



Sample
BOOK
SPECIFICATION

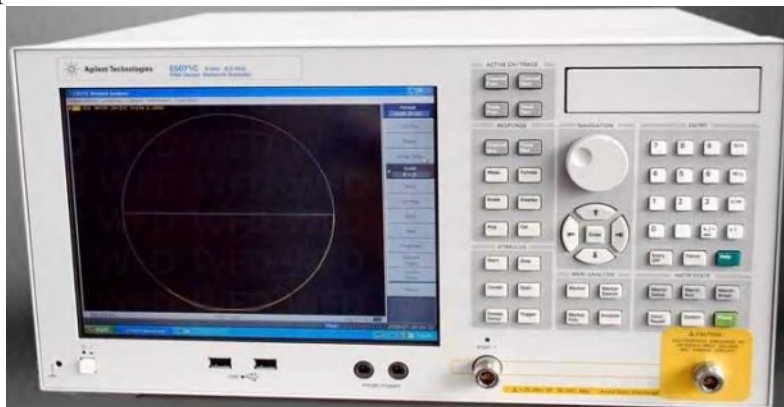
Client :	Eviews
Project name :	W107A
Antenna category:	LDS antenna
Edition :	V1. 0
Date :	2026. 2. 11
Supplier address:	Room 505-506, Block A, Donglian Building, Chuangye 2nd Road, Bao'an District, Shenzhen
Supplier :	Shenzhen Cicent Communication Technology Co., Ltd.

Catalogue

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Change History Column			
Creation/Change Date	Reason for change	Change content	Edition
2026.2.11	First edition release	First edition release	V1.0

1: Passive Test Report

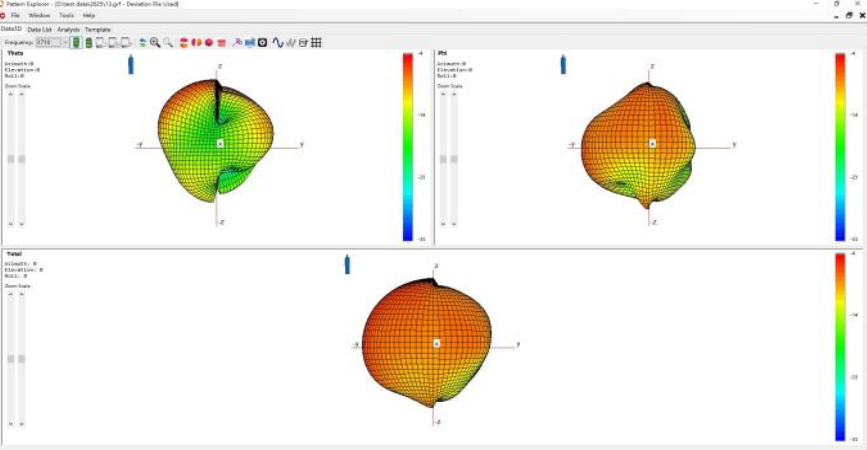


Passive efficiency

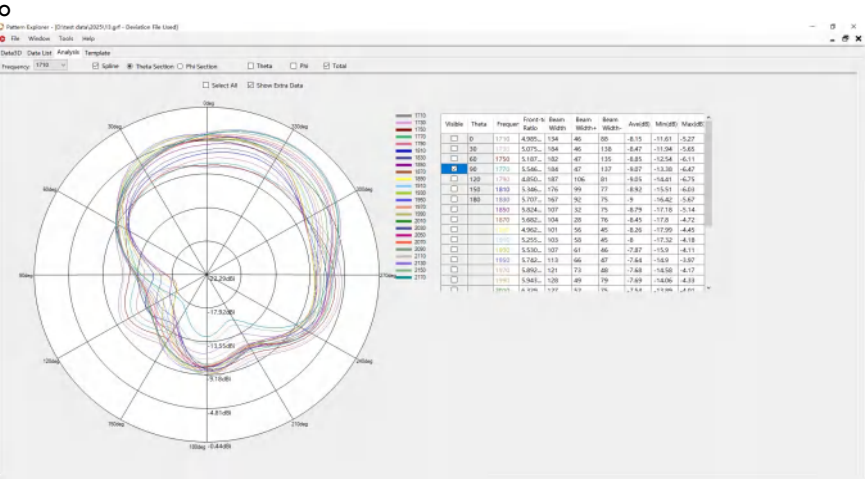
of Angilent E5071C main antenna: (B4)

B4			
Frequency	Productiveness dB	Gain	Productiveness %
1710	-8.25	-4.59	14.95
1730	-8.47	-4.50	14.22
1750	-8.80	-4.62	13.17
1770	-8.99	-4.71	12.61
1790	-8.83	-4.40	13.10
1810	-8.51	-3.98	14.08
1830	-8.31	-3.51	14.75
1850	-7.94	-3.07	16.06
1870	-7.54	-2.51	17.64
1890	-7.28	-2.33	18.72
1910	-6.86	-1.89	20.62
1930	-6.78	-1.84	21.00
1950	-6.55	-1.68	22.11
1970	-6.55	-1.84	22.12
1990	-6.54	-2.03	22.20
2010	-6.40	-1.93	22.93
2030	-6.22	-1.74	23.90
2050	-6.29	-1.63	23.49
2070	-6.26	-1.38	23.68
2090	-6.12	-1.04	24.46
2110	-6.04	-0.74	24.87
2130	-6.03	-0.46	24.97
2150	-6.33	-0.58	23.27
2170	-6.57	-0.54	22.01
1950	-6.55	-1.68	22.11
1970	-6.55	-1.84	22.12
1990	-6.54	-2.03	22.20
2010	-6.40	-1.93	22.93
2030	-6.22	-1.74	23.90
2050	-6.29	-1.63	23.49
2070	-6.26	-1.38	23.68
2090	-6.12	-1.04	24.46
2110	-6.04	-0.74	24.87
2130	-6.03	-0.46	24.97
2150	-6.33	-0.58	23.27
2170	-6.57	-0.54	22.01

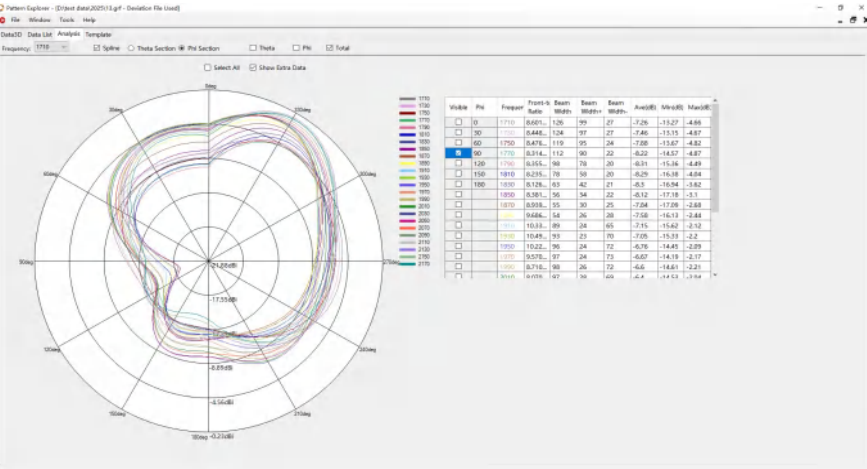
Antenna 3D Direction Pattern



Antenna 2D pattern Theta = 90



Phi=90°



Pattern Explorer - D:\test_data\2025\1\g-f - Debris (ke User)

File Window Viewers Tools Help

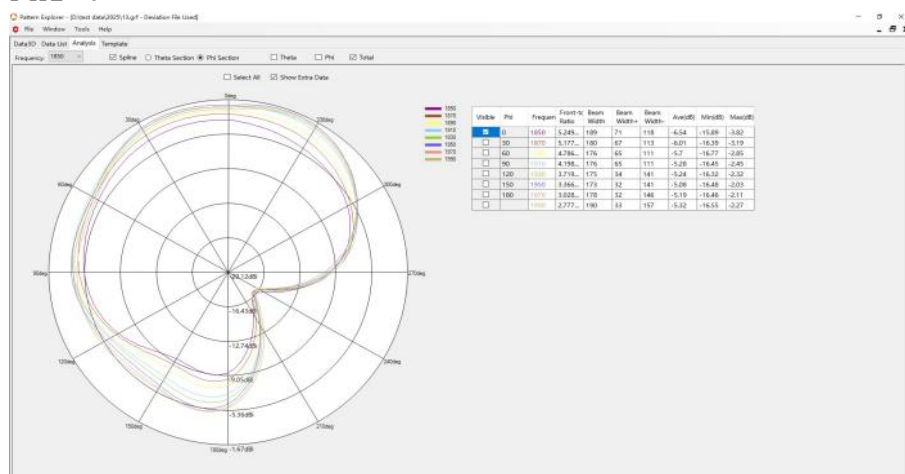
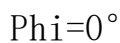
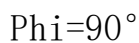
DataID Data List Analysis Template

Frequency: 1750 ☐ Spline ☐ Static Section ☐ Fit Section ☐ Theta ☐ Phi ☐ Total

☐ Select All ☒ Show Extra Data

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B2			
Frequency	Productiveness dB	Gain	Productiveness %
1850	-7.94	-3.07	16.06
1870	-7.54	-2.51	17.64
1890	-7.28	-2.33	18.72
1910	-6.86	-1.89	20.62
1930	-6.78	-1.84	21.00
1950	-6.55	-1.68	22.11
1970	-6.55	-1.84	22.12
1990	-6.54	-2.03	22.20

$$\text{Theta} = 90^\circ$$


B12			
Frequency	Productiveness dB	Gain	Productiveness %
699	-11.81	-6.81	6.59
709	-11.37	-6.30	7.30
719	-10.87	-5.74	8.19
729	-10.57	-5.35	8.76
739	-10.54	-5.30	8.82
749	-10.48	-5.13	8.95

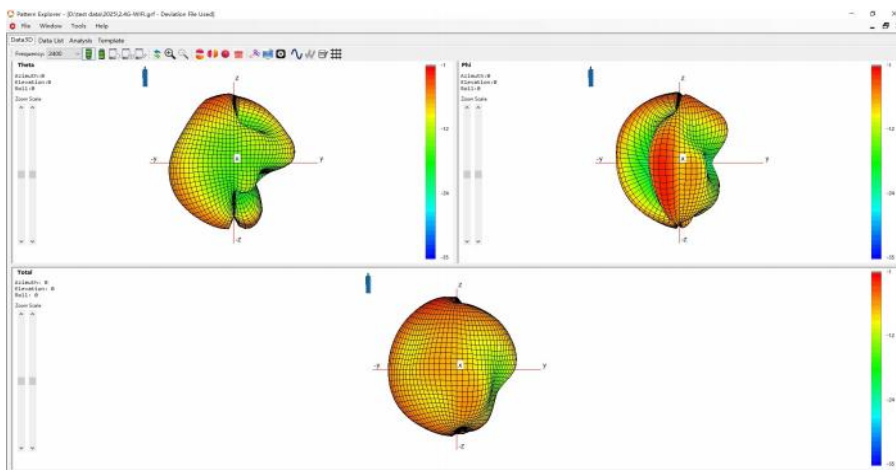
[illegible]

[illegible][illegible]

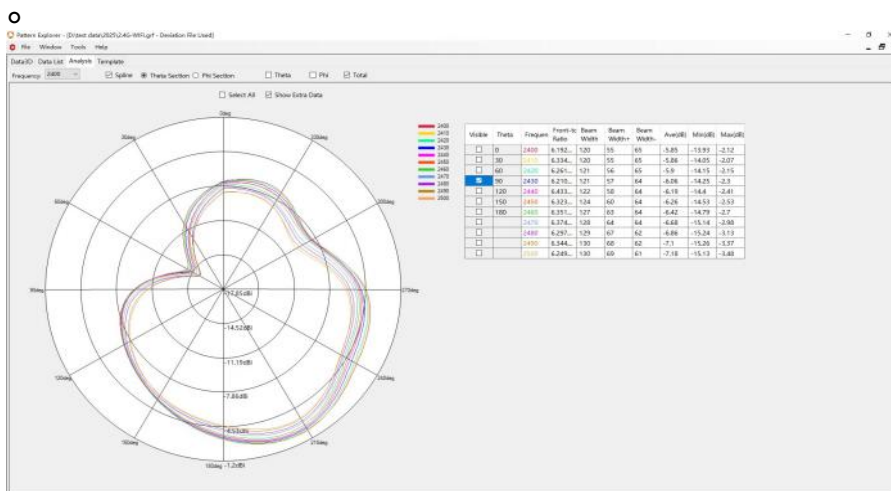
WIFI/BT antenna passive efficiency:

WIFI			
Frequency	Productiveness dB	Gain	Productiveness %
2400	-5.58	-1.49	27.64
2410	-5.54	-1.34	27.95
2420	-5.52	-1.25	28.08
2430	-5.56	-1.21	27.77
2440	-5.65	-1.25	27.25
2450	-5.71	-1.29	26.86
2460	-5.83	-1.30	26.13
2470	-6.03	-1.40	24.93
2480	-6.16	-1.40	24.22
2490	-6.37	-1.56	23.06
2500	-6.43	-1.62	22.73

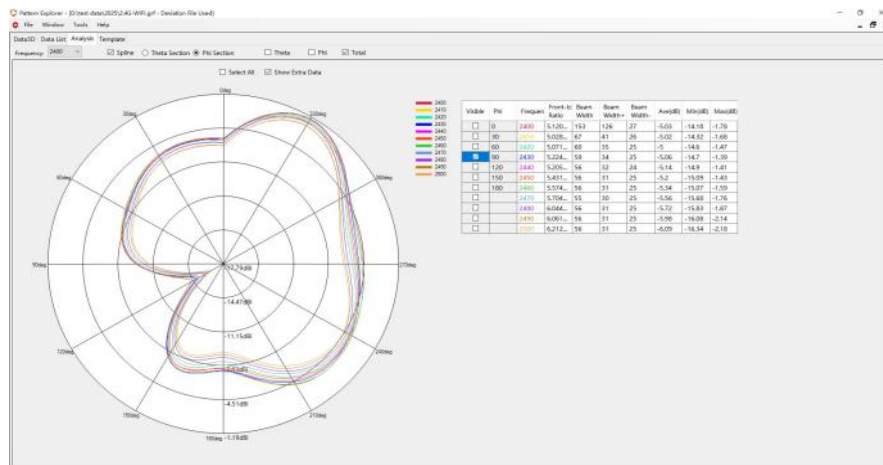
Antenna 3D Direction Pattern



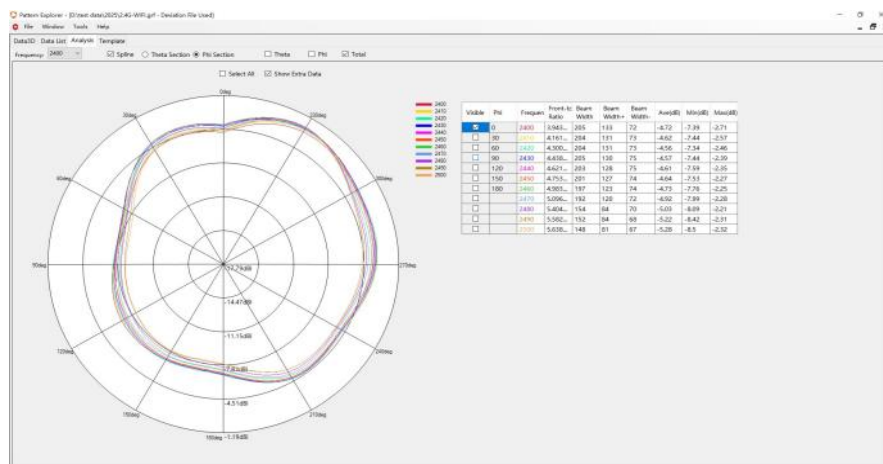
Antenna 2D pattern Theta = 90



Phi=90°



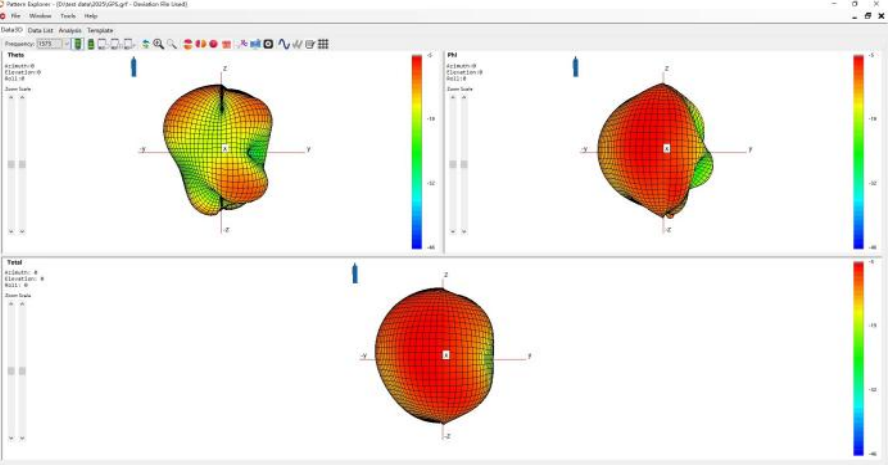
Phi=0°



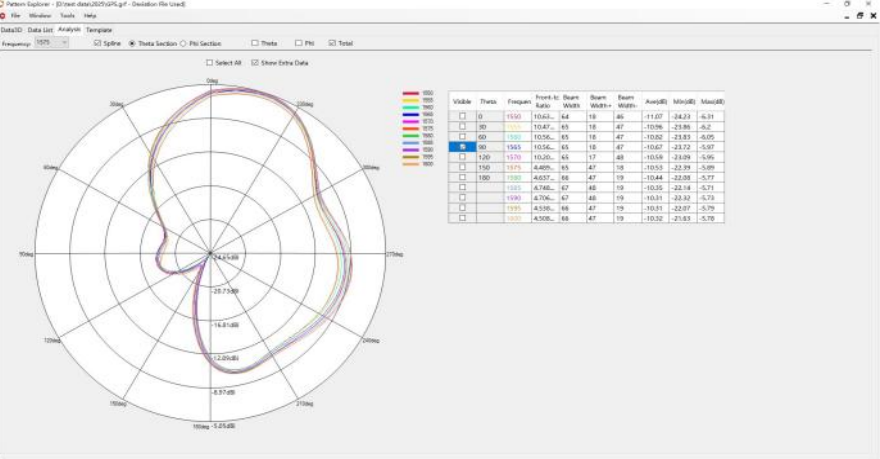
GPS antenna passive efficiency:

GPS			
Frequency	Productiveness dB	Gain	Productiveness %
1550	-10.46	-6.00	9.00
1555	-10.33	-5.89	9.28
1560	-10.21	-5.79	9.52
1565	-10.07	-5.63	9.85
1570	-9.93	-5.47	10.15
1575	-9.83	-5.35	10.40
1580	-9.75	-5.28	10.59
1585	-9.71	-5.28	10.68
1590	-9.68	-5.24	10.78
1595	-9.64	-5.18	10.86
1600	-9.62	-5.20	10.91

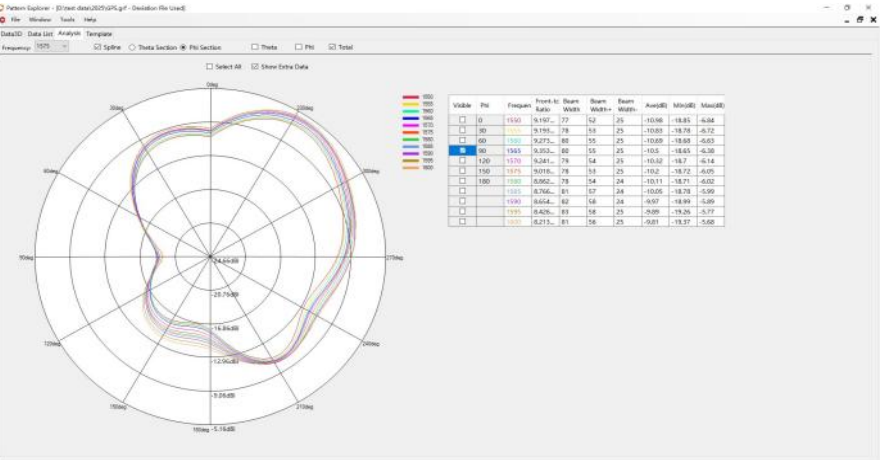
Antenna 3D Direction Pattern



Antenna 2D pattern Theta = 90



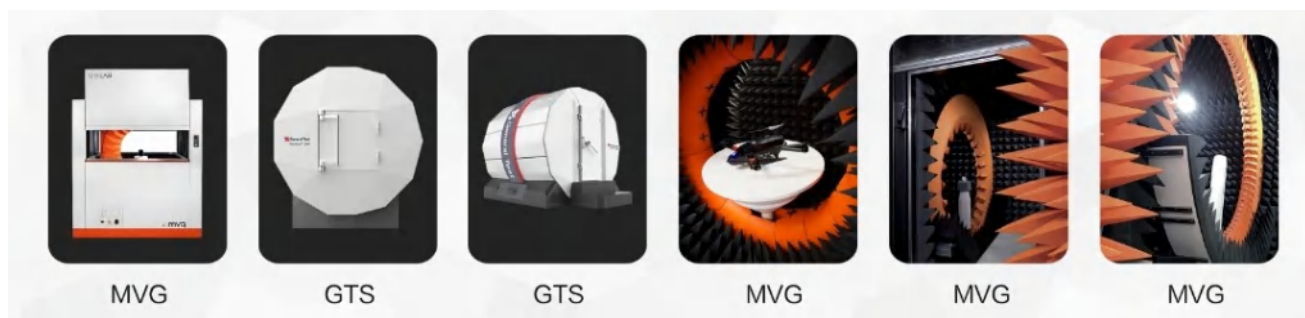
Phi=90°



[illegible]

II: Active Test Data

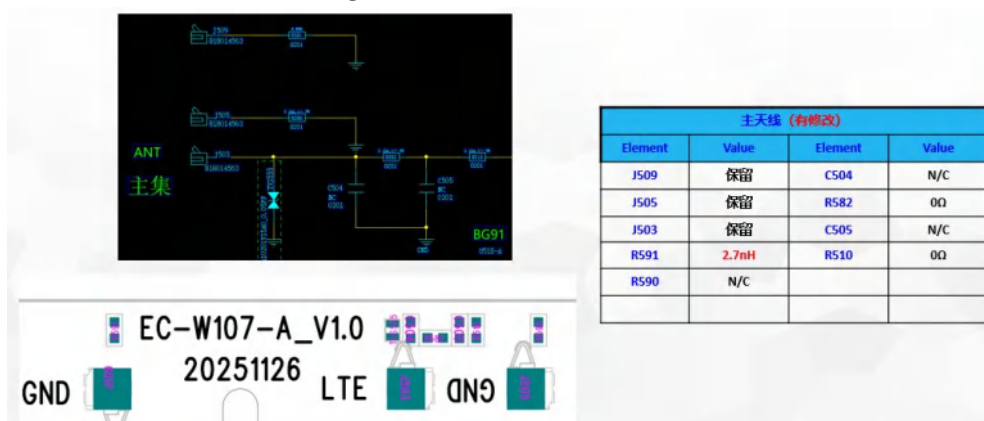
Arm model	Channel	TRP (dBm)	TIS (dBm)
FDD B2	CH 18650	16.7	
	CH 18900	16.5	
	CH 19150	16.5	-87.2
FDD B4	CH 20000	14.7	
	CH 20175	14.7	
	CH 20350	14.9	-86.7
FDD B12	CH 23035	11.3	
	CH 23095	11.2	
	CH 23155	10.9	-85.2



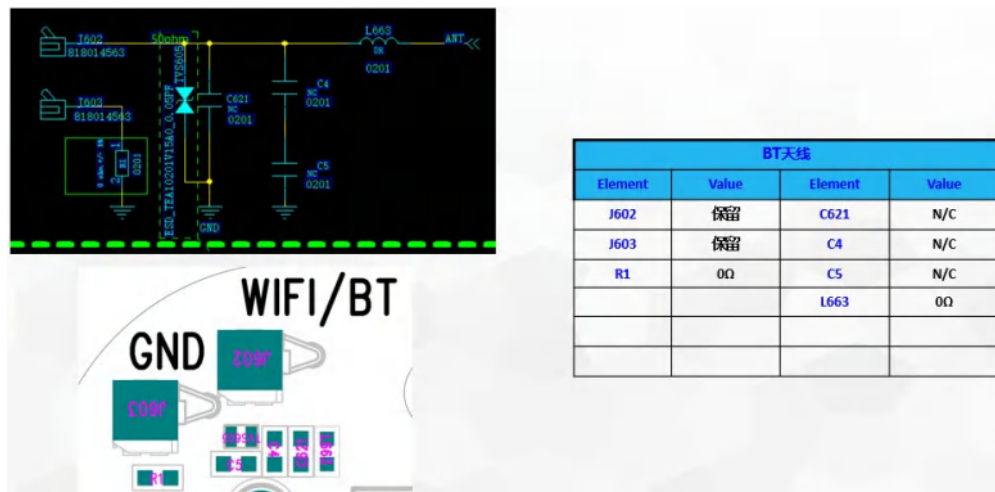
OTA Standard Chamber

III: Matching Circuit

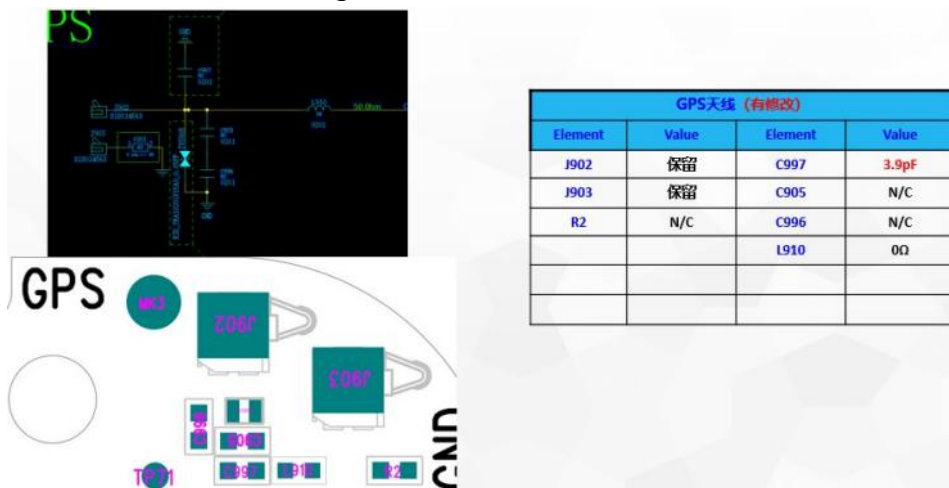
Main antenna matching circuit:



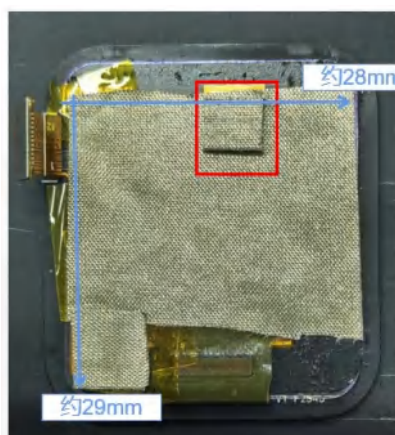
WIFI/BT antenna matching circuit:



GPS antenna matching circuit:

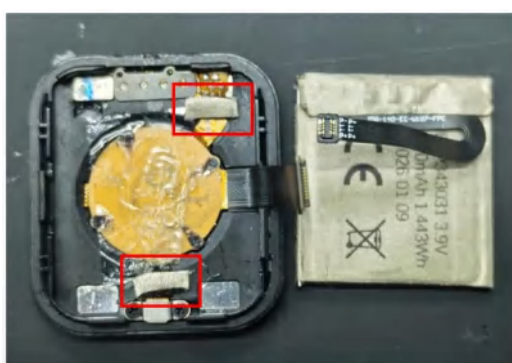


IV: Environmental Management



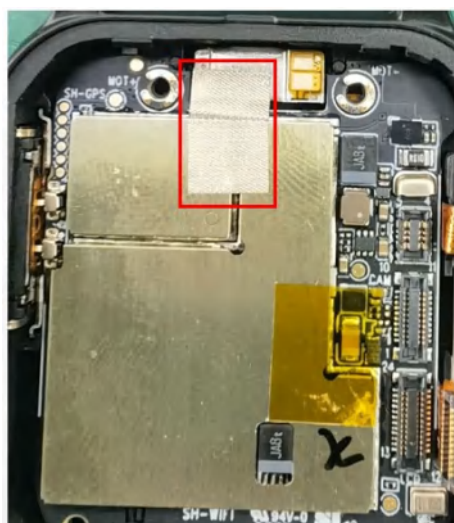
如图所示:

1.屏幕增加导电布包屏处理, 还是在原来的露铜区域用导电泡棉与主板屏蔽罩做接地处理;



如图所示:

2.电池需要用导电布包起来处理;
3.心率排线对应红色方框区域需要做露铜处理, 增加导电泡棉与电池的导电布做接地处理;



如图所示:

4.喇叭用导电布接地;



如图所示:

5.主板对应的红色方框区域需要增加导电泡棉, 让电池包的导电布与主板做接地处理;

请注意确认以及导入如上的环境处理, 目前的环境对低频段的整机TIS数据会有影响, 做了如上处理后, 低频整机TIS数据才能满足要求以及测试稳定。

5: Structure Diagram File

