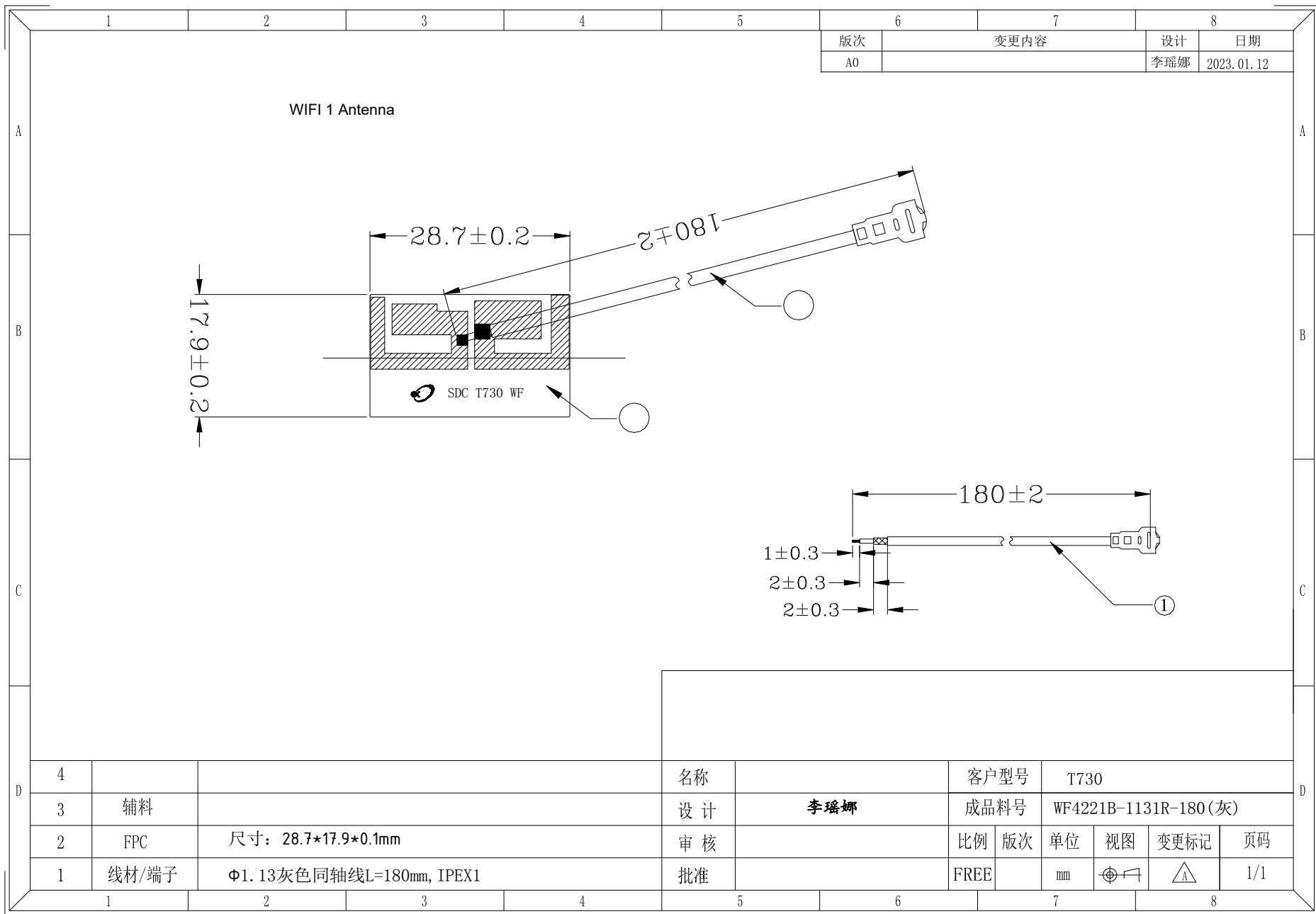


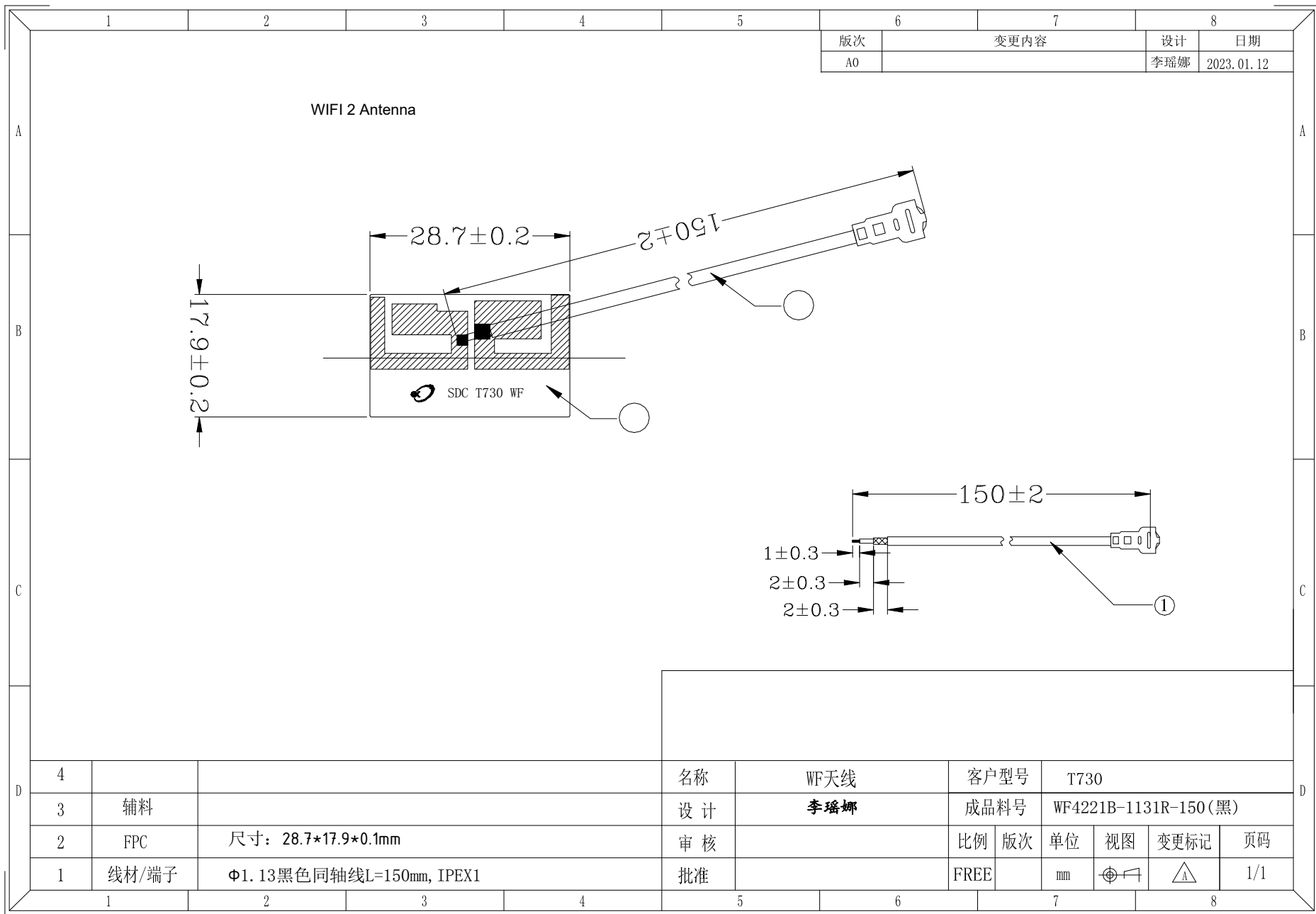
Product Specifications for Approval

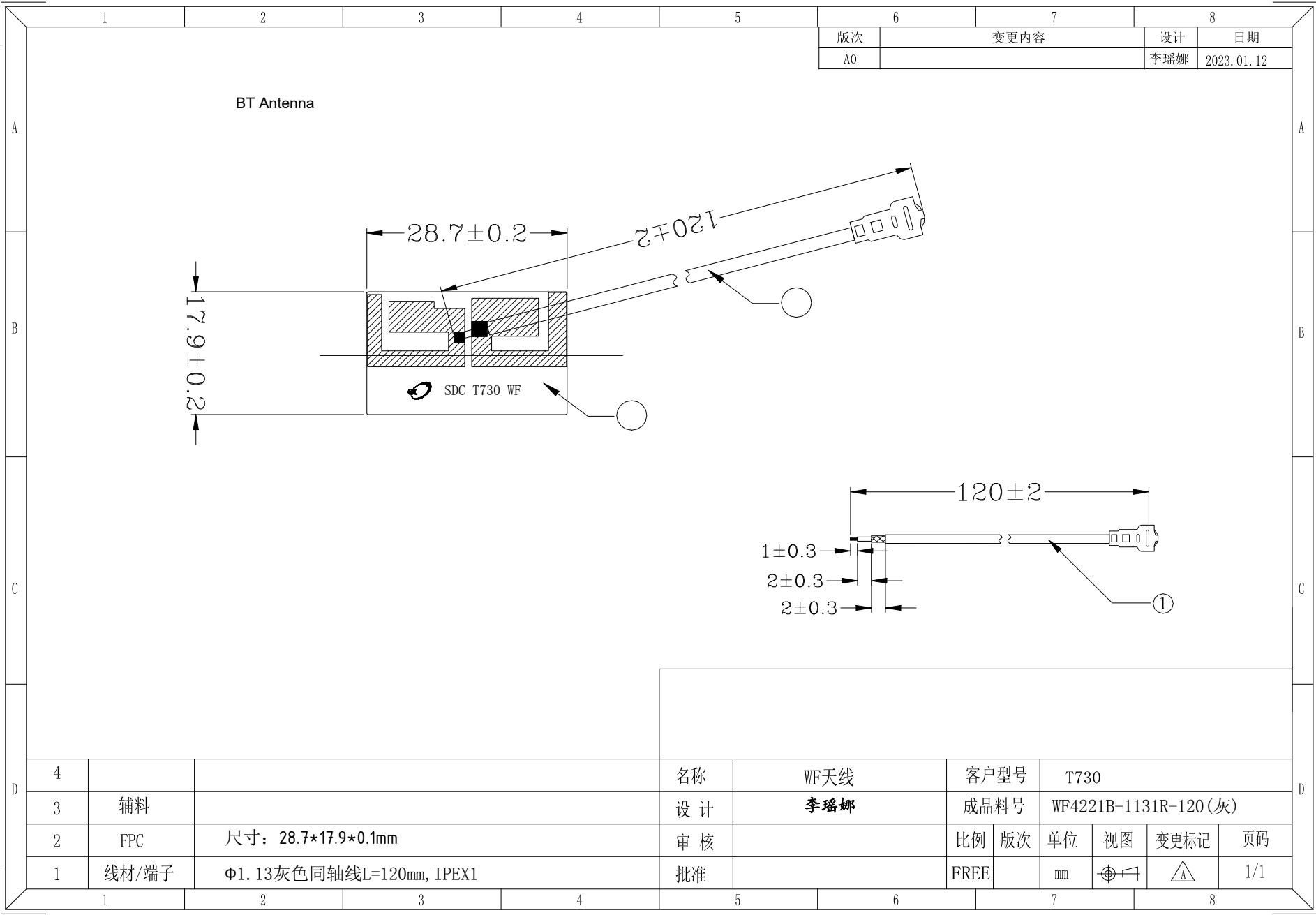
ANT model: SDC T730 WF

Shenzhen Ruifeng Electronic Technology Co., Ltd

Company Address: 4th Floor, Building B5, Xinfu
Industrial Park, Chongqing Road, Fuyong Town, Bao'an
District, Shenzhen





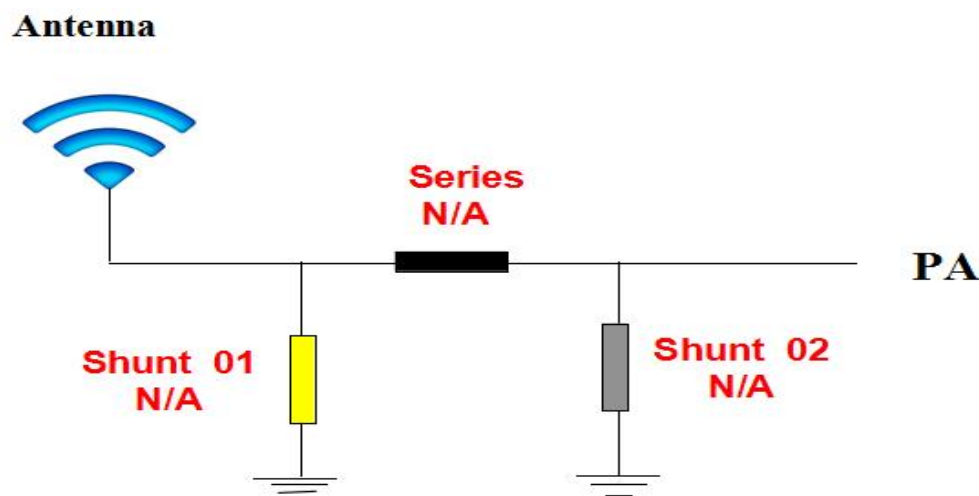


1. Project information and Electrical Specification

Those specifications were specially defined for **C7Pro**, **WIFI2.4G/5.8G/BT**, and all characteristics were measured under the model's handset testing jig .

Frequency Band	MHz
WIFI2. 4G/5. 8G/BT	2400-5850 （MHz）

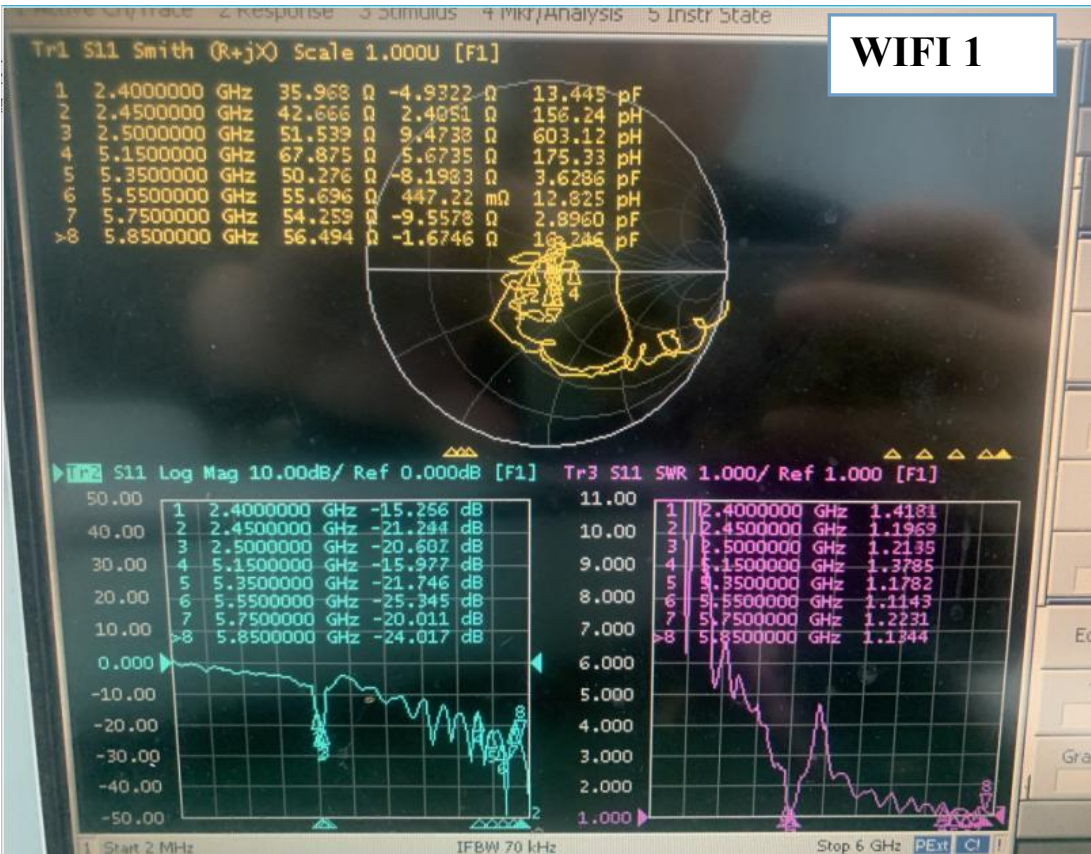
1-3 Impedance matching



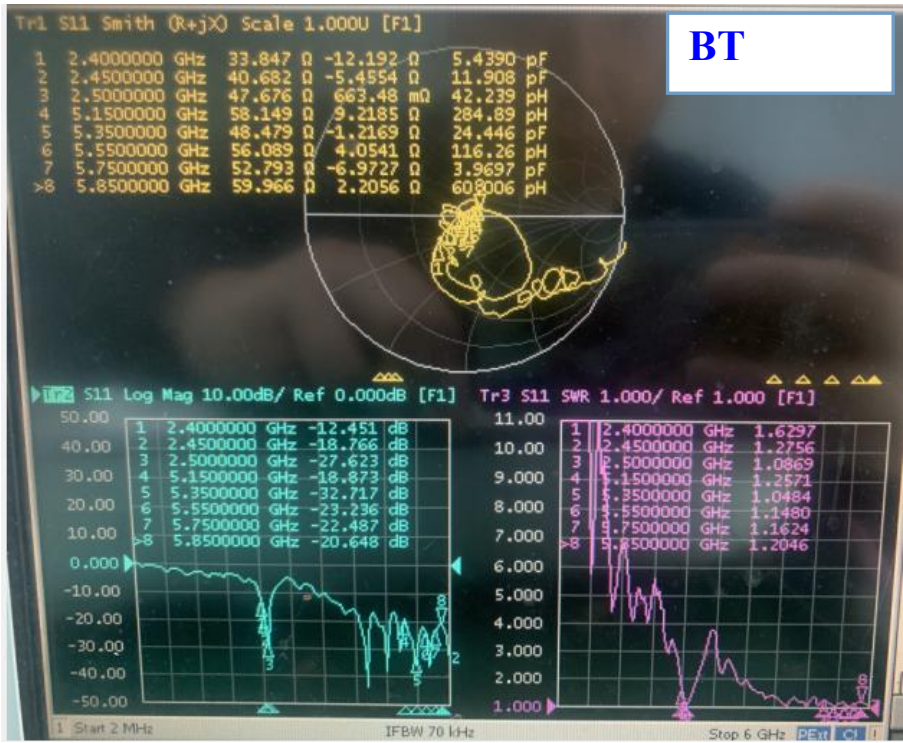
2. VSWR

Measuring Method:

- 1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
- 2. Keeping this jig away from metal at least 20cm. **VSWR parameter value**



频率 (MHZ)	2400	2450	2500	5150	5350	5550	5750	5850
阻抗 Ω	35.9	42.6	51.5	67.8	50.2	55.6	54.2	56.4
频率 (MHZ)	2400	2450	2500	5150	5350	5550	5750	5850
驻波比	1.41	1.19	1.21	1.37	1.17	1.11	1.22	1.13
频率 (MHZ)	2400	2450	2500	5150	5350	5550	5750	5850
回损	-15.25	-21.24	-20.6	-15.97	-21.74	-25.34	-20.01	-24.01



频率 (MHZ)	2400	2450	2500	5150	5350	5550	5750	5850
阻抗 Ω	33.84	40.68	47.67	58.14	48.47	56.08	52.79	59.96
频率 (MHZ)	2400	2450	2500	5150	5350	5550	5750	5850
驻波比	1.62	1.27	1.08	1.25	1.04	1.14	1.16	1.2
频率 (MHZ)	2400	2450	2500	5150	5350	5550	5750	5850
回损	-12.45	-18.76	-27.62	-18.87	-32.71	-23.23	-22.48	-20.64

WIFI 2

频率（MHZ）	2400	2450	2500	5150	5350	5550	5750	5850
阻抗Ω	29.48	34.43	46.56	55.31	53.26	47.55	39.5	39.29
频率（MHZ）	2400	2450	2500	5150	5350	5550	5750	5850
驻波比	1.78	1.46	1.13	1.1	1.09	1.2	1.23	1.28
频率（MHZ）	2400	2450	2500	5150	5350	5550	5750	5850
回损	-11.02	-14.69	-24.79	-25.94	-26.78	-20.77	-18.61	-18.17

3. Efficiency and Gain*measuring and test instruments:

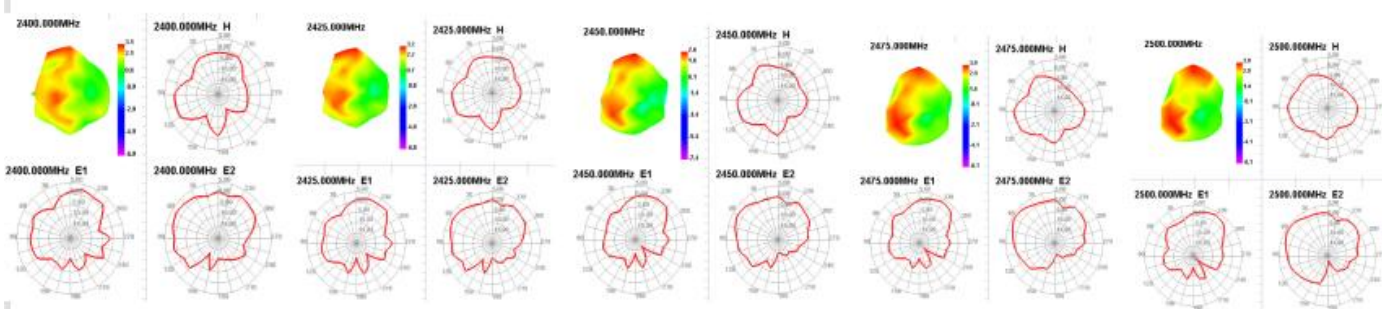
Microwave darkroom, Agilent network analyzer, Agilent spectrum analyzer, 8960 comprehensive tester, standard antenna * test method: The equipment is fixed at the center position of the turntable on the H-plane, and is on the same horizontal line as the center position of the horn antenna.

Efficiency/Gain

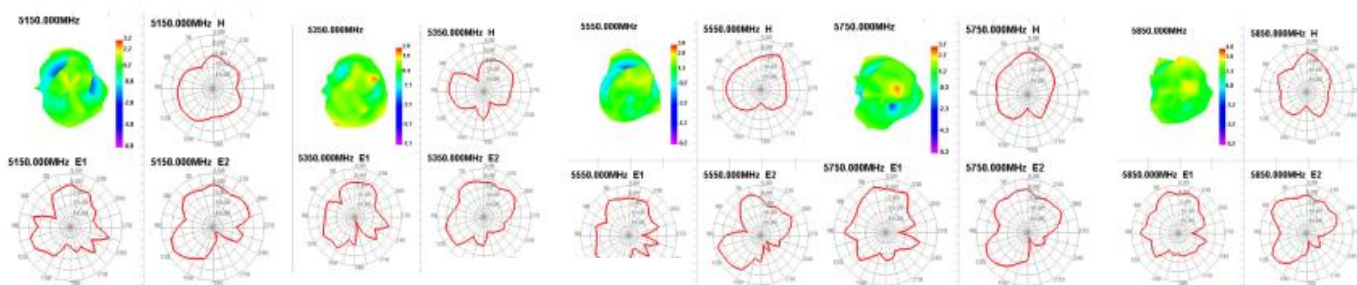
WIF 1

WIFI2. 4G/5. 8G/BT

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivit (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	57.93	-2.37	3.14	0.99	41.66	16.268	3.14	-20.86	5.52	45	48.93	49.09
2425	57.93	-2.37	3.19	1.04	42.882	15.047	3.19	-17.77	5.56	45	49.1	49.23
2450	46.61	-3.32	2.6	0.45	35.563	11.046	2.6	-18.09	5.92	45	49.24	49.26
2475	58.55	-2.32	3.89	1.74	45.782	12.766	3.89	-21.98	6.22	45	49.98	49.91
2500	61.38	-2.12	3.94	1.79	48.037	13.342	3.94	-19.47	6.06	45	49.71	49.62

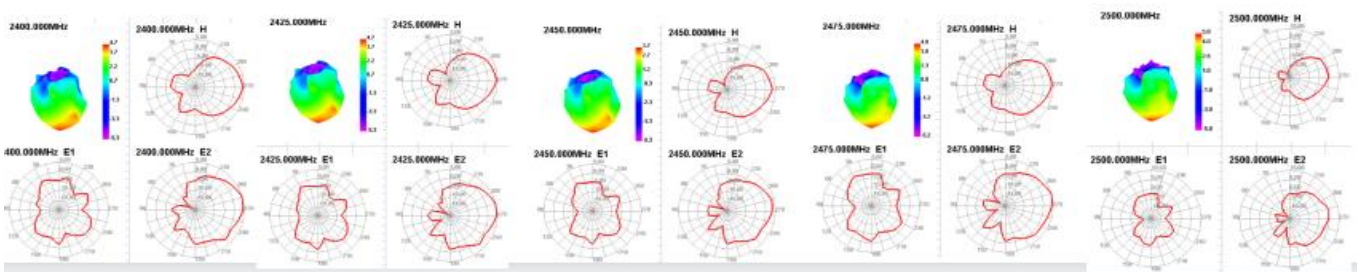


Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	44.06	-3.56	3.22	1.07	21.838	22.221	3.22	-21.24	6.78	15	61.1	60.72
5250	51.42	-2.89	3.5	1.35	26.132	25.285	3.5	-17.17	6.39	15	61	60.69
5350	46.11	-3.36	2.93	0.78	24.225	21.883	2.93	-25.7	6.29	45	60.61	59.93
5450	58.08	-2.36	4.18	2.03	31.164	26.92	4.18	-15.68	6.54	45	62.77	61.52
5550	51.35	-2.89	3.82	1.67	25.862	25.487	3.82	-19.29	6.71	60	62.14	60.69
5650	55.81	-2.53	3.61	1.46	28.331	27.477	3.61	-30.26	6.15	75	64.09	62.89
5750	53.73	-2.7	3.75	1.6	28.387	25.344	3.75	-17.68	6.44	60	63.14	62.22
5850	61.39	-2.12	4.83	2.68	33.896	27.491	4.83	-21.75	6.95	60	64.81	63.97



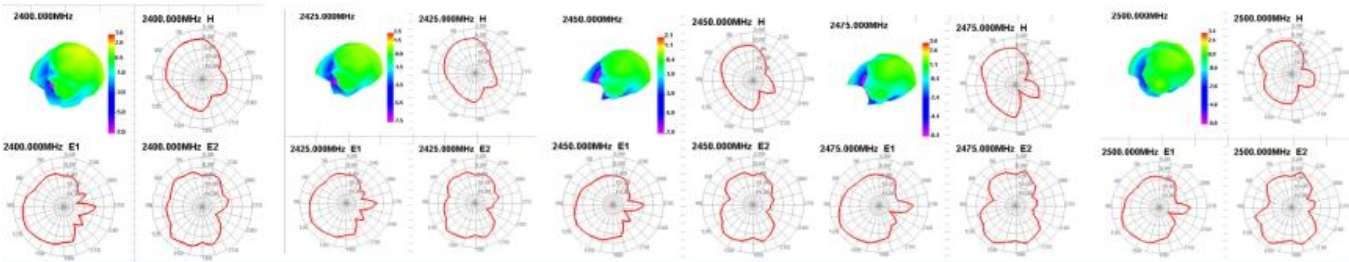
BT

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	55.14	-2.59	4.73	2.58	28.247	26.89	4.73	-18.86	7.32	45	48.93	49.09
2425	53.49	-2.72	4.68	2.53	27.535	25.954	4.68	-20.68	7.39	0	49.1	49.23
2450	41.74	-3.79	3.66	1.51	21.603	20.141	3.66	-22.74	7.46			

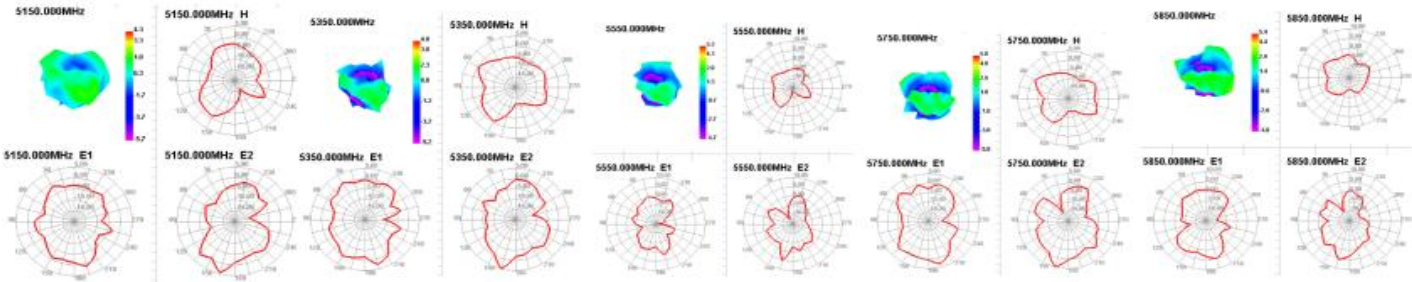


WIFI 2

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	47.7	-3.21	2.97	0.82	18.525	29.175	2.97	-23.67	6.19	90	48.93	49.09
2425	44.82	-3.49	2.49	0.34	17.288	27.532	2.49	-20.65	5.97	90	49.1	49.23
2450	42.8	-4.23	2.08	-0.07	14.14	23.657	2.08	-18.42	6.3	75	49.24	49.26
2475	53.21	-2.74	3.6	1.45	18.808	34.407	3.6	-18.14	6.34	75	49.98	49.91
2500	49.08	-3.09	3.35	1.2	17.399	31.683	3.35	-21.69	6.45	60	49.71	49.62



Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	40.81	-3.89	4.31	2.16	17.884	22.93	4.31	-18.55	8.2	15	61.1	60.72
5250	50.51	-2.97	5.26	3.11	23.038	27.474	5.26	-16.08	8.23	0	61	60.69
5350	46.96	-3.28	4.82	2.67	22.428	24.532	4.82	-12.17	8.11	15	60.61	59.93
5450	49.4	-3.06	5.54	3.39	22.505	26.898	5.54	-17.1	8.6	15	62.77	61.52
5550	43.3	-3.64	5.28	3.13	19.344	23.956	5.28	-13.98	8.91	15	62.14	60.69
5650	49.42	-3.06	5.94	3.79	21.21	28.21	5.94	-18.79	9	0	64.09	62.89
5750	46.08	-3.36	4.98	2.83	18.145	27.938	4.98	-15.59	8.35	15	63.14	62.22
5850	63.14	-2	5.37	3.22	25.274	37.866	5.37	-13.27	7.37	30	64.81	63.97



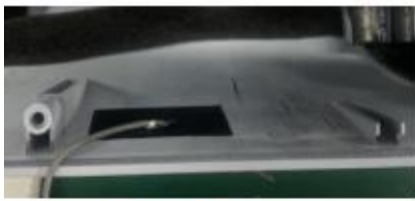
4.WIFI OTA Data

2.4GWIFI	TRP			TIS		
Channel1	CH1	CH6	CH12	CH1	CH6	CH12

802.11 b , 11M	19.79	19.63	19.24	-77.25	-76.43	-76.28
802.11 g , 54M	19.15	19.06	19	-66.11	-66.72	-67.09
802.11 n , MCS7 (65M)	19.46	19.14	18.73	-66.48	-66.61	-67.56

5.8G	802.11A, (5.8G) 54M		
Channel	CH36	CH60	CH165
TRP	18.93	18.89	17.38
TIS	-74.11	-73.97	-73.38

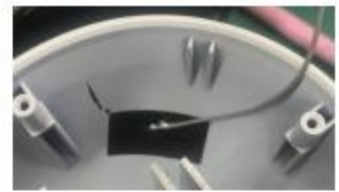
5. Antenna installation position



WiFi 2



BT



WiFi 1



WiFi 2

BT

WiFi 1

