



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	鼎匠	日期 Data	2026/04/20
产品名称 Product	WIFI 3天线	客户机型 Models	AD014
料号 P/N	F1429-12LB-120	客户料号 Customer P/N	827-1000-00026
规格描述 Specifications	黑色FPC; RF0.81二代端子黑色同轴线, L=120毫米		

供应商承认签印 Vender Approved By	客户承认签印 Customer Approved By
Checked By:	Checked 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
A1	更新成品图	黄		4/20	

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	58.10%@2.4G; 45.15%@5G
Peak Gain	3.40dBi@2.4G; 1.48dBi@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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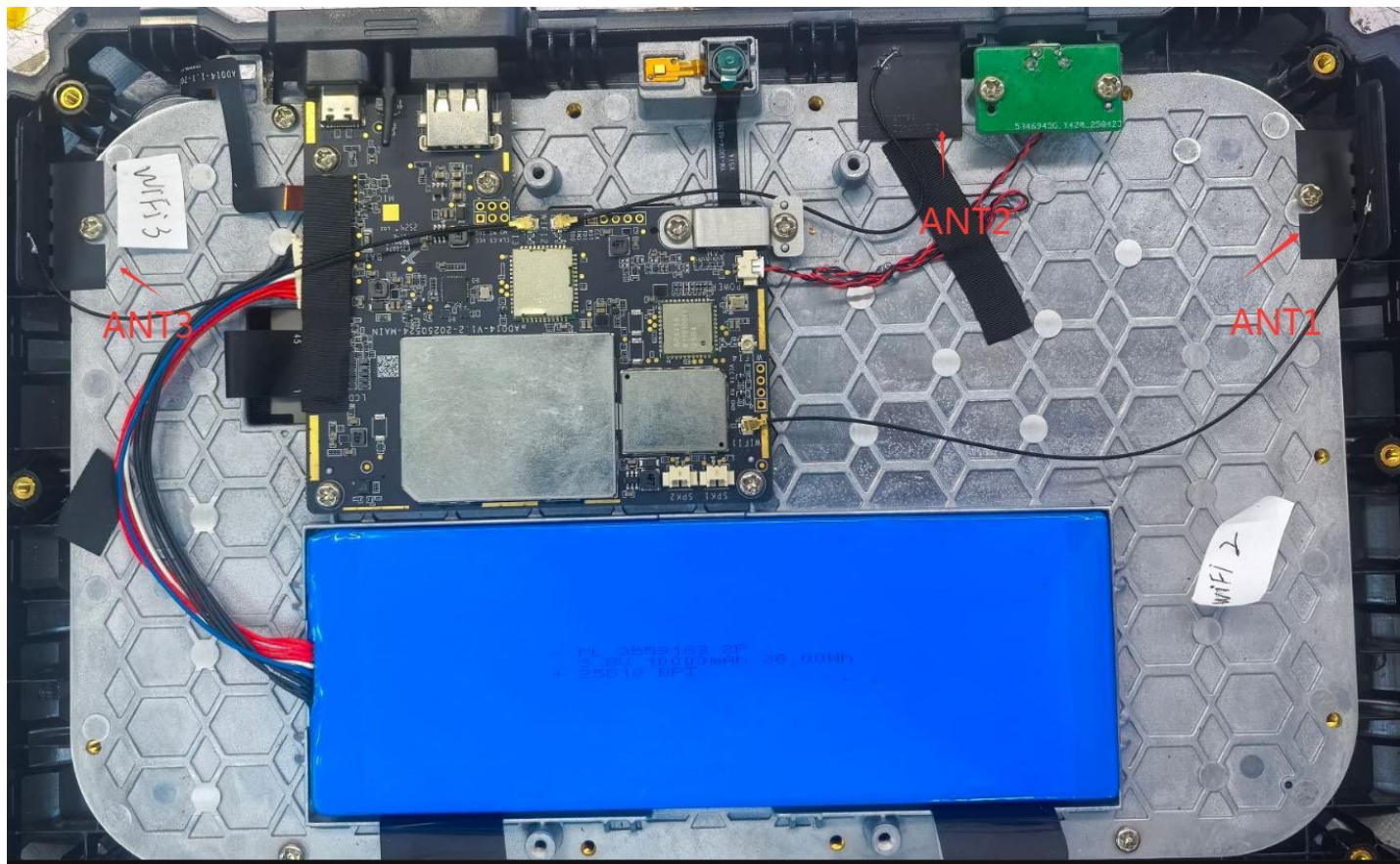
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Antenna Placement



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Test Data

Active test data

802.11b	Frequency	TRP		TIS	
	2412	CH1 11Mbps	15.0	CH1 11Mbps	-84.37
	2437	CH6 11Mbps	15.45	CH6 11Mbps	-84.25
	2467	CH11 11Mbps	14.94	CH11 11Mbps	-84.67
802.11a		TRP		TIS	
	5180	CH36 6Mbps	10.72	CH36 54Mbps	-72.88
	5300	CH60 6Mbps	10.24	CH60 54Mbps	-72.94
	5805	CH161 6Mbps	10.06	CH161 54Mbps	-71.38

Efficiency Table (2.4G)

Passive Test For WIFI2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	49.32	-3.07	2.7	0.55	22.965	26.359	2.7	-12.62	5.77	60	45.78	46.01
2410	49.53	-3.05	2.58	0.43	22.993	26.534	2.58	-12	5.63	60	46.01	46.29
2420	49.39	-3.06	2.49	0.34	23.413	25.975	2.49	-11.73	5.55	60	45.73	46
2430	50.48	-2.97	2.82	0.67	23.781	26.699	2.82	-12.75	5.78	60	46.01	46.36
2440	53.17	-2.74	3.11	0.96	25.211	27.962	3.11	-13.44	5.85	60	46.12	46.48
2450	52.16	-2.83	2.93	0.78	24.79	27.374	2.93	-13.3	5.76	60	46.12	46.54
2460	57.54	-2.4	3.36	1.21	27.584	29.957	3.36	-12.38	5.76	30	46.14	46.52
2470	58.1	-2.36	3.4	1.25	27.906	30.199	3.4	-11.86	5.76	30	46.4	46.8
2480	55.93	-2.52	3.27	1.12	26.993	28.94	3.27	-11.83	5.79	30	46.26	46.64
2490	56.07	-2.51	3.23	1.08	27.215	28.856	3.23	-11.93	5.75	60	46.51	46.91
2500	53.02	-2.76	2.84	0.69	25.81	27.206	2.84	-12.65	5.59	60	46.47	46.86

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Efficiency Table (5G)

Passive Test For WIFI5G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	29.82	-5.25	-0.29	-2.44	17.824	11.997	-0.29	-23.64	4.96	90	49.82	49.4
5170	28.37	-5.47	-0.56	-2.71	16.712	11.656	-0.56	-18.54	4.92	0	50.13	49.77
5190	31.4	-5.03	-0.23	-2.38	18.198	13.204	-0.23	-15.73	4.8	150	50.42	49.95
5210	30.87	-5.1	-0.23	-2.38	17.595	13.276	-0.23	-14.36	4.87	30	50.88	50.49
5230	31.44	-5.03	-0.16	-2.31	17.507	13.931	-0.16	-14.42	4.86	30	50.42	50.08
5250	34.6	-4.61	0.45	-1.7	19.111	15.486	0.45	-13.21	5.06	30	51.02	50.72
5270	34.07	-4.68	0.45	-1.7	18.687	15.383	0.45	-13.68	5.12	0	50.85	50.6
5290	39.87	-3.99	1.39	-0.76	21.87	18.004	1.39	-12.65	5.38	0	51.34	51.12
5310	32.99	-4.82	0.6	-1.55	18.024	14.968	0.6	-14.91	5.42	60	50.44	50.36
5330	35.92	-4.45	1.06	-1.09	19.721	16.203	1.06	-15.76	5.5	60	51.08	51.01
5350	38.1	-4.19	1.37	-0.78	20.832	17.264	1.37	-14.43	5.56	60	51.02	51.01
5370	37.5	-4.26	1.22	-0.93	20.63	16.866	1.22	-14.15	5.48	90	50.91	50.95
5390	32.7	-4.85	0.54	-1.61	17.912	14.79	0.54	-14.56	5.39	180	50.46	50.43
5410	38.65	-4.13	0.89	-1.26	21.006	17.647	0.89	-15.94	5.02	150	51.18	51.09
5430	34.7	-4.6	-0.05	-2.2	18.924	15.778	-0.05	-16.01	4.55	150	50.69	50.7
5450	37.19	-4.3	0.06	-2.09	20.208	16.983	0.06	-14.66	4.35	150	50.71	50.85
5470	35.08	-4.55	-0.55	-2.7	18.902	16.18	-0.55	-14.63	4	180	50.93	50.83
5490	37.04	-4.31	-0.36	-2.51	19.674	17.37	-0.36	-16.22	3.95	150	50.92	50.79
5510	37.5	-4.26	-0.03	-2.18	19.976	17.523	-0.03	-18.32	4.23	90	51.18	51.16
5530	37.49	-4.26	0	-2.15	20.073	17.416	0	-18.04	4.26	90	51.44	51.3
5550	42.09	-3.76	0.61	-1.54	22.643	19.444	0.61	-15.35	4.37	90	51.89	51.76
5570	38.16	-4.18	0.18	-1.97	20.459	17.703	0.18	-14.83	4.37	90	51.42	51.33
5590	37.4	-4.27	-0.28	-2.43	20.159	17.24	-0.28	-16.16	4	90	51.71	51.76
5610	36.23	-4.41	-0.52	-2.67	19.666	16.568	-0.52	-16.57	3.89	90	51.17	51.22
5630	37.65	-4.24	-0.05	-2.2	20.582	17.064	-0.05	-17.35	4.19	150	51.78	51.77
5650	37.31	-4.28	0.4	-1.75	20.211	17.1	0.4	-19.25	4.68	150	51.47	51.55
5670	44.36	-3.53	1.18	-0.97	23.876	20.487	1.18	-19.83	4.71	150	52.12	52.28
5690	39.67	-4.02	0.64	-1.51	21.241	18.427	0.64	-18.29	4.66	0	52.12	52.25
5710	45.15	-3.45	1.48	-0.67	24.264	20.884	1.48	-15.75	4.94	0	51.95	52.05
5730	38.82	-4.11	0.9	-1.25	20.554	18.264	0.9	-16.51	5.01	0	51.59	51.69
5750	34.33	-4.64	0.19	-1.96	18.085	16.245	0.19	-17.93	4.83	0	51.12	51.15
5770	33.59	-4.74	-0.06	-2.21	17.8	15.789	-0.06	-16.67	4.67	0	51.02	51.06
5790	35.64	-4.48	0.37	-1.78	18.933	16.707	0.37	-17.73	4.85	0	51.08	51.16
5810	38.49	-4.15	0.76	-1.39	20.294	18.191	0.76	-14.99	4.91	0	51.36	51.43
5830	41.69	-3.8	0.9	-1.25	21.856	19.839	0.9	-12.88	4.7	30	51.65	51.66
5850	40.41	-3.94	0.55	-1.6	21.147	19.263	0.55	-14.21	4.48	0	51.88	52.05

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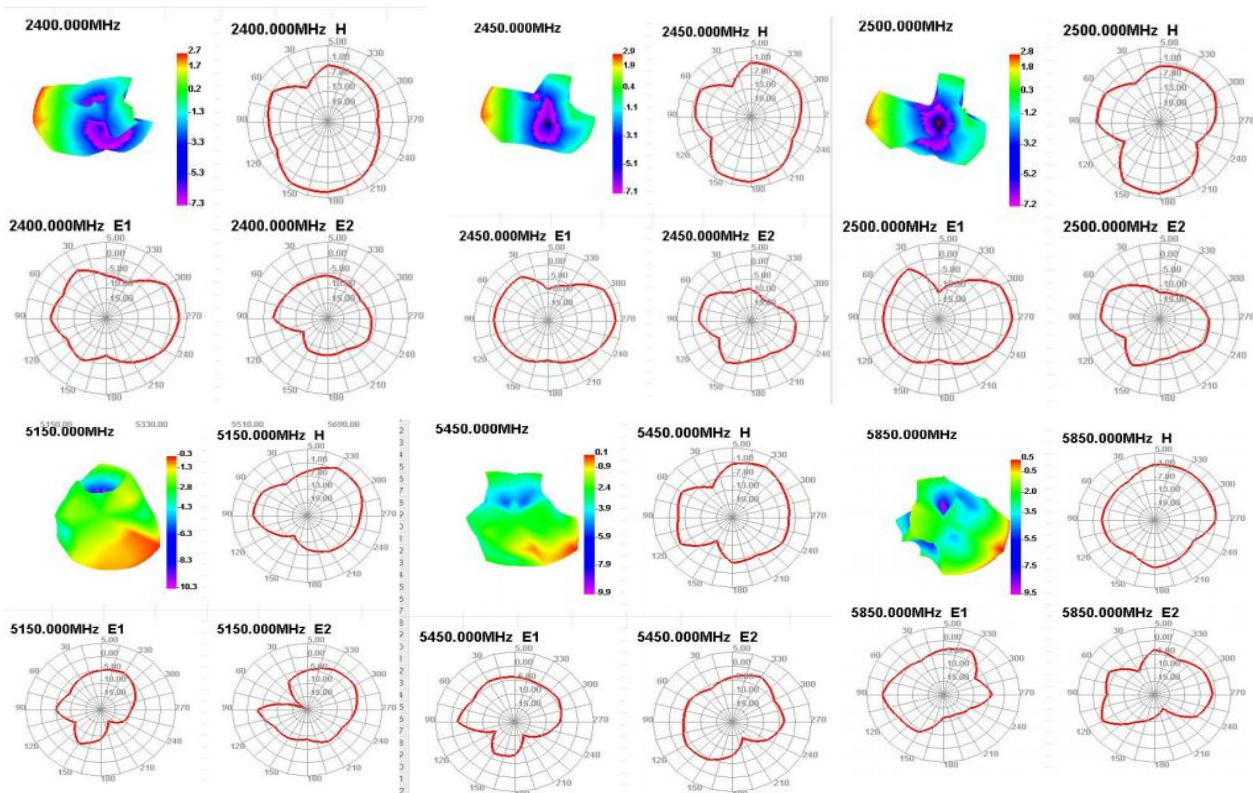
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Radiation Pattern



WIFI/BT Measured



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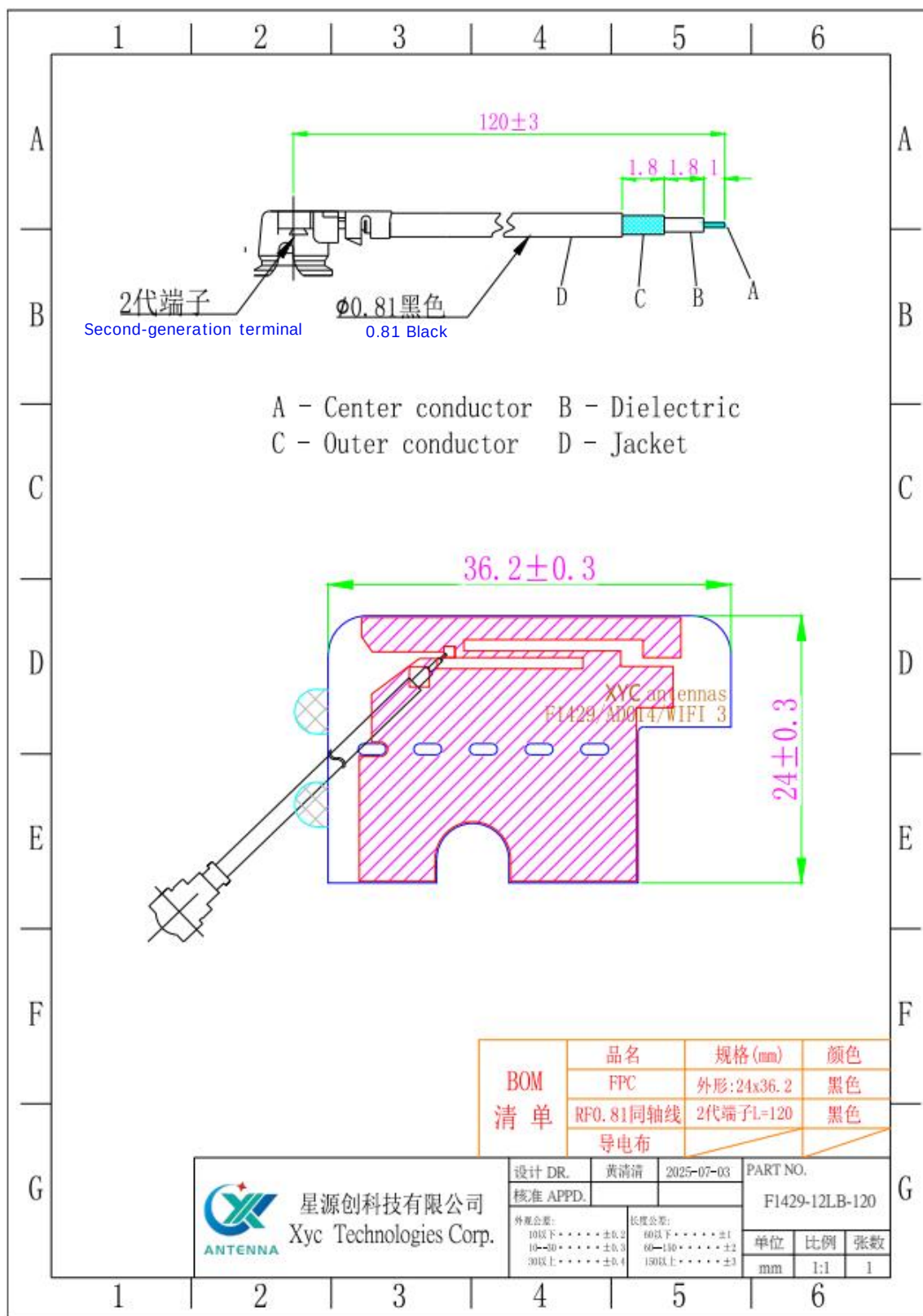
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Antenna Assembly



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Inspection Standard

深圳市星源创科技有限公司	文件编码	XYC-WI-PZ-02	页号
	文件版本	A0	1 of 1
文件名称	抽样计划		

抽样水平对照表

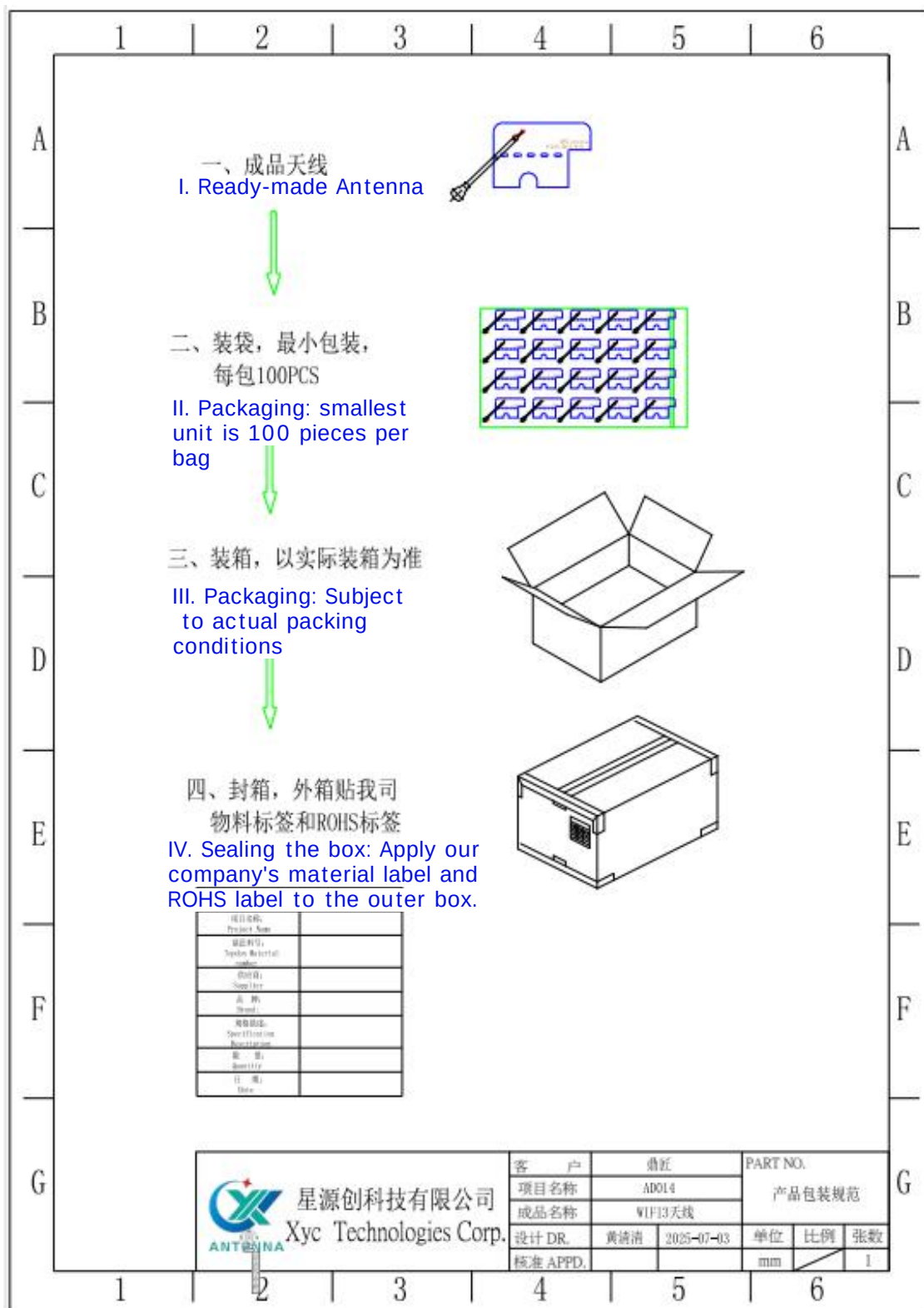
特殊检查水平				一般检查水平			批量范围	样本字码	抽样数	0.65		1.0		1.5		2.5		4.0		6.0	
S-1	S-2	S-3	S-4	I	II	III				AC	RE	AC	RE	AC	RE	AC	RE	AC	RE	AC	RE
A	A	A	A	A	A	B	2---8	A	2	0	1	0	1	0	1	0	1	0	1	0	1
A	A	A	A	A	B	C	9---15	B	3	0	1	0	1	0	1	0	1	0	1	0	1
A	A	B	B	B	C	D	16---25	C	5	0	1	0	1	0	1	0	1	0	1	1	2
A	B	B	C	C	D	E	26---50	D	8	0	1	0	1	0	1	0	1	1	2	1	2
B	B	C	C	C	E	F	51---90	E	13	0	1	0	1	0	1	1	2	1	2	2	3
B	B	C	D	D	F	G	91---150	F	20	0	1	0	1	1	2	1	2	2	3	3	4
B	C	D	E	E	G	H	151---280	G	32	0	1	1	2	1	2	2	3	3	4	5	6
B	C	D	E	F	H	J	281---500	H	50	1	2	1	2	2	3	3	4	5	6	7	8
C	C	E	F	G	J	K	501---1200	J	80	1	2	2	3	3	4	5	6	7	8	10	11
C	D	E	G	H	K	L	1201---3200	K	125	2	3	3	4	5	6	7	8	10	11	14	15
C	D	F	G	J	L	M	3201---10000	L	200	3	4	5	6	7	8	10	11	14	15	21	22
C	D	F	H	K	M	N	10001---35000	M	315	5	6	7	8	10	11	14	15	21	22	21	22
D	E	G	J	L	N	P	35001---150000	N	500	7	8	10	11	14	15	21	22	21	22	21	22
D	E	G	J	M	P	Q	150001---500000	P	800	10	11	14	15	21	22	21	22	21	22	21	22
D	E	H	K	N	Q	R	500001and over	Q	1250	14	15	21	22	21	22	21	22	21	22	21	22
								R	2000	21	22	21	22	21	22	21	22	21	22	21	22

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