



深圳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	亿莱顿	日期 Data	2025/03/29
产品名称 Product	WIFI/BT天线	客户机型 Models	FA2769
料号 P/N	F1267E-12LB-240	客户料号 Customer P/N	
规格描述 Specifications	黑色FPC; RF0.81二代端子黑色同轴线, L=240mm		

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: 深圳市宝安区福永镇福海街道塘尾股份商务大厦1506

Address: 1506, Tangwei Business Building, Fuhai Street, Fuyong Town, Baoan District, Shenzhen

Tel: 0755-82103639 QQ: 487580356 Email: Stephdeng_Vis@126.com



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Specification

1.1 Electrical Properties

Characteristics	Specifications
Working Band	GPS; 2.4G WiFi/BT; 5G WiFi
Antenna From	PIFA
Impedance	50 Ω
Polarization	Linear
Peak Effi	47%@2.4G; 45%@5G
Peak Gain	2.2dBi@2.4G; 2.8dBi@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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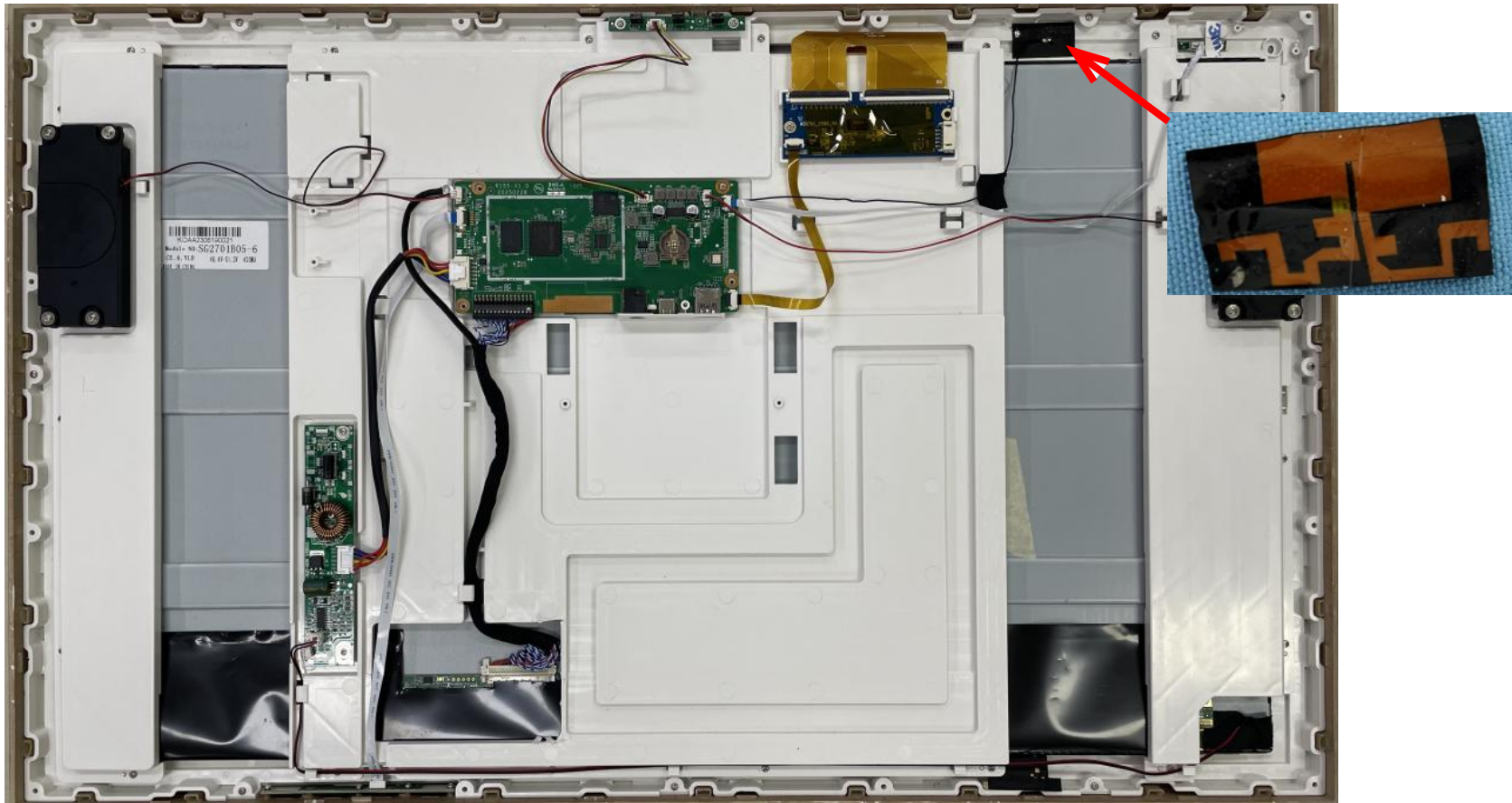
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Antenna Placement



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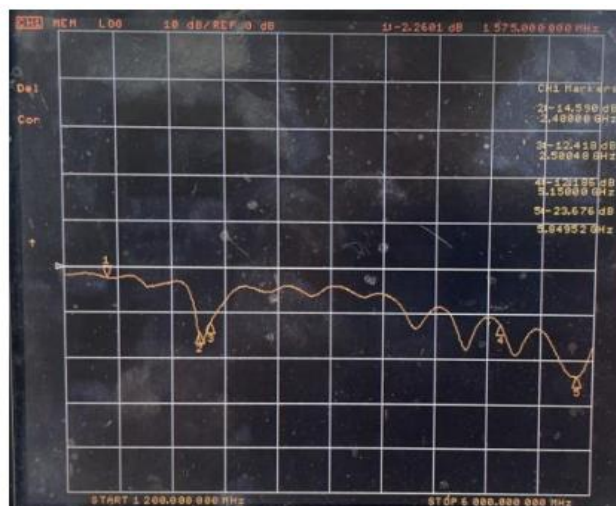
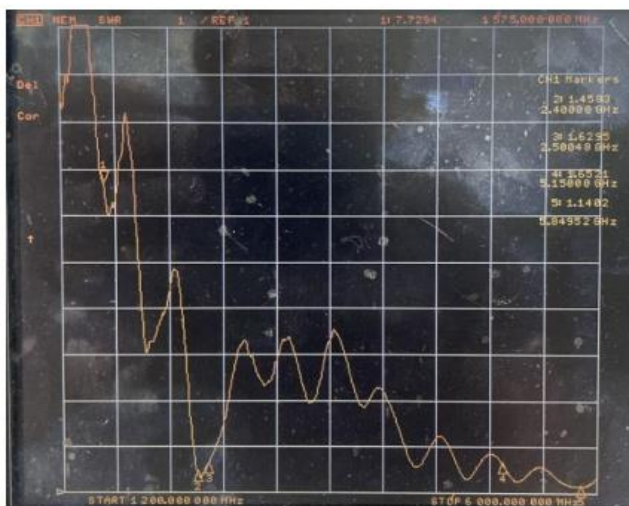


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Test Data

S11 Parameter-VSWR



Frequency (MHZ)	2400		2500	5150		5850
VSWR	1.45		1.62	1.65		1.14
Return Loss (DB)	-14.59		-12.41	-12.18		-23.67

WiFi Active test data

	Frequency	TRP		TIS	
802.11b	2412	CH1 11Mbps	11.71	CH1 11Mbps	-78.71
	2437	CH6 11Mbps	11.61	CH6 11Mbps	-78.53
	2467	CH11 11Mbps	11.43	CH11 11Mbps	-78.23
802.11g		TRP		TIS	
	2412	CH1 54Mbps	10.88	CH36 54Mbps	-69.42
	2437	CH6 54Mbps	10.43	CH60 54Mbps	-67.49
	2467	CH11 54Mbps	10.23	CH161 54Mbps	-68.45
802.11n		TRP		TIS	
	2412	CH1 MCS7	11.58	CH1 MCS7	-65.10
	2437	CH6 MCS7	11.75	CH6 MCS7	-63.62
	2467	CH11 MCS7	10.83	CH11 MCS7	-63.77
802.11a		TRP		TIS	
	5180	CH1 54Mbps	11.07	CH36 54Mbps	-71.42
	5300	CH6 54Mbps	12.60	CH60 54Mbps	-69.76
	5805	CH11 54Mbps	12.56	CH161 54Mbps	-71.29

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Efficiency Table

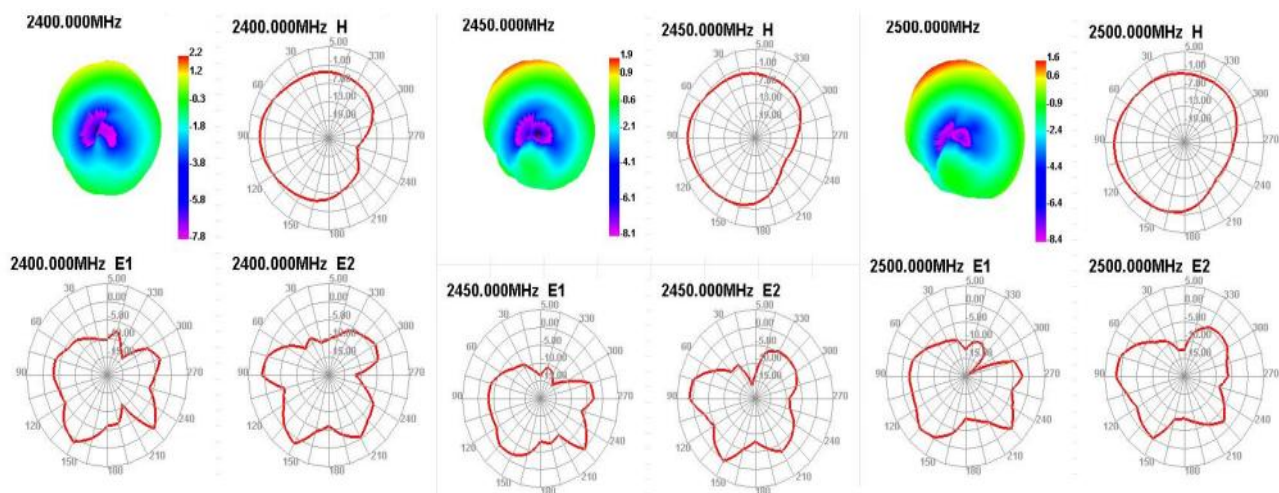
Passive Test For WIFI2.4						
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)
2400	43.75	-3.59	2.16	0.01	16.954	26.794
2410	42.94	-3.67	2.22	0.07	16.929	26.007
2420	41.35	-3.84	2.12	-0.03	16.551	24.797
2430	40.1	-3.97	2.03	-0.12	16.154	23.946
2440	40.1	-3.97	1.95	-0.2	16.294	23.802
2450	40.72	-3.9	1.85	-0.3	16.673	24.044
2460	41.96	-3.77	1.73	-0.42	17.344	24.614
2470	42.55	-3.71	1.5	-0.65	17.695	24.851
2480	45.66	-3.4	1.63	-0.52	19.091	26.574
2490	46.45	-3.33	1.63	-0.52	19.239	27.207
2500	47.35	-3.25	1.63	-0.52	19.147	28.201
Passive Test For WIFI5.8						
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)
5150	40.61	-3.91	1.96	-0.19	25.164	15.441
5170	40.33	-3.94	1.87	-0.28	24.459	15.869
5190	40.39	-3.94	1.91	-0.24	24.198	16.194
5210	39	-4.09	1.7	-0.45	23.454	15.545
5230	39.76	-4.01	2.11	-0.04	24.141	15.618
5250	38.48	-4.15	2.07	-0.08	23.365	15.112
5270	39.87	-3.99	2.29	0.14	24.186	15.679
5290	41.51	-3.82	2.31	0.16	25.528	15.985
5310	39.45	-4.04	2.06	-0.09	24.489	14.959
5330	39.26	-4.06	1.76	-0.39	24.367	14.895
5350	41.84	-3.78	1.98	-0.17	25.836	16.004
5370	40.63	-3.91	1.92	-0.23	25.193	15.44
5390	38.16	-4.18	1.53	-0.62	23.796	14.36
5410	45.44	-3.43	2.58	0.43	28.126	17.314
5430	42.53	-3.71	2.15	0	25.842	16.687
5450	42.72	-3.69	1.96	-0.19	25.897	16.826
5470	41.85	-3.78	1.64	-0.51	25.879	15.975
5490	40.13	-3.97	1.07	-1.08	25.303	14.824
5510	40.69	-3.91	1.36	-0.79	25.555	15.132
5530	42.02	-3.77	1.76	-0.39	26.237	15.782
5550	44.09	-3.56	1.86	-0.29	27.632	16.462
5570	42.87	-3.68	1.72	-0.43	26.848	16.023
5590	43.55	-3.61	1.92	-0.23	26.892	16.662
5610	45.08	-3.46	2.03	-0.12	27.432	17.645
5630	45.66	-3.4	2.19	0.04	27.952	17.708
5650	44.99	-3.47	2.51	0.36	27.94	17.053
5670	44.69	-3.5	2.84	0.69	27.918	16.77
5690	40.1	-3.97	2.15	0	24.842	15.257
5710	43.06	-3.66	2.05	-0.1	26.525	16.537
5730	39.65	-4.02	1.8	-0.35	24.504	15.141
5750	40.89	-3.88	2.14	-0.01	25.237	15.651
5770	40.02	-3.98	1.9	-0.25	24.316	15.703
5790	41.16	-3.86	1.47	-0.68	24.653	16.503
5810	42.08	-3.76	1.93	-0.22	25.102	16.977
5830	45.68	-3.4	2.53	0.38	27.23	18.451
5850	44.4	-3.53	2.32	0.17	26.37	18.035

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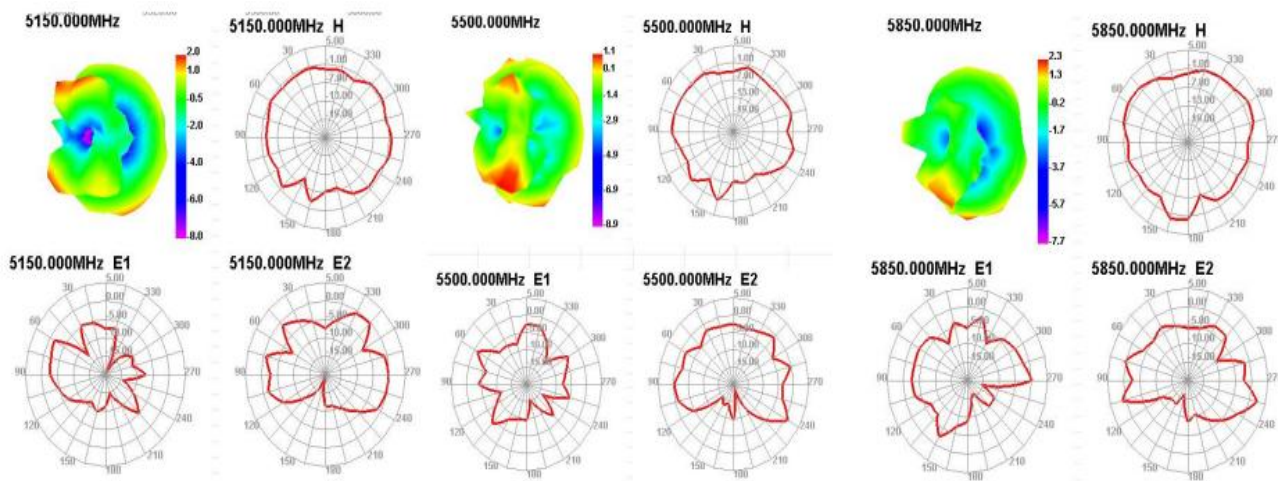
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Radiation Pattern(2.4G)



Radiation Pattern(5G)

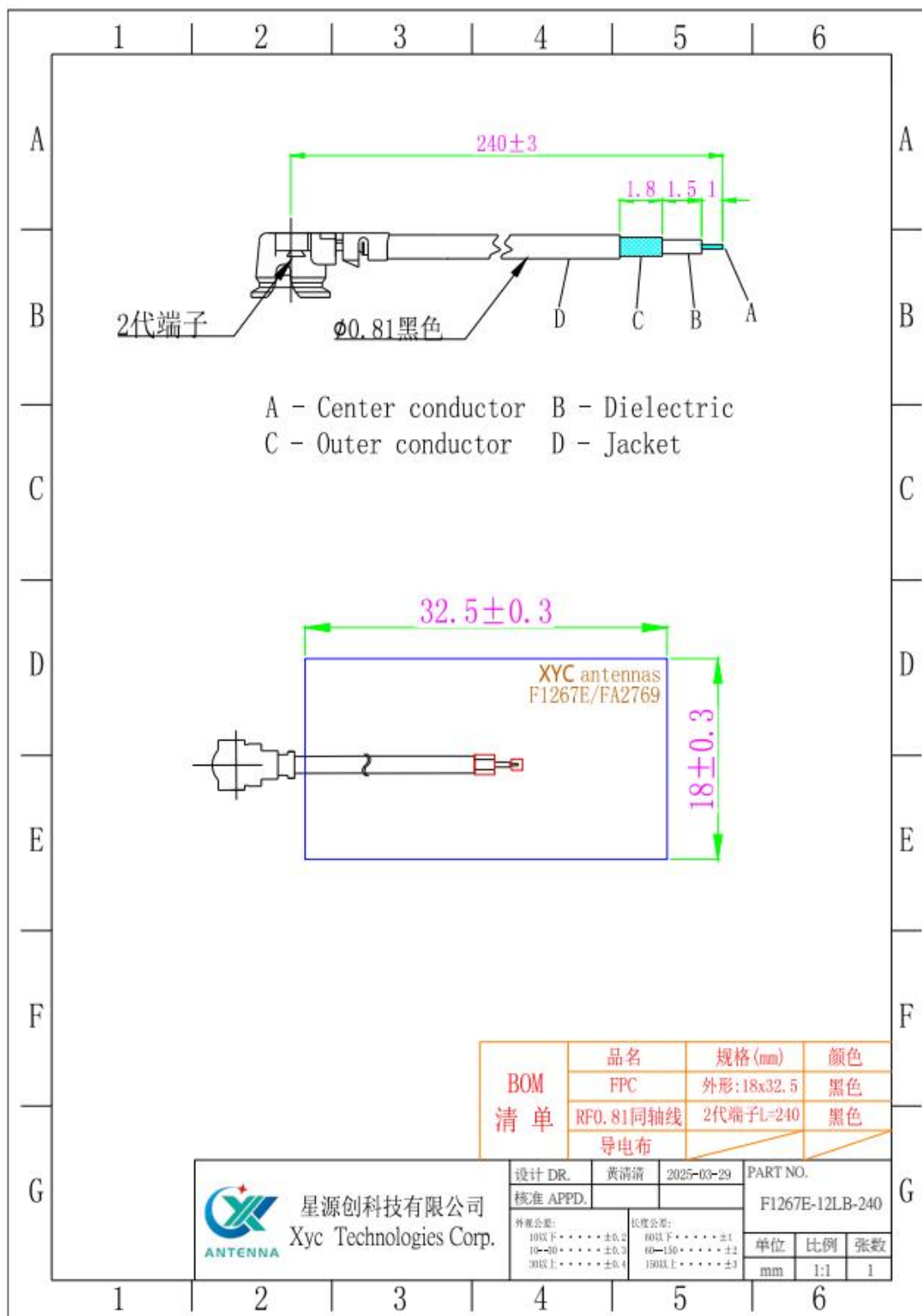




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