



深圳市星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

规格承认书
Approval Sheet

客户名称 Customer	长城	日期 Data	2026/01/22
产品名称 Product	WiFi/BT天线	客户机型 Models	W14266
料号 P/N	F1466-14LB-210	客户料号 Customer P/N	1425365
规格描述 Specifications	FPC; RF0.81:L=210mm;		

供应商承认签印 Vender Approved By	客户承认签印 Customer Approved By
	
Checked By:	Checked By:
Audit By:	Audit By:
Approval By:	Approval By:

文件修订履历表					
版本 Version	修订内容 Revise The Content	修订人 Revused	核准 Approval	修订日期 Date	备注 Note

地址：深圳市宝安区沙井街道马安山社区马安山锦胜财富广场C栋610-614

Address:Room 610-614, Building C, Ma 'anshan Jinsheng Fortune Plaza, Ma 'anshan Community, Shajing Sub-district, Bao 'an District, Shenzhen City Tel: 0755-82103639 QQ: 487580356 Email: Stephdeng_Vis@126.com



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Specification

1.1 Electrical Properties

Characteristics	Specifications
Working Band	2.4G WiFi/5G WiFi
Antenna From	PIFA
Impedance	50 Ω
Polarization	Linear
Peak Effi	53.89%@2.4G; 48.66%@5G
Peak Gain	2.64dBi@2.4G; 2.04dBi@5G

1.2 Physical Properties

Characteristics	Specifications
Operating Temp	-10°C~+60°C
Storage Temp	-10°C~+70°C
Humidity	10~95%RH

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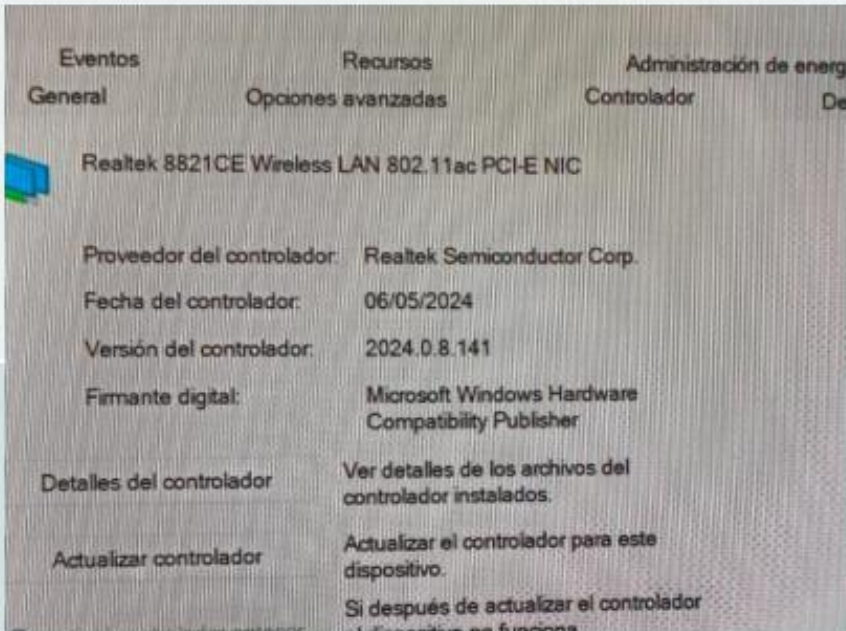
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WiFi Ant Test Information

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

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Antenna Placement



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Test Data

WiFi Active Test Data

802.11b	Frequency	TRP		(TIS)	
	2412	CH1 11Mbps	13.30	CH1 11Mbps	-74.76
	2437	CH6 11Mbps	13.19	CH6 11Mbps	-75.91
	2467	CH11 11Mbps	13.07	CH11 11Mbps	-76.93
802.11a		TRP		TIS	
	5180	CH36 6Mbps	12.39	CH36 54Mbps	-69.70
	5300	CH60 6Mbps	12.05	CH60 54Mbps	-68.56
	5805	CH161 6Mbps	12.68	CH161 54Mbps	-69.90

Efficiency Table(2.4G)

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	2400	-3.33	46.42	1.48
PASSIVE	2410	-3.22	47.62	1.79
PASSIVE	2420	-3.14	48.56	2.05
PASSIVE	2430	-3.07	49.3	2.26
PASSIVE	2440	-2.91	51.21	2.52
PASSIVE	2450	-2.78	52.74	2.64
PASSIVE	2460	-2.74	53.2	2.62
PASSIVE	2470	-2.7	53.74	2.63
PASSIVE	2480	-2.7	53.74	2.54
PASSIVE	2490	-2.69	53.86	2.43
PASSIVE	2500	-2.7	53.69	2.24

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Efficiency Table(5G)

测试频段	测试频率	Efficiency-DB	Efficiency-%	Gain(dBi)
PASSIVE	5150	-3.97	40.13	1.59
PASSIVE	5170	-4.03	39.55	1.11
PASSIVE	5190	-3.94	40.32	0.61
PASSIVE	5210	-3.84	41.35	0.32
PASSIVE	5230	-3.78	41.84	0.32
PASSIVE	5250	-3.69	42.73	0.46
PASSIVE	5270	-3.6	43.68	0.31
PASSIVE	5290	-3.46	45.08	0.51
PASSIVE	5310	-3.31	46.67	0.67
PASSIVE	5330	-3.17	48.19	1.1
PASSIVE	5350	-3.17	48.15	1.32
PASSIVE	5370	-3.15	48.47	1.57
PASSIVE	5390	-3.22	47.6	1.63
PASSIVE	5410	-3.23	47.58	1.82
PASSIVE	5430	-3.23	47.57	1.92
PASSIVE	5450	-3.2	47.9	2.04
PASSIVE	5470	-3.22	47.62	2.03
PASSIVE	5490	-3.26	47.2	1.98
PASSIVE	5510	-3.26	47.21	1.92
PASSIVE	5530	-3.29	46.88	1.8
PASSIVE	5550	-3.13	48.66	1.81
PASSIVE	5570	-3.15	48.47	1.53
PASSIVE	5590	-3.13	48.69	1.37
PASSIVE	5610	-3.27	47.05	1.08
PASSIVE	5630	-3.35	46.2	1.11
PASSIVE	5650	-3.32	46.54	1.1
PASSIVE	5670	-3.32	46.6	1.11
PASSIVE	5690	-3.32	46.54	0.92
PASSIVE	5710	-3.31	46.71	0.97
PASSIVE	5730	-3.36	46.13	1.19
PASSIVE	5750	-3.5	44.65	1.34
PASSIVE	5770	-3.51	44.61	1.54
PASSIVE	5790	-3.6	43.67	1.51
PASSIVE	5810	-3.66	43.04	1.51
PASSIVE	5830	-3.67	42.95	1.39
PASSIVE	5850	-3.78	41.86	1.28

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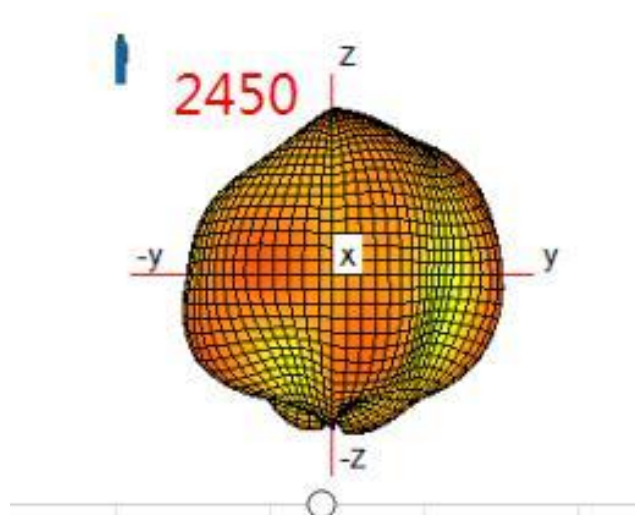
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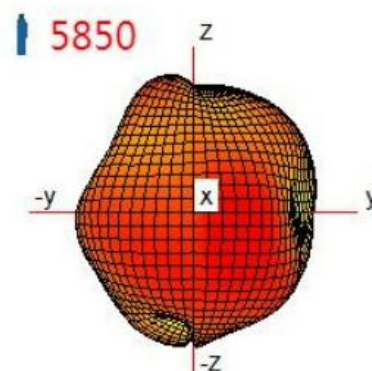
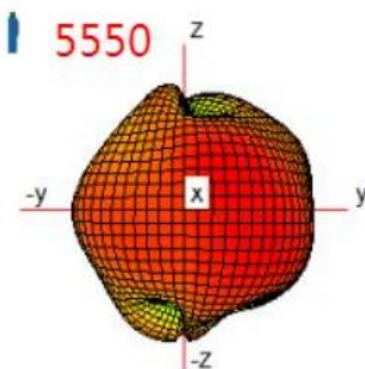
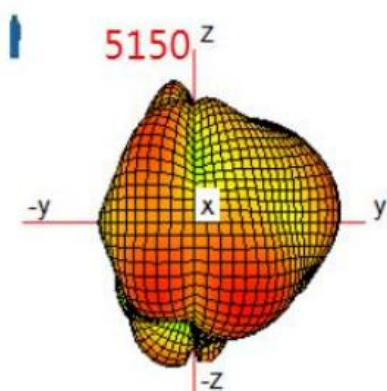
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Radiation Pattern (2.4G)



Radiation Pattern (5G)



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Throughput test (2.4G)

RVR测试系统(2.4G-N-40M-1-CH1)

TX		RX	
图片	WiFi RvR 测试数据(2G_n_40M_CH1_TX)	图片	WiFi RvR 测试数据(2G_n_40M_CH1_RX)
	角度\衰减		角度\衰减
	0°		0°
	90°		90°
	180°		180°
	270°		270°
	平均		平均
	0dB		0dB
	10dB		10dB
	20dB		20dB
	30dB		30dB
	40dB		40dB

Throughput test (5G)

RVR测试系统(5G-AC-80M-1-CH36)

TX		RX	
图片	WiFi RvR 测试数据(5G_ac_80M_CH36_TX)	图片	WiFi RvR 测试数据(5G_ac_80M_CH36_RX)
	角度\衰减		角度\衰减
	0°		0°
	90°		90°
	180°		180°
	270°		270°
	平均		平均
	0dB		0dB
	10dB		10dB
	20dB		20dB
	30dB		30dB
	40dB		40dB

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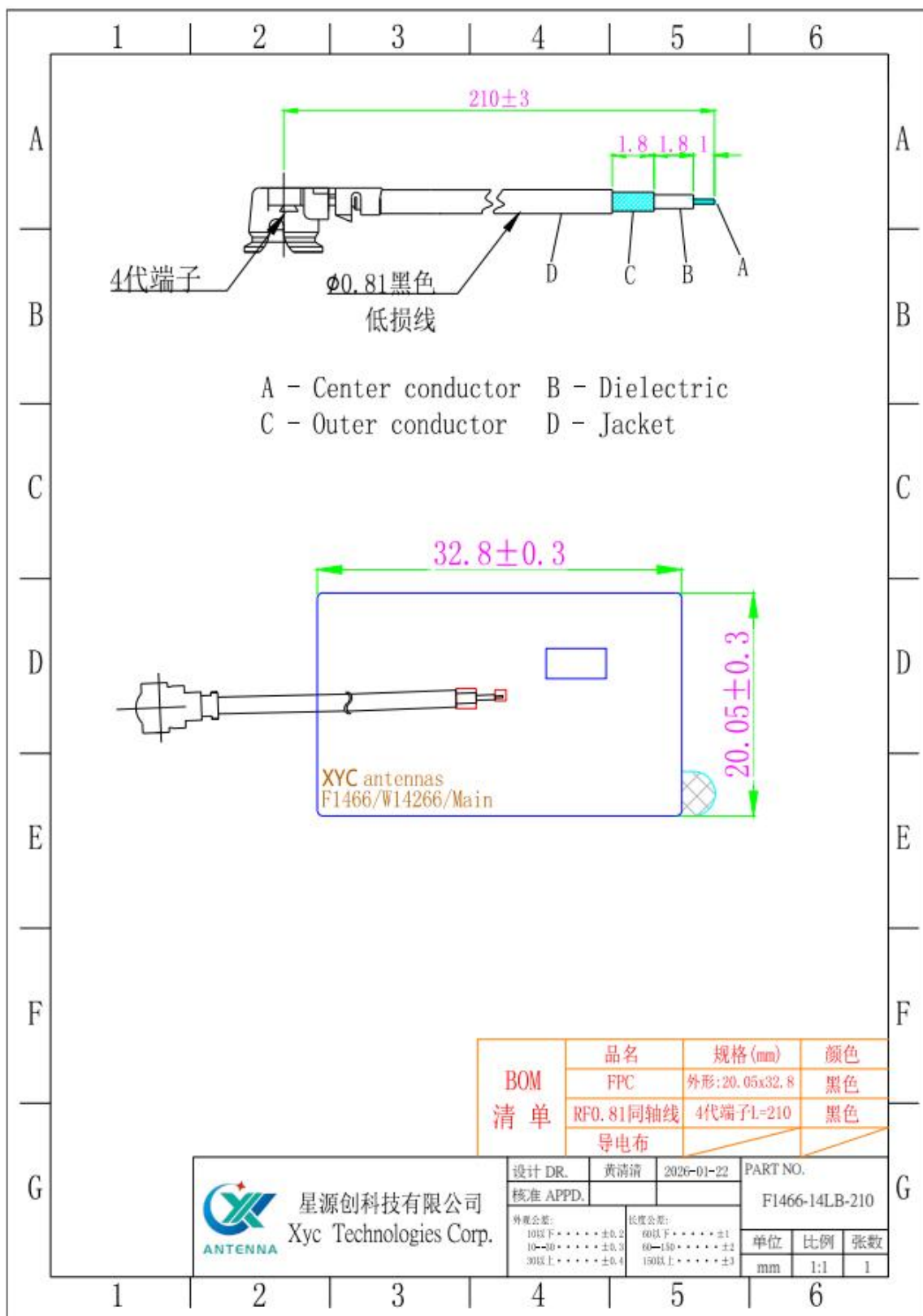
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Antenna Assembly



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