



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	美迪飞	日期 Data	2025/08/05
产品名称 Product	WIFI/BT天线	客户机型 Models	V5
料号 P/N	T741D-13RB-058	客户料号 Customer P/N	V5-013
规格描述 Specifications	黑色FPC; RF0.81三代端子黑色同轴线, L=58mm		

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'an Shan Jinsheng Fortune Plaza, Ma'an Shan Community, Shajing Sub-district, Bao'an District, Shenzhen City Tel: 0755-82103639 QQ: 487580356 Email: Stephdeng_Vis@126.com



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Content		
NO.	Proect	Page NO.
1	Specification	3
2	Antenna Placement	4
3	Test Data	5~~7
4	Antenna Assembly	8
5	Notes	9

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Specification

1.1 Electrical Properties

Characteristics	Specifications
Working Band	2.4G WiFi/BT; 5G WiFi
Antenna From	PIFA
Impedance	50 Ω
Polarization	Linear
Peak Effi	45%@2.4G; 43%@5G
Peak Gain	1.11dBi@2.4G; 3.86dBi@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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Test Data

WiFi Active test data

802.11b	Frequency	TRP		TIS	
	2412	CH1 11Mbps	12.77	CH1 11Mbps	-78.87
	2437	CH6 11Mbps	13.94	CH6 11Mbps	-81.64
	2467	CH11 11Mbps	13.24	CH11 11Mbps	-79.37
802.11a		TRP		TIS	
	5180	CH36 6Mbps	11.64	CH36 54Mbps	-73.67
	5300	CH60 6Mbps	11.87	CH60 54Mbps	-73.65
	5805	CH161 6Mbps	8.69	CH161 54Mbps	-72.14

Efficiency Table(2.4G)

Passive Test For WIFI2.4				
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	45.13	-3.46	0.88	-1.27
2410	42.57	-3.71	1	-1.15
2420	41.64	-3.8	1.11	-1.04
2430	41.32	-3.84	1.08	-1.07
2440	42.92	-3.67	1.05	-1.1
2450	43.18	-3.65	0.77	-1.38
2460	46.28	-3.35	0.78	-1.37
2470	46.06	-3.37	0.47	-1.68
2480	41.44	-3.83	-0.19	-2.34
2490	37.95	-4.21	-0.7	-2.85
2500	45.91	-3.38	0.02	-2.13

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Efficiency Table(5G)

Passive Test For WIFI5G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)
5150	35.45	-4.5	1.07	-1.08	20.195	15.259
5170	39.68	-4.01	1.85	-0.3	22.411	17.269
5190	31.79	-4.98	1.25	-0.9	18.094	13.691
5210	33.96	-4.69	1.81	-0.34	19.563	14.397
5230	32.01	-4.95	1.68	-0.47	18.424	13.585
5250	35.45	-4.5	2.18	0.03	20.088	15.361
5270	36.53	-4.37	2.35	0.2	20.562	15.969
5290	35.59	-4.49	2.19	0.04	20.19	15.398
5310	34.24	-4.65	1.92	-0.23	19.521	14.722
5330	37.22	-4.29	2.3	0.15	21.366	15.849
5350	43.34	-3.63	3.19	1.04	24.708	18.631
5370	40.79	-3.89	3.07	0.92	23.023	17.766
5390	42.04	-3.76	3.3	1.15	23.679	18.366
5410	38.47	-4.15	2.91	0.76	21.761	16.711
5430	38.28	-4.17	2.95	0.8	21.783	16.495
5450	37.42	-4.27	3.04	0.89	21.391	16.027
5470	39.76	-4	3.38	1.23	22.988	16.777
5490	36.91	-4.33	3.16	1.01	21.515	15.393
5510	41.24	-3.85	3.73	1.58	23.958	17.281
5530	34.92	-4.57	3.24	1.09	19.962	14.962
5550	39.13	-4.07	3.86	1.71	22.077	17.058
5570	35.73	-4.47	3.55	1.4	19.979	15.748
5590	37.63	-4.25	3.75	1.6	21.003	16.623
5610	33.6	-4.74	3.08	0.93	18.799	14.804
5630	37.13	-4.3	3.35	1.2	20.753	16.377
5650	33.6	-4.74	2.66	0.51	18.834	14.761
5670	35.14	-4.54	2.5	0.35	20.059	15.082
5690	34.96	-4.56	2.09	-0.06	20.244	14.711
5710	34.24	-4.65	1.6	-0.55	19.949	14.29
5730	32.41	-4.89	0.8	-1.35	18.915	13.498
5750	32.75	-4.85	0.08	-2.07	19.221	13.531
5770	39.37	-4.05	0.49	-1.66	23.194	16.18
5790	32.95	-4.82	-0.22	-2.37	19.333	13.621
5810	36.87	-4.33	0.56	-1.59	21.667	15.2
5830	32.52	-4.88	-0.07	-2.22	19.022	13.5
5850	36.56	-4.37	0.25	-1.9	21.363	15.197

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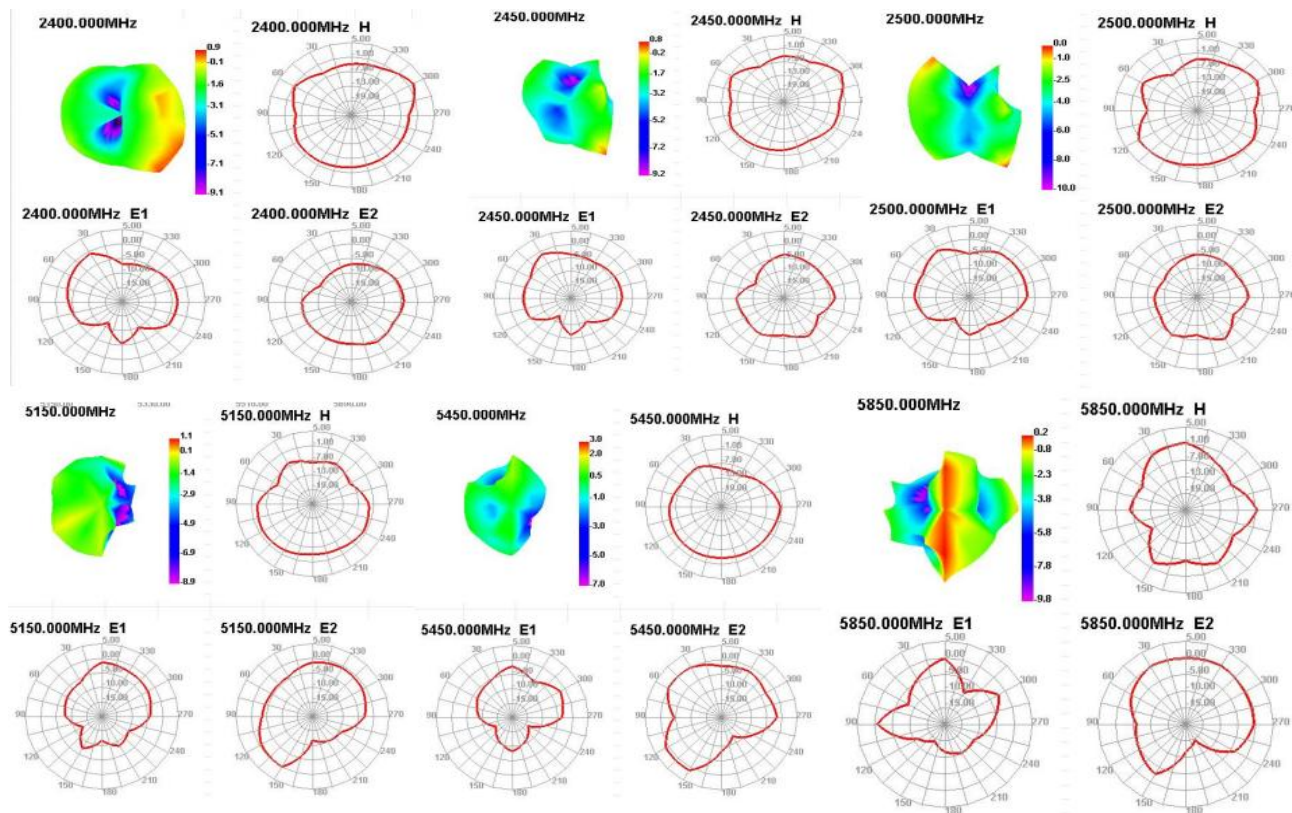
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Radiation Pattern



WIFI/BT Measured

WIFI

测试环境：开放空间

测试工具：Wifi Analytical Assistant

测试距离：10m

信号强度：2.4G :-43dBm 5G:-52dBm

测试结果如右图

BT

测试环境：开放空间(通道)

测试工具：蓝牙音响

测试距离：10+m

结果：播放音乐流畅，无杂音。

HOTSPOT LIST					MAC	AP
SSID	DEVICE	RSSI	FREQUENC Y	CHANNEL		
XYC2022	TP-LINK	-39	2442	7		
ChinaNet-Ht8u	00:6b:6f:5f:7e:e8	-40	5180	36		
—	08:79:8c:1d:57:4c	-40	5180	36		
—	08:79:8c:1d:57:48	-41	2437	6		
—	00:6b:6f:5f:7e:e4	-51	2462	11		
< Hidden SSID >	08:79:8c:1d:57:4f	-41	5180	36		
TP-LINK_4160	TP-LINK	-43	2412	1		
XYC2023	70:85:c4:73:7d:ad	-46	2432	5		
TP-LINK_5G_4160	TP-LINK	-52	5805	161		
TP-LINK_5G2_9660	TP-LINK	-53	5765	153		
XYC2022-5G	TP-LINK	-55	5180	36		
XYC2023_5G	72:85:c4:93:7d:ad	-55	5320	64		
HUAWEI_WI-FI5	02:4a:6a:6e:05:a5	-55	5765	153		
HUAWEI2023	a2:fc:3b:6d:22:a9	-56	2437	6		
HUAWEI	02:4a:6a:6e:05:9a	-56	5765	153		
DIRECT-dc-HP M281 LaserJet	8e:c8:4b:78:c2:dc	-57	2437	6		
HUAWEI2023_5G	a2:fc:3b:6d:22:ad	-64	5180	36		
avgvape	08:79:8c:24:47:fc	-66	2462	11		
—	00:6b:6f:67:4e:30	-74	2412	1		
< Hidden SSID >	a2:2b:a6:cf:a9:e7	-68	2437	6		
MOSH	3c:6a:48:67:cb:ec	-69	2437	6		
—	3c:6a:48:67:cb:ee	-76	5785	157		
< Hidden SSID >	3e:6a:48:65:cb:ec	-70	2437	6		
Xiaomi_C502	a4:39:b3:b5:c5:03	-70	2442	7		
DESKTOP-6HATVNH 0660	2a:6b:35:62:87:61	-72	2412	1		

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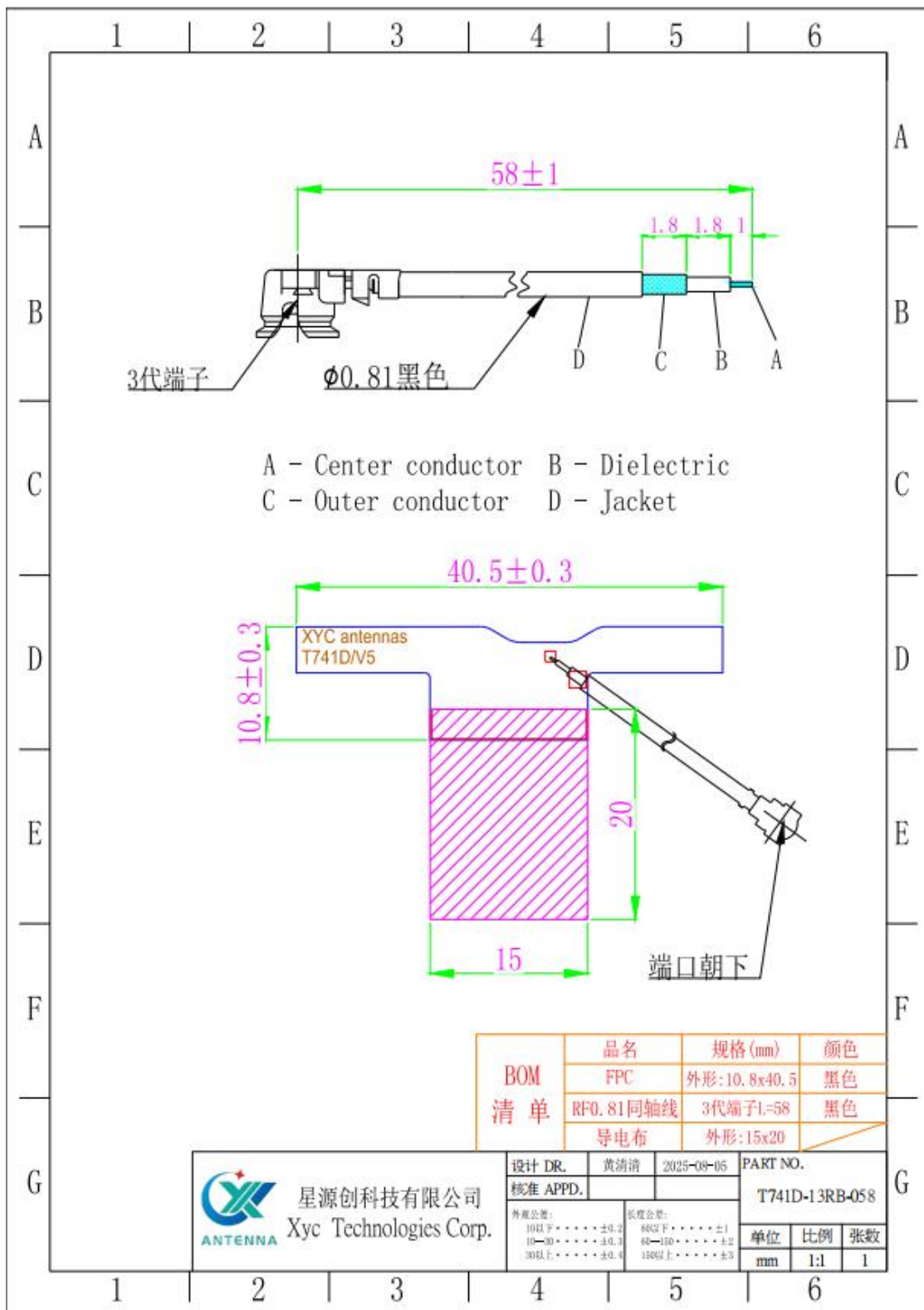
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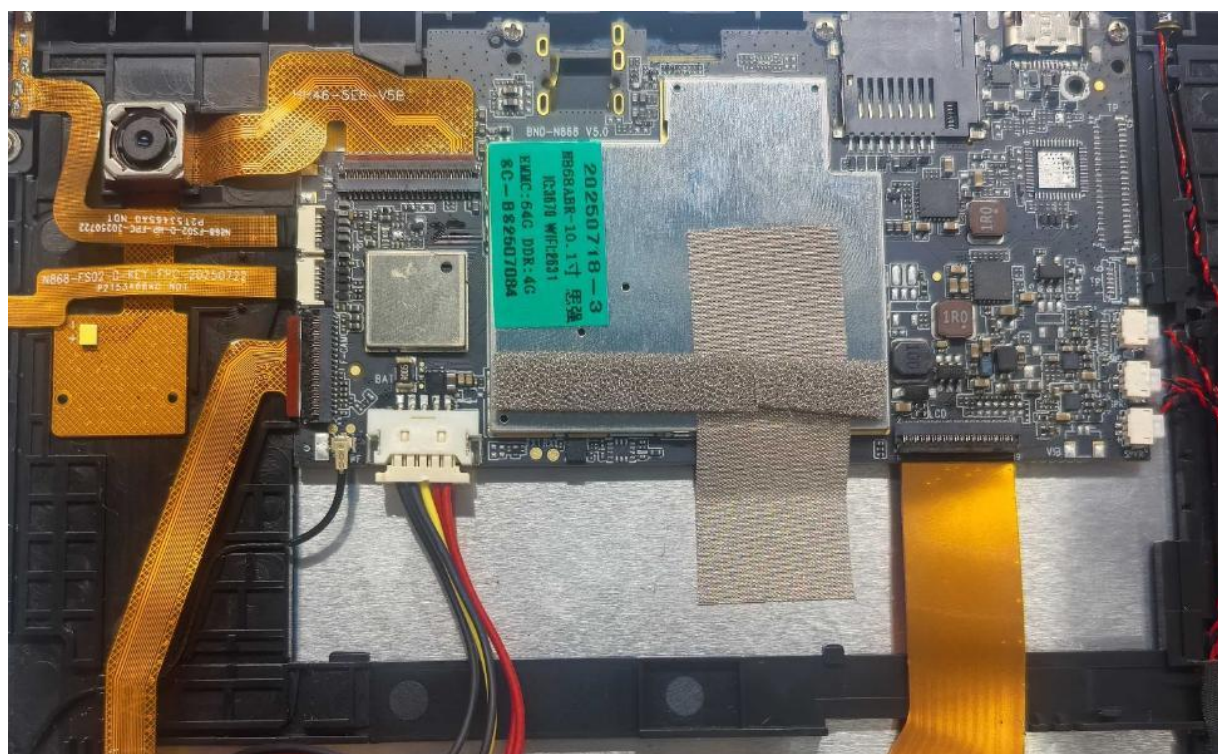
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Antenna Assembly



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