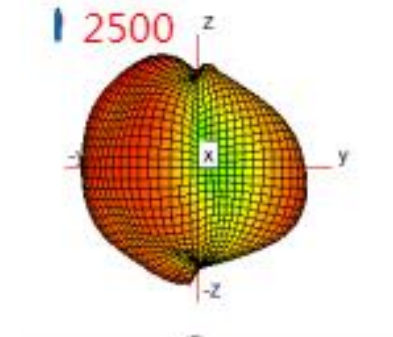
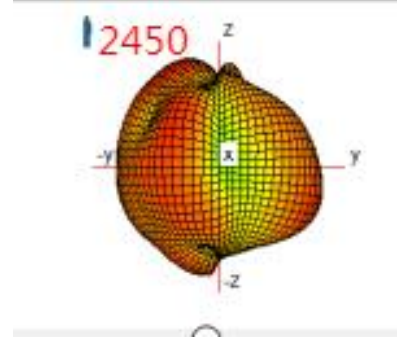
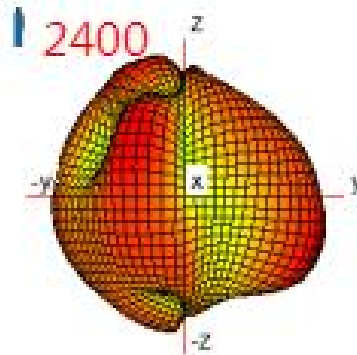
无源测试数据
Passive test data

ANT1 GAIN&Efficiency-WIFI2.4G/BT

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	2400	-3.28	46.94	0.9
PASSIVE	2410	-3.24	47.41	0.76
PASSIVE	2420	-3.26	47.17	0.71
PASSIVE	2430	-3.28	47.03	0.69
PASSIVE	2440	-3.21	47.73	0.92
PASSIVE	2450	-3.14	48.54	1.2
PASSIVE	2460	-3.16	48.32	1.32
PASSIVE	2470	-3.19	48.01	1.31
PASSIVE	2480	-3.23	47.58	1.2
PASSIVE	2490	-3.21	47.75	1.14
PASSIVE	2500	-3.26	47.21	1

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	-3.12	48.72	1.03
PASSIVE	5200	-2.91	51.12	1.19
PASSIVE	5250	-2.74	53.2	1.61
PASSIVE	5300	-2.78	52.71	1.63
PASSIVE	5350	-3.12	48.78	1.53
PASSIVE	5400	-3.52	44.47	1.21
PASSIVE	5450	-3.7	42.69	1.4
PASSIVE	5500	-3.9	40.7	1.56
PASSIVE	5550	-3.89	40.86	1.43
PASSIVE	5600	-3.79	41.8	1.65
PASSIVE	5650	-3.78	41.89	1.18
PASSIVE	5700	-3.84	41.27	0.49
PASSIVE	5750	-4.06	39.24	0.69
PASSIVE	5800	-4.2	38.02	0.63
PASSIVE	5850	-4.39	36.36	0.17



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无源测试数据
Passive test data

ANT1 Direction of figure(5G)

