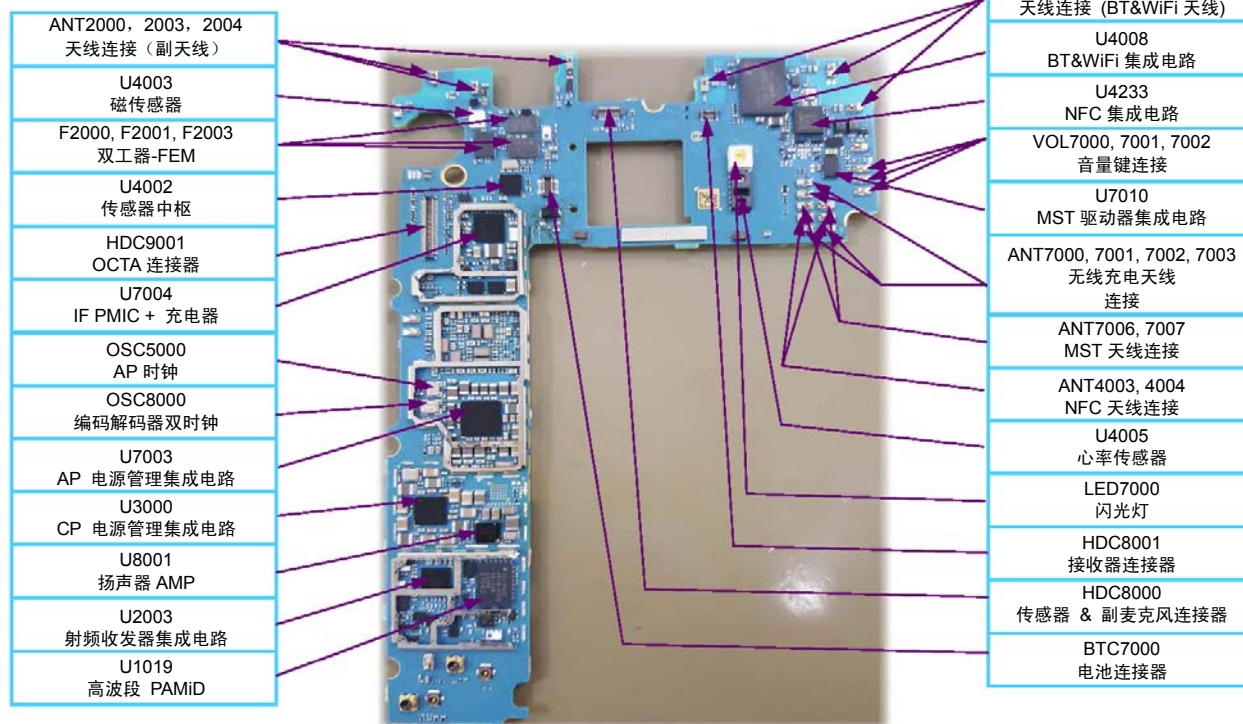


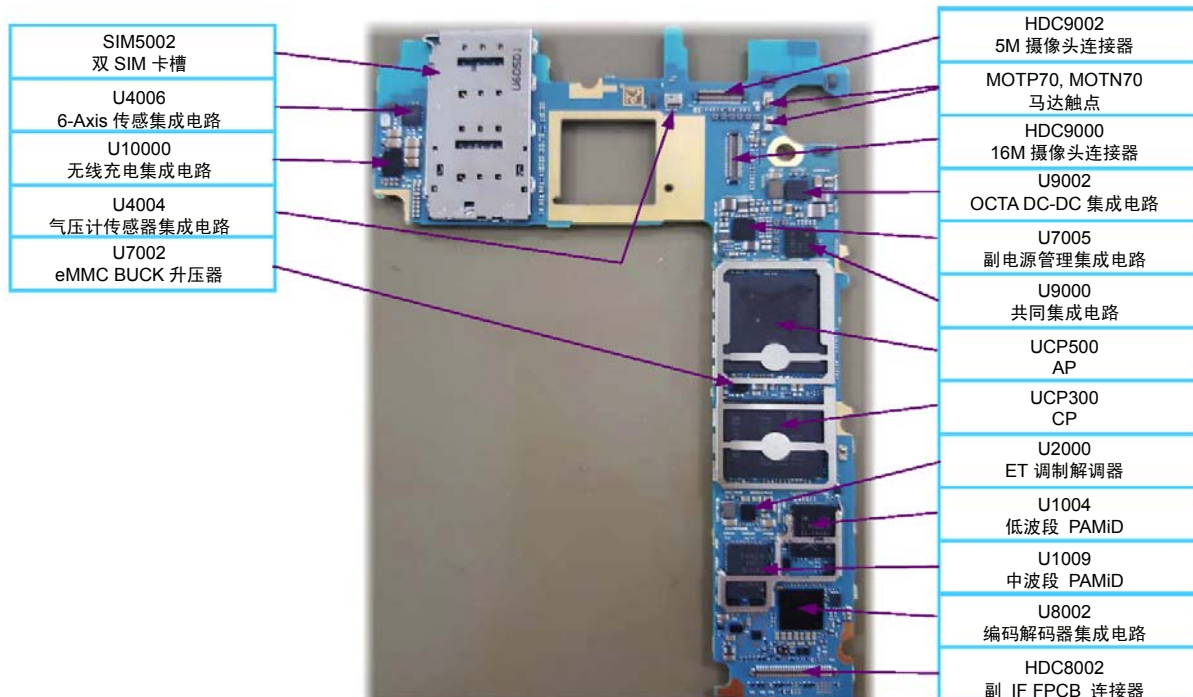
8.3 级维修

8-1. 组件布局

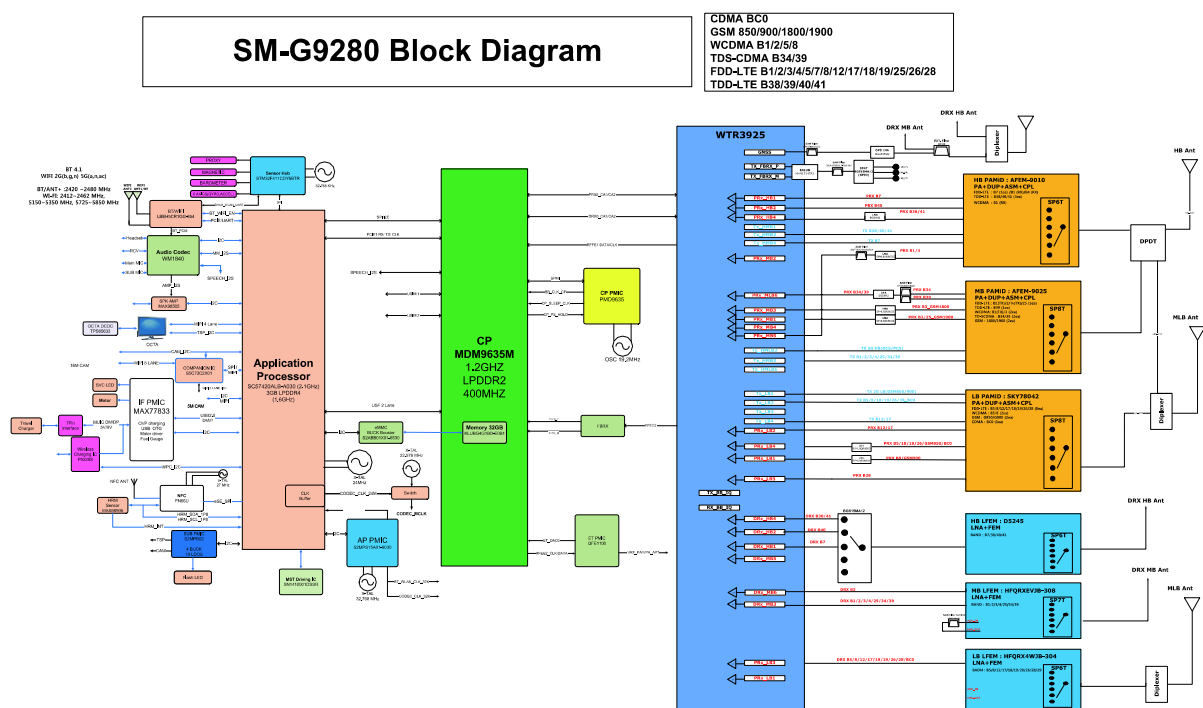
PBA（顶部视图）



PBA（底部视图）

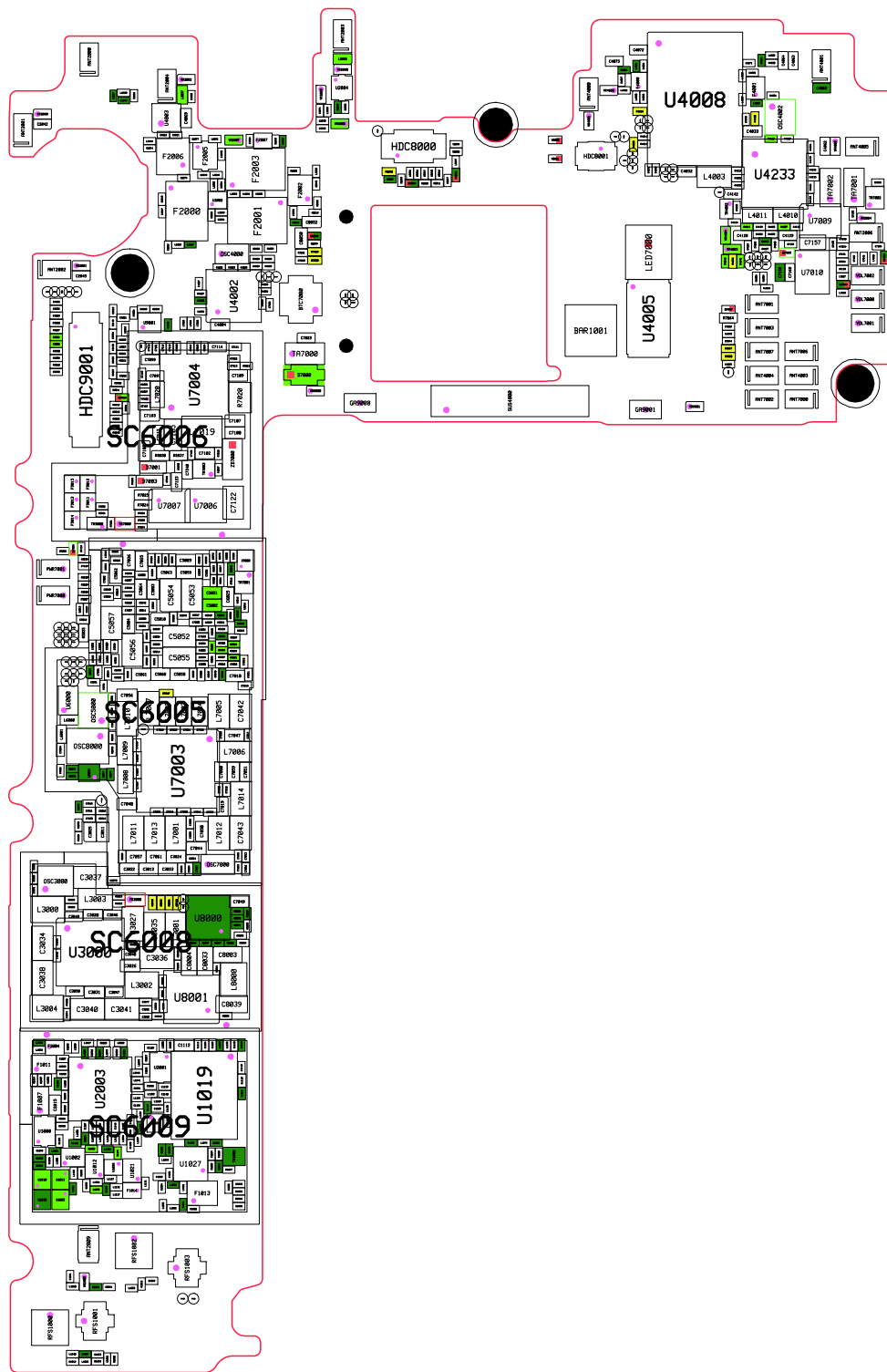


8-2. 框图



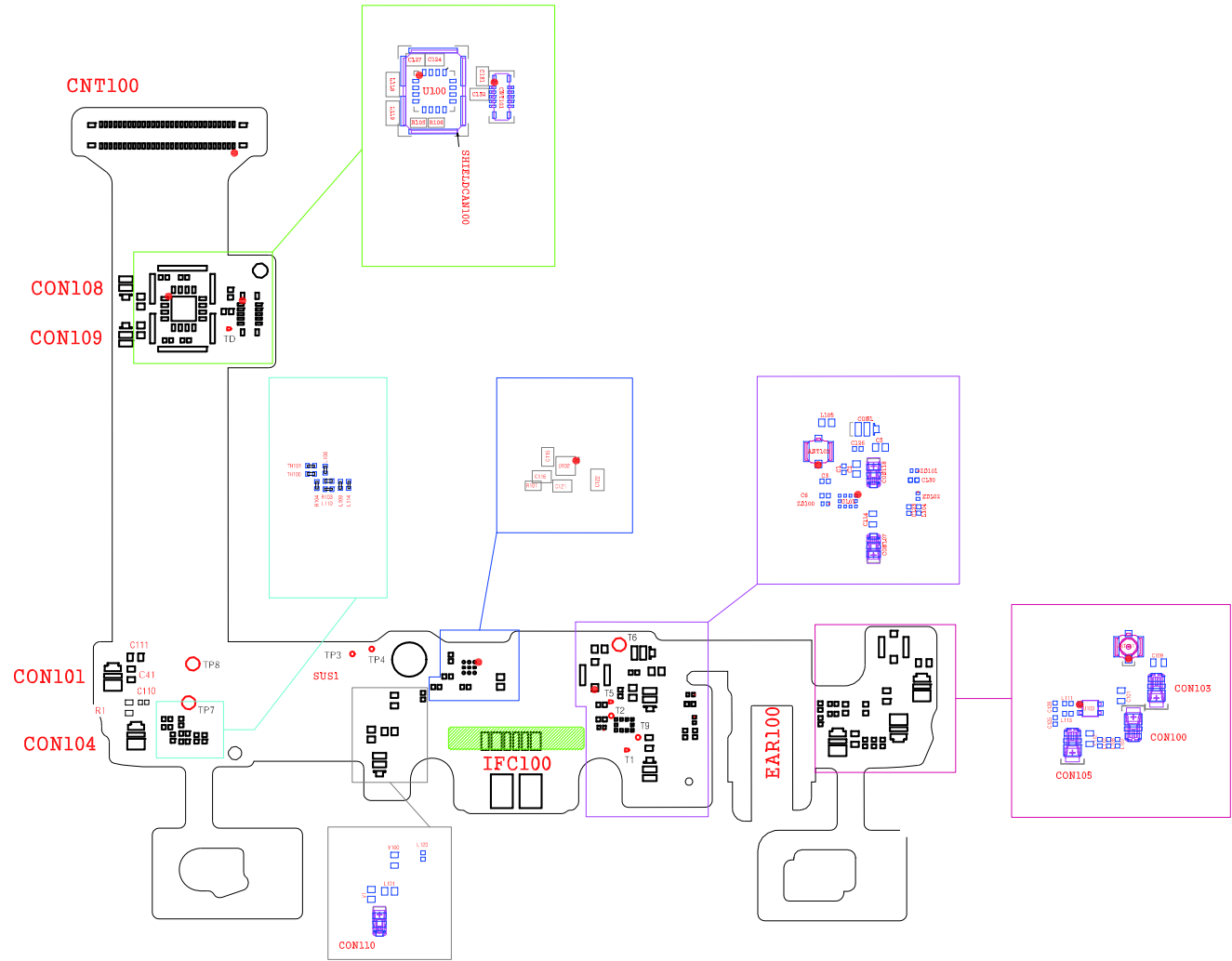
8-3. PCB 图解

8-3-1. 顶部

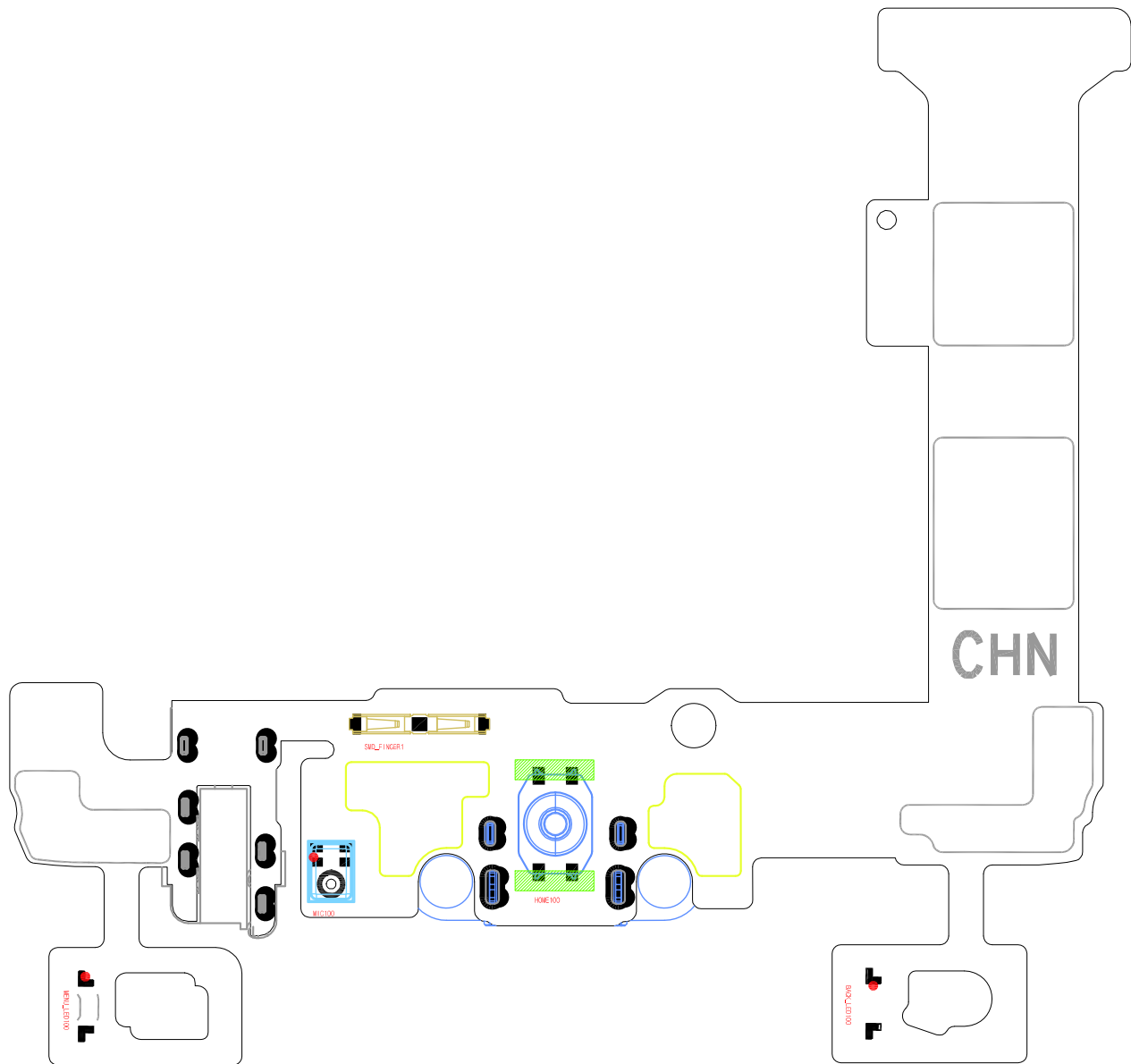




8-3-3.副 PBA 顶部

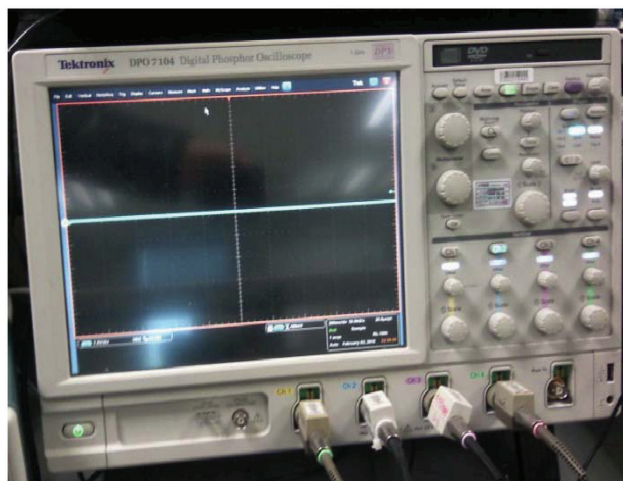


8-3-4.副 PBA 底部



8-4. 故障排除流程图

设备



↑示波器



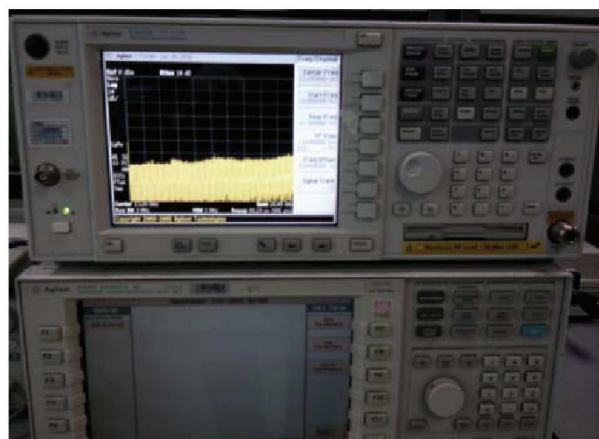
↑数字万用表



↑电源供电器



↑+字螺丝刀，ESD 安全镊子

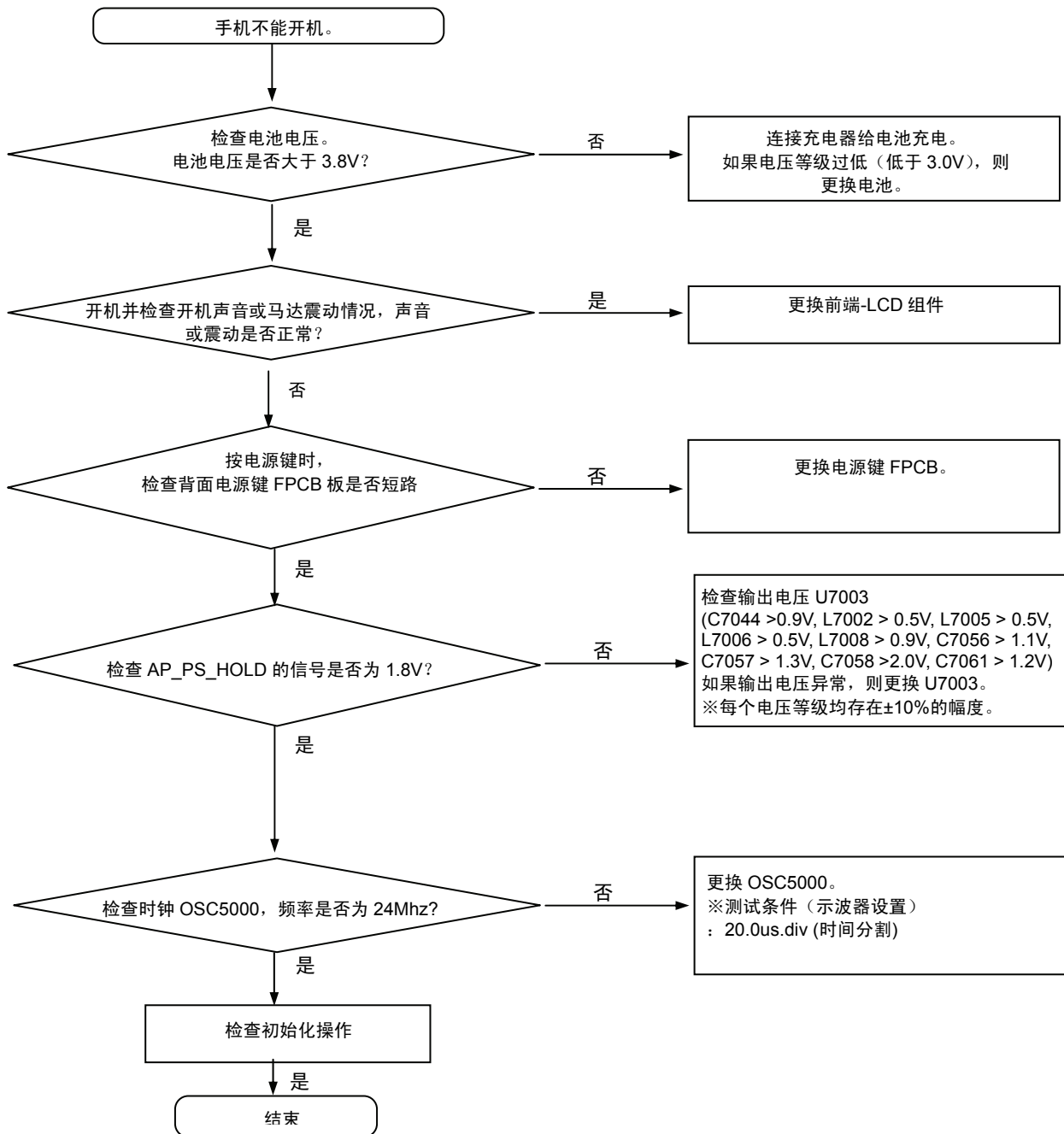


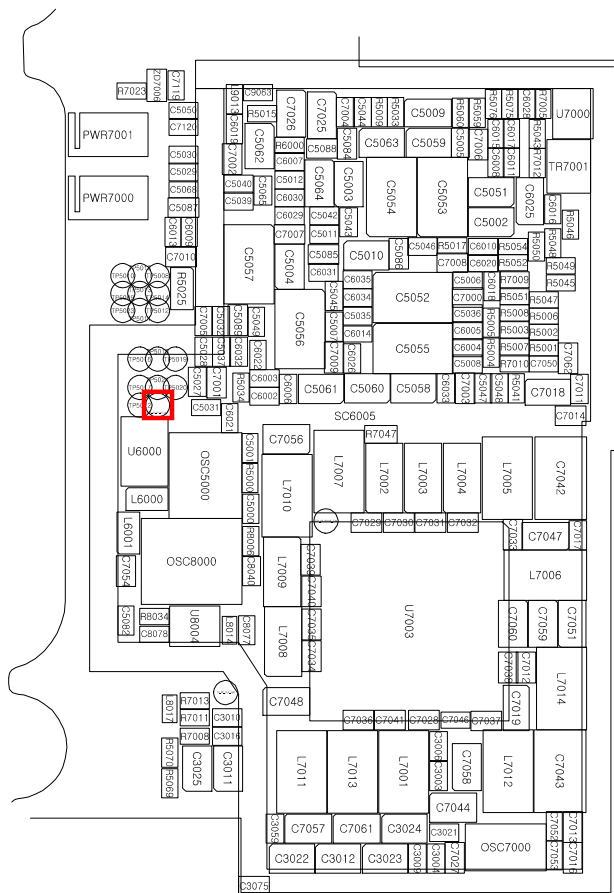
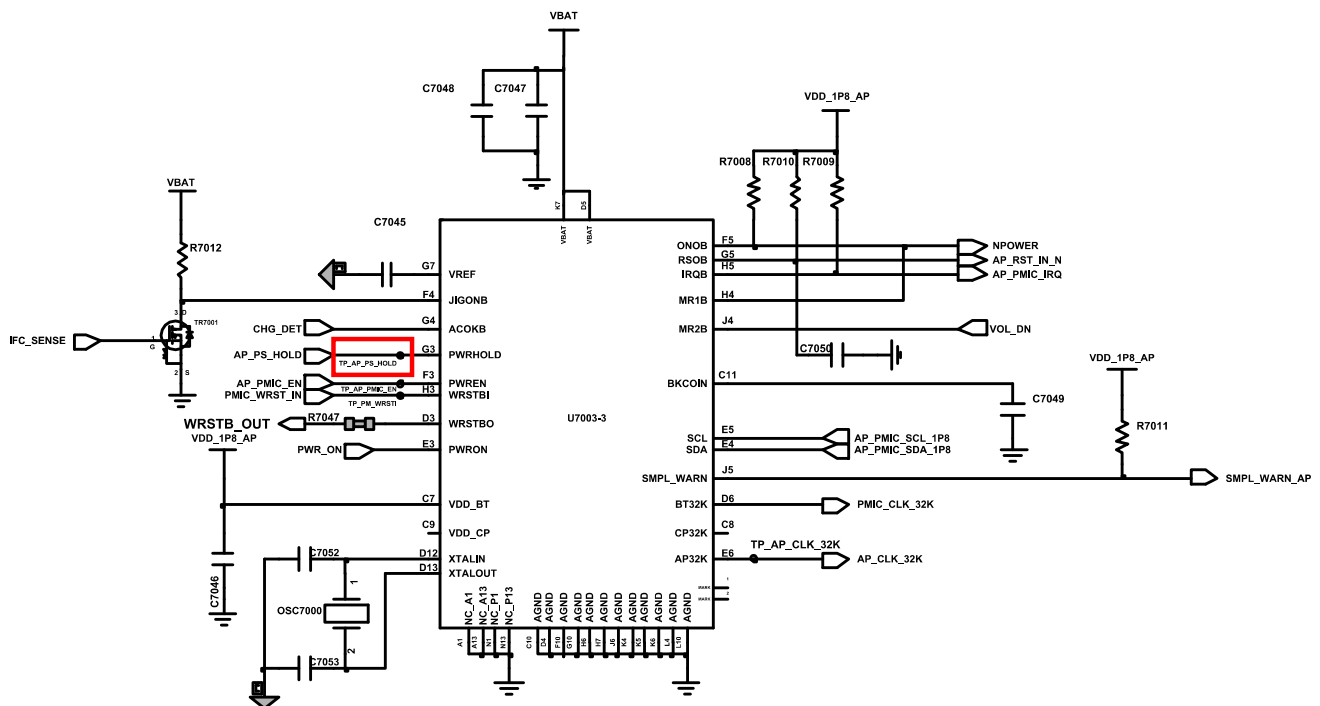
↑8960 和频谱仪

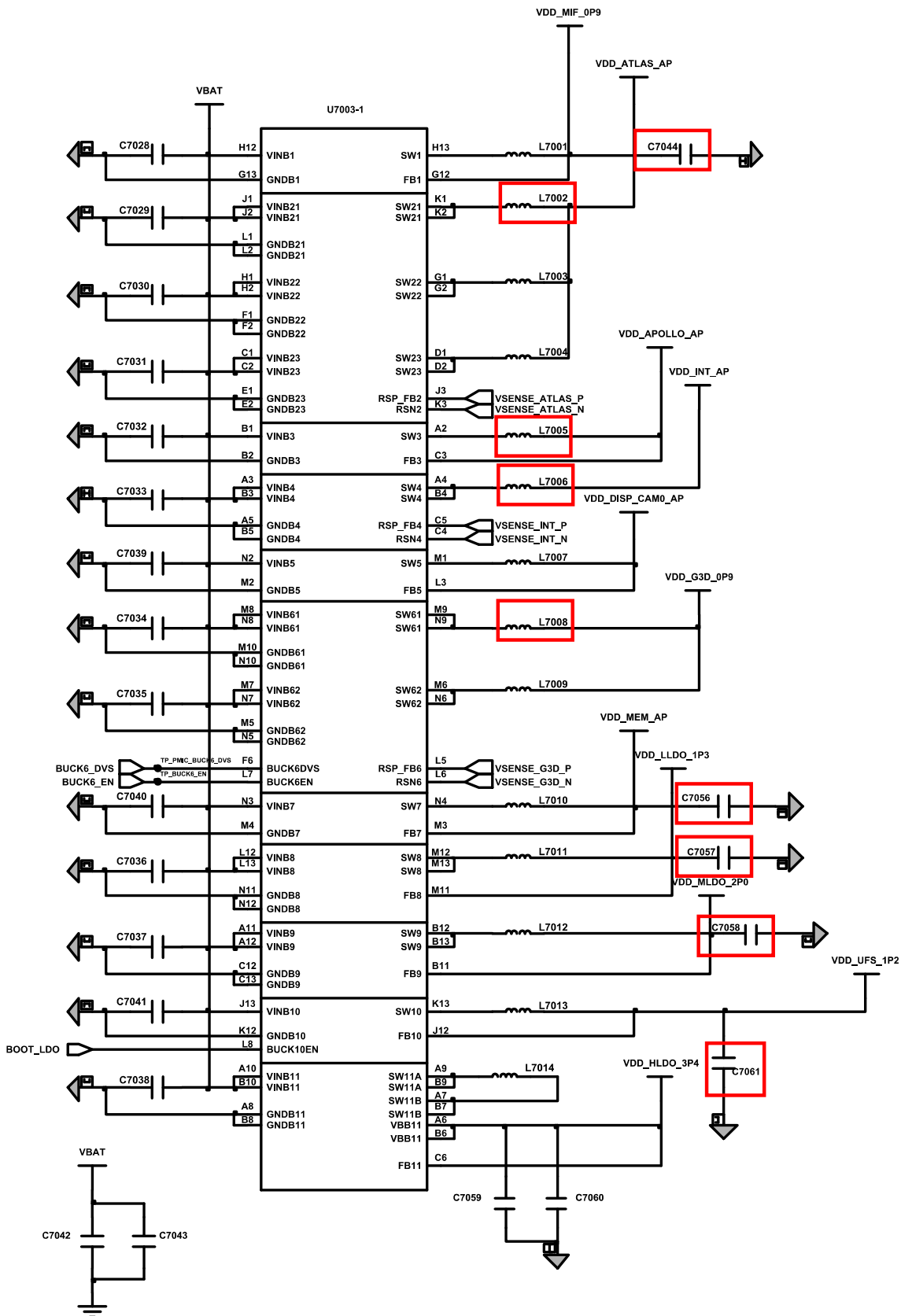


↑焊接烙铁

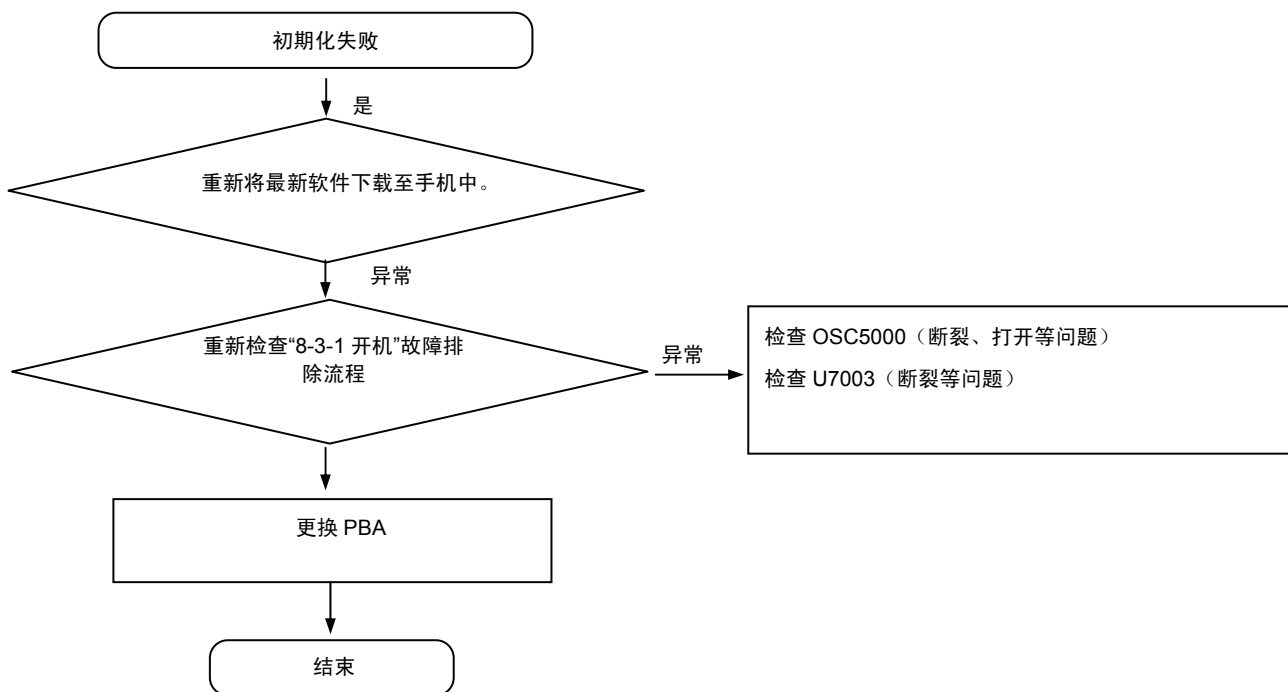
8-4-1. 开机

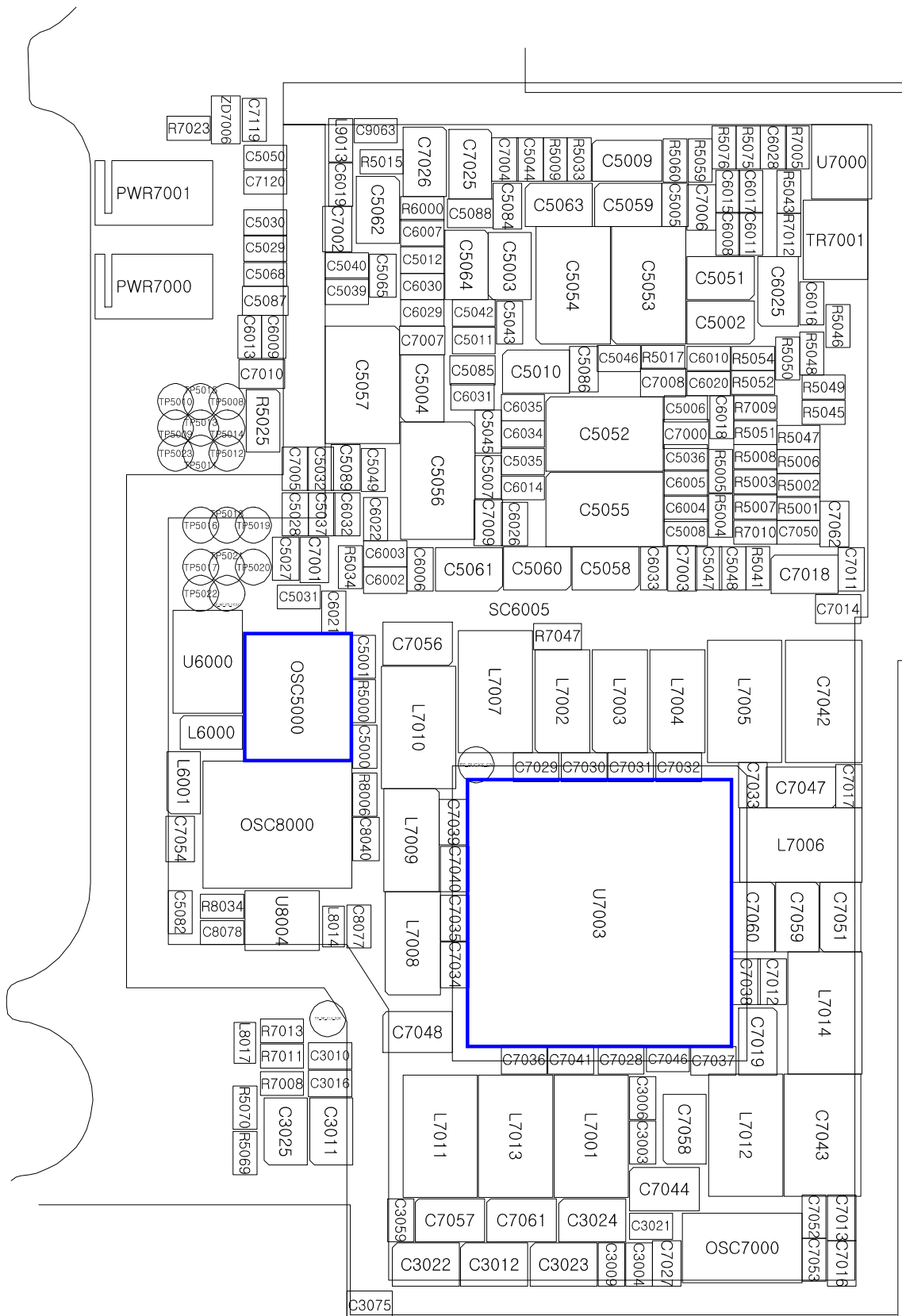




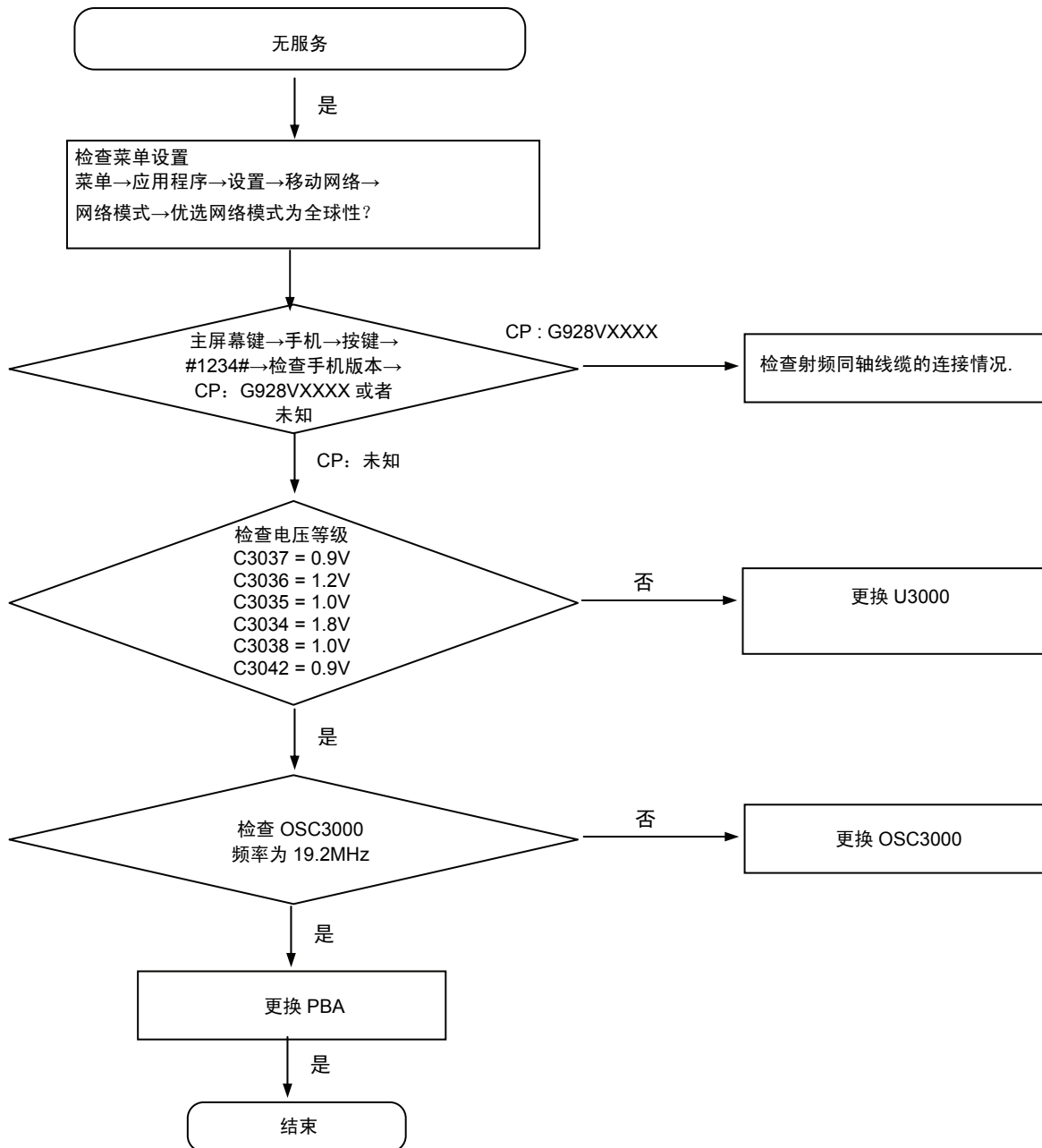


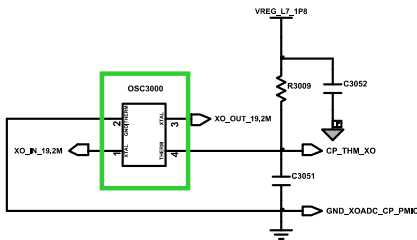
8-4-2 初始化



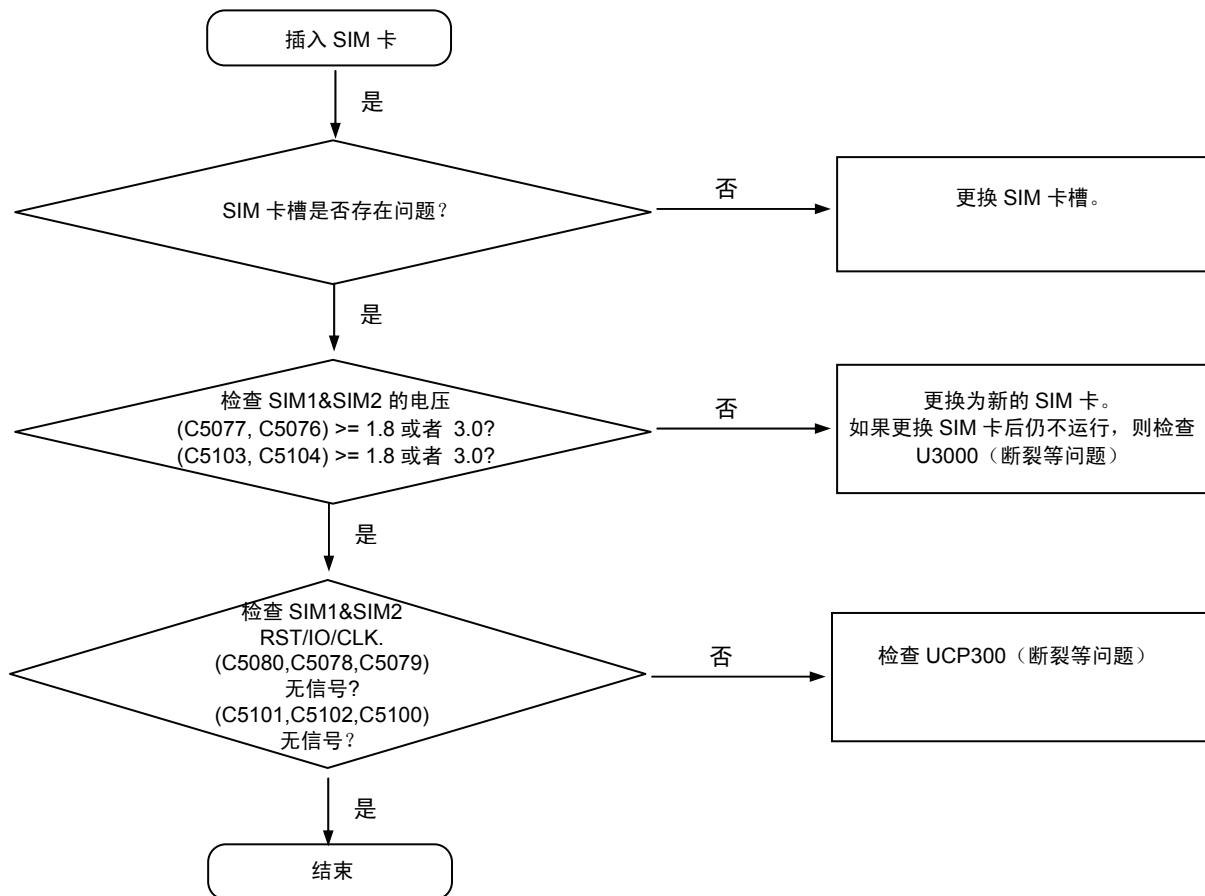


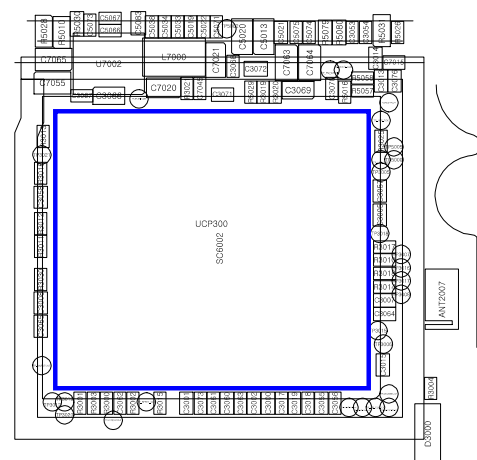
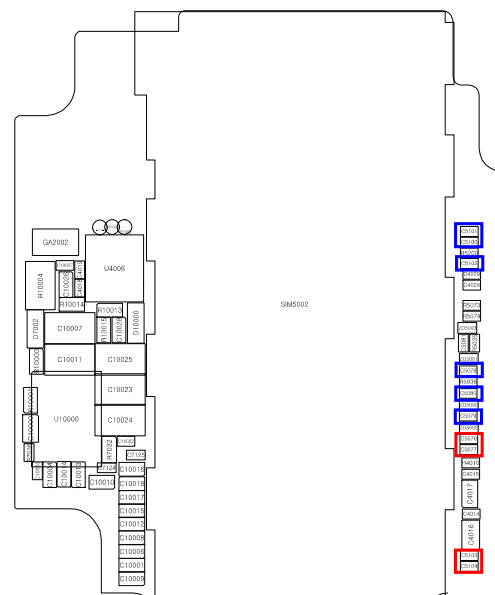
8-4-3. 无服务



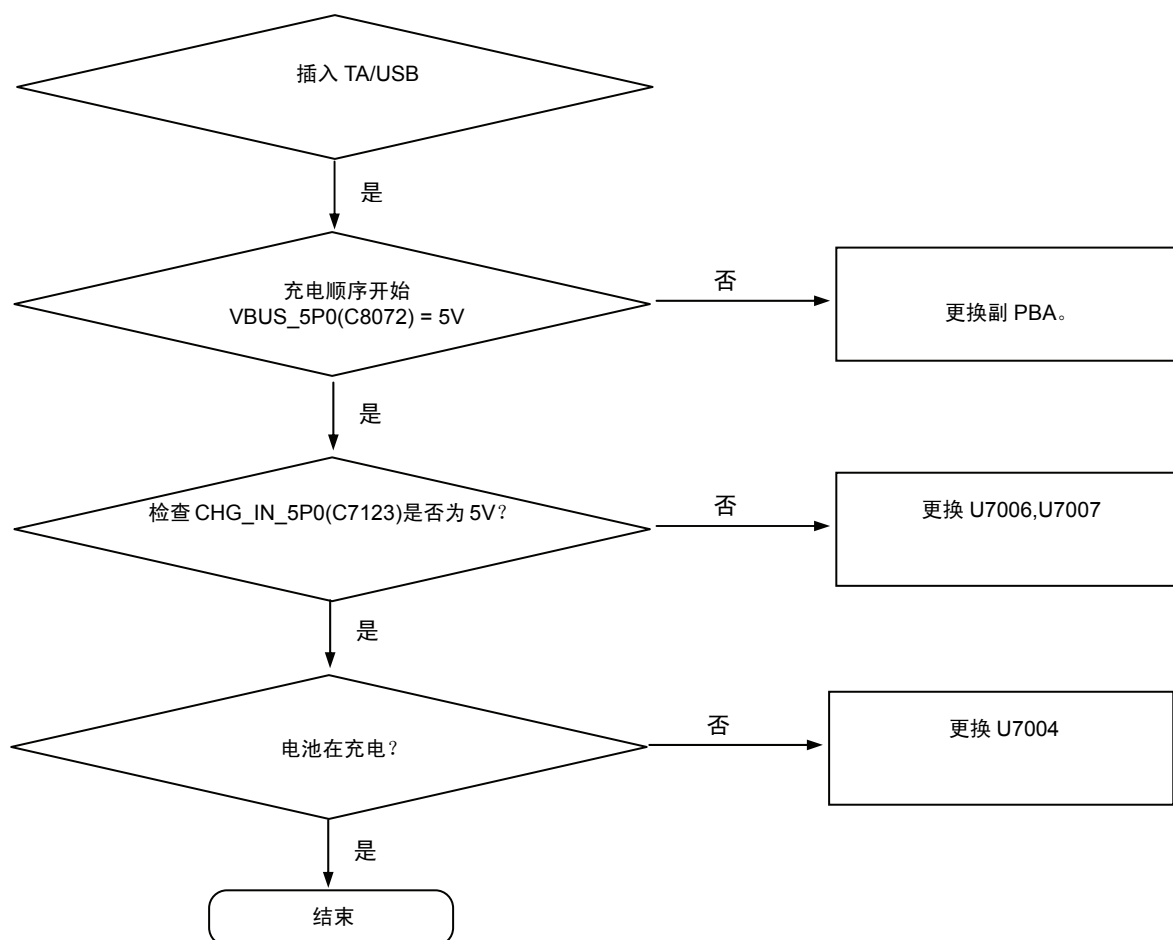


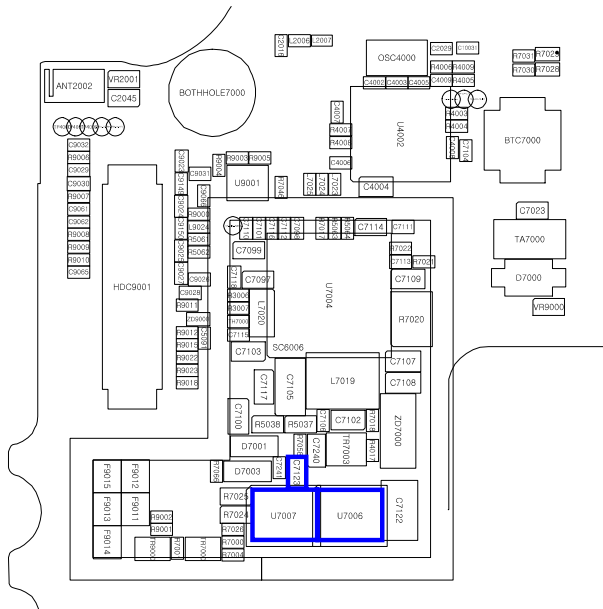
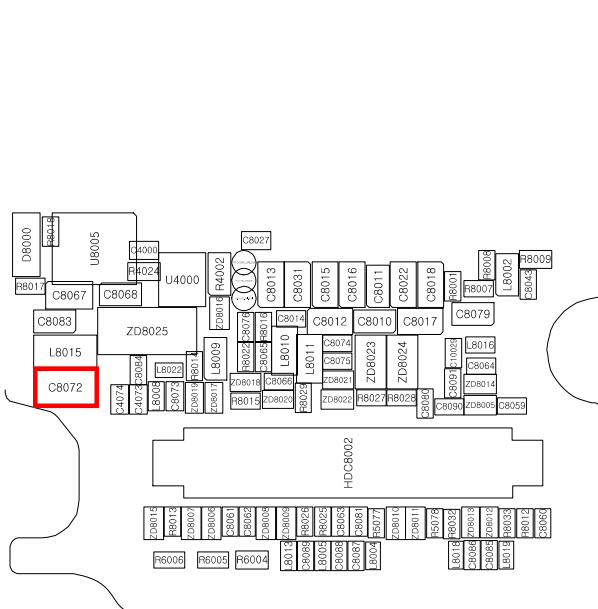
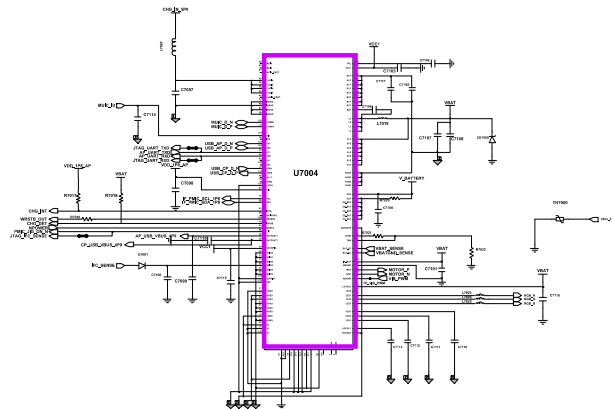
8-4-4. SIM 卡



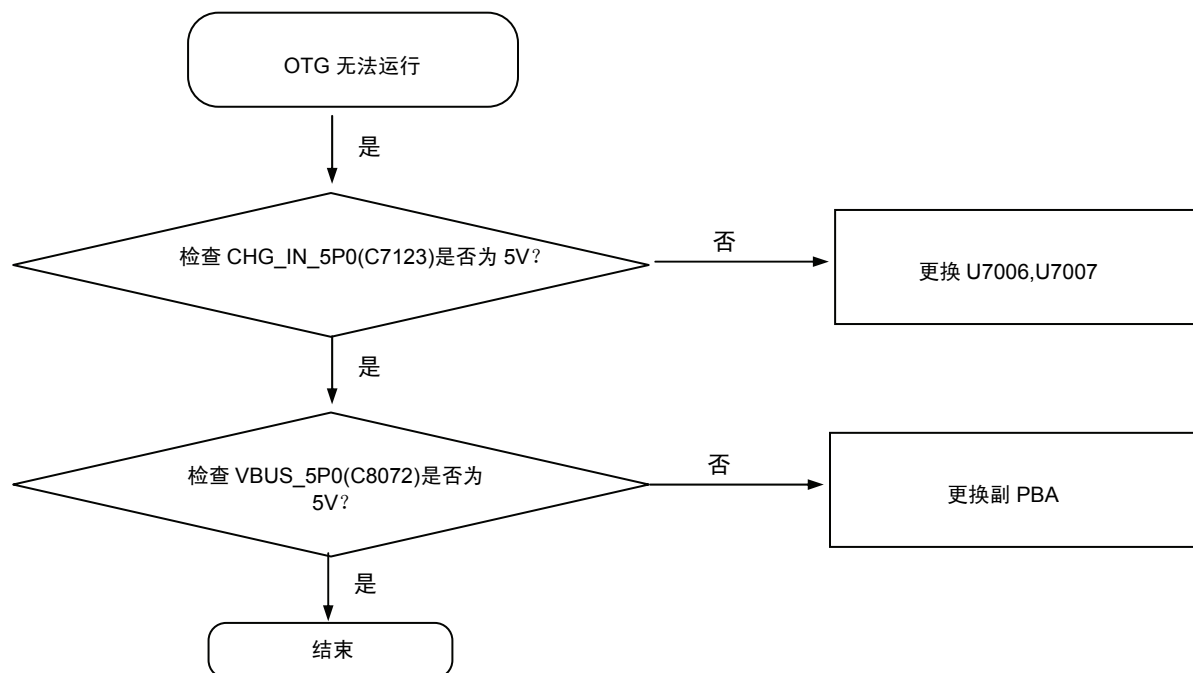


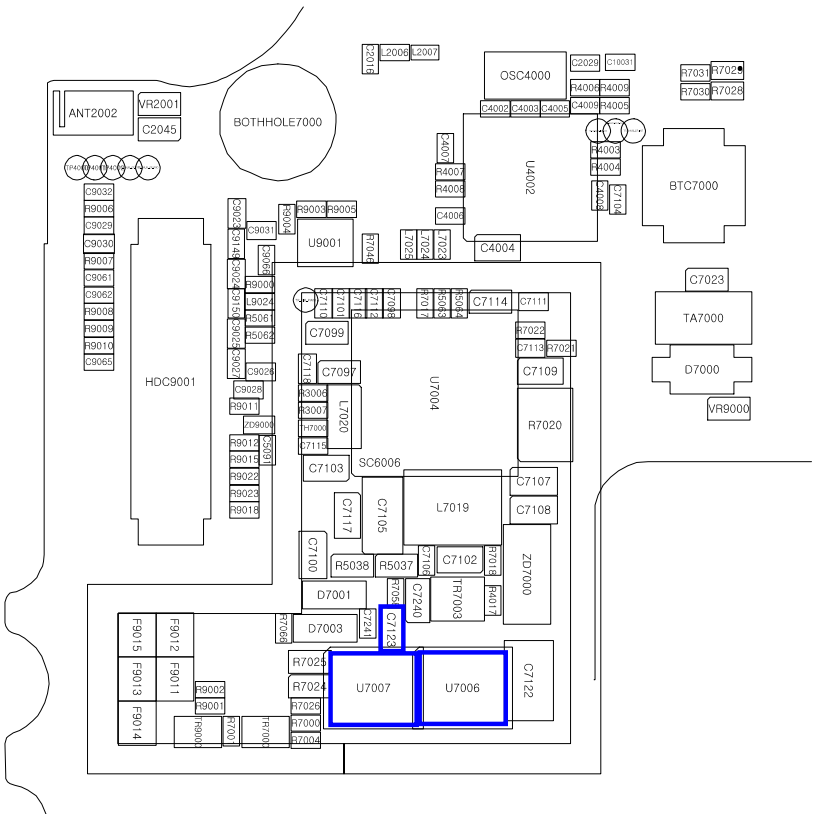
8-4-5. 充电部分

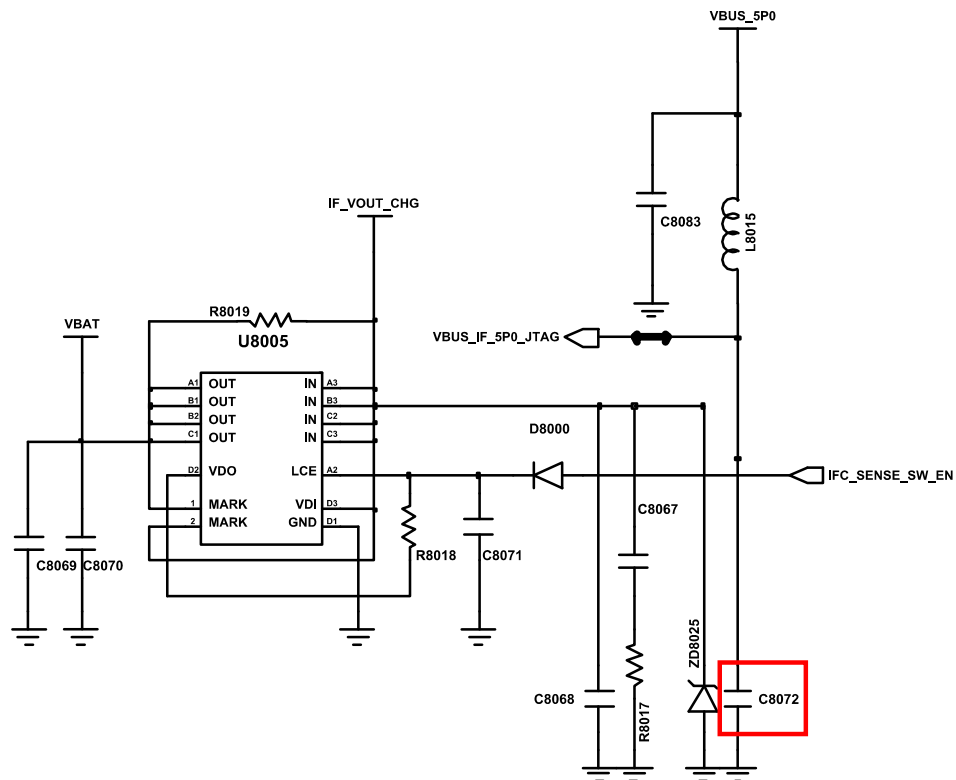




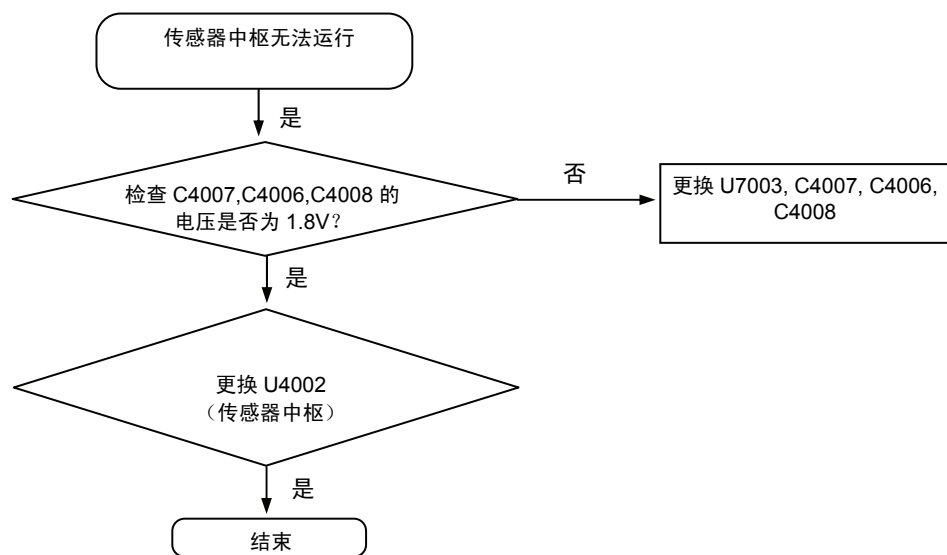
8-4-6. OTG

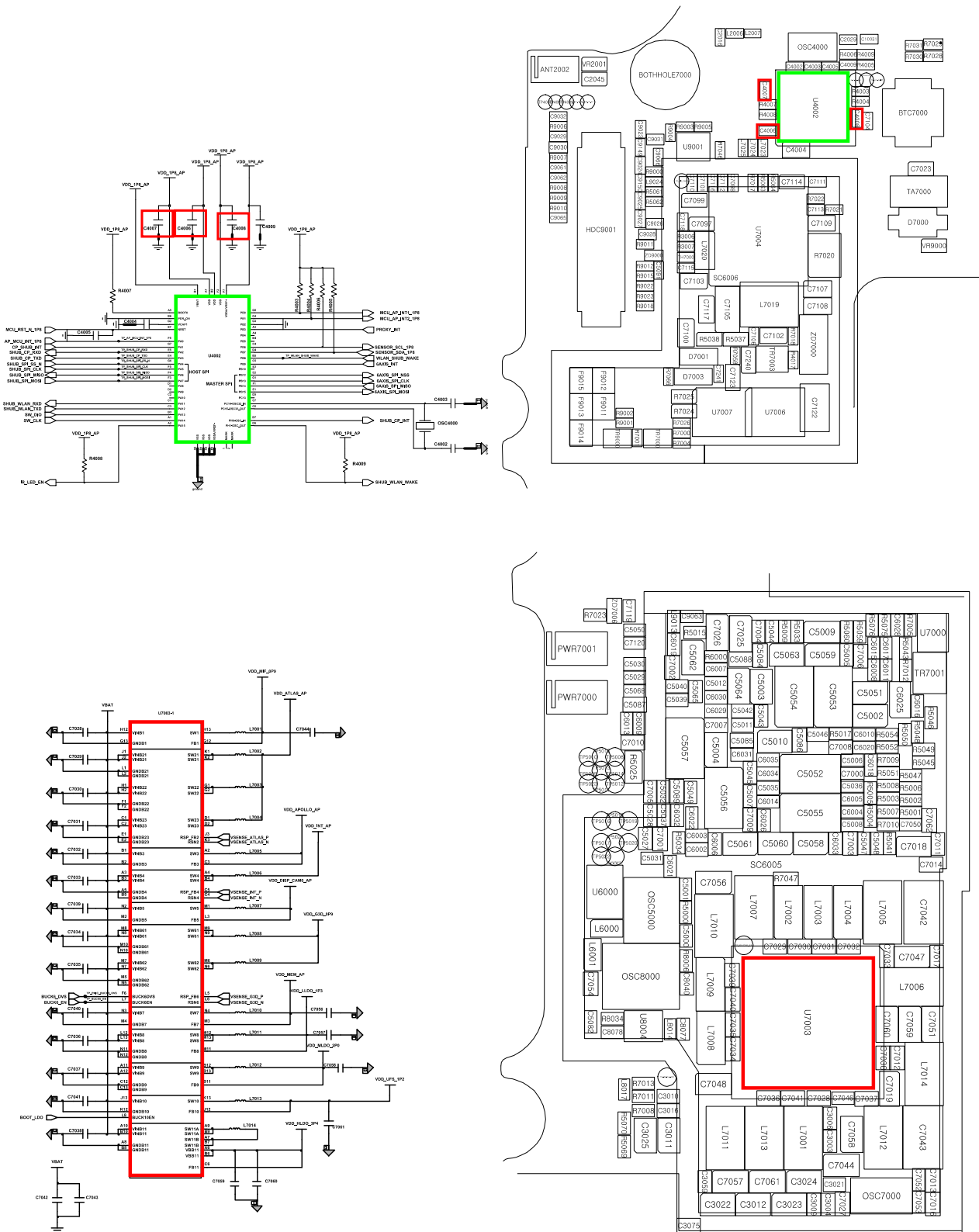




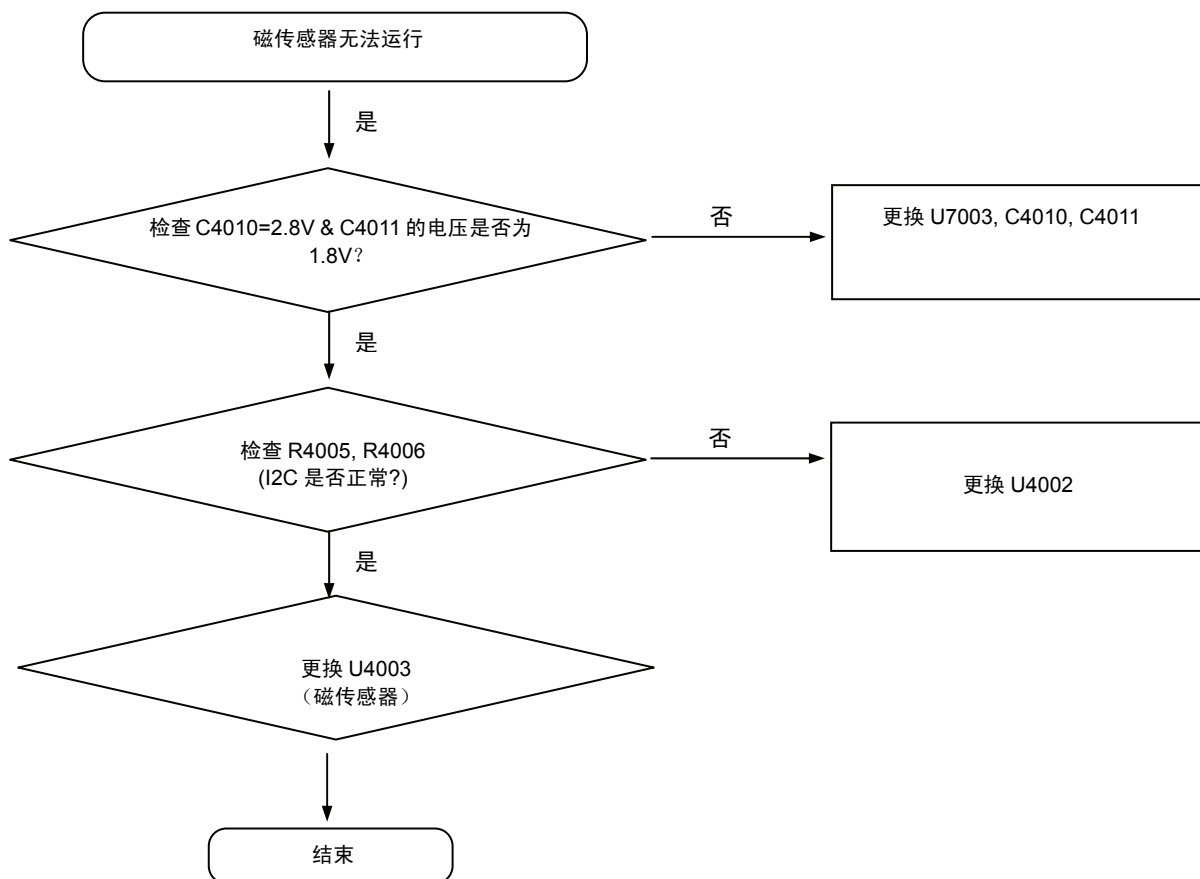


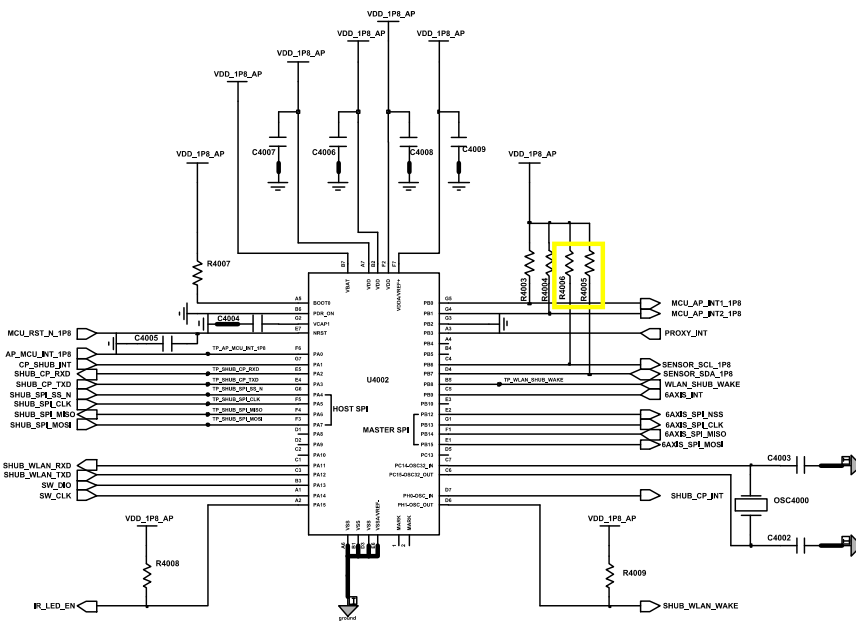
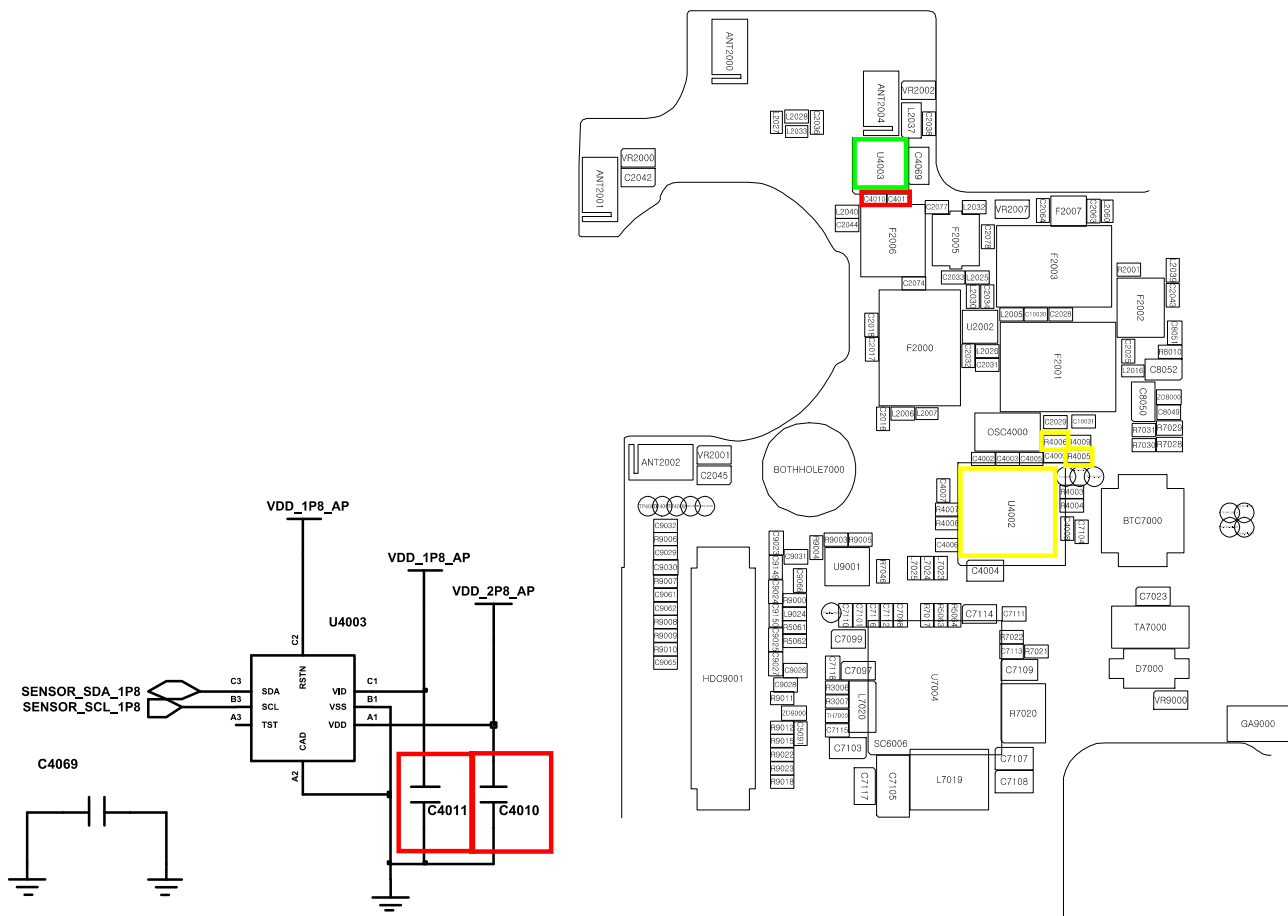
8-4-7-1. 传感器中枢



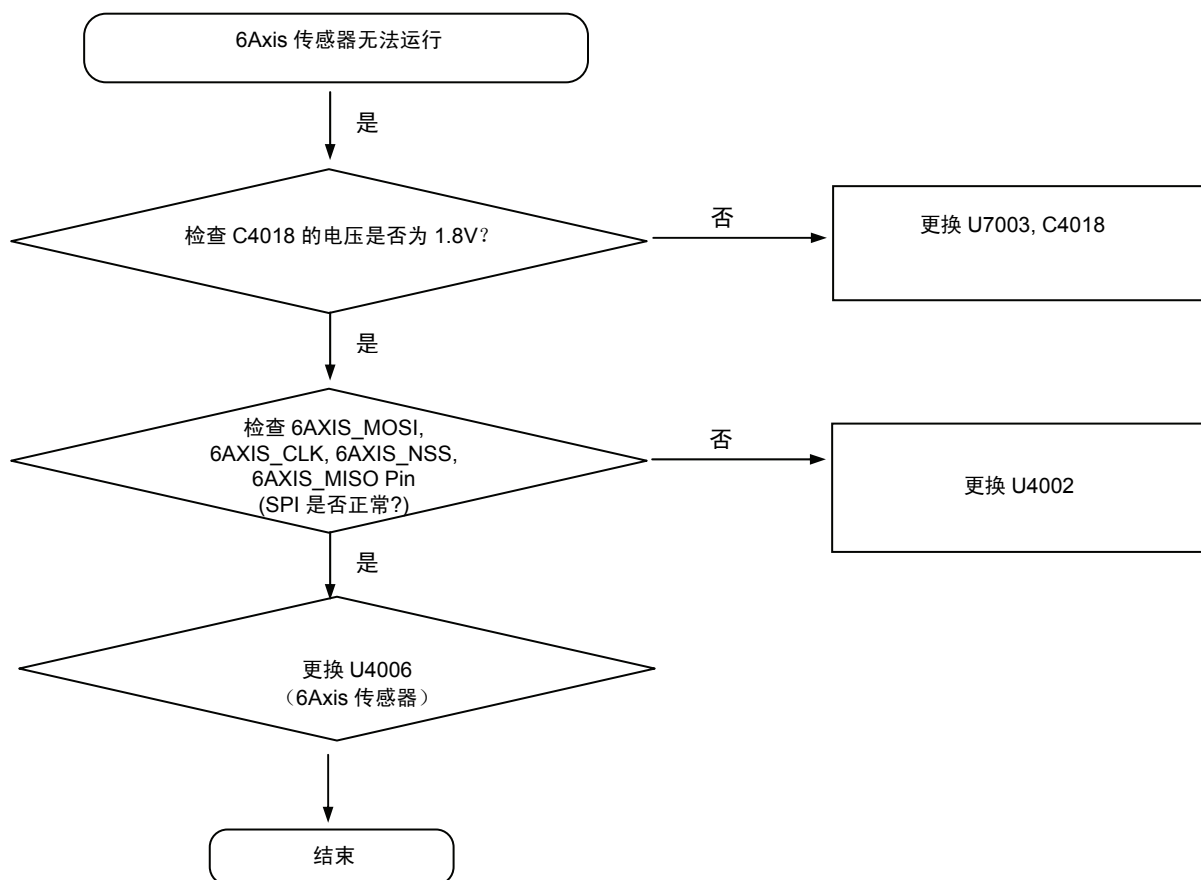


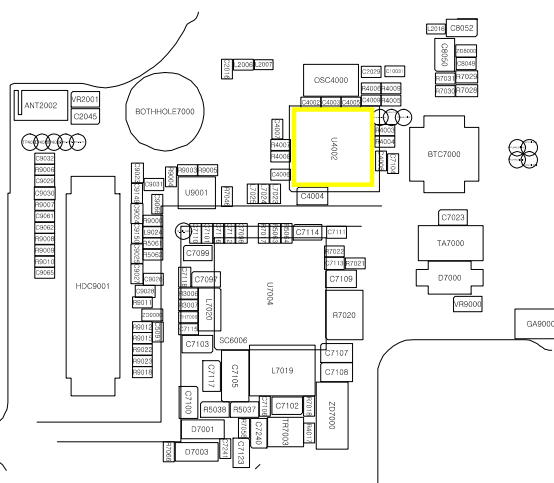
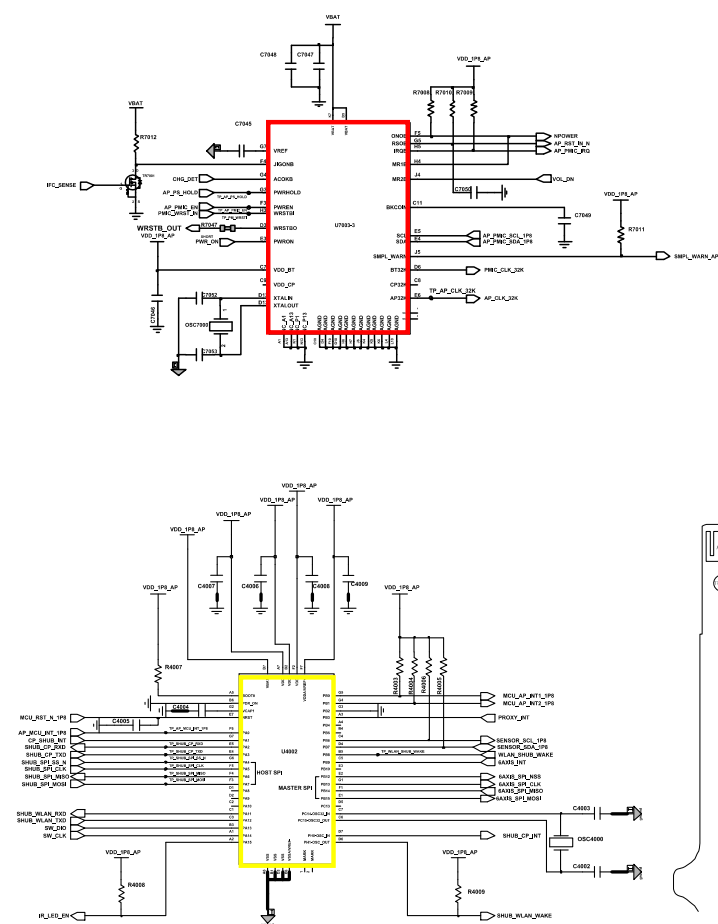
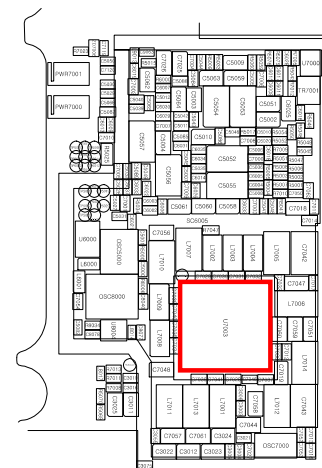
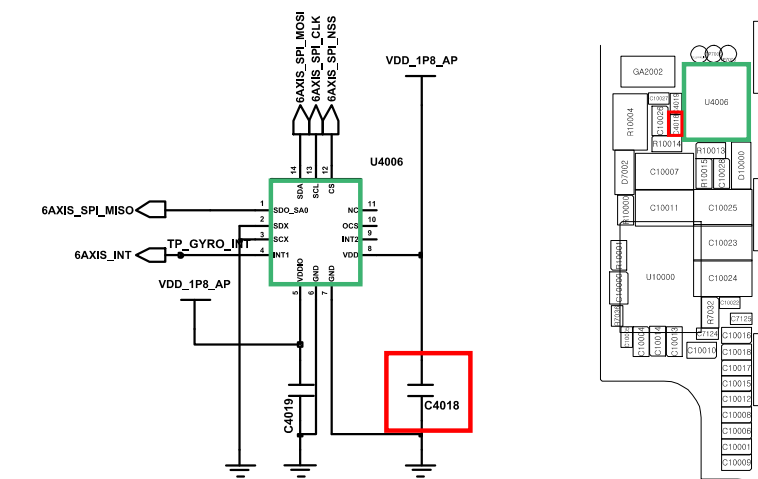
8-4-7-2. 磁传感器



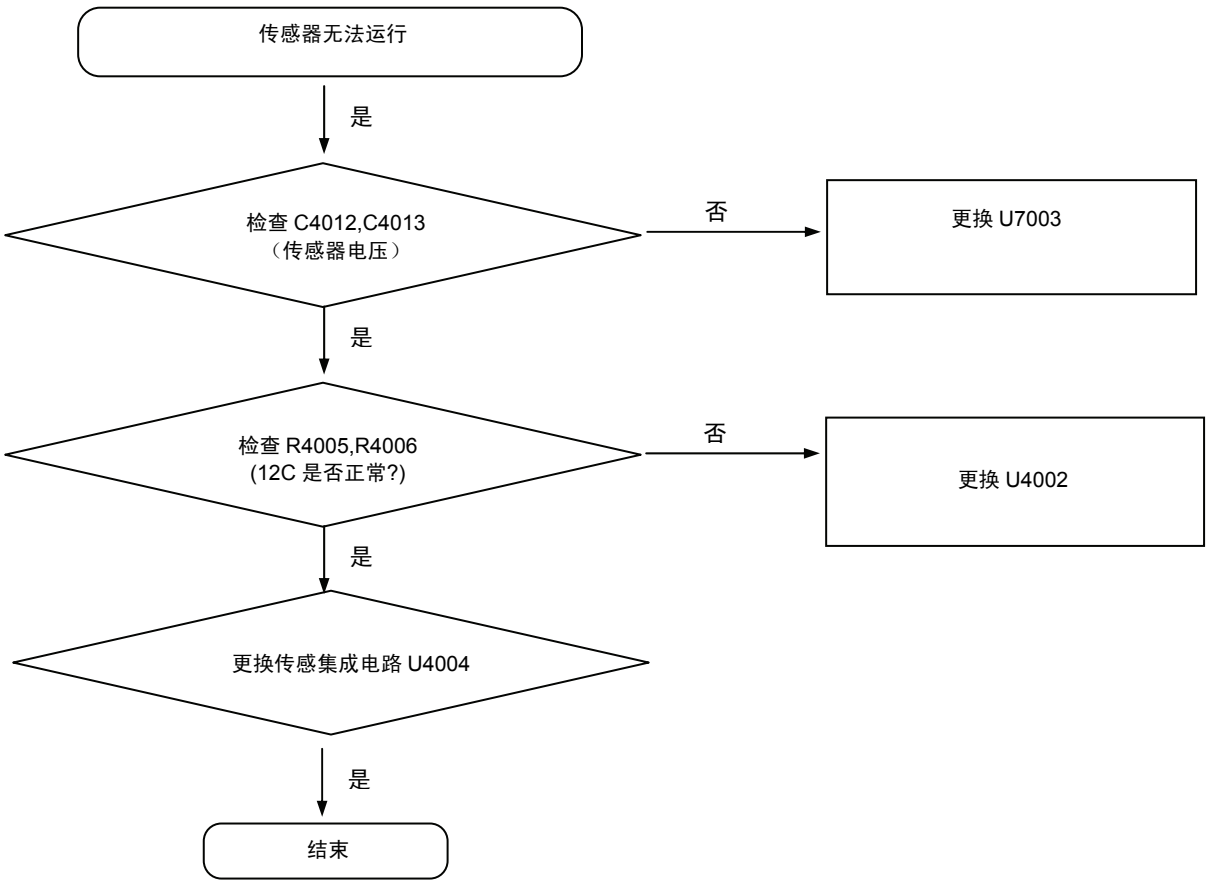


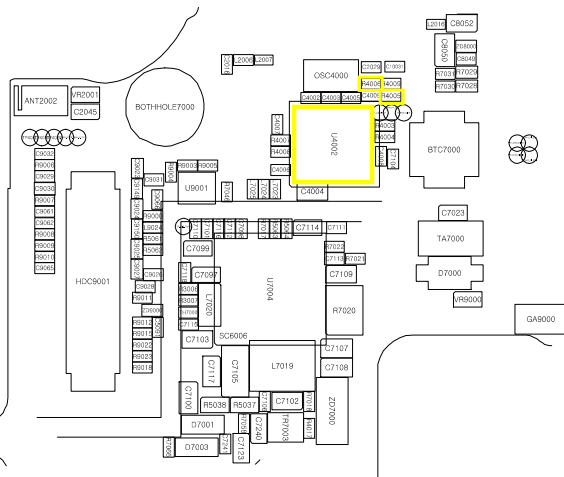
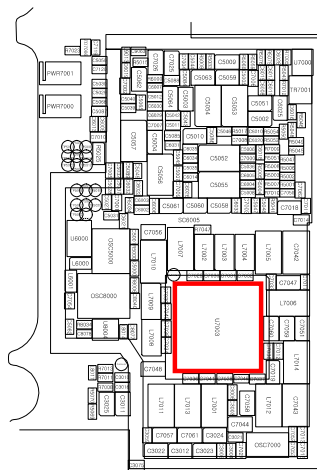
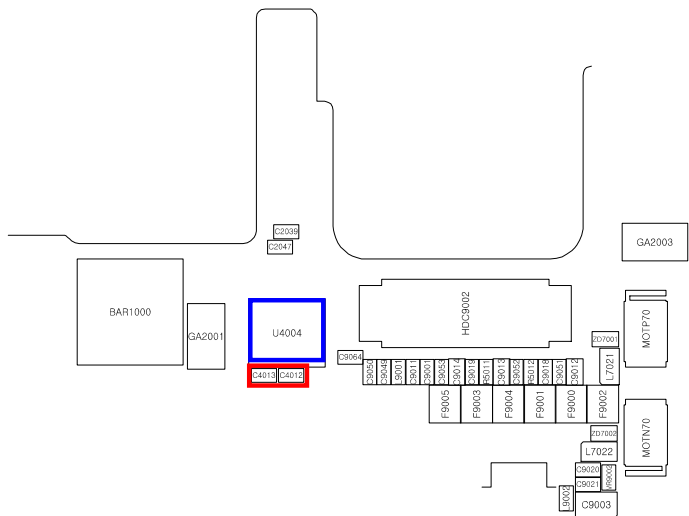
8-4-7-3. 6Axis 传感器



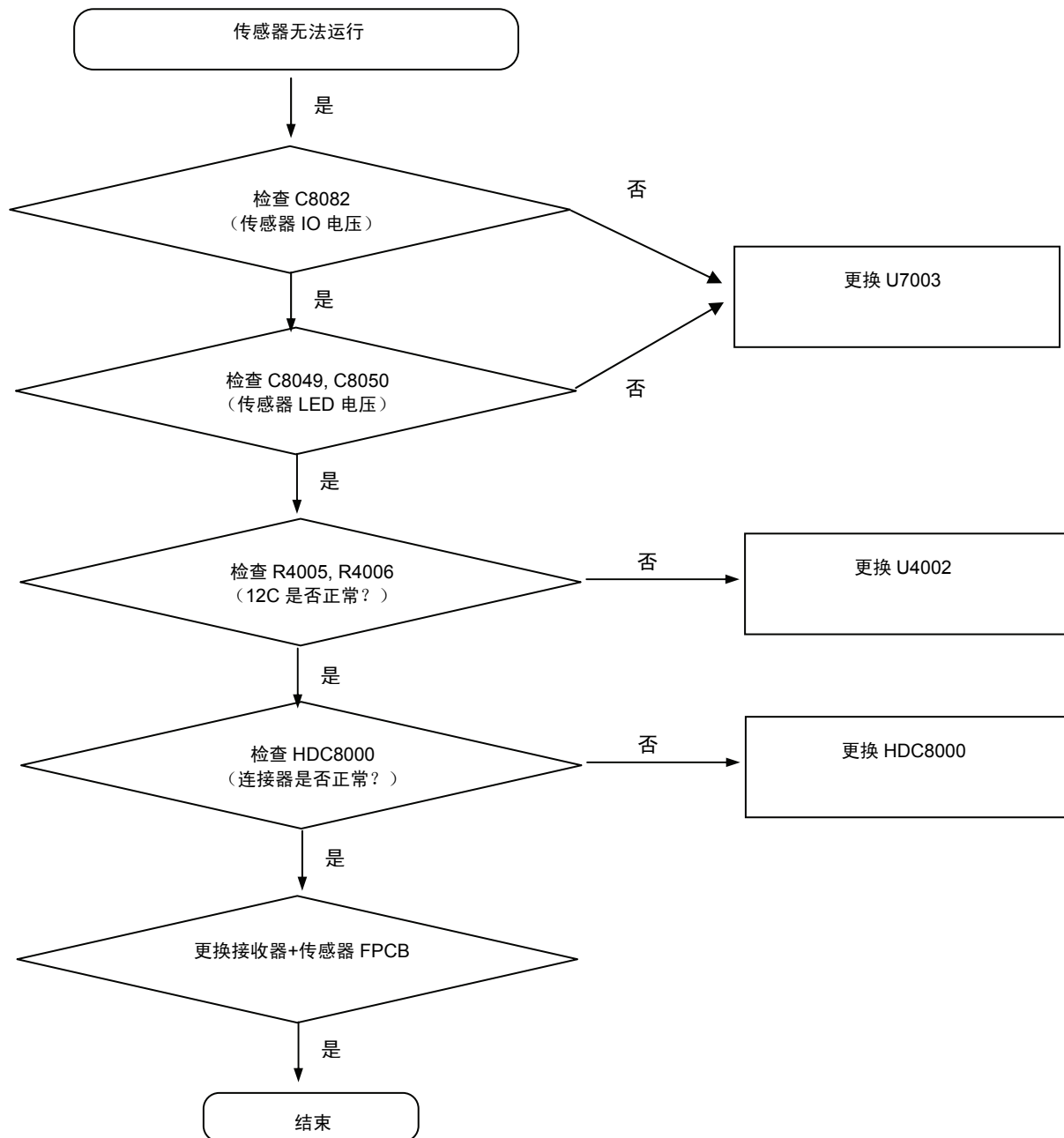


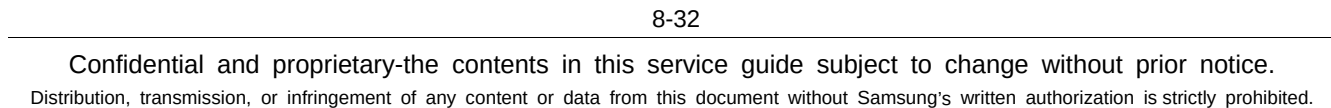
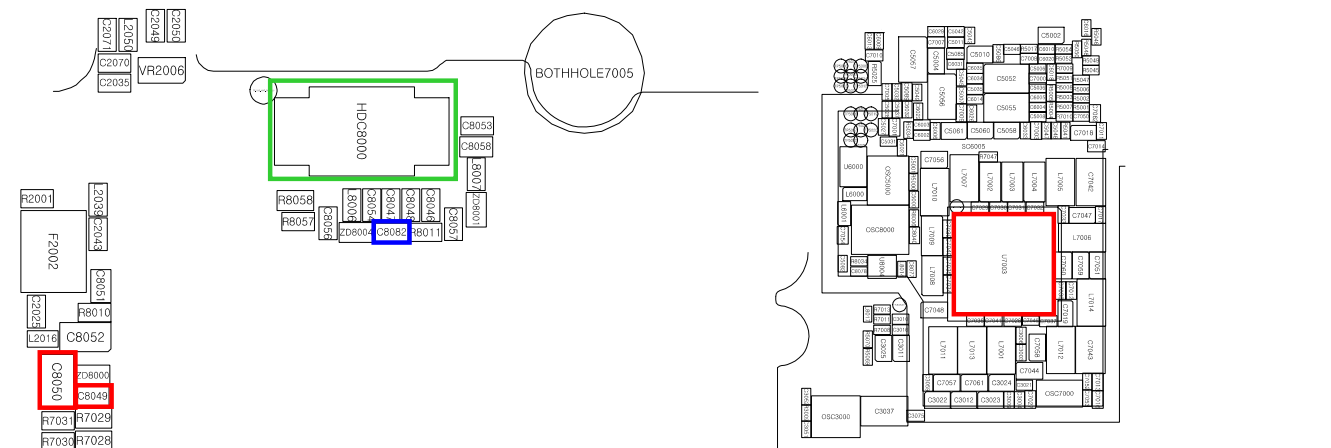
8-4-7-4. 气压计传感器



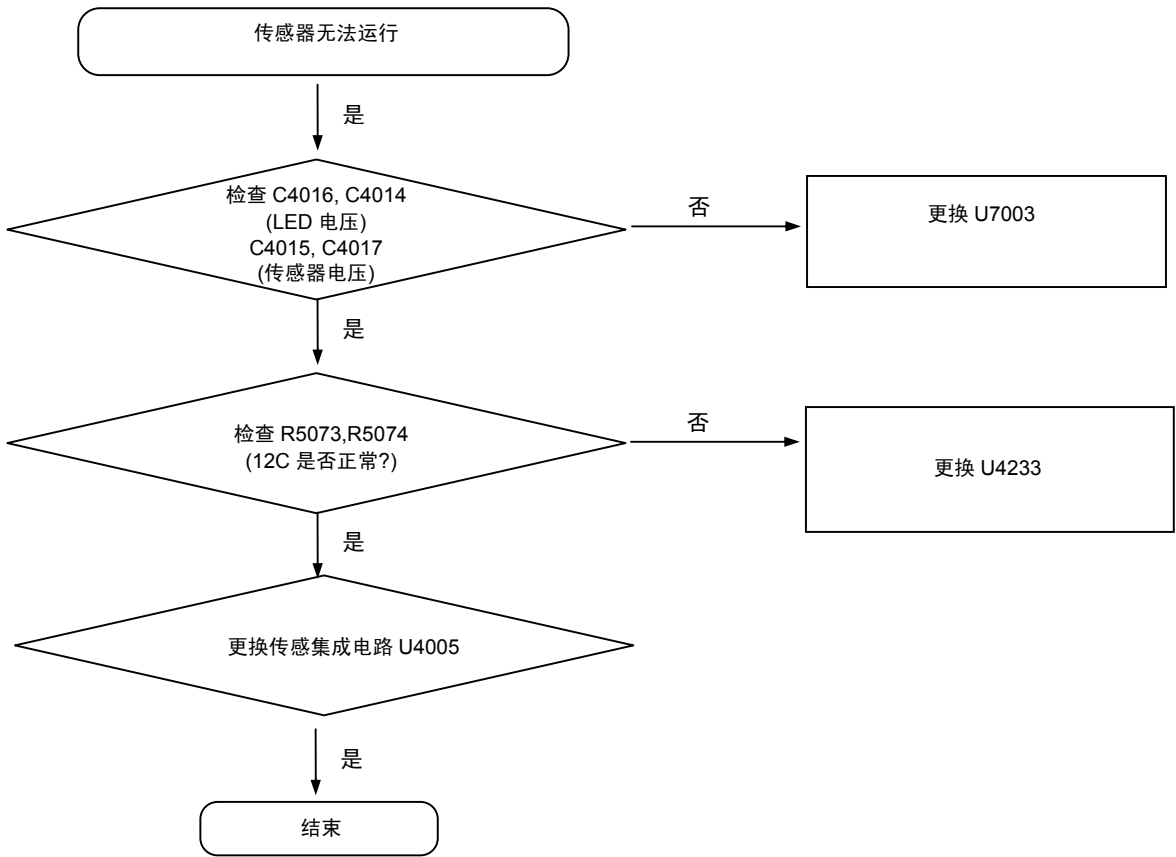


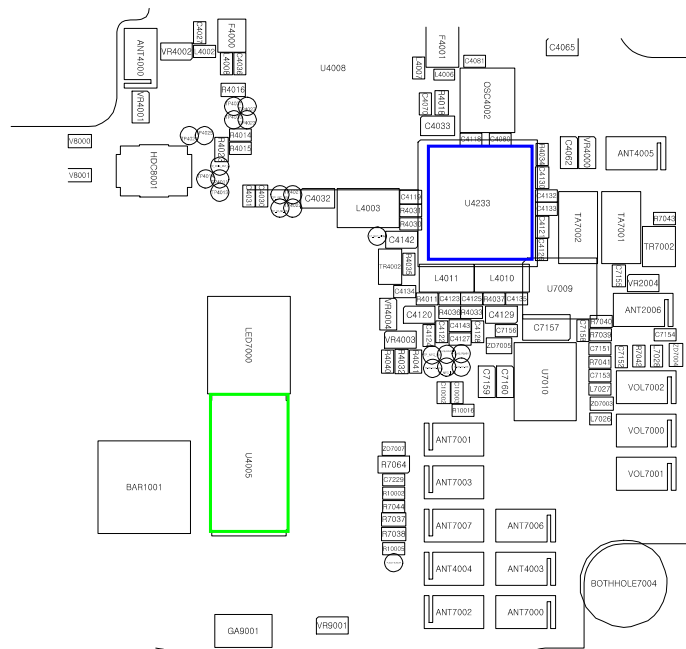
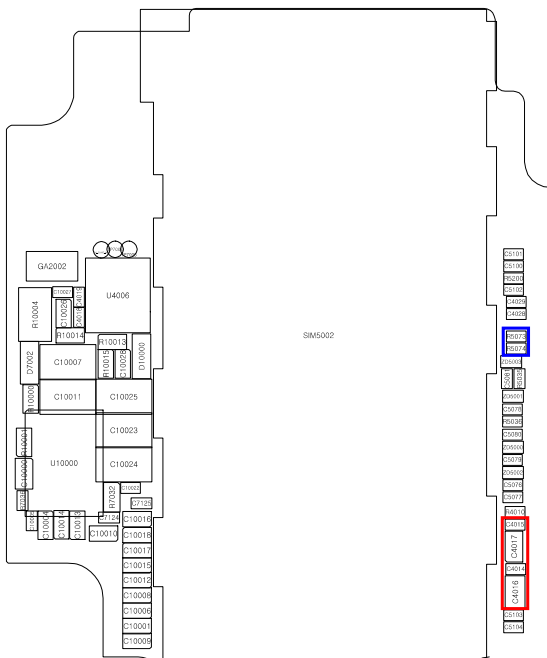
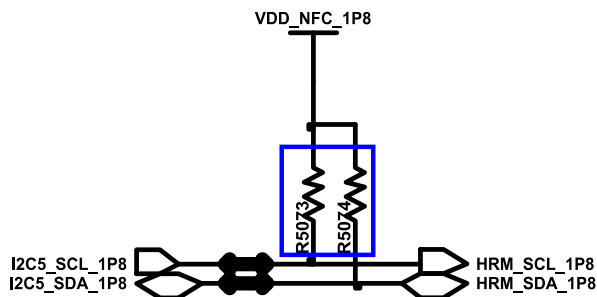
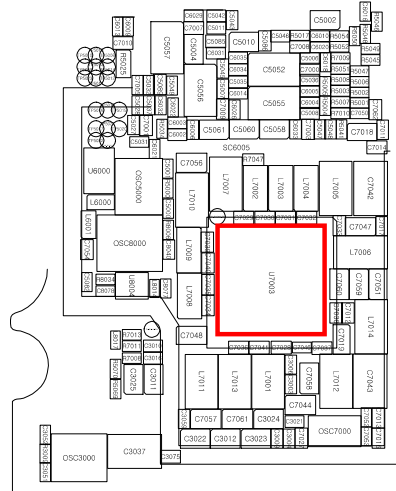
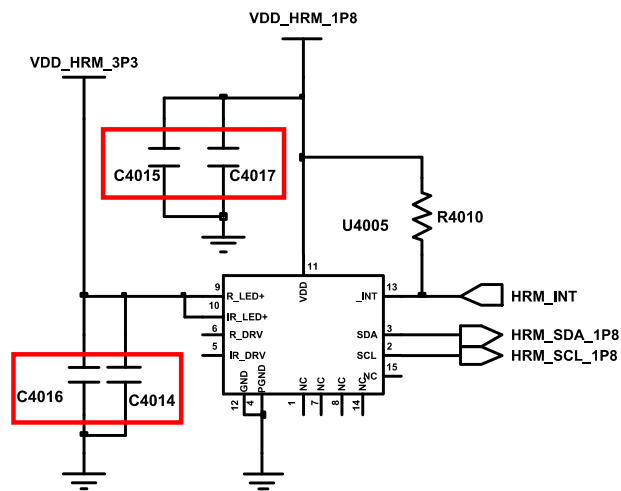
3-4-7-5. 近距离&RGB 传感器



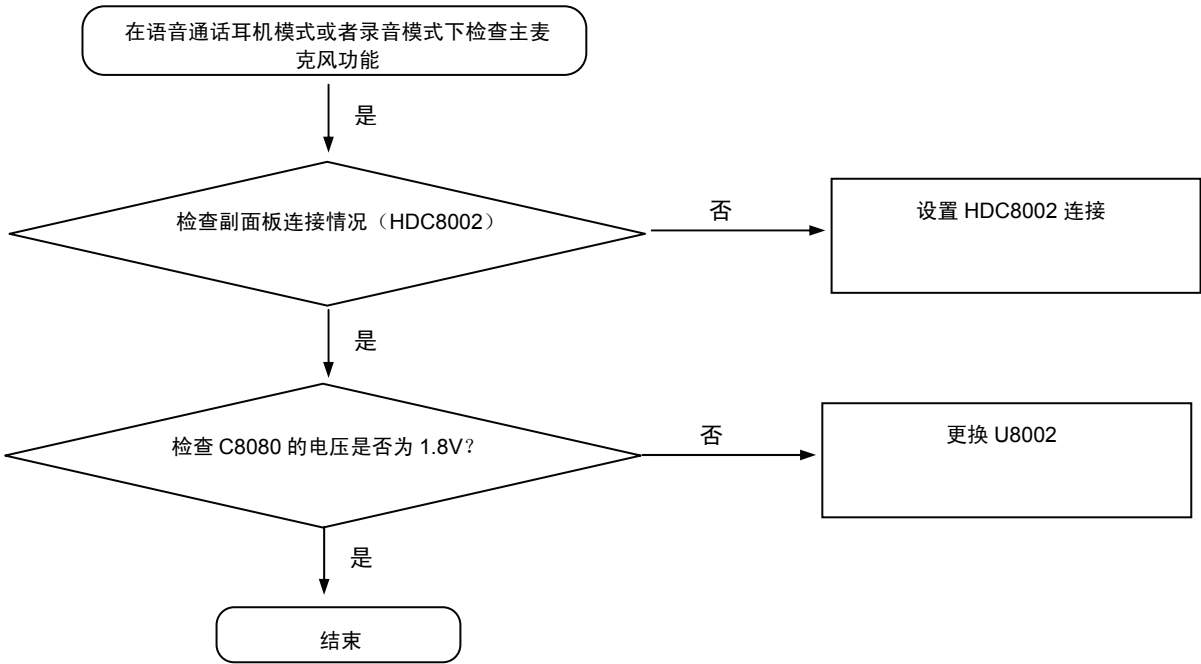


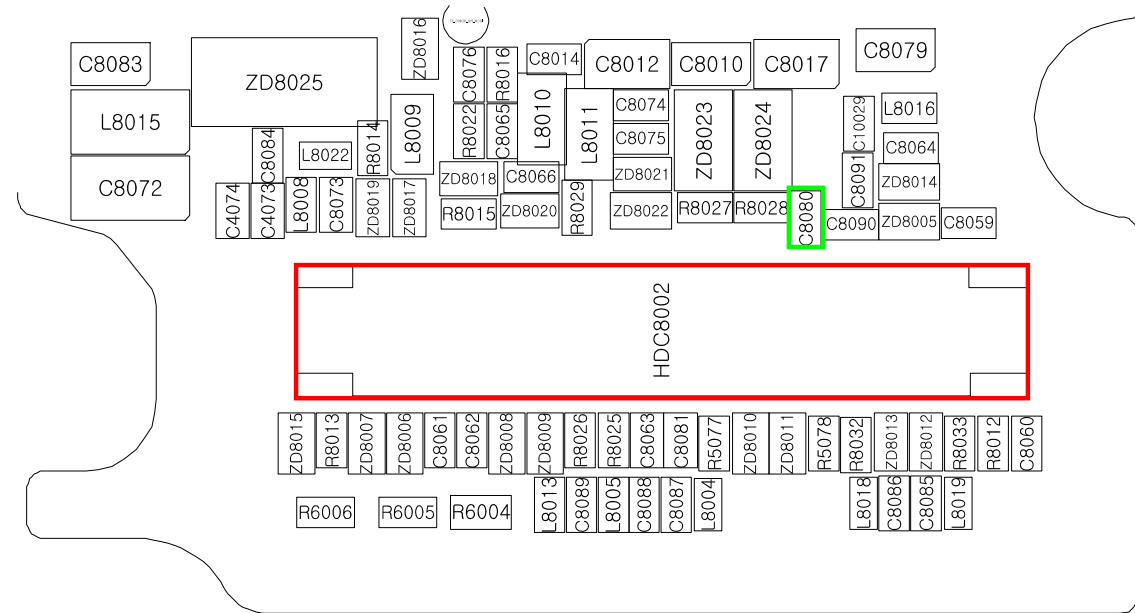
3-4-7-6. 心率传感器



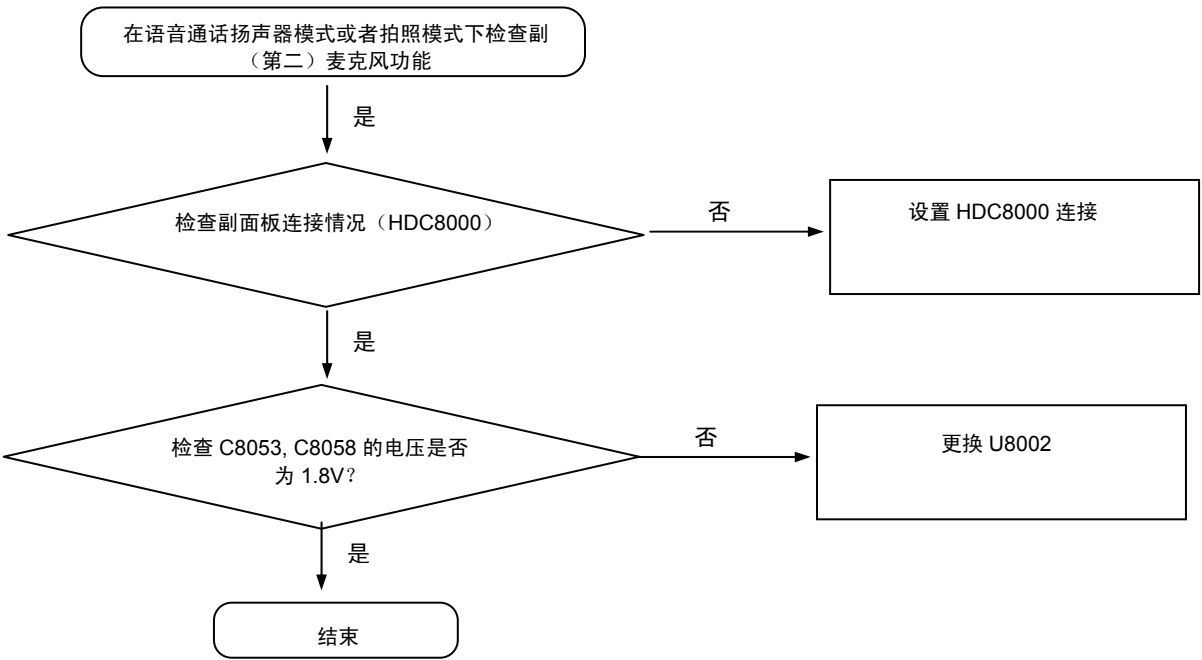


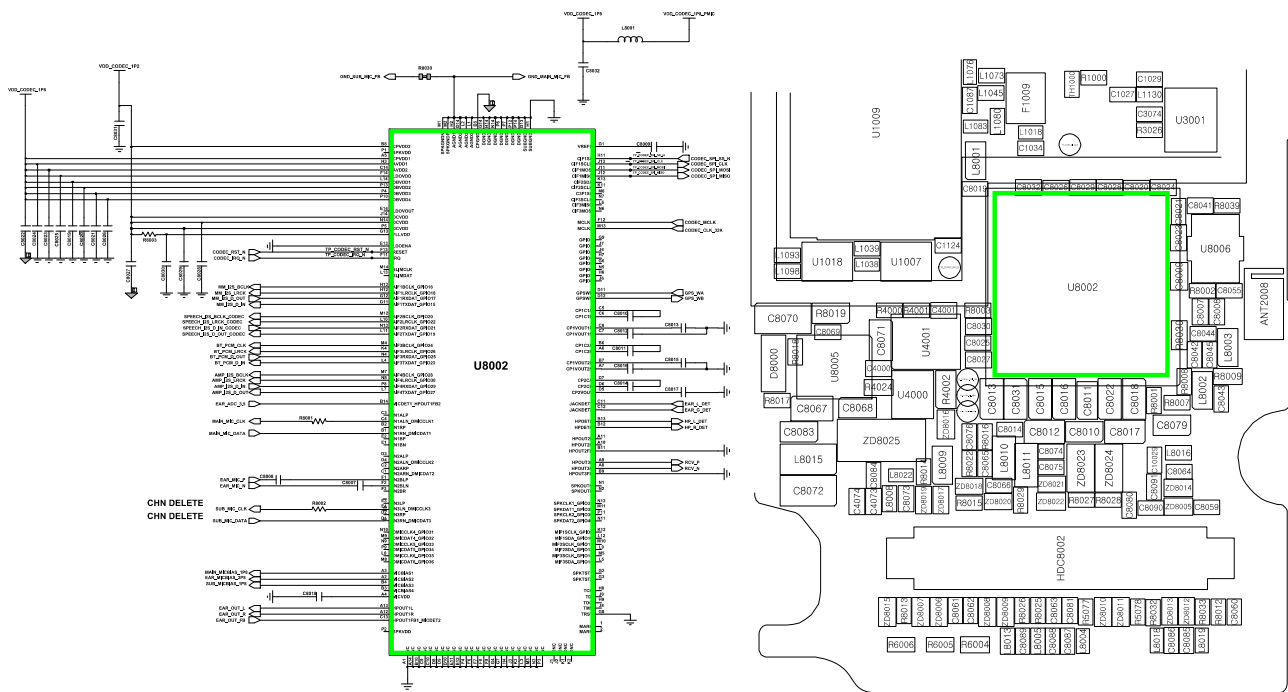
3-4-8-1. 麦克风部分-主麦克风



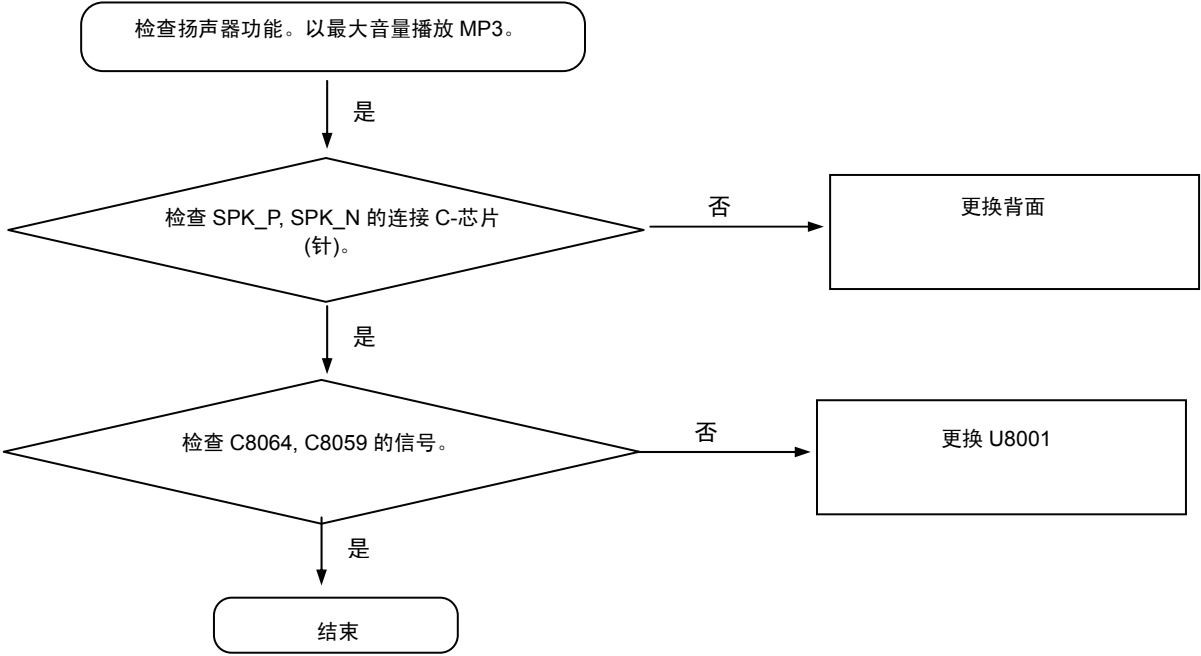


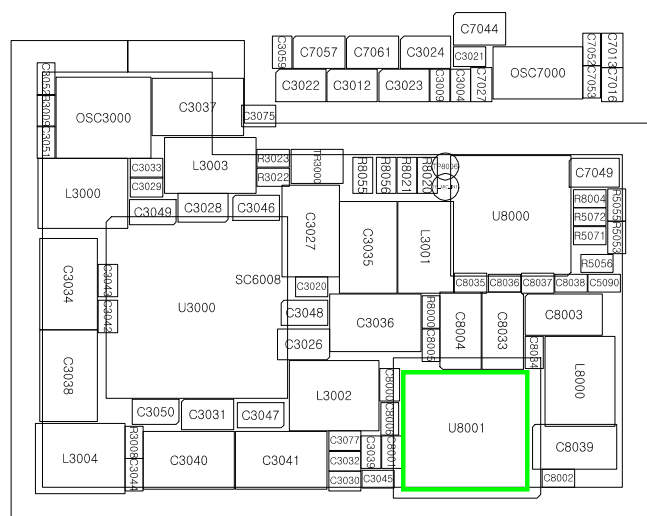
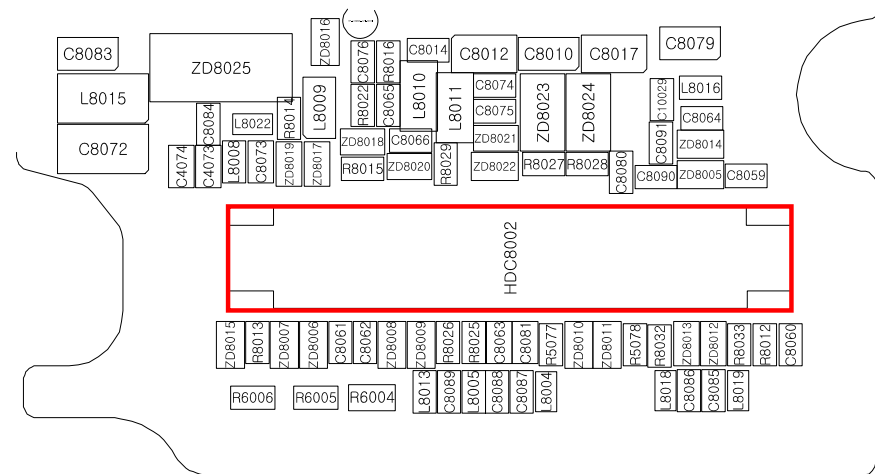
3-4-8-2. 麦克风部分-副（第二）麦克风





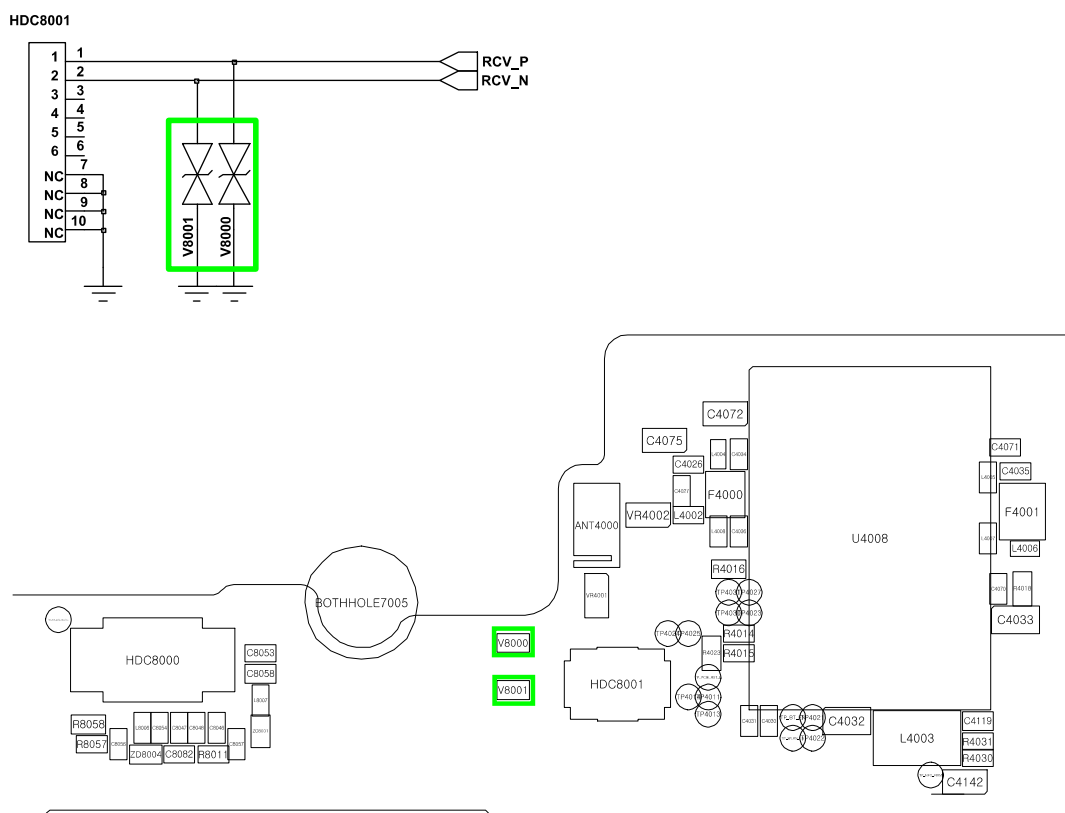
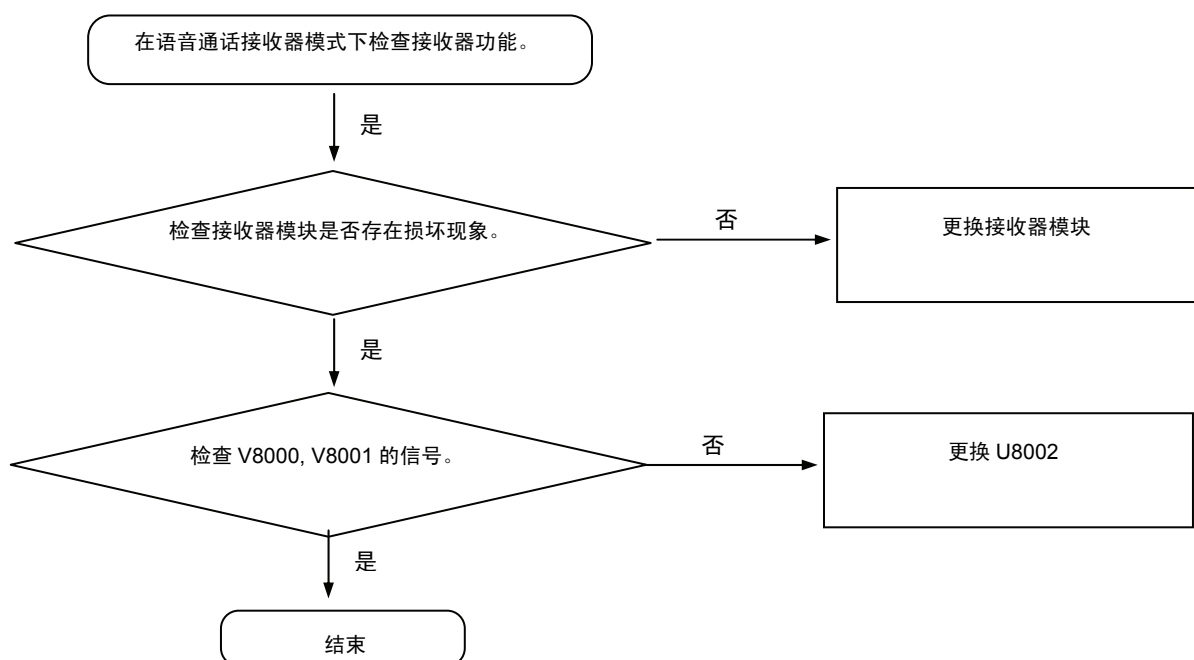
3-4-9. 扬声器部分

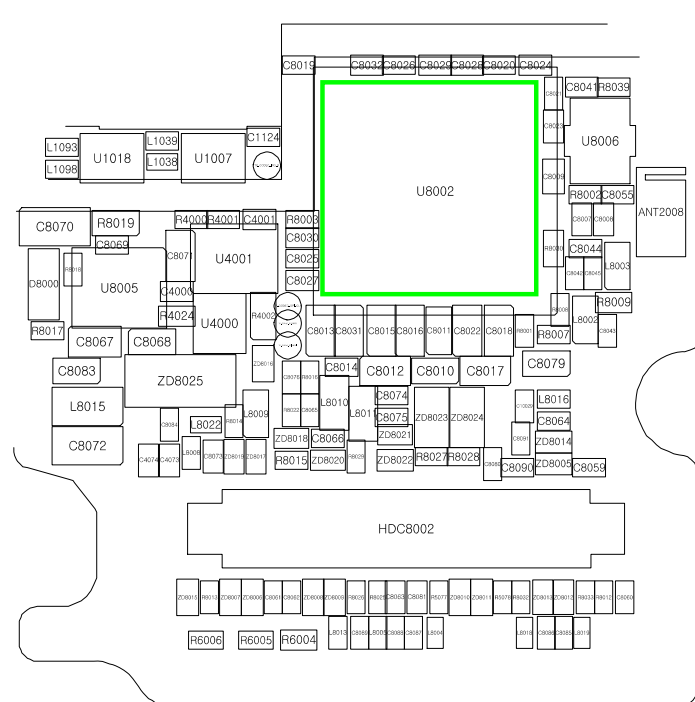




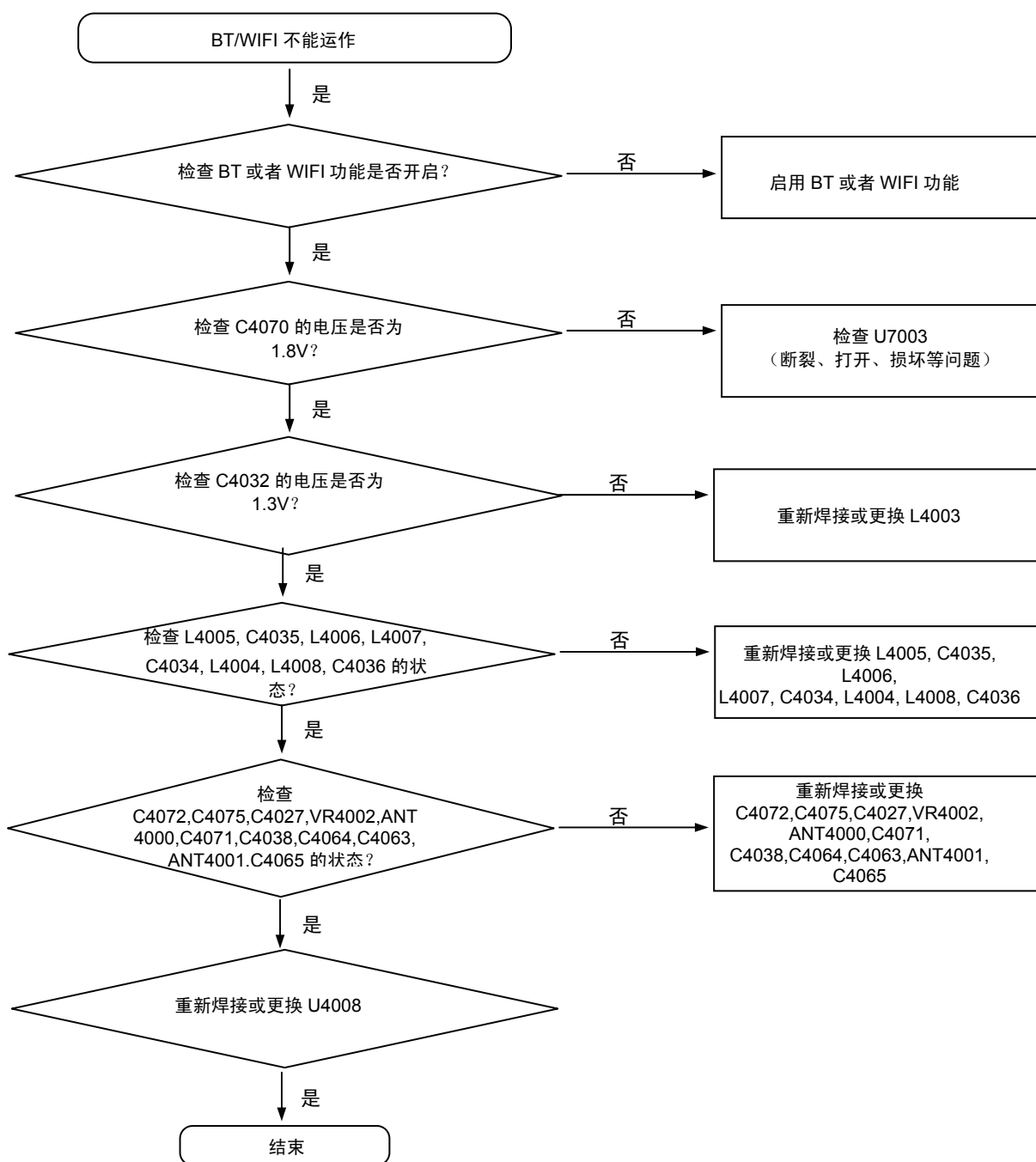
3-4-10. 接收器部分

预检测：在键盘上输入'*#0*#'并检查接收器运行状况。



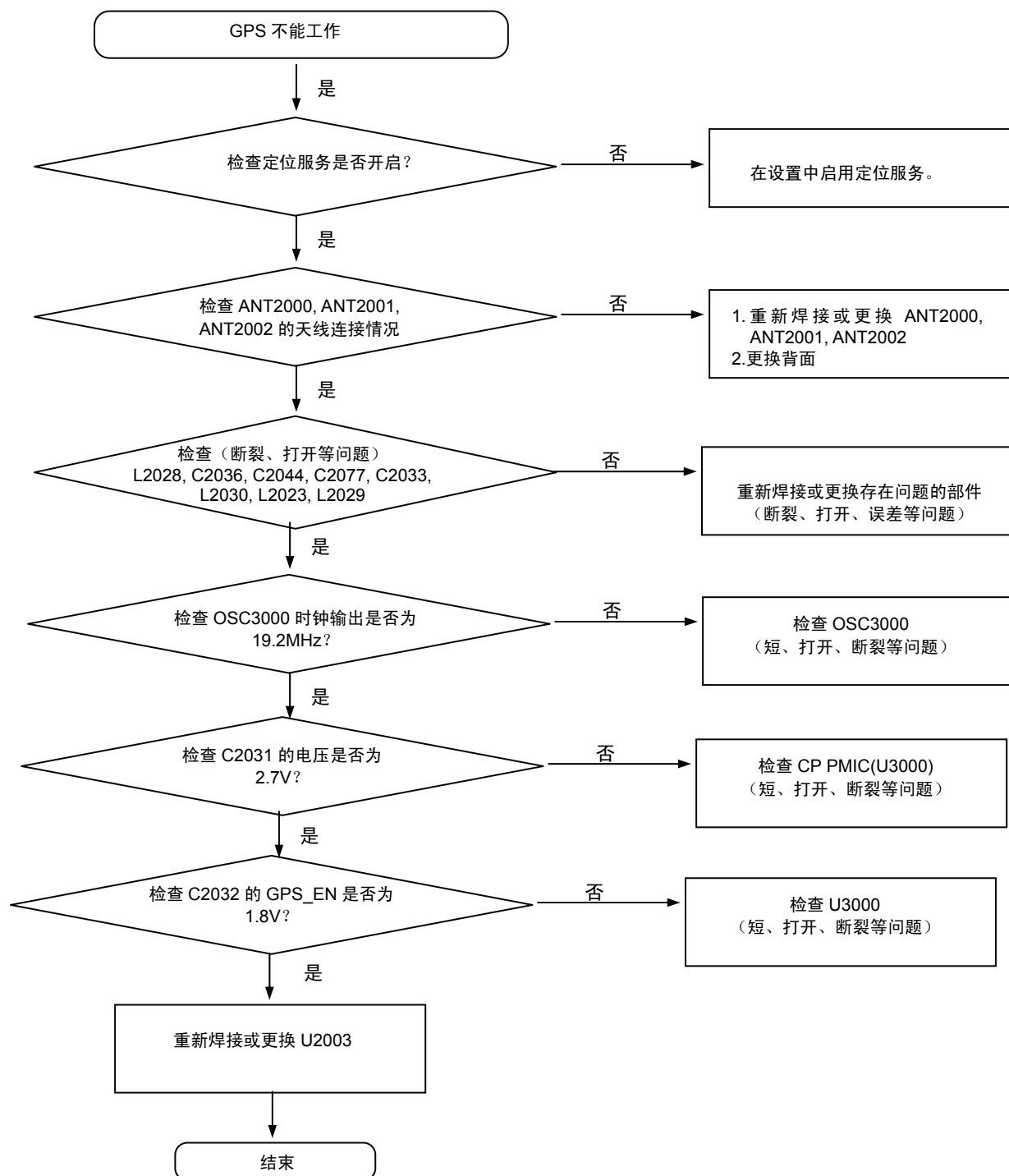


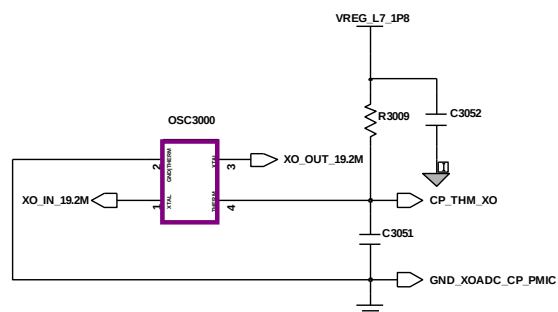
3-4-11. BT/WIFI



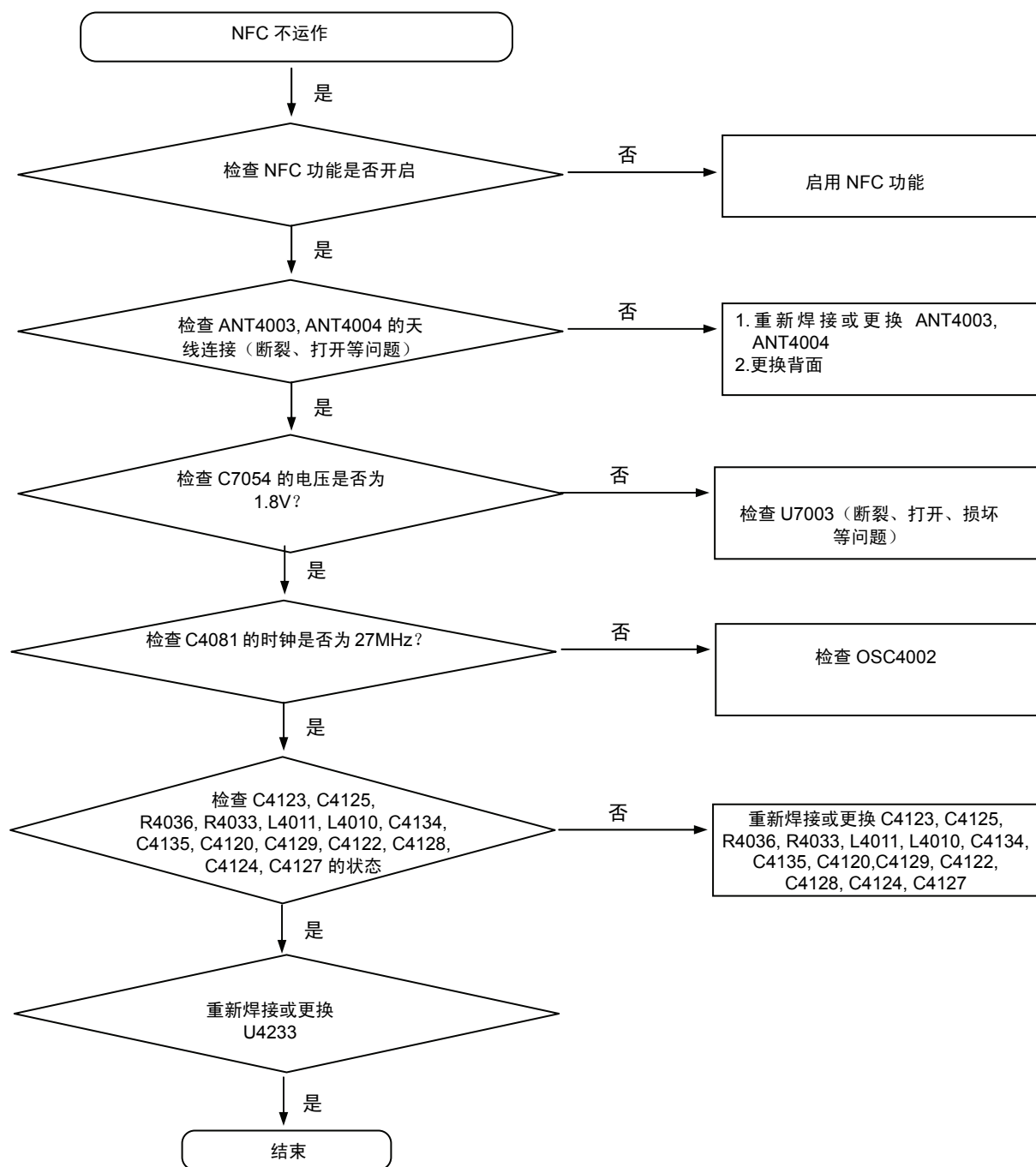


3-4-12. GPS

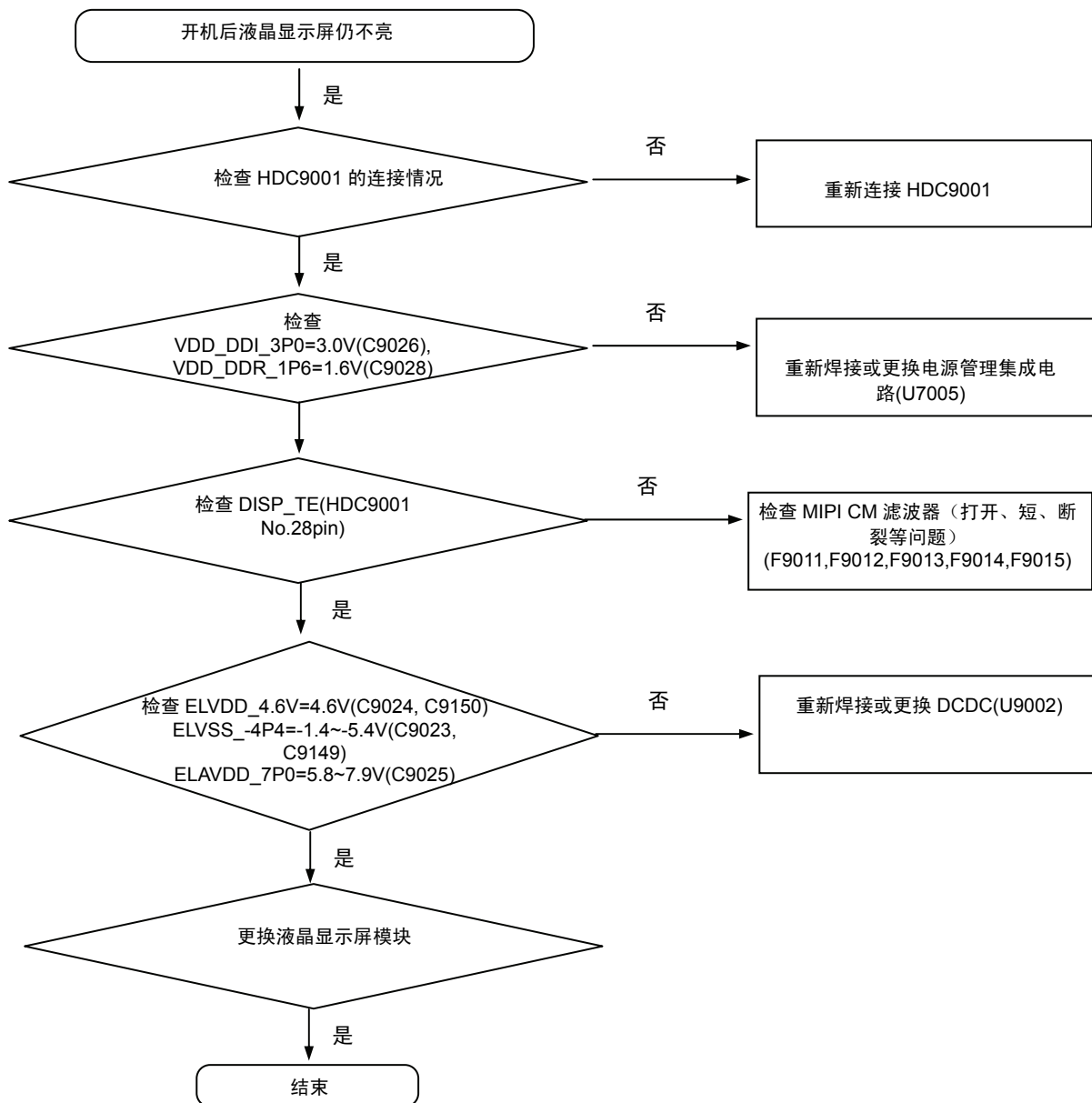




3-4-13. NFC

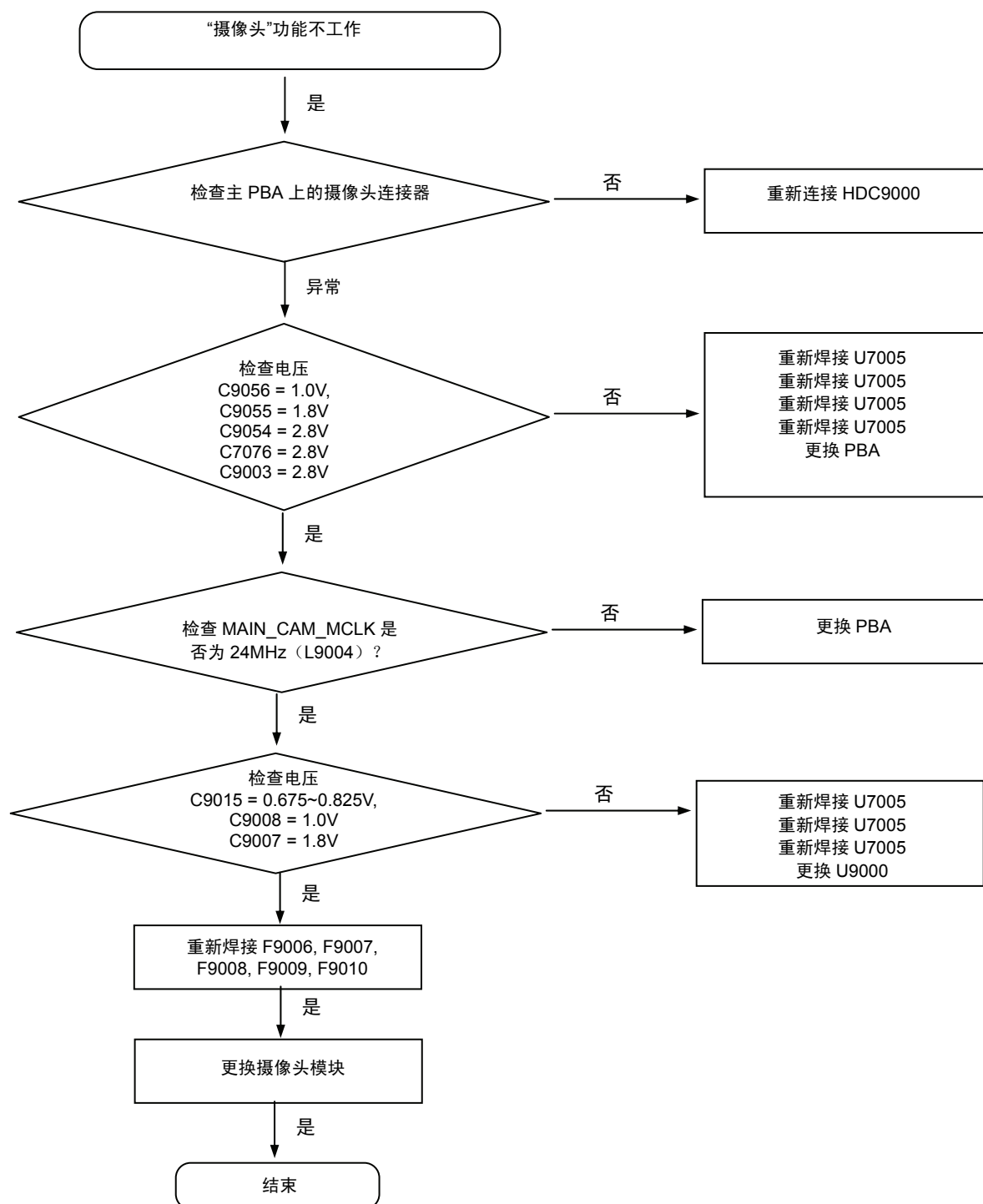


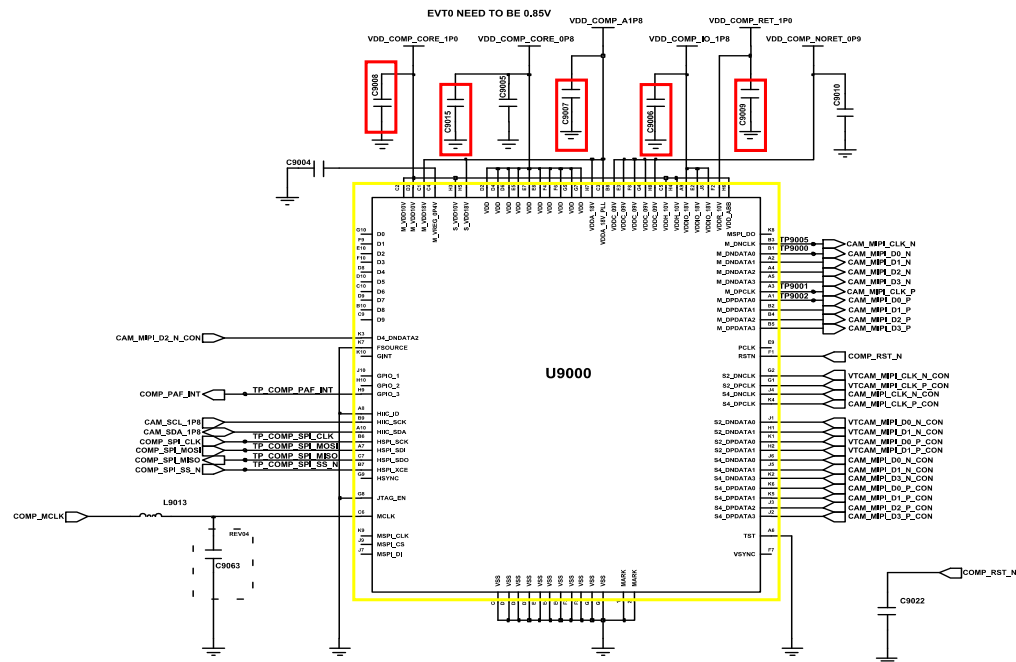
3-4-14. 显示屏

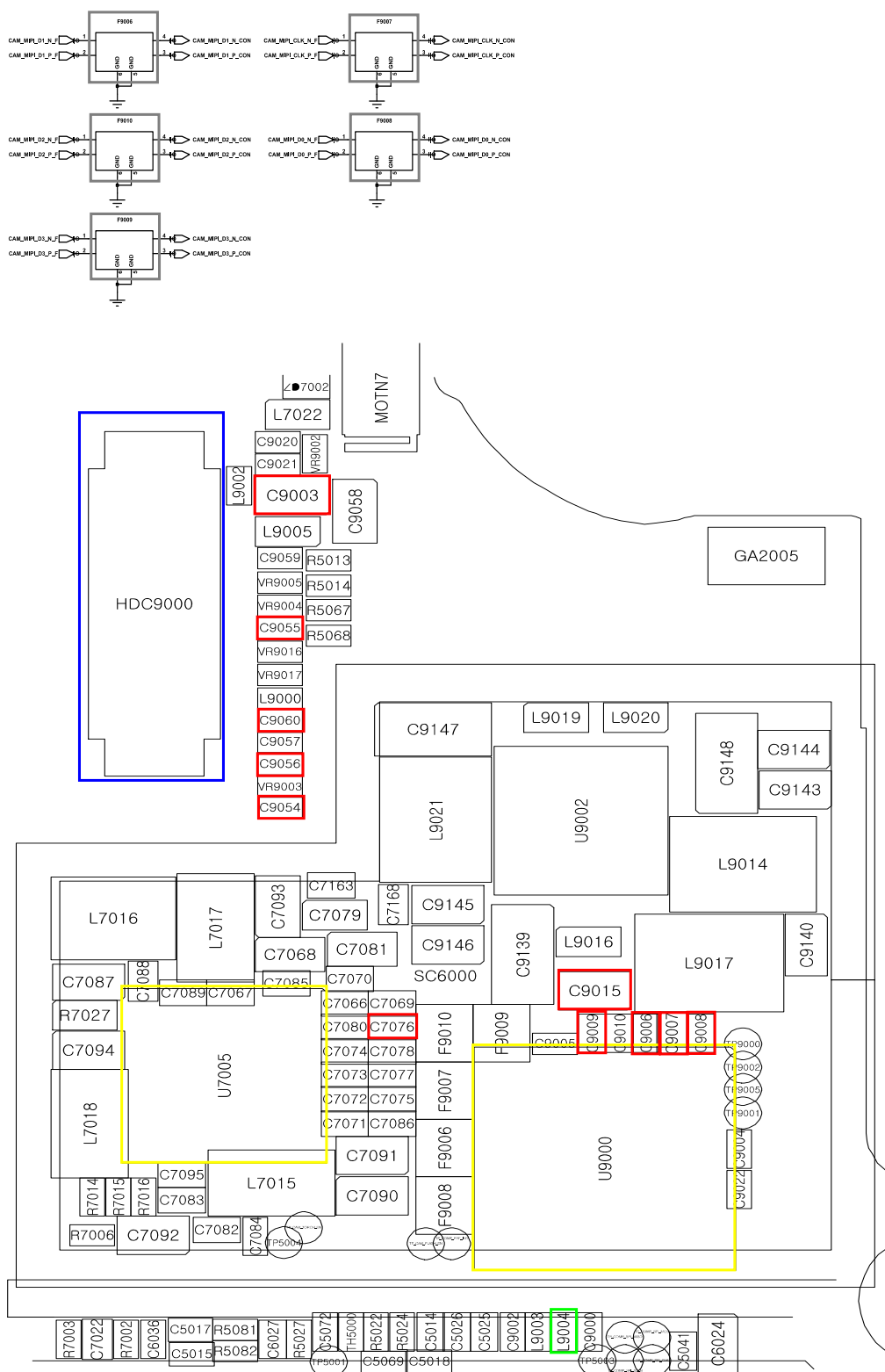




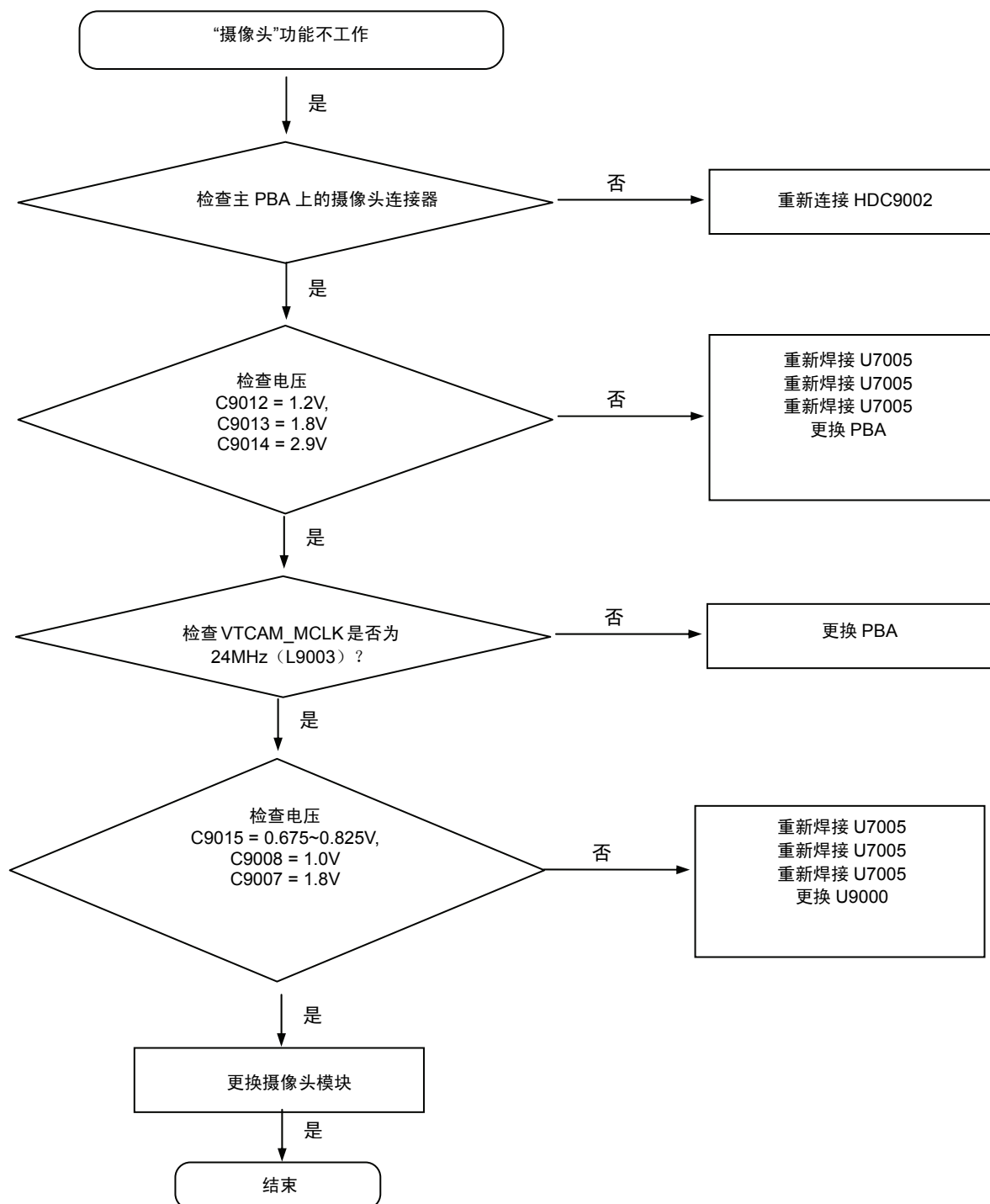
8-4-15. 16M 摄像头

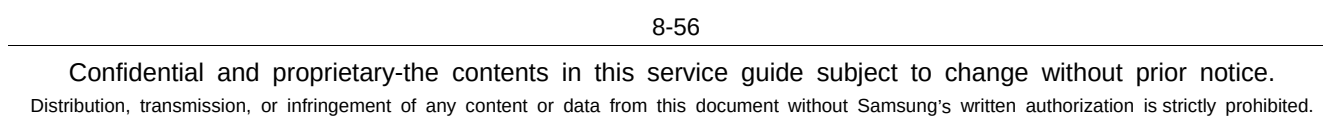




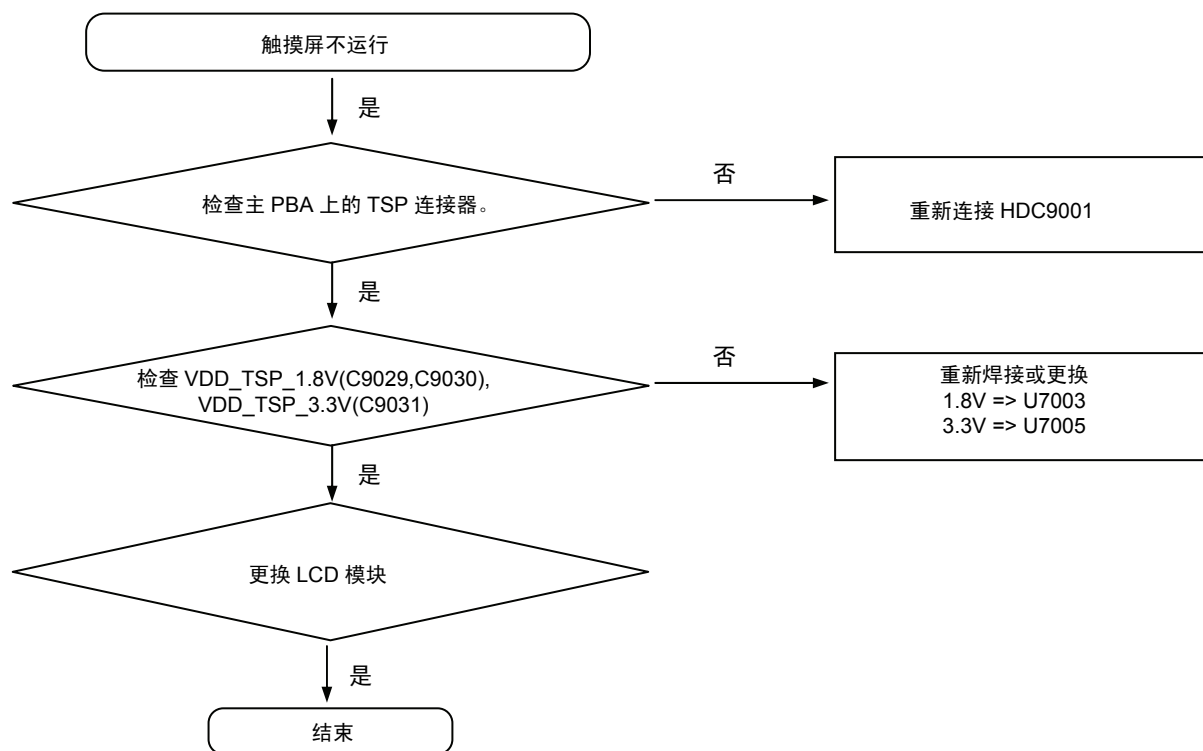


8-4-16. 5M 摄像头

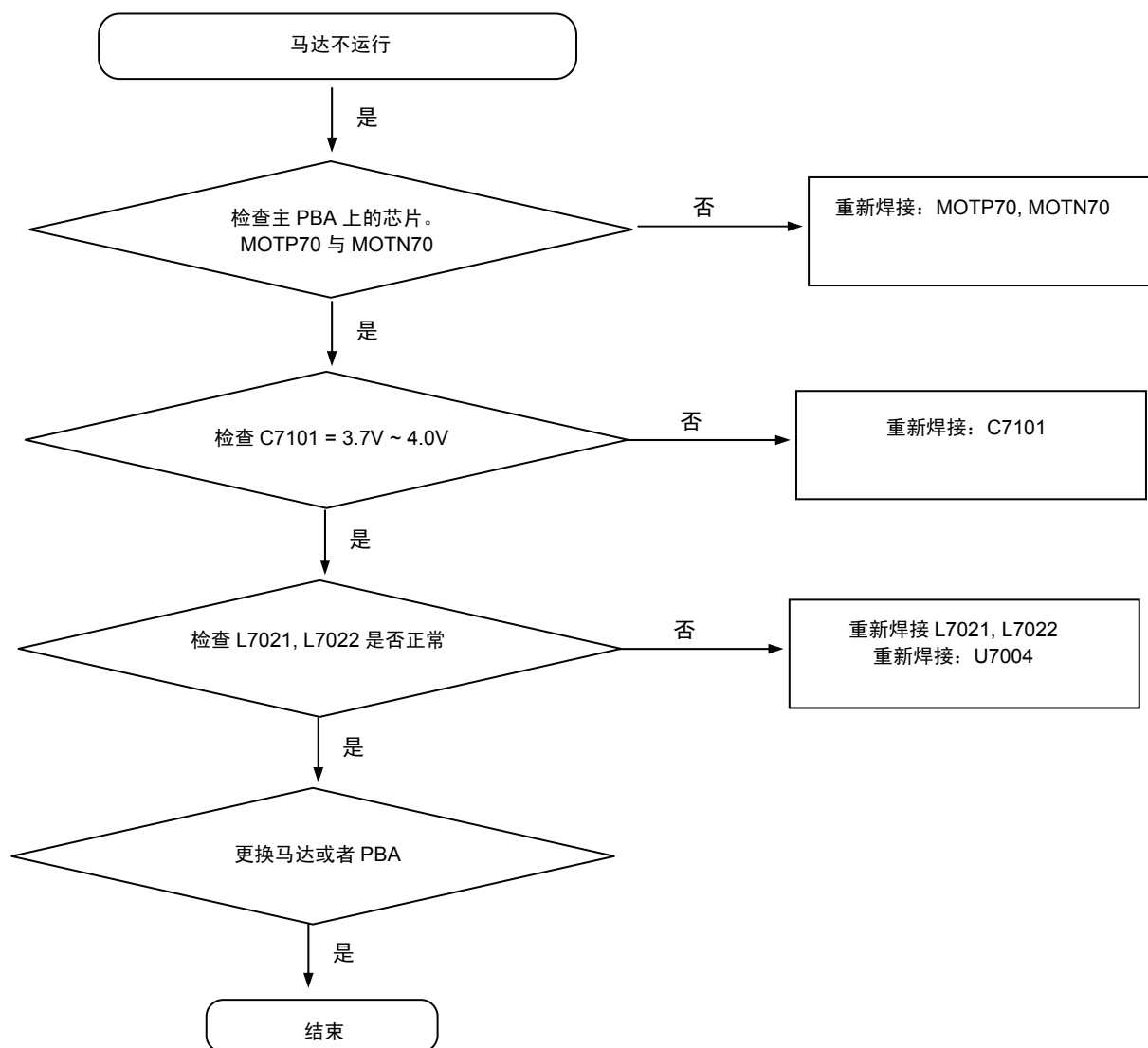


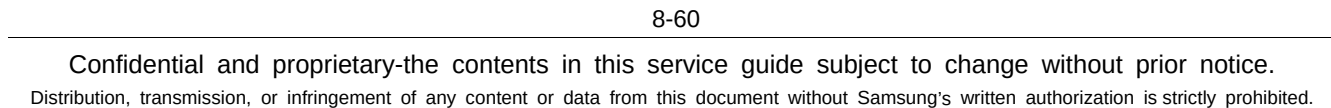


8-4-17. TSP

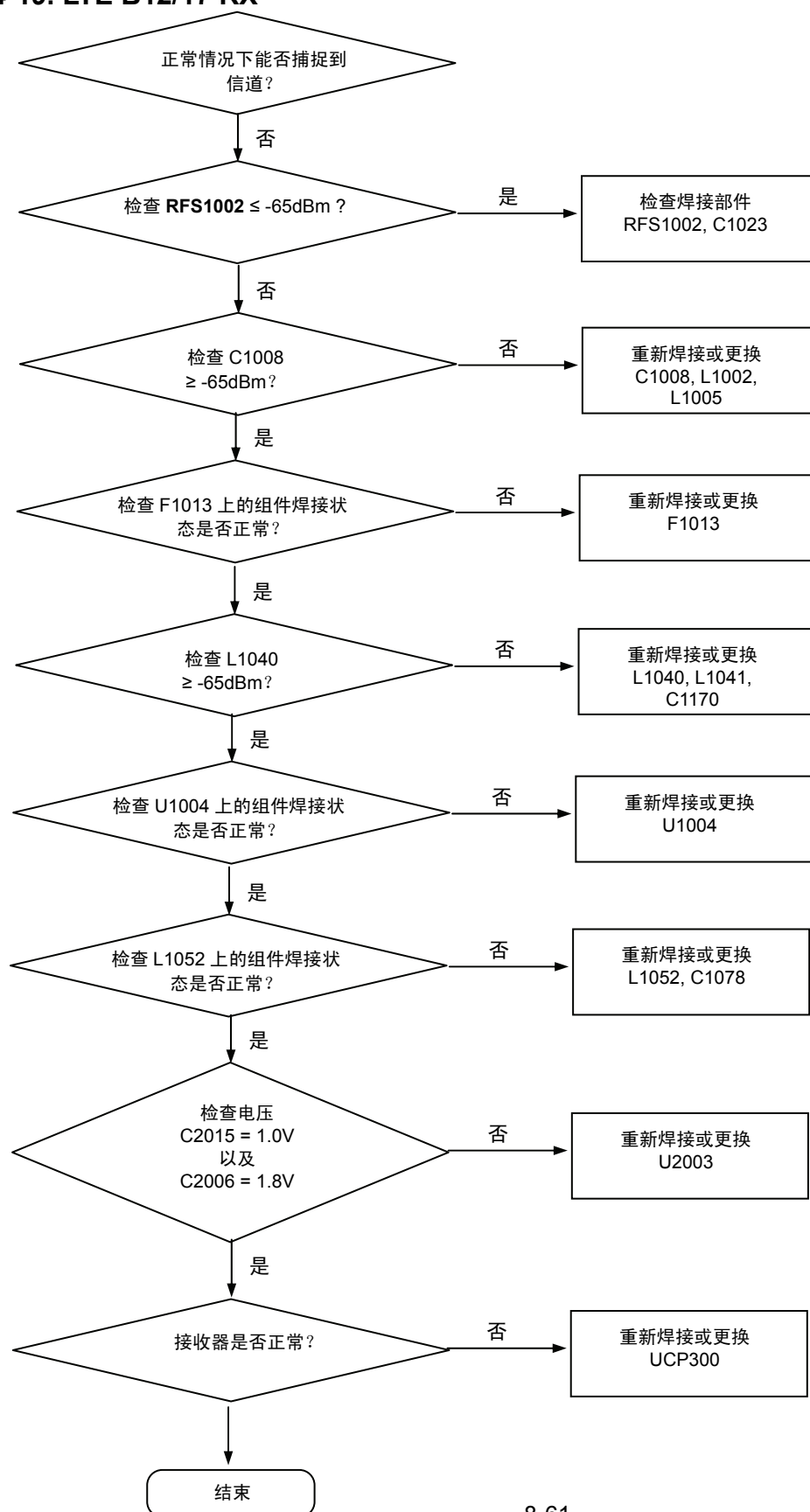


8-4-18. 马达

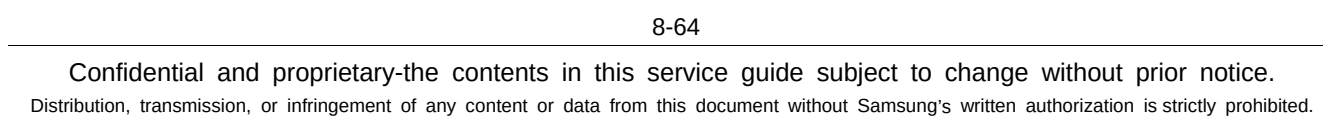




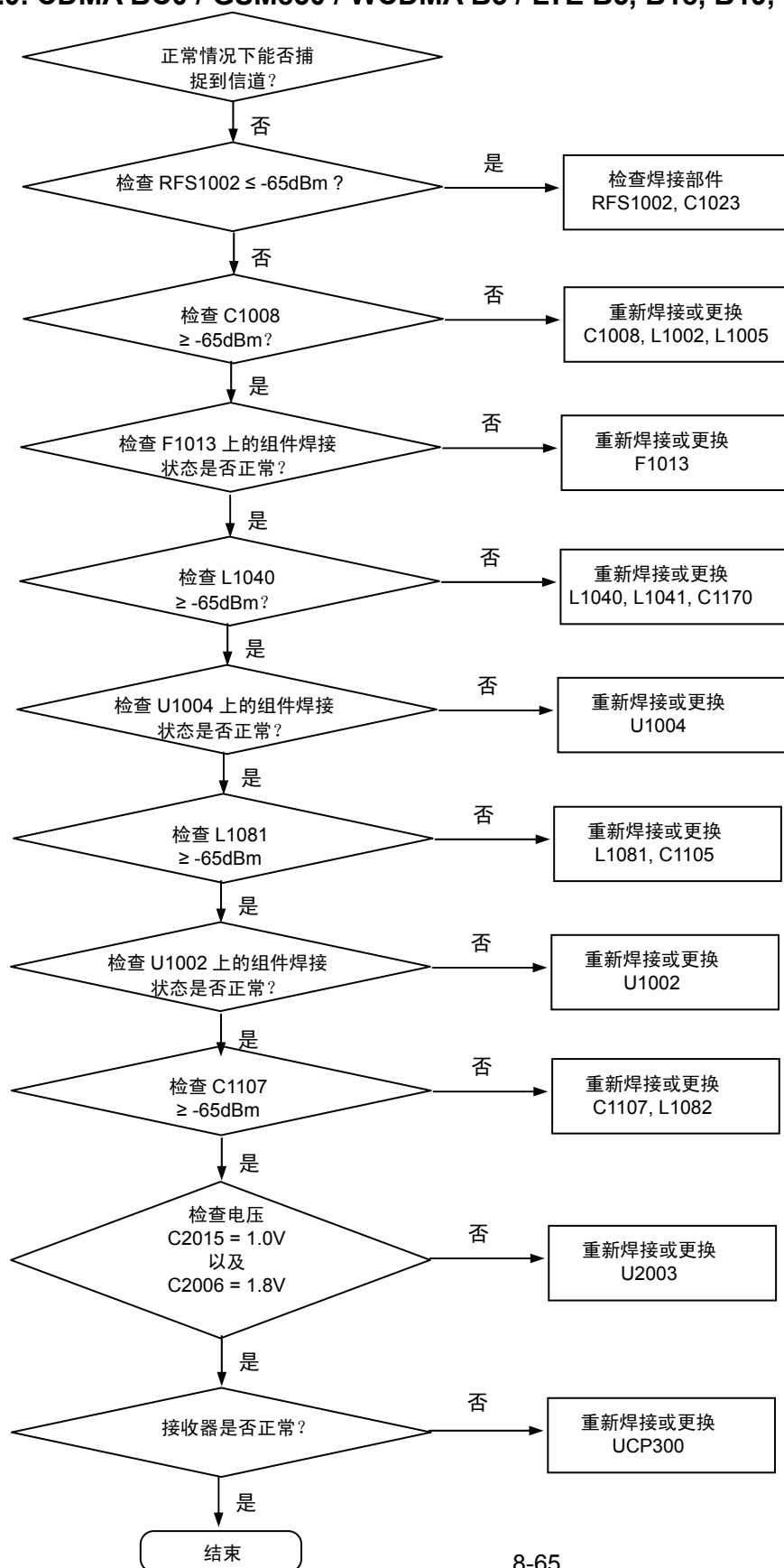
3-4-19. LTE B12/17 RX

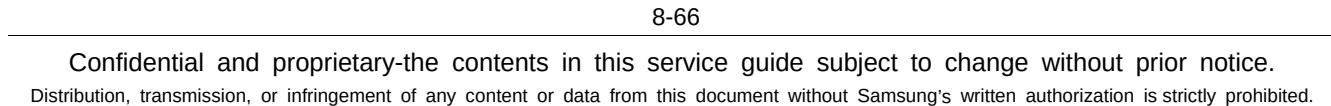


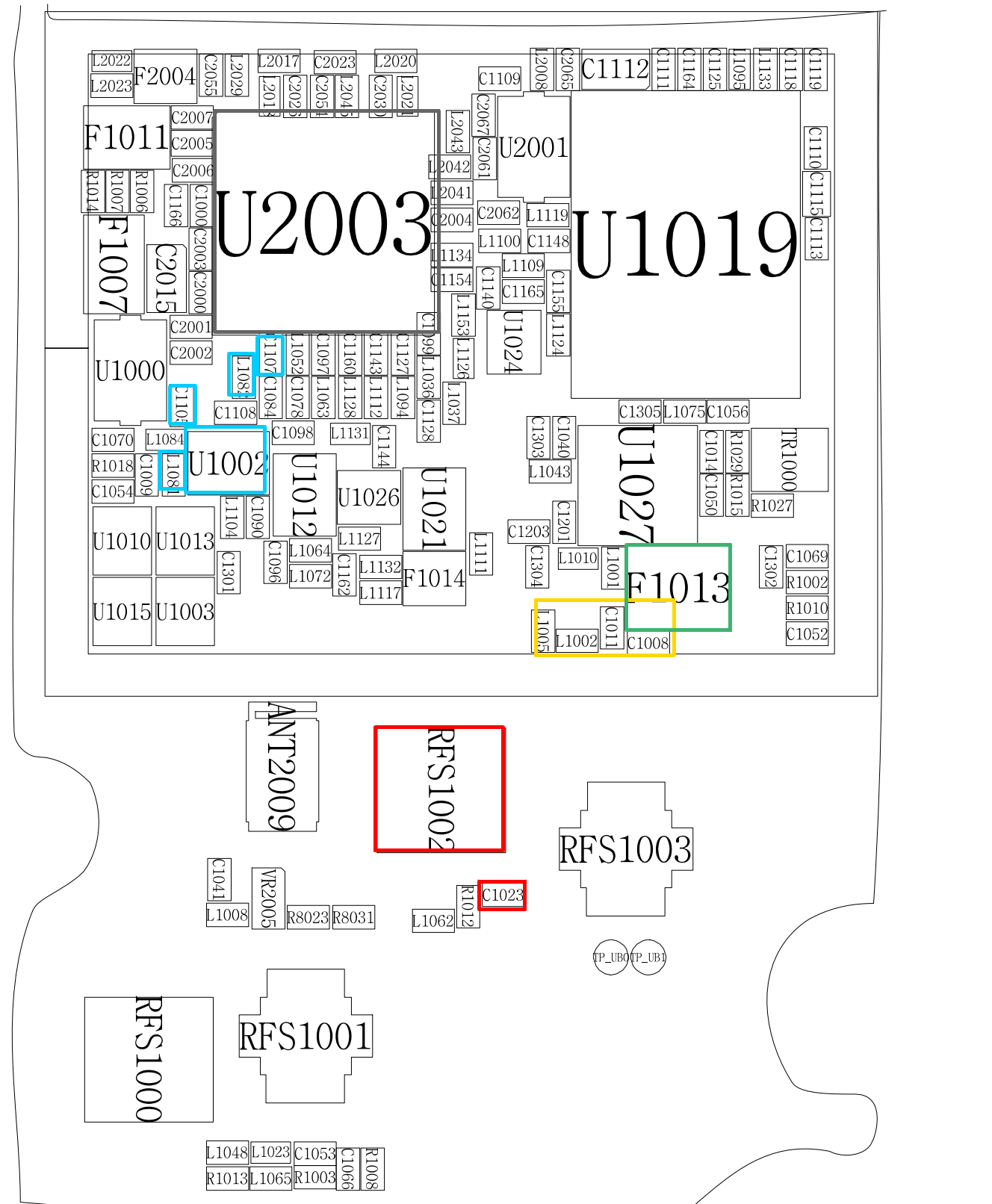


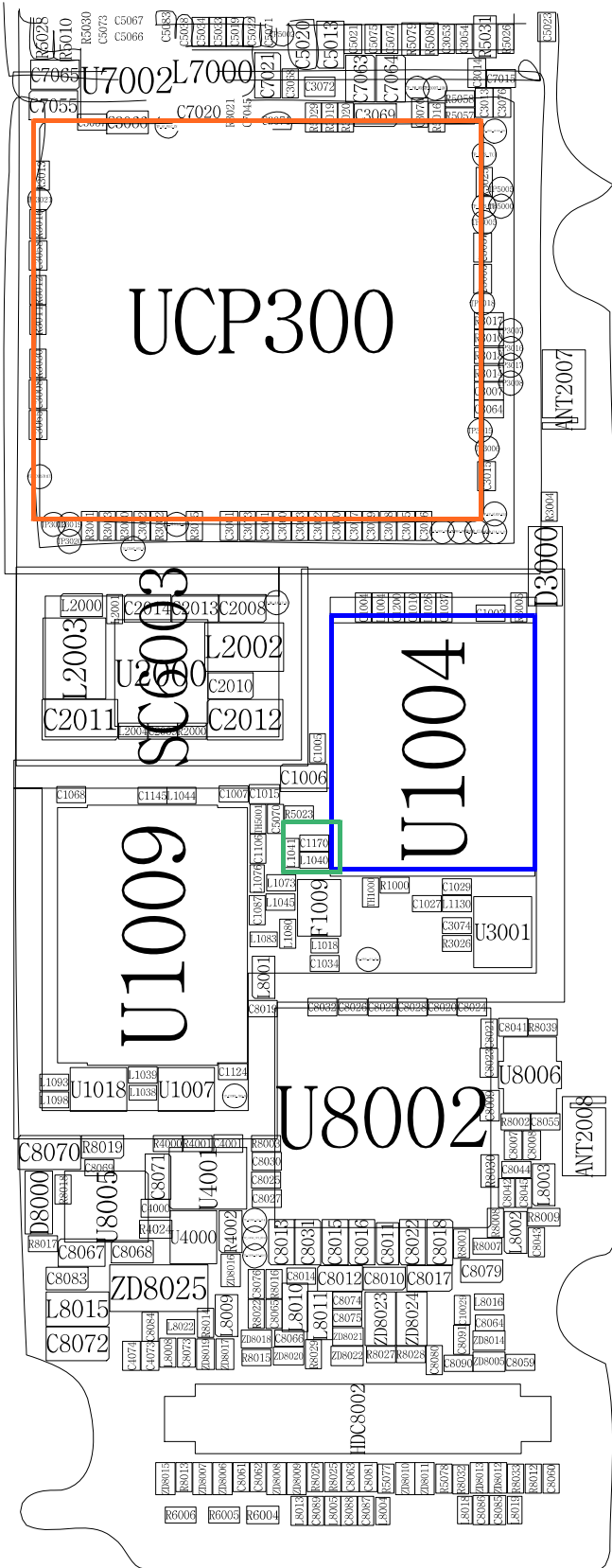


3-4-20. CDMA BC0 / GSM850 / WCDMA B5 / LTE B5, B18, B19, B26 RX

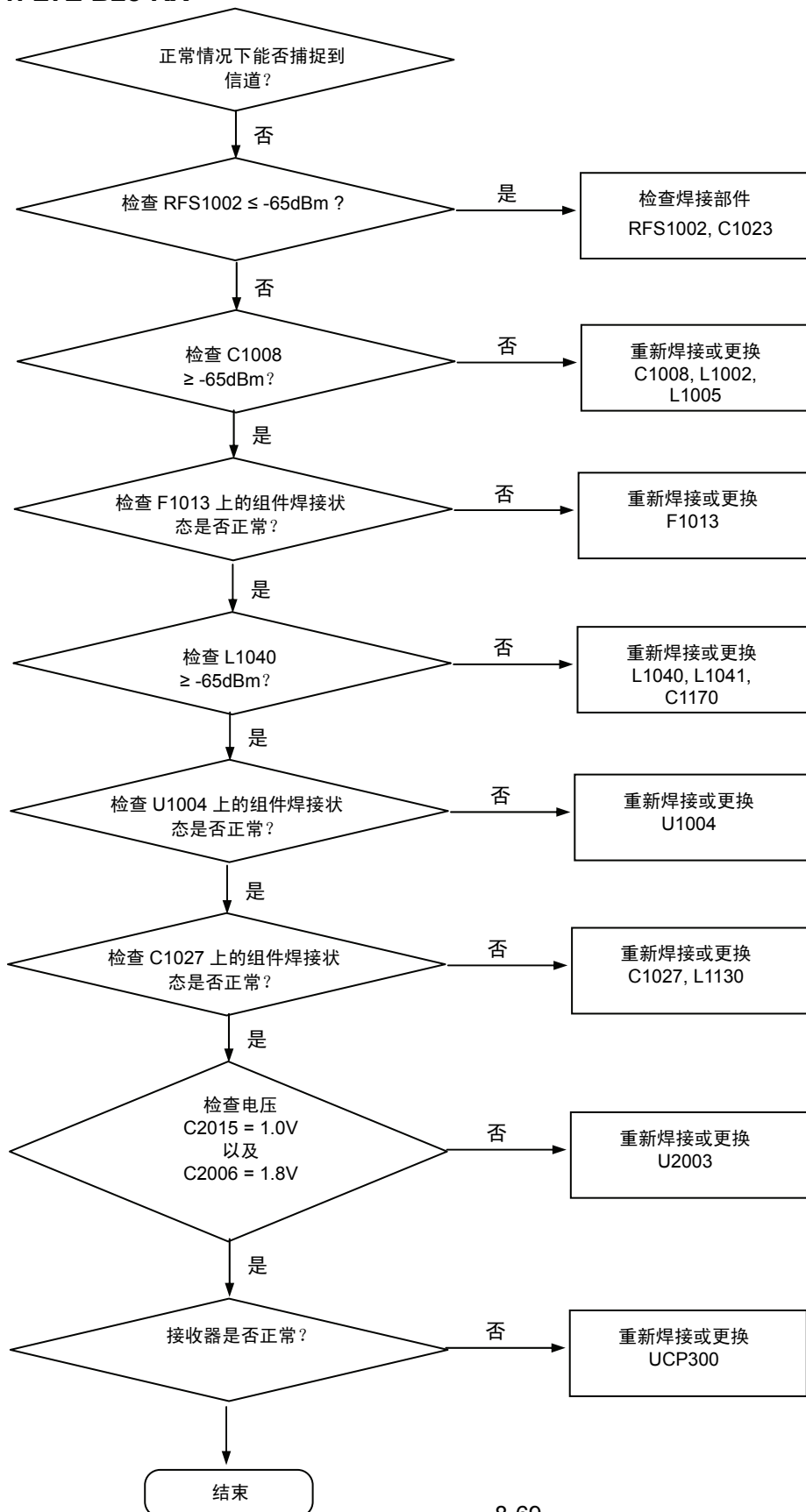


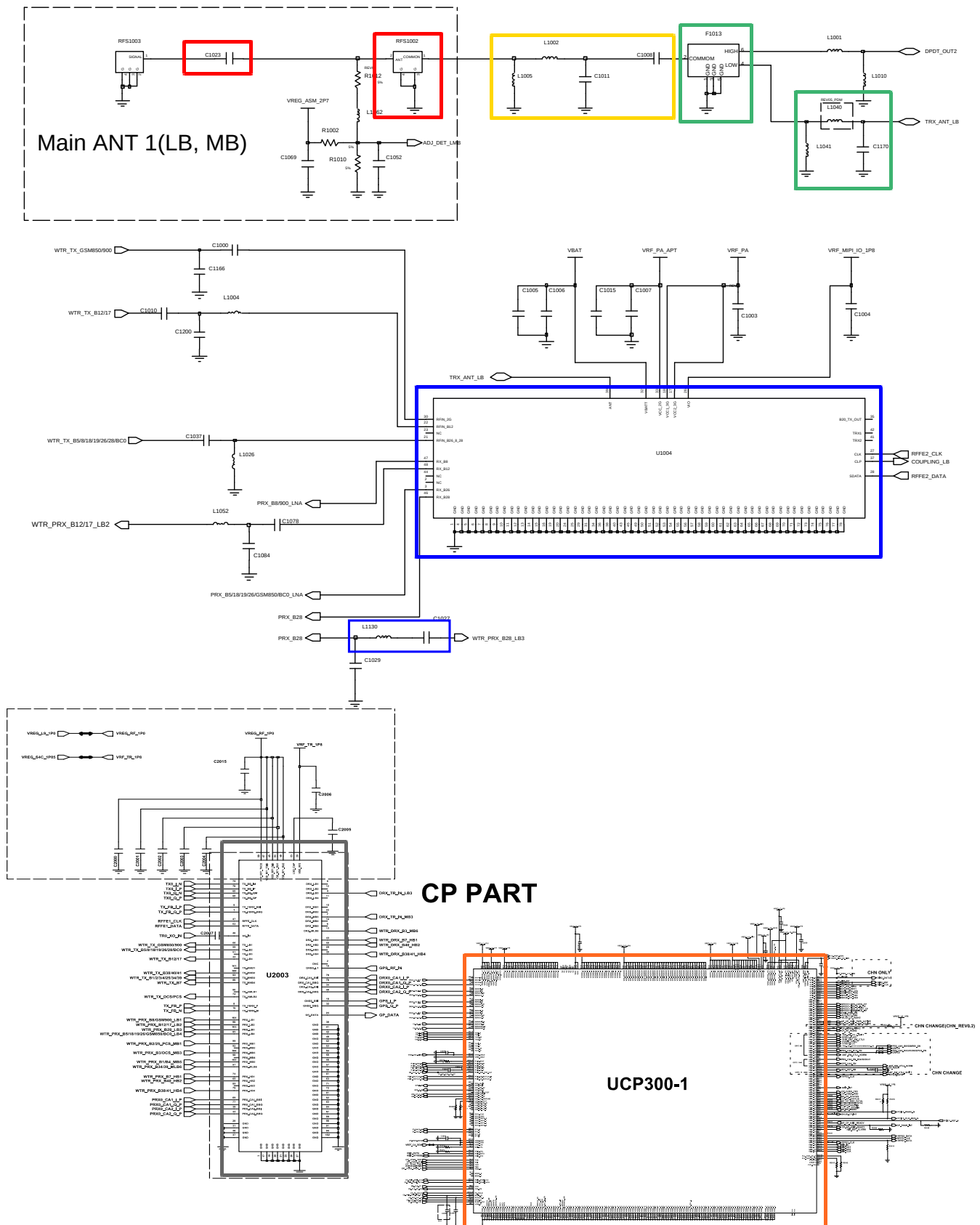


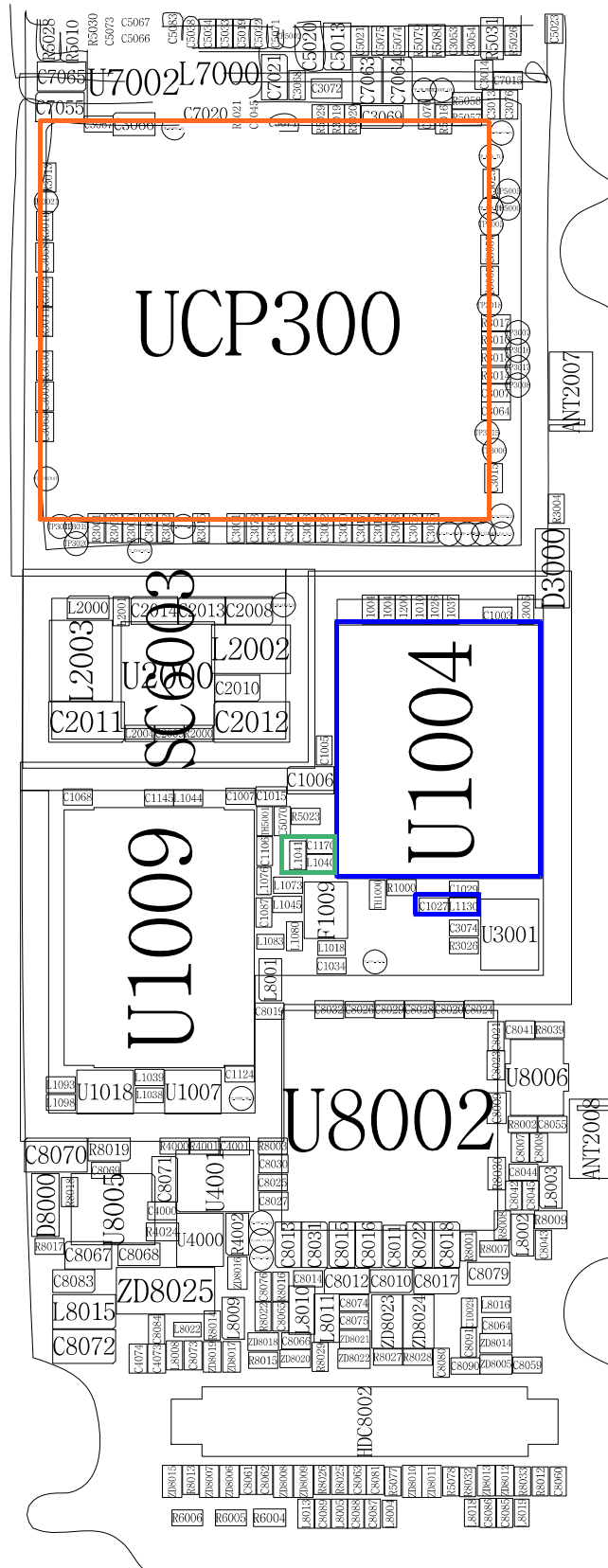




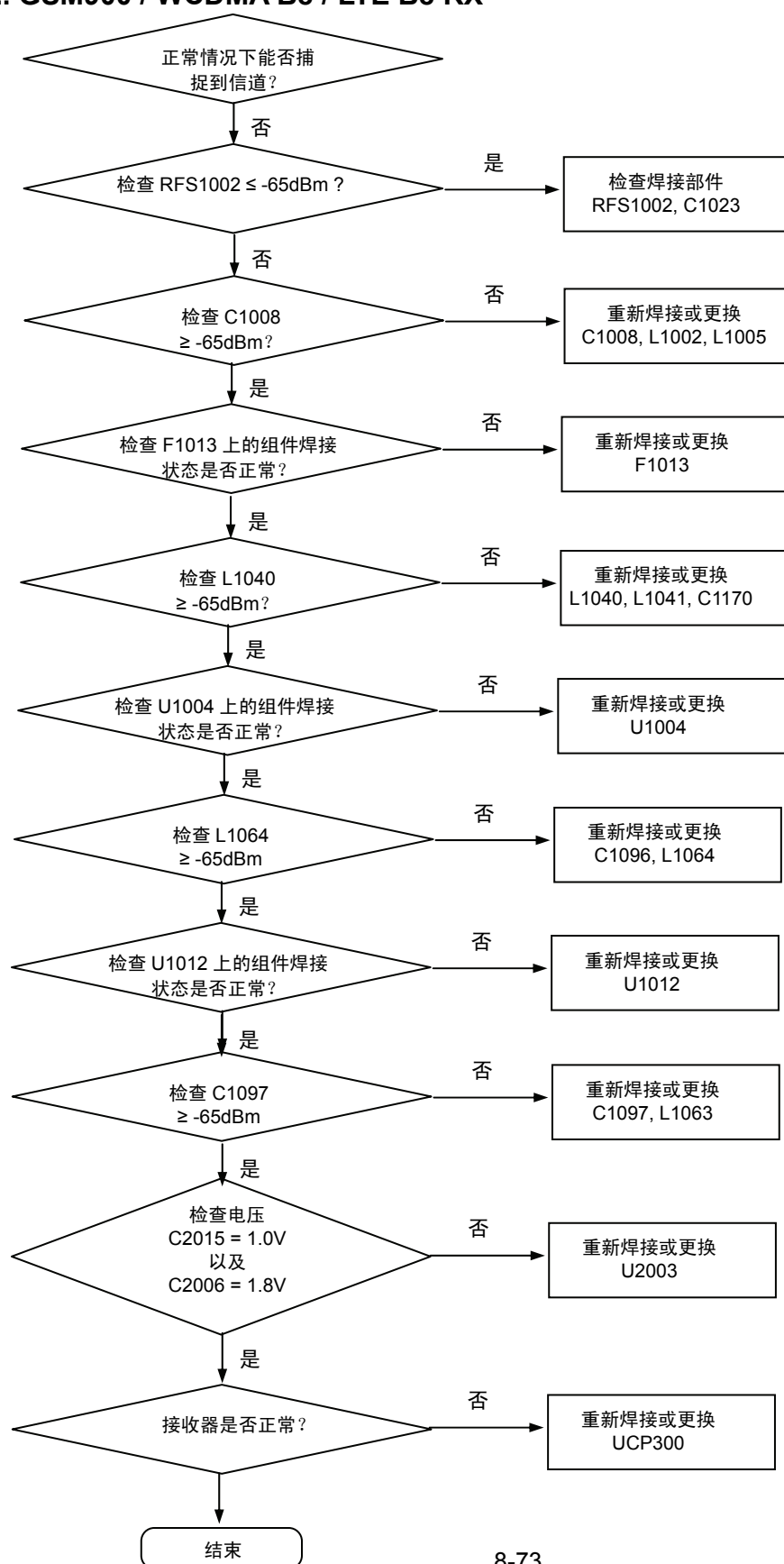
3-4-21. LTE B28 RX

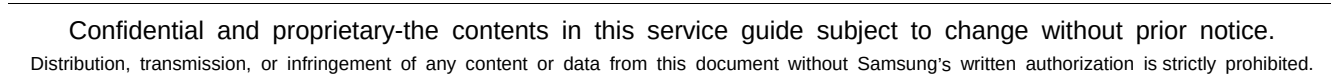


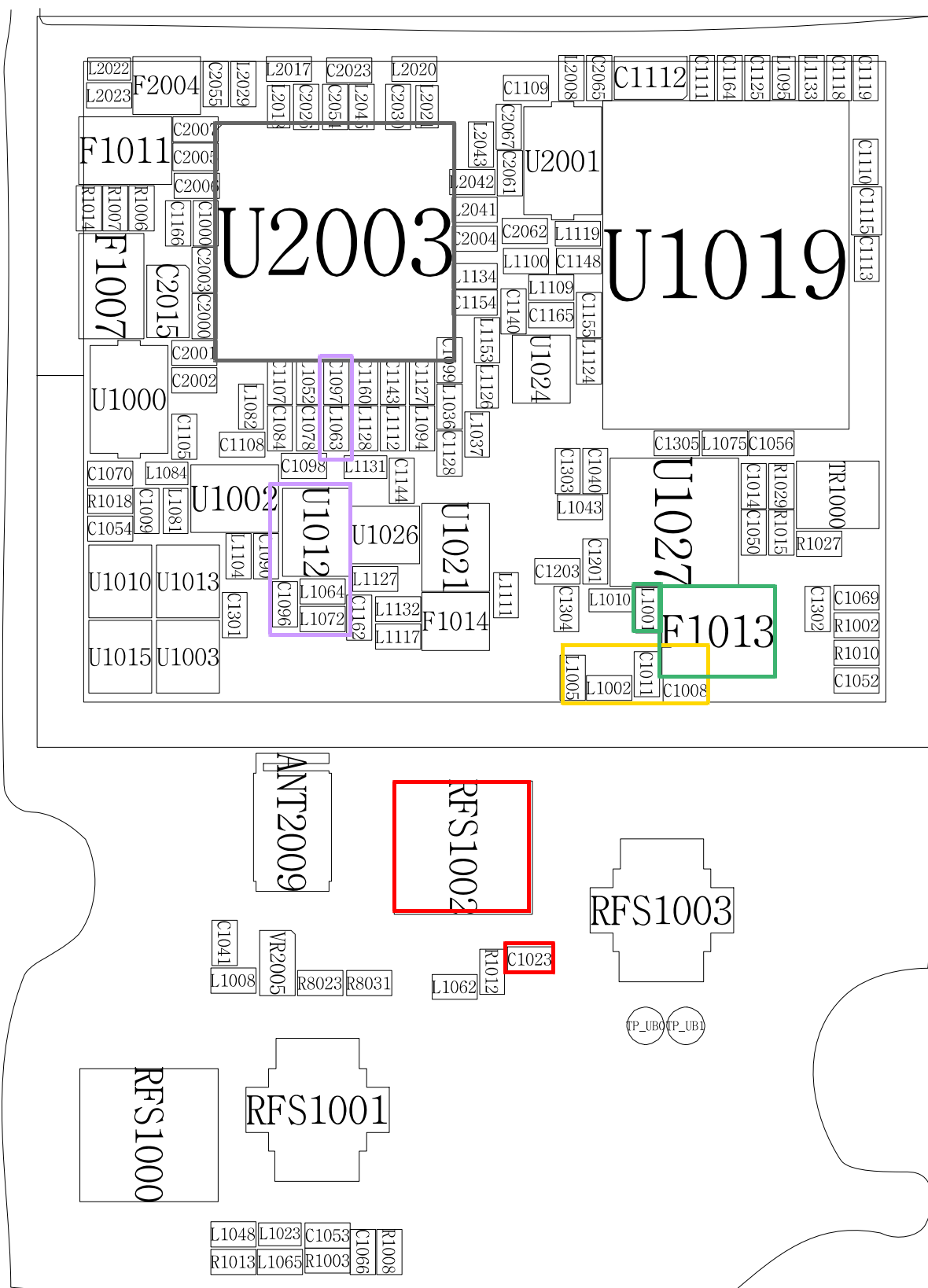


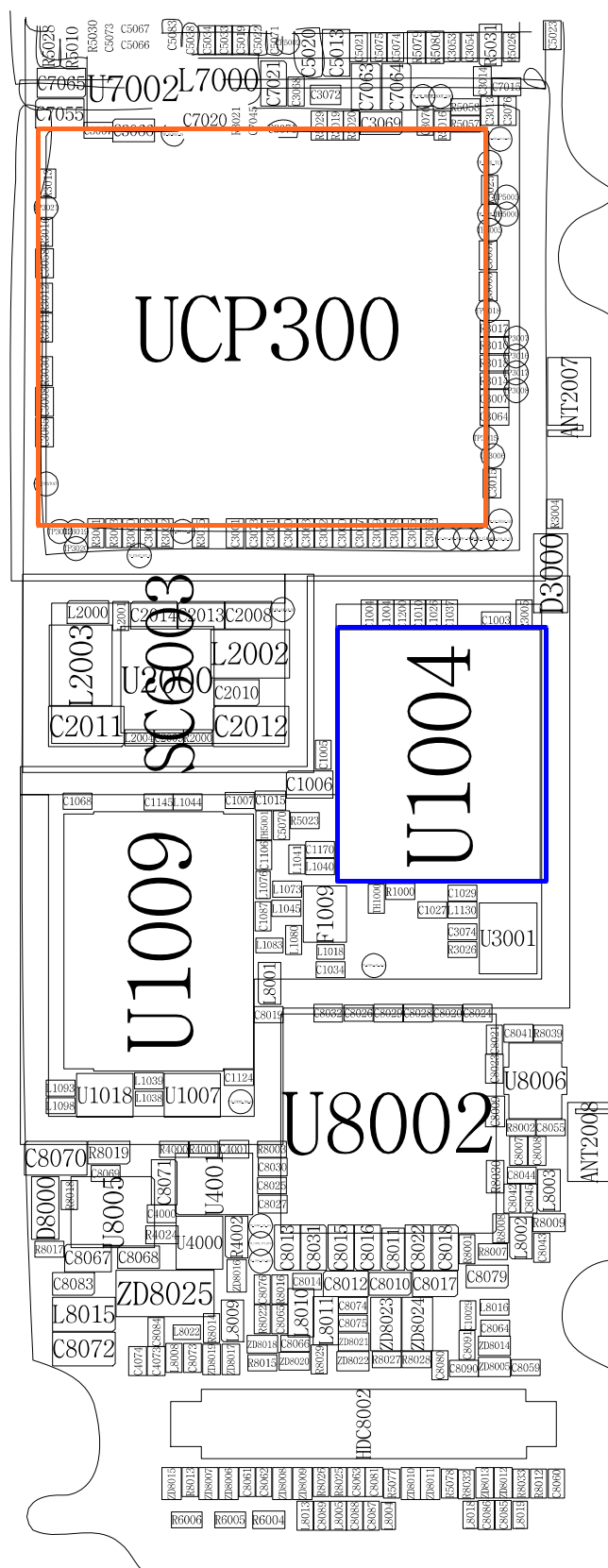


3-4-22. GSM900 / WCDMA B8 / LTE B8 RX

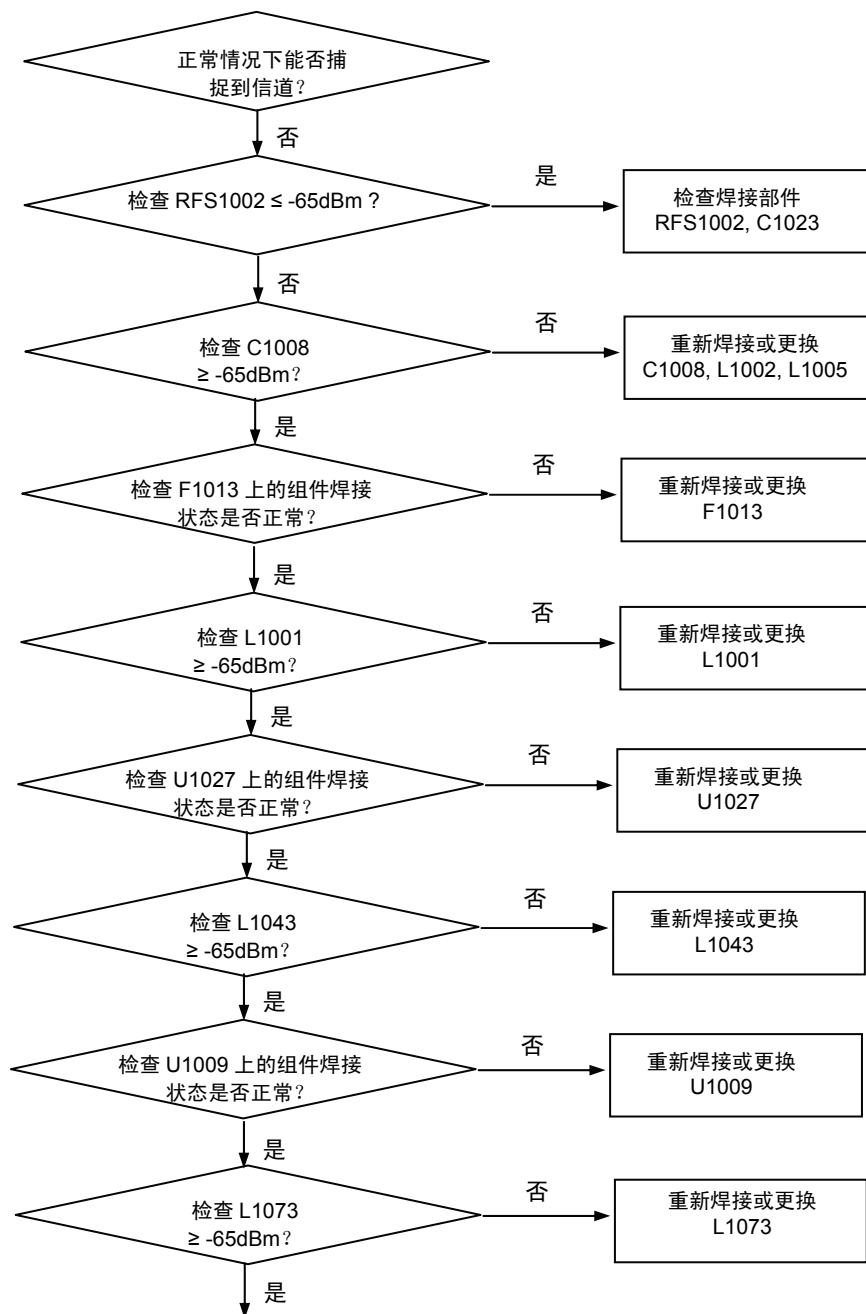


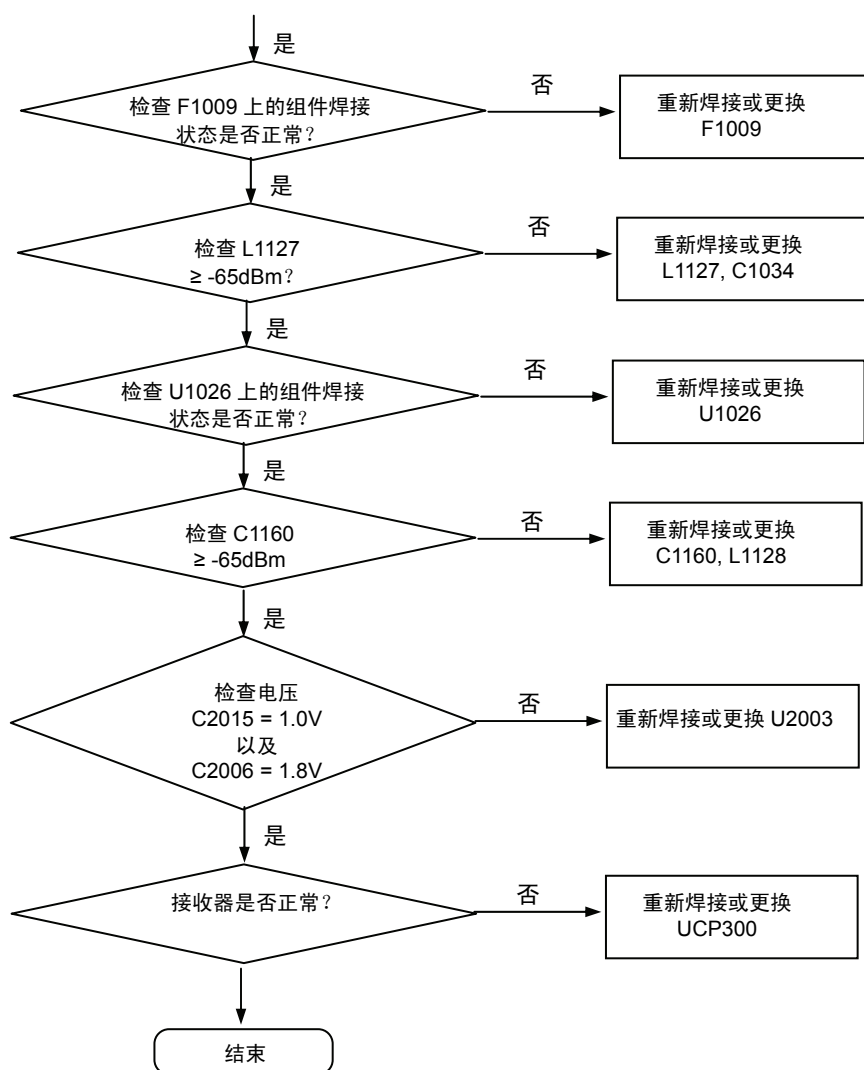


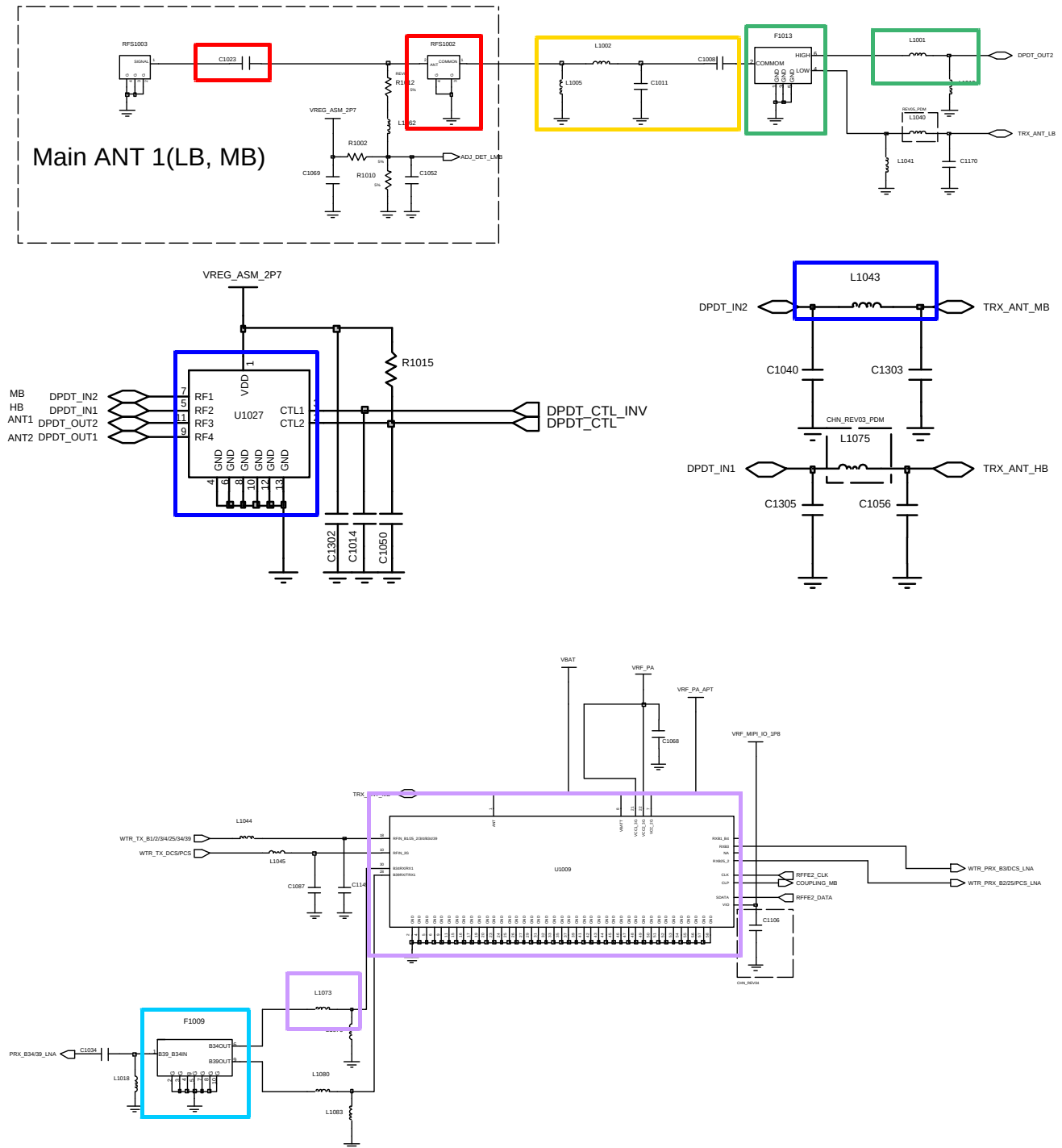


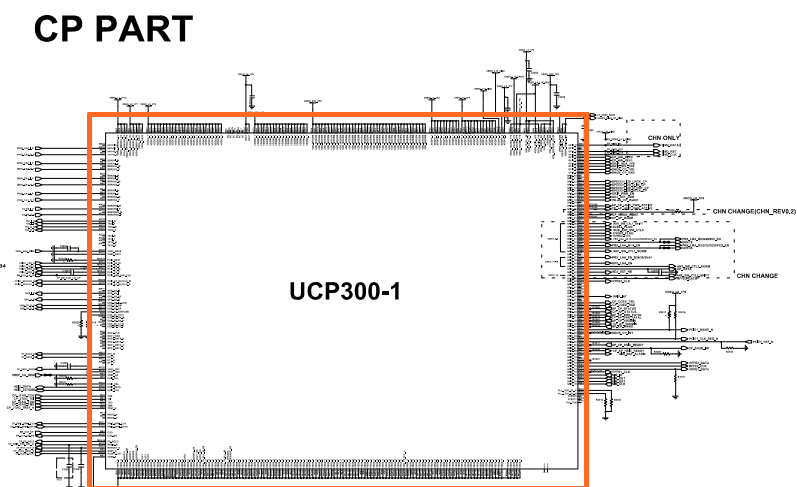
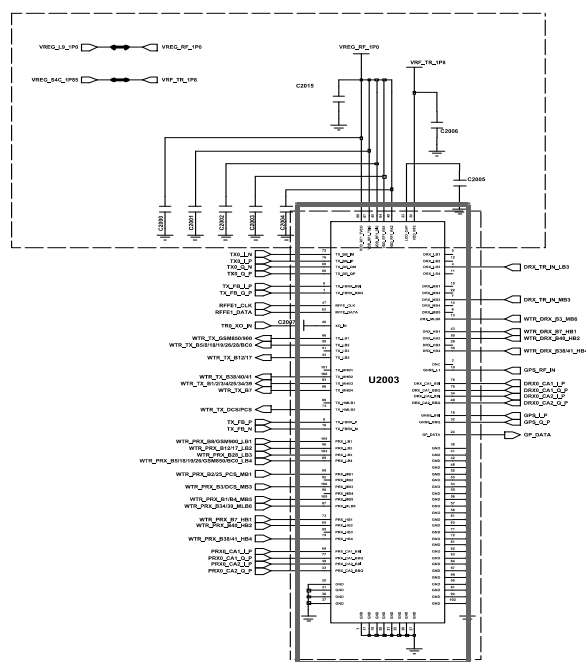
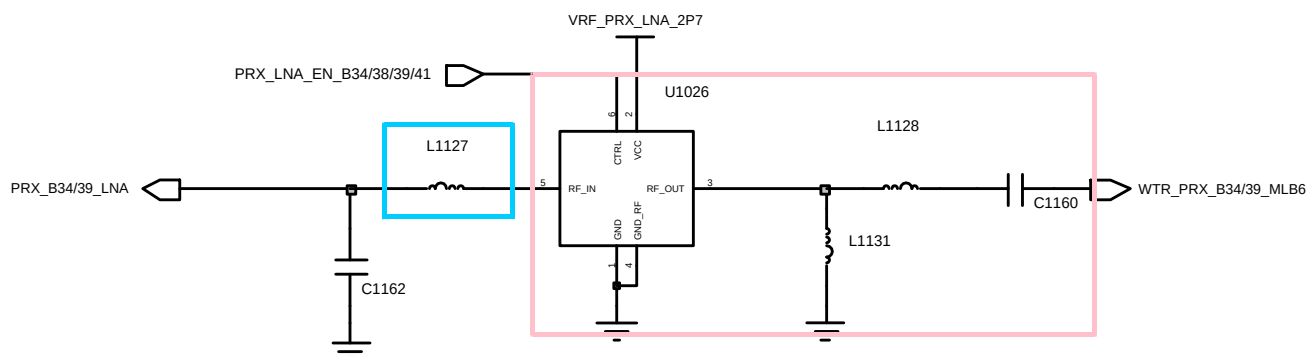


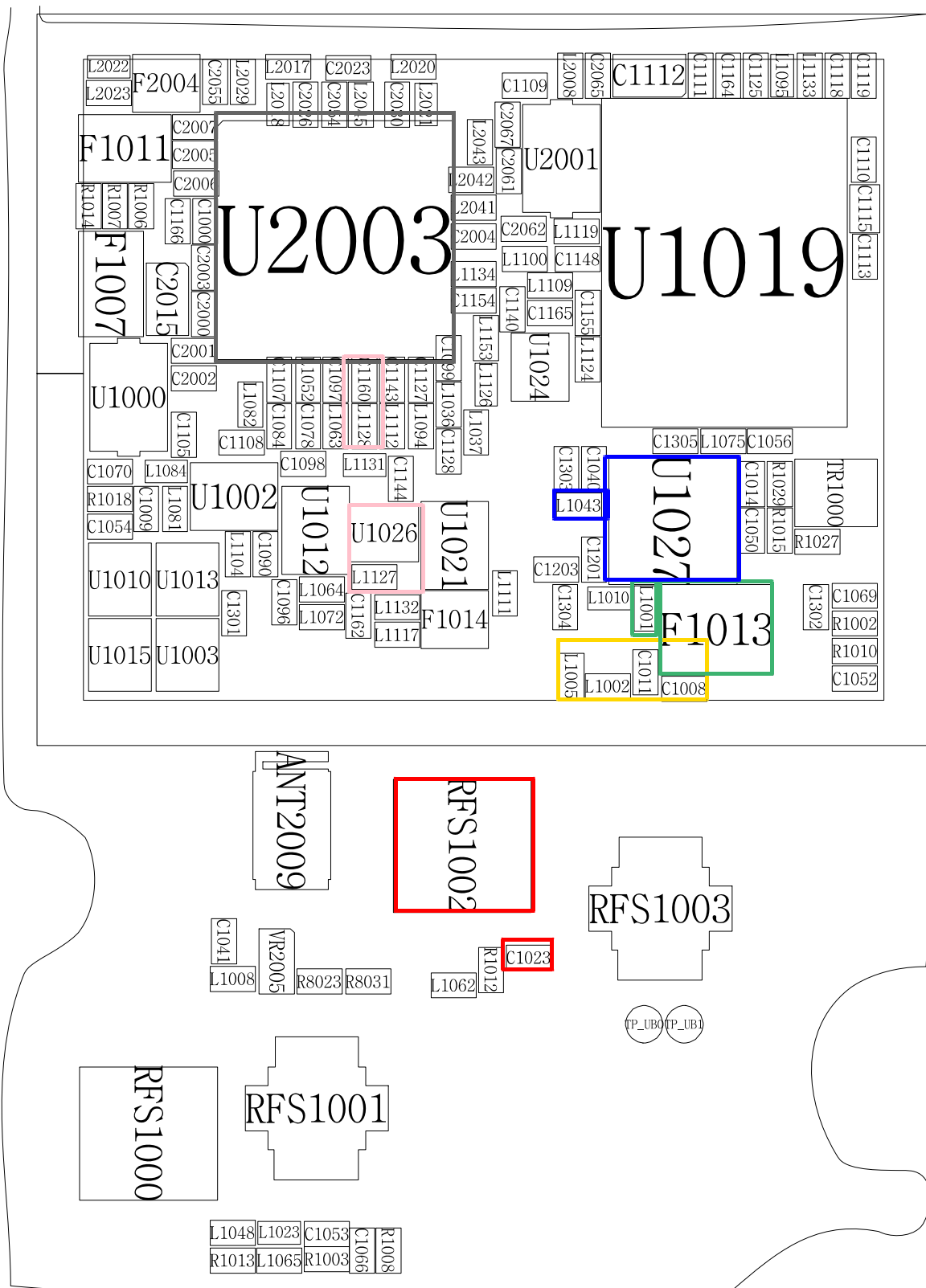
3-4-23. TD-SCDMA B34 RX

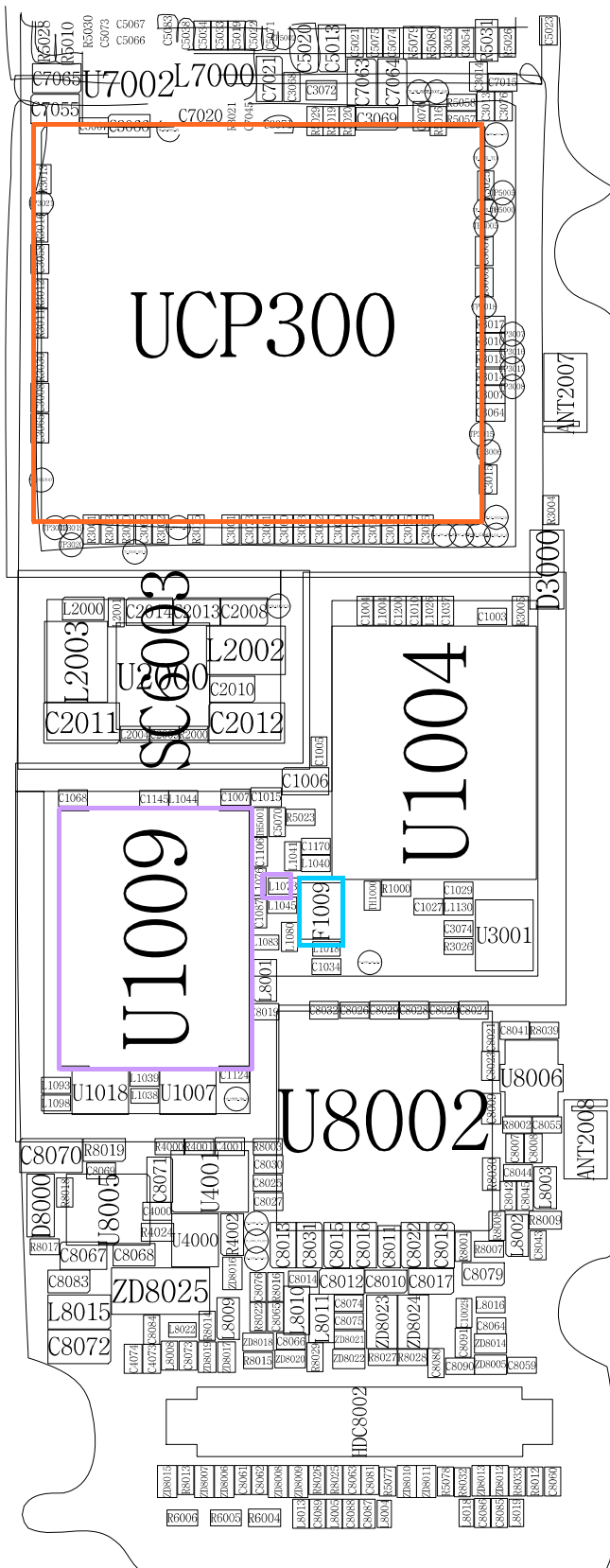




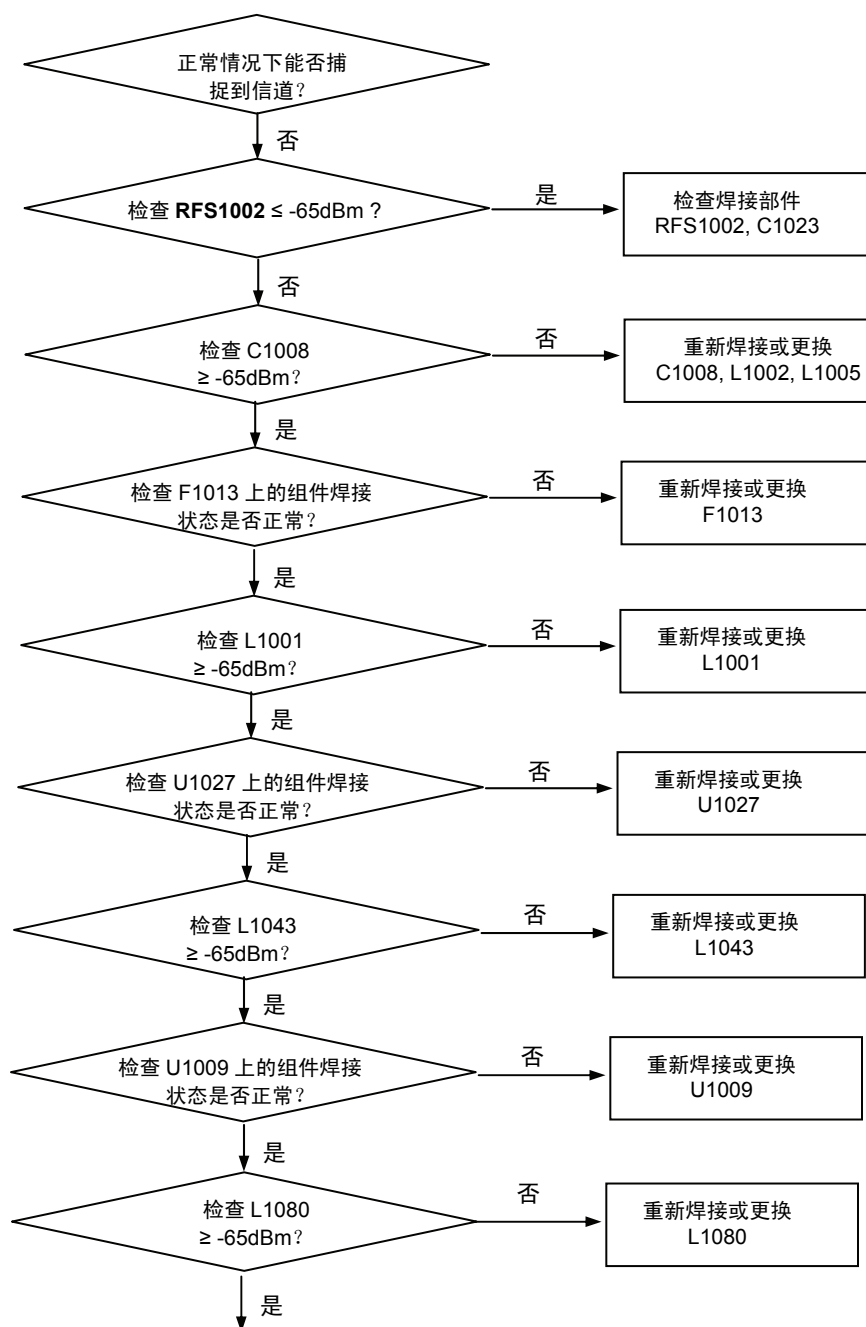


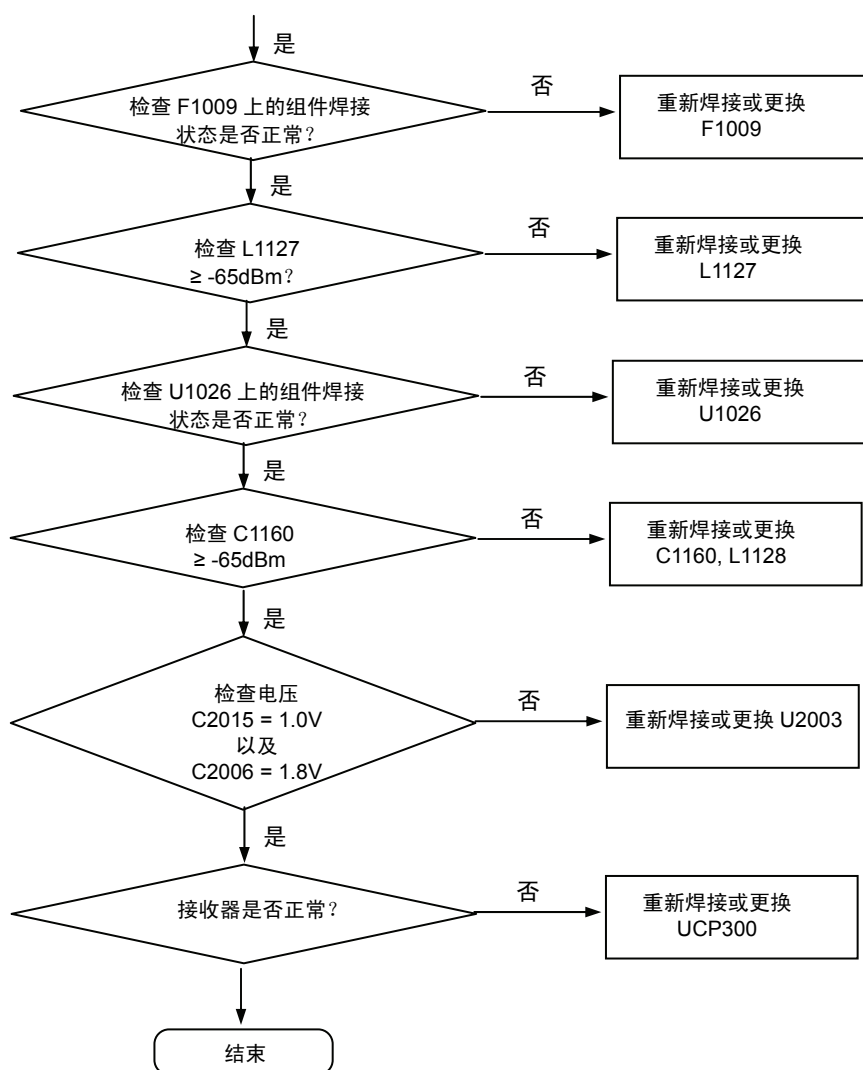


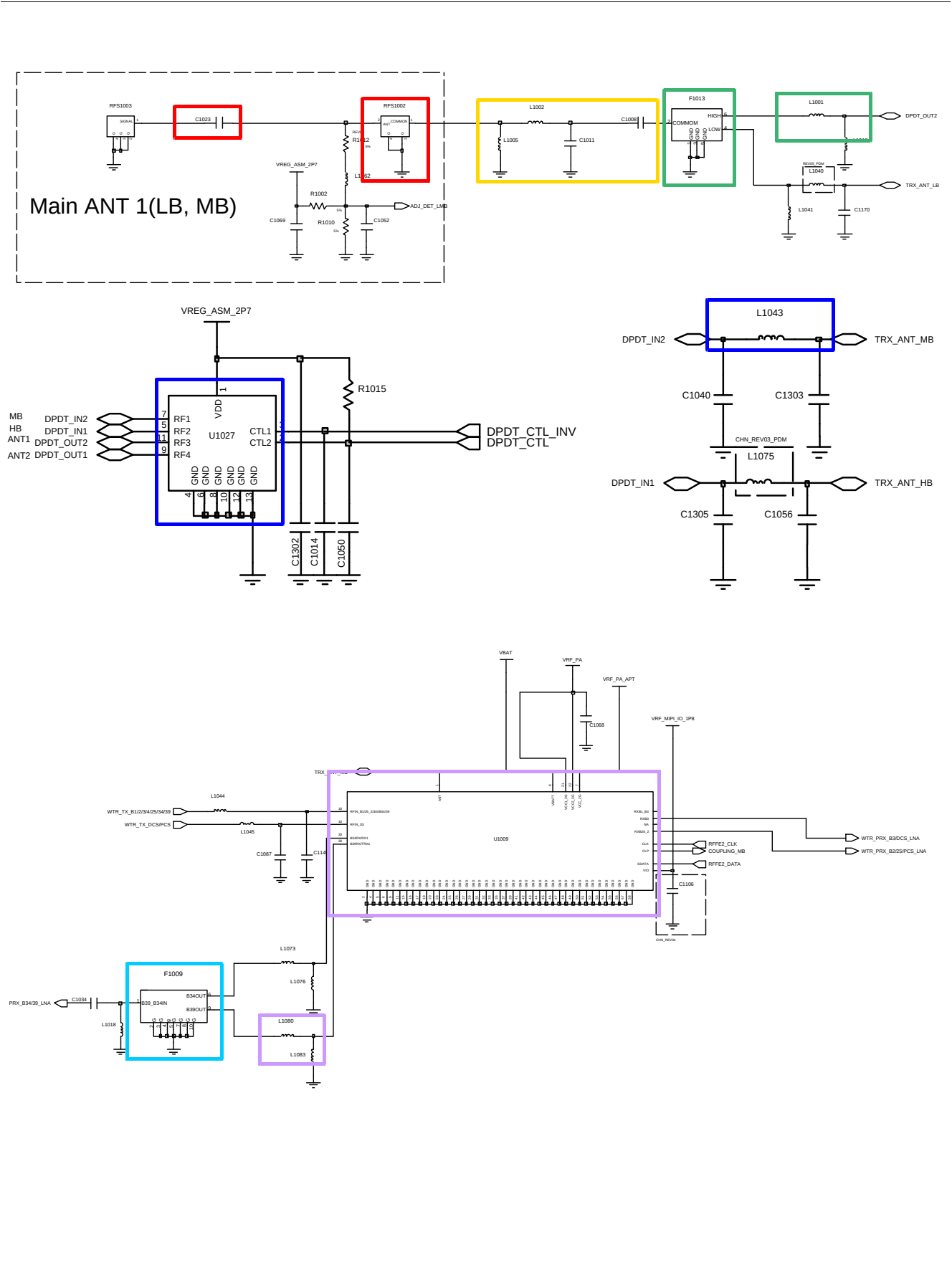


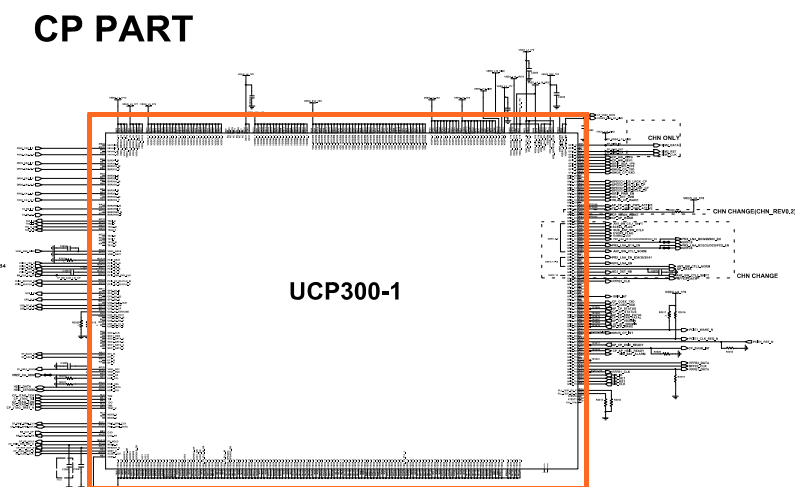
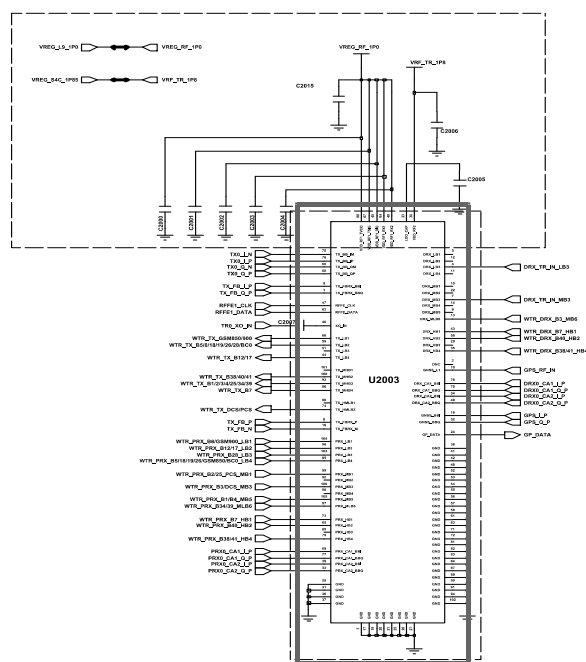
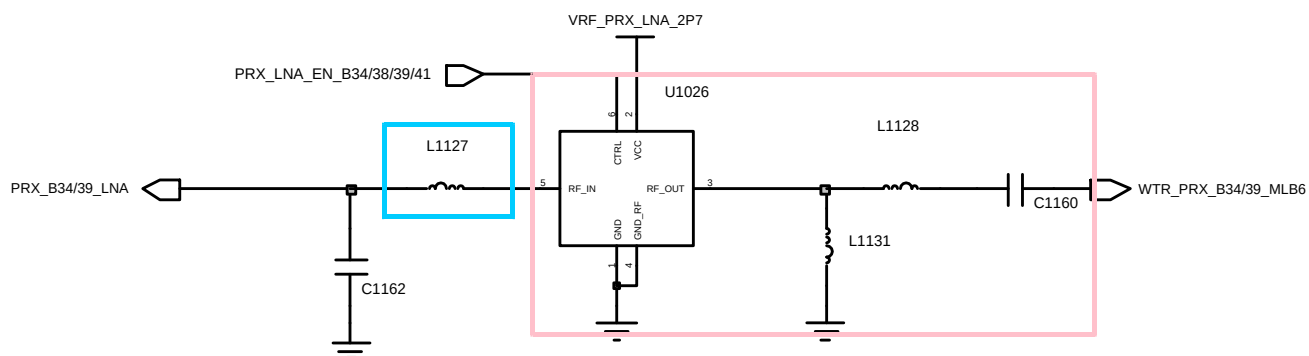


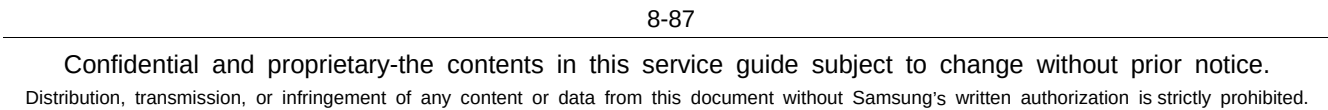
3-4-24. TD-SCDMA B39 / LTE B39 RX

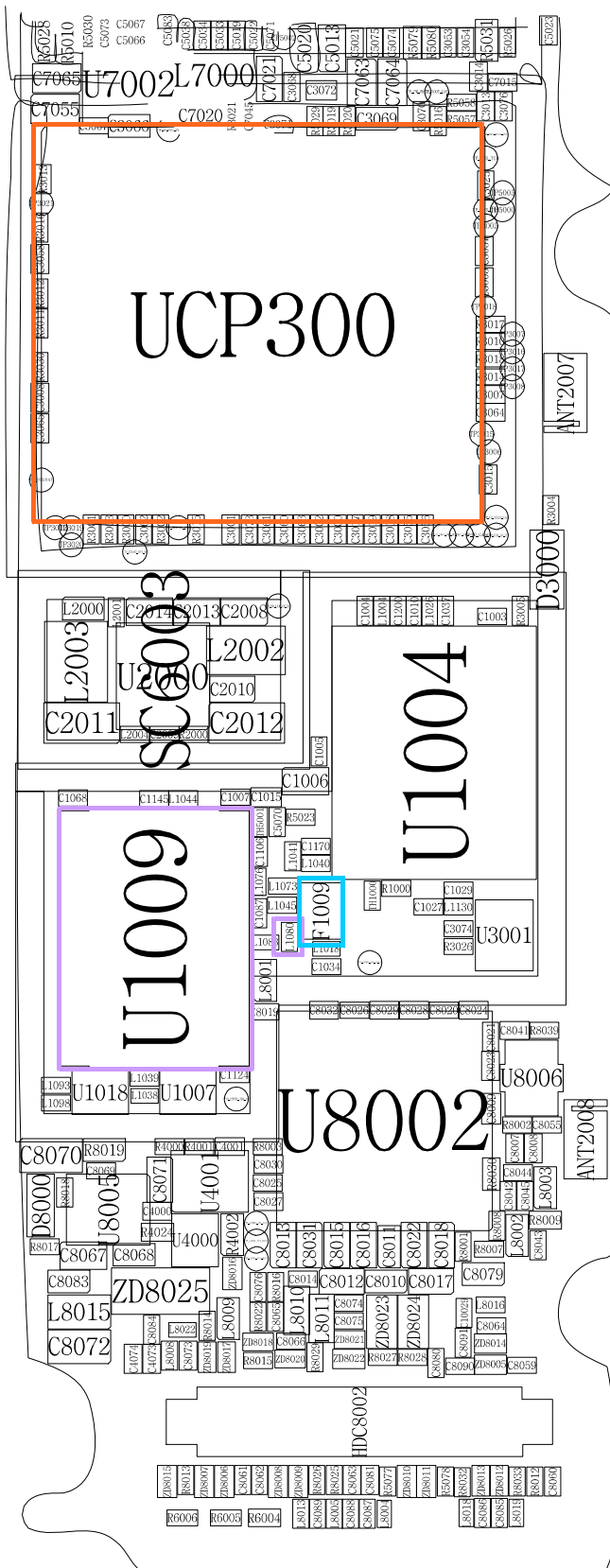




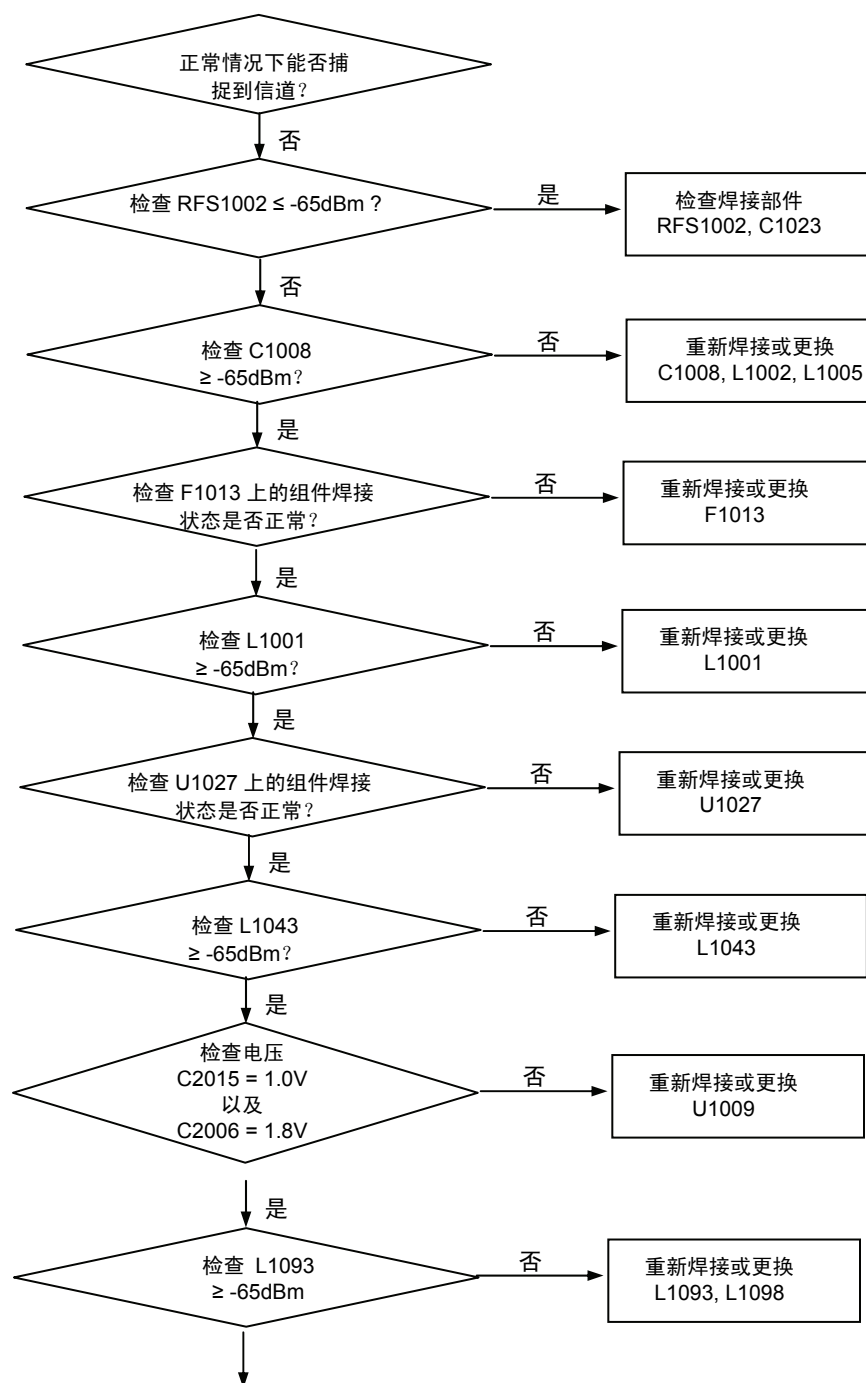


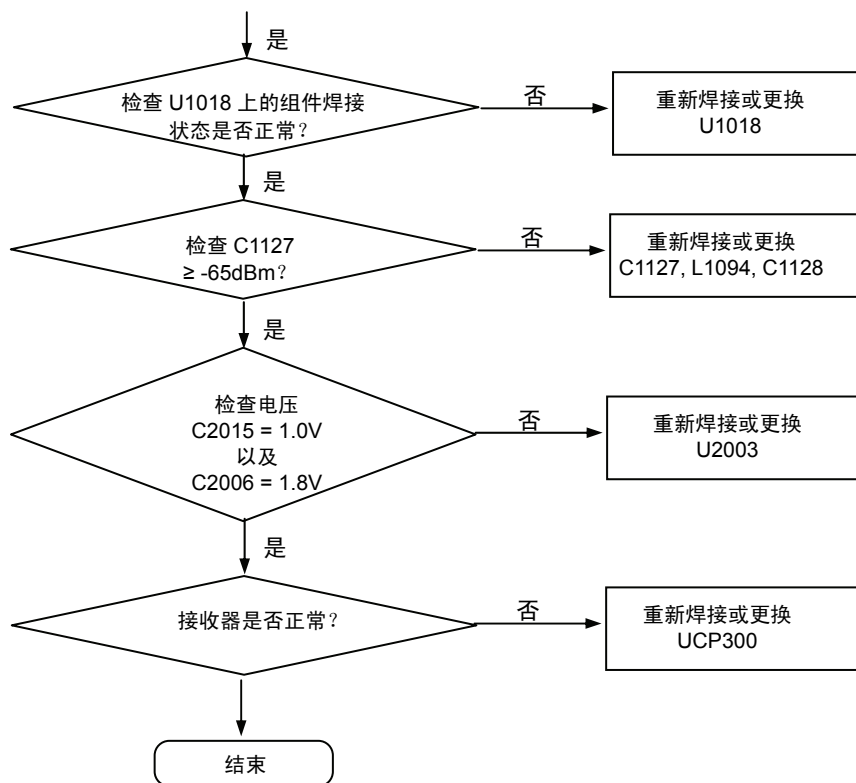


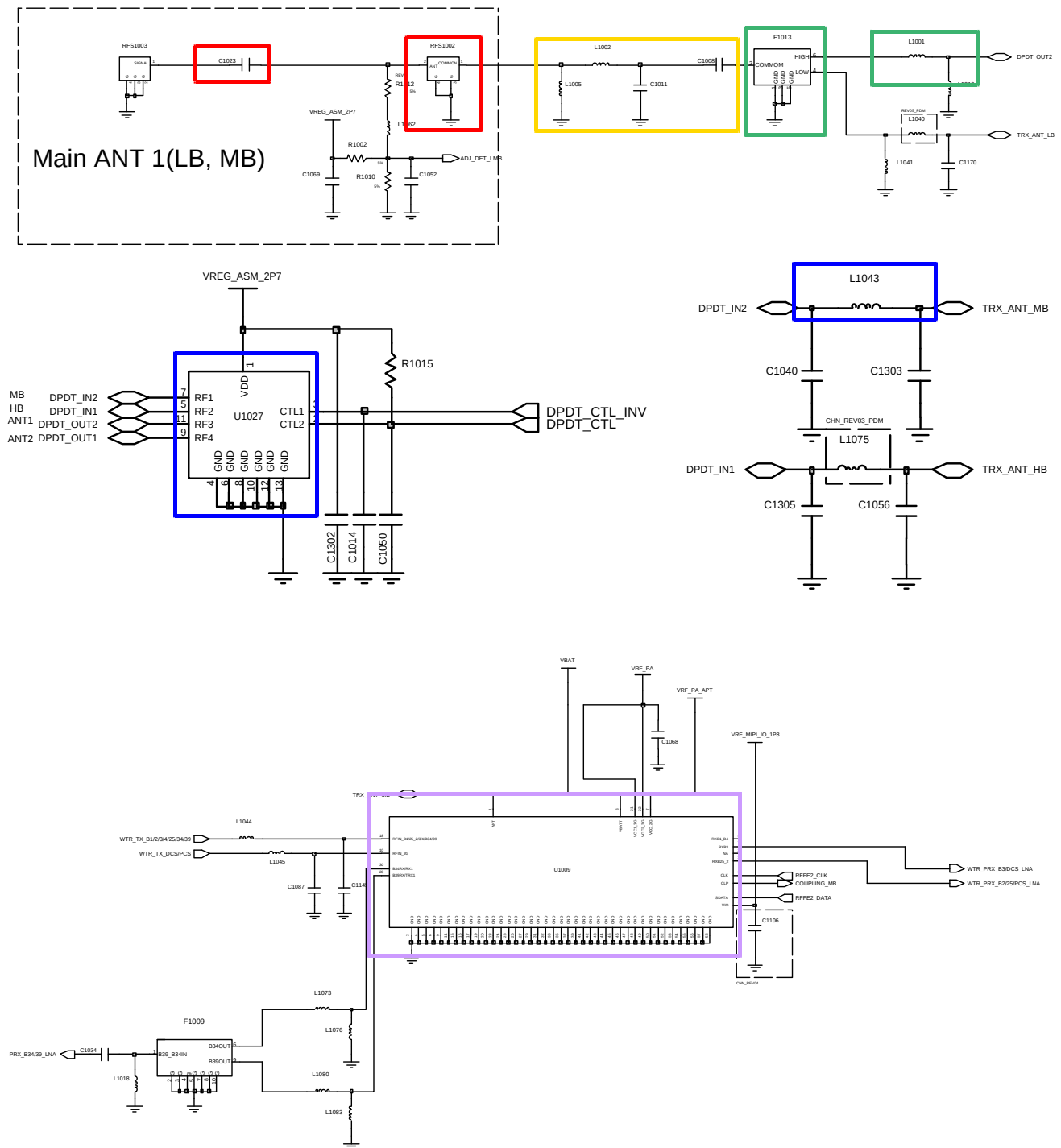


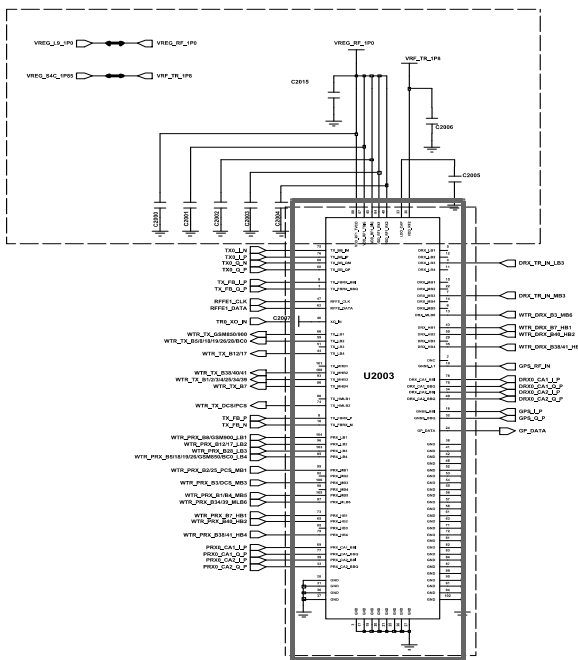
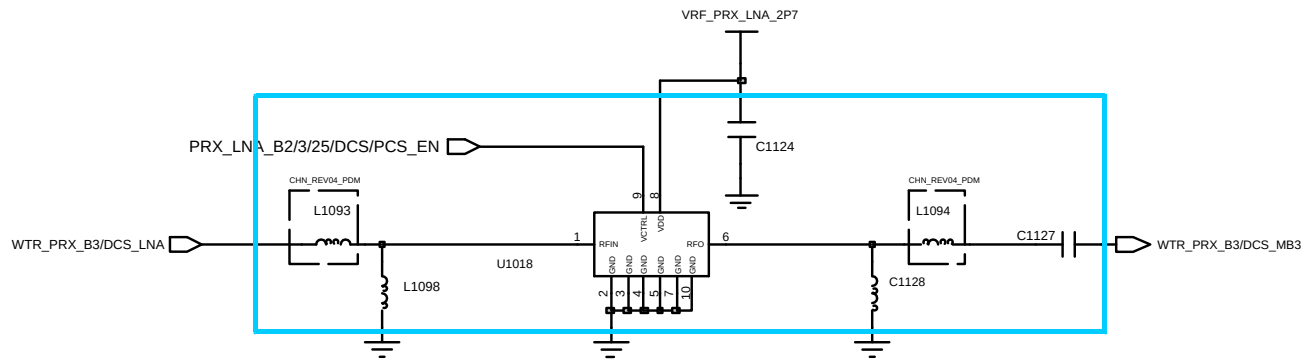


3-4-25. GSM1800 / LTE B3 RX

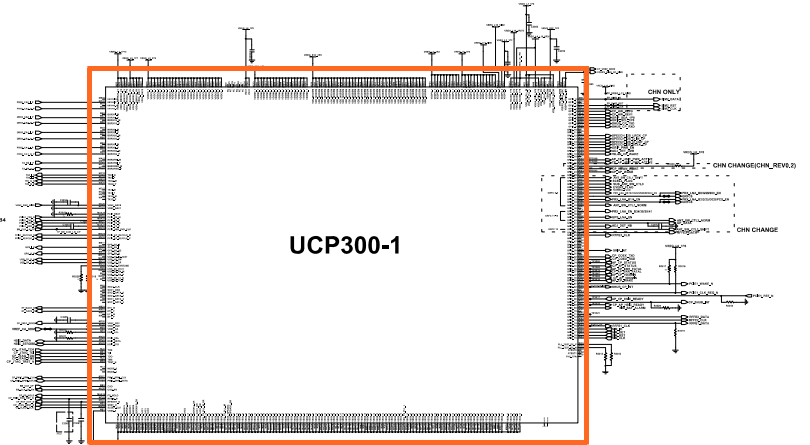


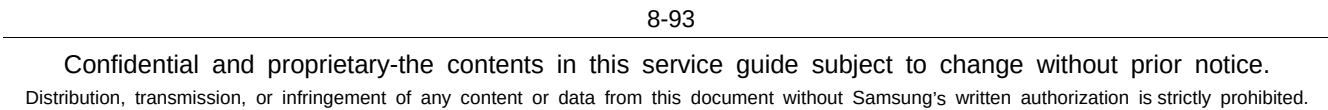


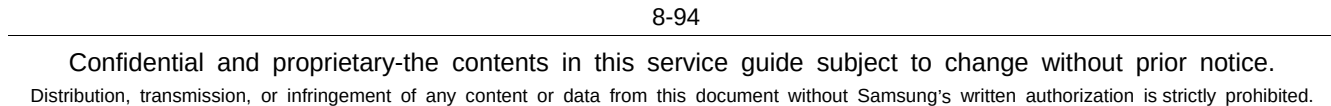




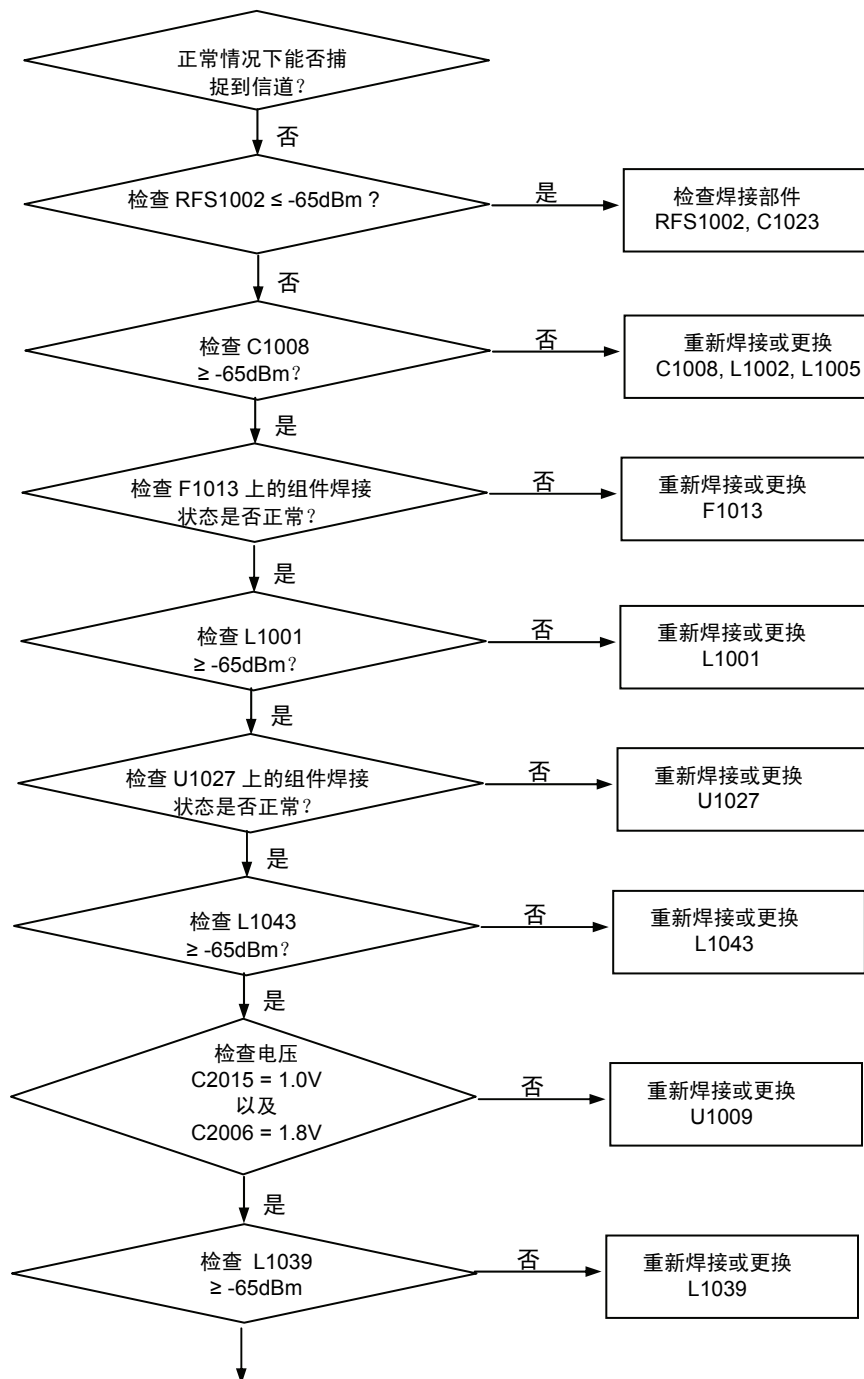
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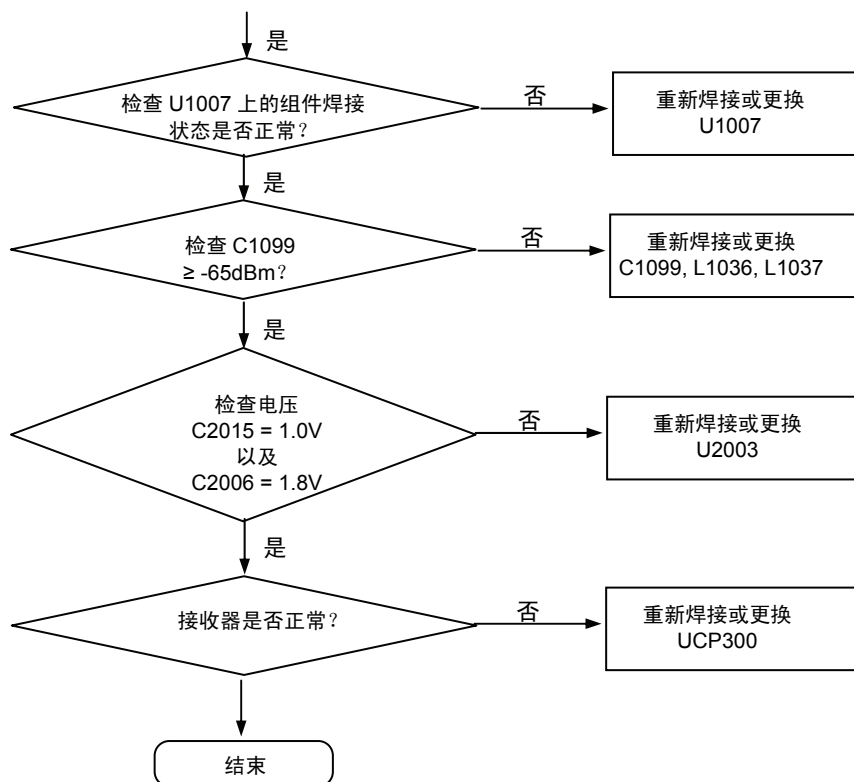


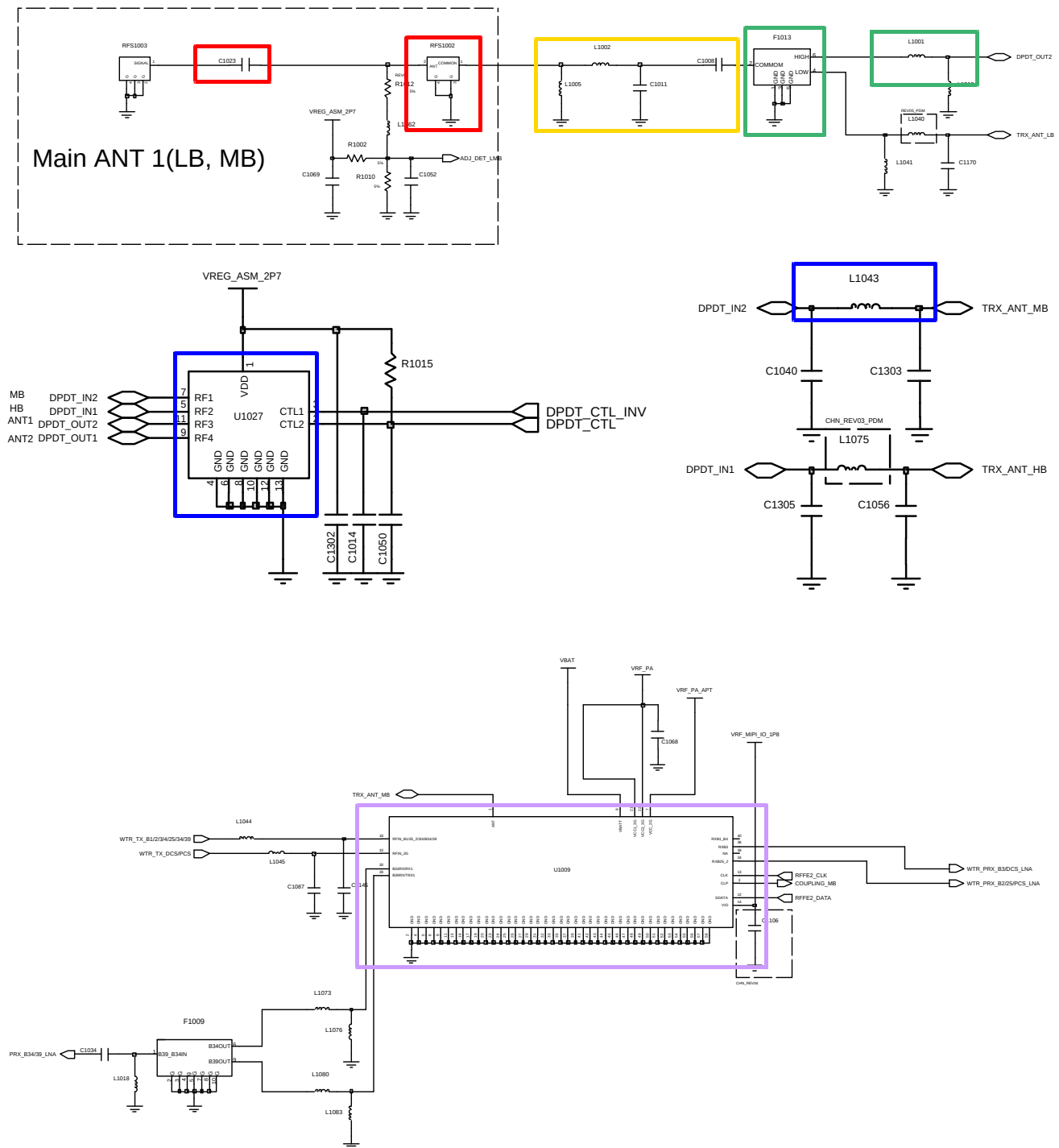


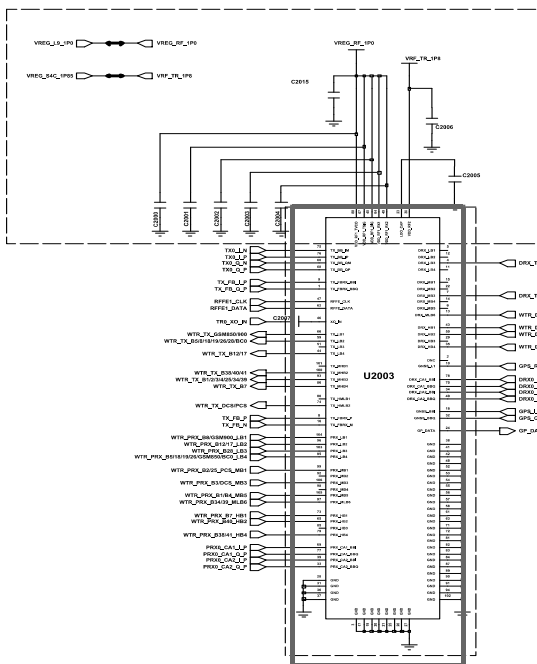
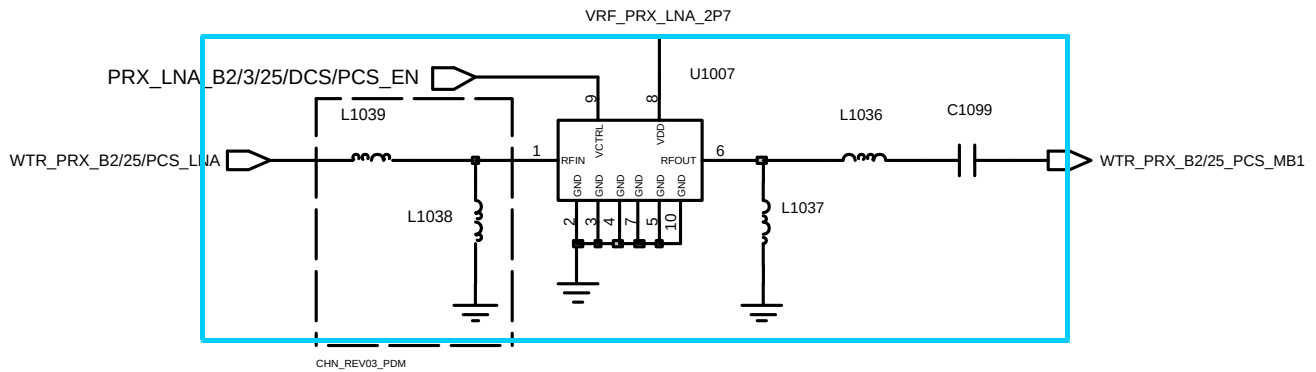


3-4-26. GSM1900 / WCDMA B2 / LTE B2, B5 RX

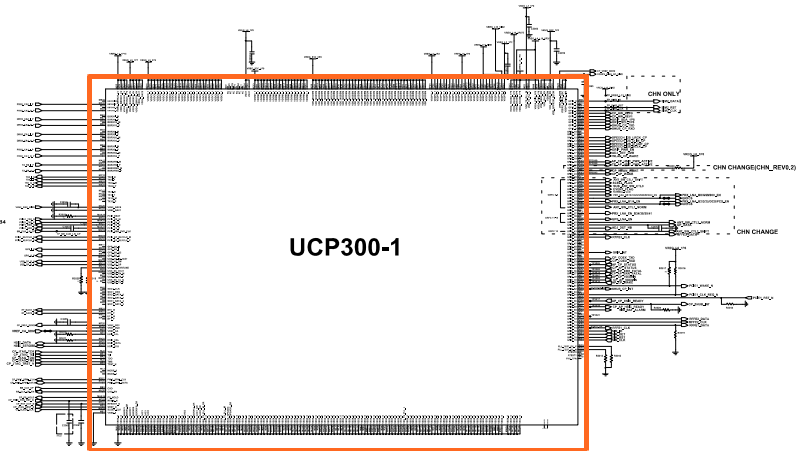


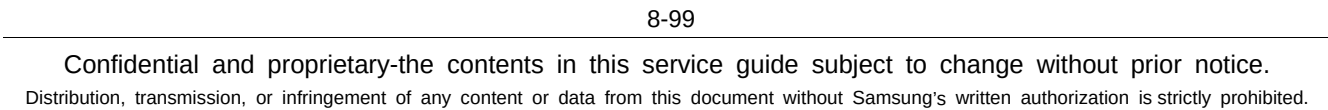


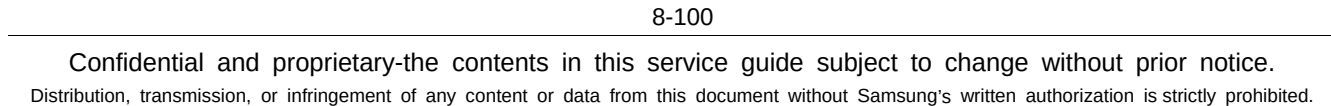




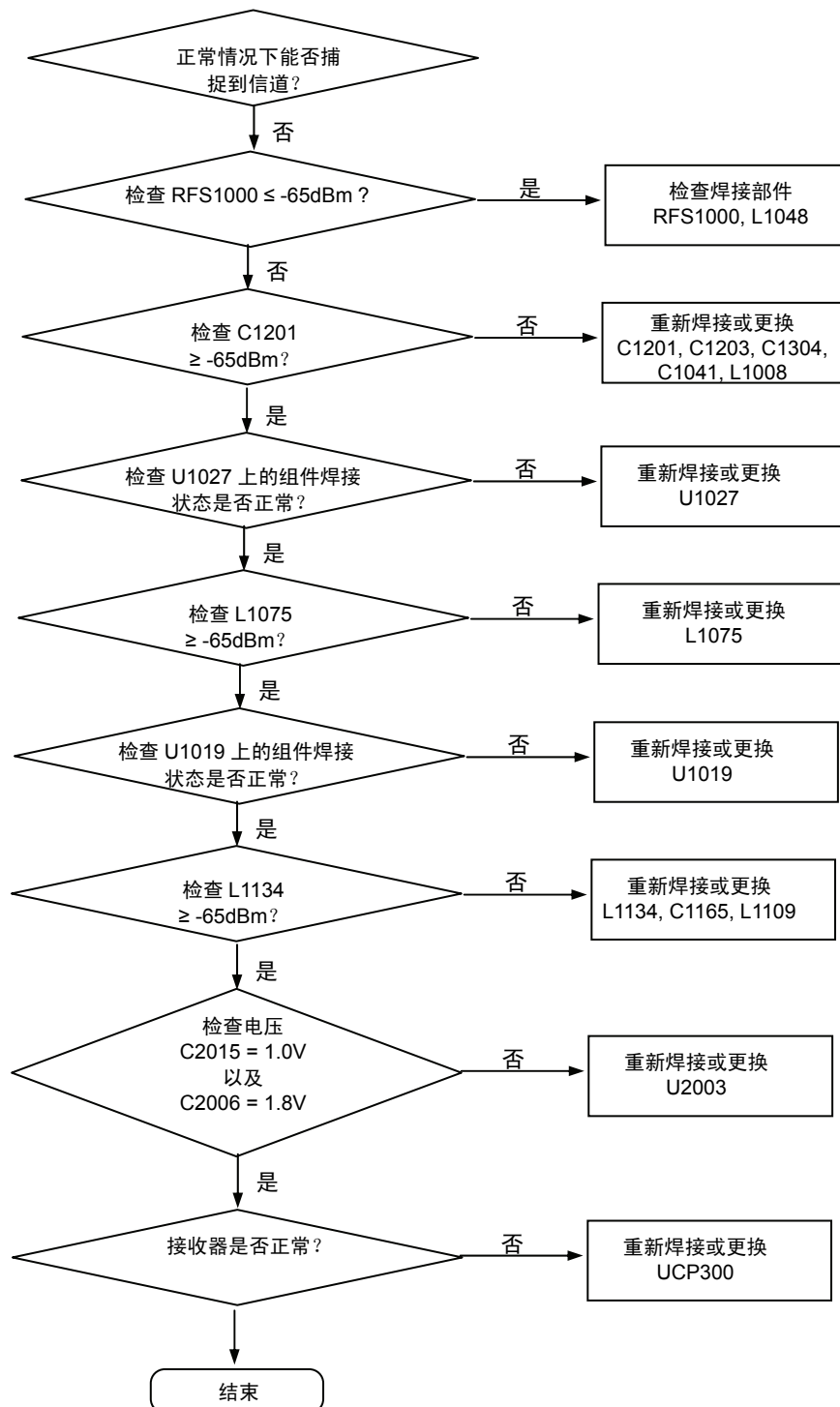
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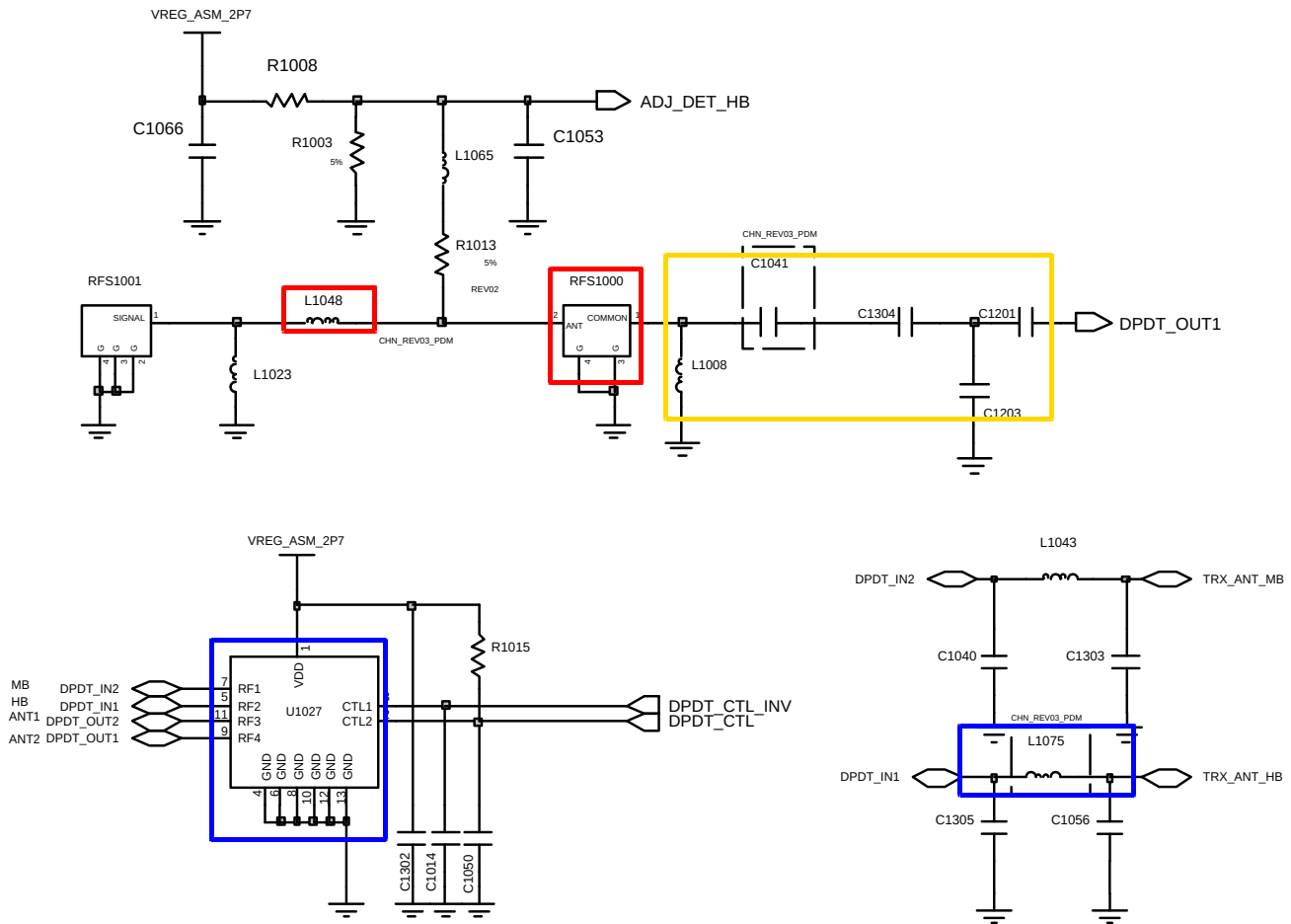


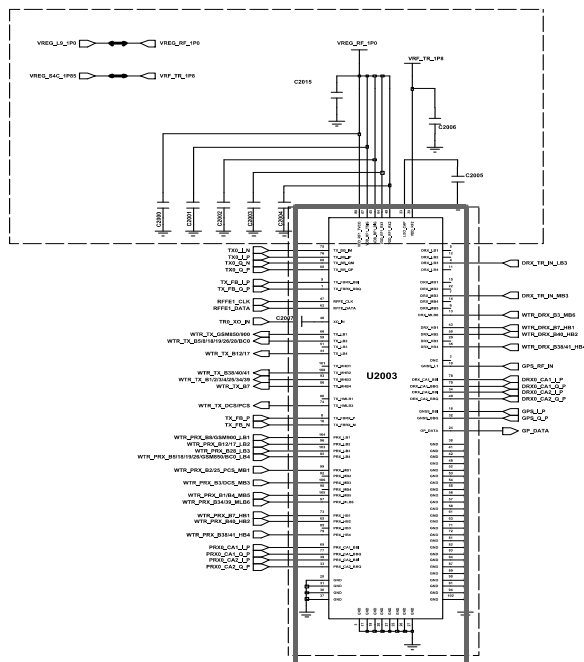
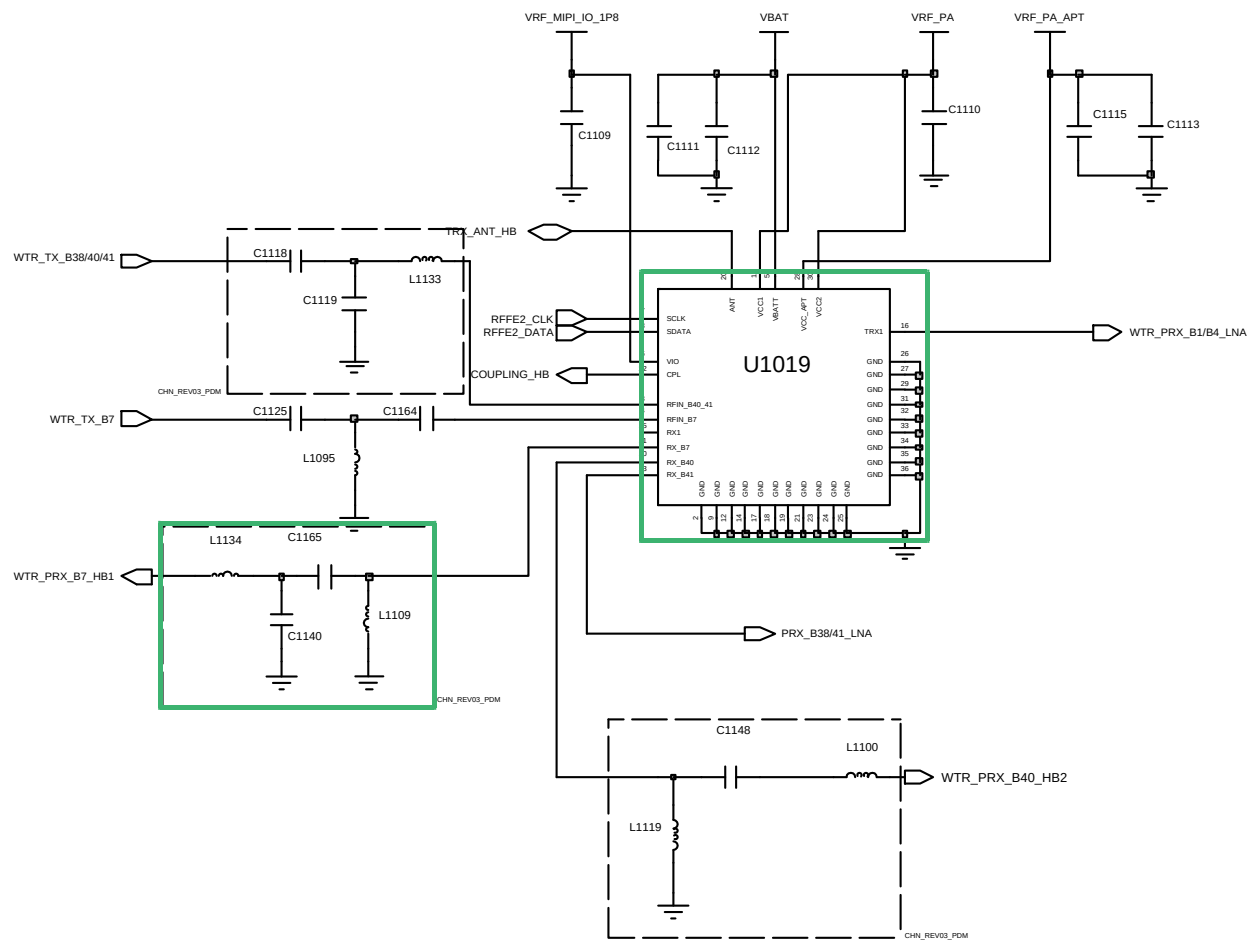




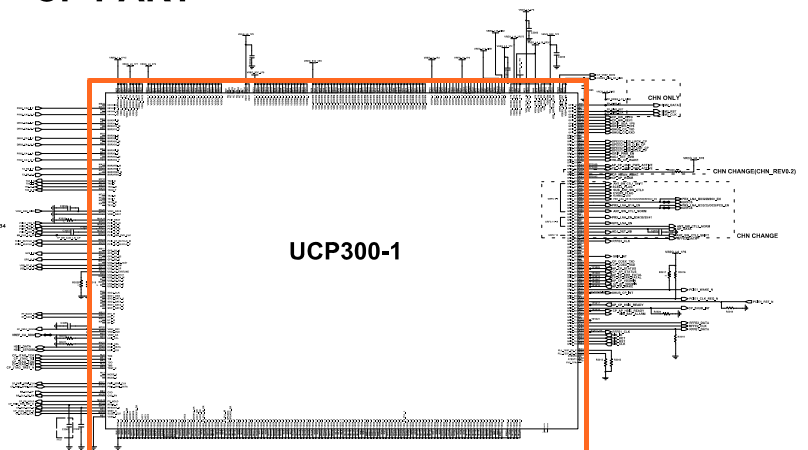
8-3-27. LTE 7 RX

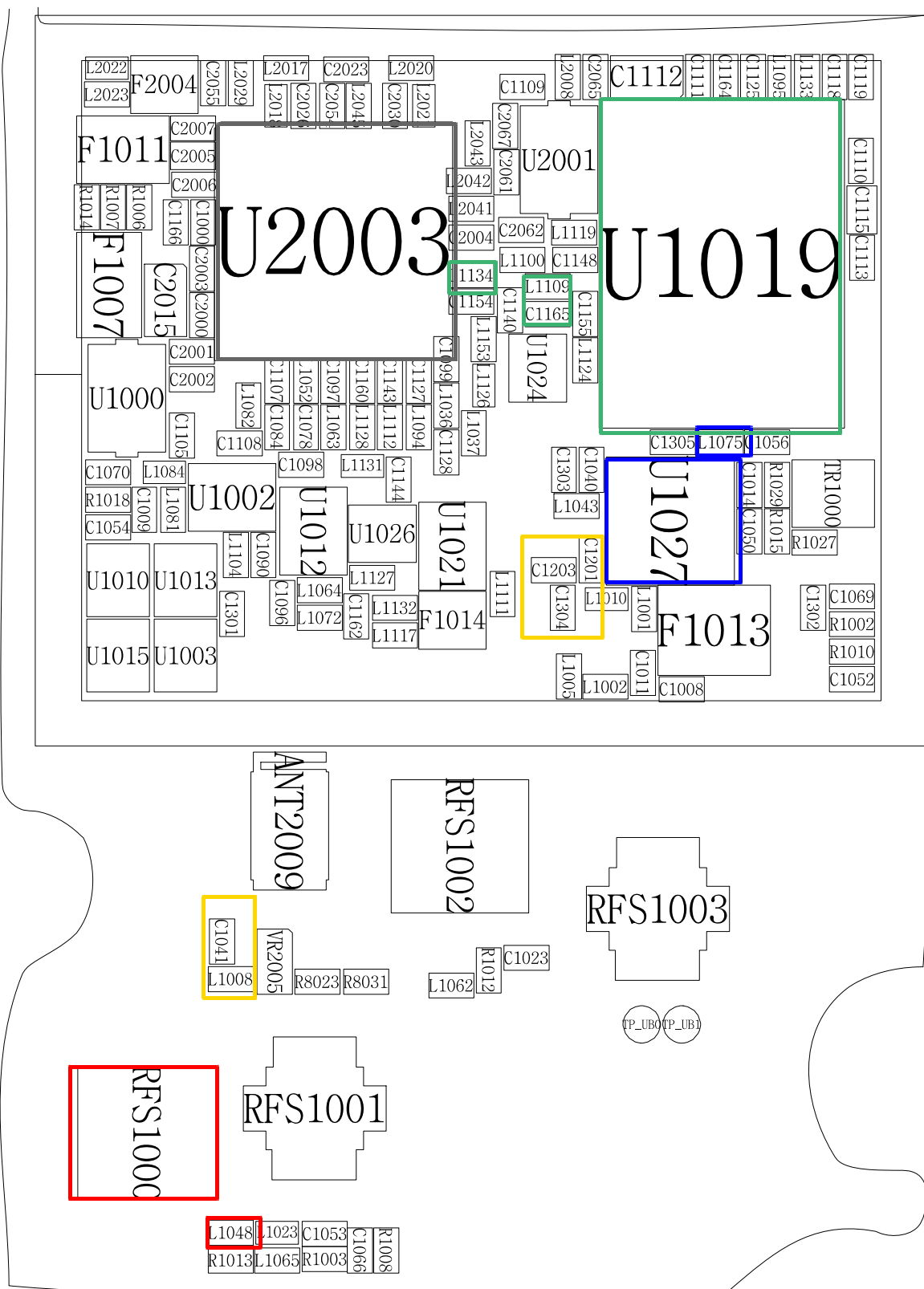




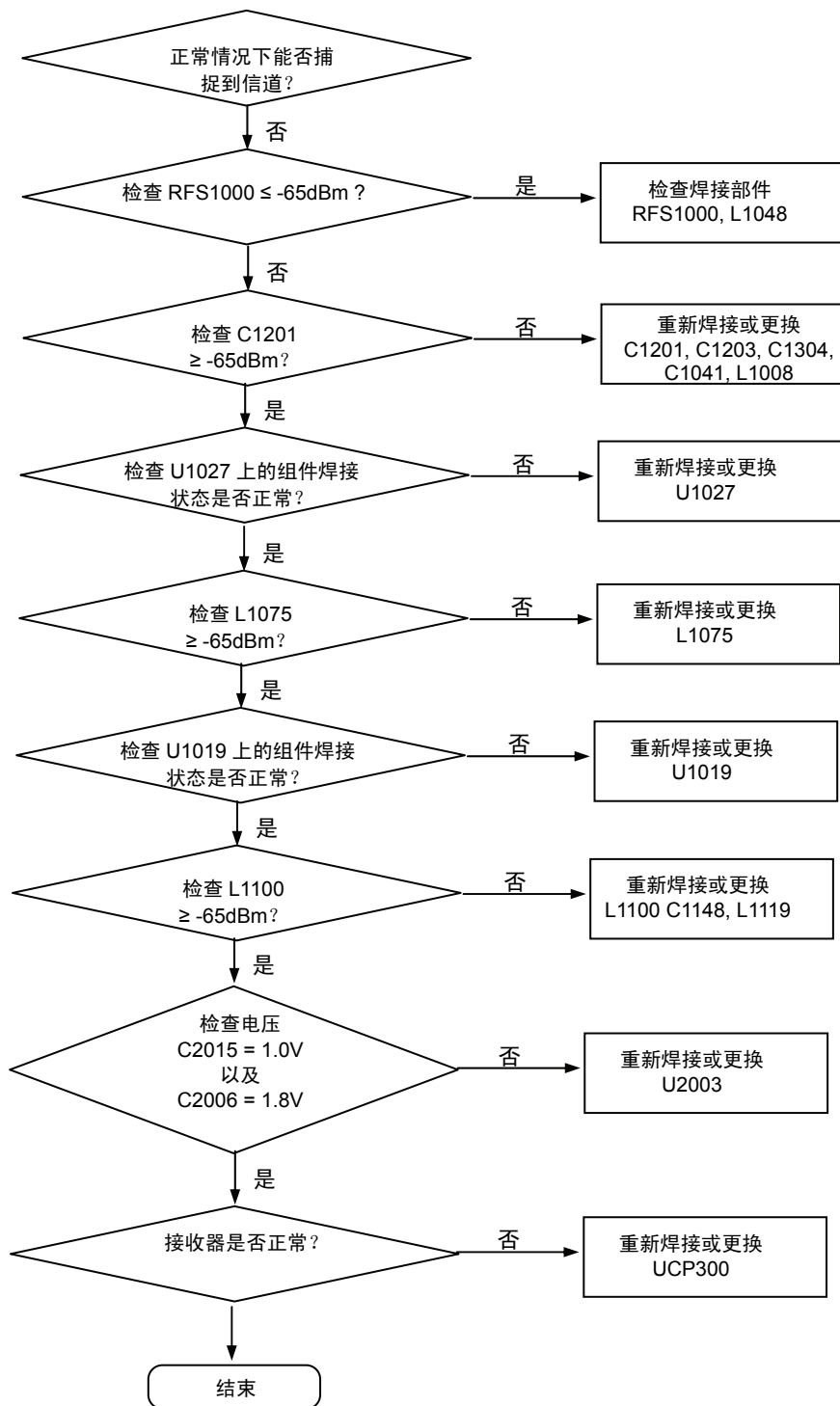


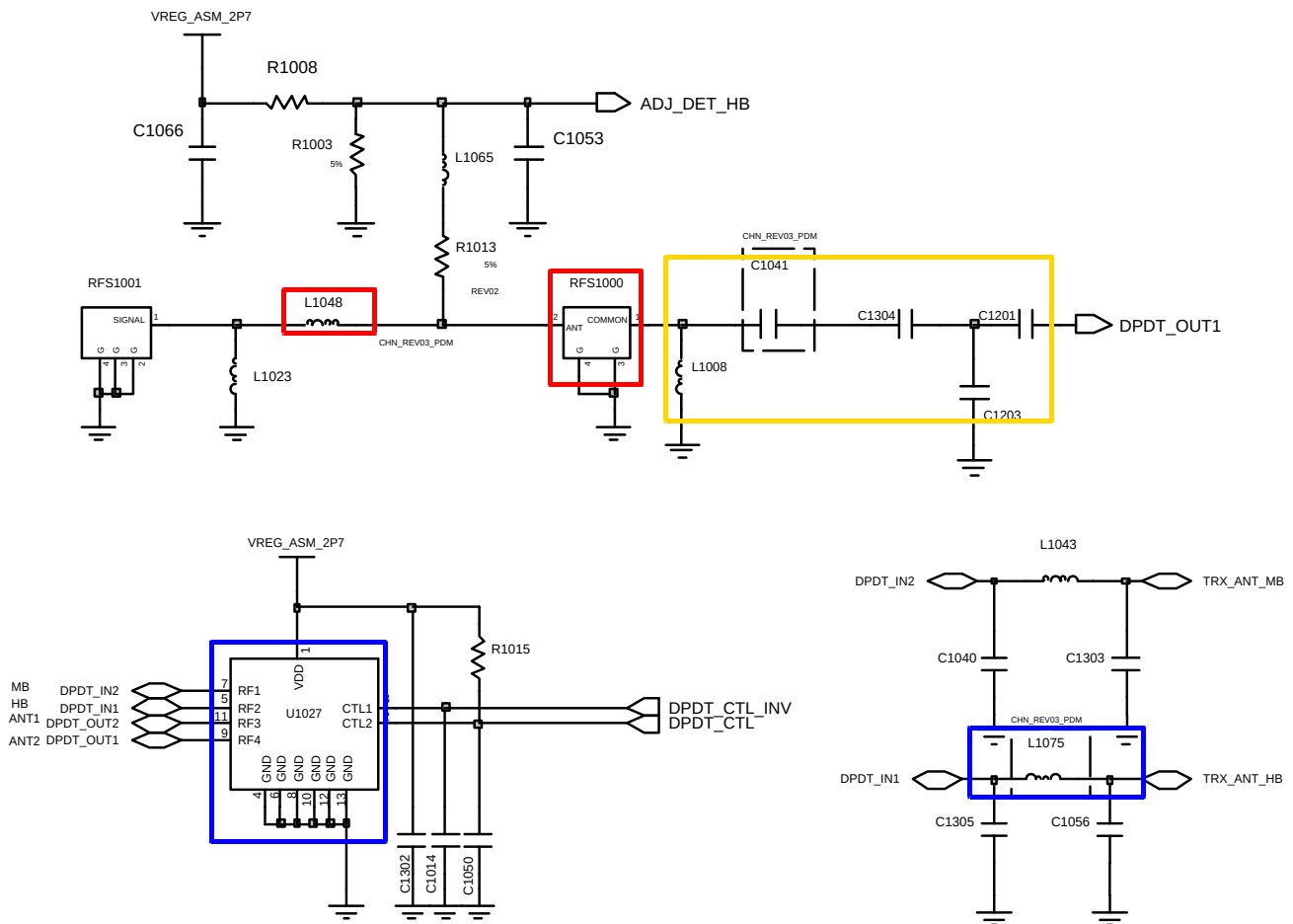
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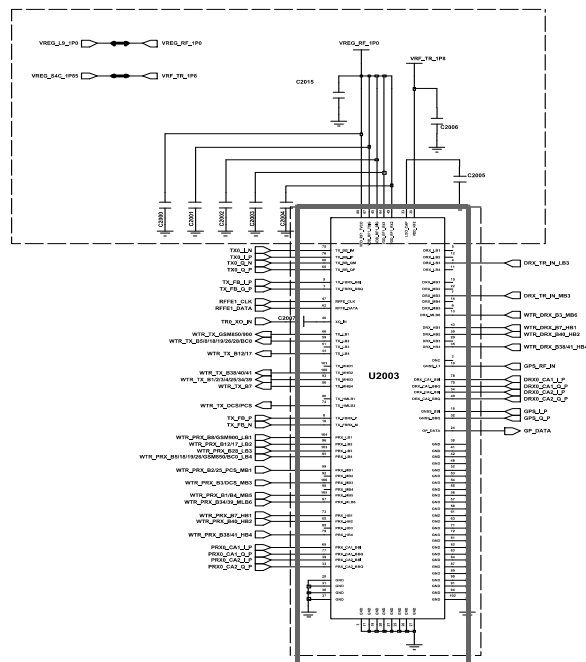
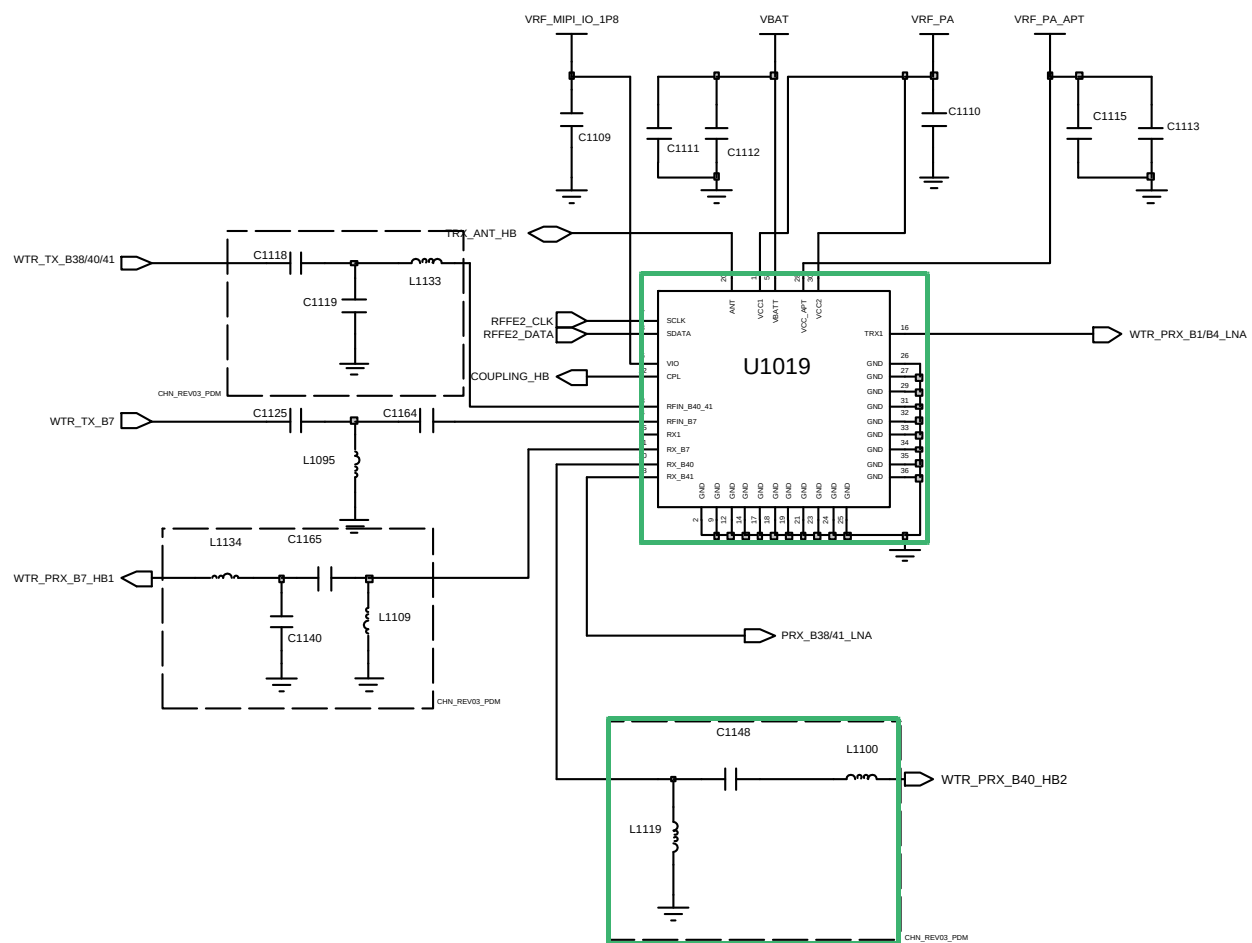




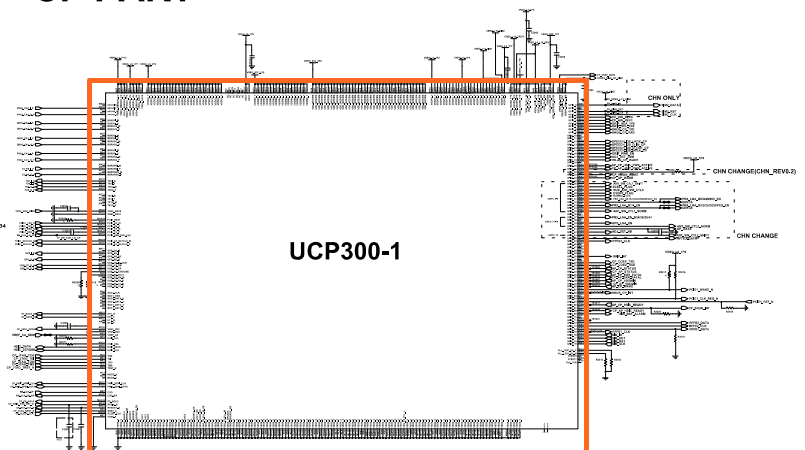
3-4-28. LTE 40 RX

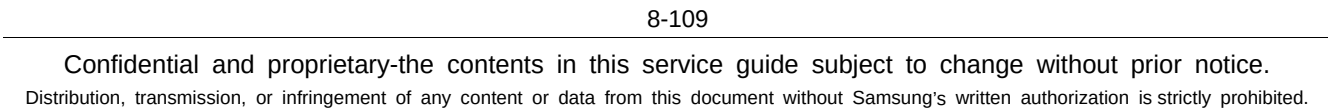


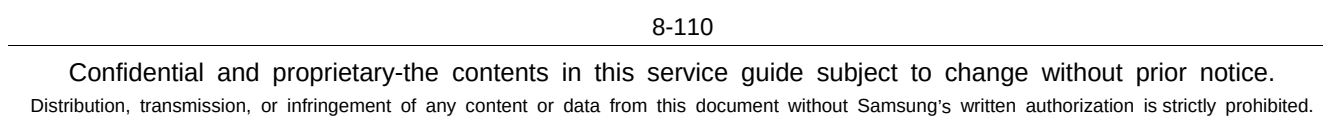




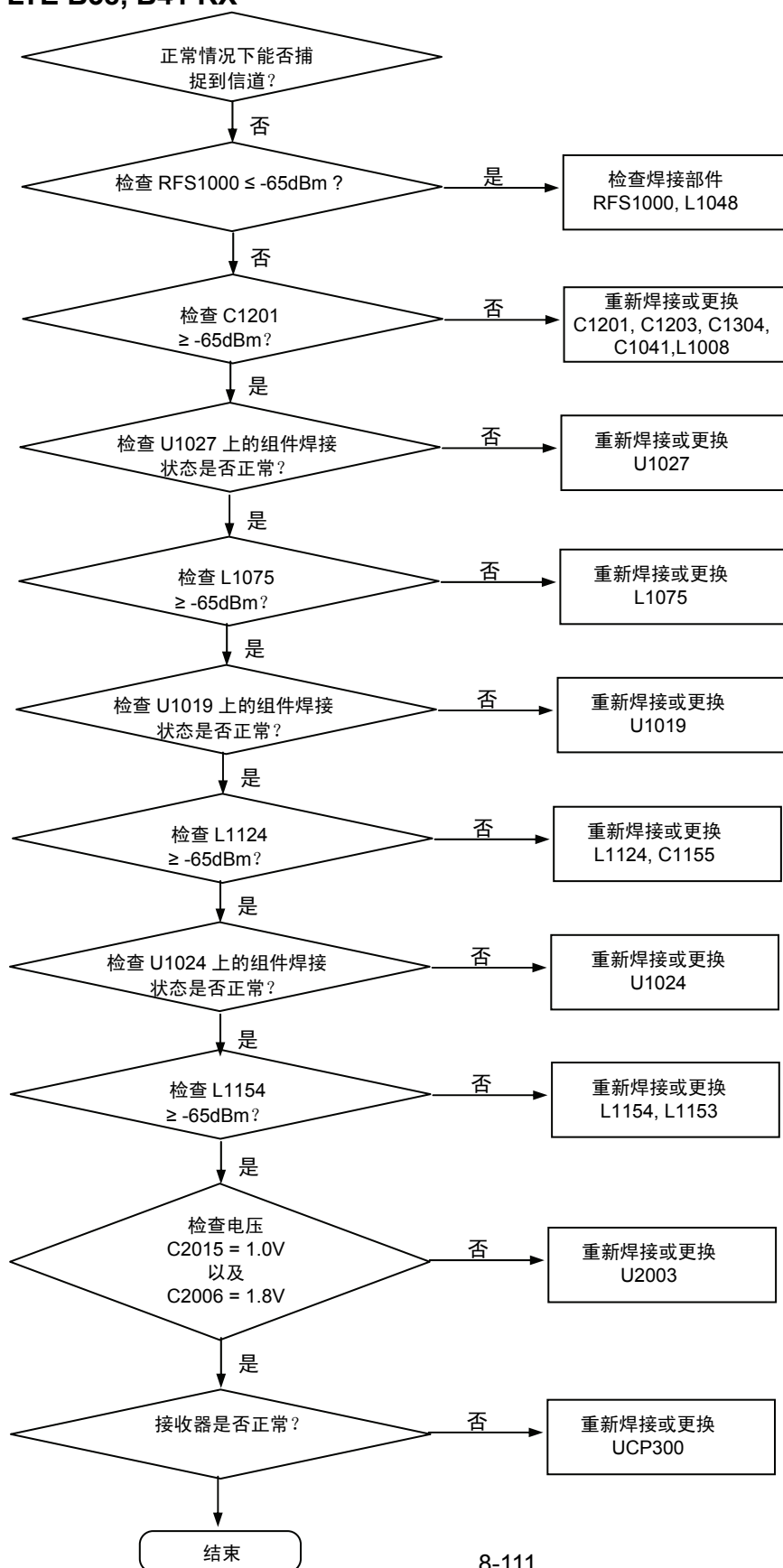
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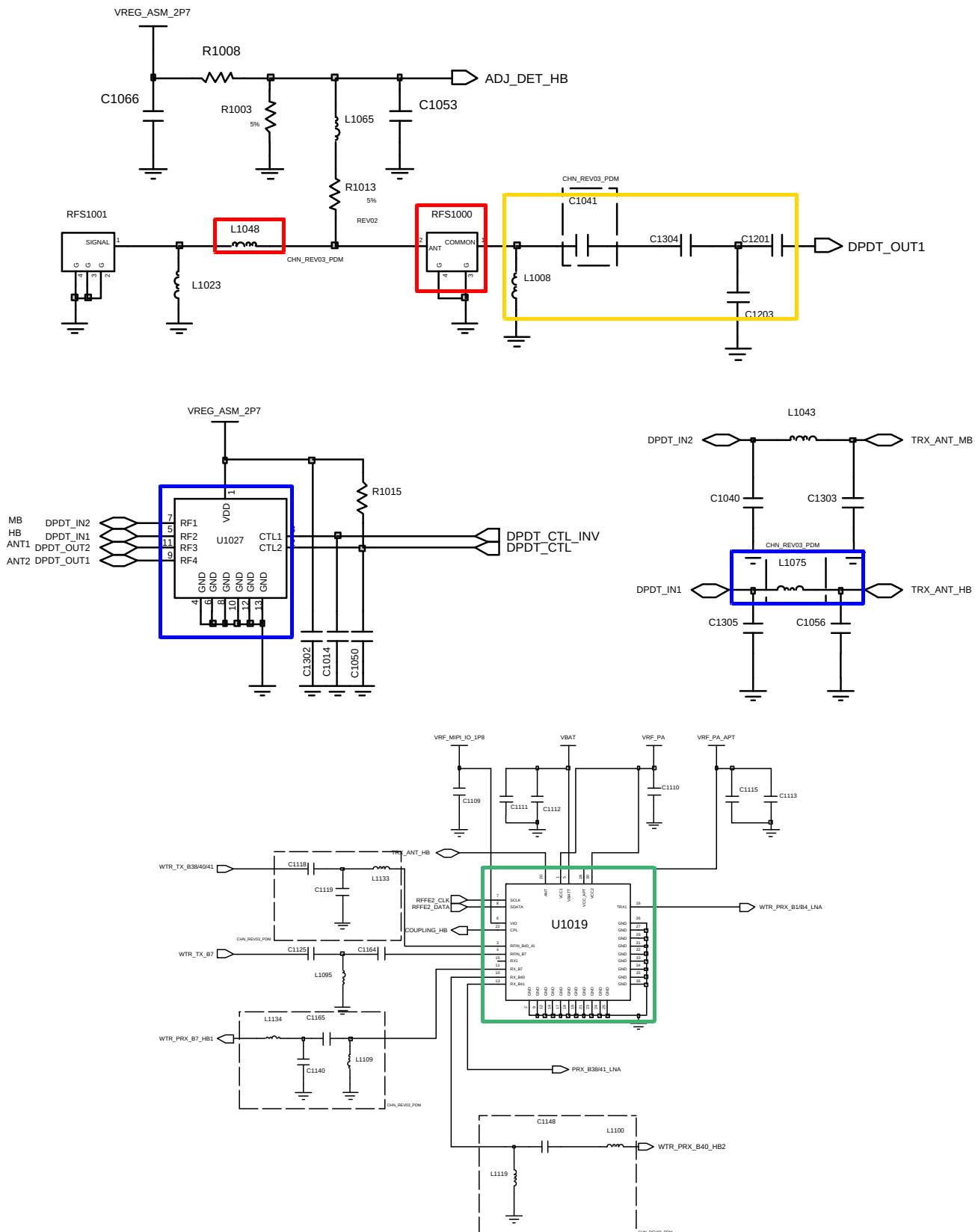


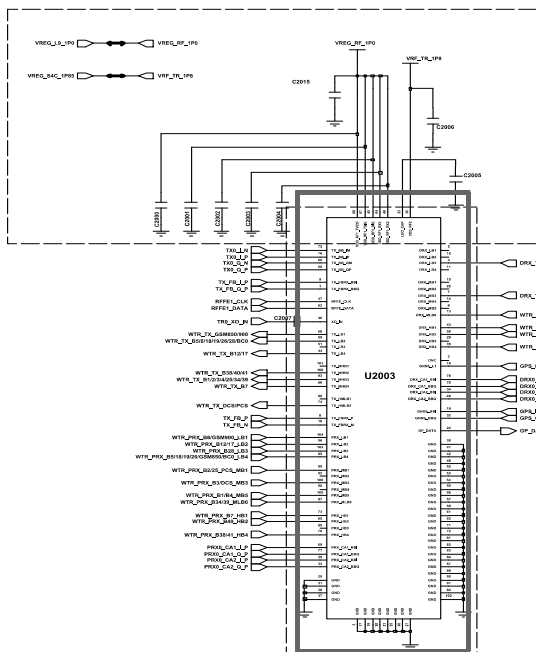
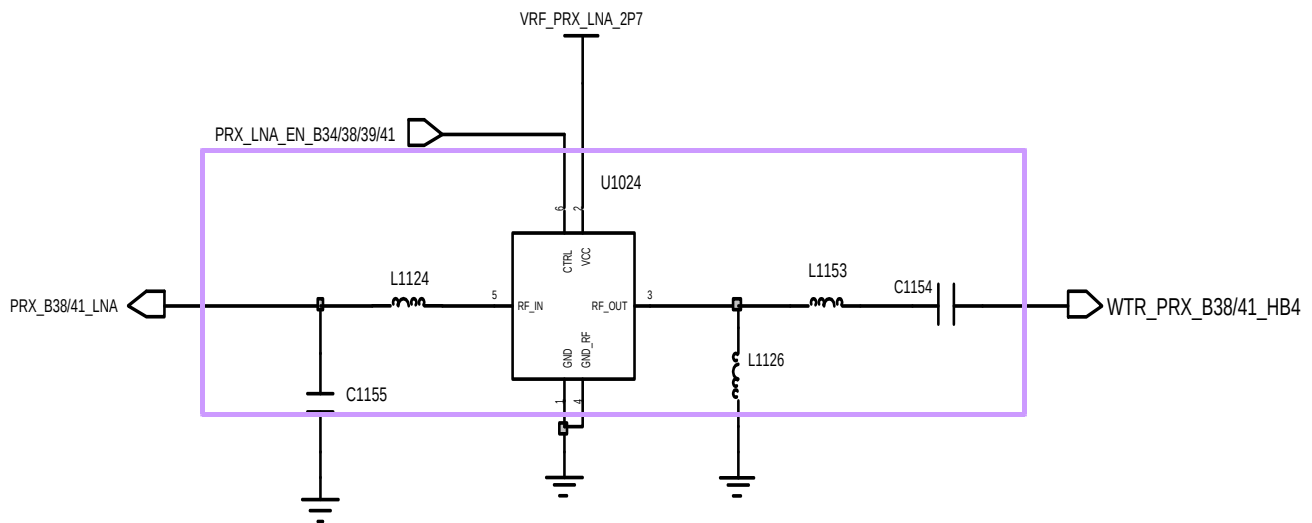




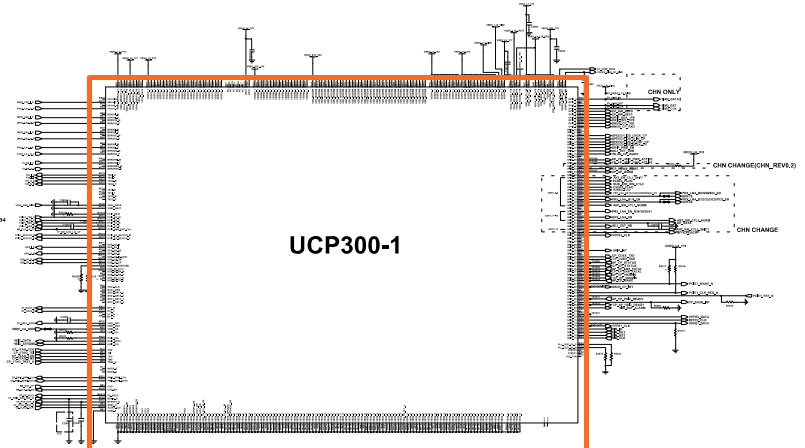
3-4-29. LTE B38, B41 RX

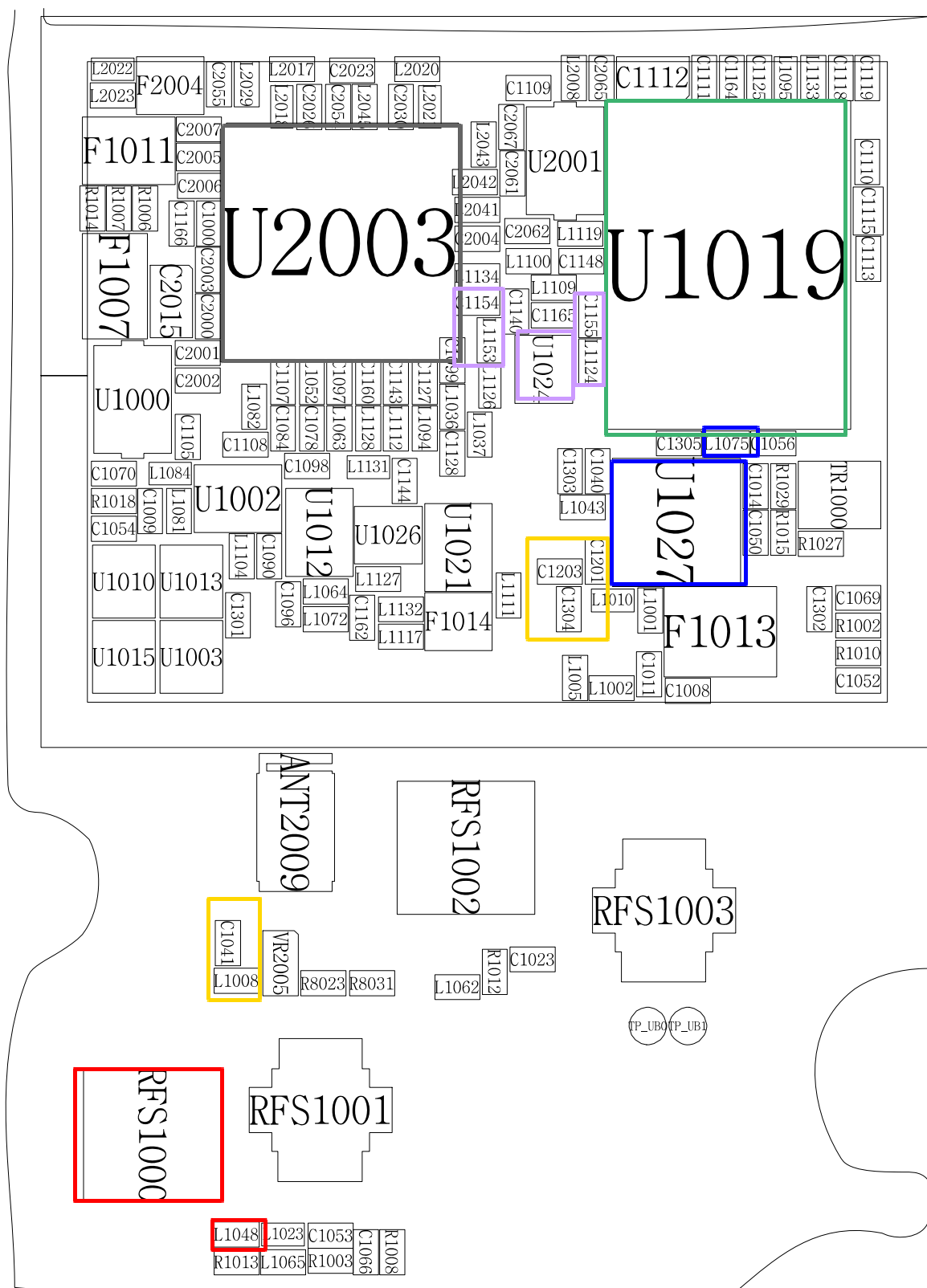


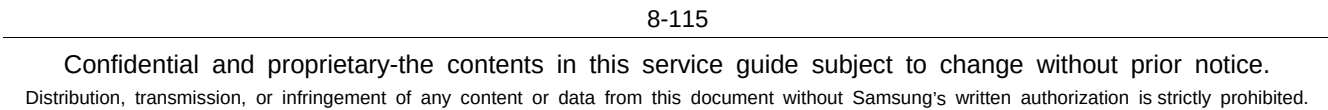




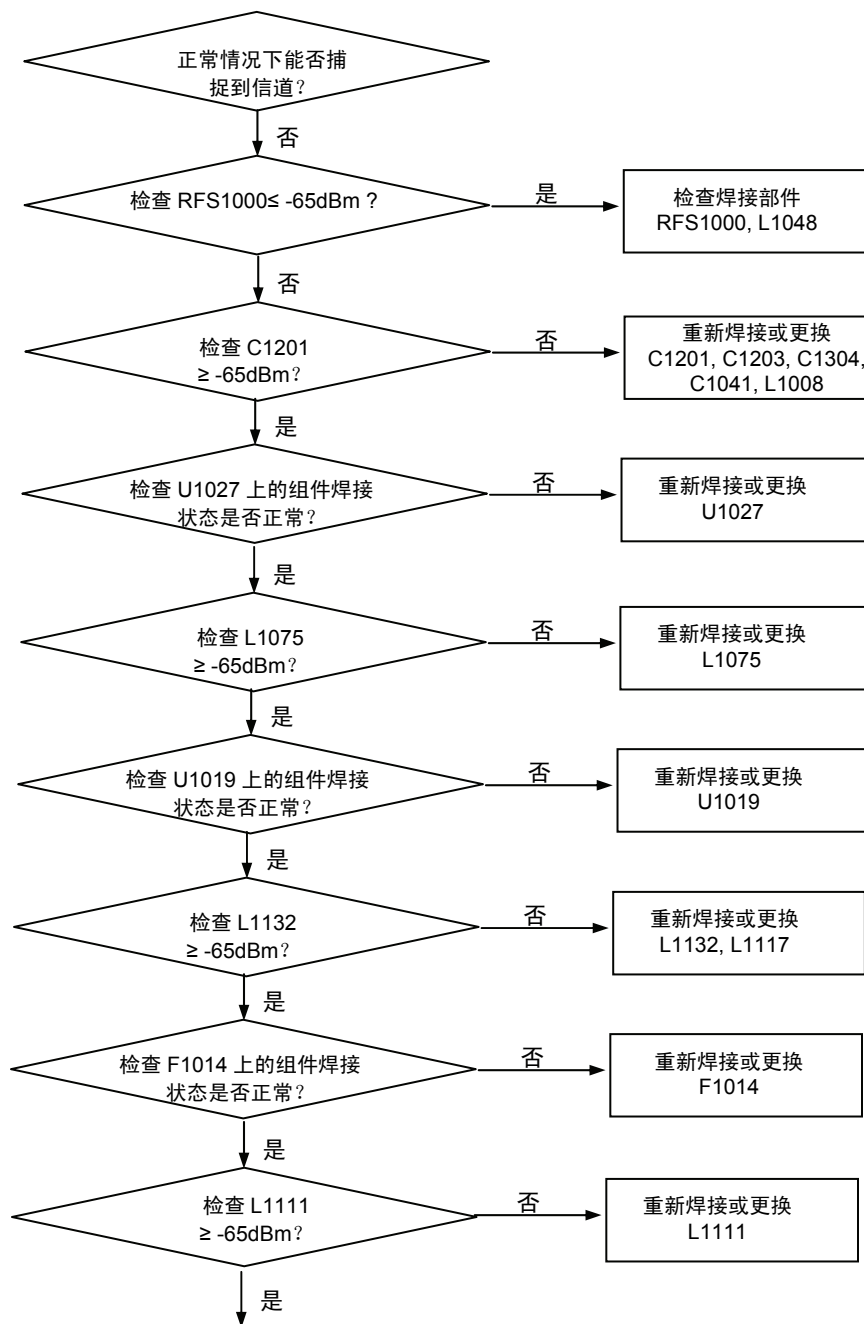
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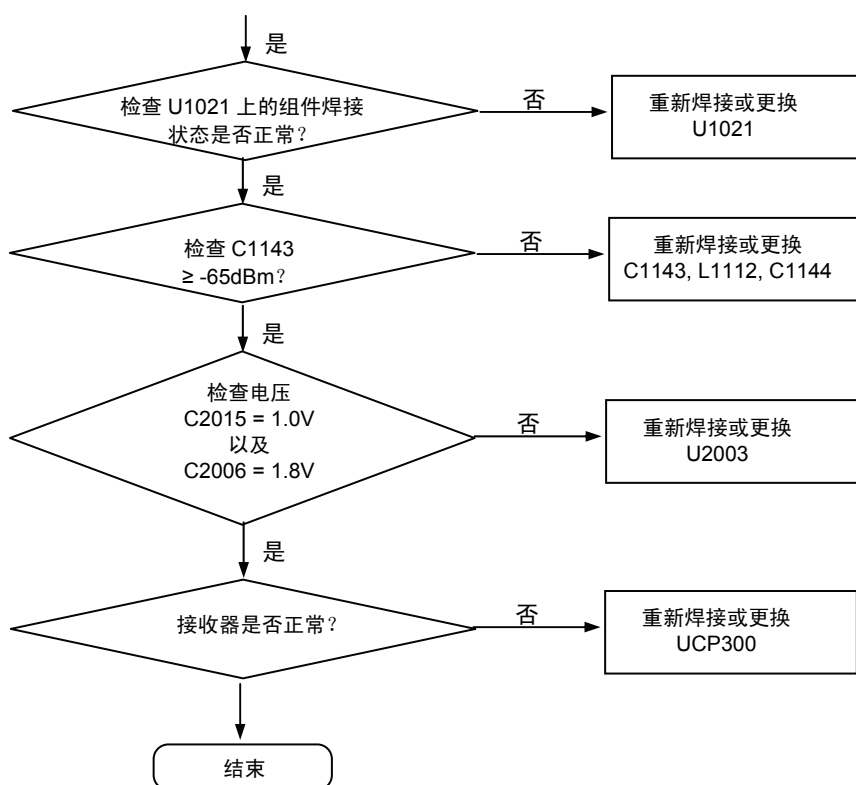


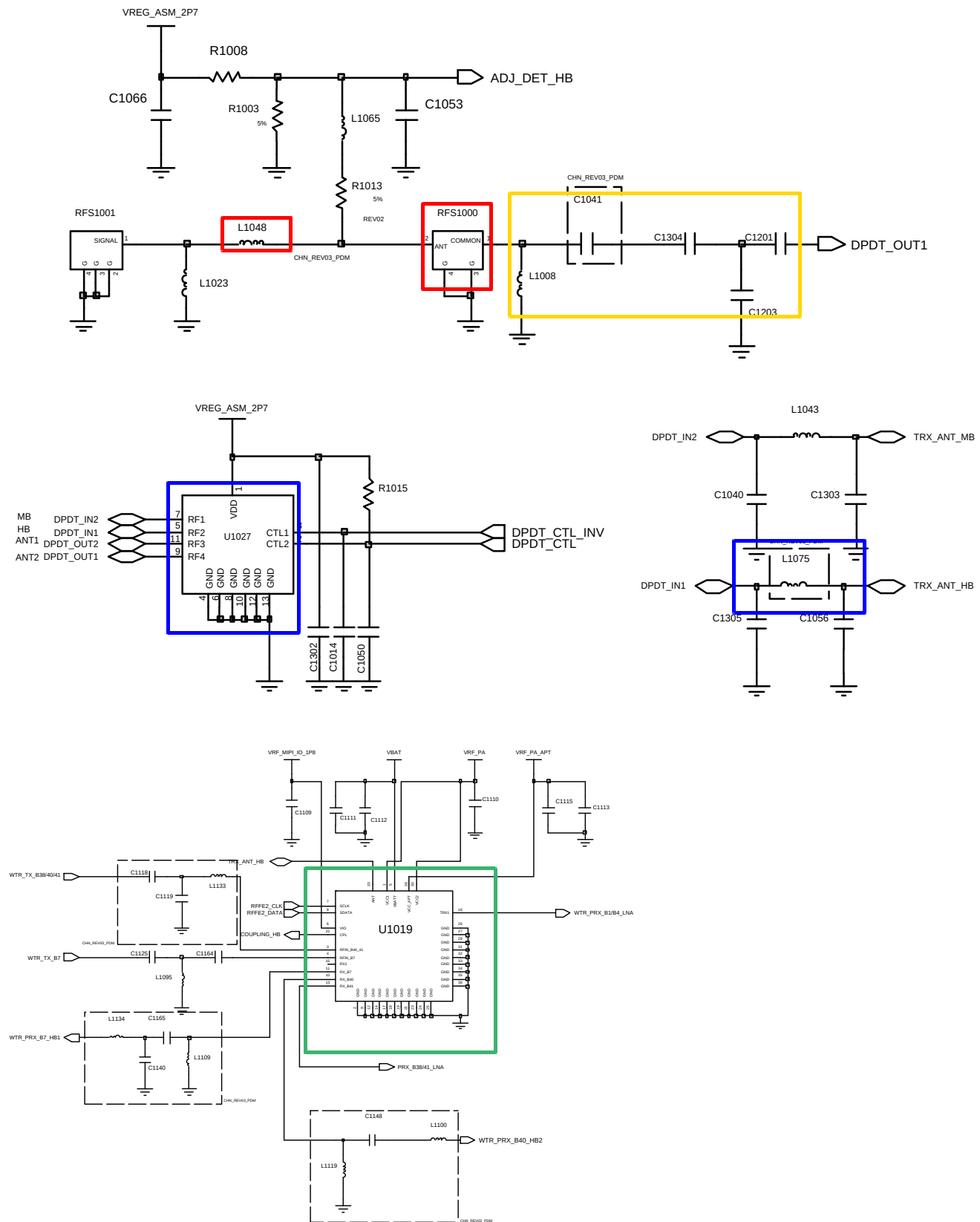


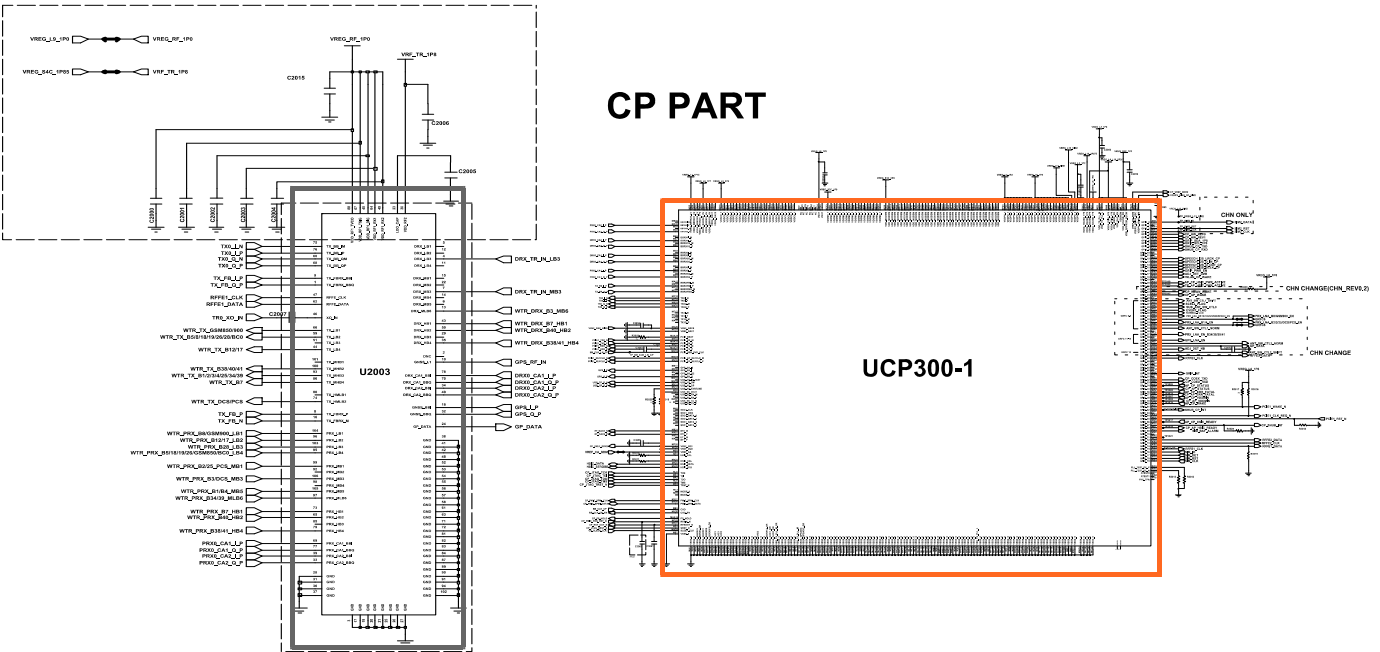


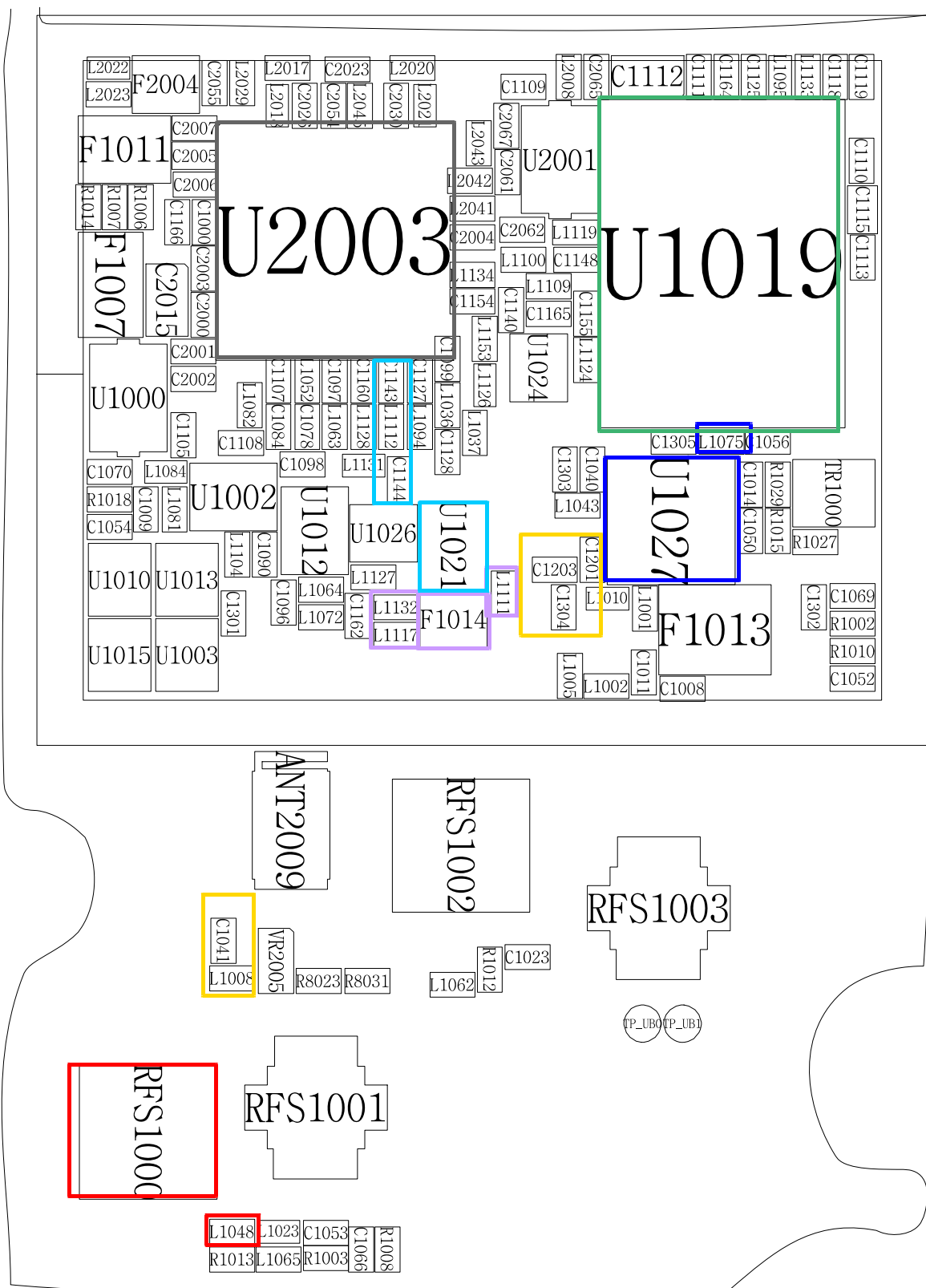
3-4-30. WCDMA B1 / LTE B1, B4 RX

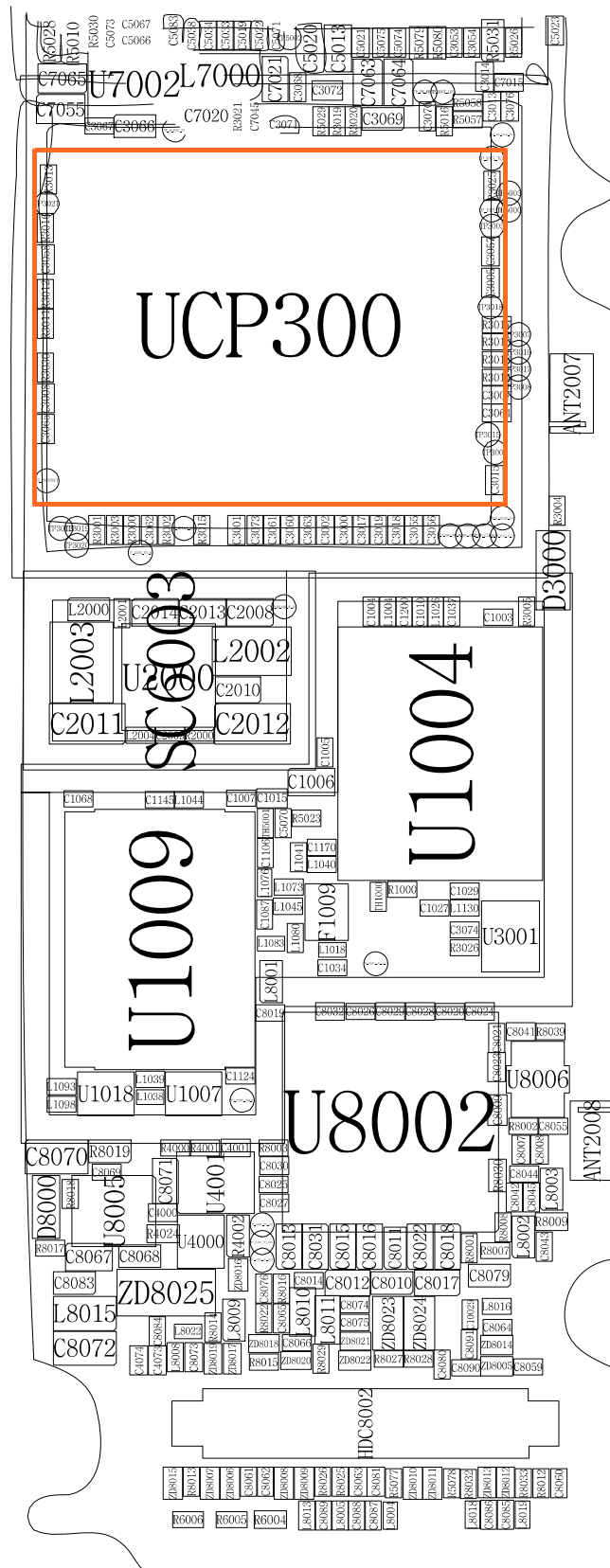




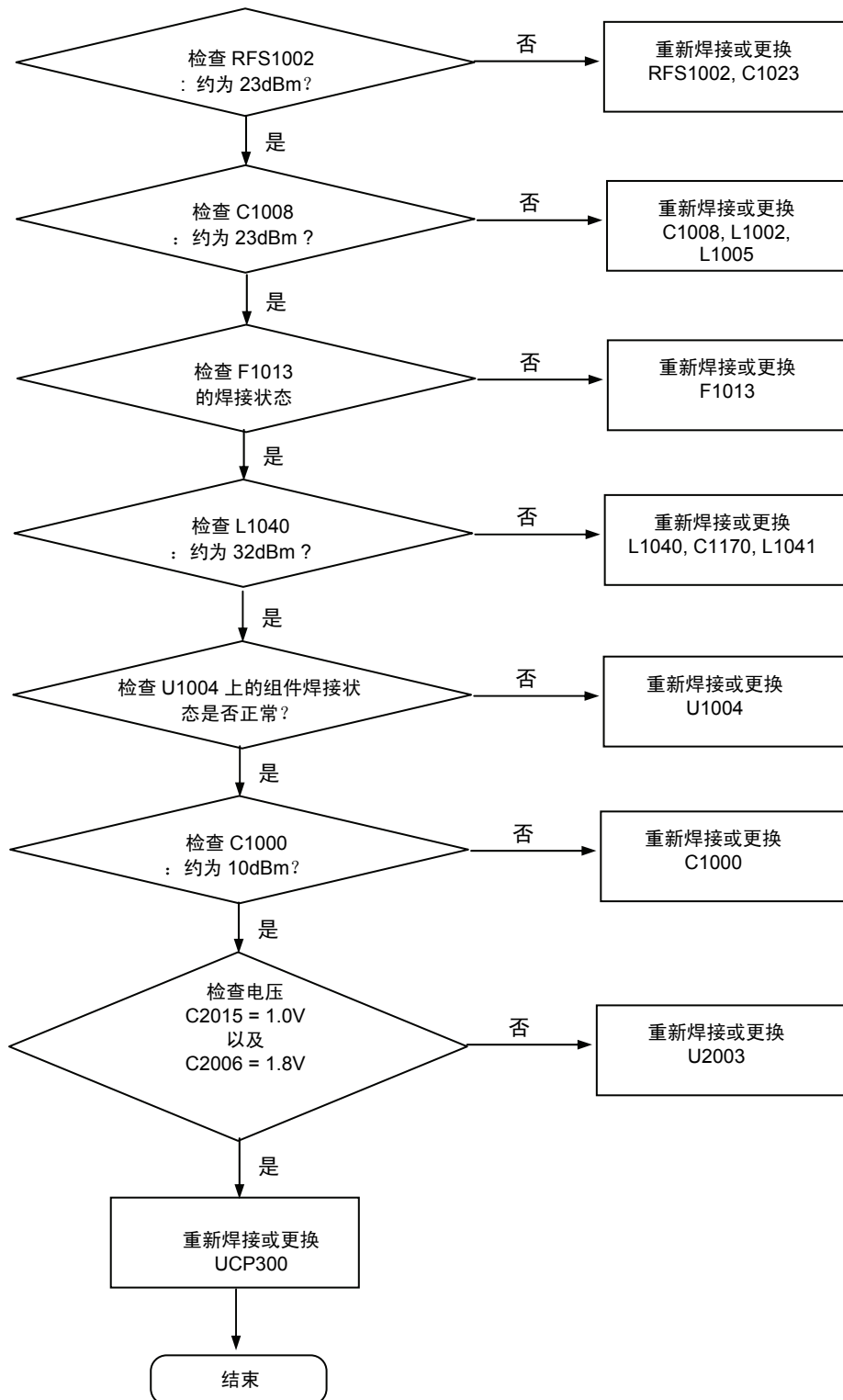


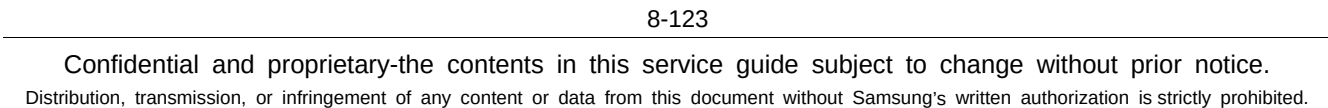


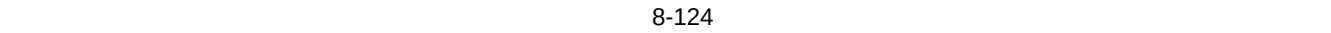


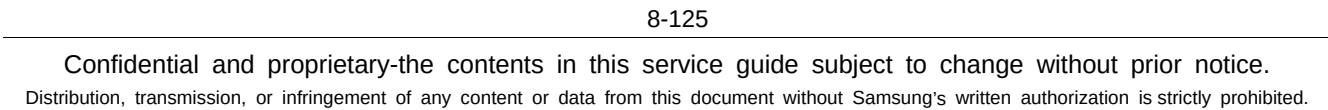


3-4-31. GSM850 / GSM900 TX

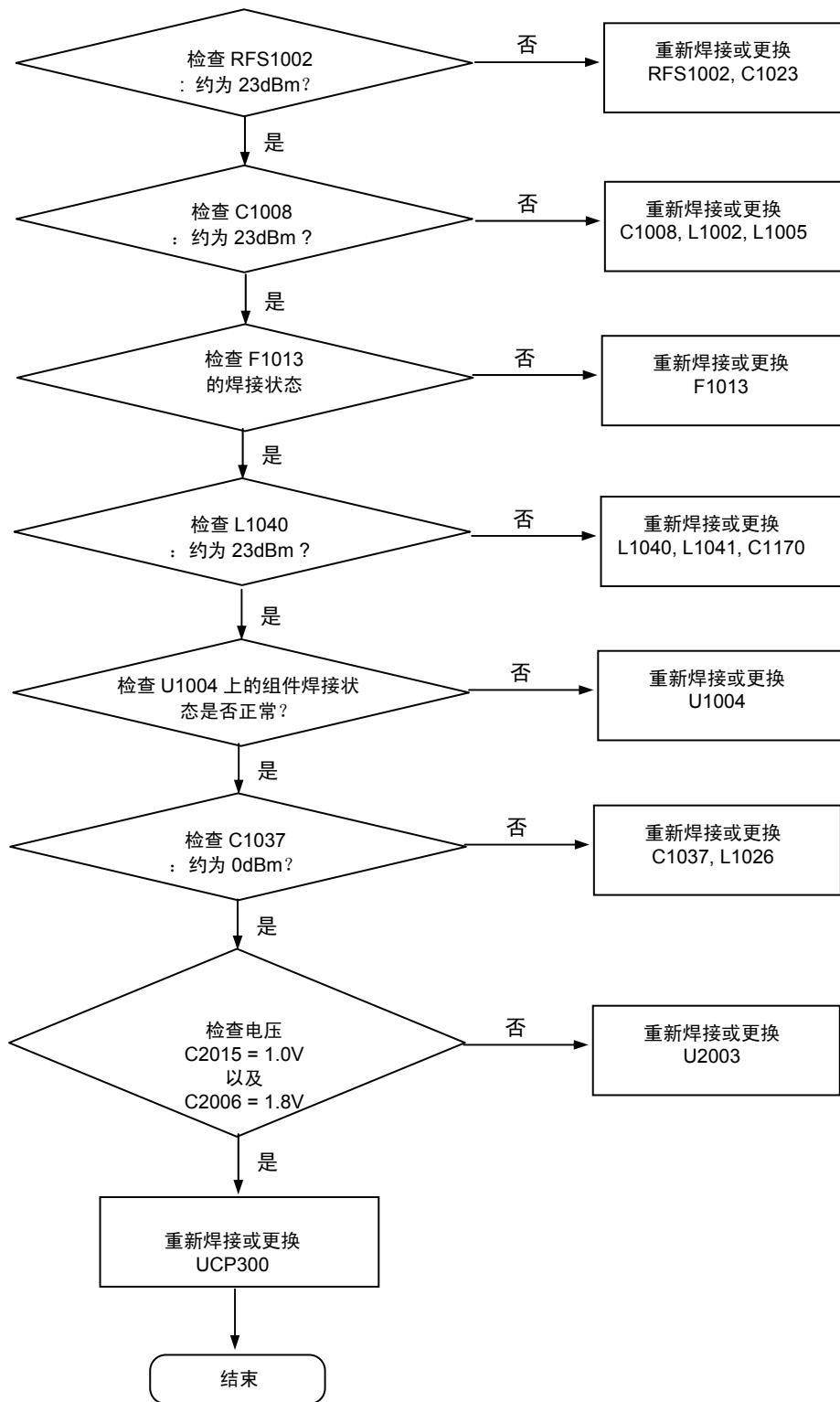


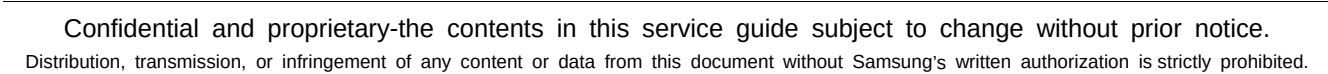


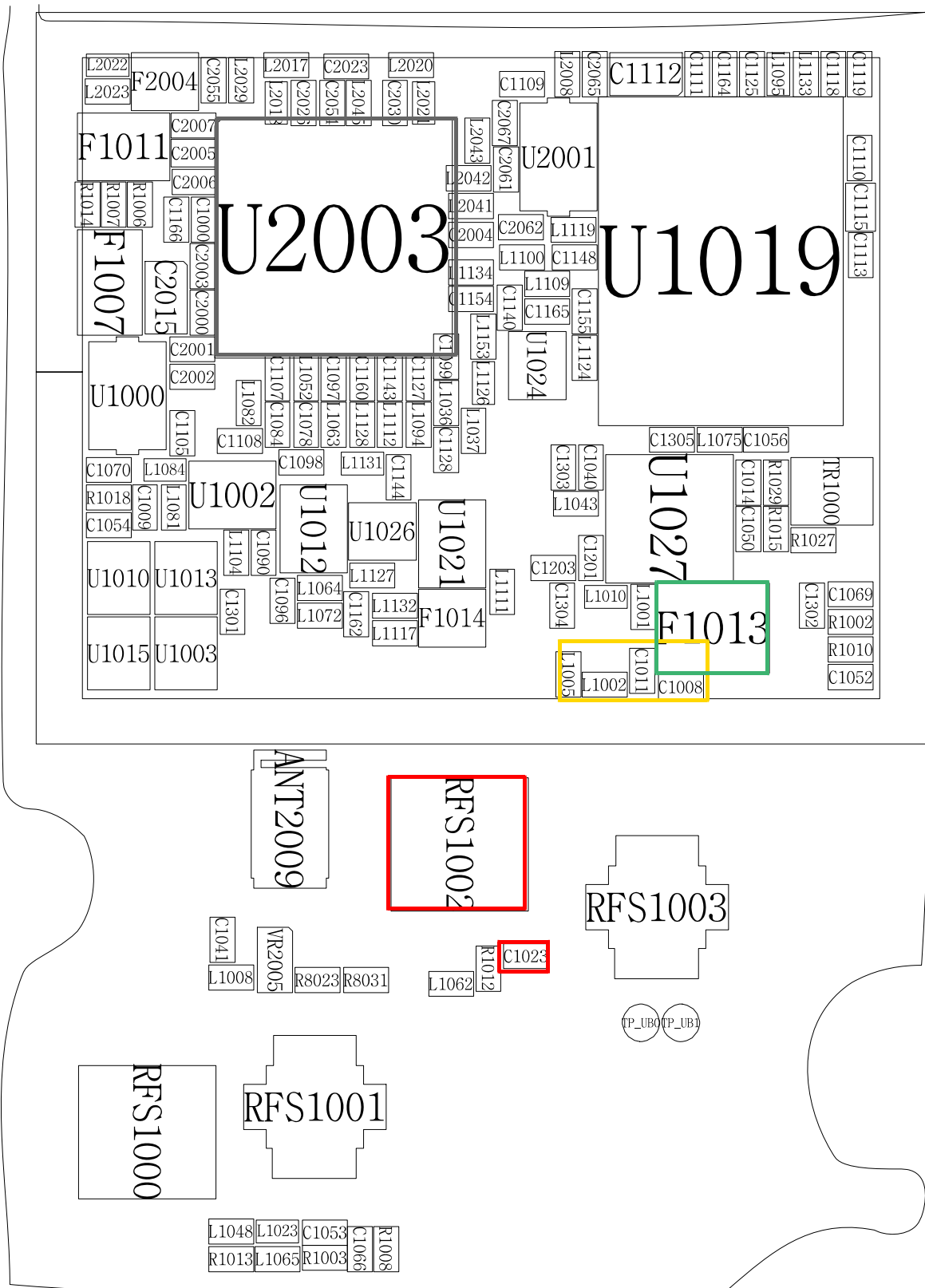




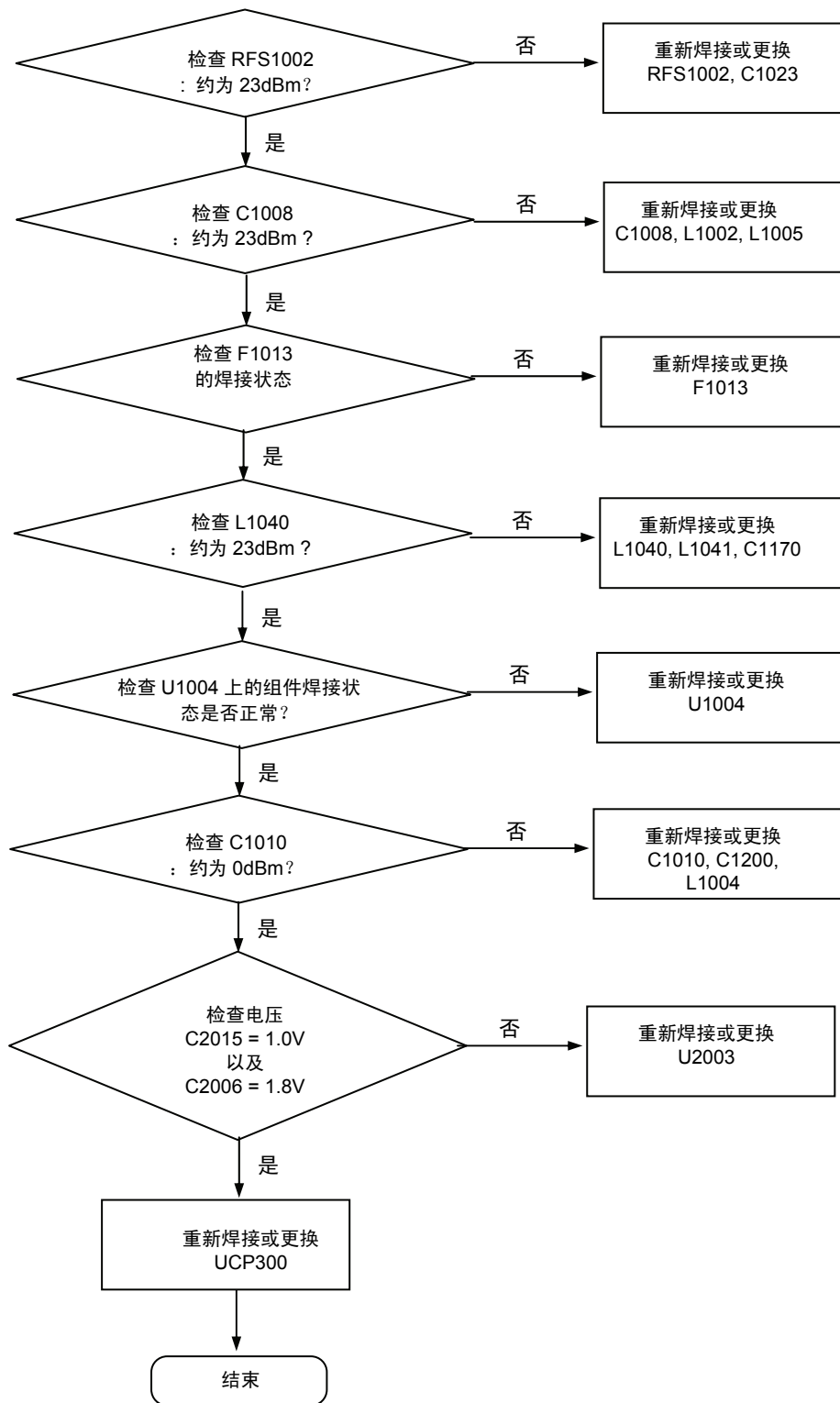
3-4-32. CDMA BC0 / WCDMA B5, B8 / LTE B5, B8, B18, B19, B26, B28 TX

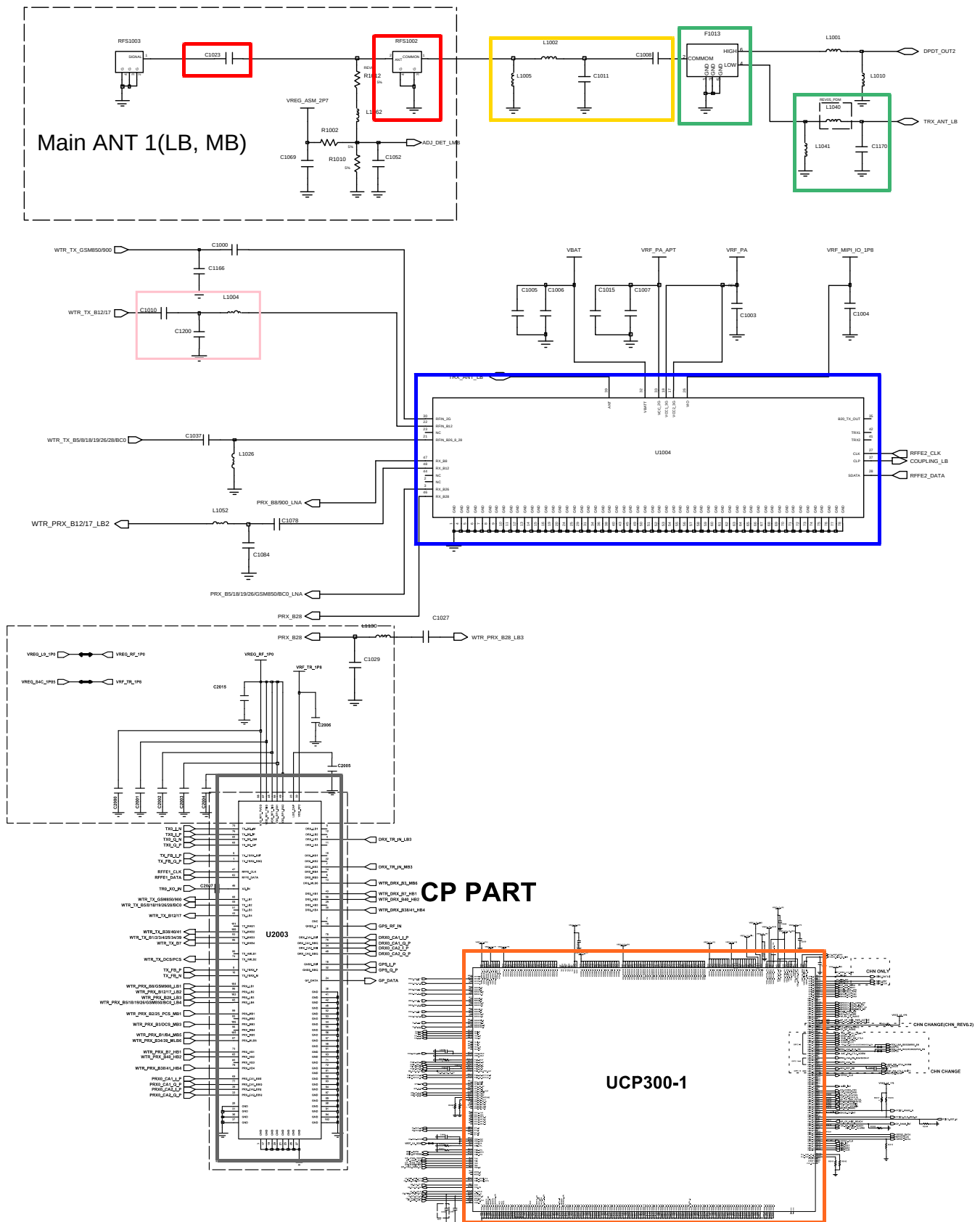


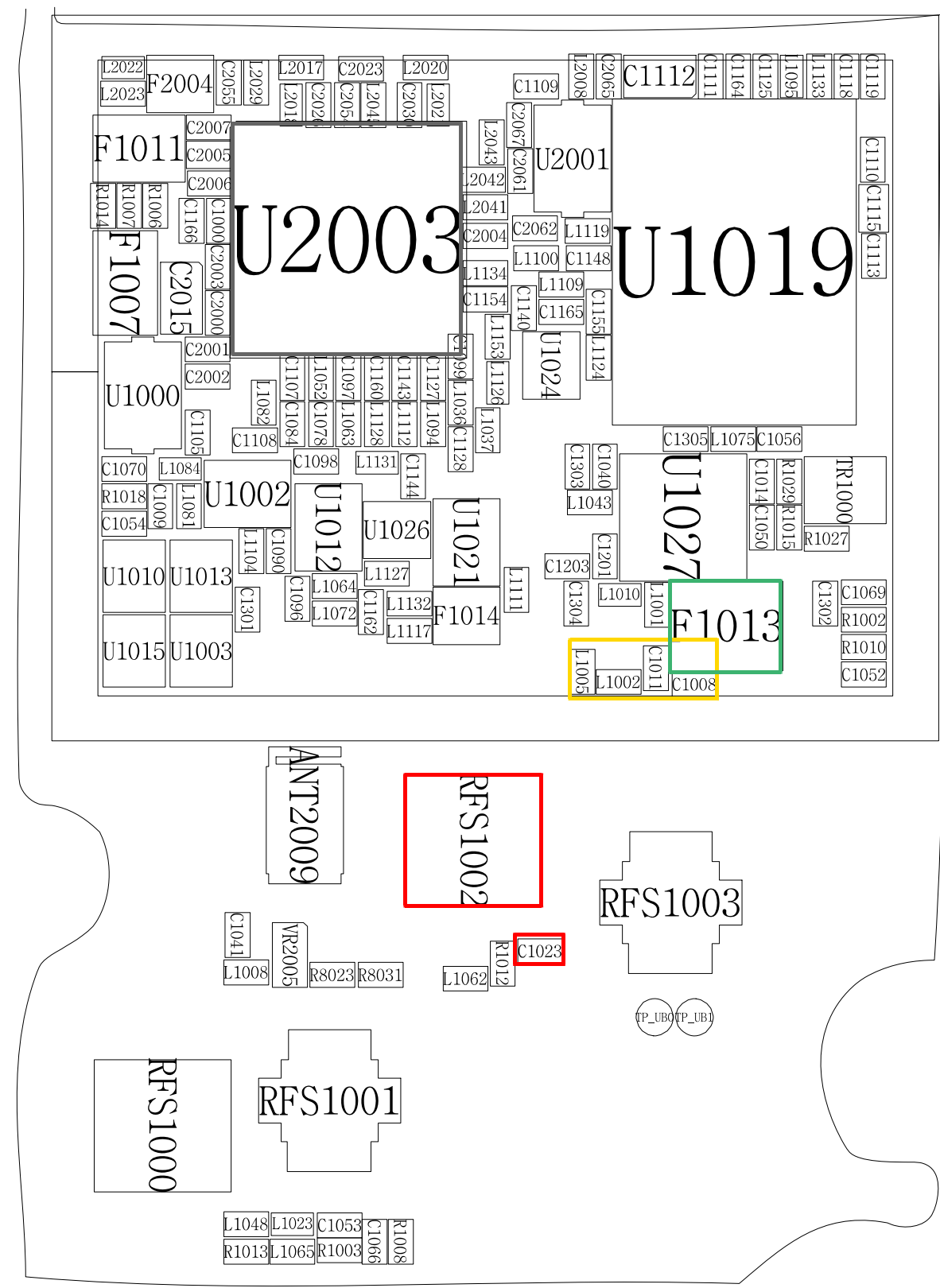


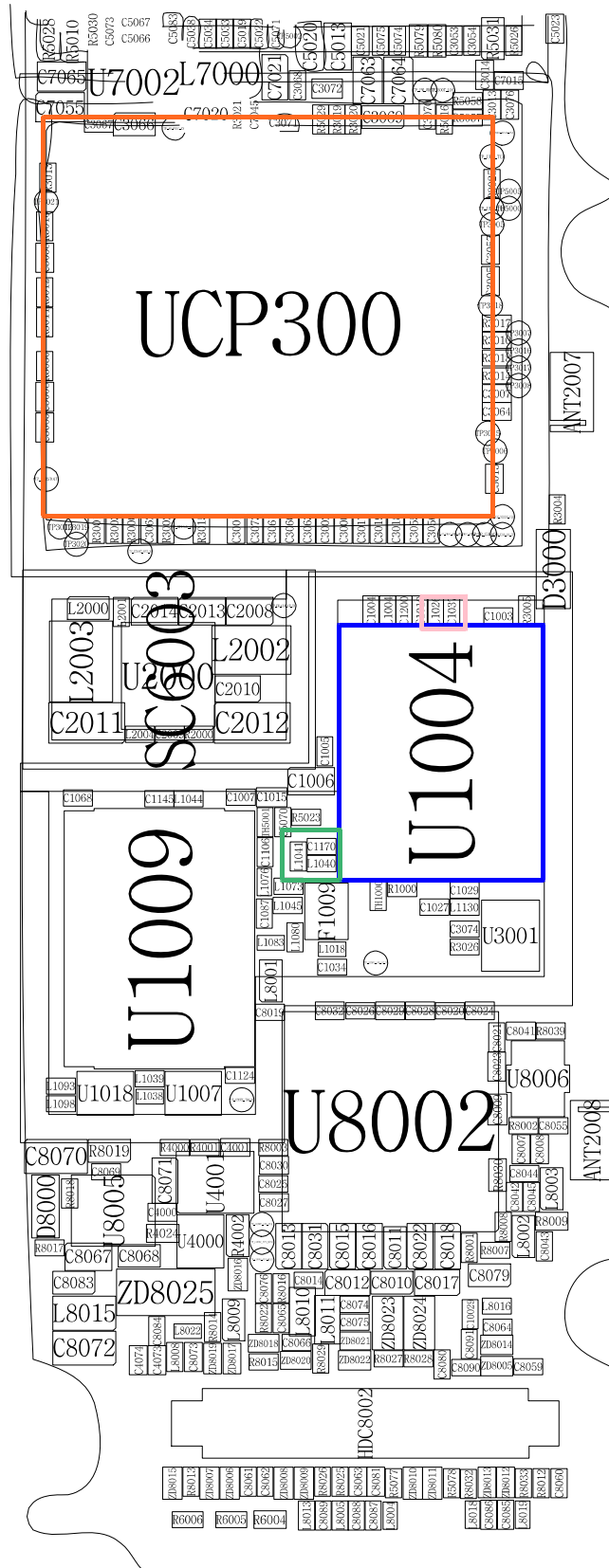


3-4-33. LTE B12, B17 TX

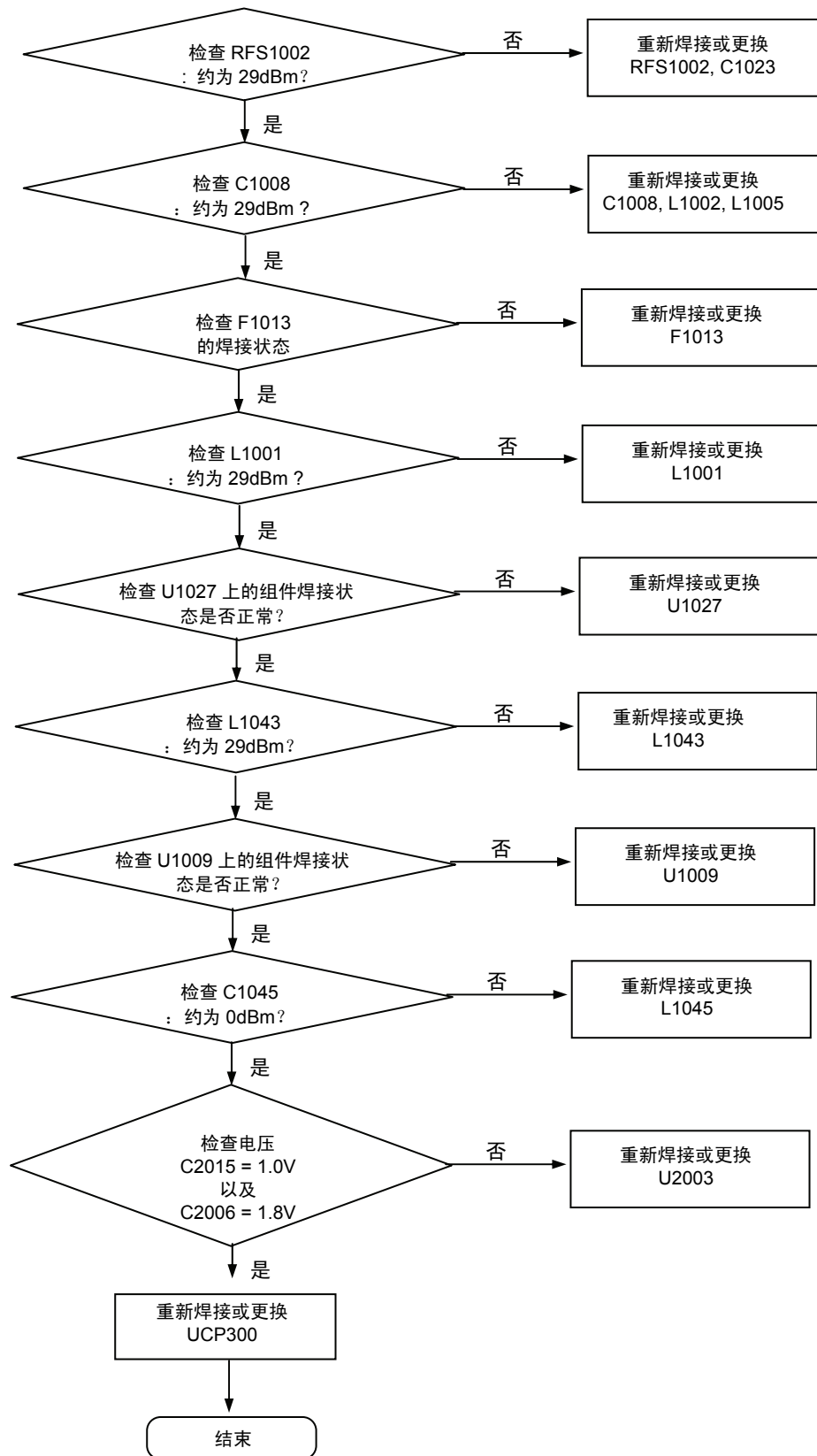


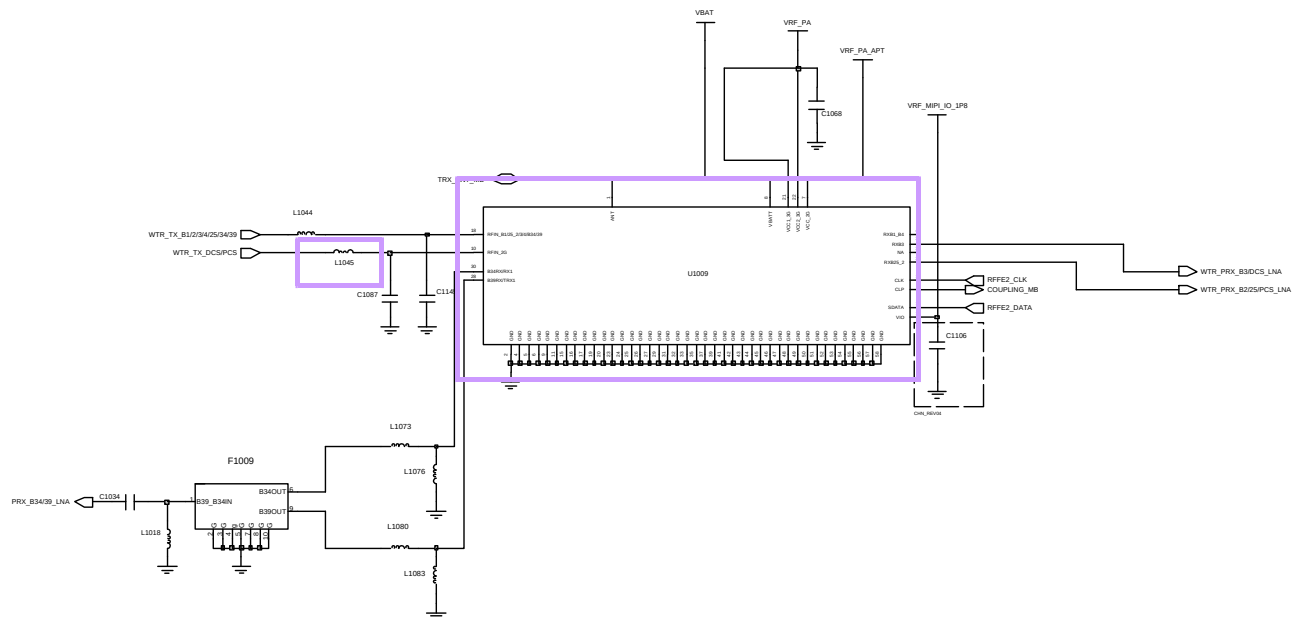
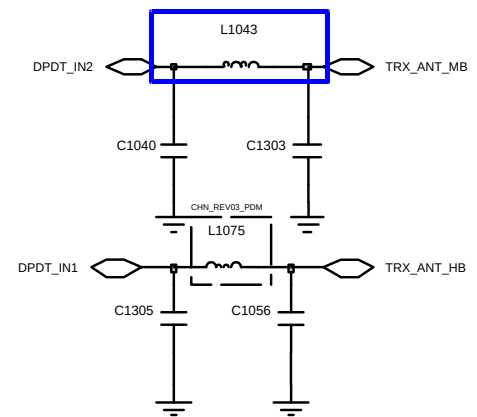
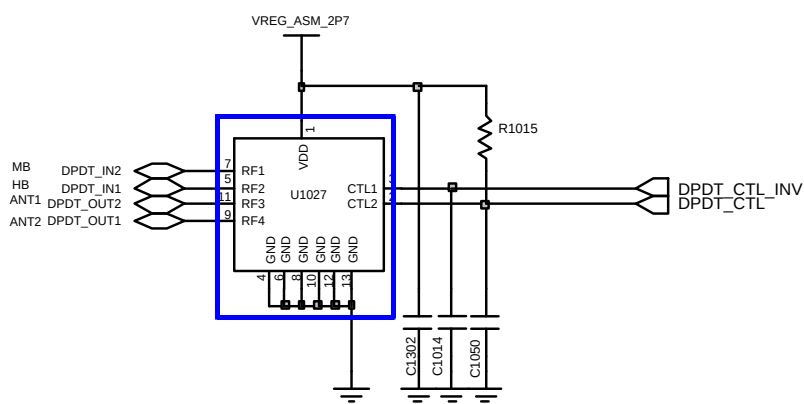
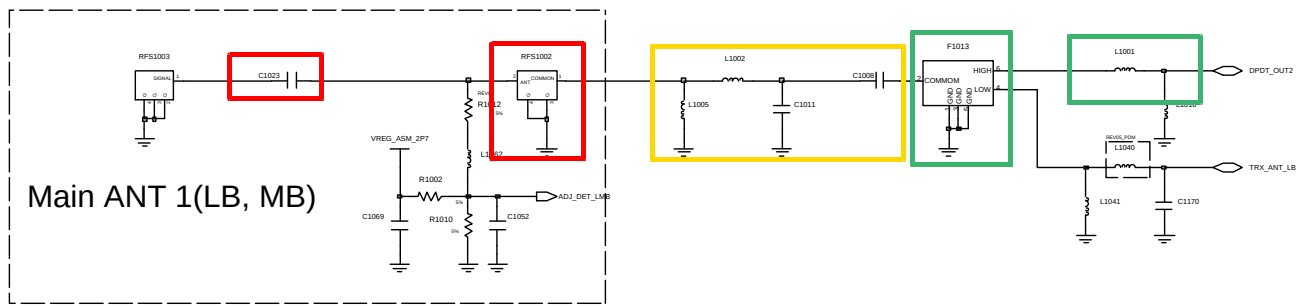


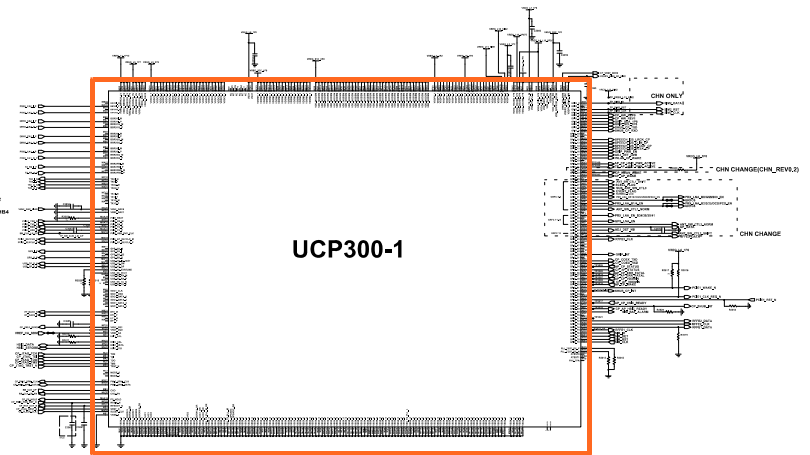


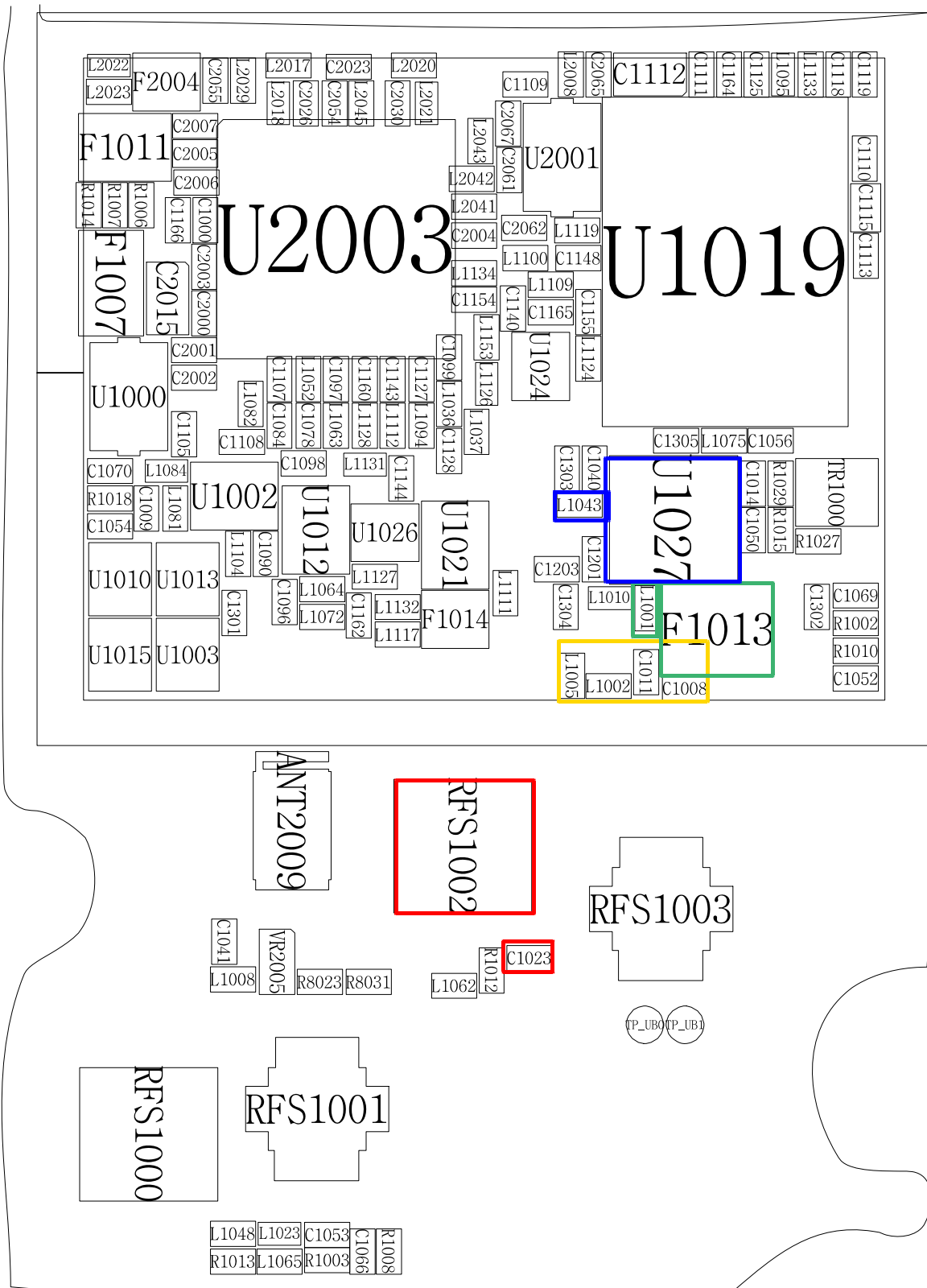


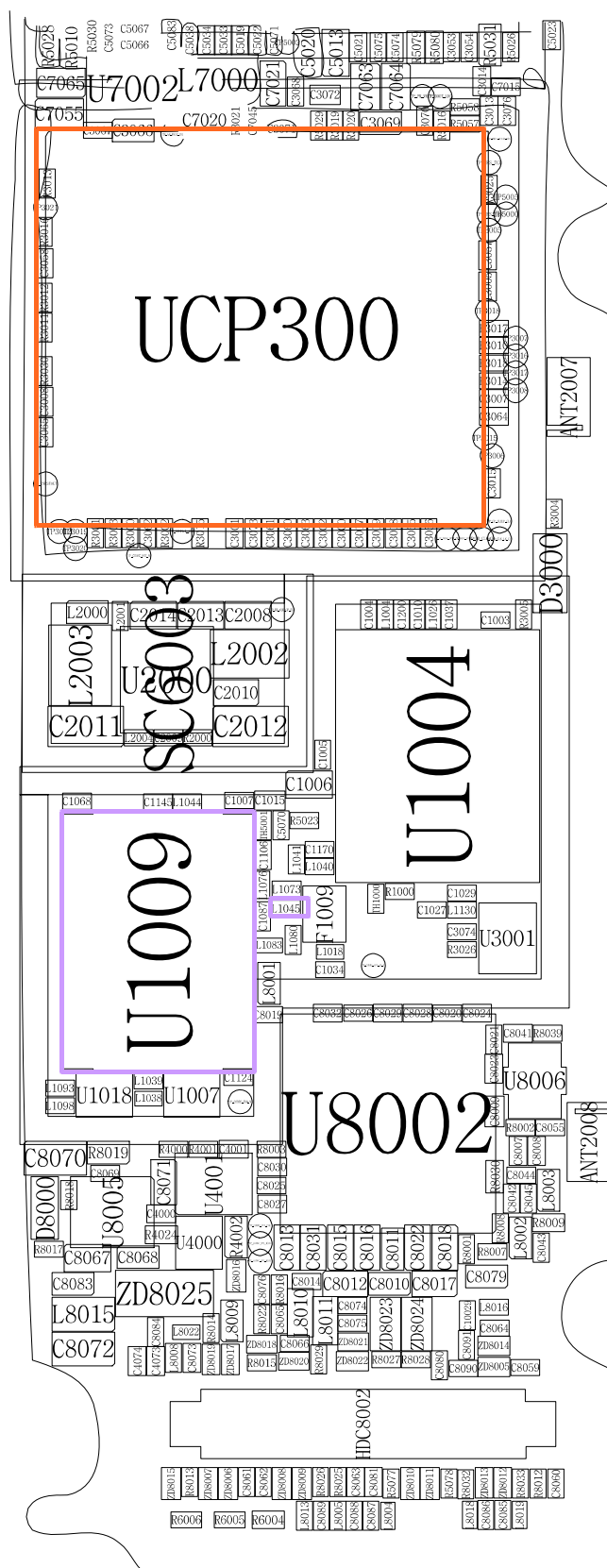
3-4-34. GSM1800, 1900 TX



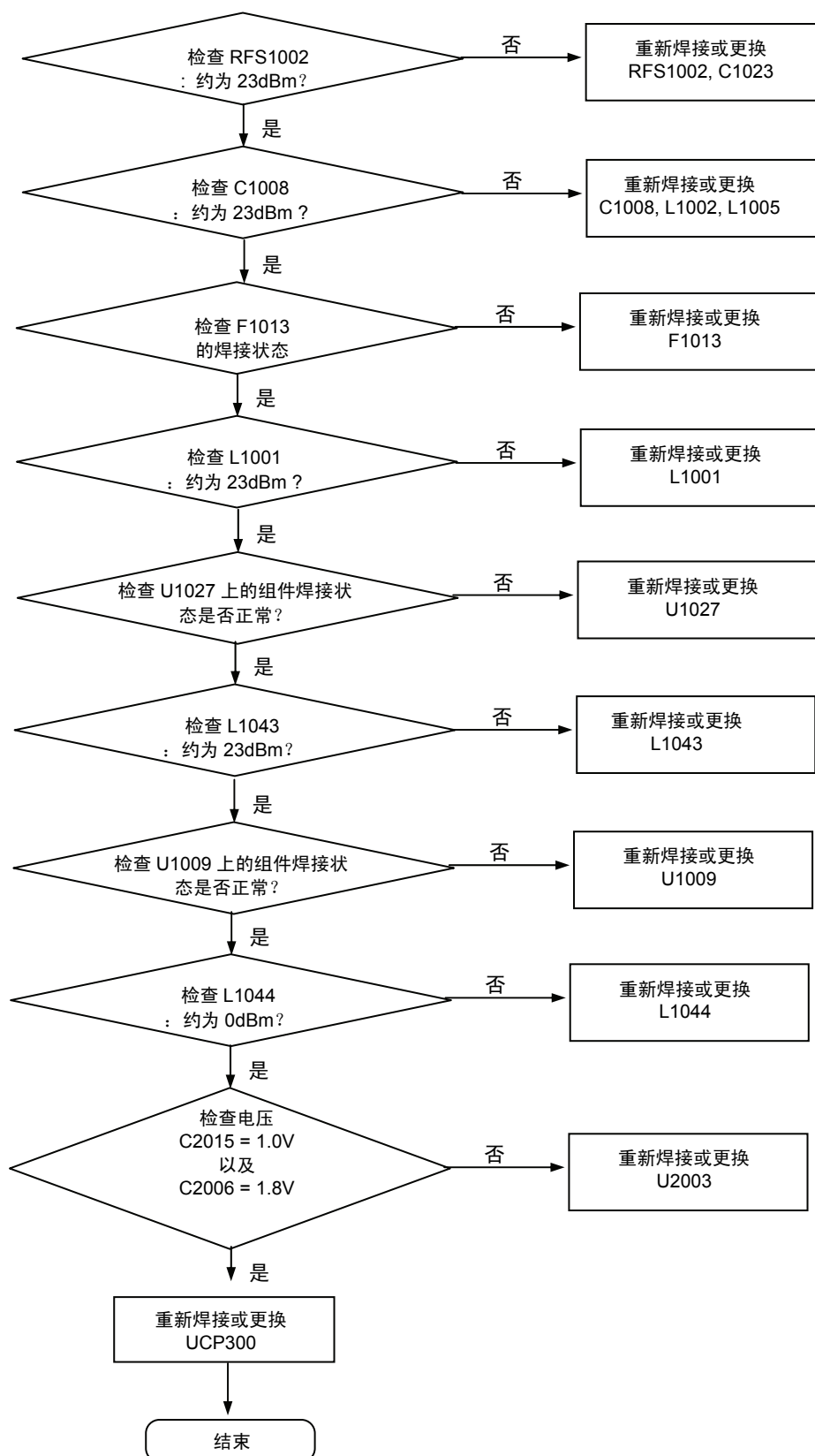


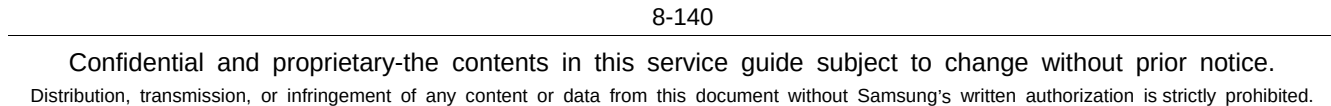


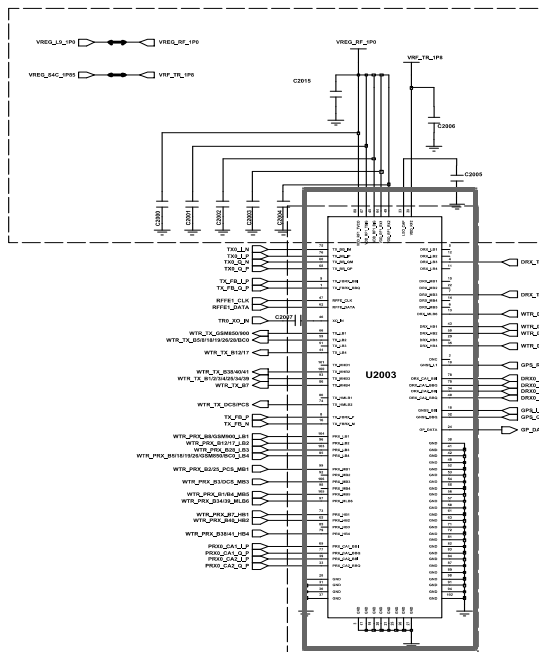




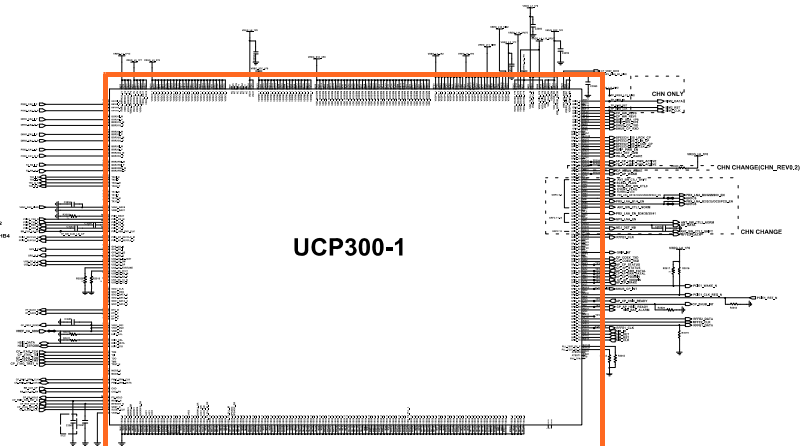
3-4-35. WCDMA B1, B2 / TD-SCDMA B34, B39 / LTE B1, B2, B3, B4, B25, B39 TX

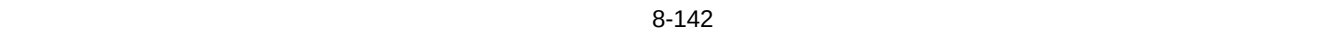




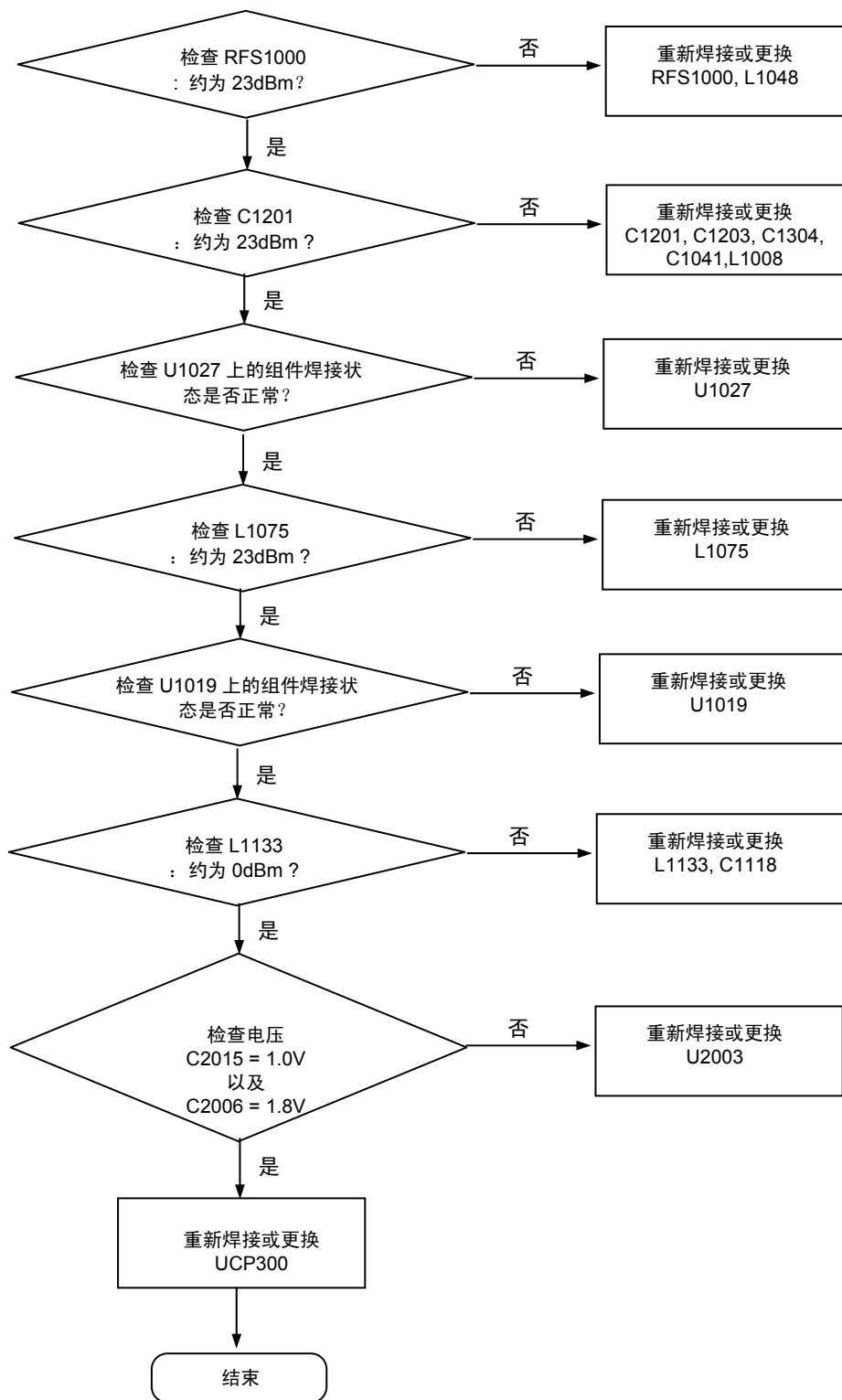


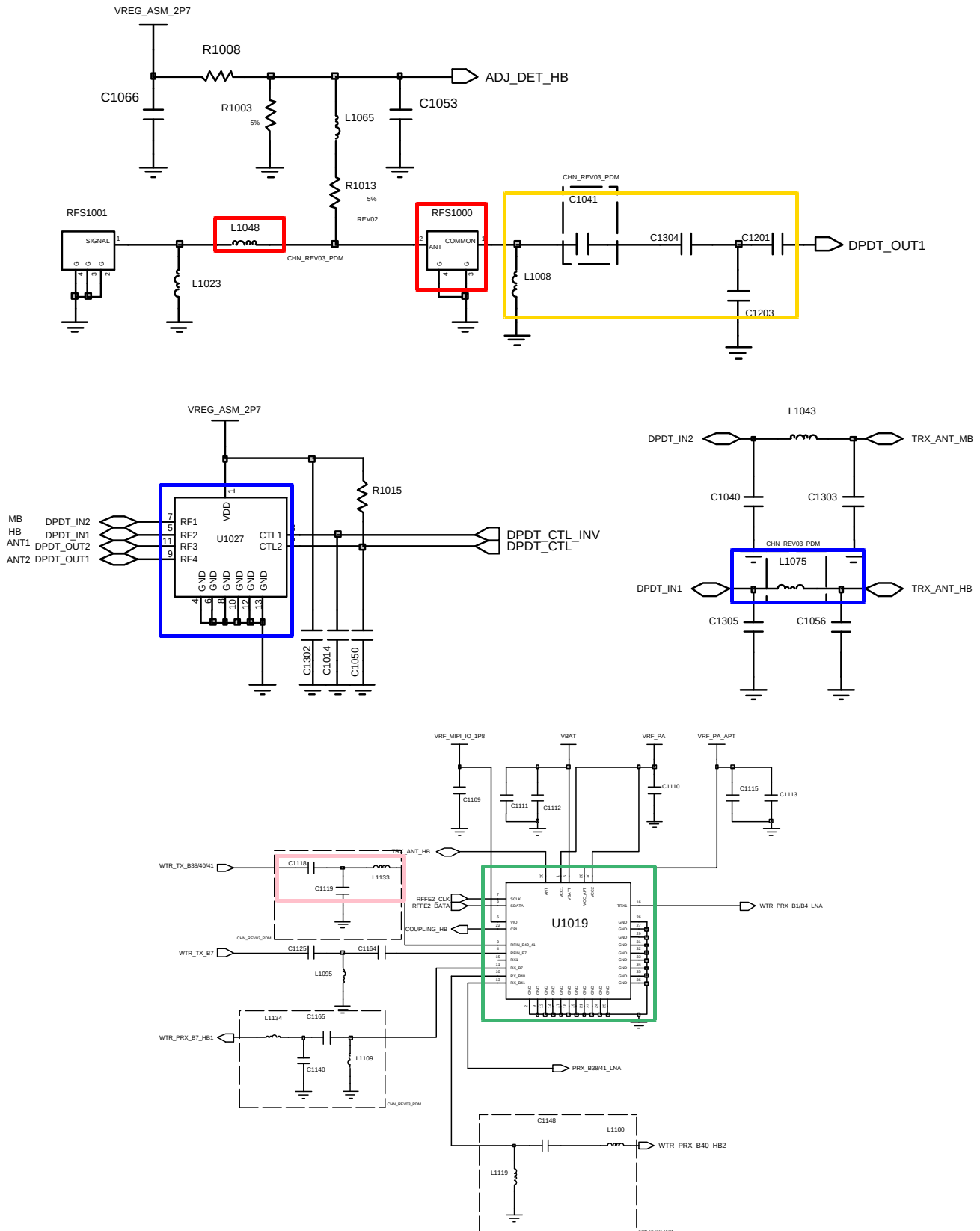
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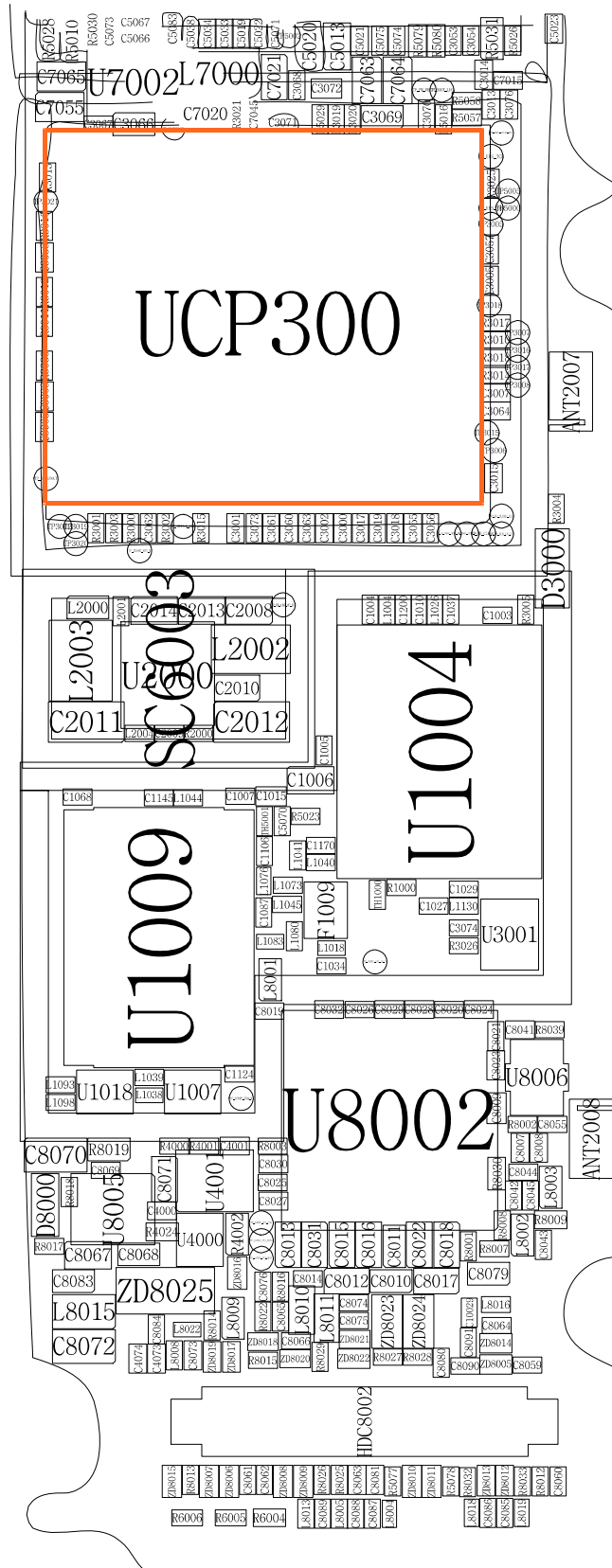


3-4-36. LTE B38, B40, B41 TX

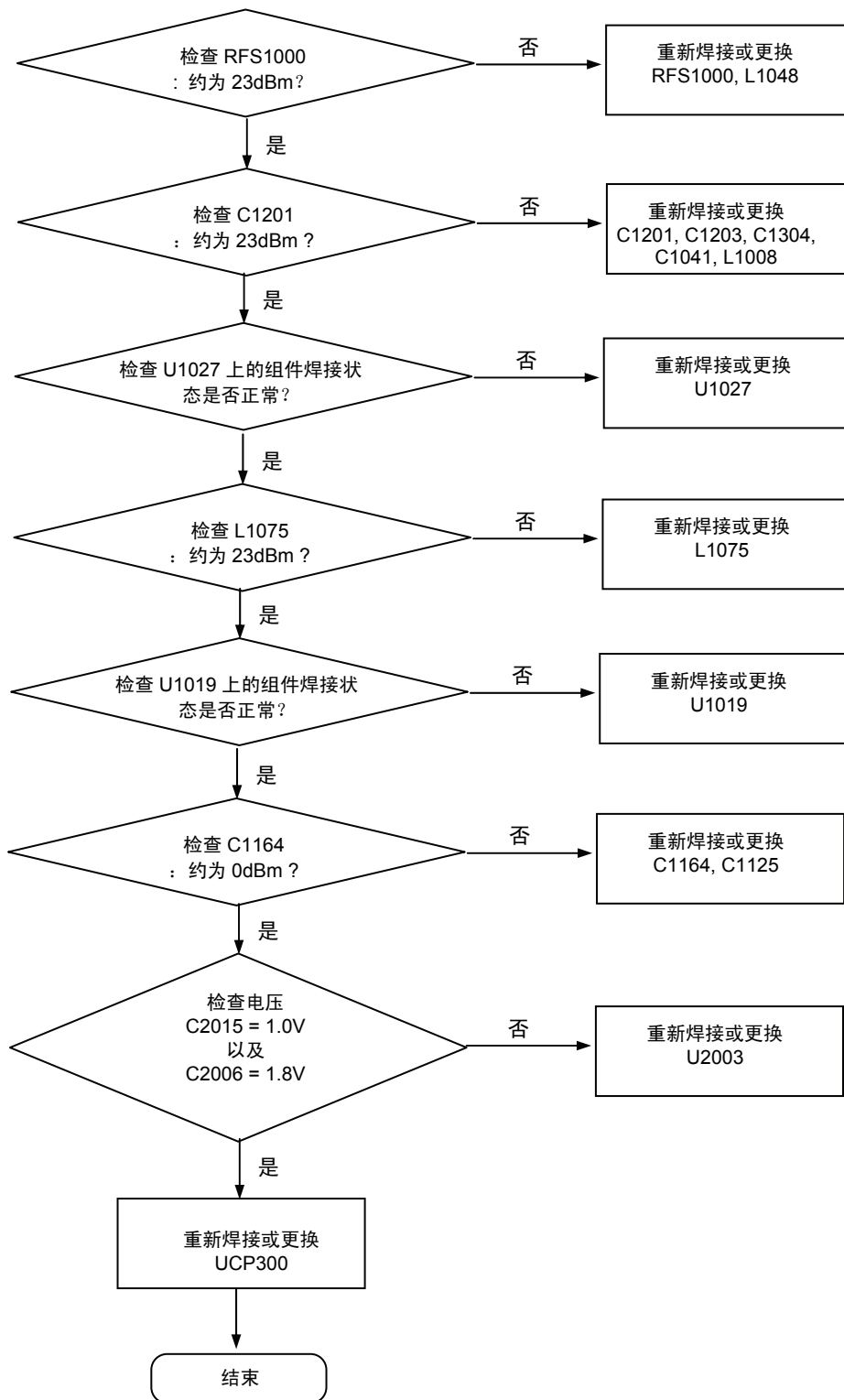


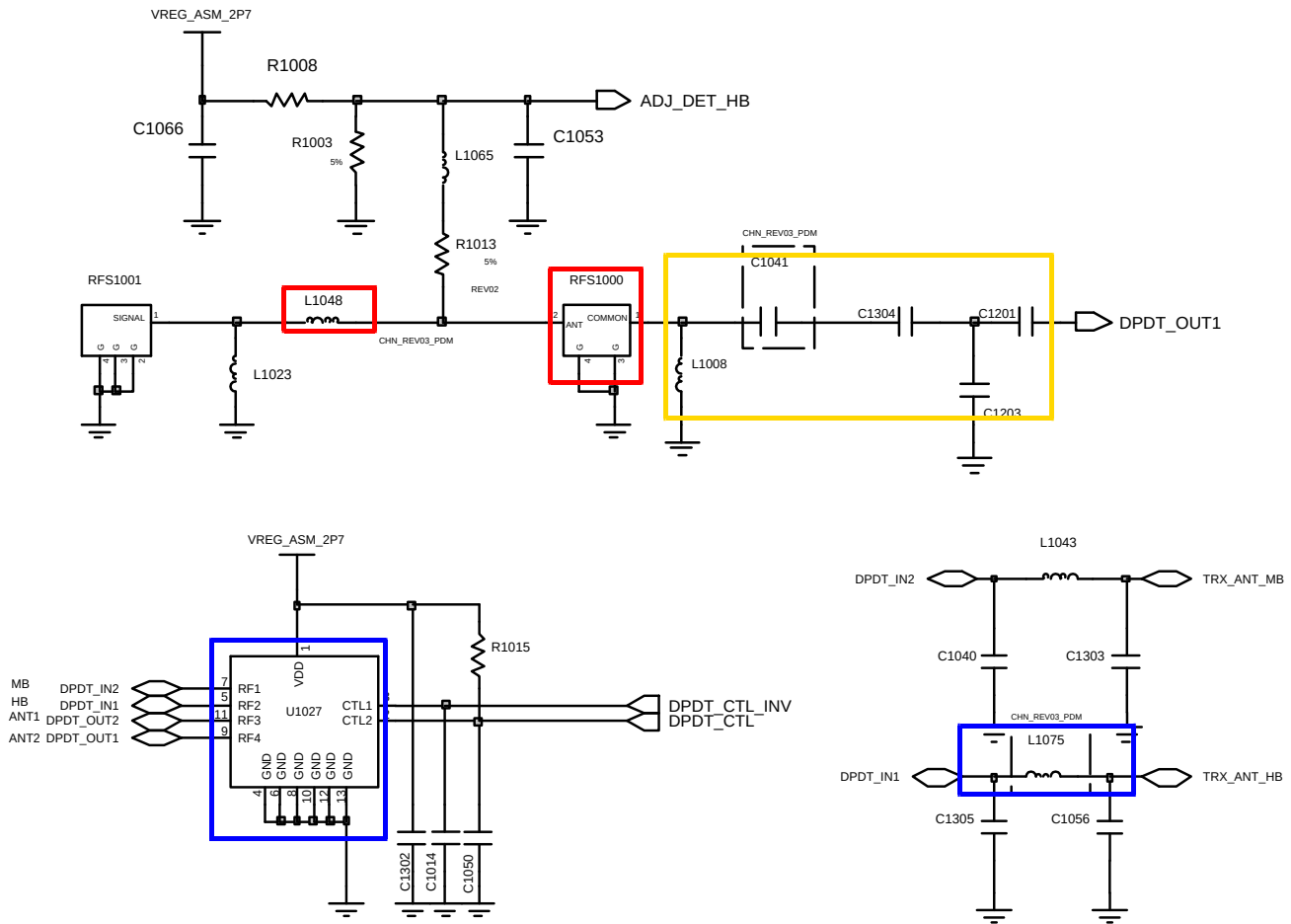


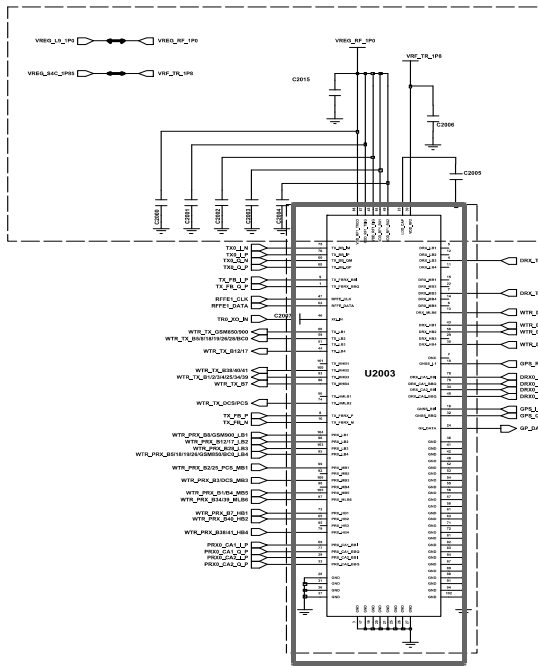
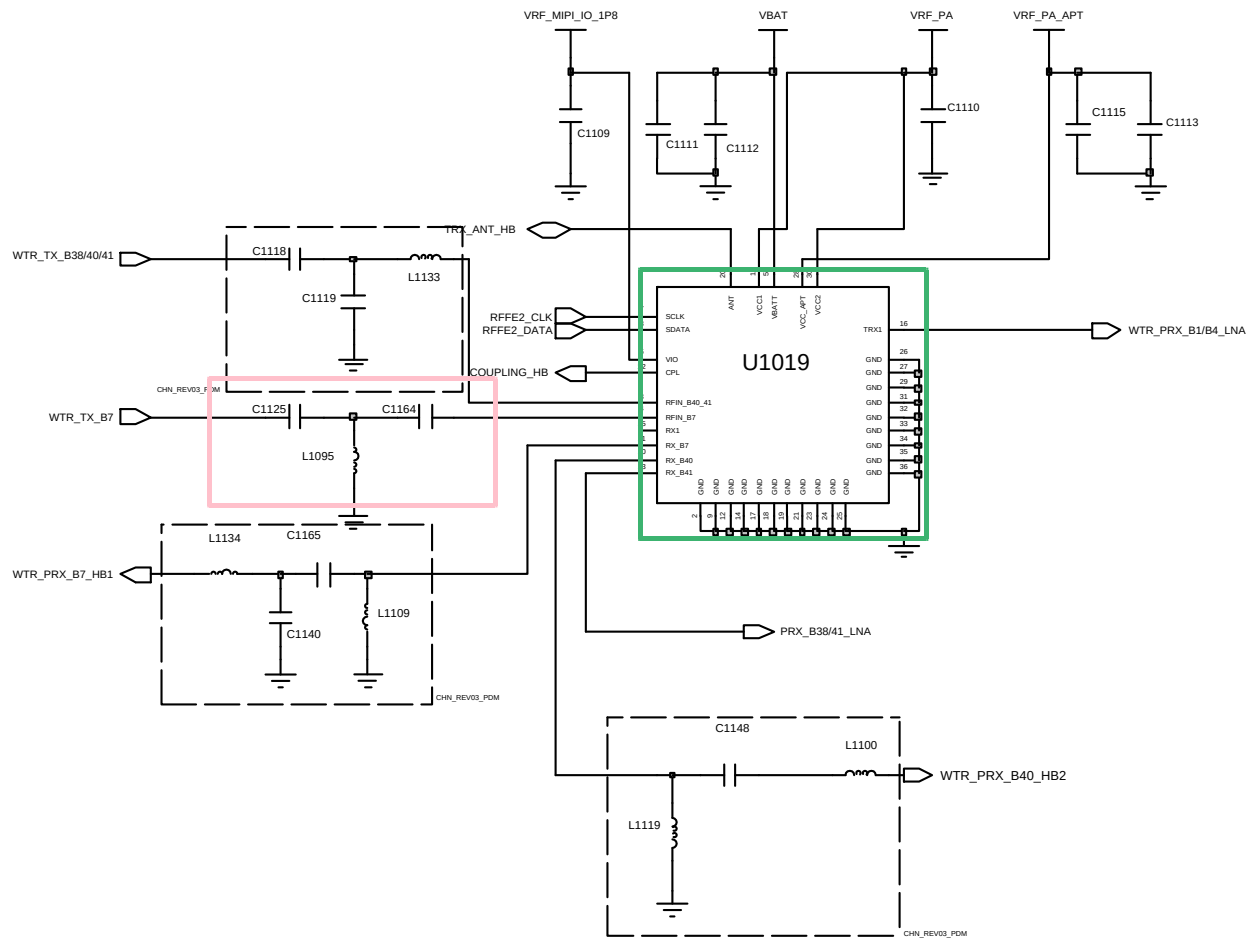




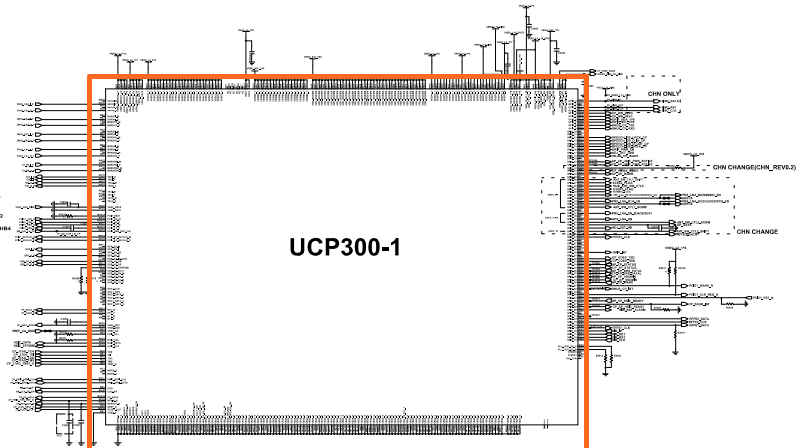
3-4-37. LTE B7 TX







CP PART



8-4. 维修示意图

-故障处（顶部视图）

UCP500 (AP)

故障：AT12

[illegible]