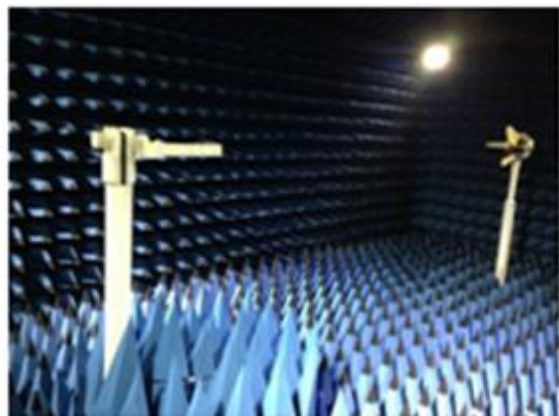


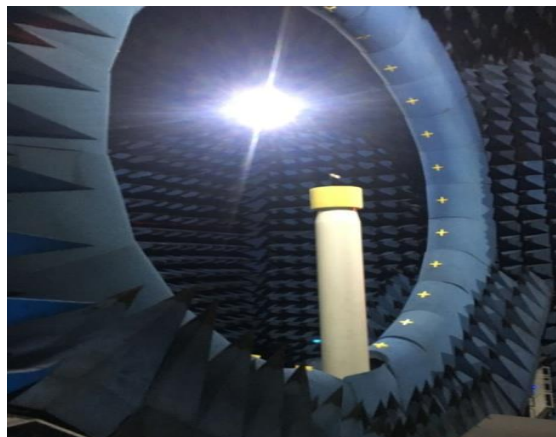


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测试设备



ETS 暗室



SATIMO 暗室



人头手模



8820C 综测仪



E5071B 网络分析仪



CMW 500 综测仪

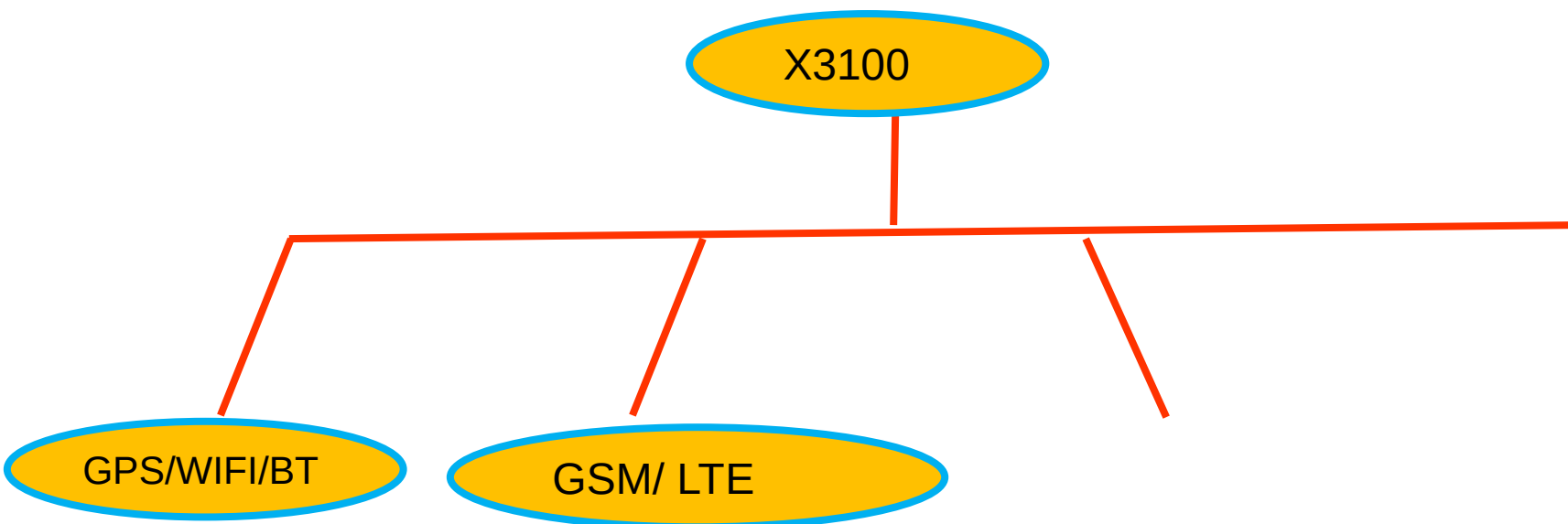
测试系统	测试环境	有源测试	无源测试
SATIMO ETS	温度: $22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 湿度: $50\% \pm 15\%$	2G/3G/4G/WIFI/BT	600MHZ-6GHZ

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项目 说明



天线方式：LDS



项目记录

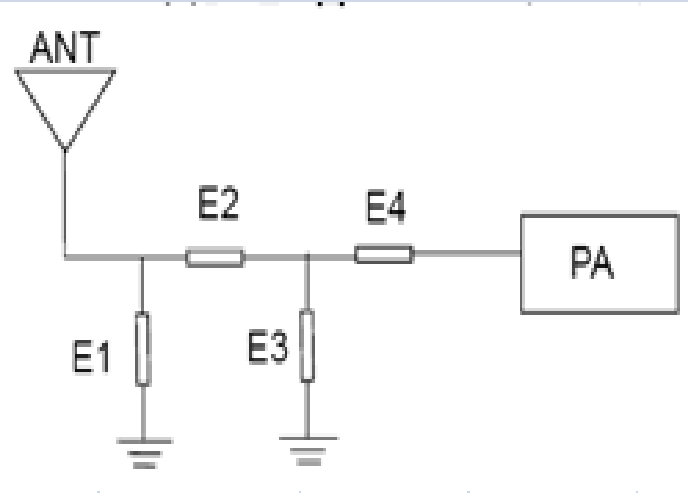


整机图片

版本	时间	内容描述



匹配电路

匹配网络	主天线	WIFI2.4G天线	分集天线																								
	<table><tr><td>E1</td><td>NF</td></tr><tr><td>E2</td><td>OR</td></tr><tr><td>E3</td><td>NF</td></tr><tr><td>E4</td><td>OR</td></tr></table>	E1	NF	E2	OR	E3	NF	E4	OR	<table><tr><td>E1</td><td></td></tr><tr><td>E2</td><td>OR</td></tr><tr><td>E3</td><td></td></tr><tr><td>E4</td><td>OR</td></tr></table>	E1		E2	OR	E3		E4	OR	<table><tr><td>E1</td><td></td></tr><tr><td>E2</td><td>OR</td></tr><tr><td>E3</td><td></td></tr><tr><td>E4</td><td>OR</td></tr></table>	E1		E2	OR	E3		E4	OR
E1	NF																										
E2	OR																										
E3	NF																										
E4	OR																										
E1																											
E2	OR																										
E3																											
E4	OR																										
E1																											
E2	OR																										
E3																											
E4	OR																										
匹配是否有改动	否	否	否																								

OTA 带人手测试数据-Freespace

LTE2 TRP			LTE2 TIS
18650	18900	19150	1150
1855	1880	1905	1985
10M	10M	10M	10M
11.03	11.78	11.84	-86.35
LTE4 TRP			LTE4 TIS
20000	20175	20350	2350
1715	1732.5	1750	2150
10M	10M	10M	10M
10.49	10.34	10.65	-86.68
LTE5 TRP			LTE5 TIS
20450	20500	20525	2500
829	834	836.5	879
10M	10M	10M	10M
2.68	2.78	2.65	-74.45
LTE66 TRP			LTE66 TIS
132022	132322	132622	67086
1715	1745	1775	2175
10M	10M	10M	10M
11.6	11.95	11.82	-86.74
LTE12 TRP			LTE12 TIS
23060	23095	23130	5130
704	707.5	711	741
10M	10M	10M	10M
4.28	4.66	4.57	-75.62
LTE17 TRP			LTE17 TIS
23780	23790	23800	5800
709	710	711	741
10M	10M	10M	10M
5.34	5.65	5.19	-75.22



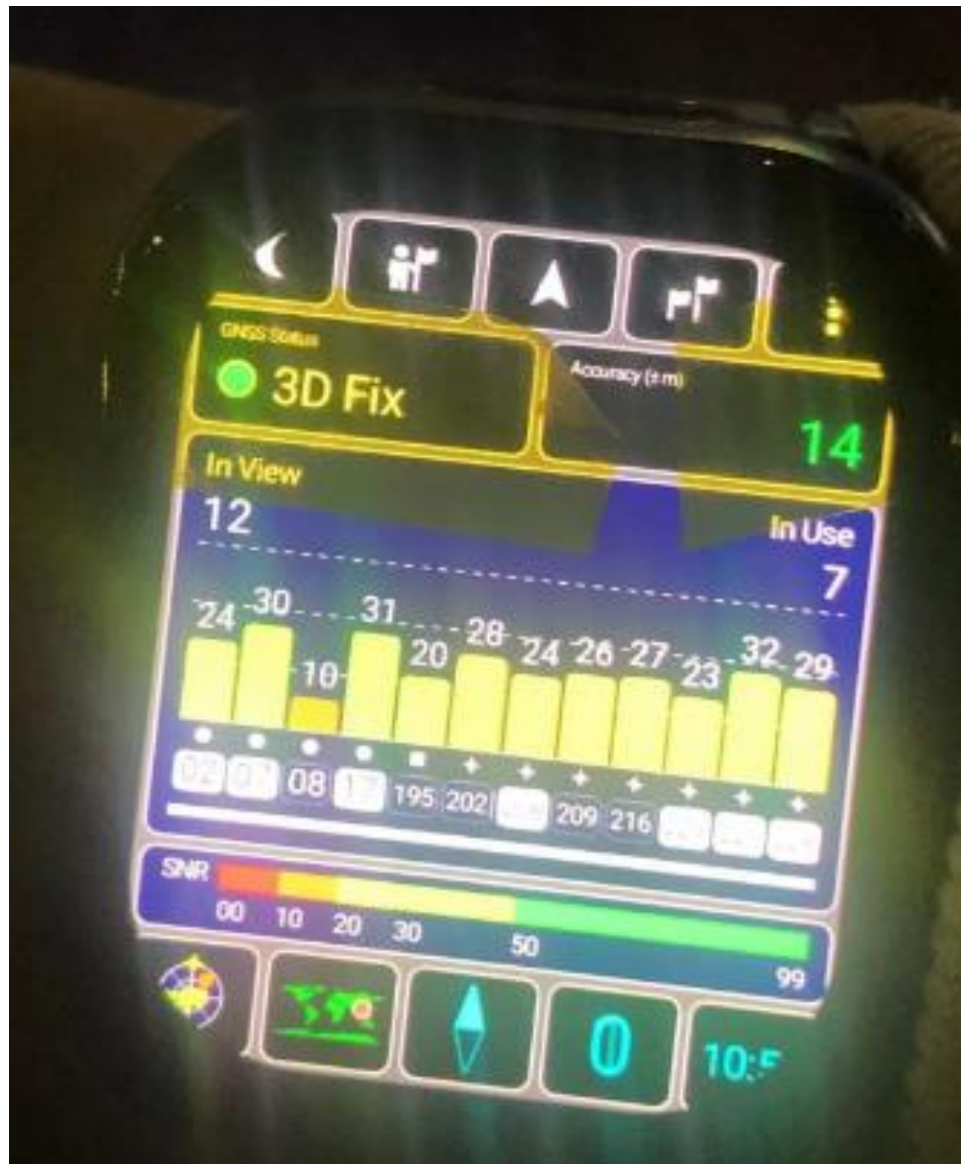
WIFI测试

Wifi 2G TRP			ifi 2G TI
1	6	11	11
2412	2437	2462	2462
3.85	3.54	4.28	-73.82



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GPS测试





OTA 带人手测试数据-Freespace

LTE2 TRP			LTE2 TIS
18650	18900	19150	1150
1855	1880	1905	1985
10M	10M	10M	10M
11.17	11.29	11.36	-86.17
LTE4 TRP			LTE4 TIS
20000	20175	20350	2350
1715	1732.5	1750	2150
10M	10M	10M	10M
10.23	10.18	10.37	-86.84
LTE5 TRP			LTE5 TIS
20450	20500	20525	2500
829	834	836.5	879
10M	10M	10M	10M
2.24	2.17	2.35	-74.19
LTE66 TRP			LTE66 TIS
132022	132322	132622	67086
1715	1745	1775	2175
10M	10M	10M	10M
11.37	11.21	11.04	-86.46
LTE12 TRP			LTE12 TIS
23060	23095	23130	5130
704	707.5	711	741
10M	10M	10M	10M
4.31	4.48	4.61	-75.83
LTE17 TRP			LTE17 TIS
23780	23790	23800	5800
709	710	711	741
10M	10M	10M	10M
5.11	5.27	5.29	-75.17



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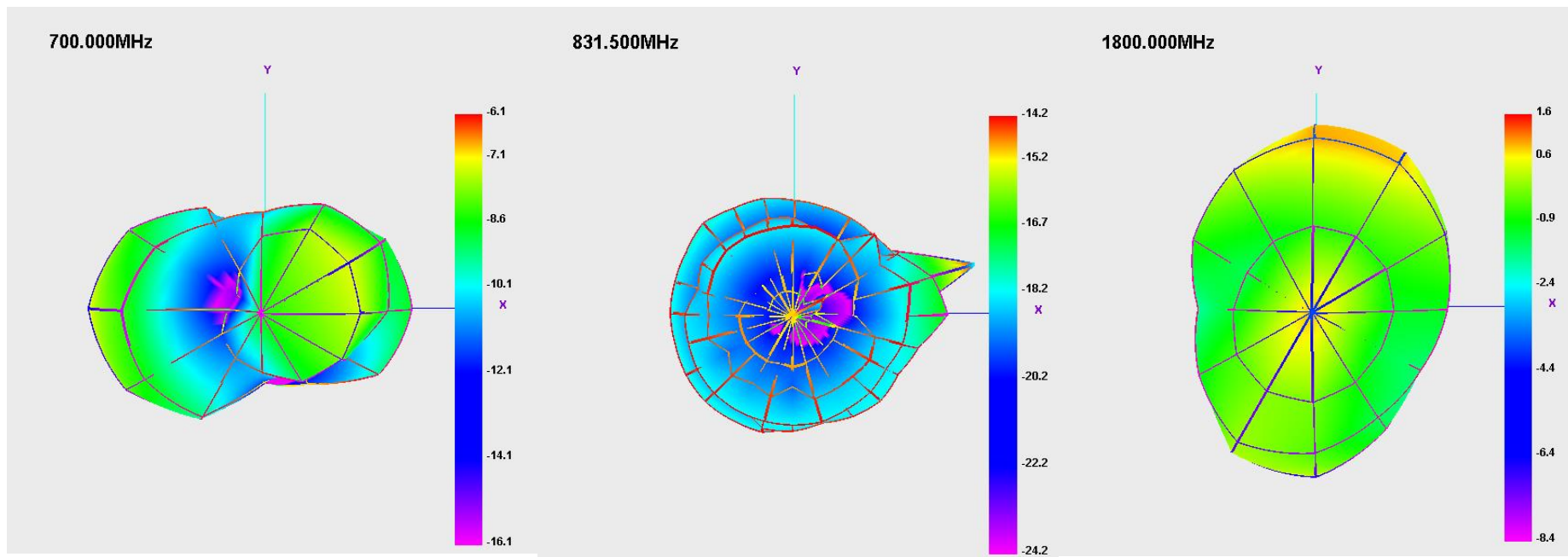
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主天线增益

Band		B2	B4	B5	B66	B12	B17
Gain	(dBi)	-3.86	-3.97	-4.57	-3.83	-4.92	-4.99

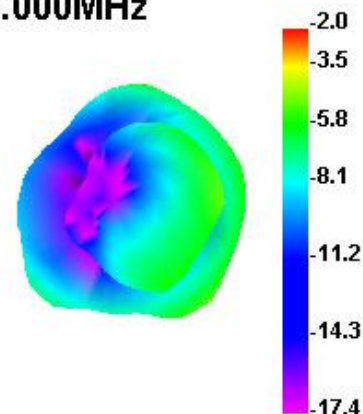




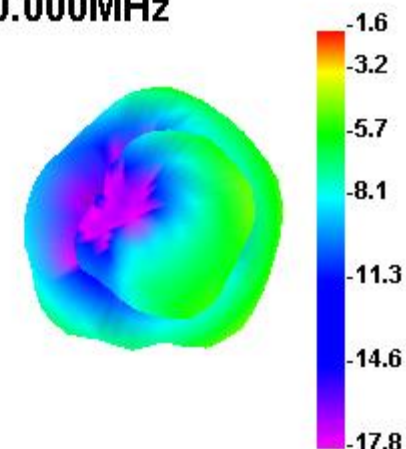
WiFi/BT天线增益

Passive Test For WIFI/BT			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	19.22	-7.16	-5.25
2410	22.14	-6.55	-5.23
2420	19.67	-7.06	-4.99
2430	19.05	-7.2	-5.01
2440	25.32	-5.97	-4.84
2450	17.67	-7.53	-5.41
2460	19.25	-7.16	-4.97
2470	17.22	-7.64	-4.51
2480	22.64	-6.45	-3.99
2490	16.04	-7.95	-5.39
2500	18.03	-7.44	-4.91

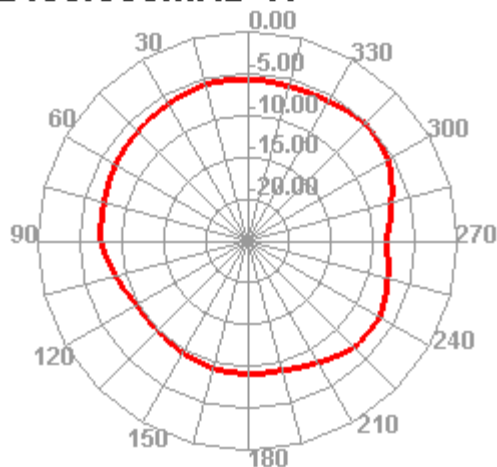
2400.000MHz



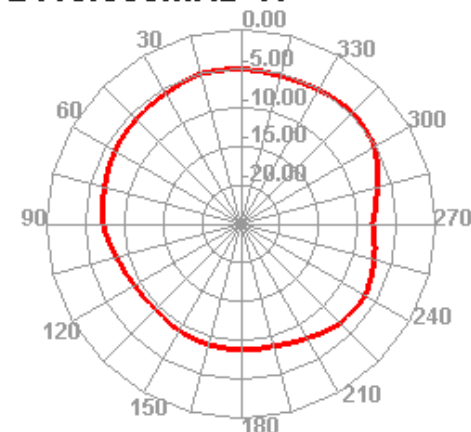
2410.000MHz



2400.000MHz H



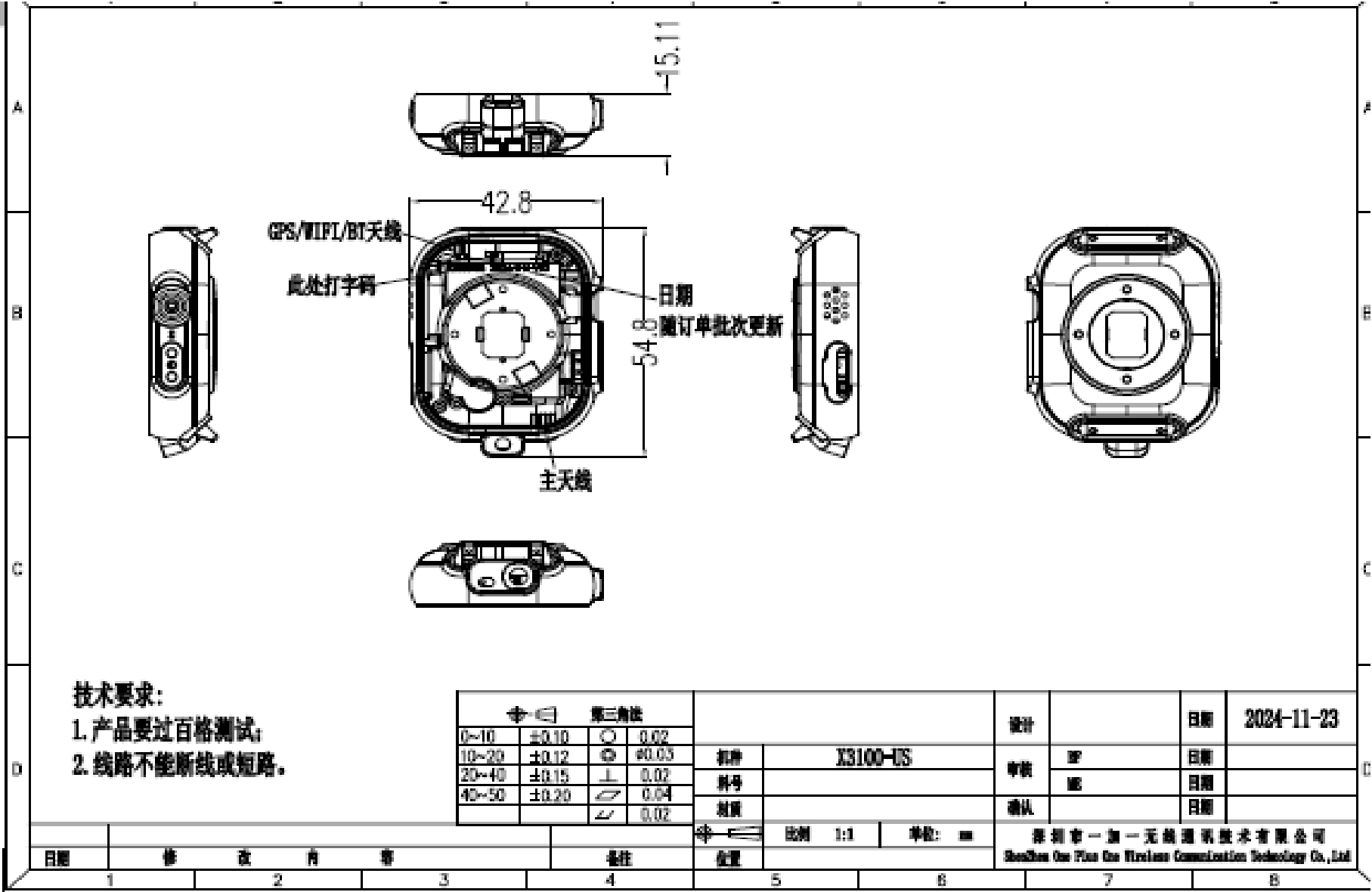
2410.000MHz H





天线尺寸

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谢谢