



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 1天线	客户机型 Models	AD014
料号 P/N	F1427-12RB-160	客户料号 Customer P/N	827-1000-00024
规格描述 Specifications	黑色FPC; RF0.81二代端子黑色同轴线, L=160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'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



Content		
NO.	Proect	Page NO.
1	Specification	4
2	Antenna Placement	5
3	Test Data	6~~10
4	Antenna Assembly	11
5	Environmental commitment letter	12
6	Inspection Standard	13
7	Sample Inspection Report	14
8	Adhesive Paper Peel Strength Test	15
9	I-pex Terminal Tension Test	16
10	Packing Specification	17



深圳市星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

Specification

1.1 Electrical Properties

Characteristics	Specifications
Working Band	GPS 2.4G WIFI/5G WIFI
Antenna From	PIFA
Impedance	50 Ω
Polarization	Linear
Peak Effi	64.40%@GPS; 52.77%@2.4G; 44.75%@5G
Peak Gain	2.72dBi@GPS; 3.00dBi@2.4G; 1.79dBi@5G

1.2 Physical Properties

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

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

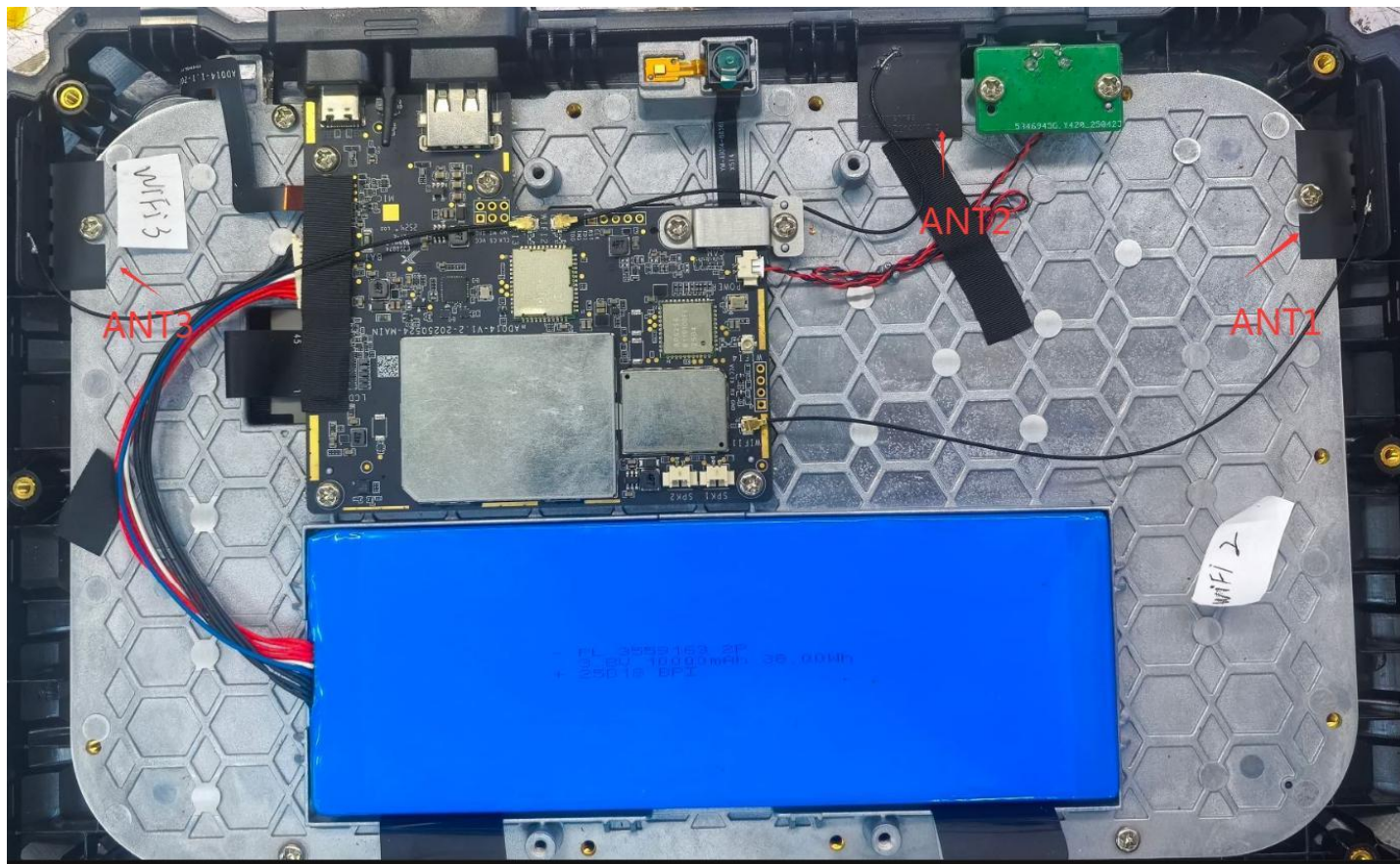
Address: Room 610-614, Building C, Ma'an Shan Jinsheng Fortune Plaza, Ma'an Shan Community, Shajing Sub-district, Bao'an District, Shenzhen City Tel: 0755-82103639 QQ: 487580356 Email: Stephdeng_Vis@126.com



深圳市星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

Antenna Placement



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: Stepdeng_Vis@126.com



深圳市星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

Test Data

Efficiency Table (GPS)

Passive Test For GPS												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
1560	54.6	-2.63	2.2	0.05	23.912	30.687	2.2	-11.56	4.83	0	41.34	40.88
1565	54.7	-2.62	2.19	0.04	23.728	30.968	2.19	-11.38	4.81	0	41.42	40.95
1570	55.78	-2.53	2.22	0.07	24.009	31.776	2.22	-11.56	4.76	0	41.5	41.03
1575	58.36	-2.34	2.34	0.19	25.059	33.305	2.34	-11.3	4.68	0	41.68	41.23
1580	60.33	-2.19	2.41	0.26	25.753	34.574	2.41	-10.85	4.61	0	41.78	41.35
1585	61.03	-2.14	2.38	0.23	26.187	34.844	2.38	-10.18	4.53	30	41.85	41.4
1590	62.53	-2.04	2.6	0.45	27.151	35.375	2.6	-9.61	4.64	30	41.99	41.53
1595	64.4	-1.91	2.72	0.57	28.213	36.187	2.72	-9.2	4.64	30	42.09	41.67
1600	63.43	-1.98	2.68	0.53	27.774	35.659	2.68	-9.4	4.65	30	42.04	41.62

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	36.03	-4.43	1.12	-1.03	14.15	21.88	1.12	-14.13	5.56	30	45.78	46.01
2410	40.17	-3.96	1.55	-0.6	16.162	24.009	1.55	-13.23	5.51	60	46.01	46.29
2420	39.78	-4	1.04	-1.11	16.445	23.337	1.04	-13.86	5.04	120	45.73	46
2430	40.04	-3.97	1.34	-0.81	16.709	23.335	1.34	-14.75	5.32	150	46.01	46.36
2440	42.34	-3.73	1.79	-0.36	17.721	24.617	1.79	-15.58	5.52	150	46.12	46.48
2450	46.11	-3.36	2.24	0.09	19.657	26.452	2.24	-15.45	5.6	90	46.12	46.54
2460	51.09	-2.92	2.73	0.58	22.32	28.768	2.73	-13.78	5.64	90	46.14	46.52
2470	48.75	-3.12	2.52	0.37	21.669	27.076	2.52	-13	5.64	90	46.4	46.8
2480	49.78	-3.03	2.68	0.53	22.092	27.691	2.68	-11.99	5.71	90	46.26	46.64
2490	52.77	-2.78	3	0.85	23.464	29.303	3	-11.09	5.78	210	46.51	46.91
2500	50.84	-2.94	2.85	0.7	22.921	27.919	2.85	-10.77	5.79	180	46.47	46.86

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



深圳市星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

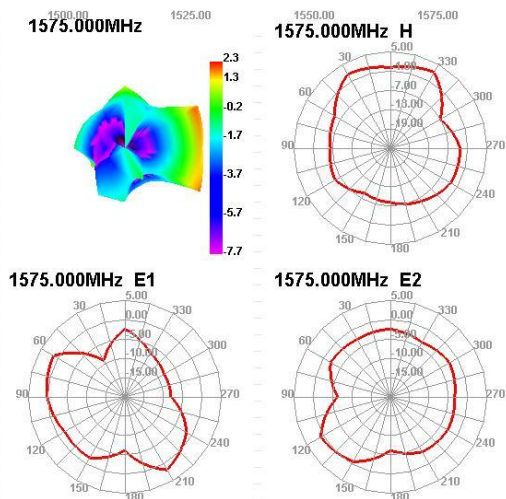
Efficiency Table (5G)

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	31.56	-5.01	1.19	-0.96	13.637	17.918	1.19	-16.81	6.2	30	49.82	49.4
5170	31.77	-4.98	1.53	-0.62	14.045	17.722	1.53	-15.8	6.51	30	50.13	49.77
5190	33.92	-4.7	2.08	-0.07	14.981	18.937	2.08	-15.04	6.78	30	50.42	49.95
5210	34.73	-4.59	2.15	0	15.198	19.532	2.15	-14.98	6.74	30	50.88	50.49
5230	34.1	-4.67	2.11	-0.04	15.284	18.817	2.11	-15.8	6.78	30	50.42	50.08
5250	40.07	-3.97	2.98	0.83	18.087	21.981	2.98	-16.74	6.95	30	51.02	50.72
5270	39.66	-4.02	3.21	1.06	17.672	21.983	3.21	-18.64	7.23	60	50.85	50.6
5290	44.75	-3.49	3.94	1.79	19.722	25.026	3.94	-17.68	7.43	60	51.34	51.12
5310	36.66	-4.36	2.83	0.68	15.85	20.813	2.83	-20.4	7.19	60	50.44	50.36
5330	38.29	-4.17	2.66	0.51	16.55	21.738	2.66	-18.11	6.83	90	51.08	51.01
5350	40	-3.98	2.68	0.53	17.074	22.929	2.68	-17.56	6.65	120	51.02	51.01
5370	37.38	-4.27	1.86	-0.29	15.703	21.675	1.86	-16.05	6.13	120	50.91	50.95
5390	31.31	-5.04	0.65	-1.5	13.136	18.178	0.65	-17.01	5.69	120	50.46	50.43
5410	34.89	-4.57	1.14	-1.01	14.612	20.276	1.14	-16.29	5.71	120	51.18	51.09
5430	33.57	-4.74	0.84	-1.31	14.213	19.356	0.84	-17.31	5.58	90	50.69	50.7
5450	35.04	-4.55	0.75	-1.4	15.13	19.911	0.75	-15.52	5.3	90	50.71	50.85
5470	35.16	-4.54	0.82	-1.33	15.121	20.04	0.82	-15.38	5.36	90	50.93	50.83
5490	34.25	-4.65	0.74	-1.41	14.912	19.335	0.74	-15.94	5.39	90	50.92	50.79
5510	36.81	-4.34	1.02	-1.13	16.167	20.643	1.02	-17.17	5.36	30	51.18	51.16
5530	36.12	-4.42	0.52	-1.63	16.041	20.084	0.52	-15.49	4.94	30	51.44	51.3
5550	42.31	-3.74	1.41	-0.74	18.917	23.396	1.41	-13	5.15	30	51.89	51.76
5570	35.72	-4.47	0.82	-1.33	15.889	19.829	0.82	-14.98	5.3	30	51.42	51.33
5590	34.71	-4.6	1.2	-0.95	15.092	19.618	1.2	-17.57	5.79	30	51.71	51.76
5610	33.61	-4.73	0.78	-1.37	14.549	19.066	0.78	-16.02	5.52	30	51.17	51.22
5630	37.11	-4.31	1.44	-0.71	15.939	21.167	1.44	-17.93	5.75	30	51.78	51.77
5650	36.88	-4.33	1.43	-0.72	16.094	20.785	1.43	-18.4	5.76	30	51.47	51.55
5670	41.48	-3.82	1.98	-0.17	17.802	23.676	1.98	-19.36	5.8	30	52.12	52.28
5690	40.49	-3.93	1.53	-0.62	17.177	23.31	1.53	-21.9	5.46	30	52.12	52.25
5710	41.85	-3.78	1.73	-0.42	17.885	23.97	1.73	-20.16	5.52	30	51.95	52.05
5730	39.91	-3.99	1.59	-0.56	16.961	22.951	1.59	-20.91	5.57	30	51.59	51.69
5750	31.16	-5.06	0.36	-1.79	13.277	17.886	0.36	-20.09	5.42	30	51.12	51.15
5770	32.84	-4.84	0.57	-1.58	13.819	19.018	0.57	-18.39	5.41	30	51.02	51.06
5790	32.92	-4.83	0.55	-1.6	13.8	19.121	0.55	-17.48	5.38	30	51.08	51.16
5810	37.69	-4.24	0.82	-1.33	16.161	21.532	0.82	-16.6	5.06	30	51.36	51.43
5830	39.44	-4.04	1.1	-1.05	17.019	22.423	1.1	-17.08	5.14	30	51.65	51.66
5850	41.57	-3.81	1.17	-0.98	17.895	23.678	1.17	-14.64	4.98	30	51.88	52.05

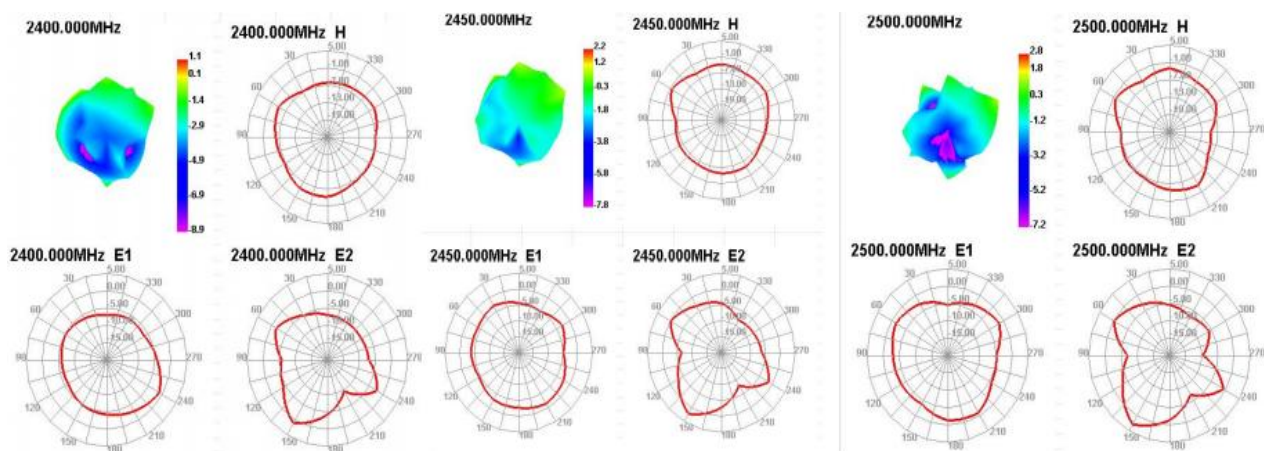
地址：深圳市宝安区沙井街道马安山社区马安山锦胜财富广场C栋610-614

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

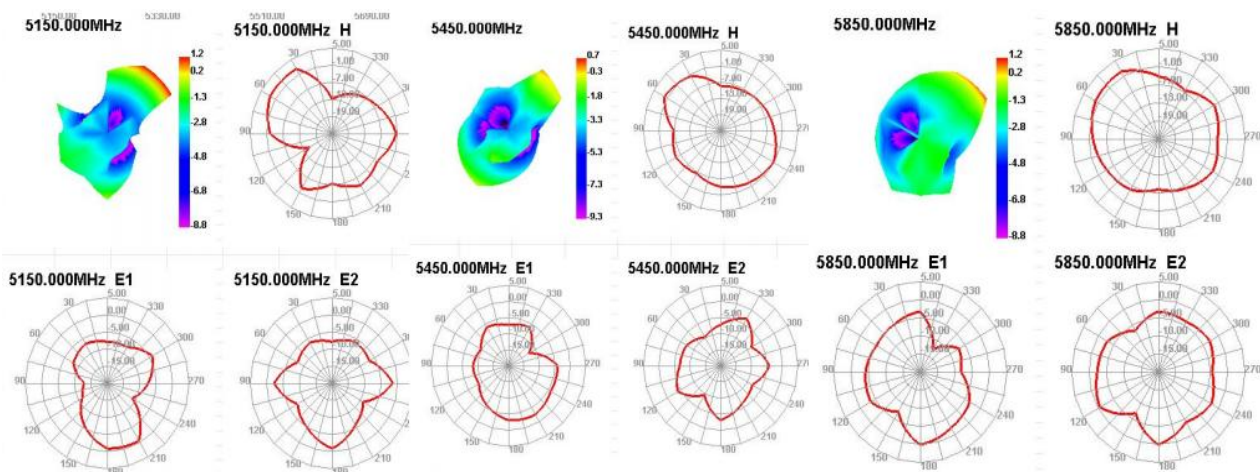
Radiation Pattern (GPS)



Radiation Pattern (2.4G)



Radiation Pattern (5G)



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



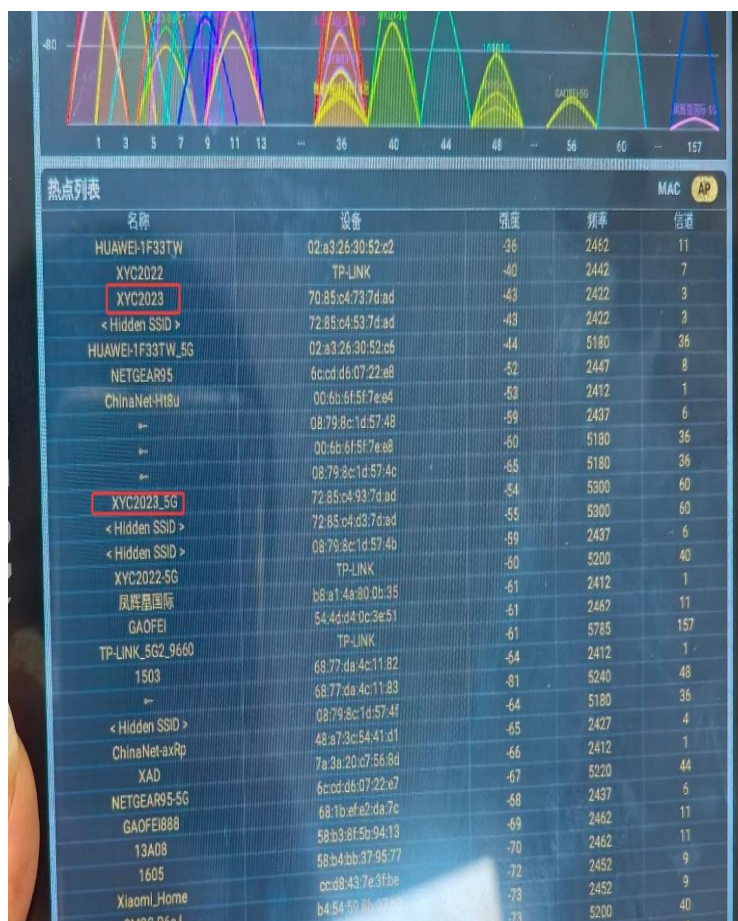
深圳市星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

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

WIFI/BT Measured



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



深圳市星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

GPS Measured



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

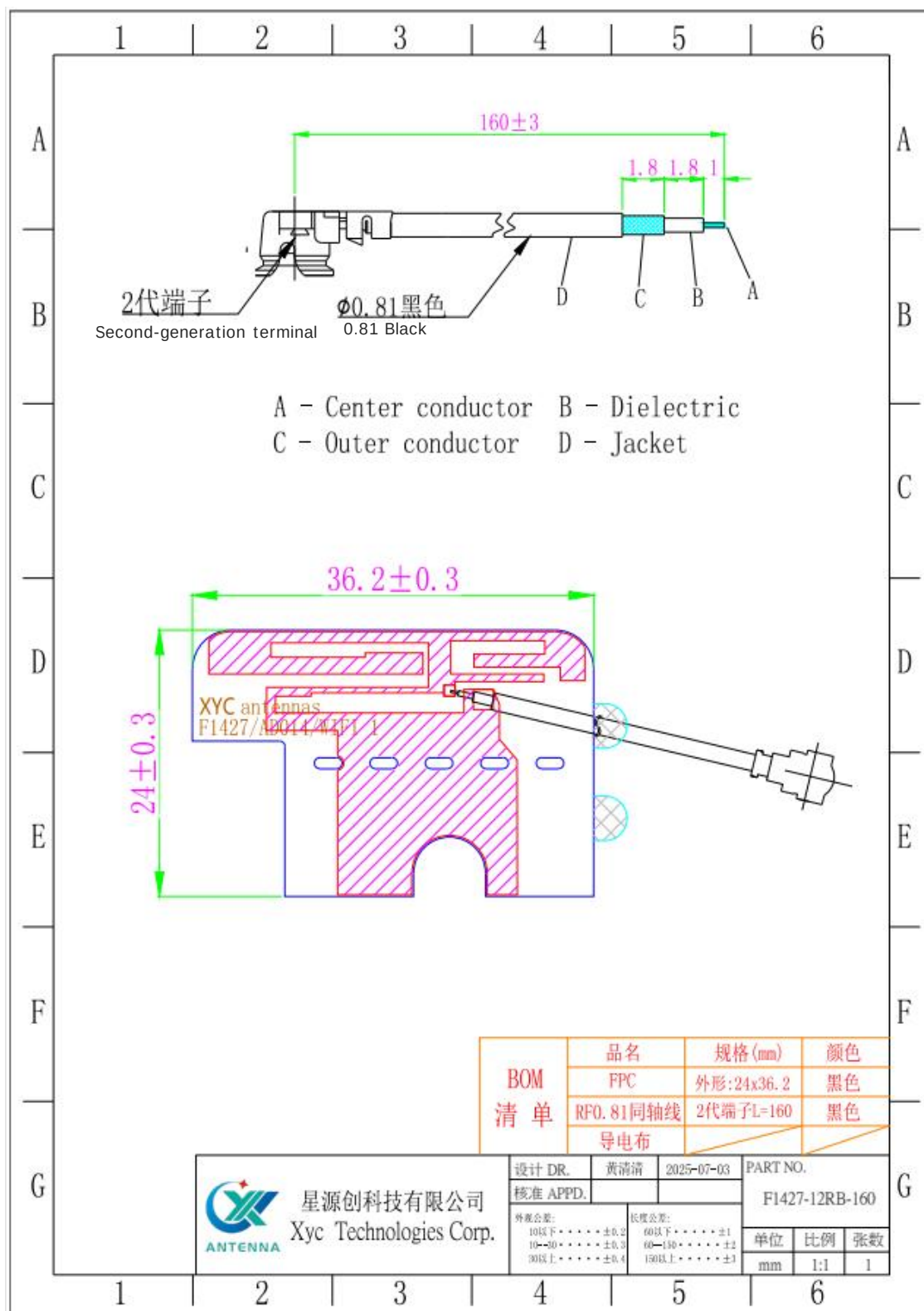
Tel: 0755-82103639 QQ: 487580356 Email: Stephdeng_Vis@126.com



深圳市星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

Antenna Assembly



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



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 filename	抽样计划 sampling plan		

抽样水平对照表

Sample Level Comparison Table

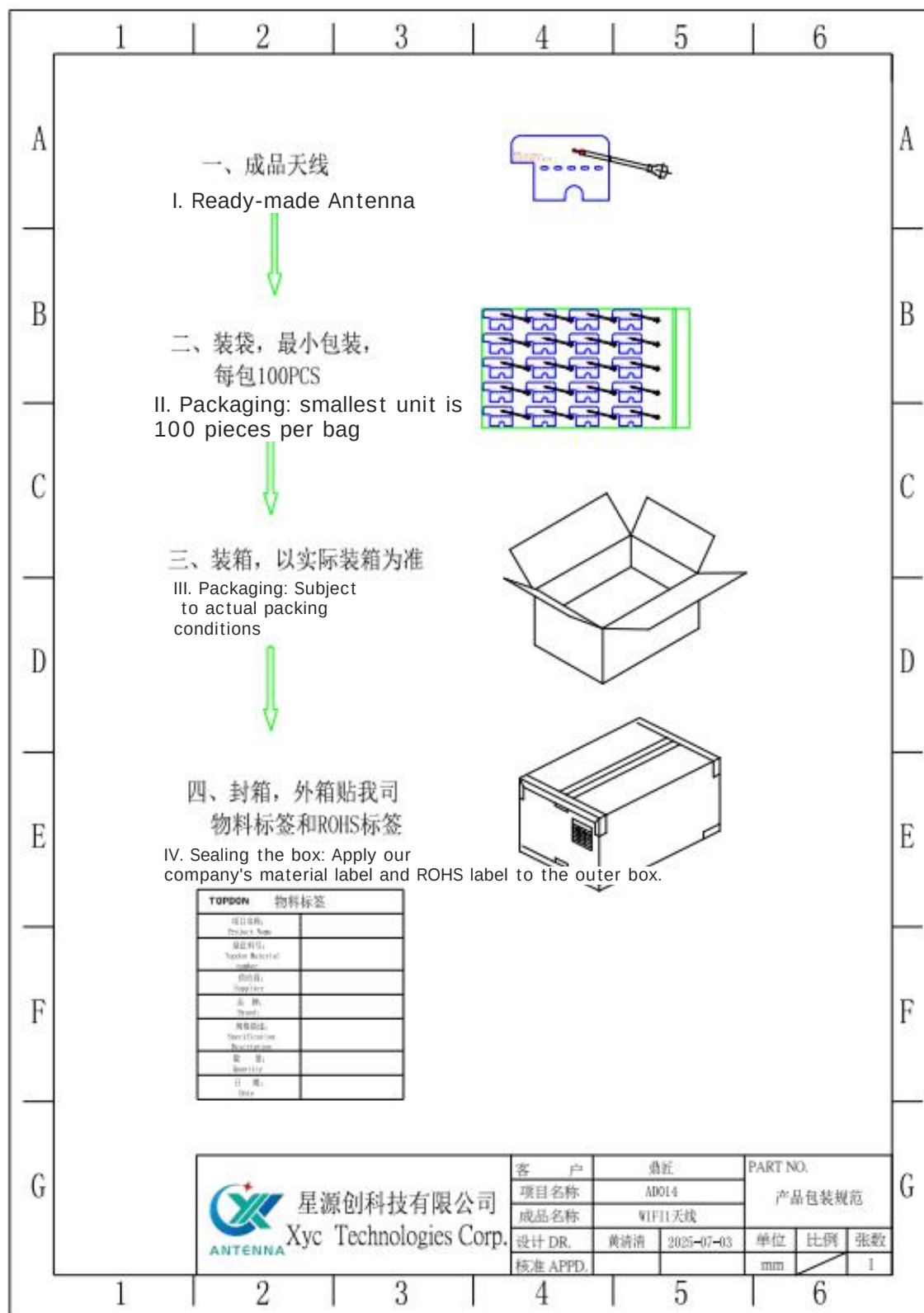
特殊检查水平				一般检查水平			批量范围	样本字码	抽样数	0.65		1.0		1.5		2.5		4.0		6.0	
S-1	S-2	S-3	S-4	I	II	III				AC	RE	AC	RE	AC	RE	AC	RE	AC	RE	AC	RE
A	A	A	A	A	A	B	2---8	A	2	0	1	0	1	0	1	0	1	0	1	0	1
A	A	A	A	A	B	C	9---15	B	3	0	1	0	1	0	1	0	1	0	1	0	1
A	A	B	B	B	C	D	16---25	C	5	0	1	0	1	0	1	0	1	0	1	1	2
A	B	B	C	C	D	E	26---50	D	8	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

AC为合格项 RE为不合格项

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

Packing Specification



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: Stepdeng_Vis@126.com