

索沃德天线调试报告

Customer Name: Bright color

Project name: F900 large screen recorder -V553
platform

Antenna material number: SF1184I-1L11B-205-A

Date: 2024. 09. 02

项目简介

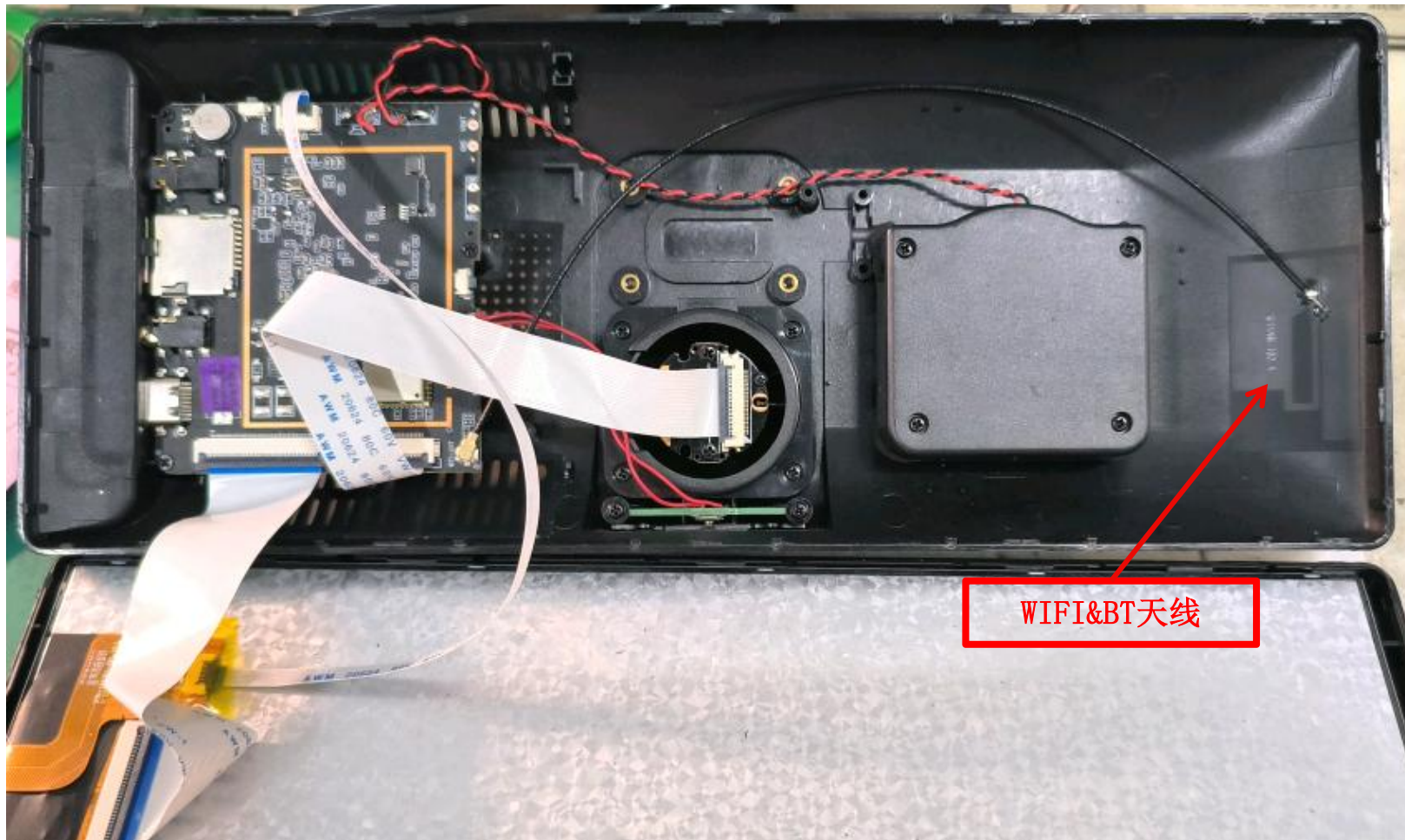
1. Project Description

Item Antenna number	Type of machine
1	Recorder of record
Material of the whole machine shell: recorder with screen	

2. Brief description of antenna

Ant No.	Name	工作频段/MHZ	Material/Structure
1	WIFI&BT&5Gwifi	2400MHz/2500MHz & 5.8GHz	FPC

Antenna layout



WIFI&BT天线

WIFI&BT S11

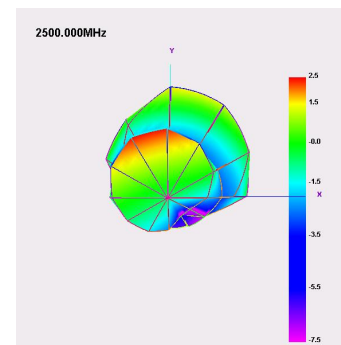
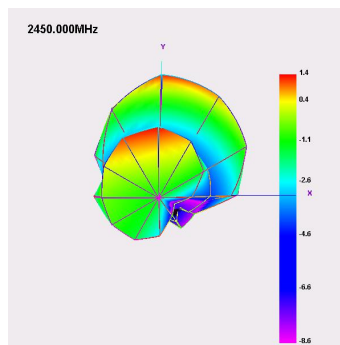
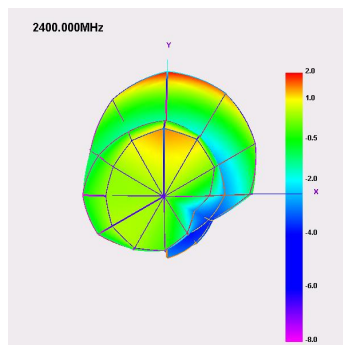


深圳市宝安区前进二路135号河西航城工业区B栋6楼

Building B, Hexi Hangcheng Industrial Zone, No. 135 Qianjin No. 2 Road, Baoan District, Shenzhen

WIFI&BT Efficiency of antenna

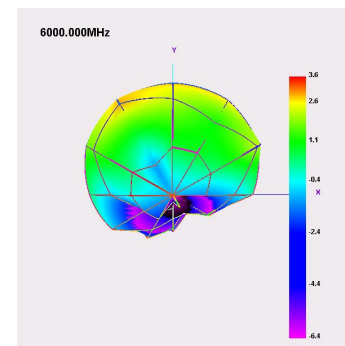
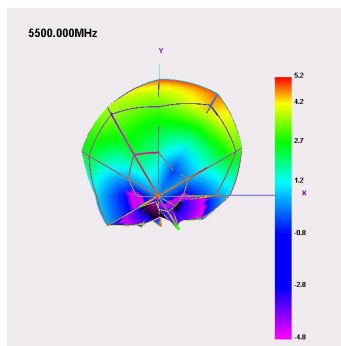
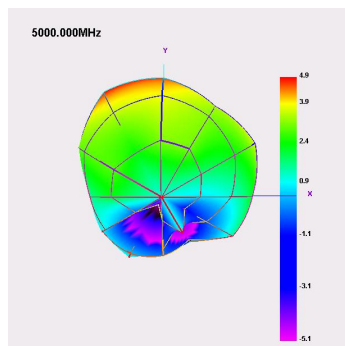
Passive Test For 2.4Gwifi								
Freq	Effi	Effi	Gain	Gain	UHS	DHIS	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(%)	(%)	(dB)	(dB)
2400	44.26	-3.54	2	-0.15	18.73	25.526	2	-21.34
2410	44.66	-3.5	1.9	-0.25	18.938	25.723	1.9	-19.33
2420	49.09	-3.09	2.18	0.03	20.796	28.295	2.18	-15.52
2430	48.29	-3.16	2.02	-0.13	20.505	27.786	2.02	-14.5
2440	46.99	-3.28	1.83	-0.32	19.956	27.039	1.83	-14.59
2450	42.2	-3.75	1.44	-0.71	17.962	24.234	1.44	-14.17
2460	44.22	-3.54	1.85	-0.3	18.861	25.36	1.85	-12.95
2470	45.71	-3.4	2.16	0.01	19.499	26.215	2.16	-13.12
2480	48.64	-3.13	2.55	0.4	20.81	27.829	2.55	-13.05
2490	49.06	-3.09	2.66	0.51	21.141	27.917	2.66	-13.4
2500	46.51	-3.32	2.46	0.31	20.349	26.156	2.46	-13.27



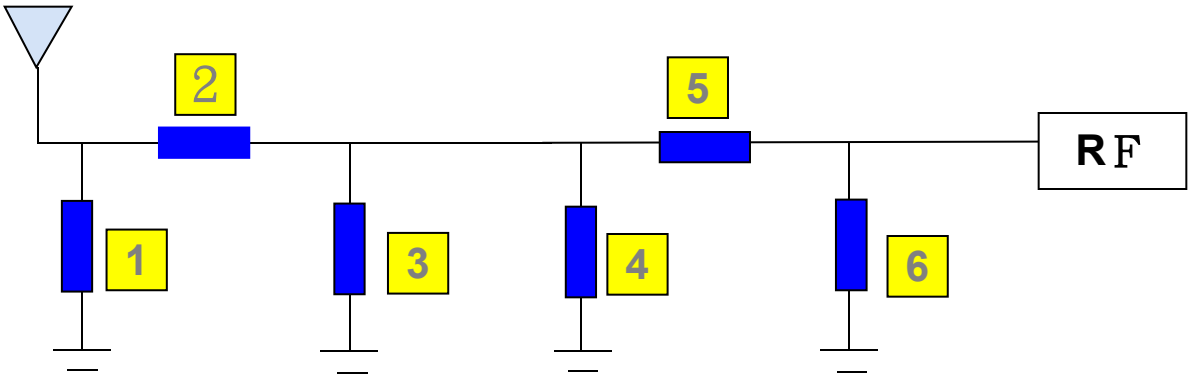
5GWIFI Efficiency of antenna

Passive Test For 5Gwifi

Freq	Effi	Effi	Gain	Gain	UHS	DHIS	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(%)	(%)	(dB)	(dB)
5000	64.23	-1.92	4.88	2.73	32.531	31.696	4.88	-20.85
5100	68.09	-1.67	4.8	2.65	35.511	32.58	4.8	-17.2
5200	60.93	-2.15	3.8	1.65	31.976	28.953	3.8	-14.77
5300	65.35	-1.85	4.22	2.07	33.418	31.928	4.22	-16.3
5400	67.06	-1.74	4.83	2.68	34.628	32.432	4.83	-17.72
5500	65.38	-1.85	5.22	3.07	33.531	31.846	5.22	-15.03
5600	53.87	-2.69	4.47	2.32	26.798	27.069	4.47	-28.56
5700	57.1	-2.43	4.3	2.15	28.662	28.44	4.3	-21.06
5800	61.84	-2.09	4.44	2.29	32.084	29.761	4.44	-14.95
5900	54.31	-2.65	4.05	1.9	27.825	26.483	4.05	-13.24
6000	54.16	-2.66	3.62	1.47	27.289	26.875	3.62	-15.6

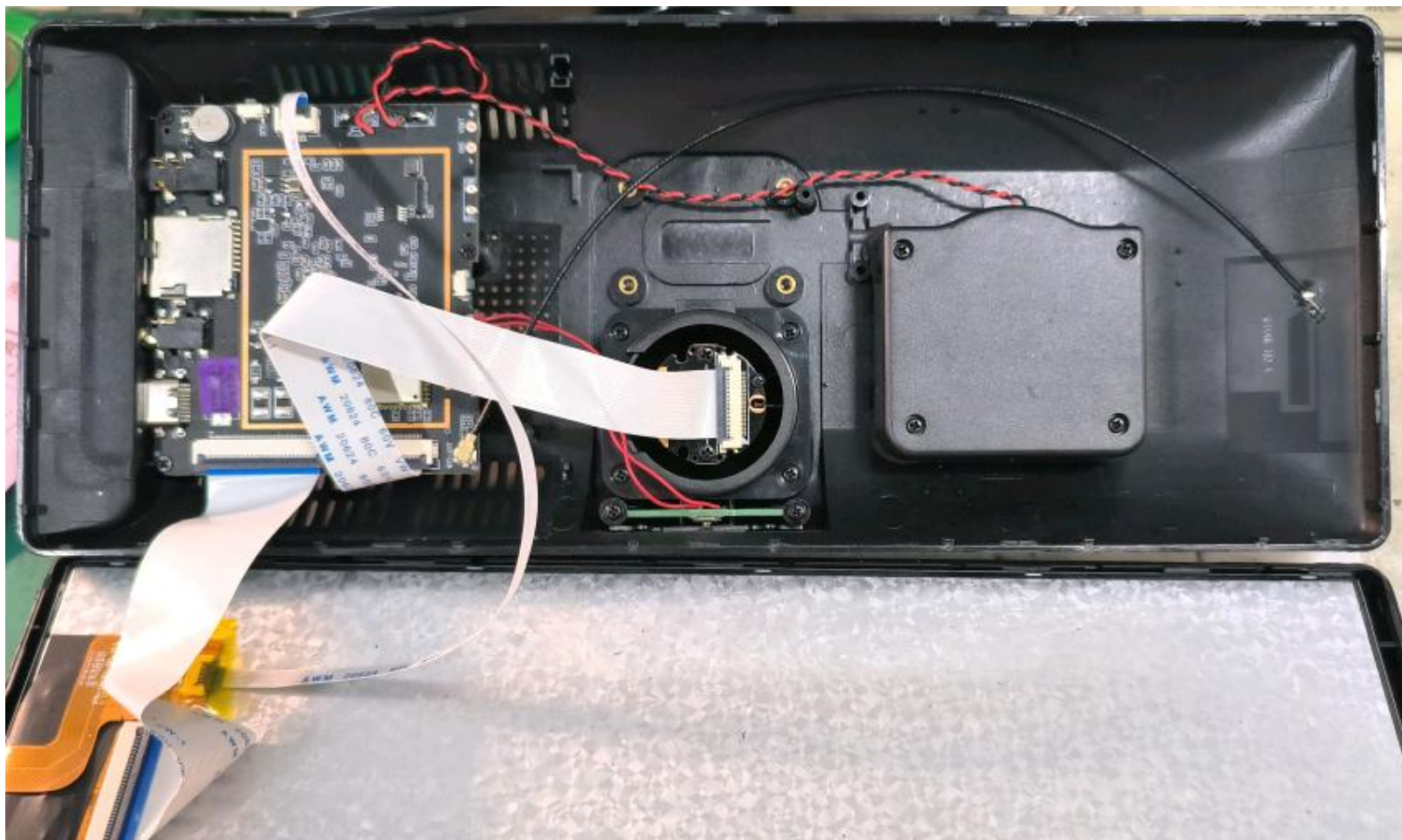


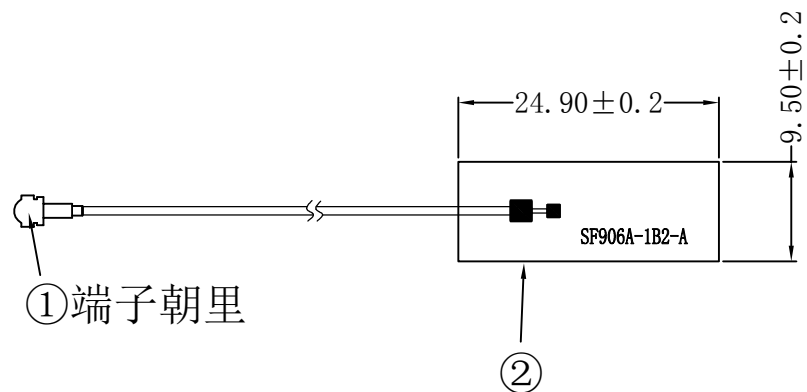
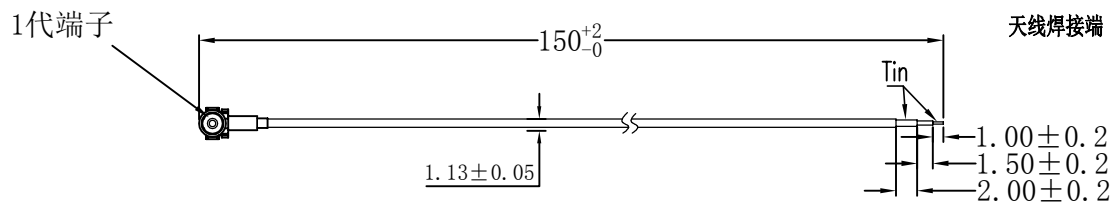
Antenna matching



Main antenna	1	2	3	4	5	6	备注
Original matching							
Match of changes							

Environmental treatment and assembly instructions





技术要求:

1. 打*为重点尺寸;
2. 尺寸符合图纸要求;
3. 焊点无虚焊、假焊。要求圆润、饱满。
4. 网分测试通过（出现指定波形）。
5. 线形尺寸未注公差按照SJ/T 10628 1995 6级，公差值由上下偏差均分；

5													SWORD			索沃德通讯技术有限公司	
4																SF906A-1L11G-150-A	
3						RD	签名	年月日	量产	签名	年月日	阶段标记			比例	ROHS	
2	FPC		黑色	1	SF906A-1B2-A		ZYA	2024. 7. 26	QC			1		A	1 : 1		
1	同轴线	1代端子	灰色	1	φ=1.13mm	RF											
序号	名称	材料	颜色	数量	描述	审核			批准			共 1 张		第 1 张			