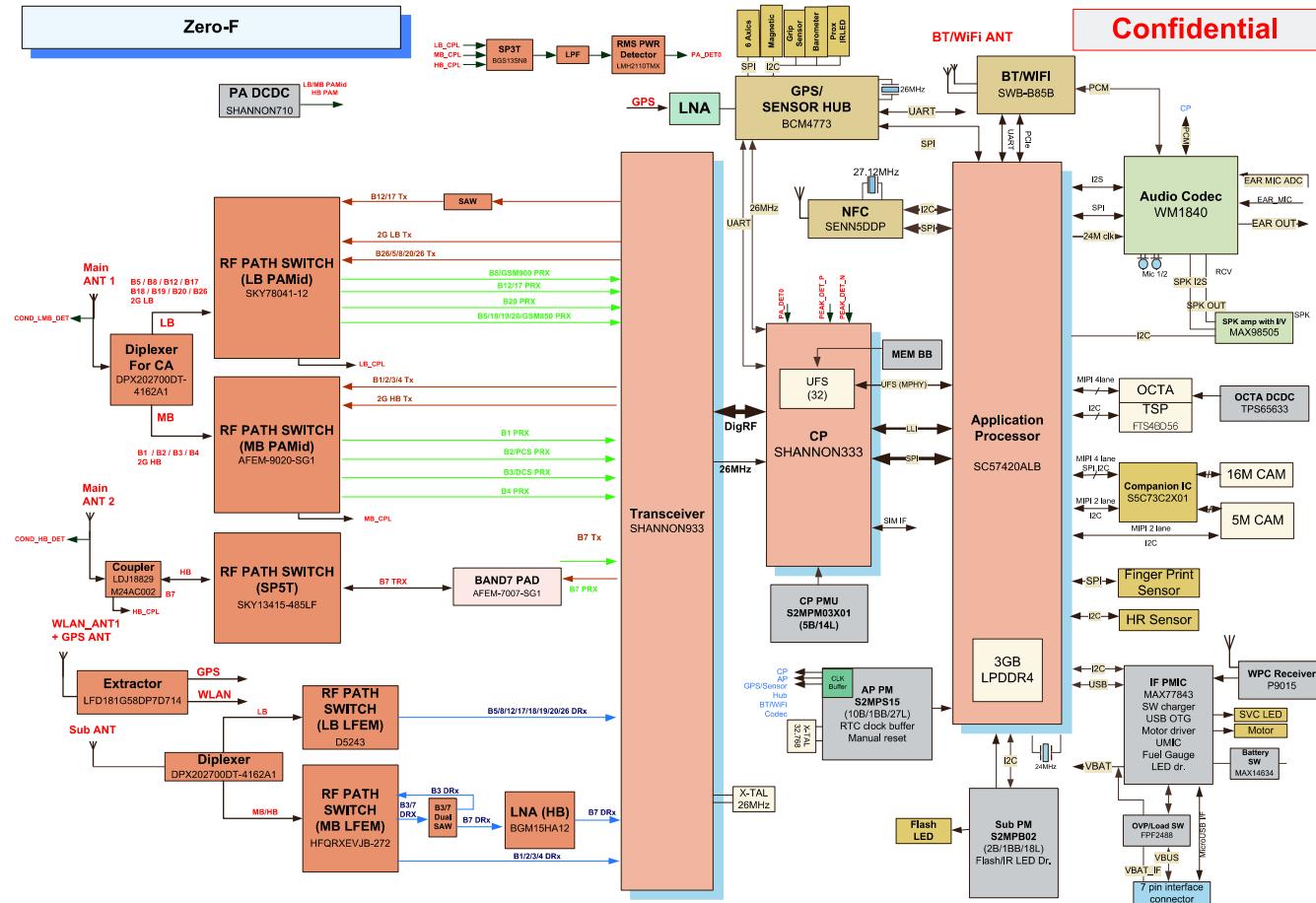


8. Level 3 Repair

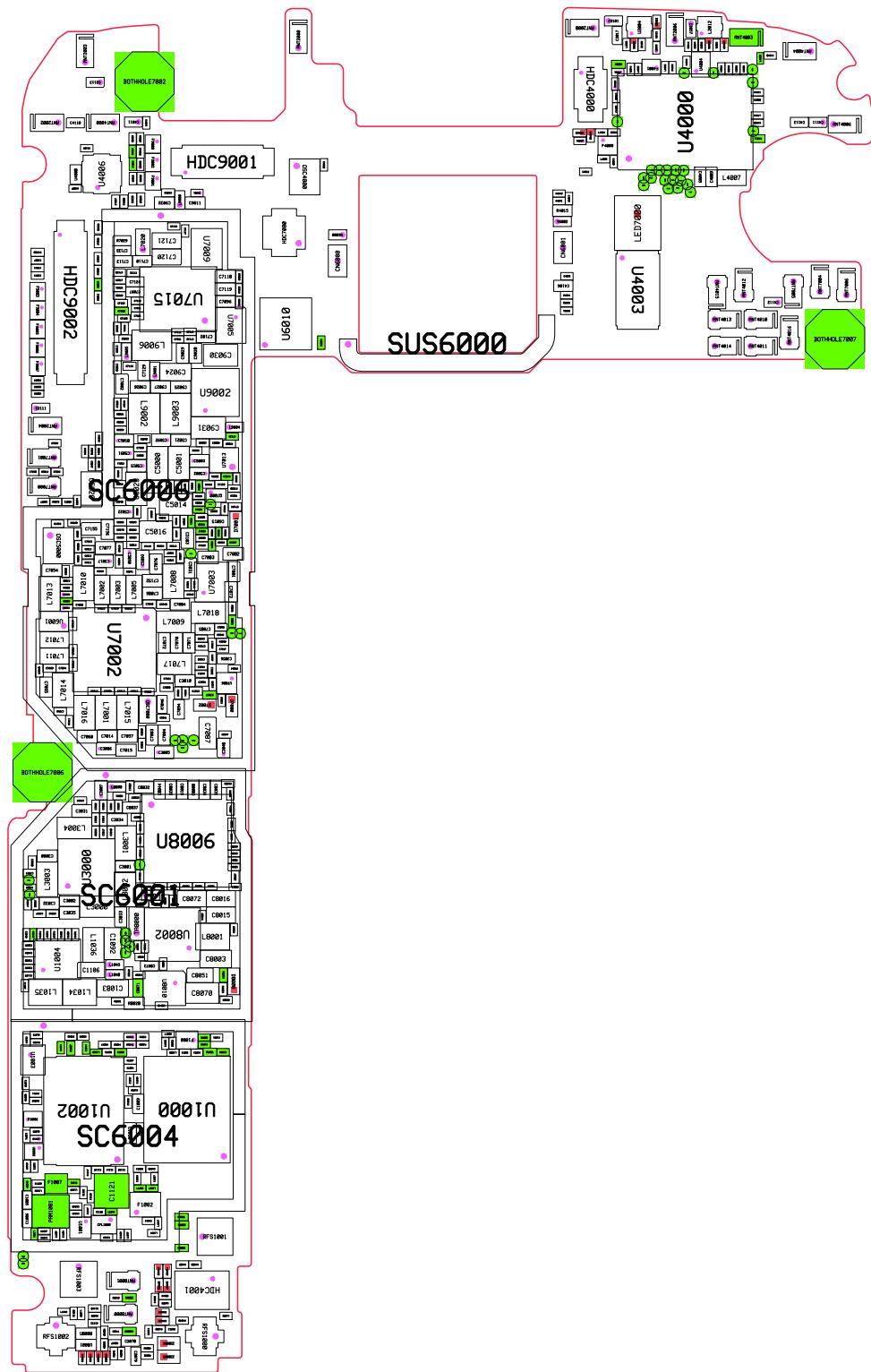
8-1. Block Diagram



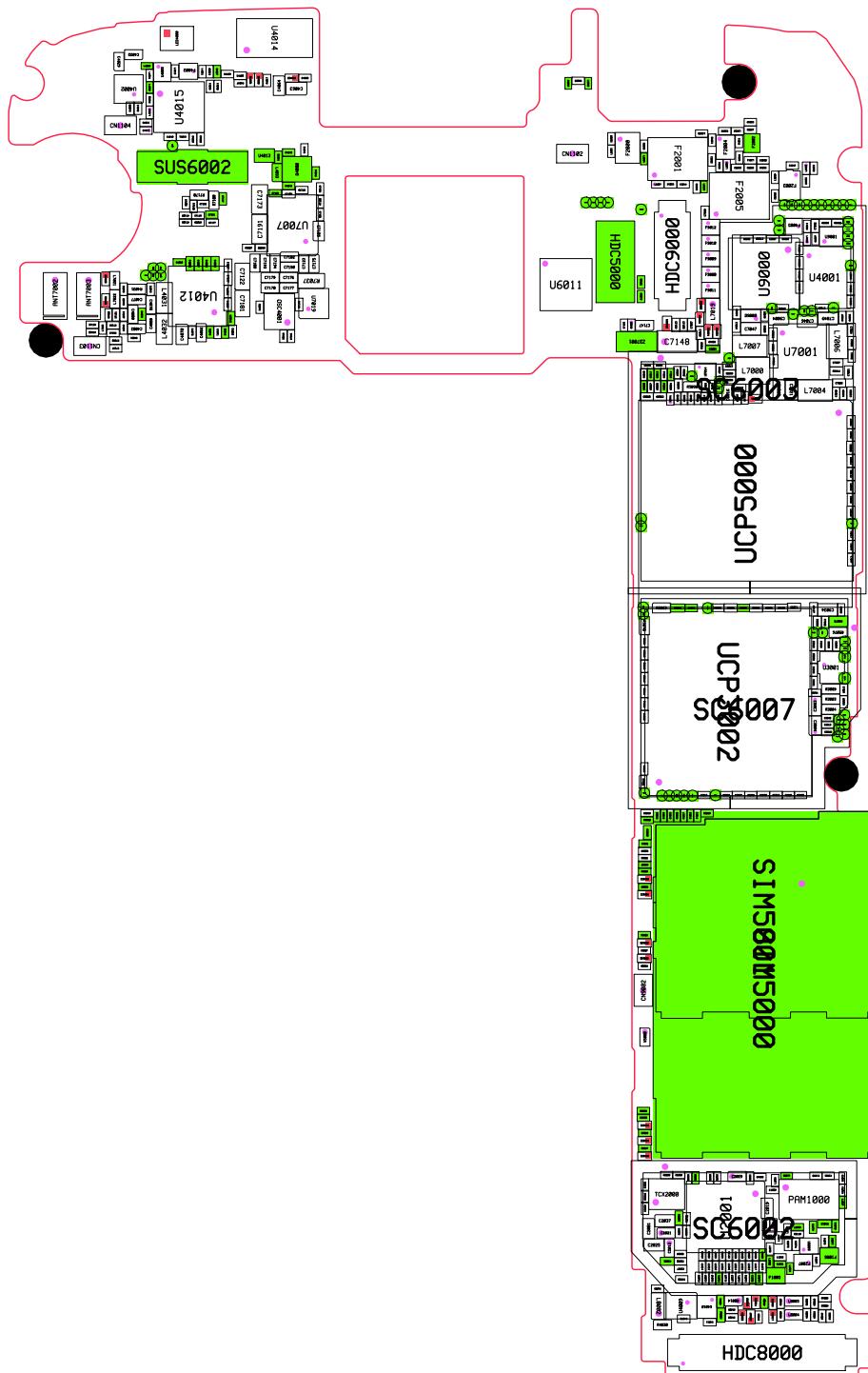
Confidential

8-2. PCB Diagrams

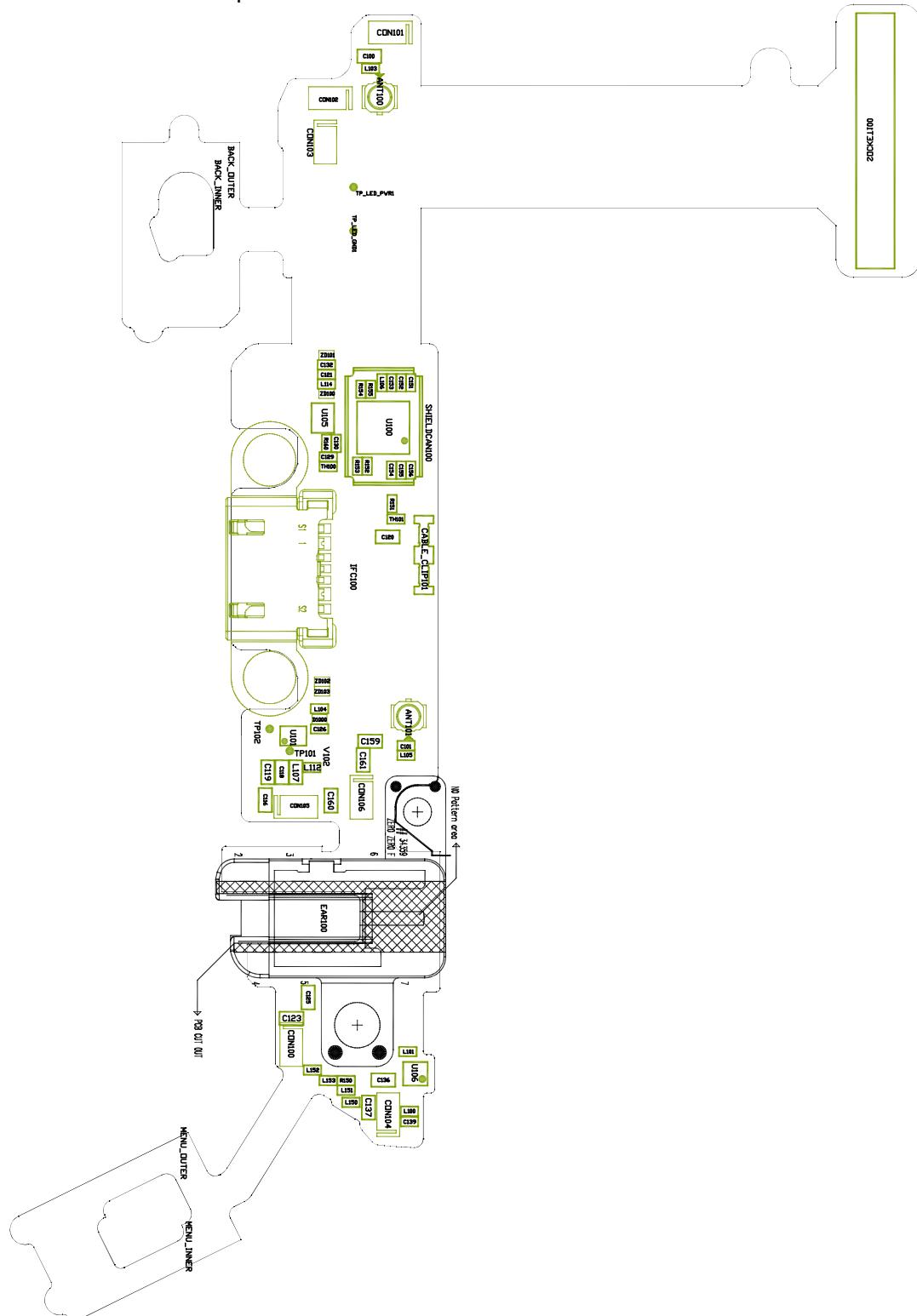
8-2-1. Top



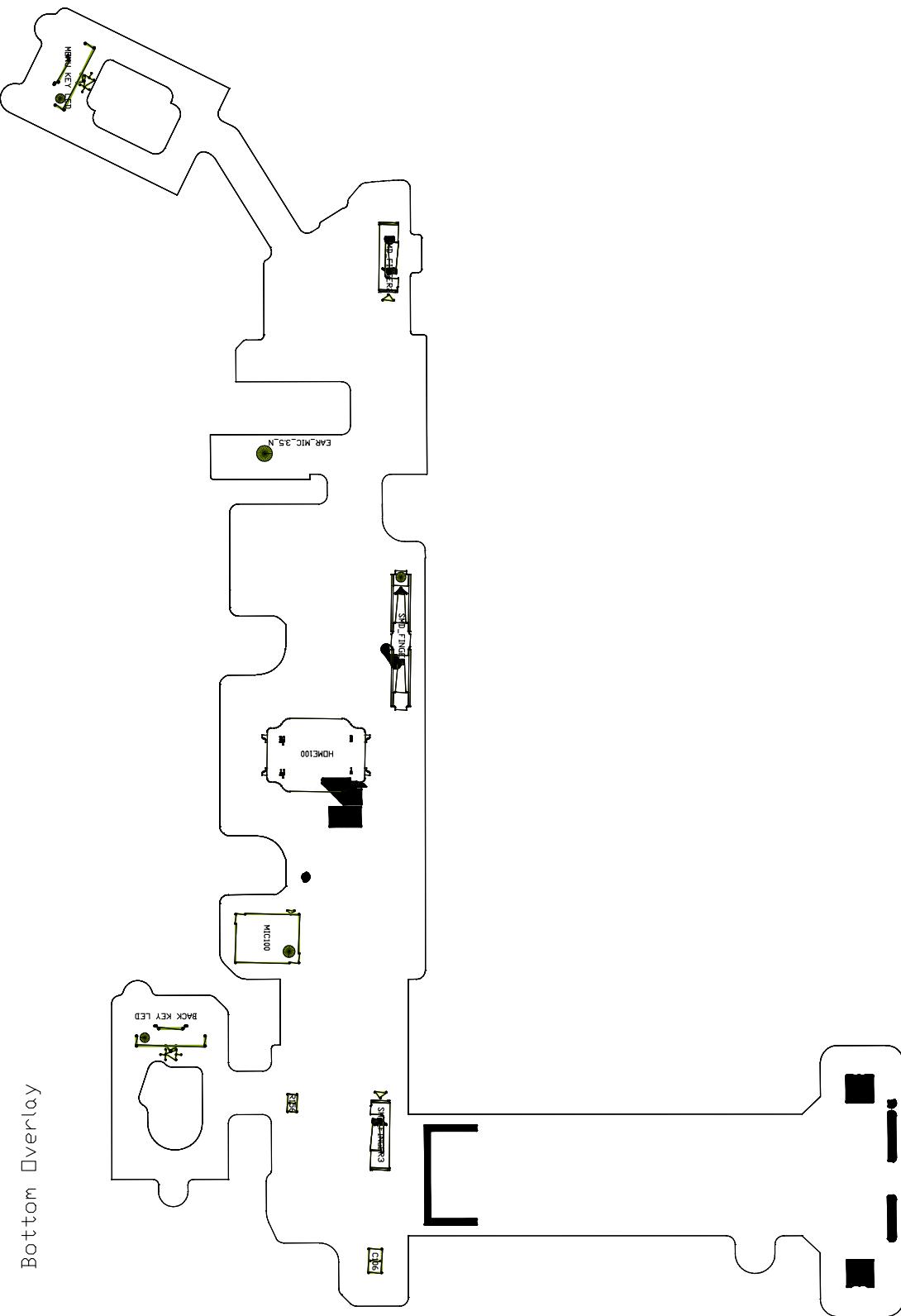
8-2-2. Bottom



8-2-3. Sub PBA Top

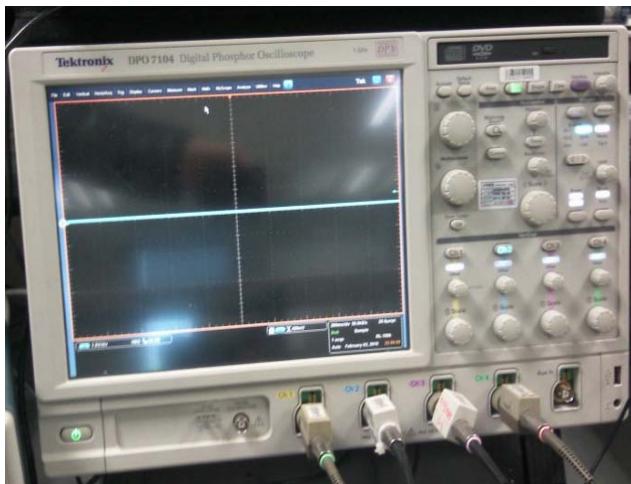


8-2-3. Sub PBA Bottom



8-3. Flow Chart of Troubleshooting

Equipments



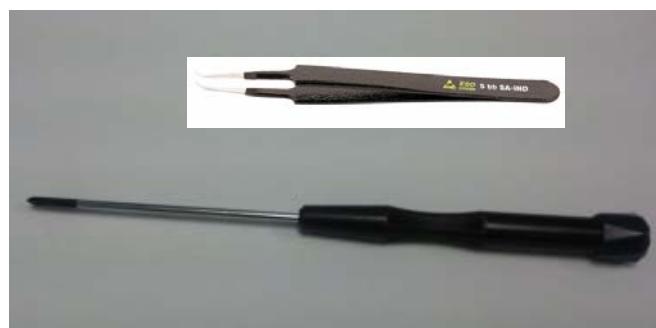
↑ Oscilloscope



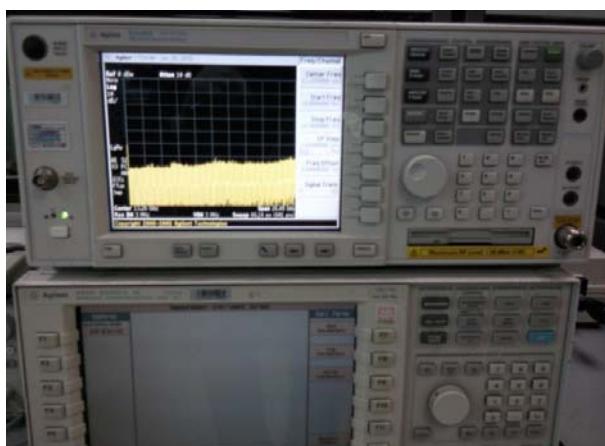
↑ Digital Multimeter



↑ Power Supply



↑ + driver, ESD Safe Tweezer

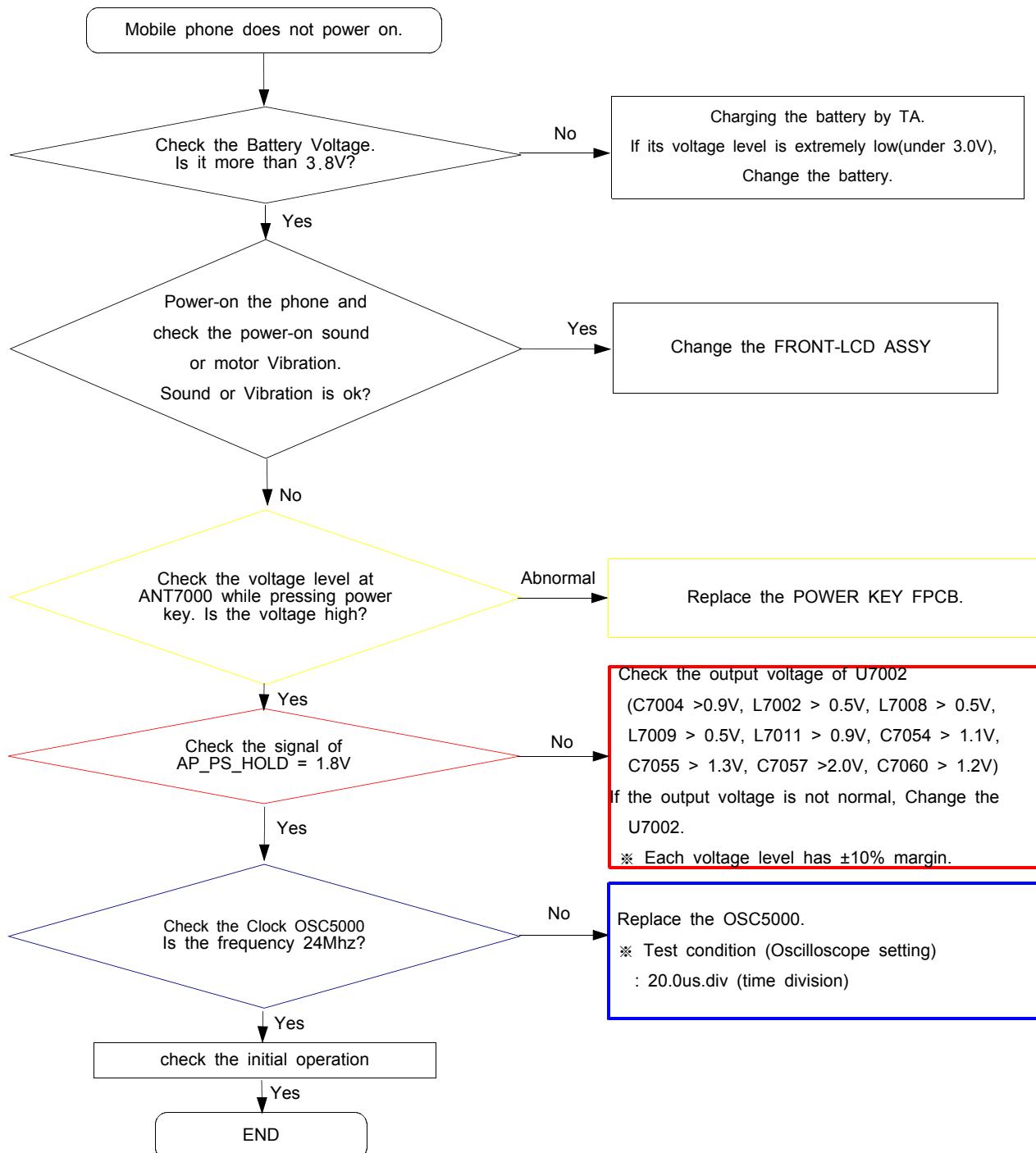


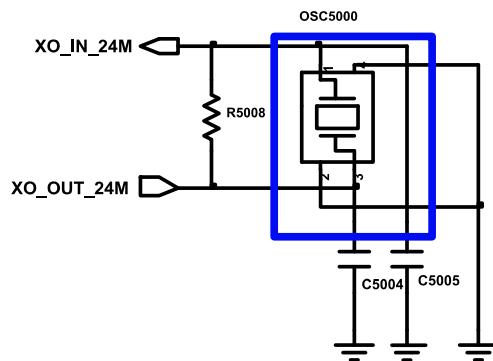
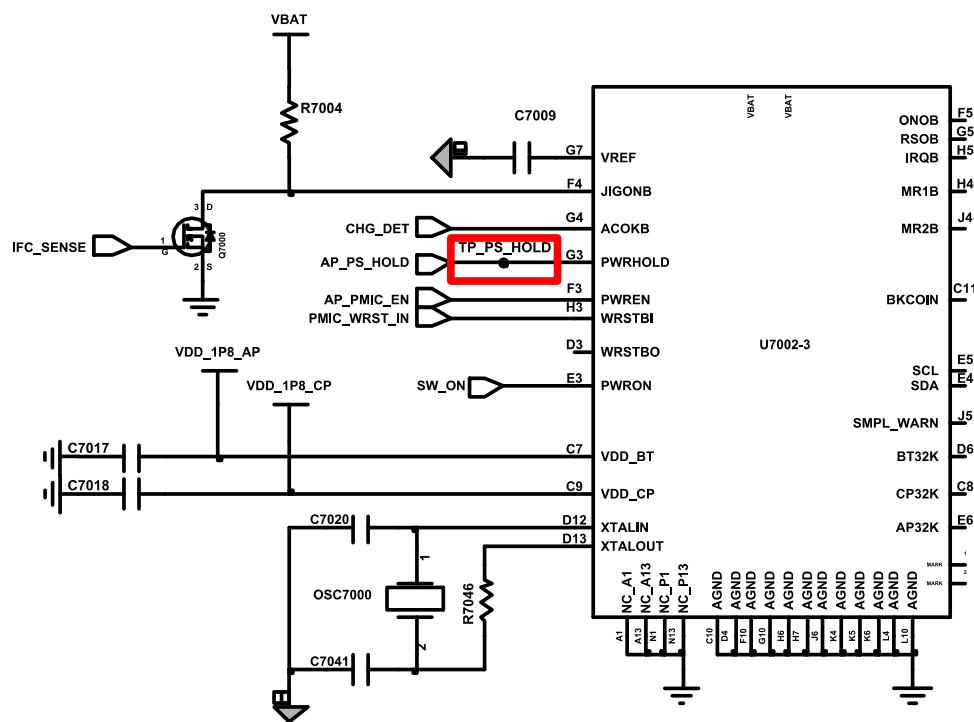
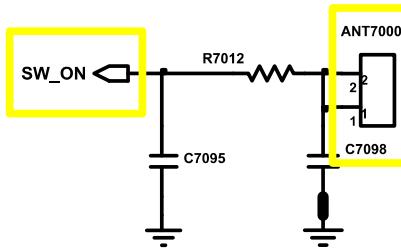
↑ 8960 & Spectrum Analyzer

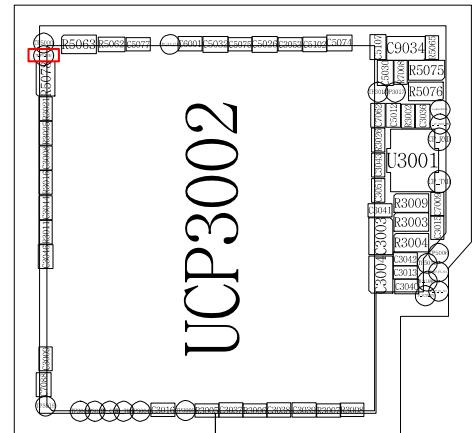
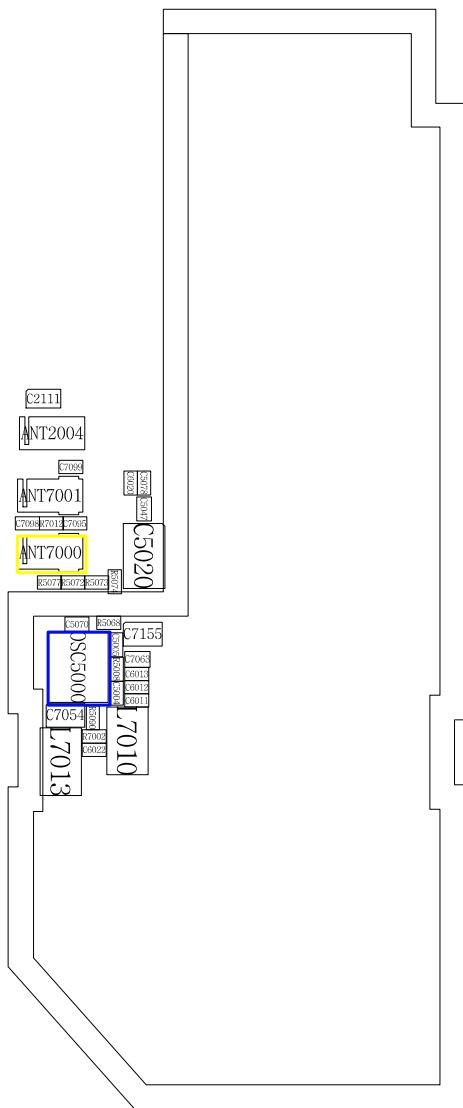


↑ Soldering iron

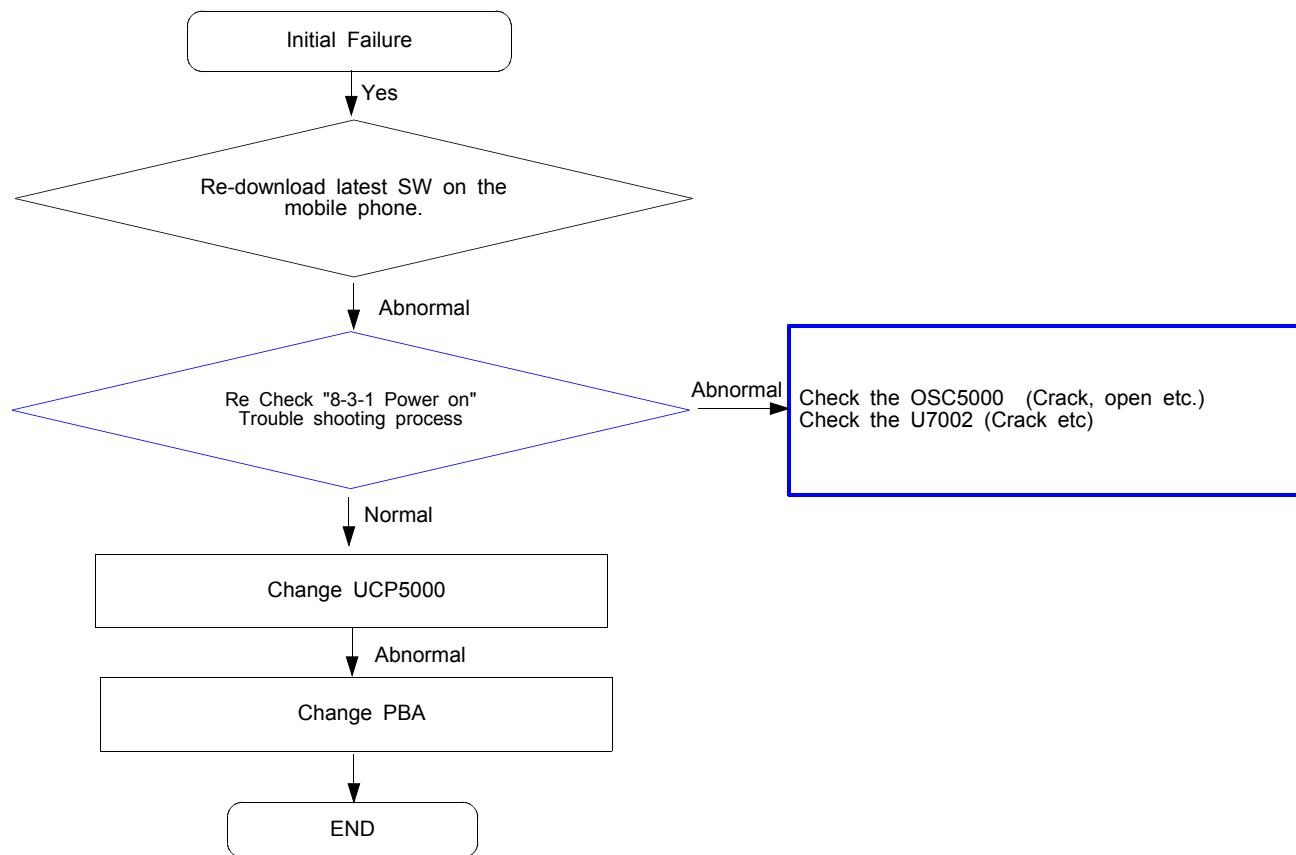
8-3-1. Power On

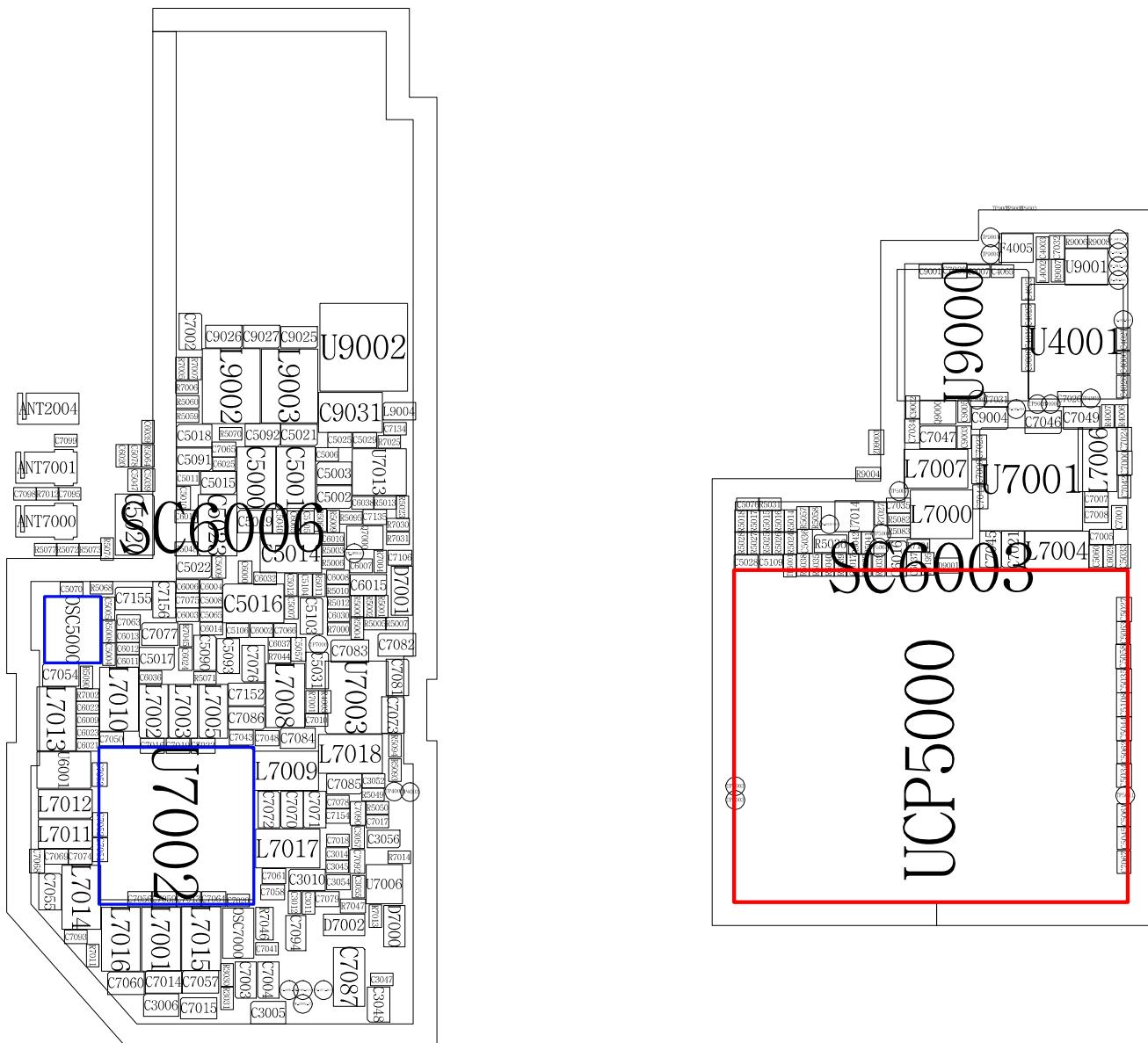




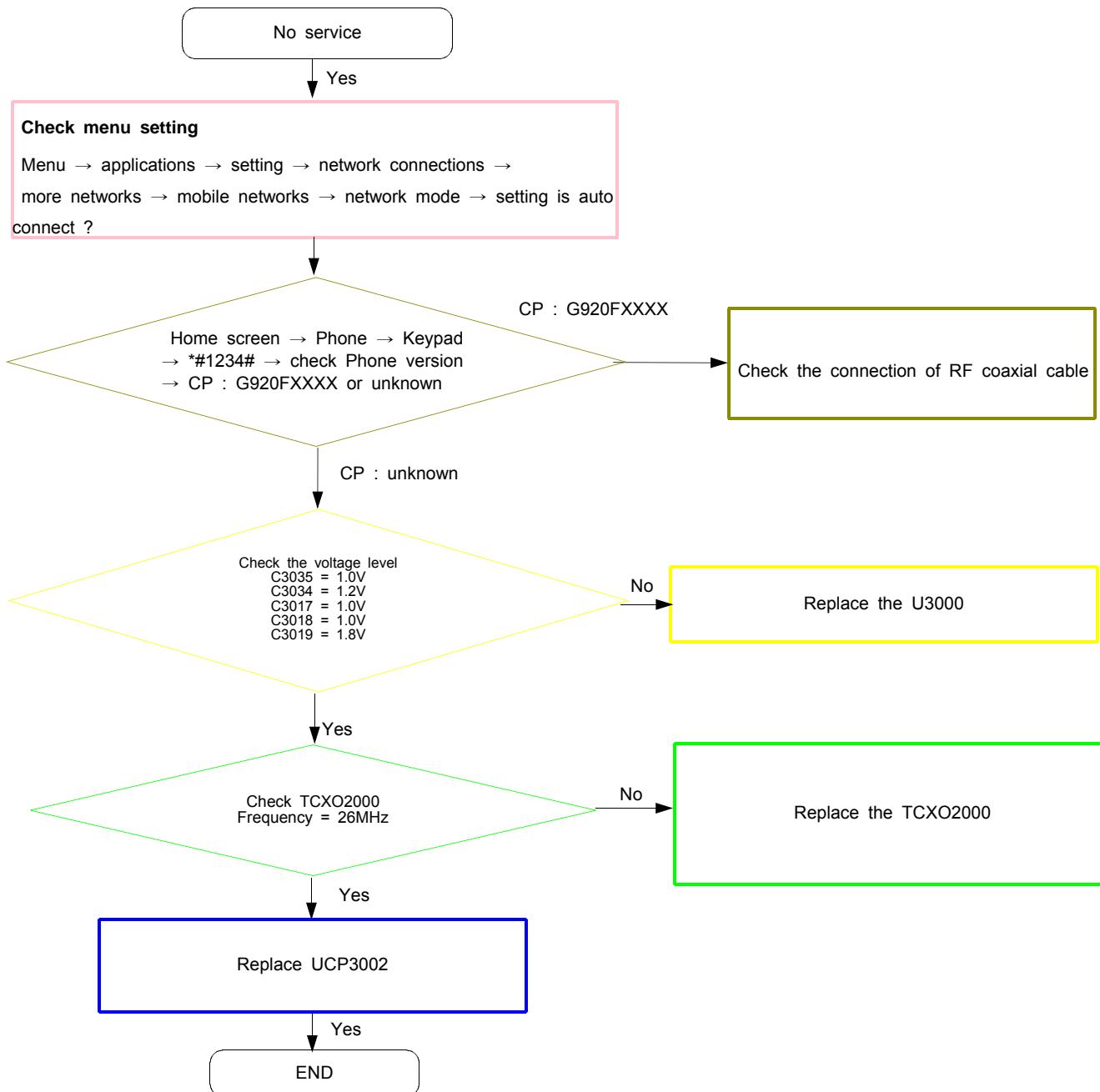


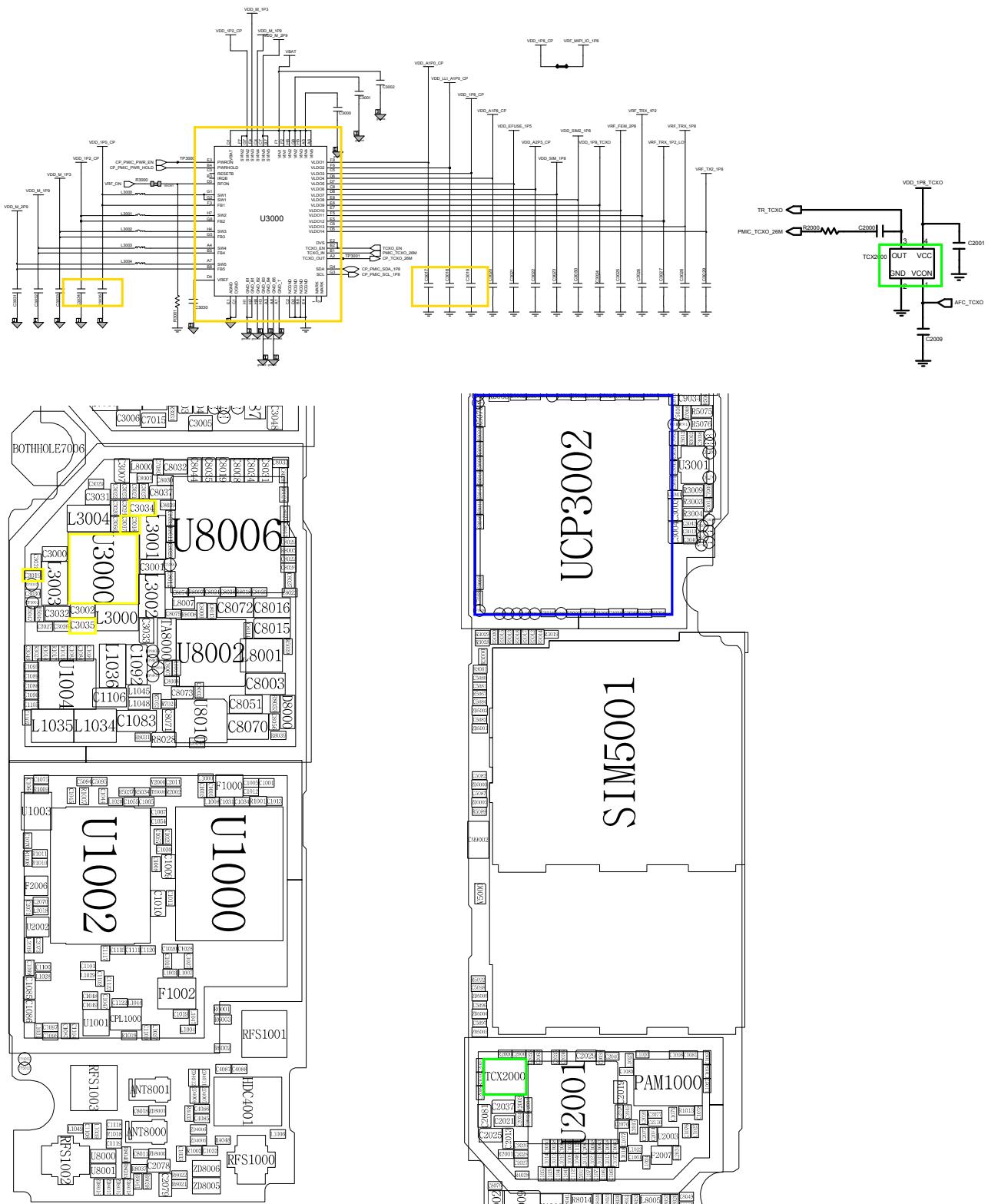
8-3-2. Initial



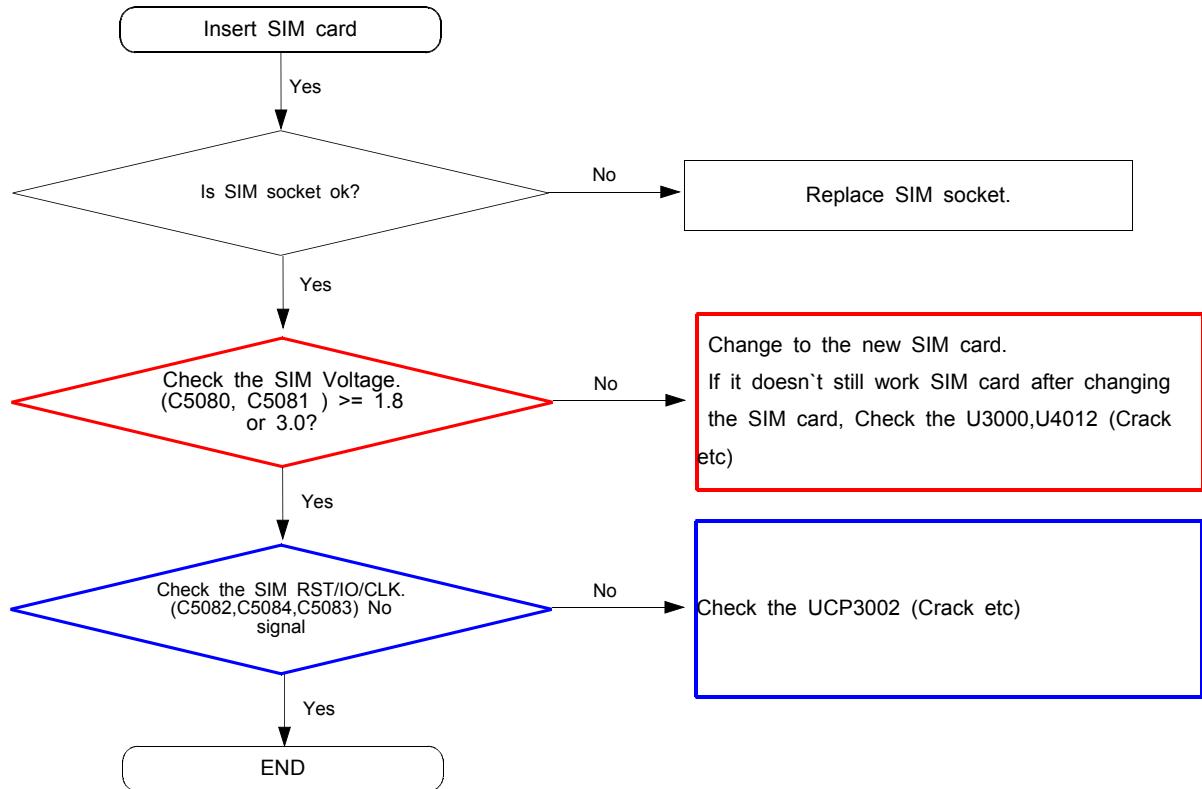


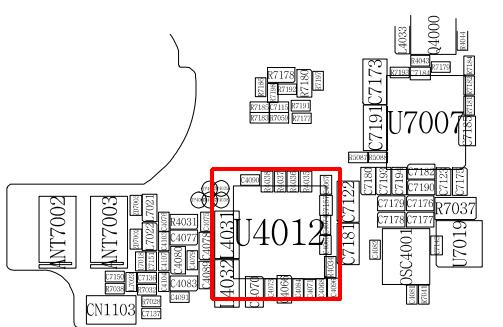
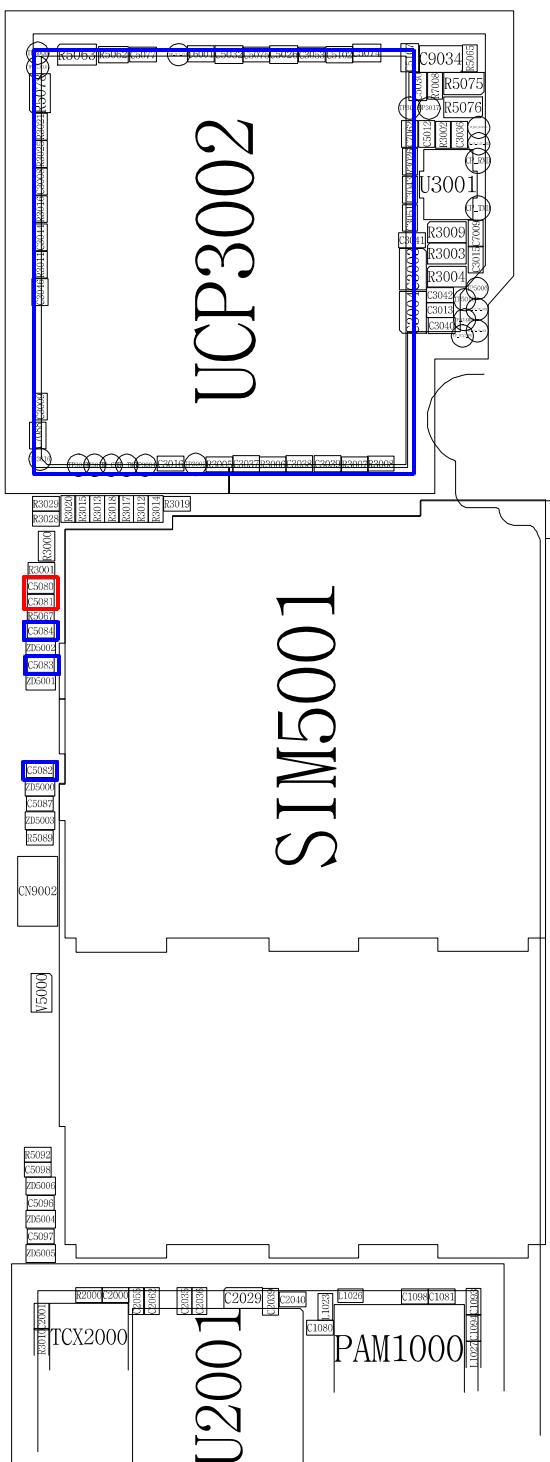
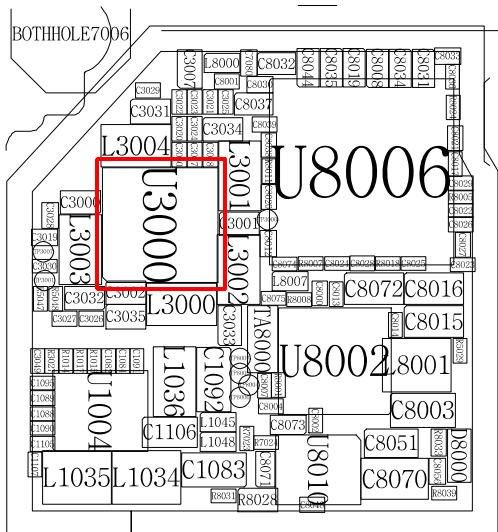
8-3-3. No Service



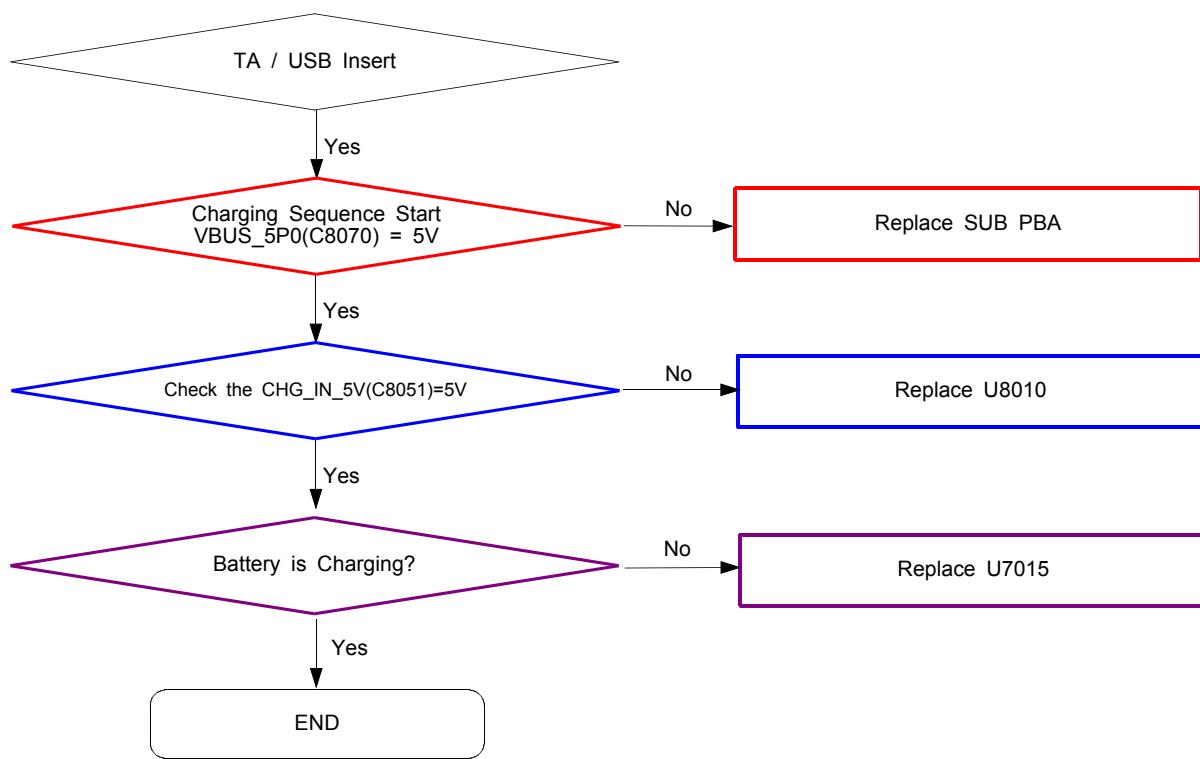


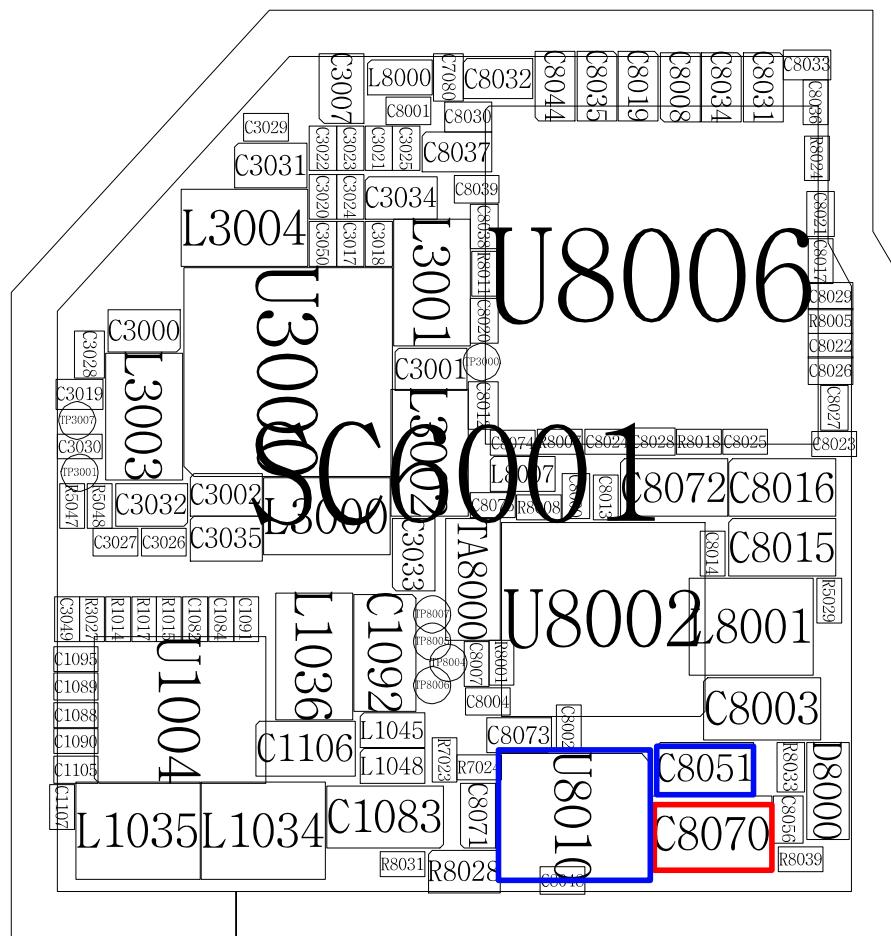
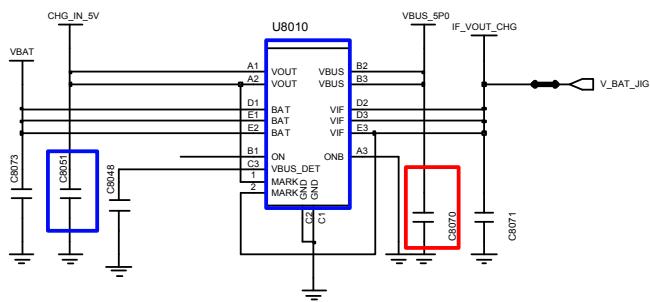
8-3-4. Sim Part



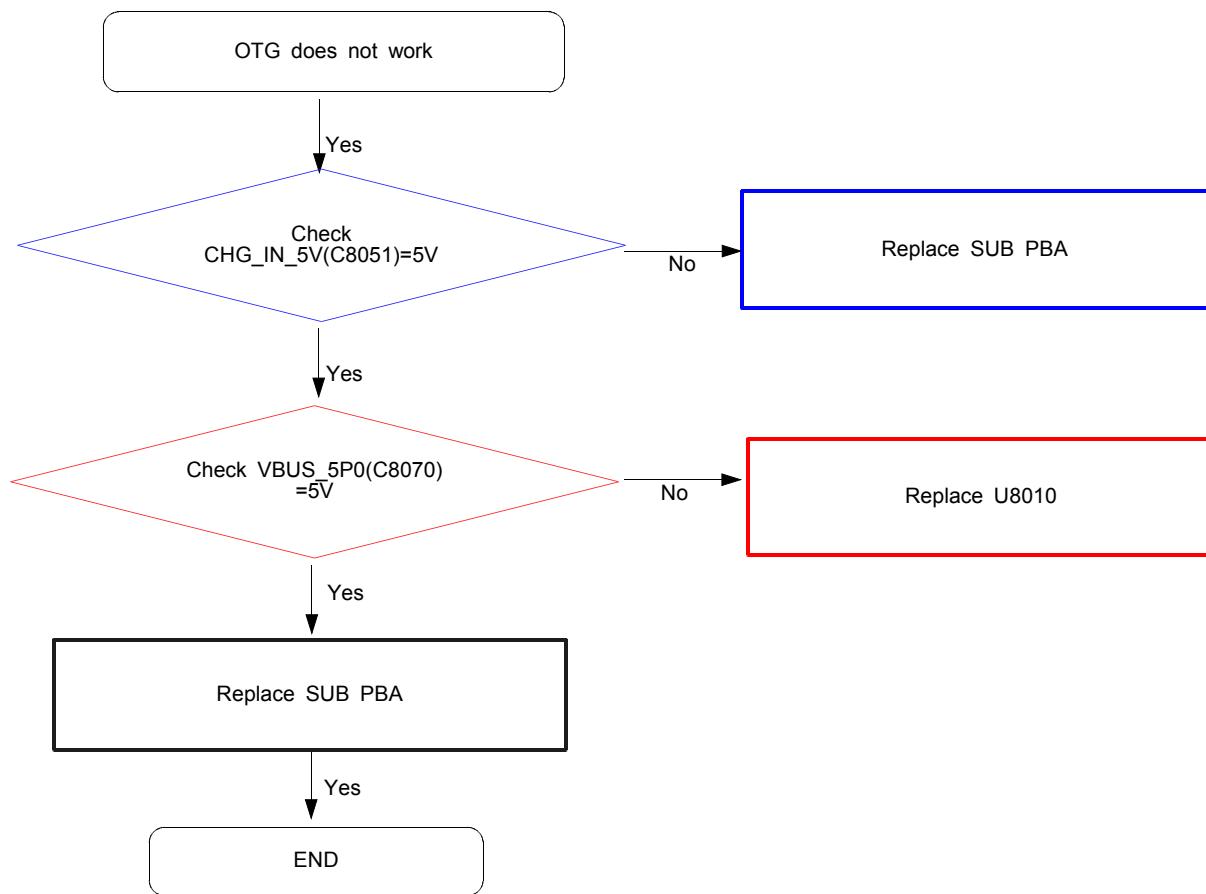


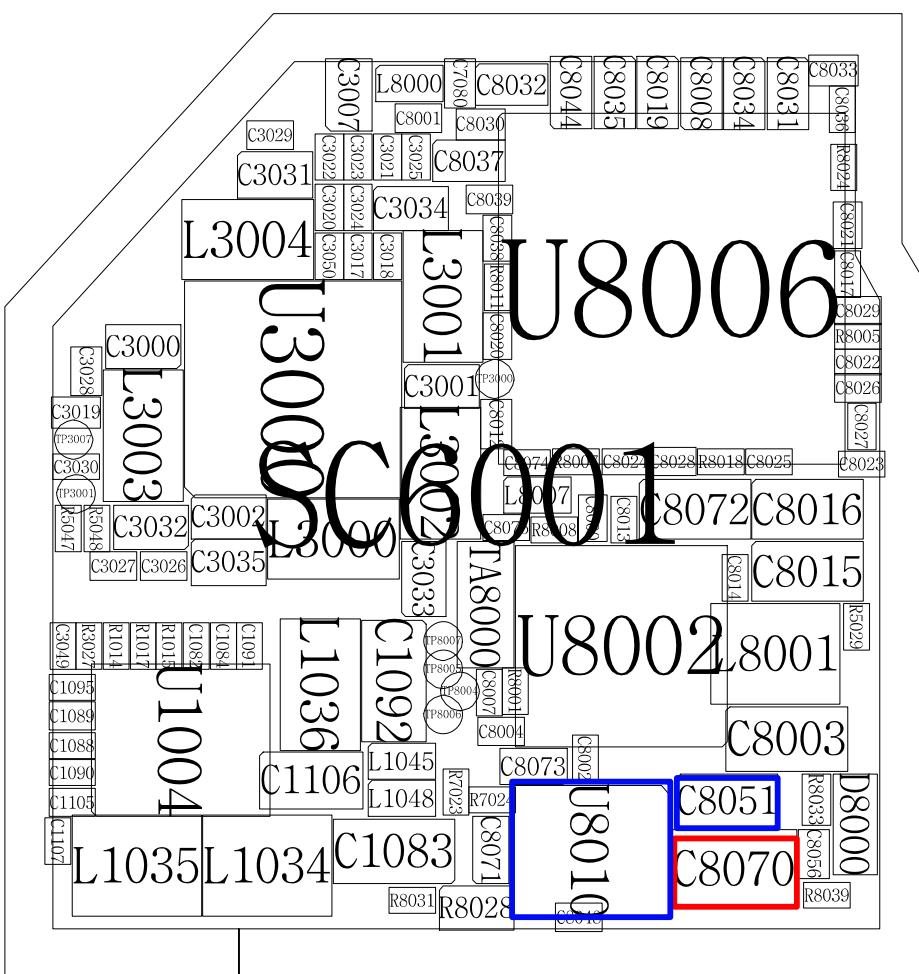
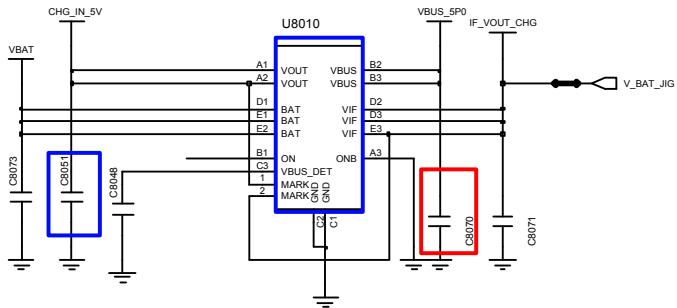
8-3-5. Charging Part



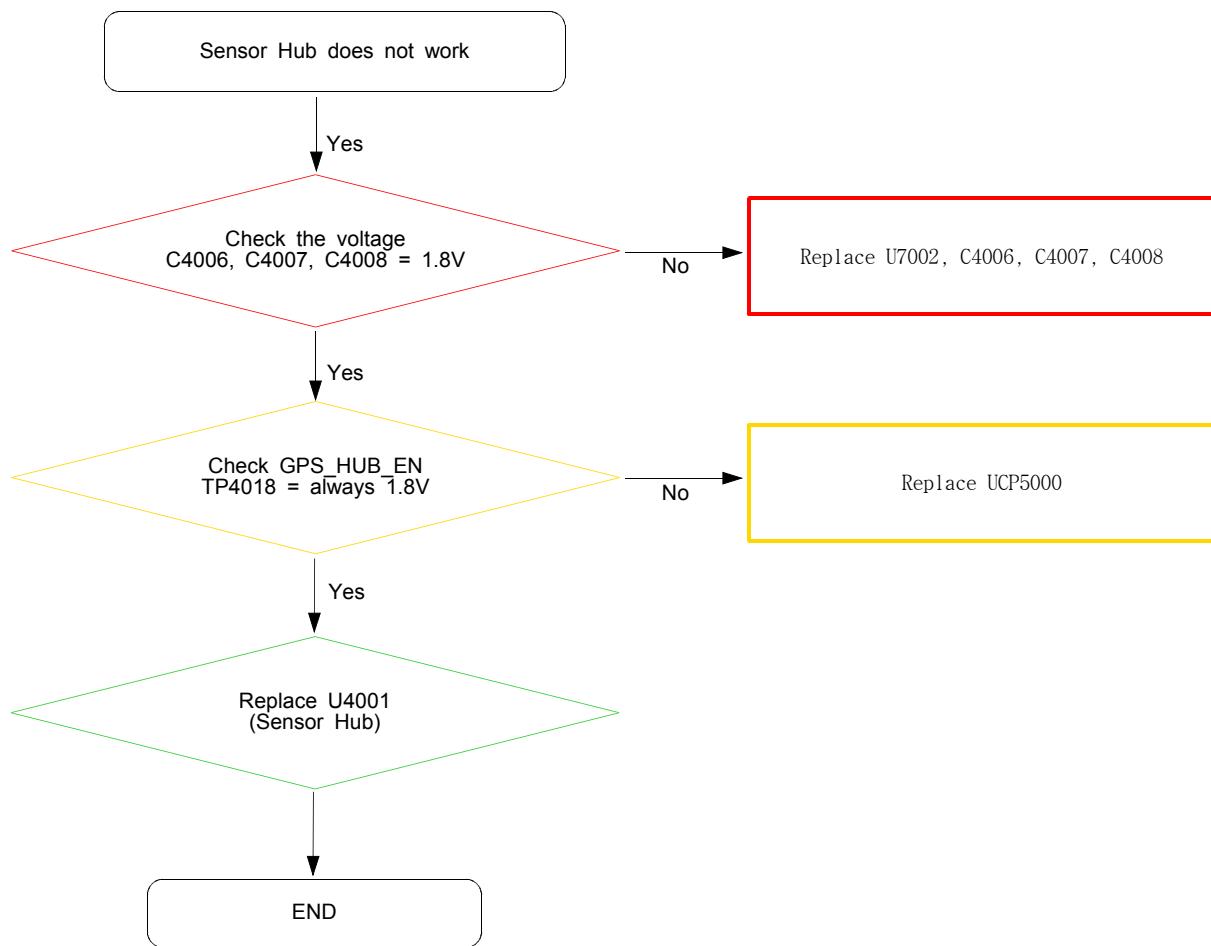


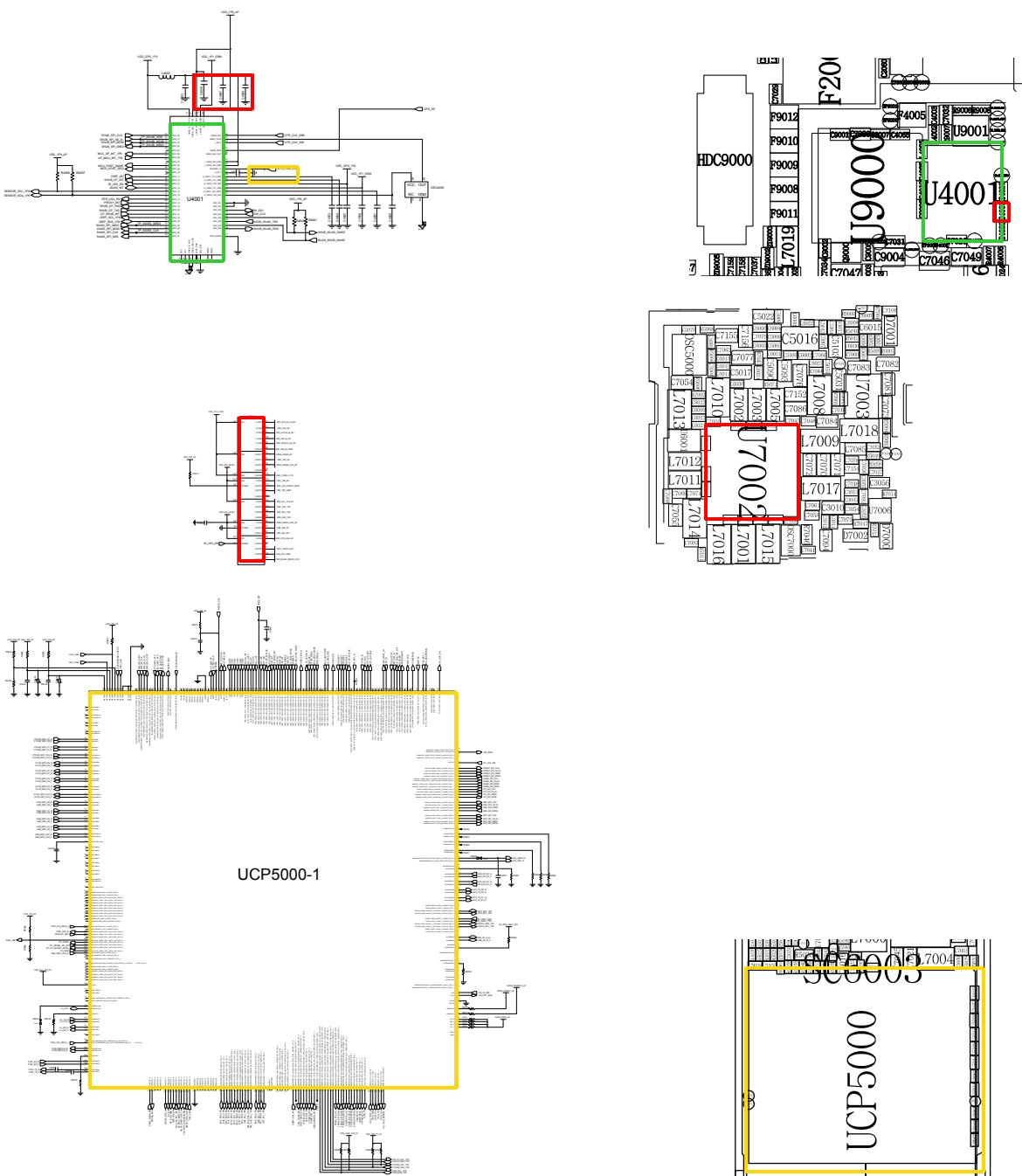
8-3-6. OTG



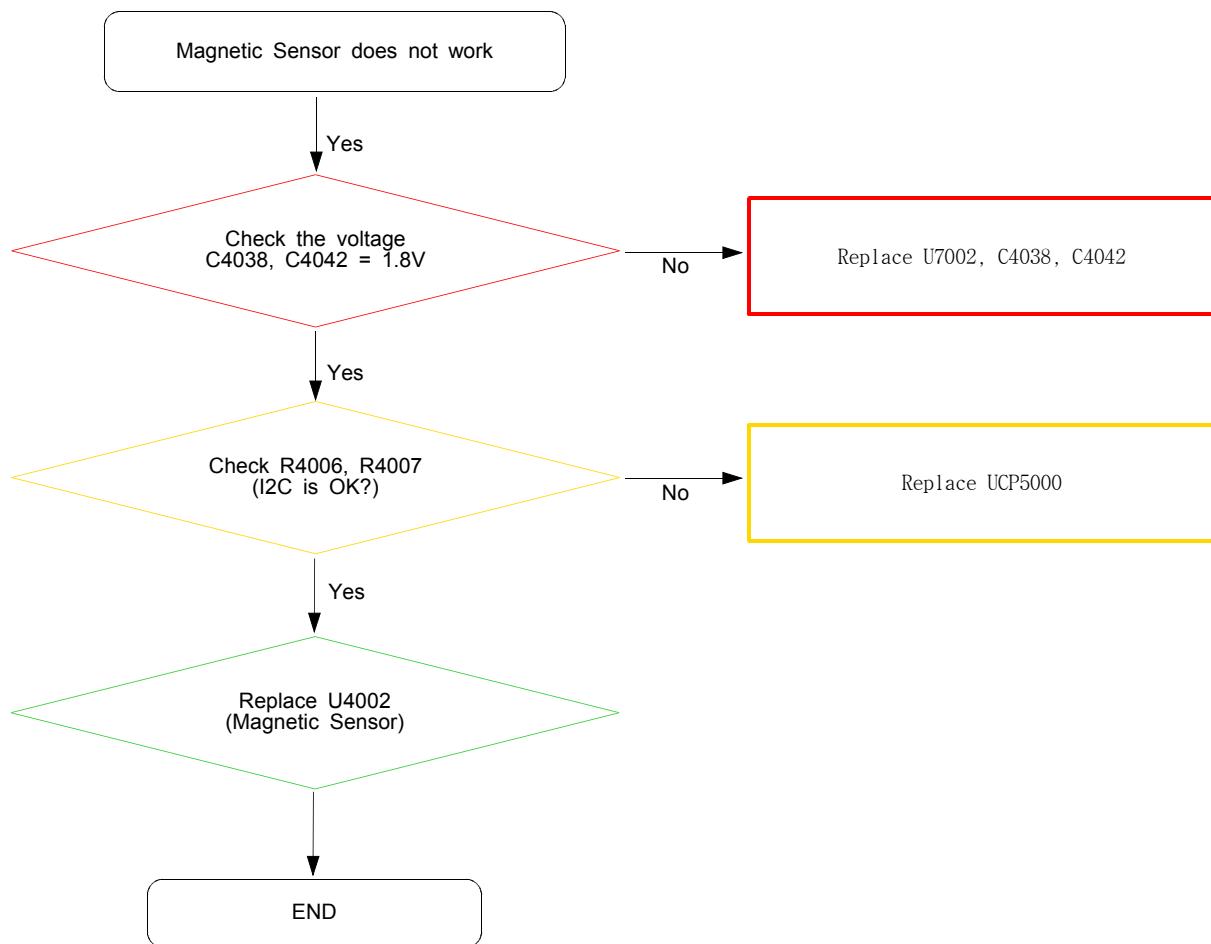


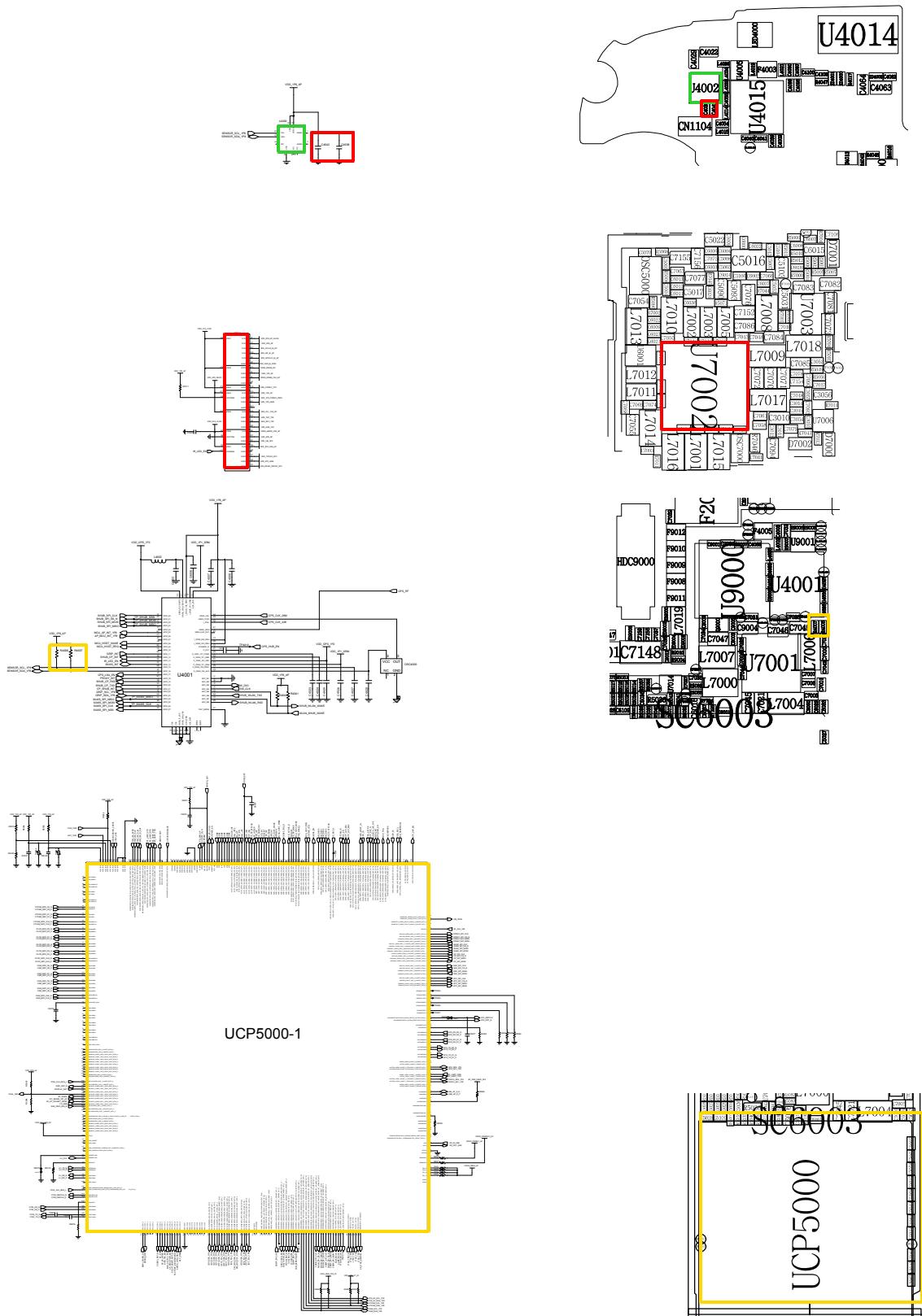
8-3-7. Sensor Hub



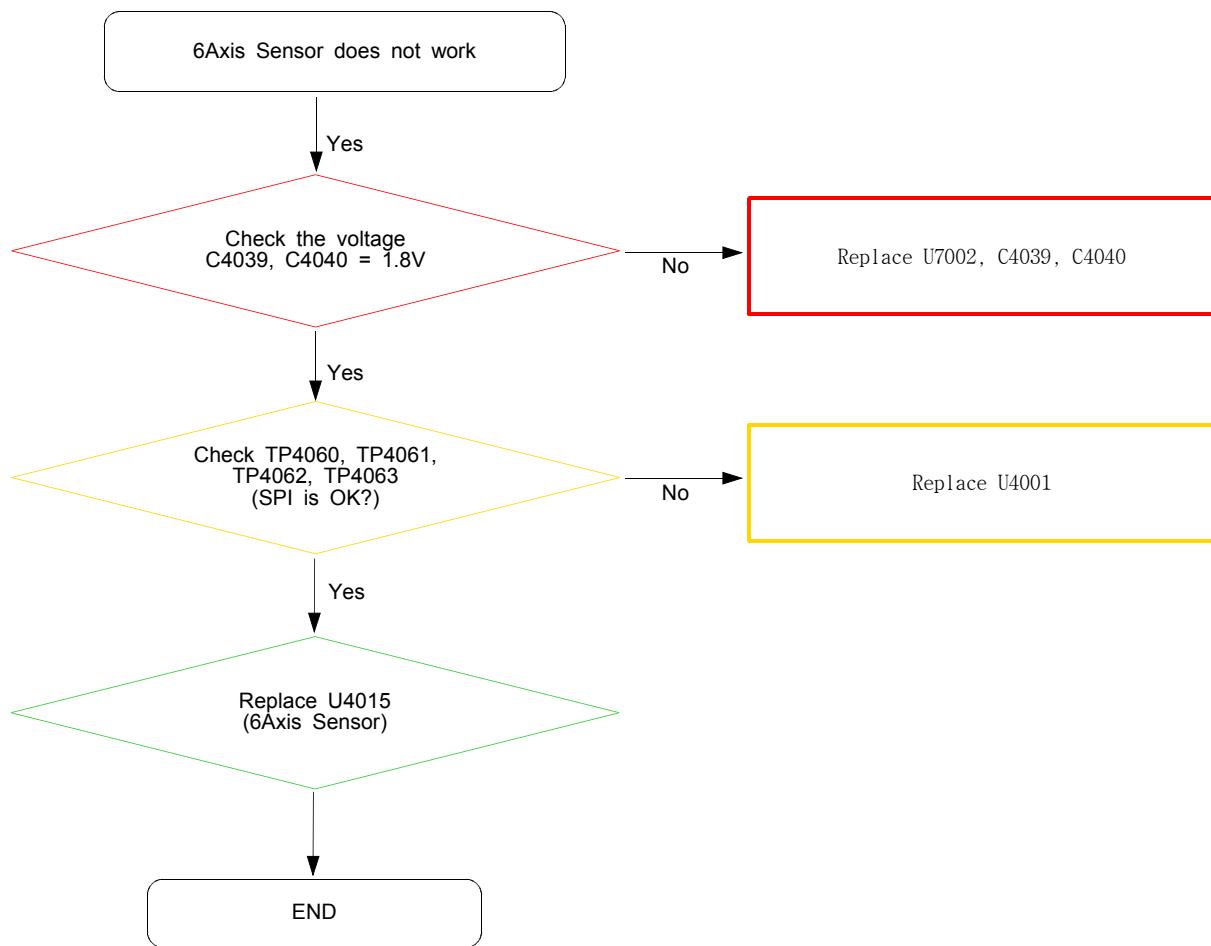


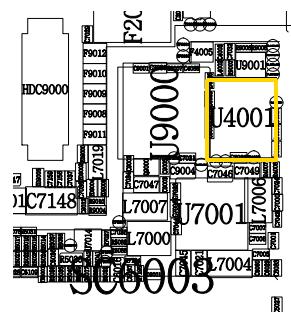
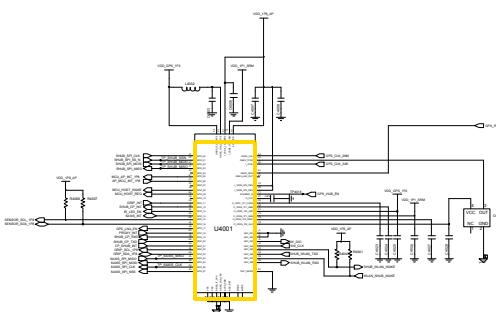
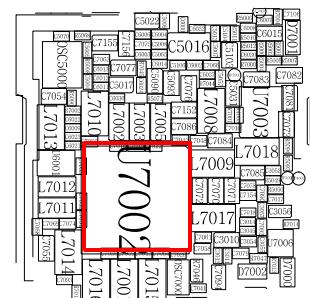
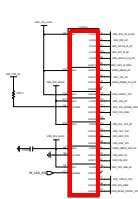
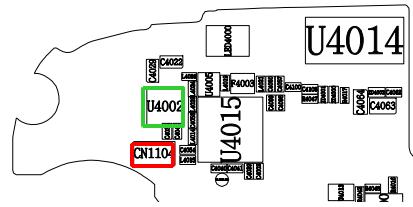
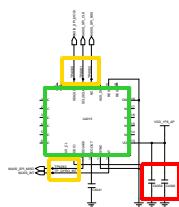
8-3-7-2. Magnetic Sensor



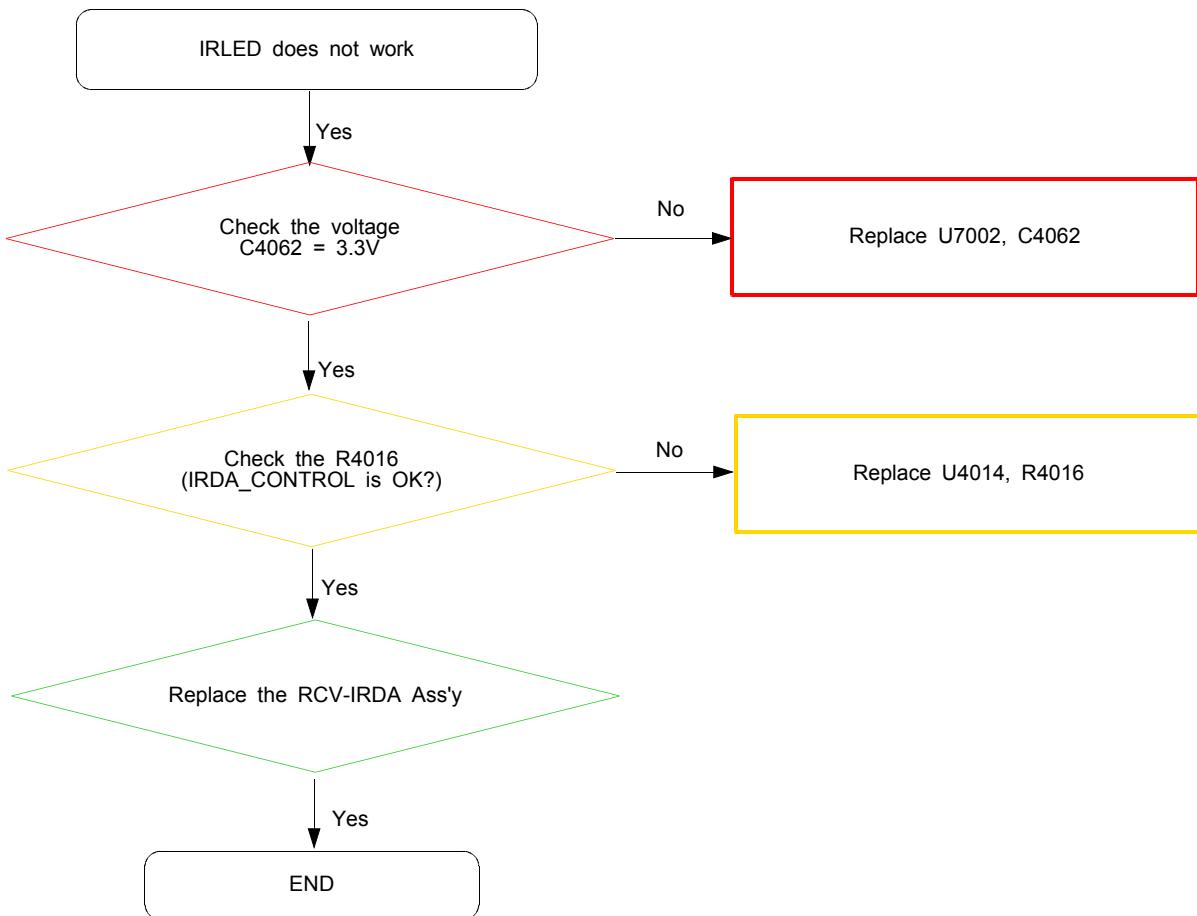


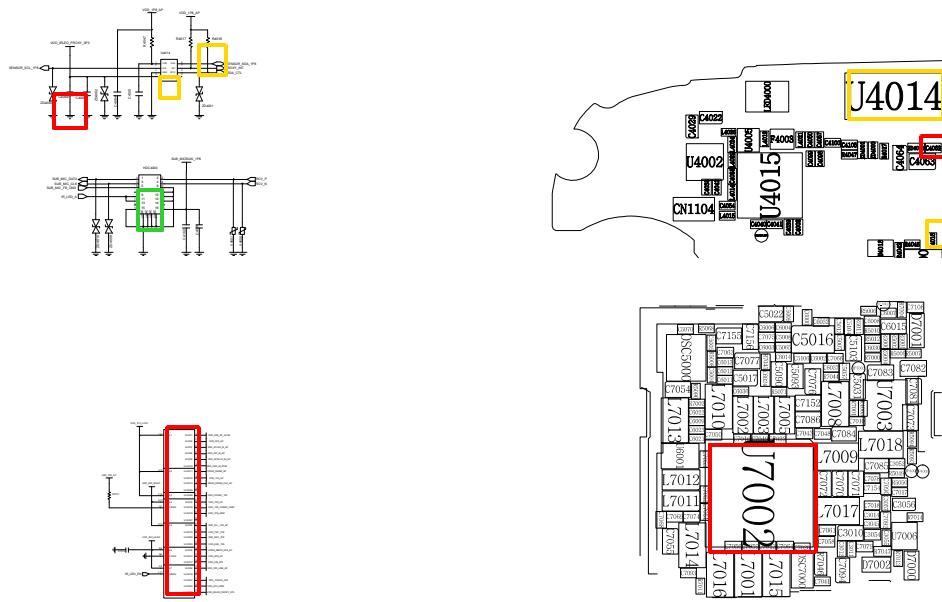
8-3-7-3. 6Axis Sensor



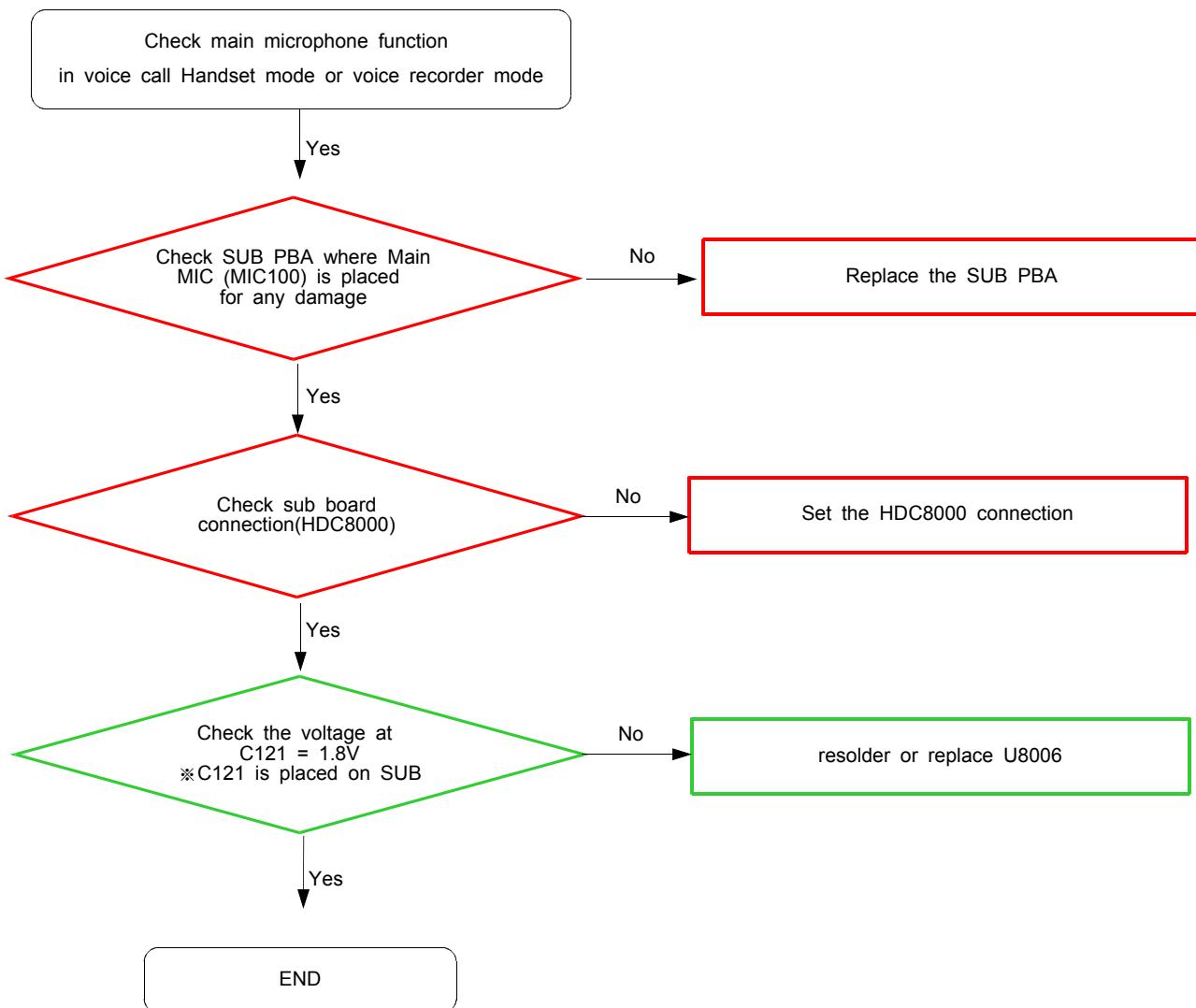


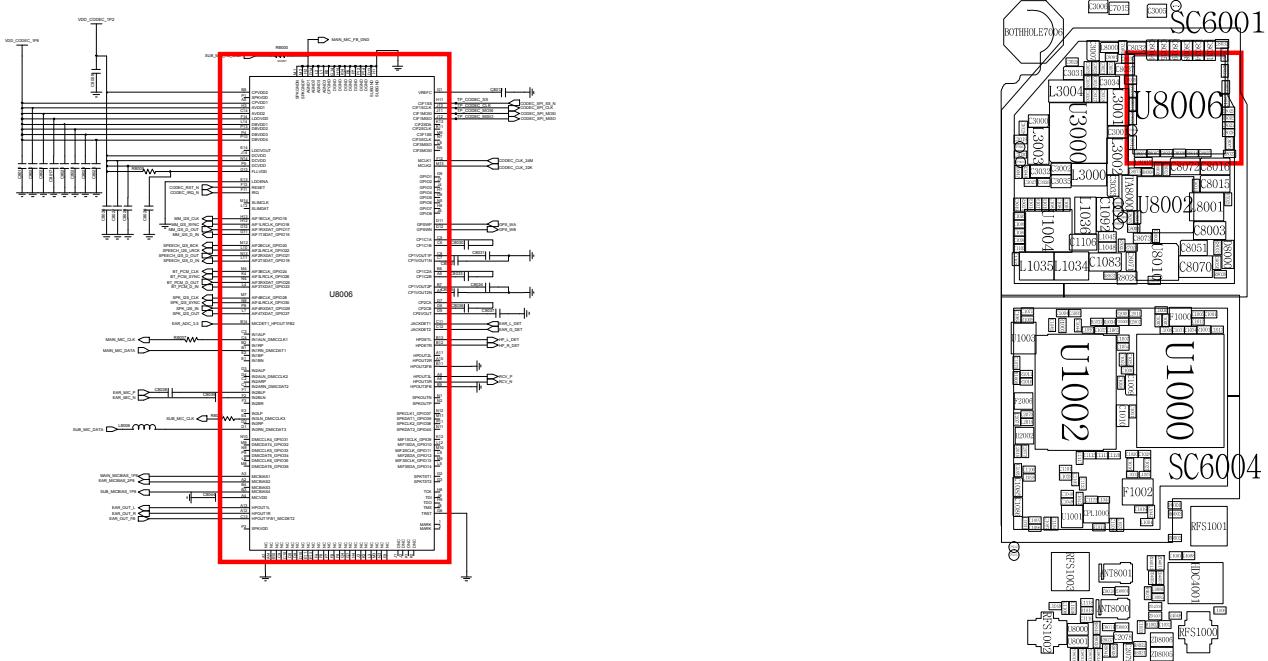
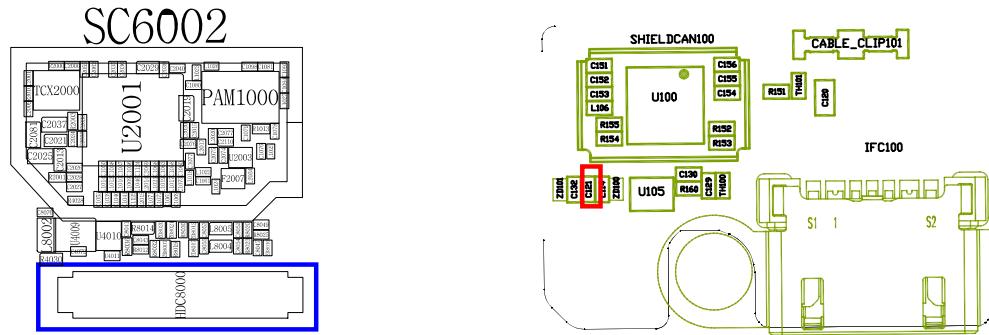
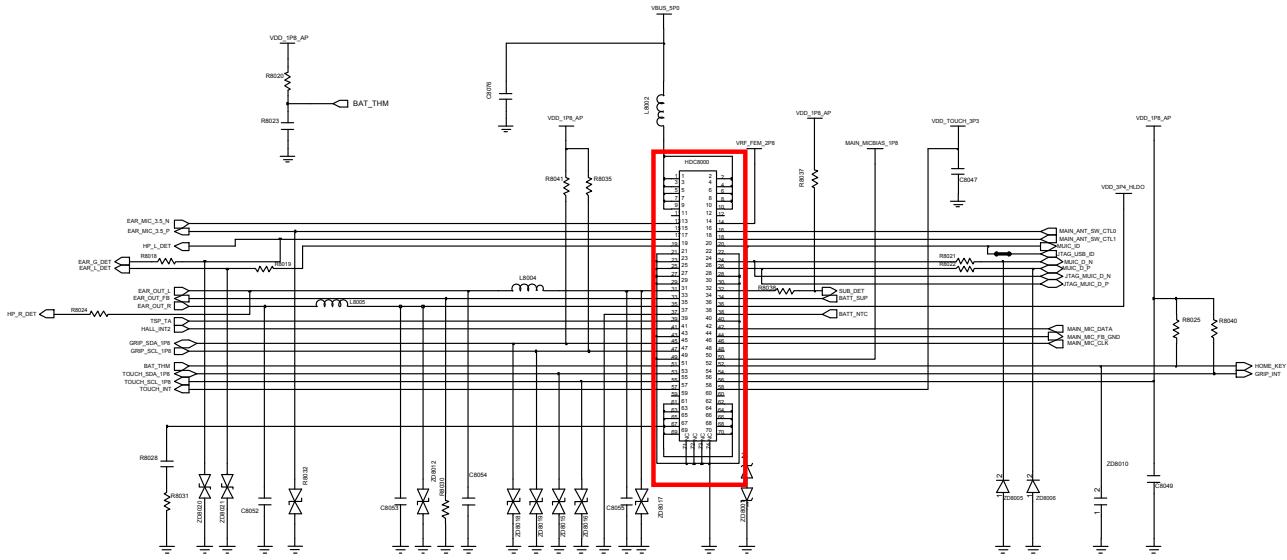
8-3-8. IRLED



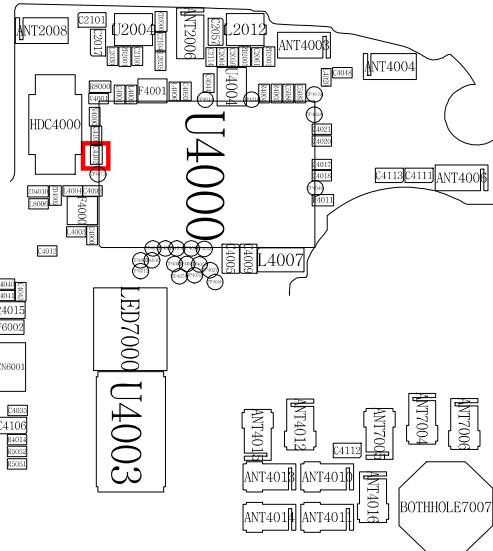
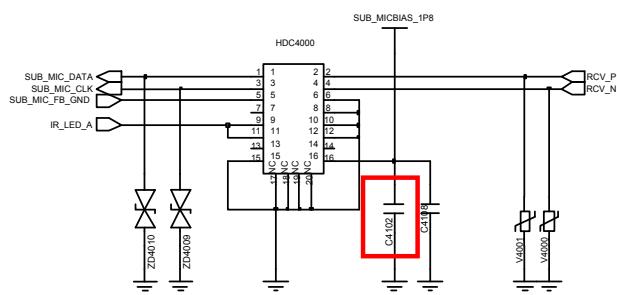
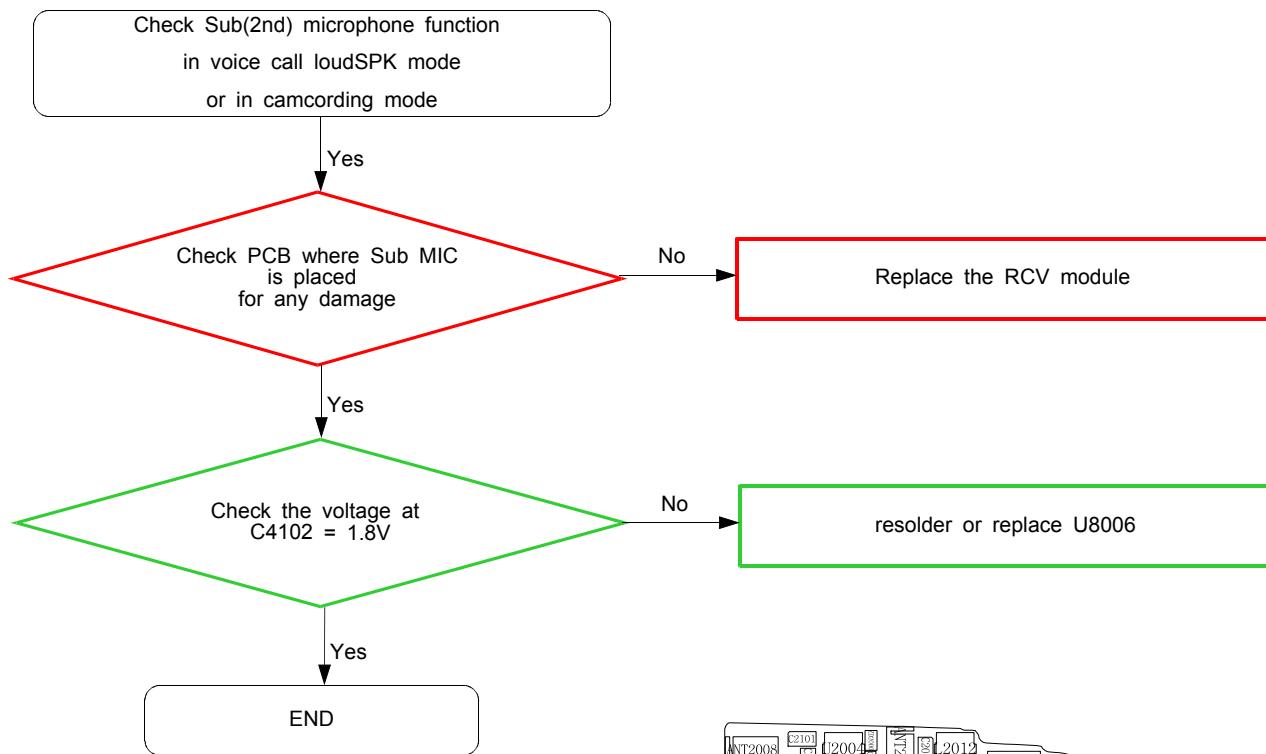


8-3-8-1 Microphone Part - Main MIC

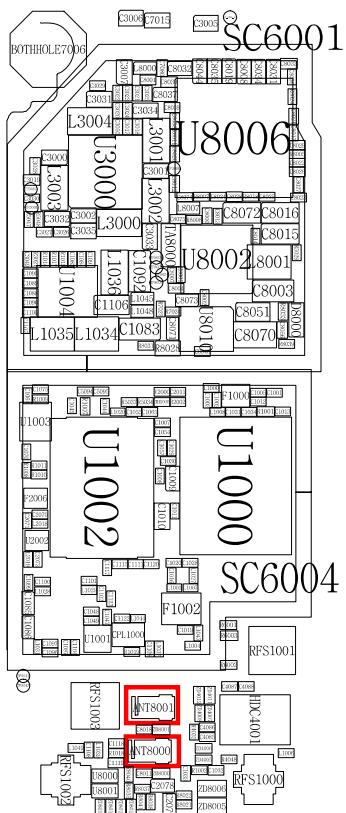
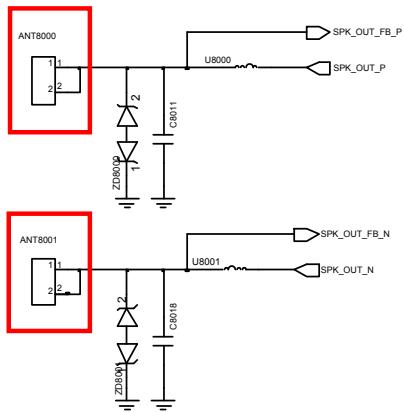
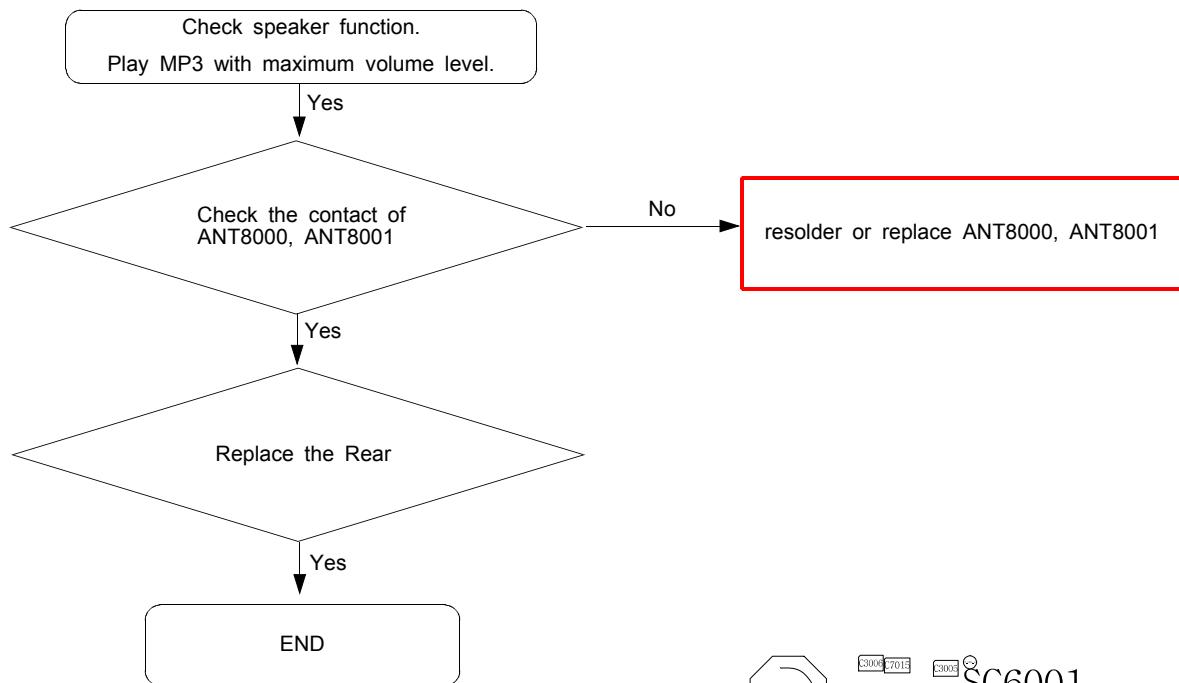




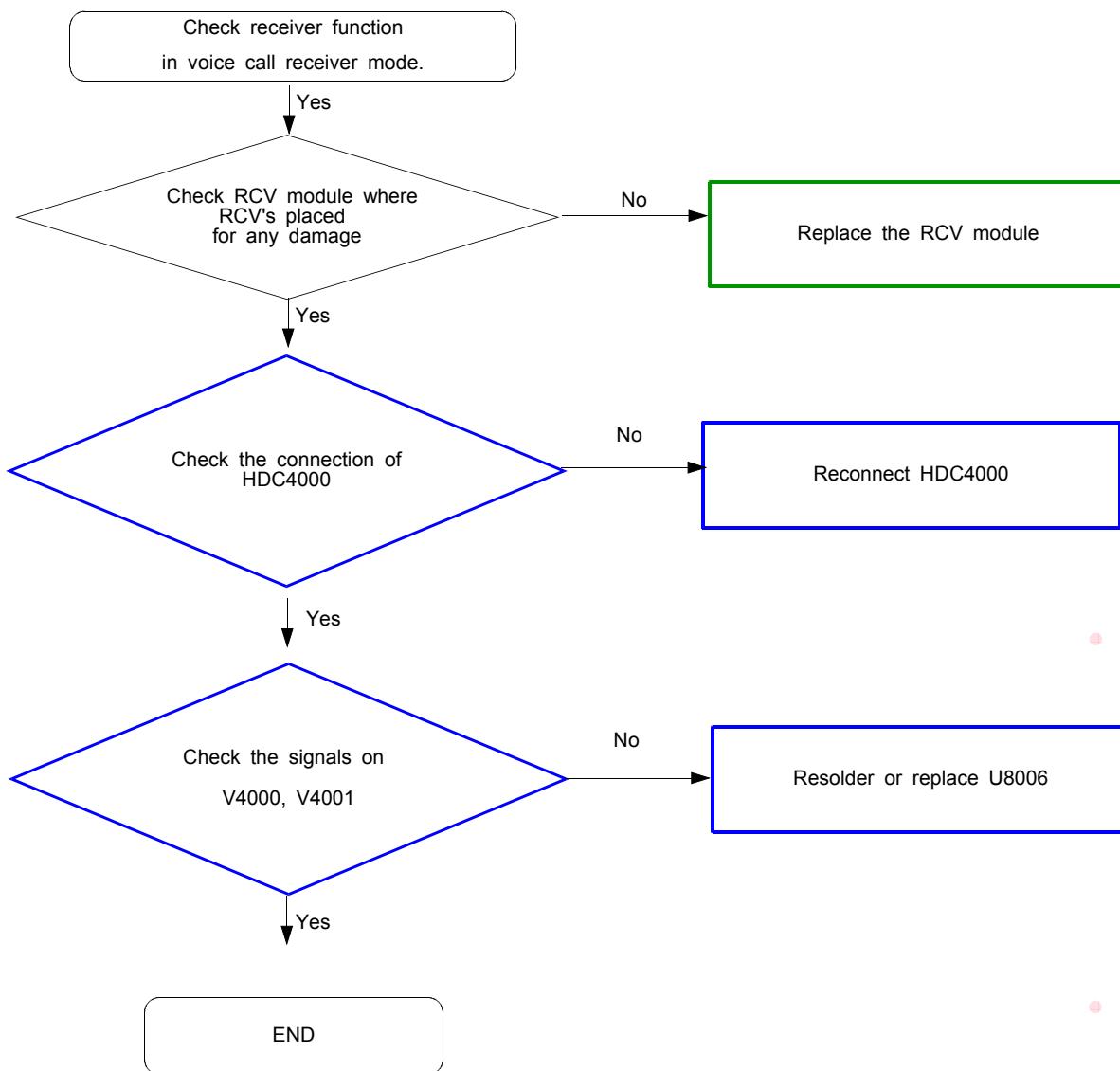
8-3-8-2. Microphone Part - Sub(2nd) MIC

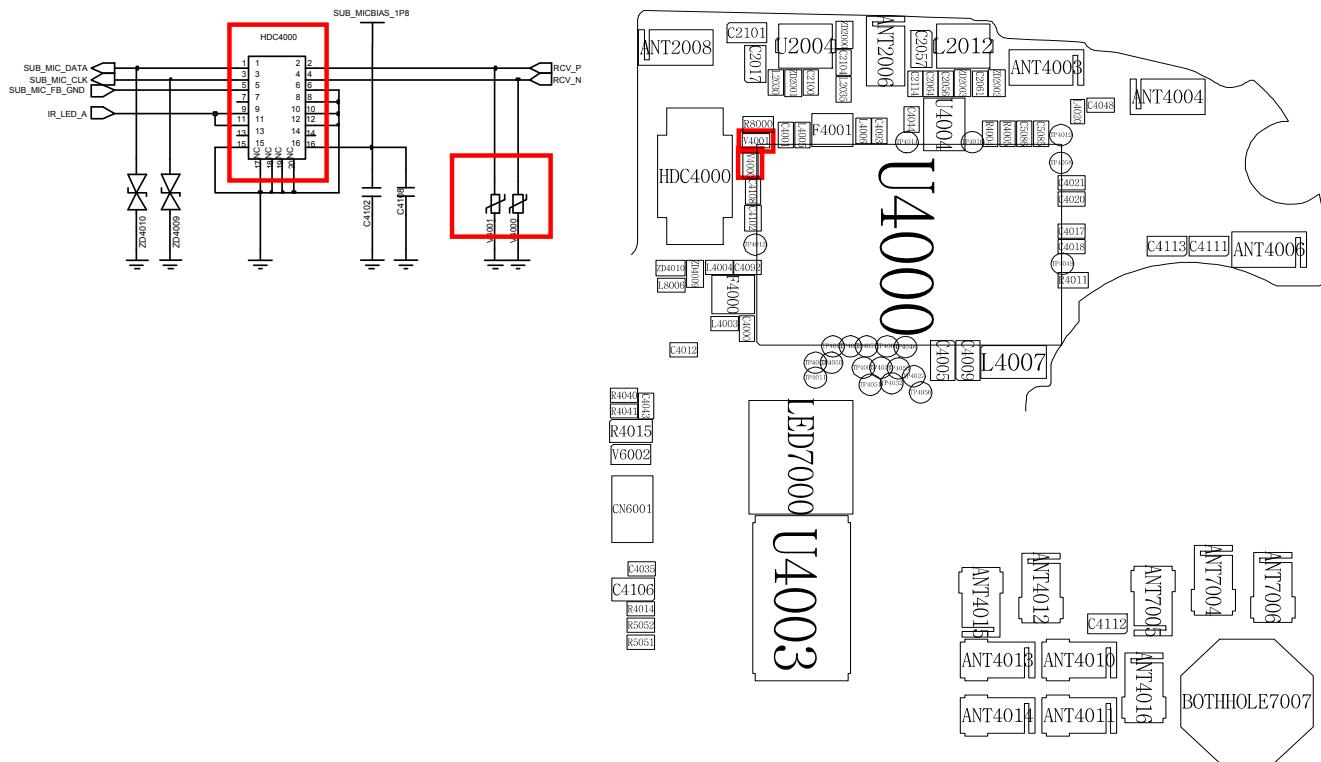


8-3-9. Speaker Part

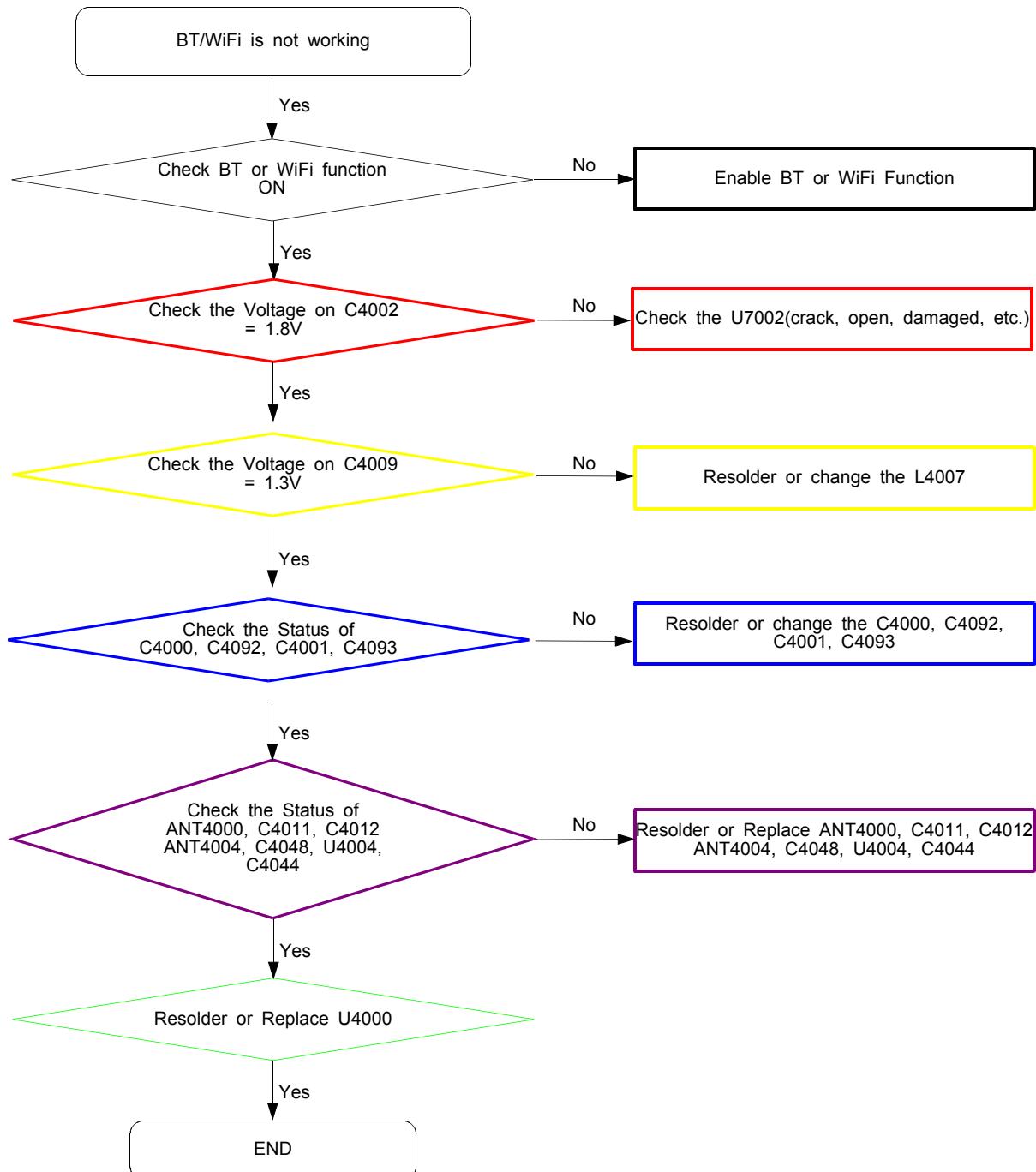


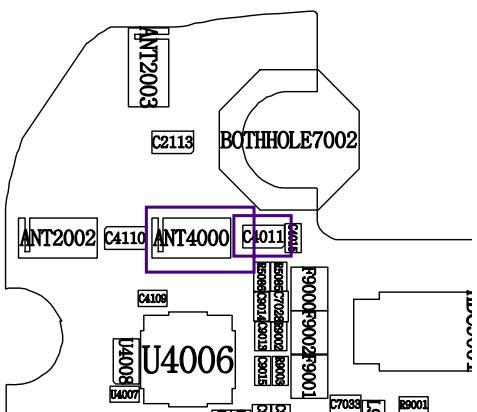
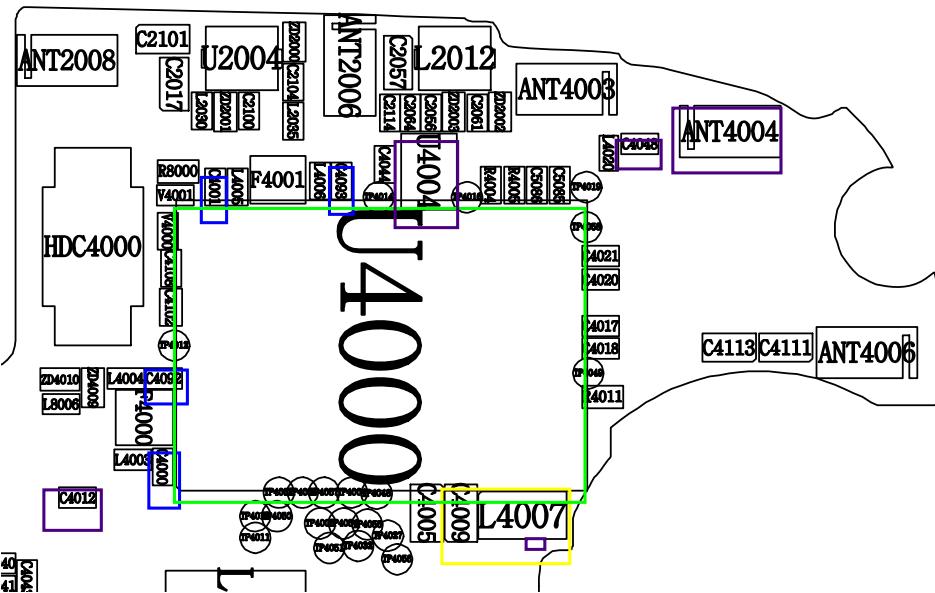
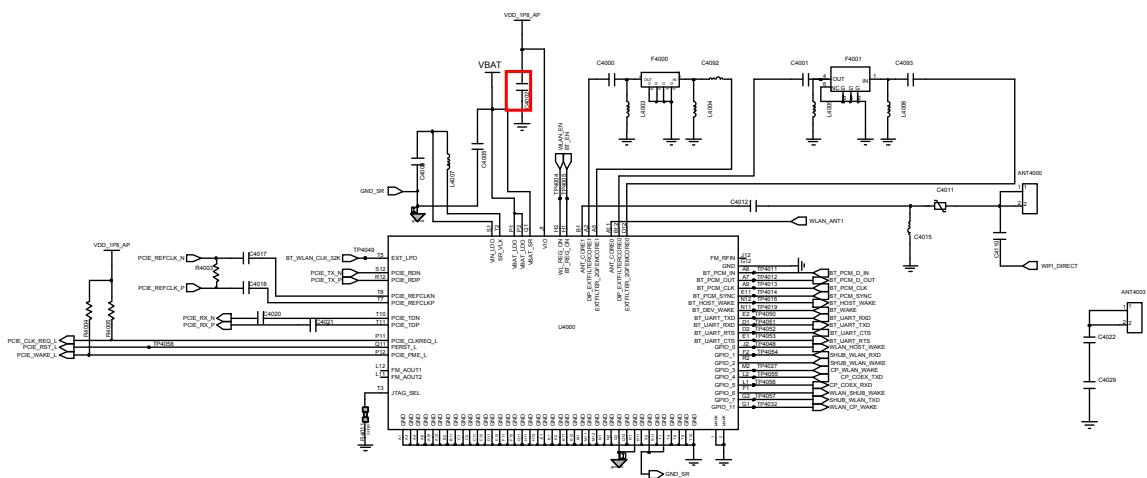
8-3-10. Receiver Part

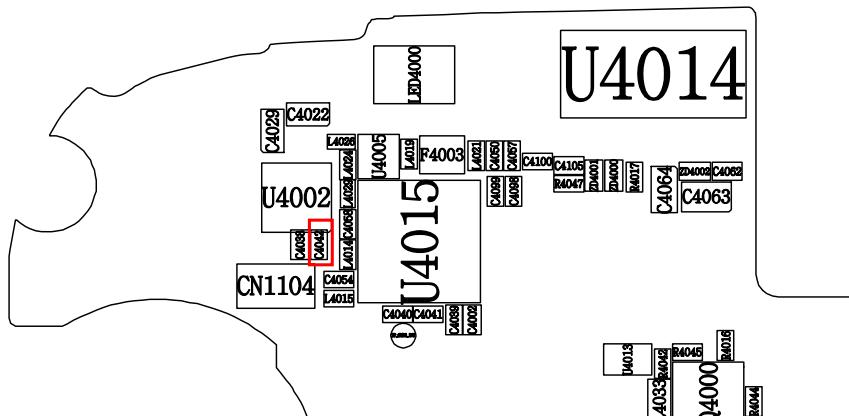




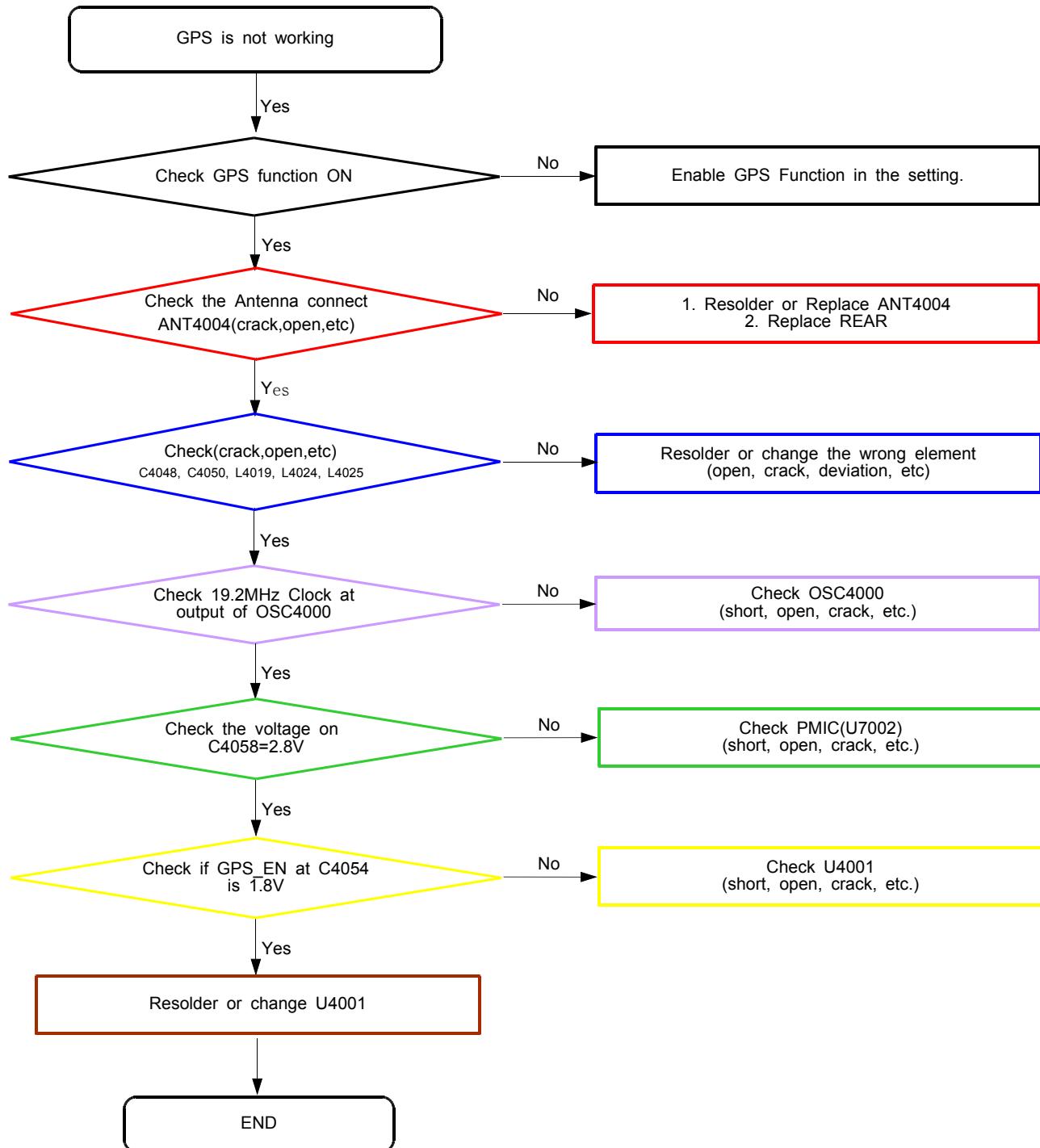
8-3-12. BT/WIFI

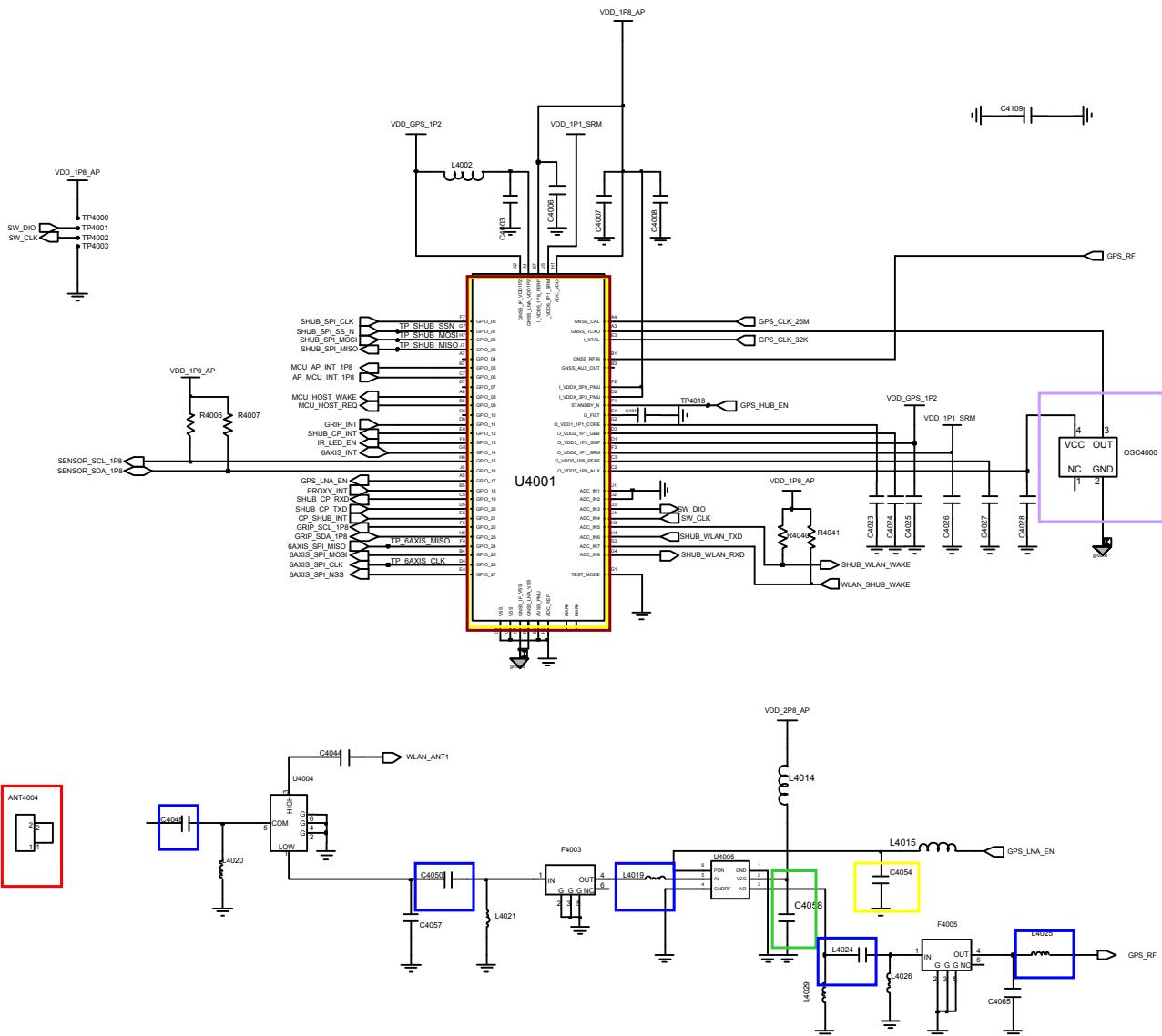




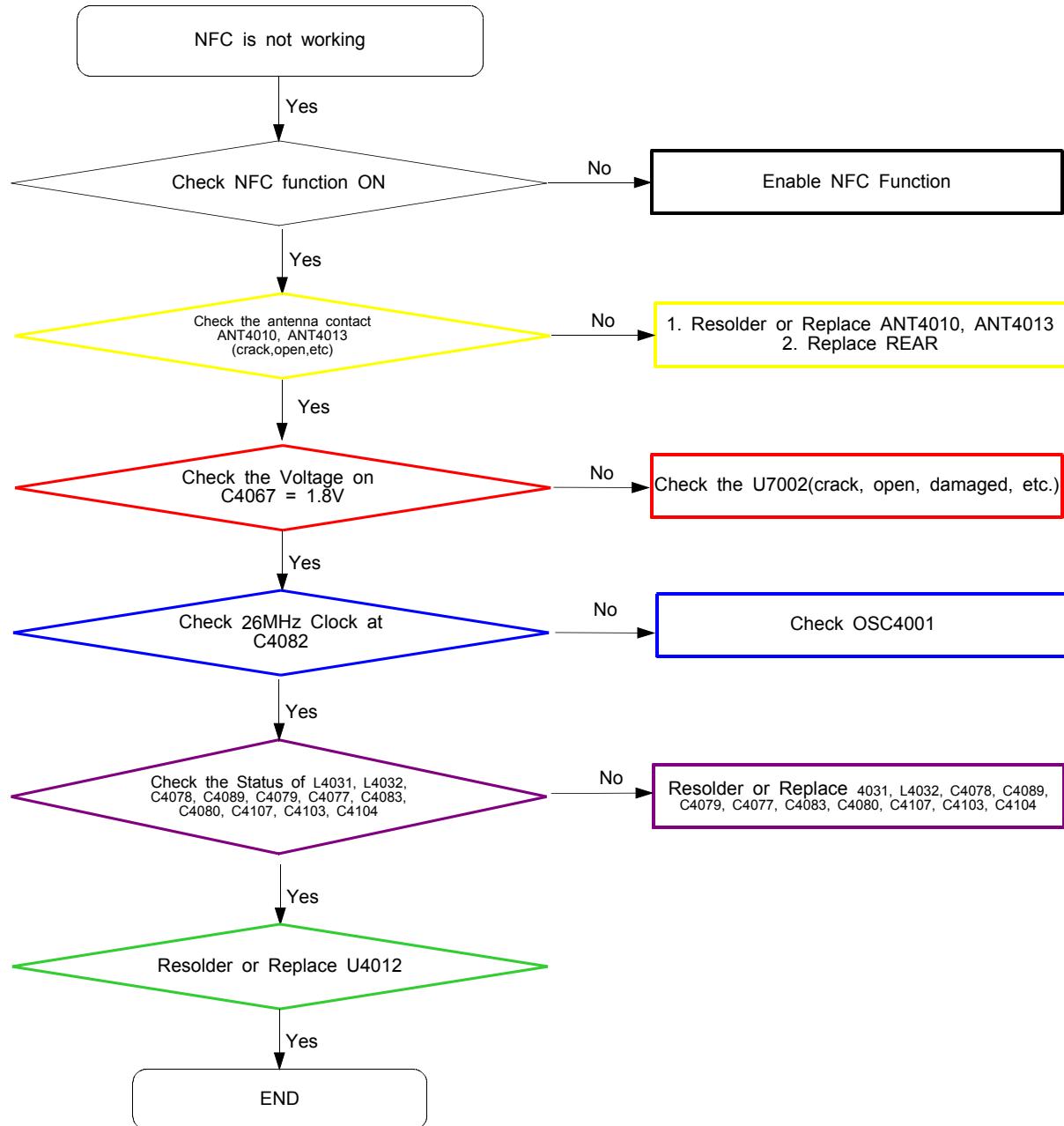


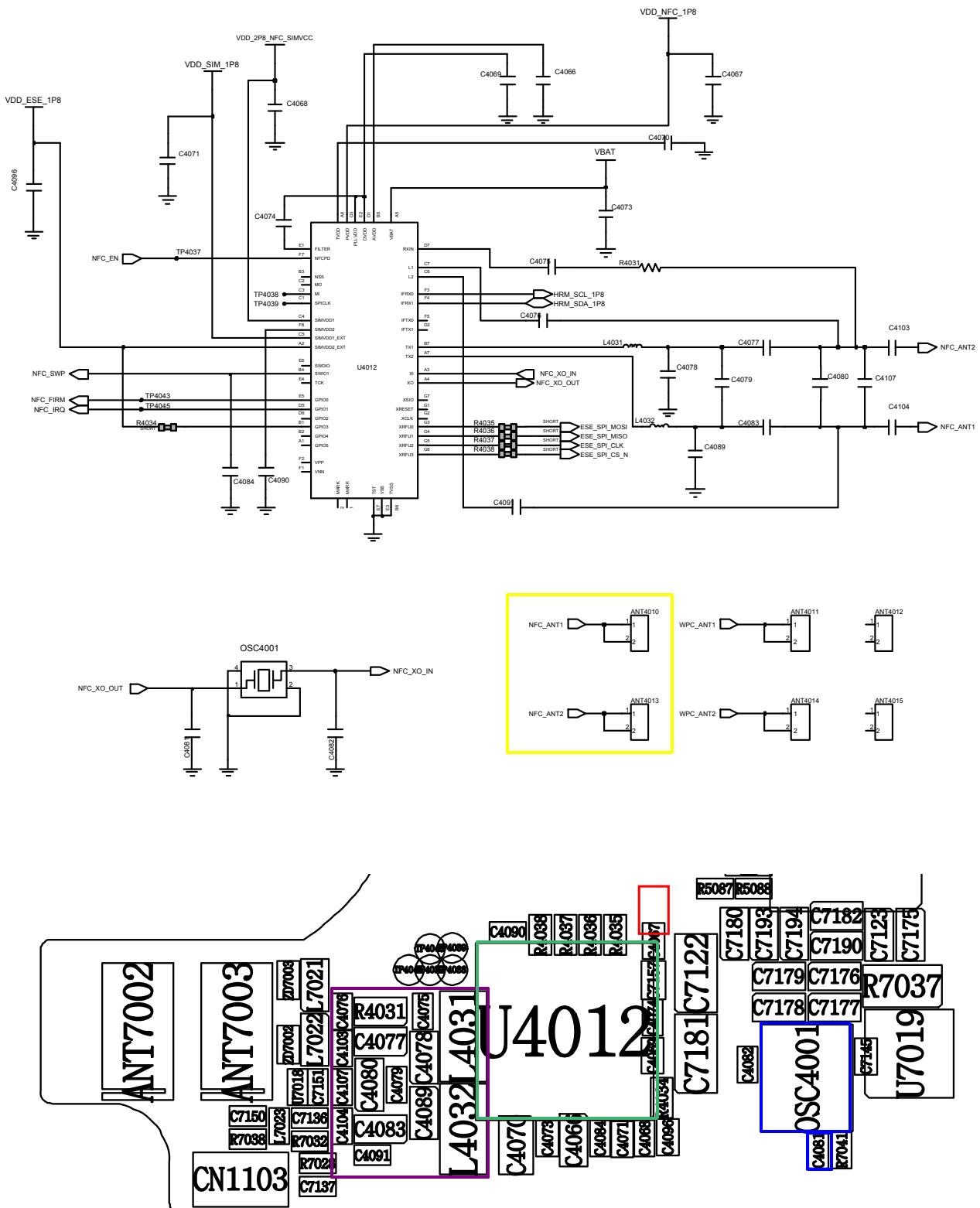
8-3-13. GPS



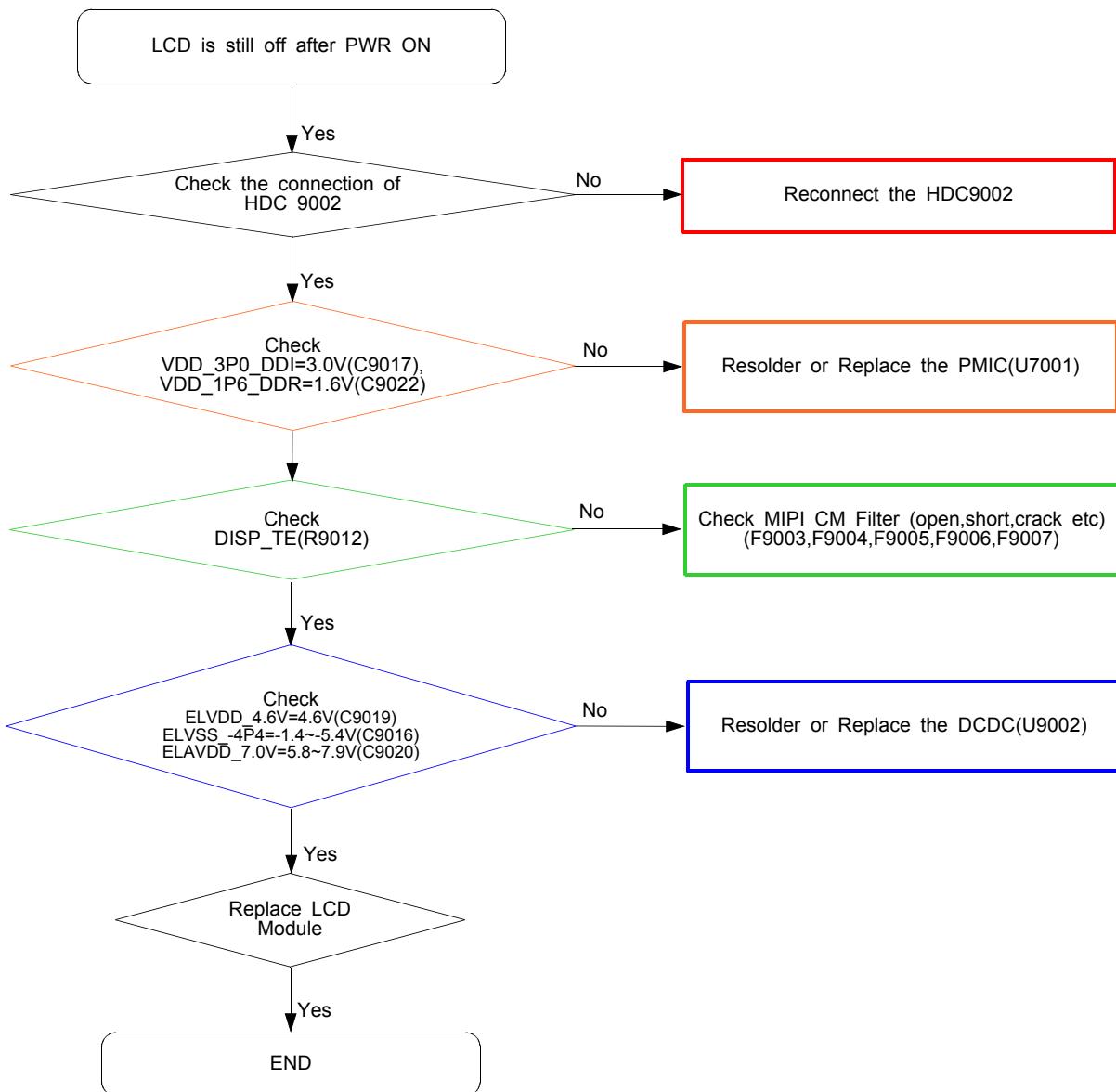


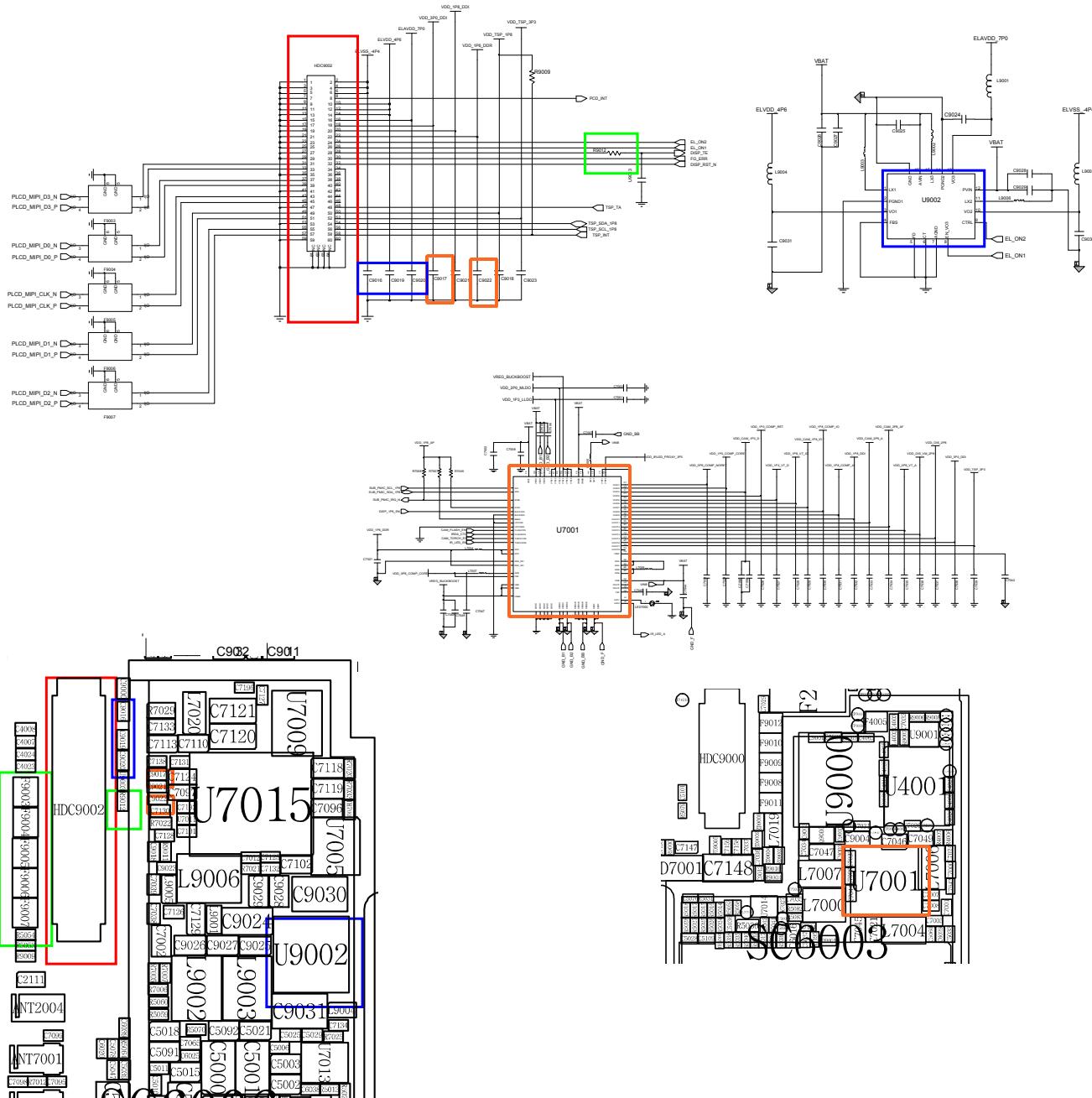
8-3-14. NFC



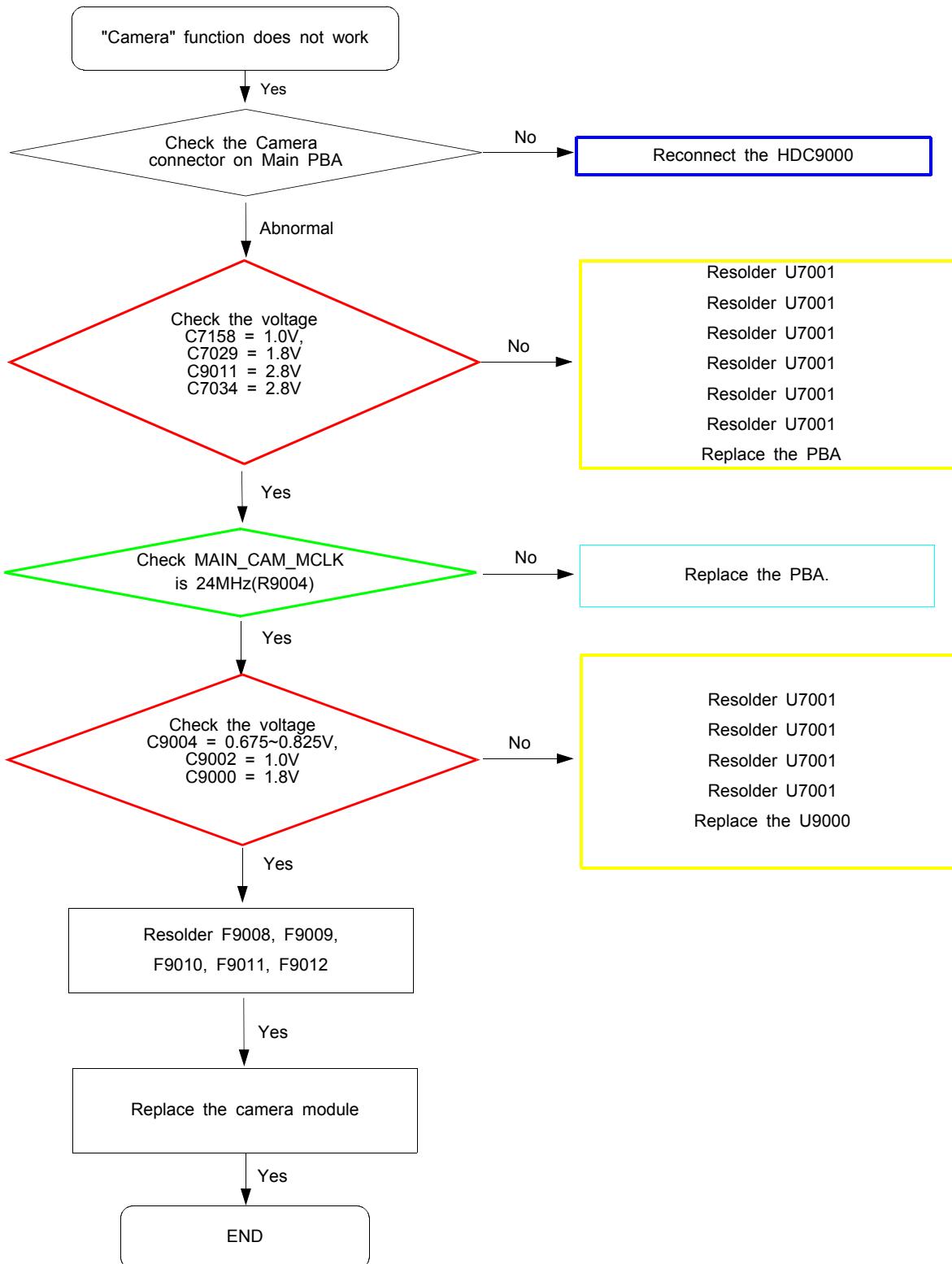


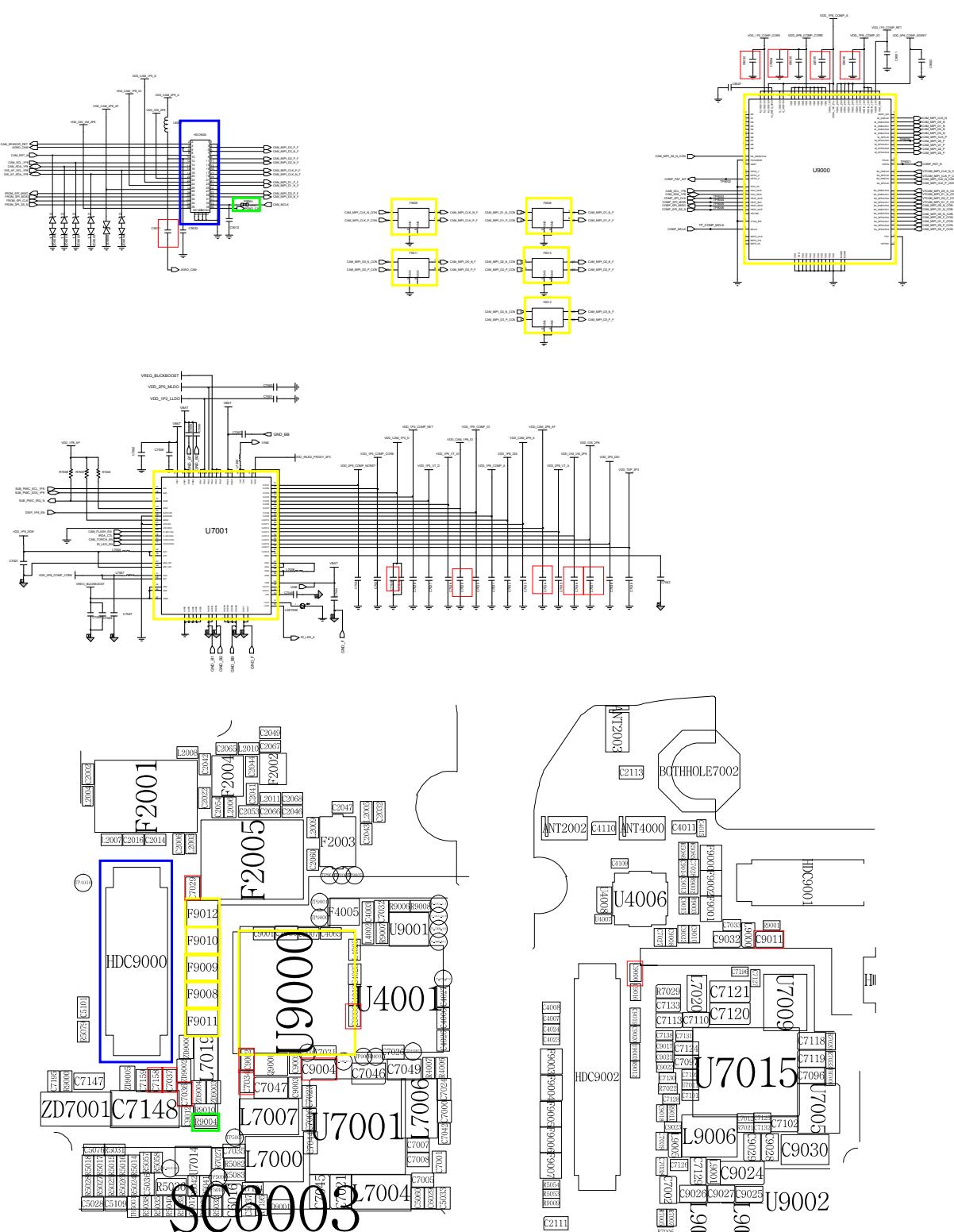
8-3-15. Display



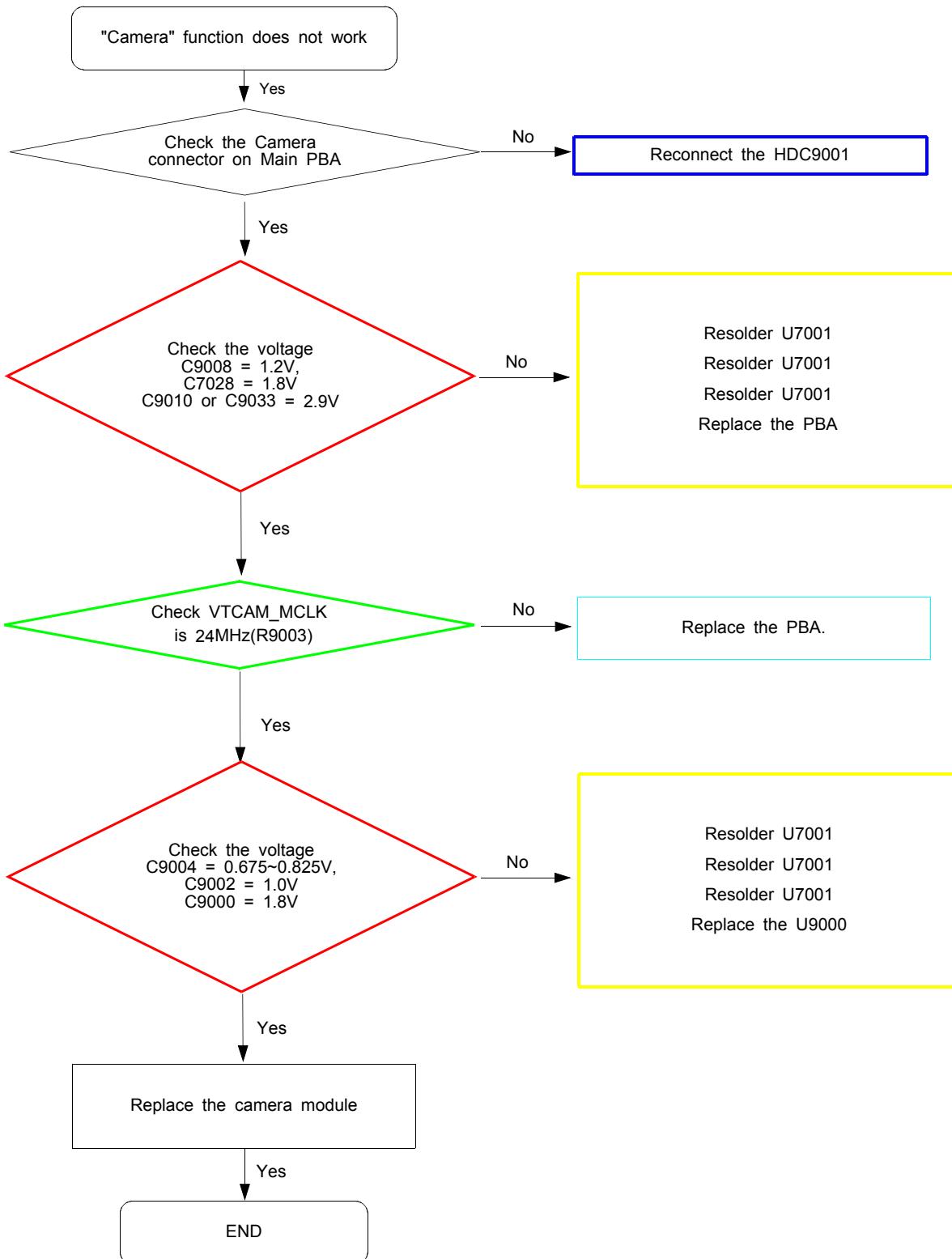


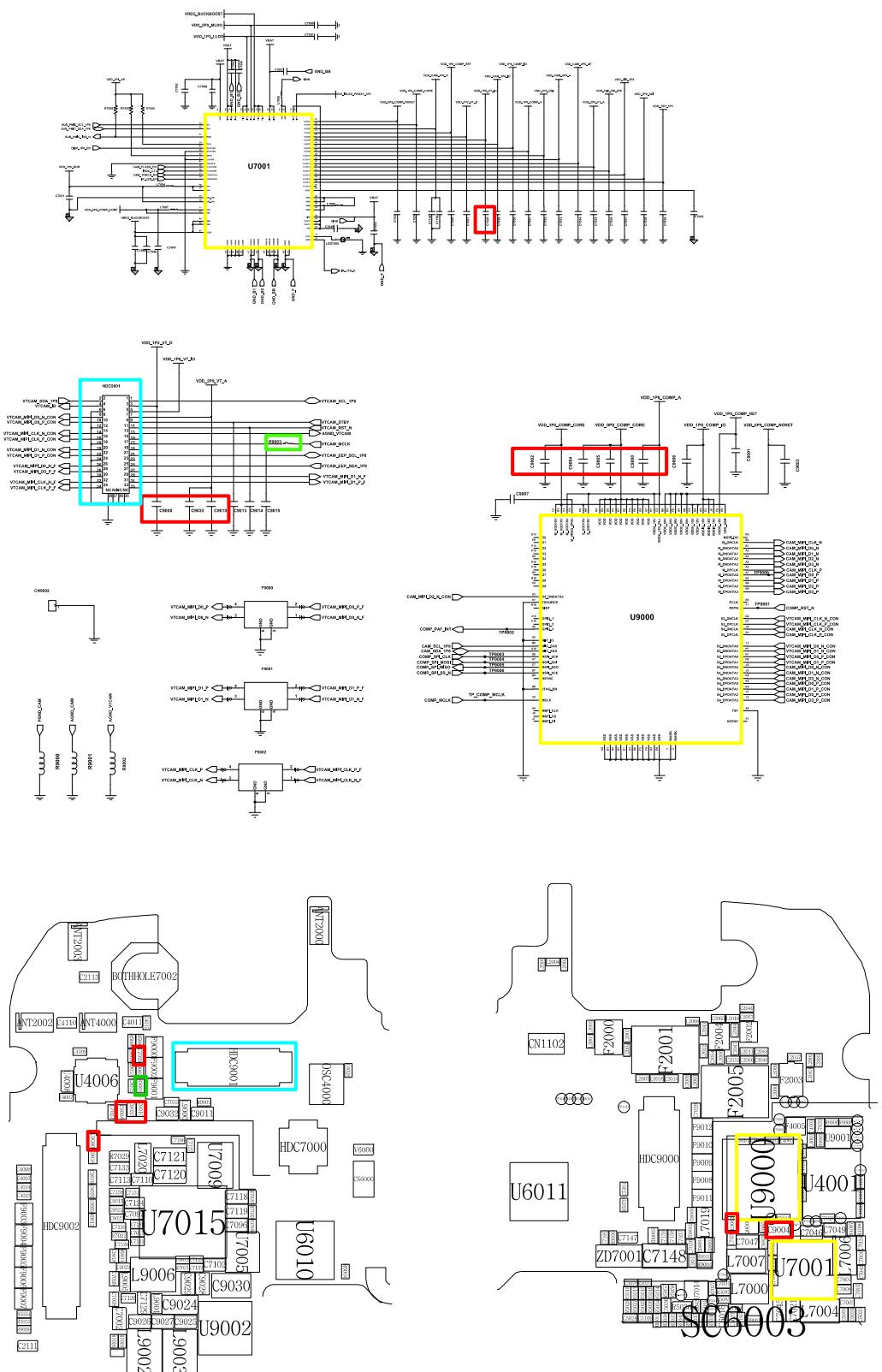
8-3-16. 16M CAM



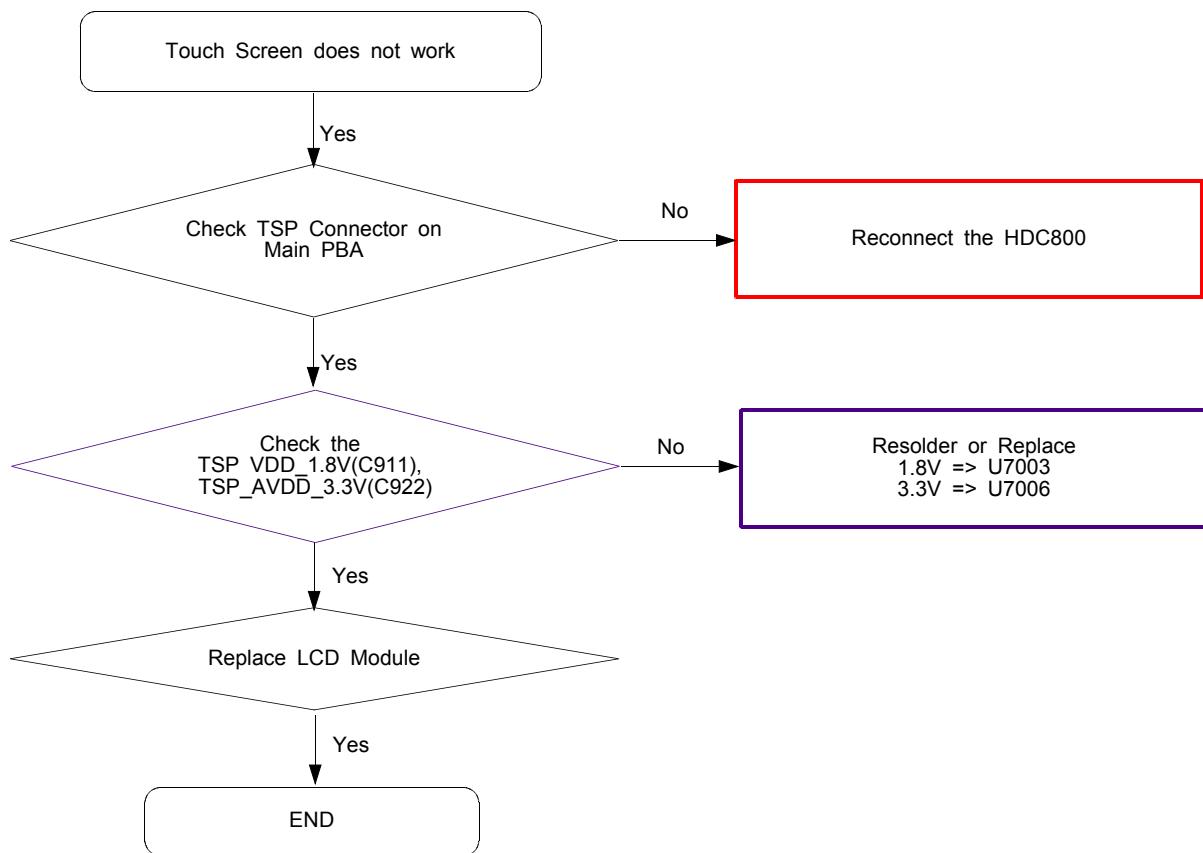


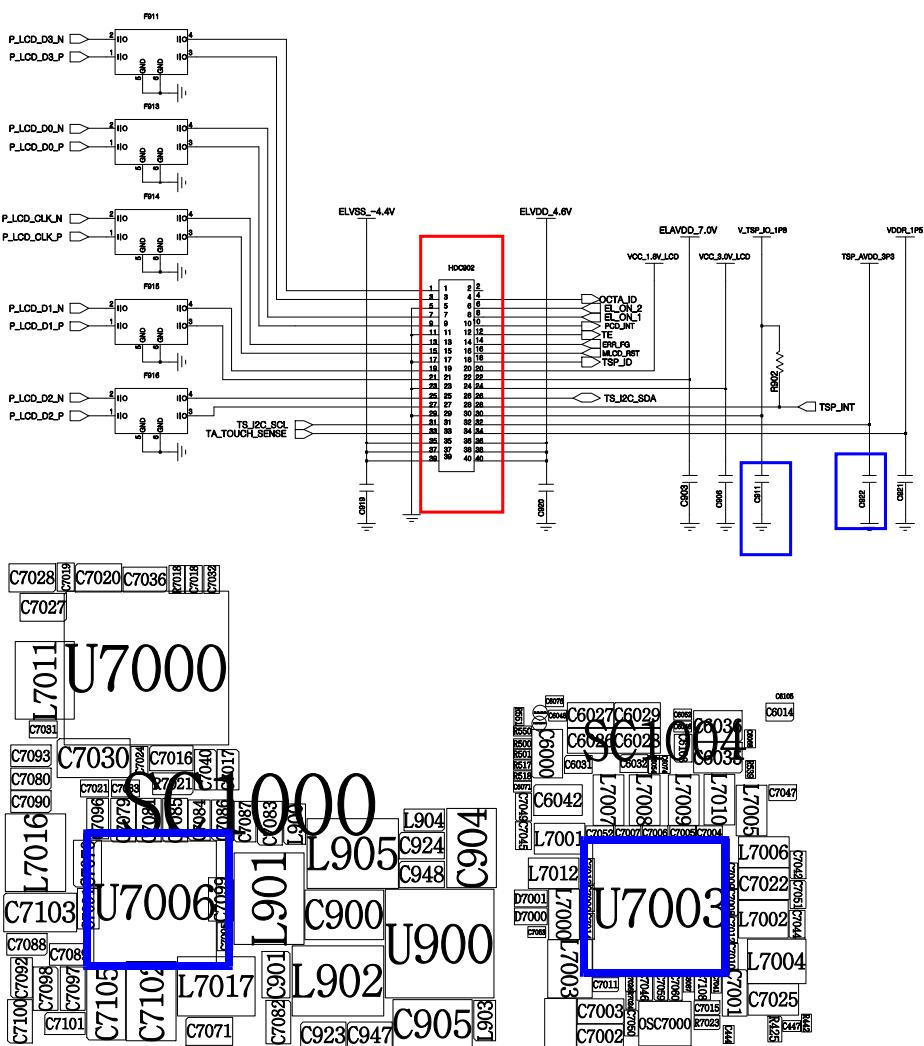
8-3-17. 5M CAM



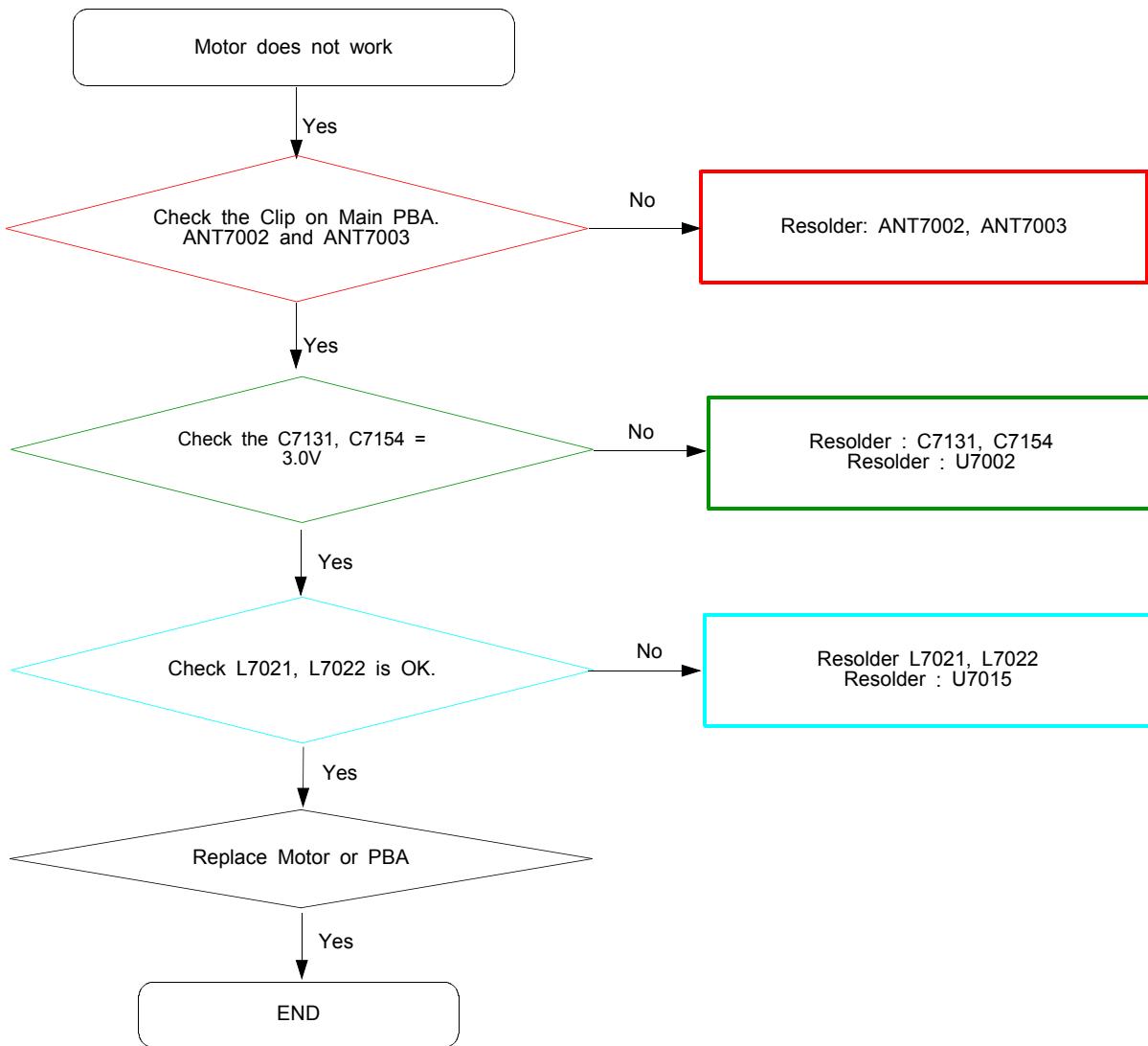


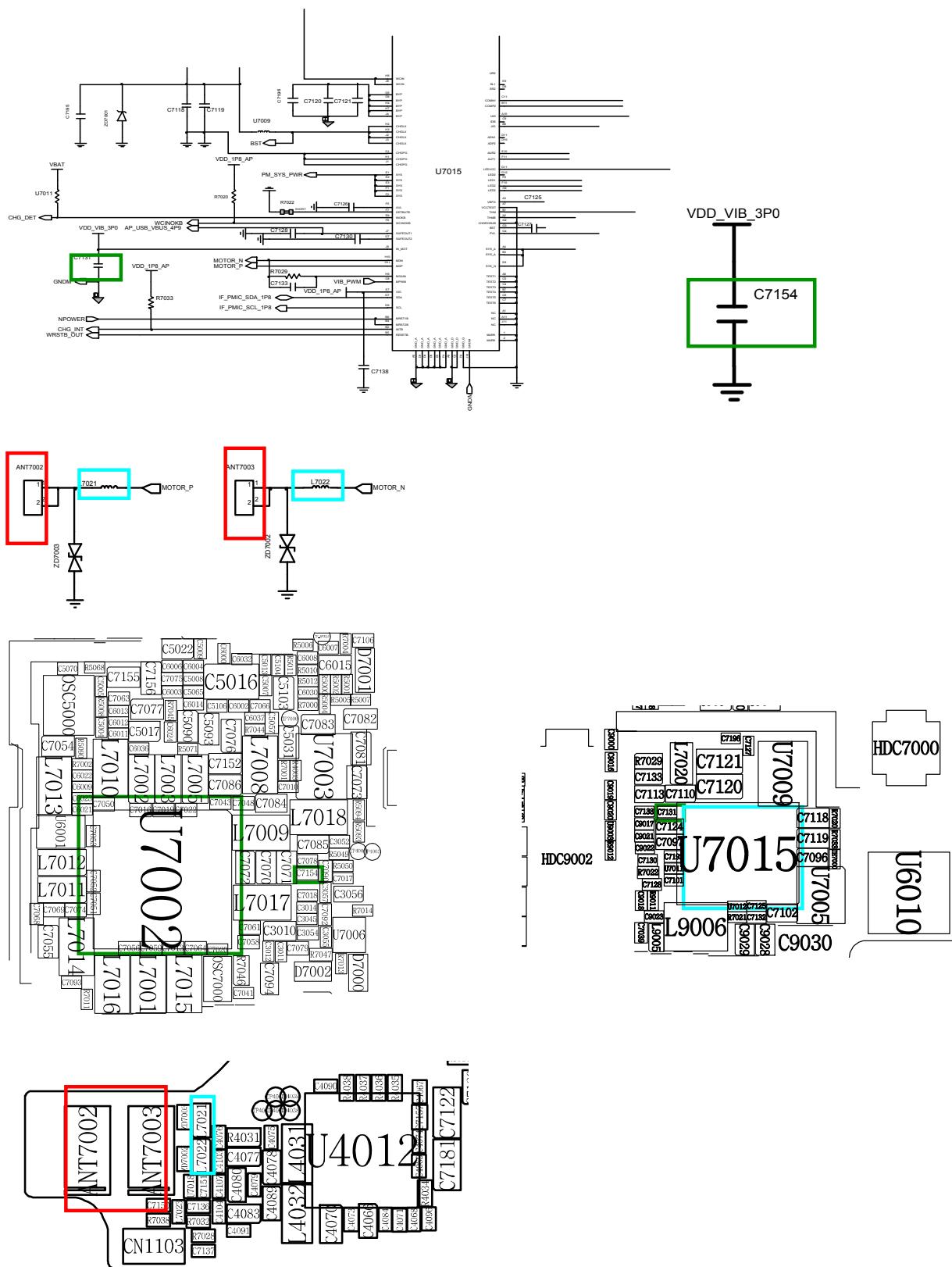
8-3-18. TSP



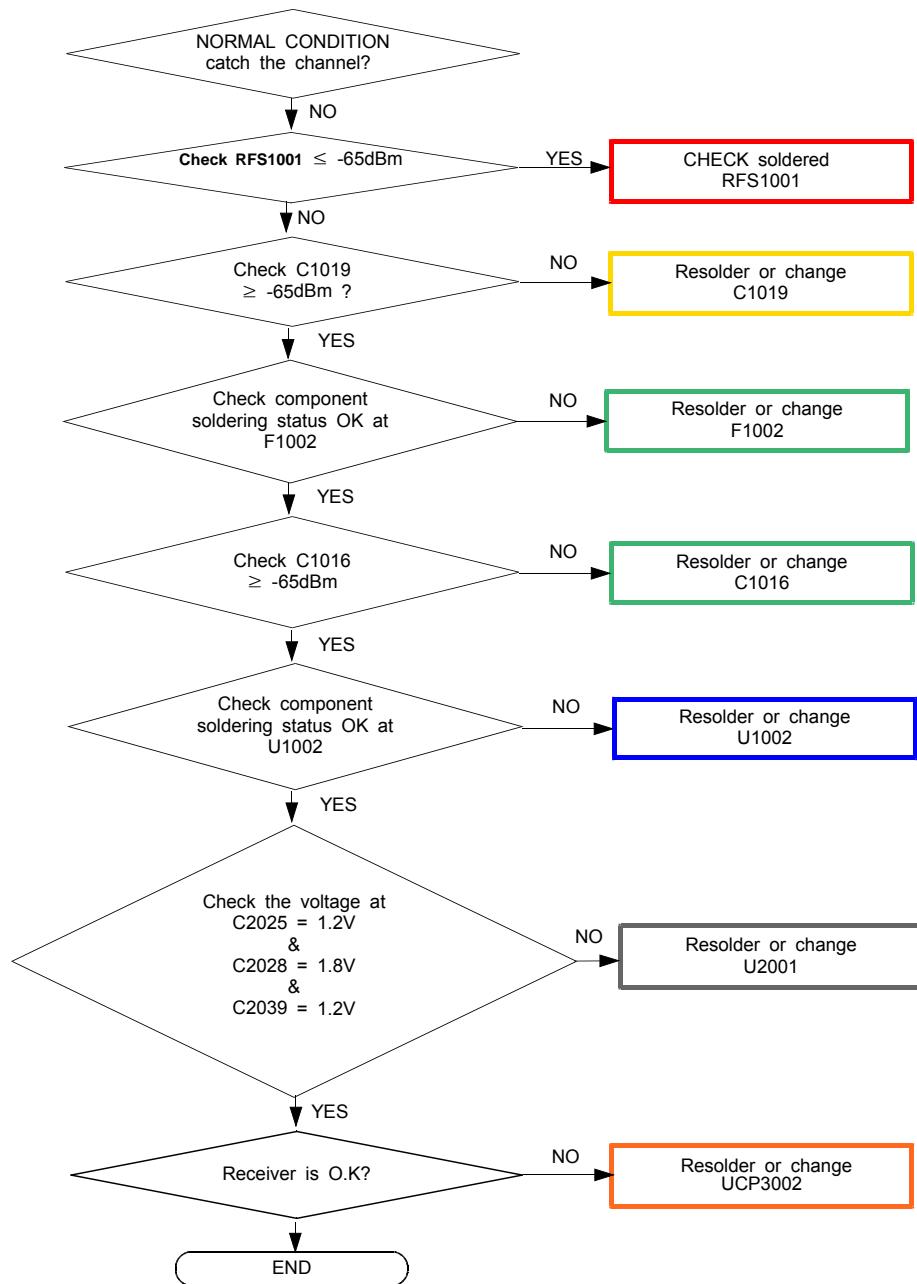


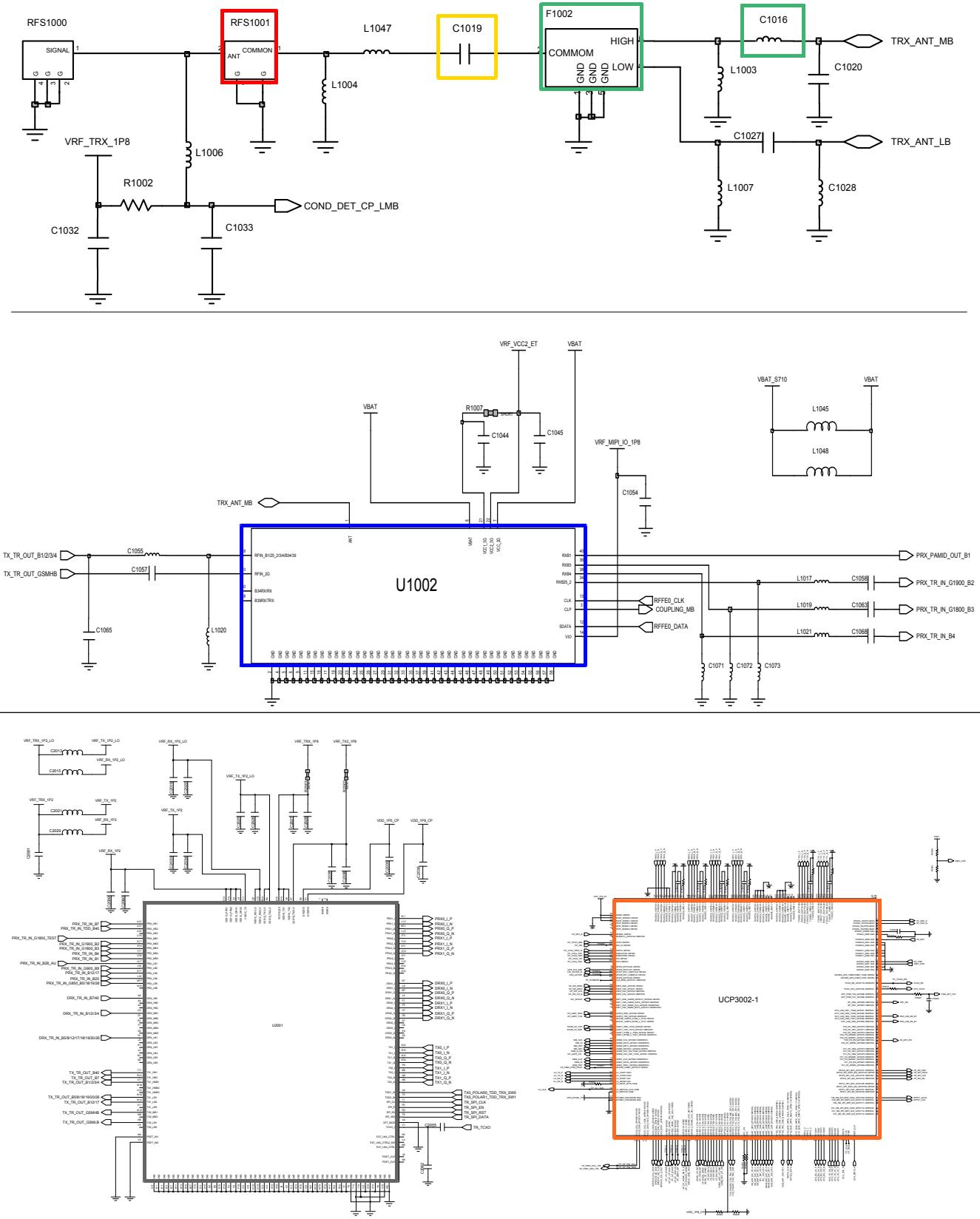
8-3-19. Motor

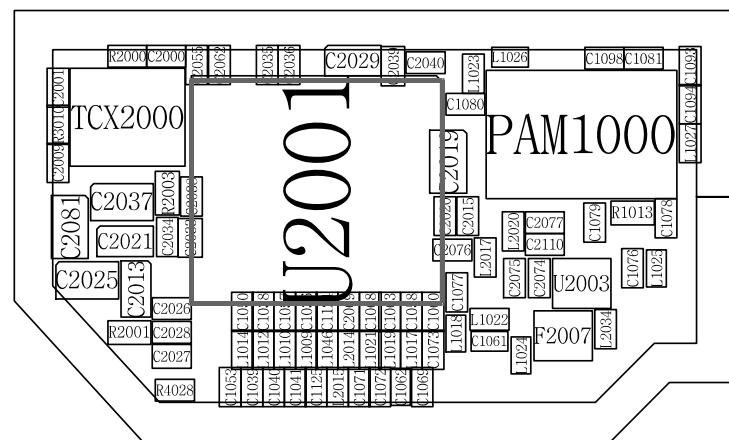
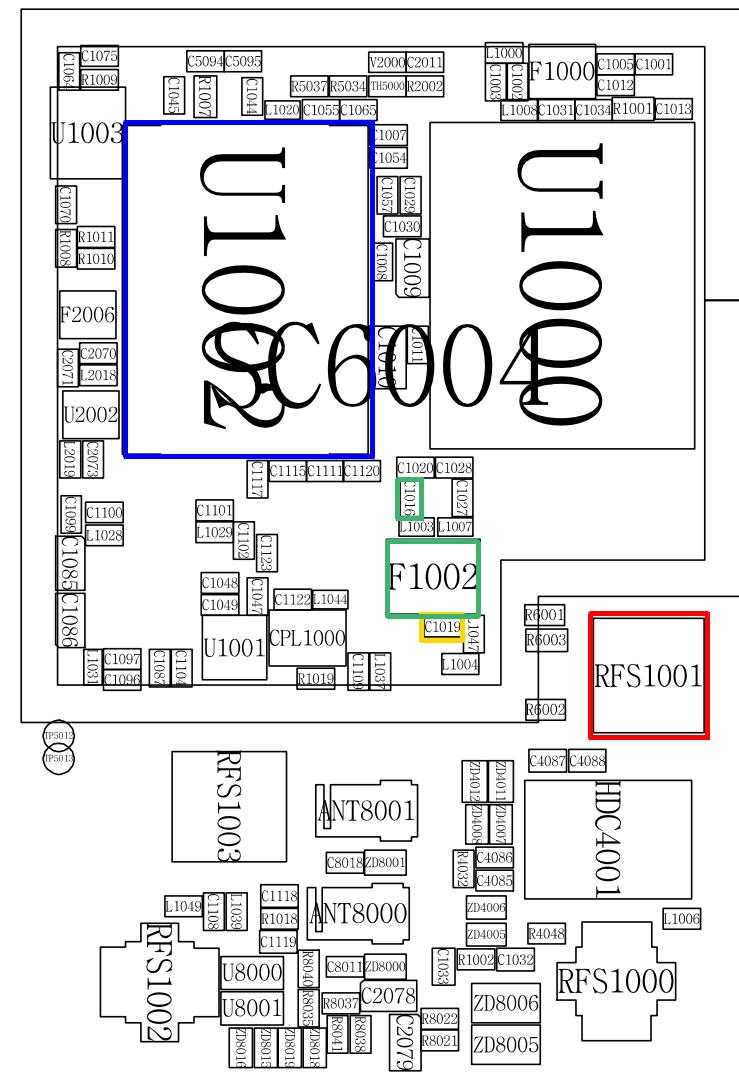




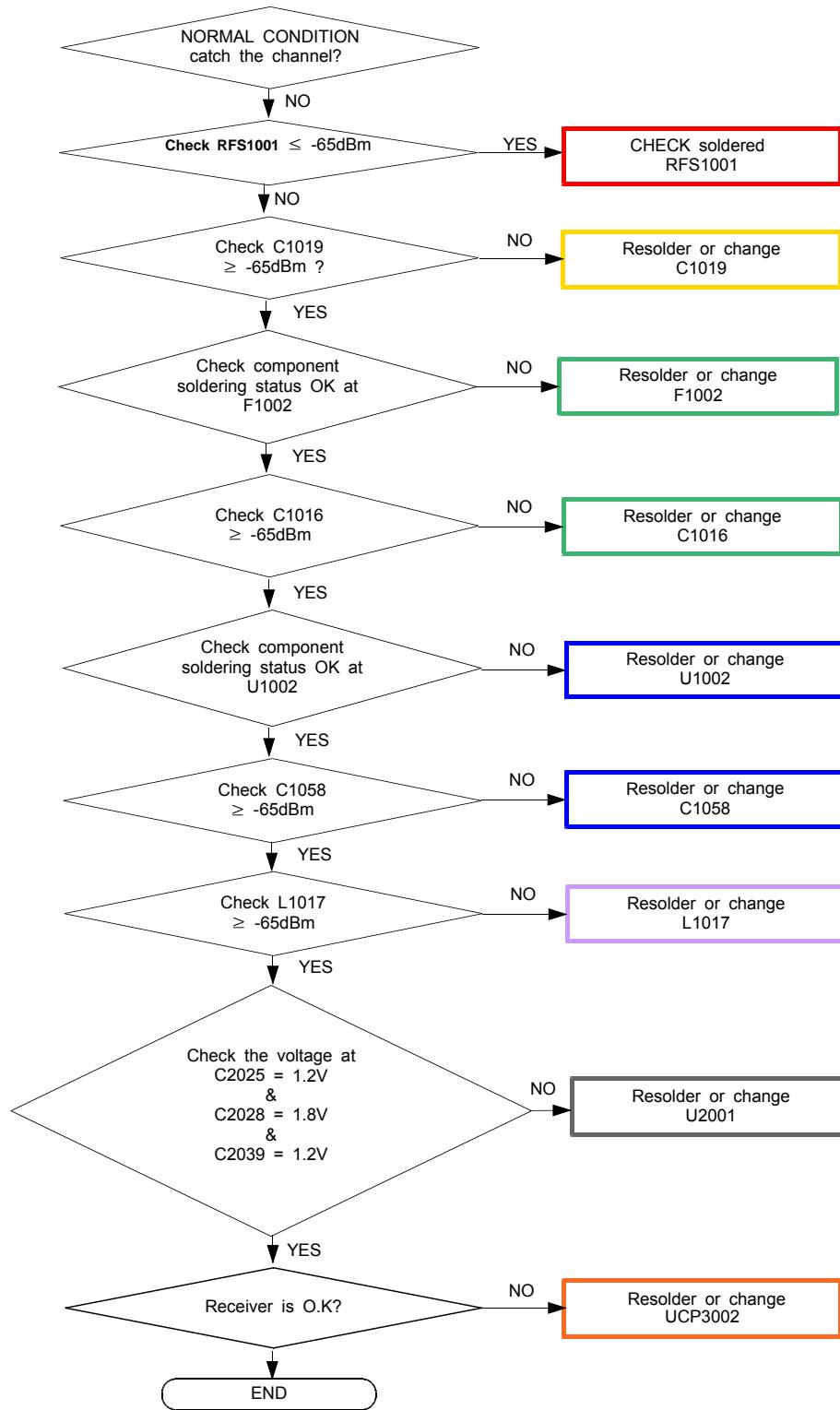
8-3-20. WCDMA 1 / LTE 1 Rx

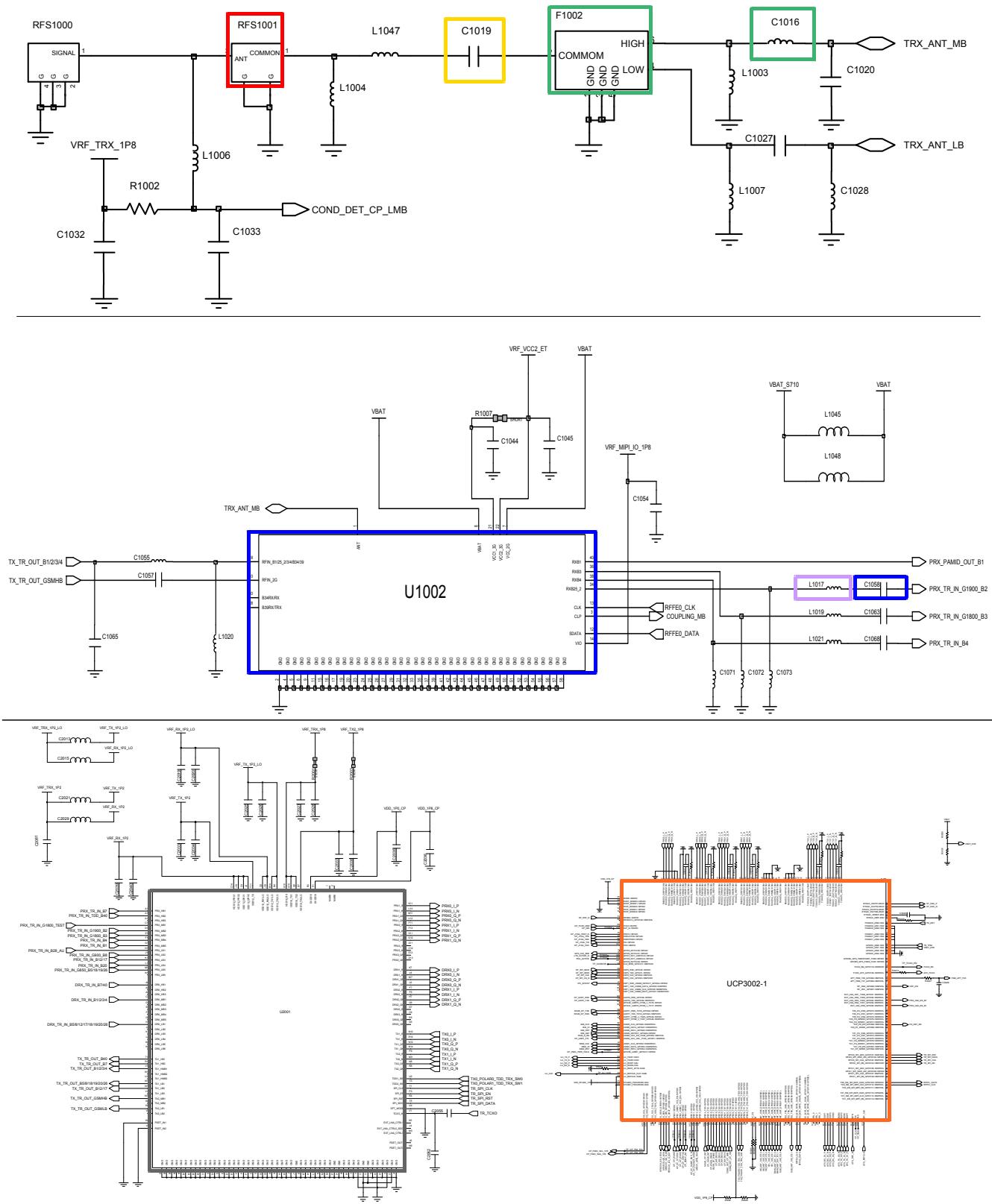


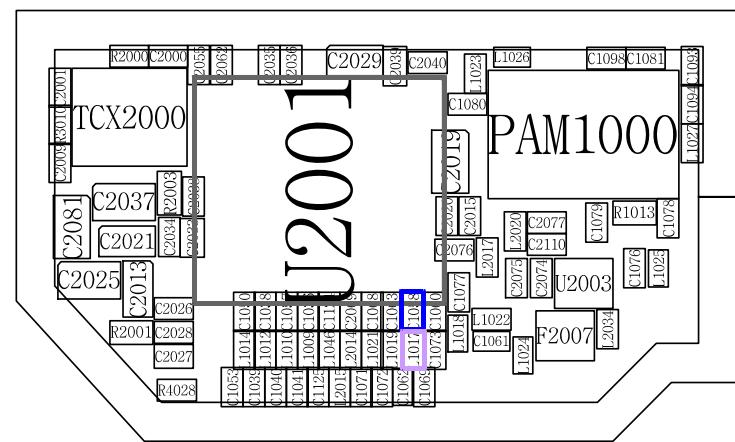
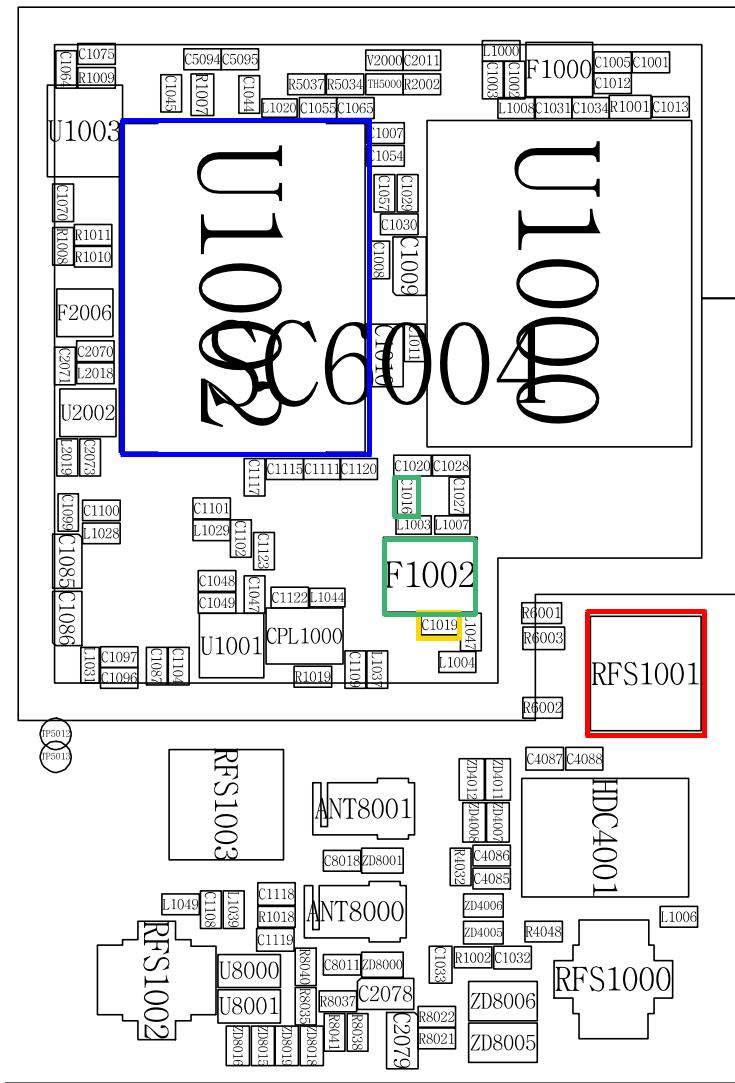




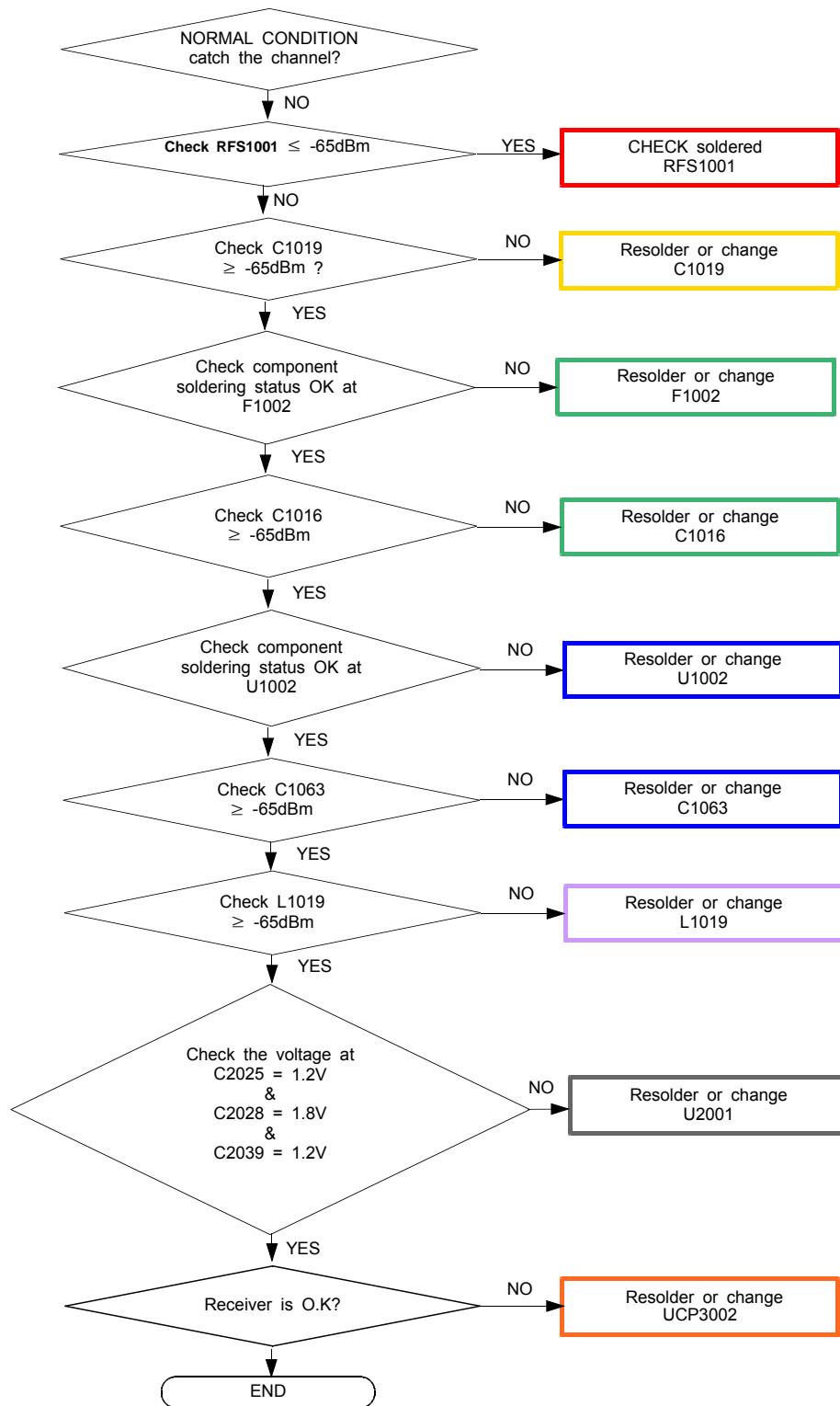
8-3-21. GSM1900 / WCDMA 2 / LTE 2 Rx

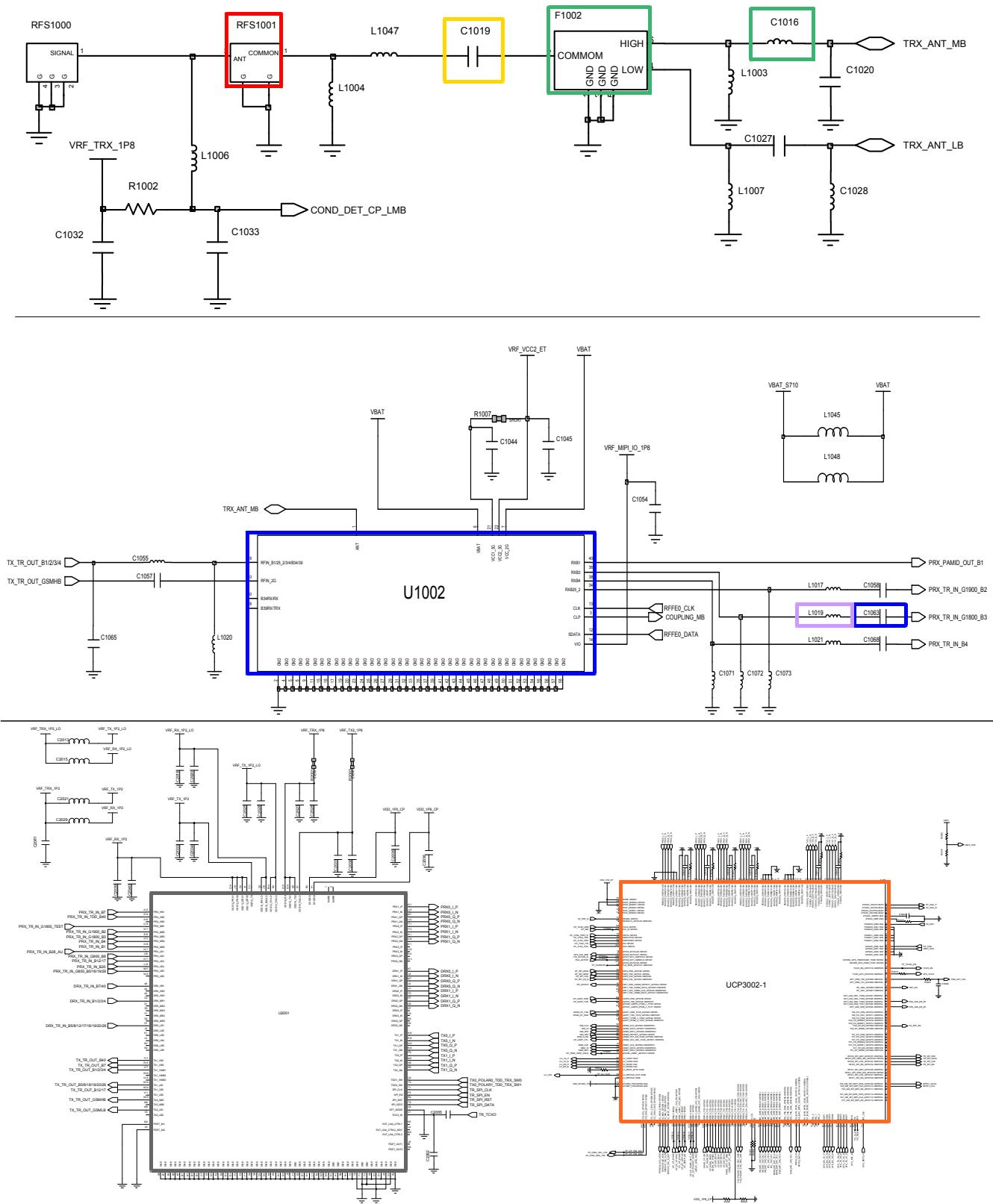


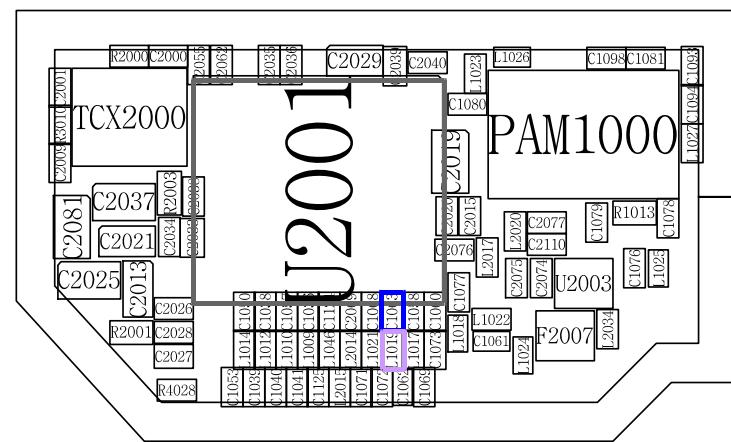
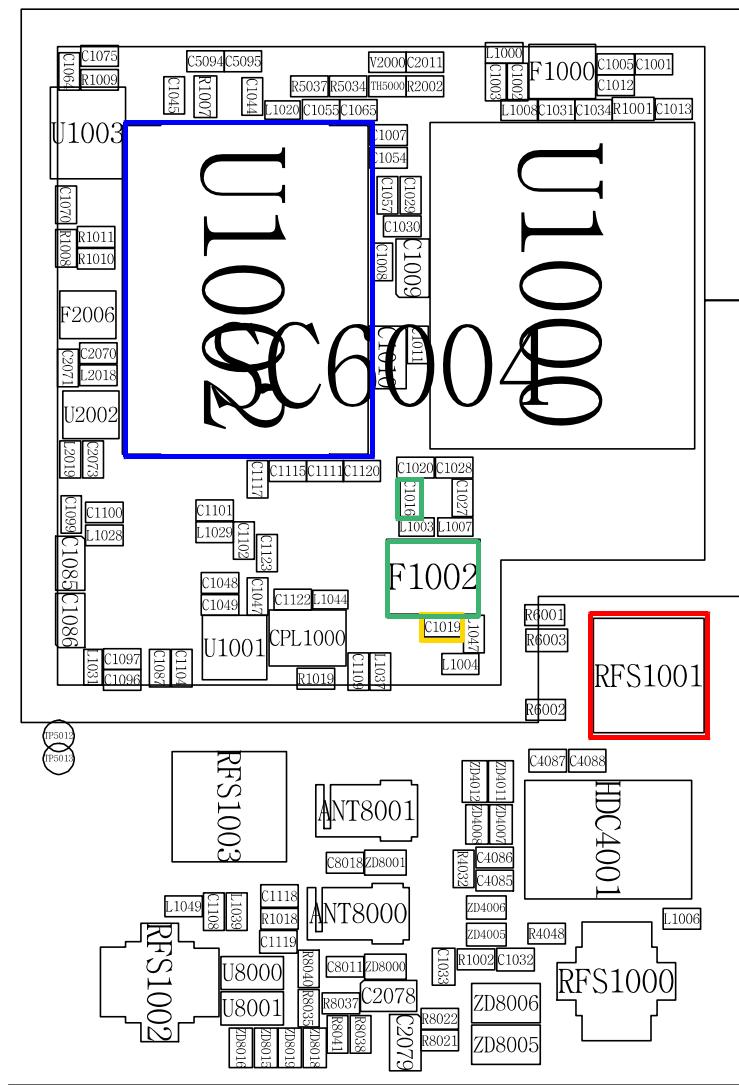




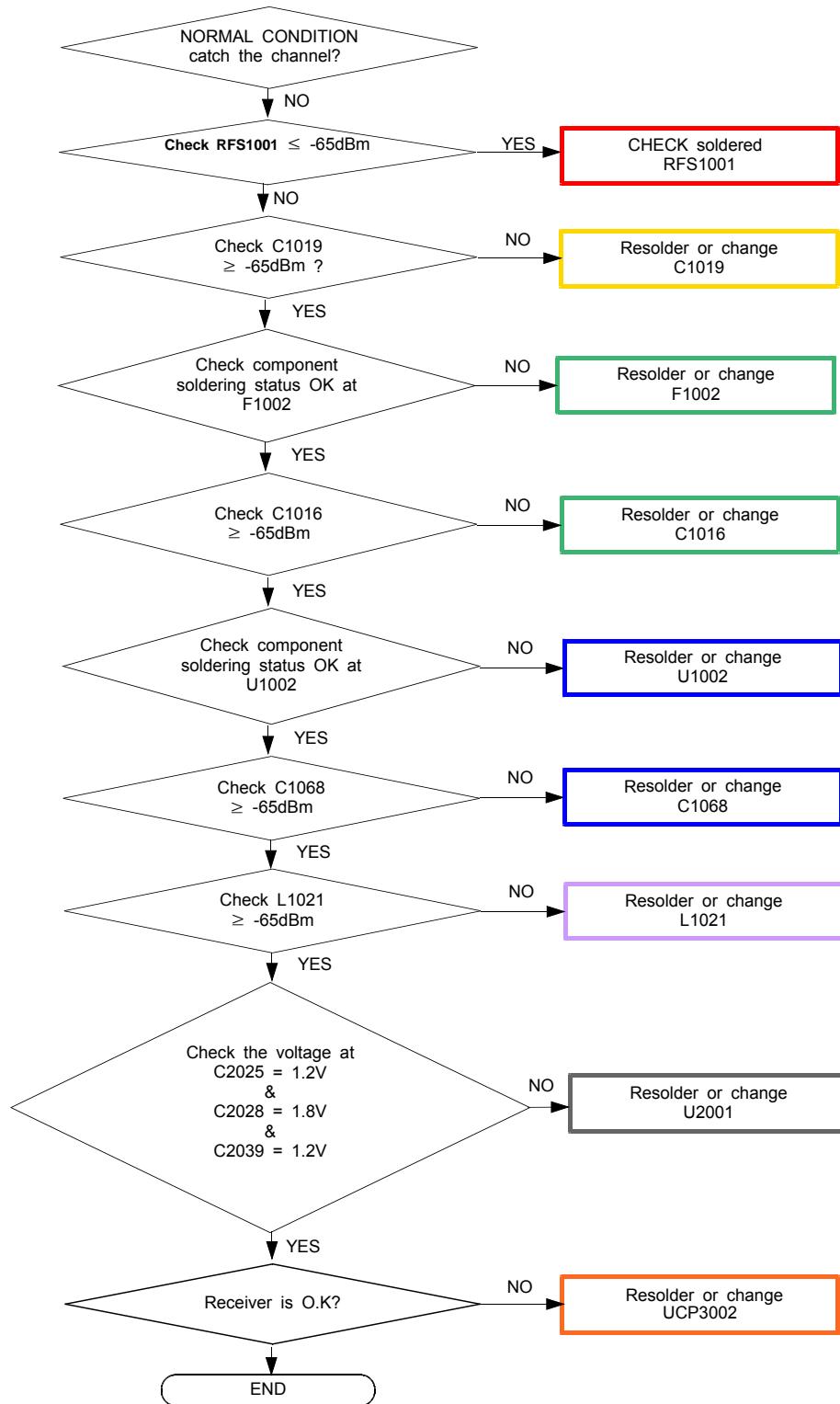
8-3-22. GSM1800 / LTE 3 Rx

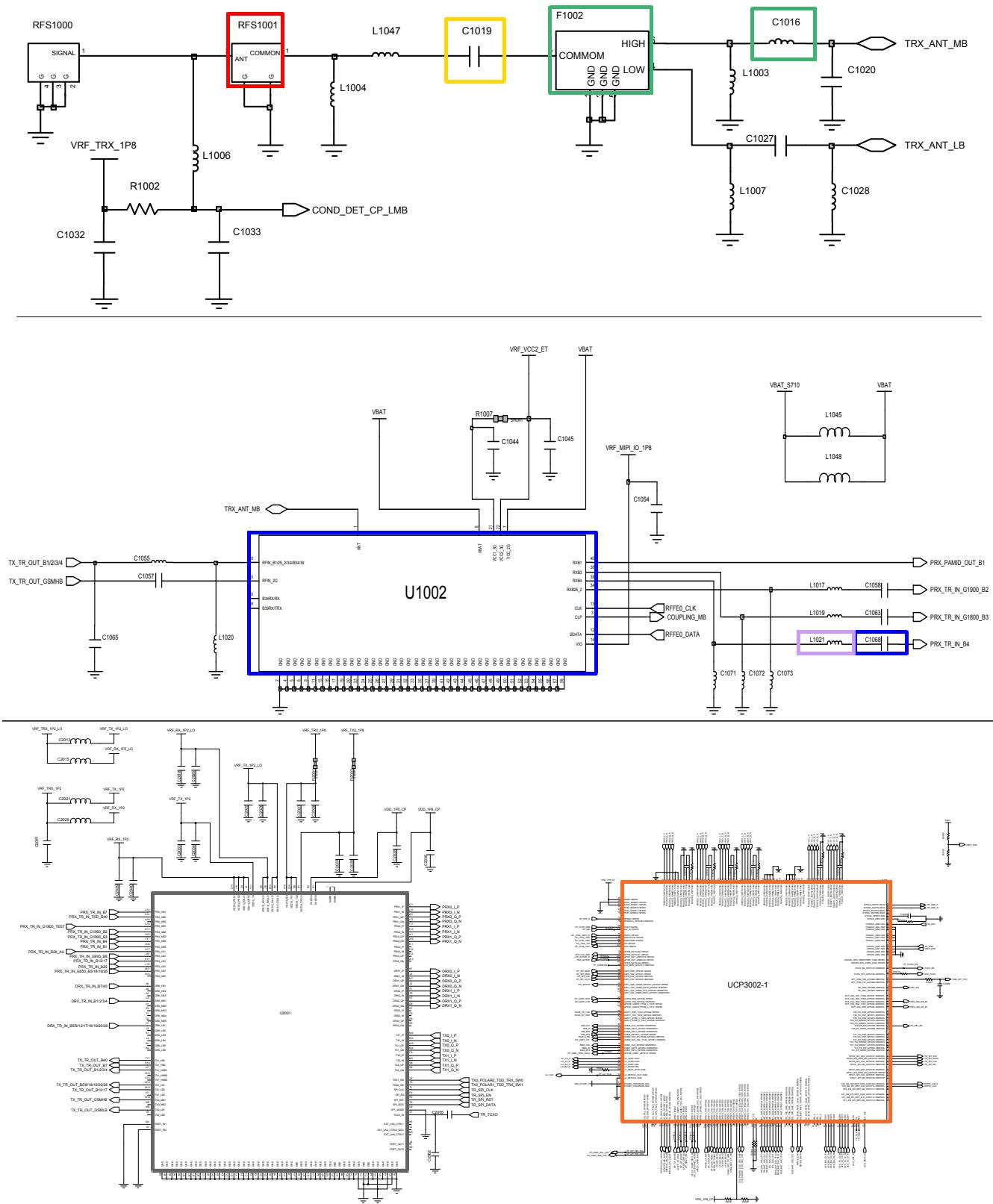


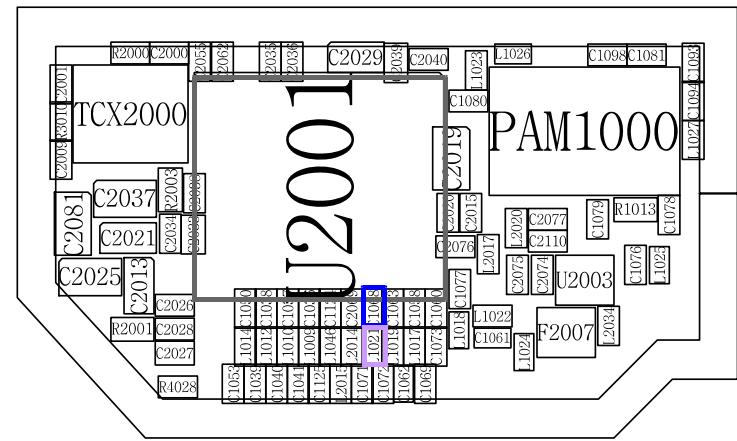
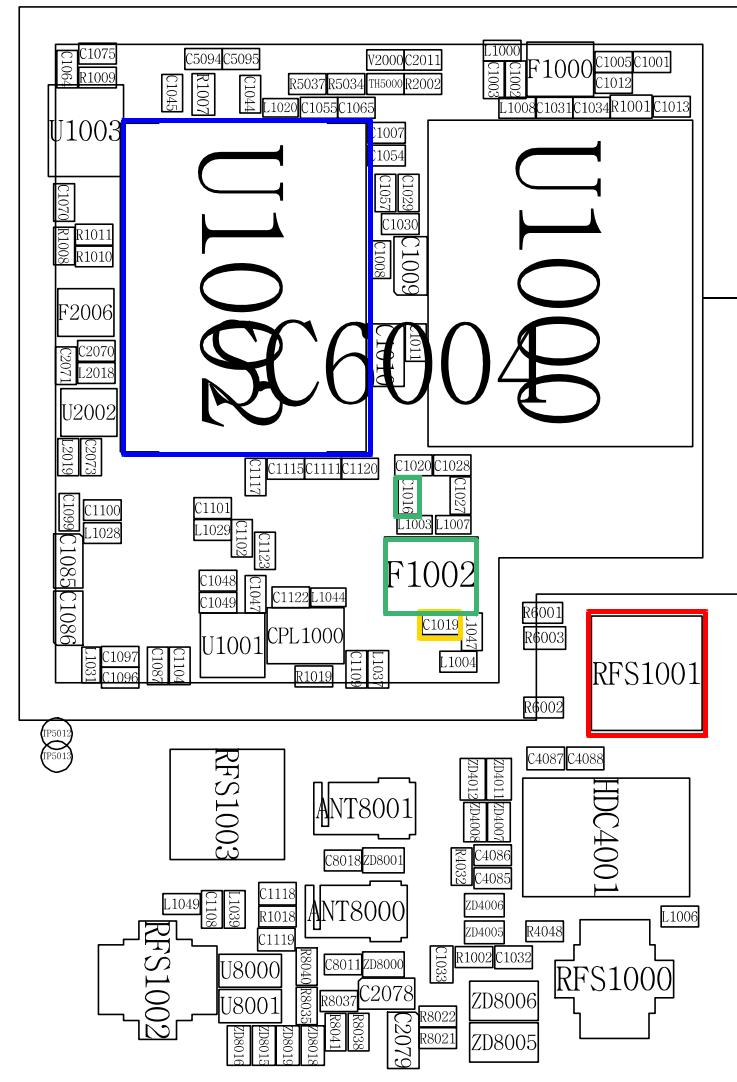




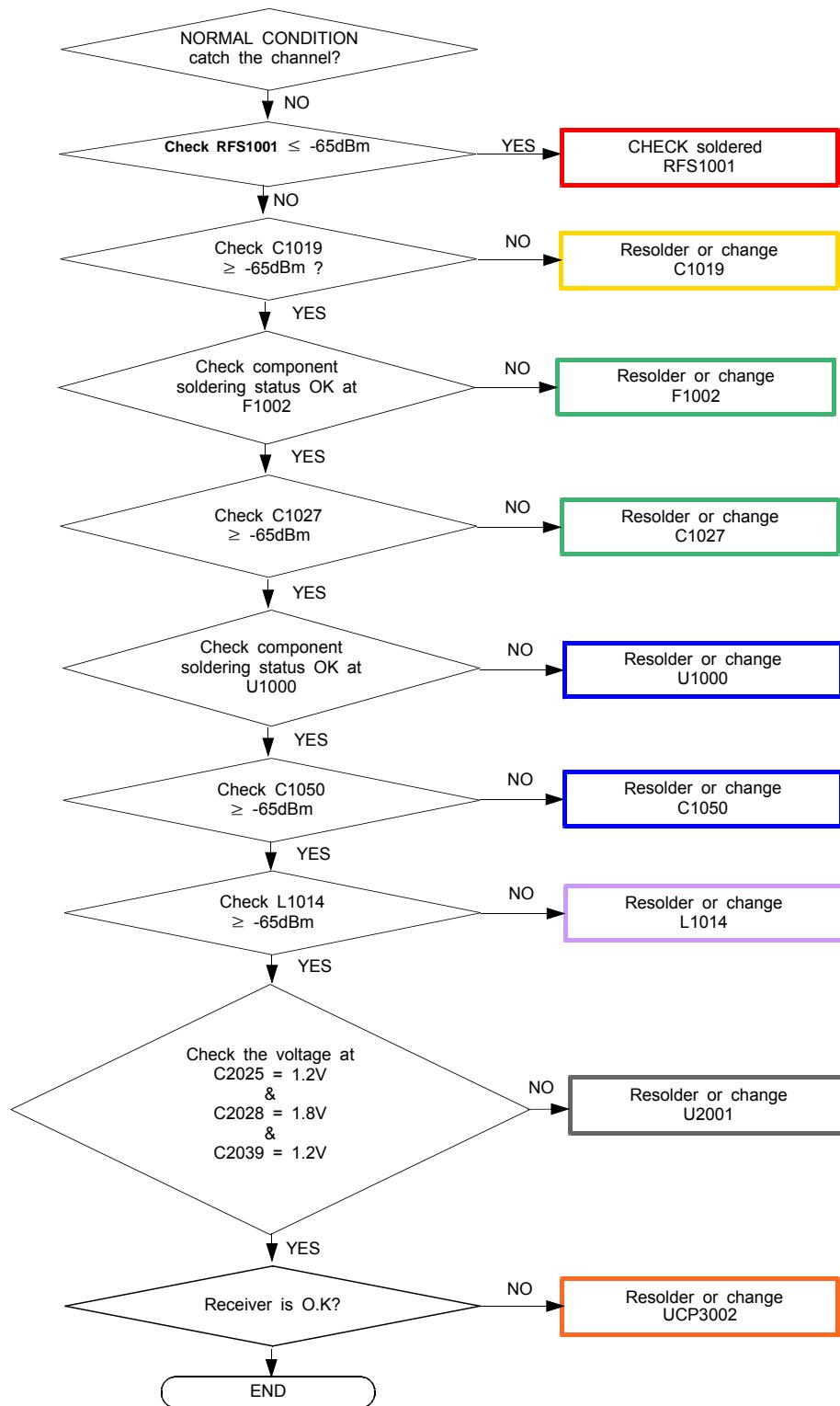
8-3-23. LTE 4 RX

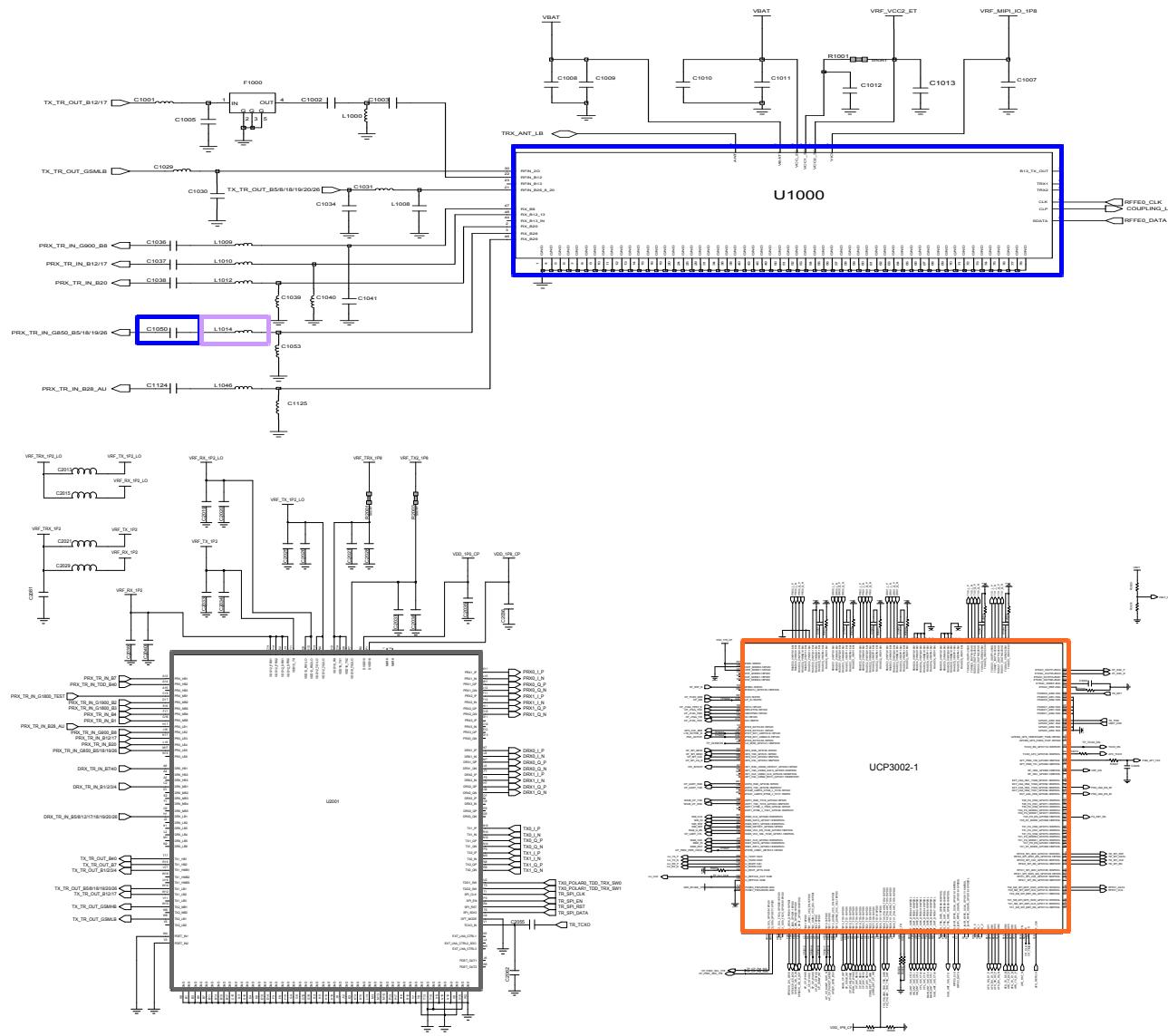
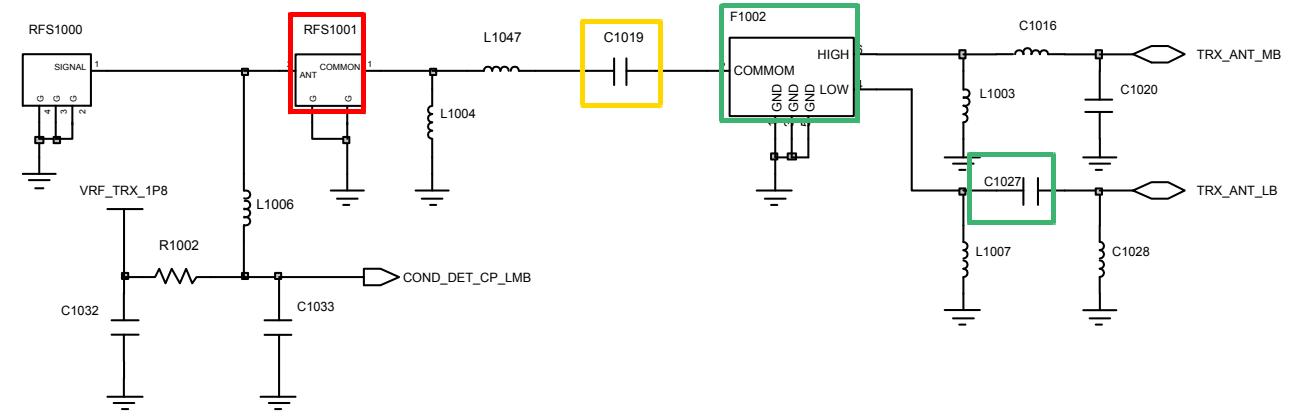


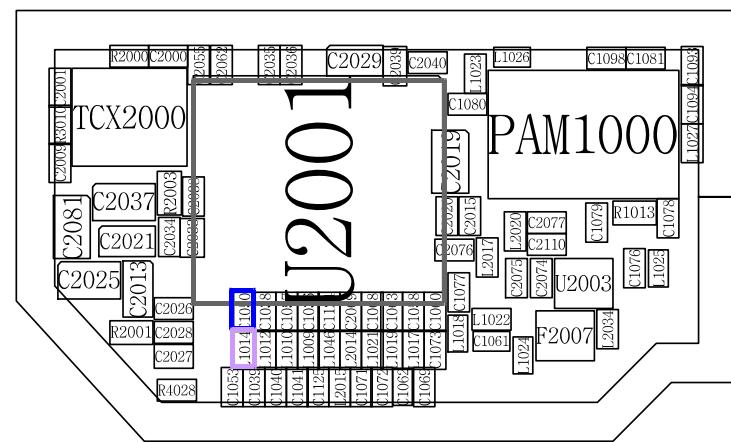
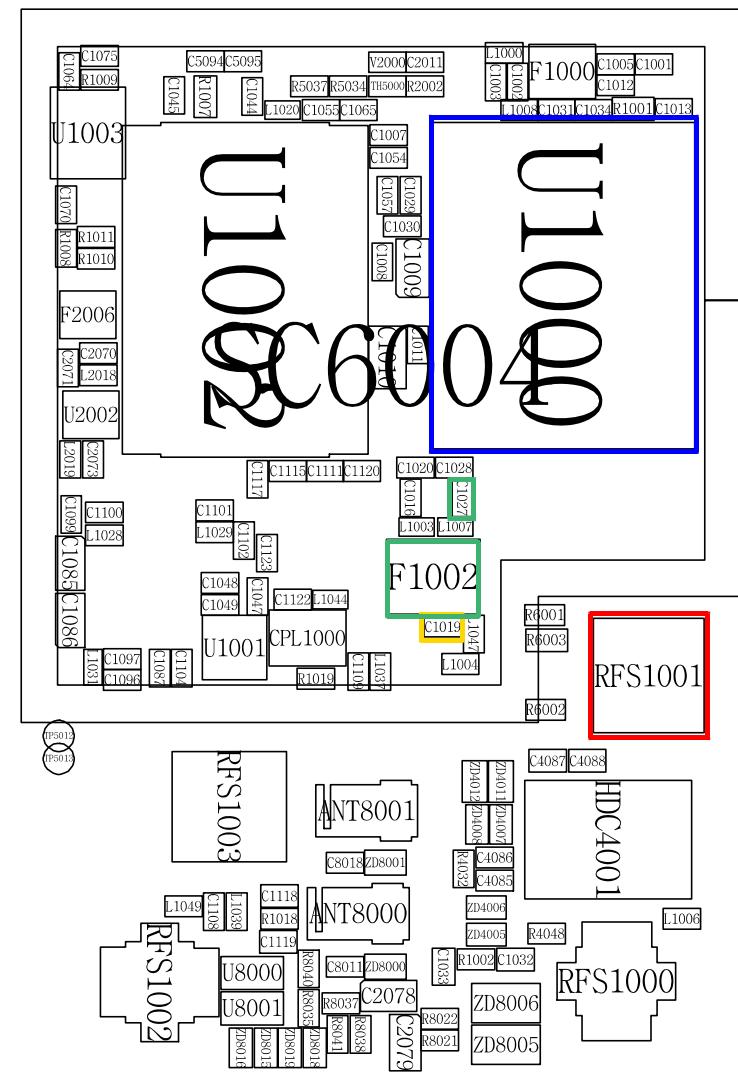




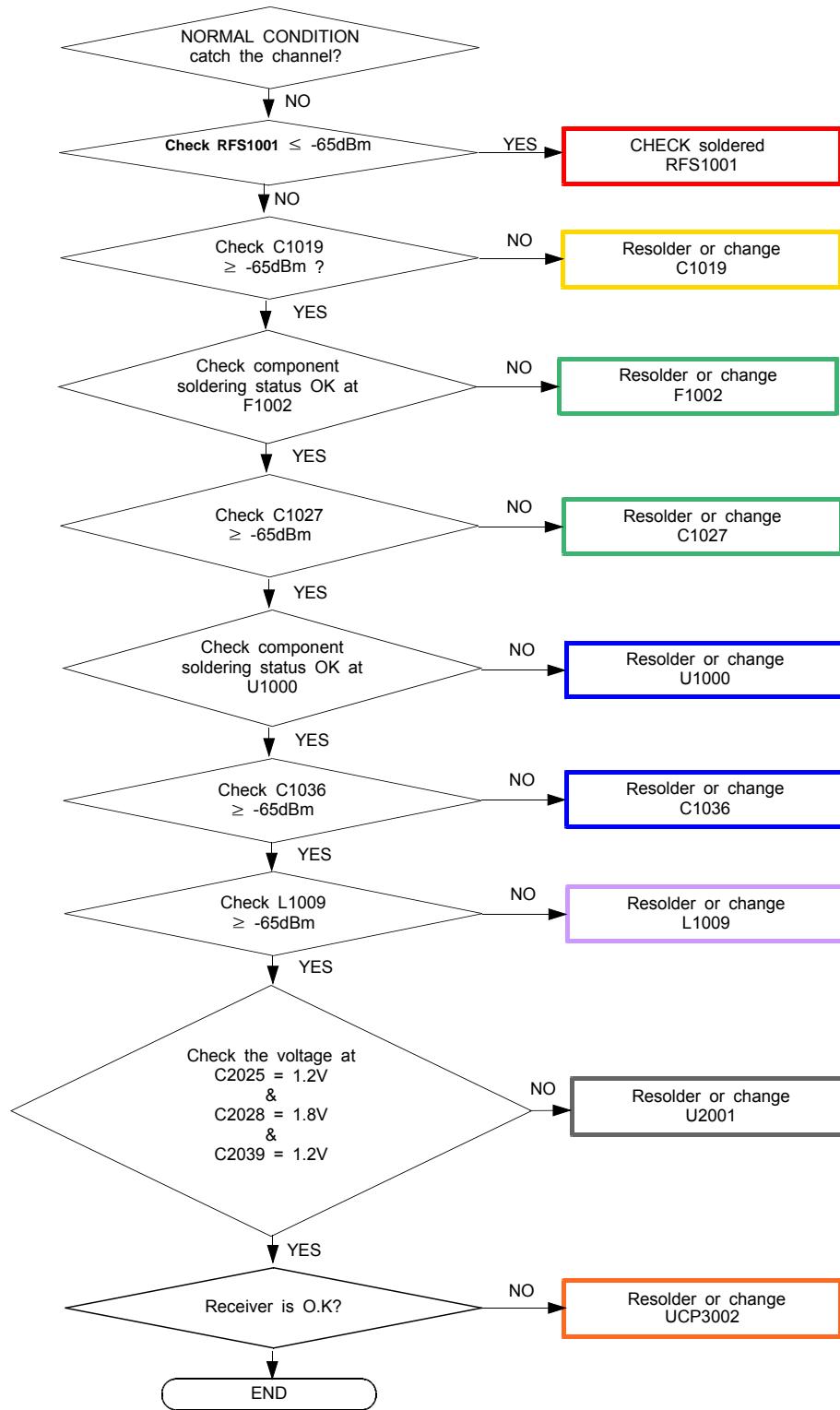
8-3-24. GSM850 / WCDMA 5 / LTE 5, 18, 19, 26 Rx

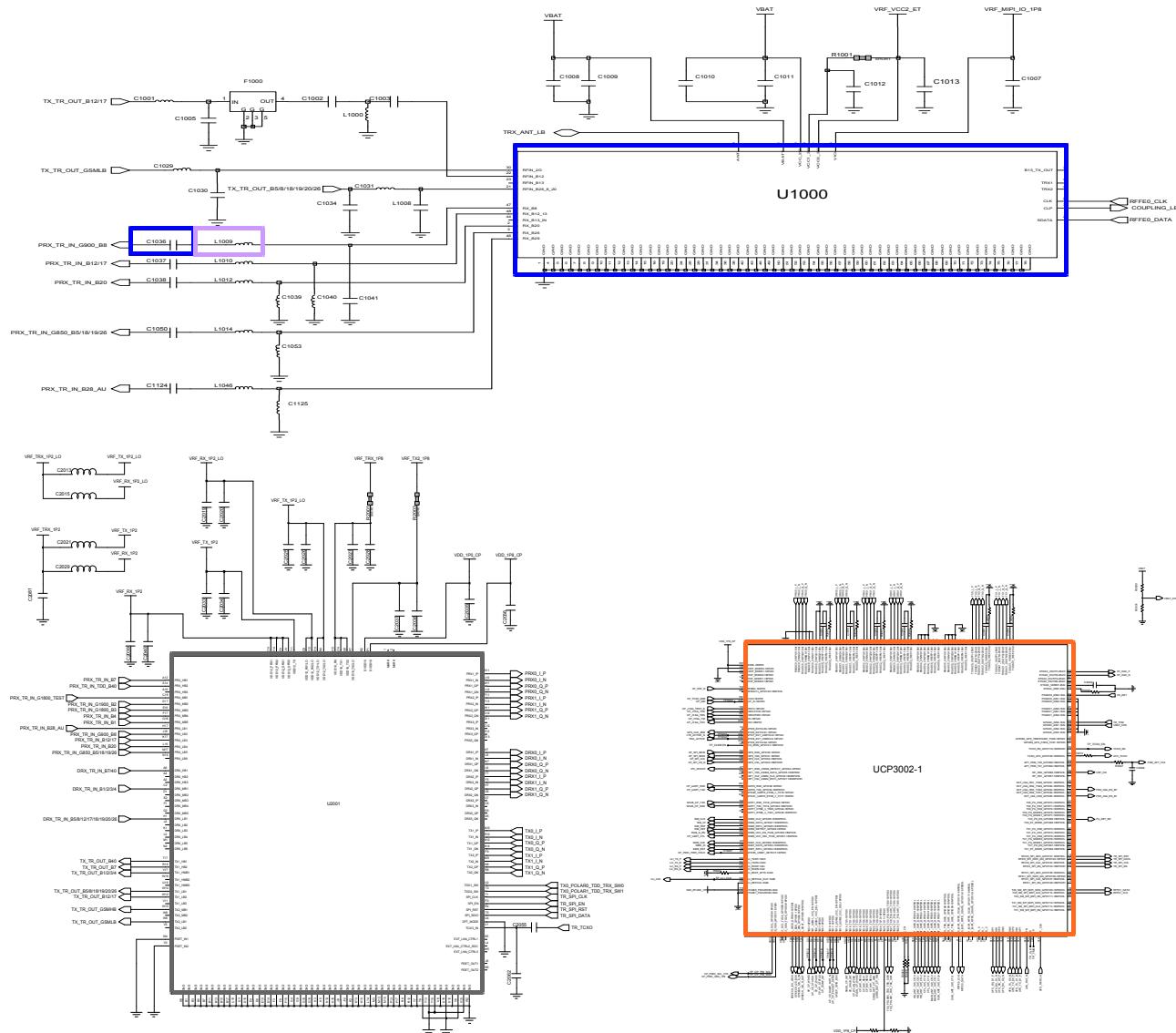
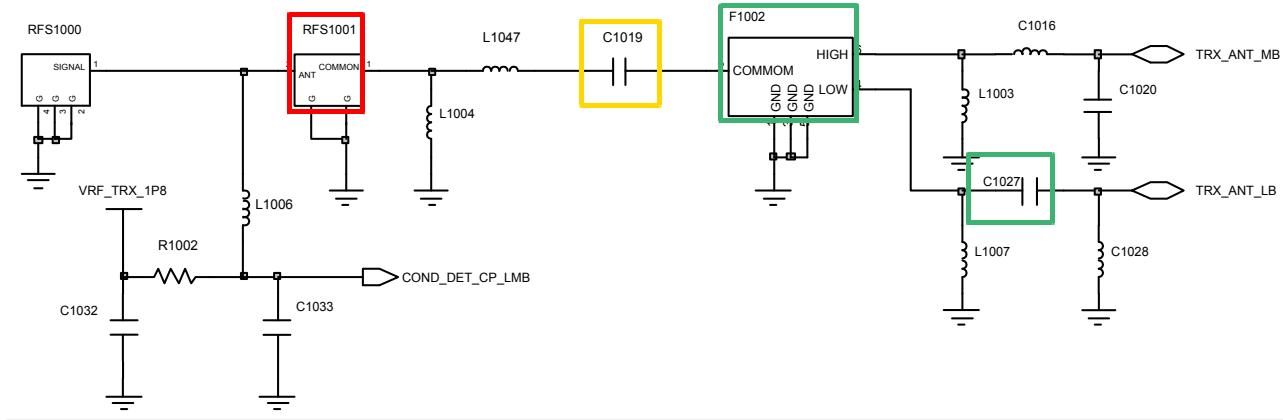


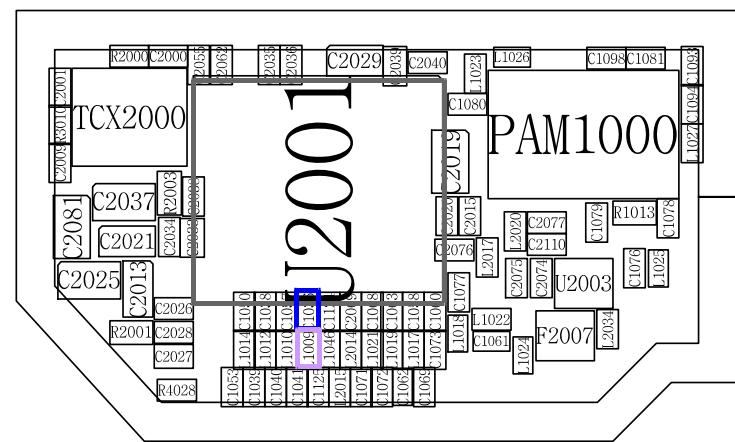
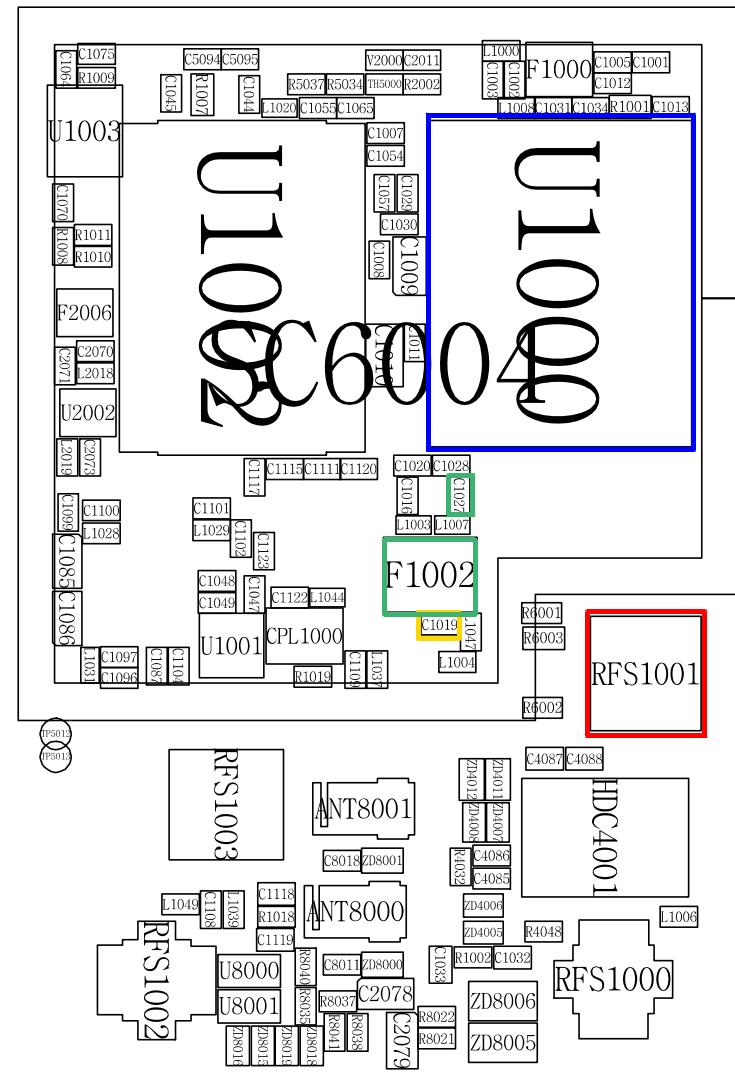




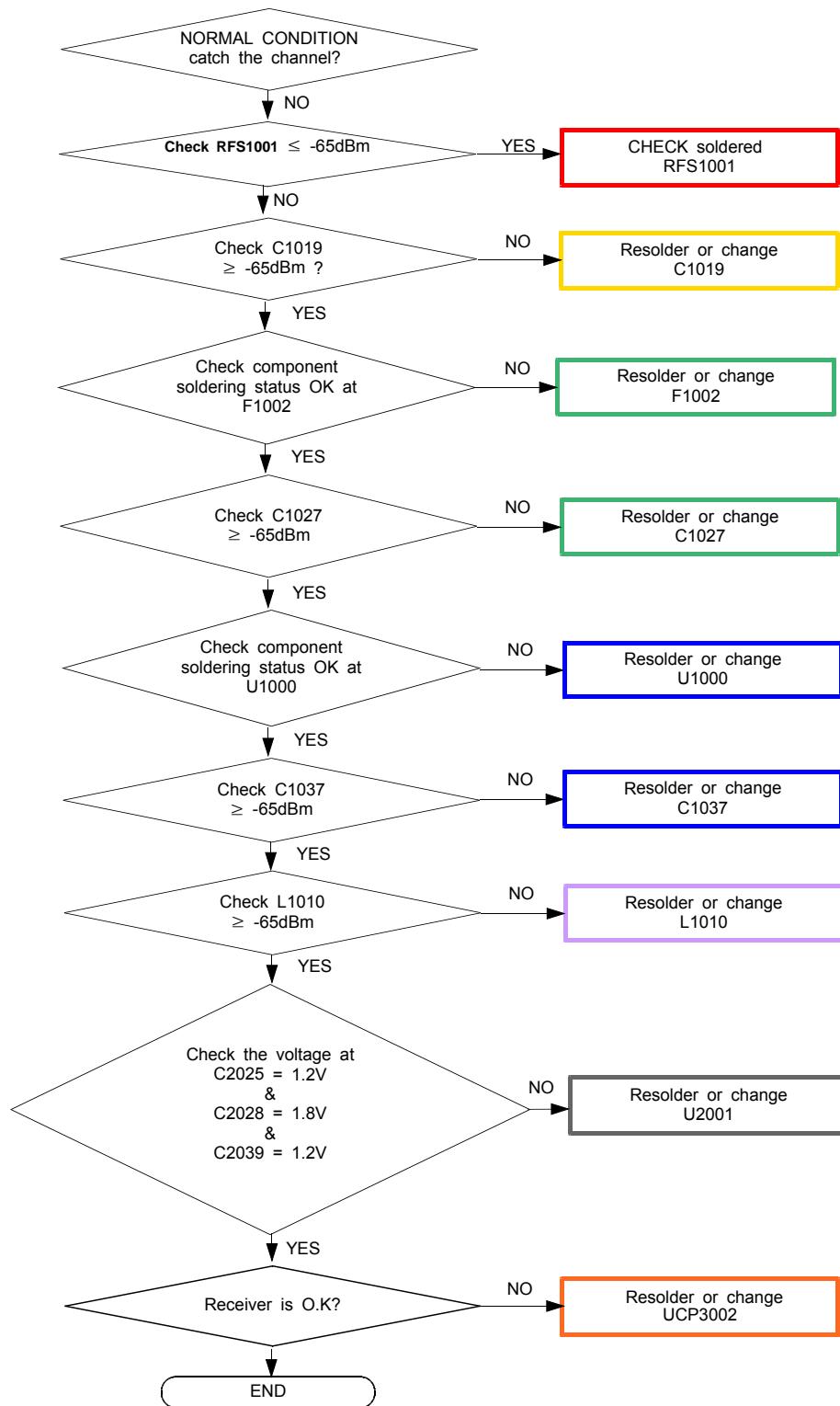
8-3-25. GSM900 / WCDMA 8 / LTE 8 Rx

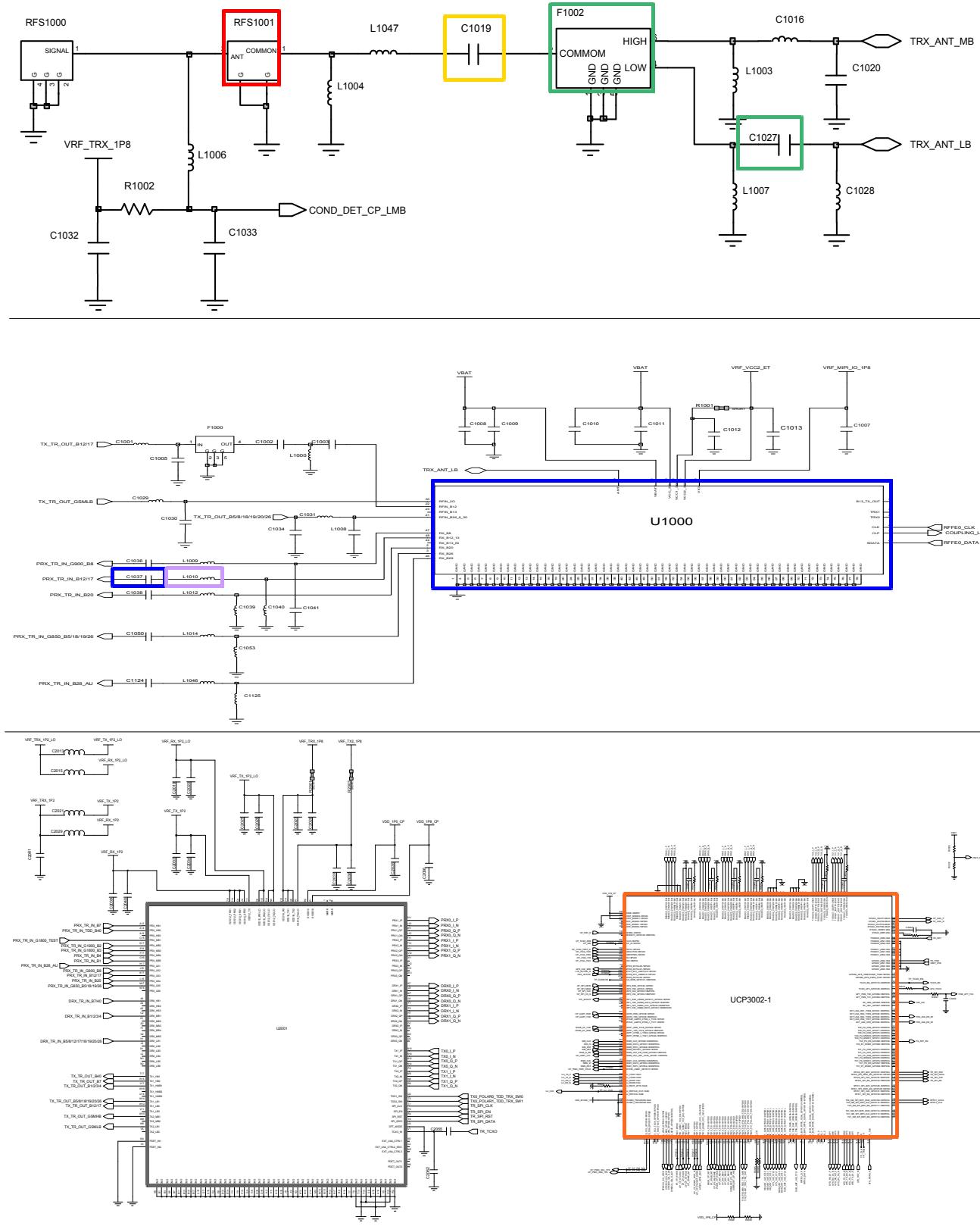


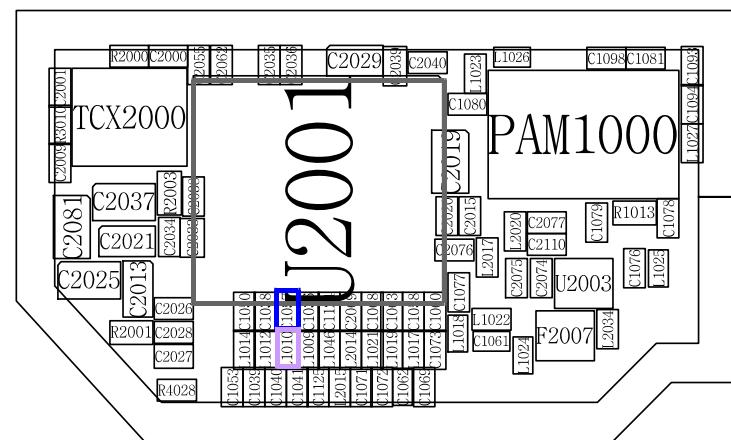
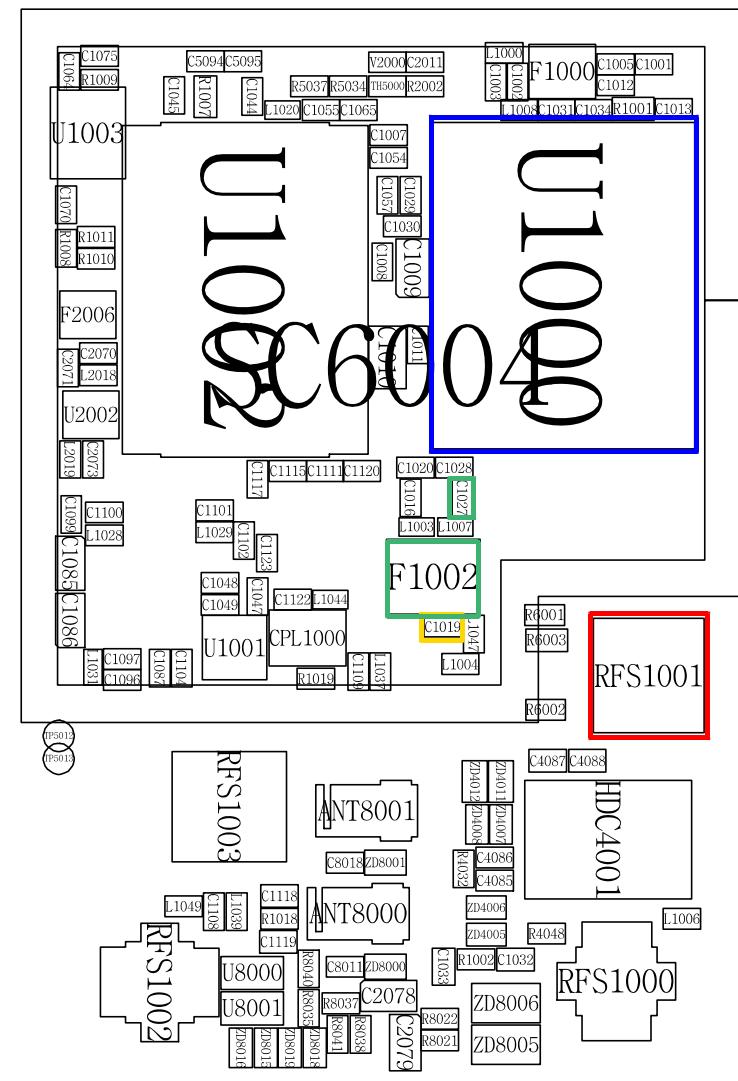




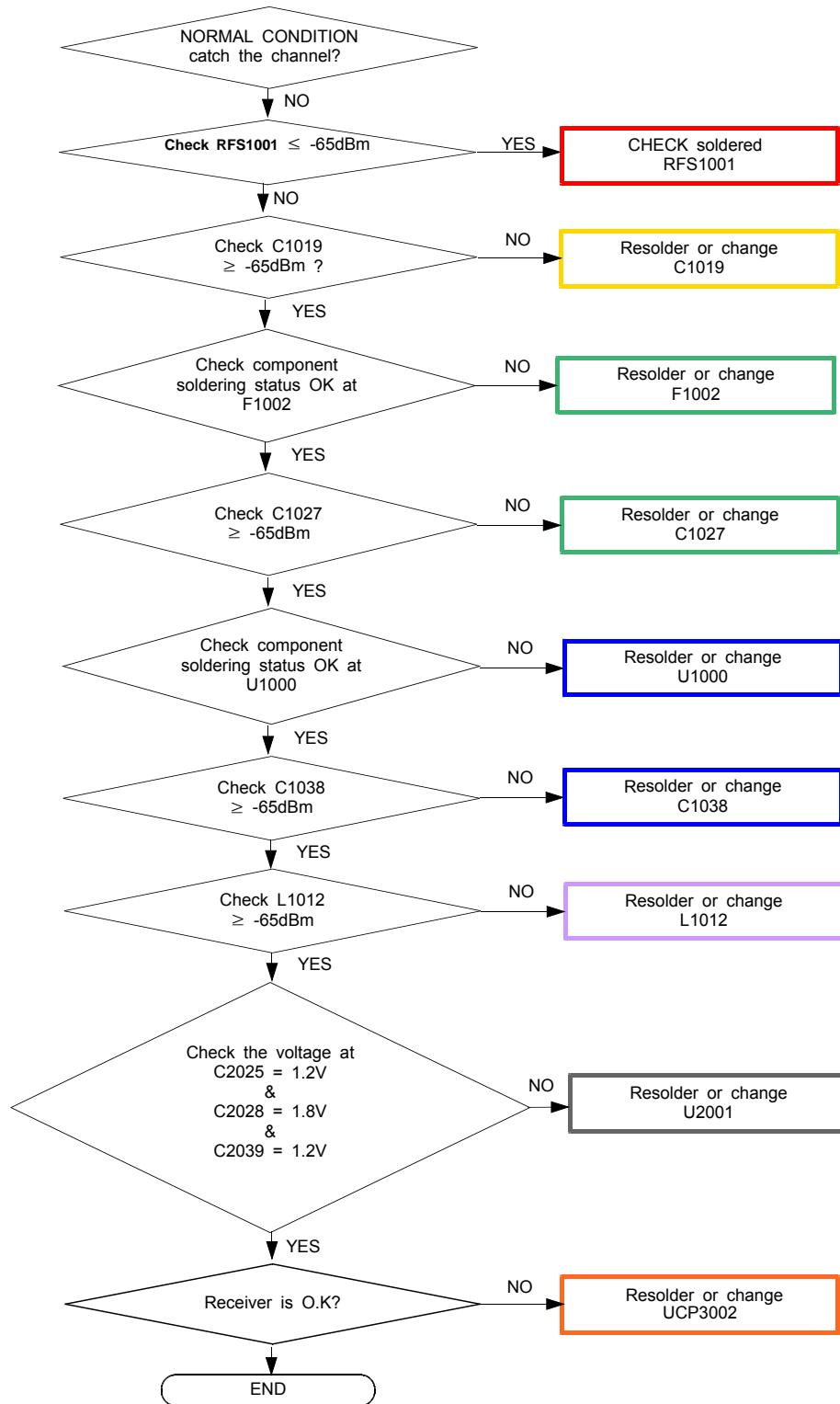
8-3-26. LTE 12, 17 RX

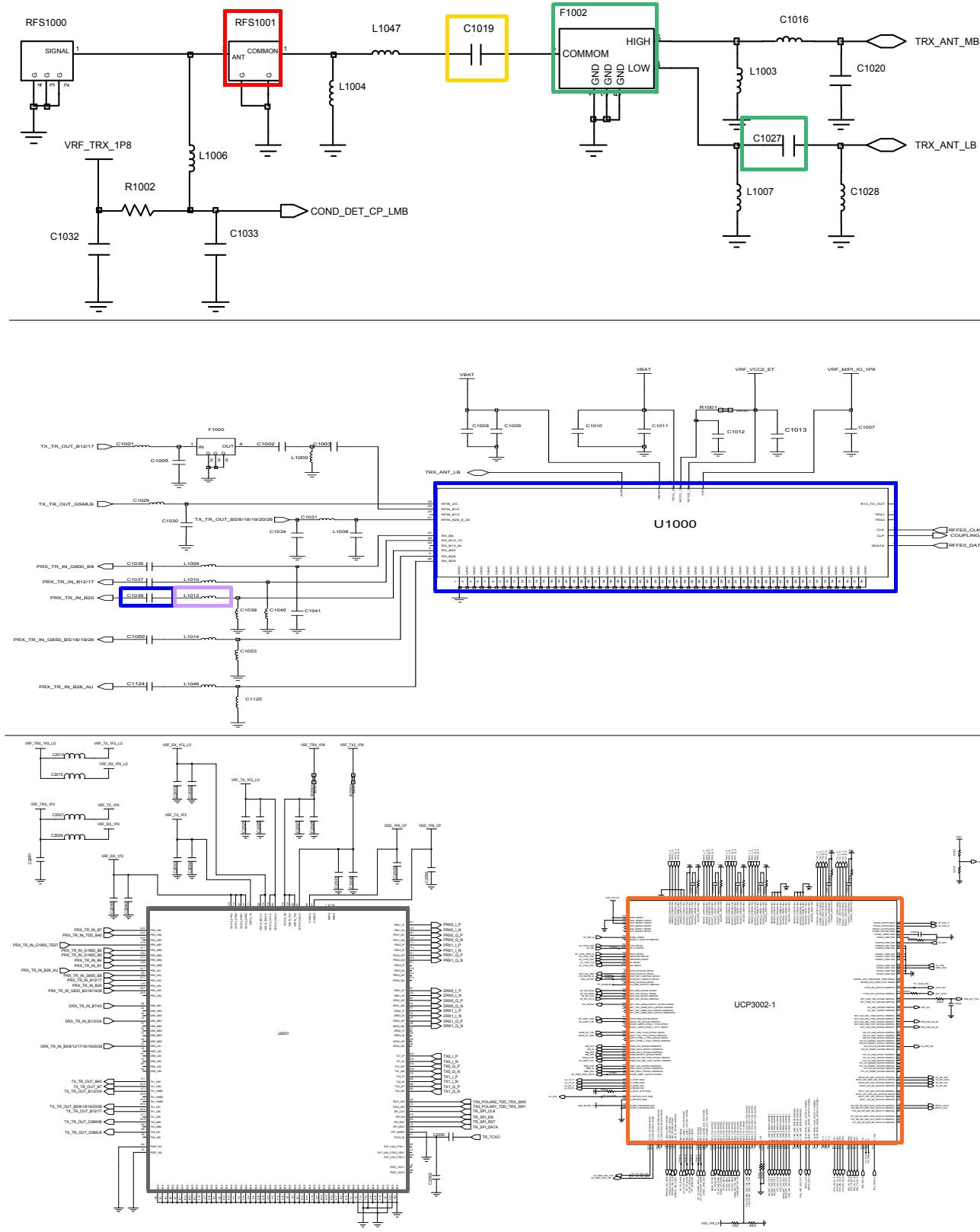


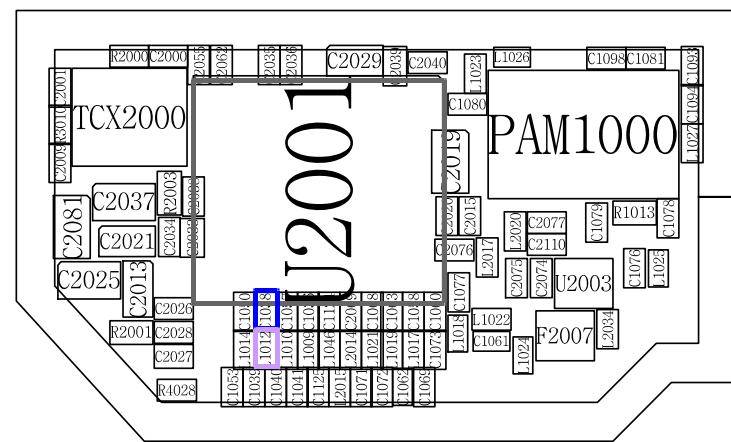
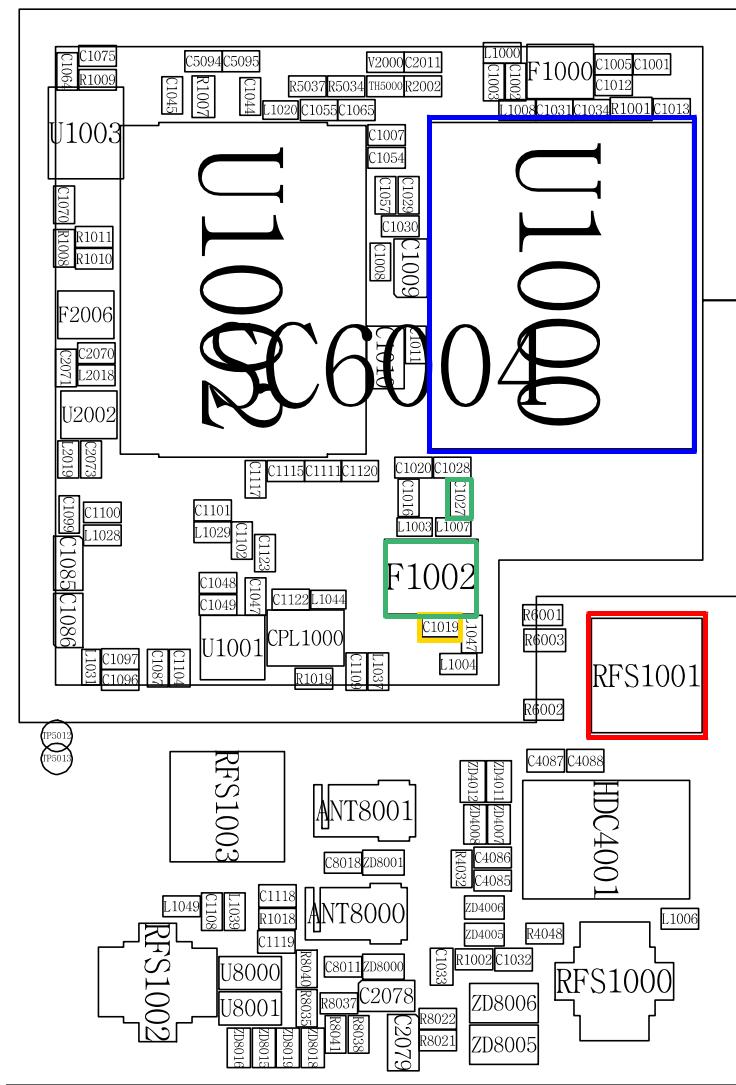




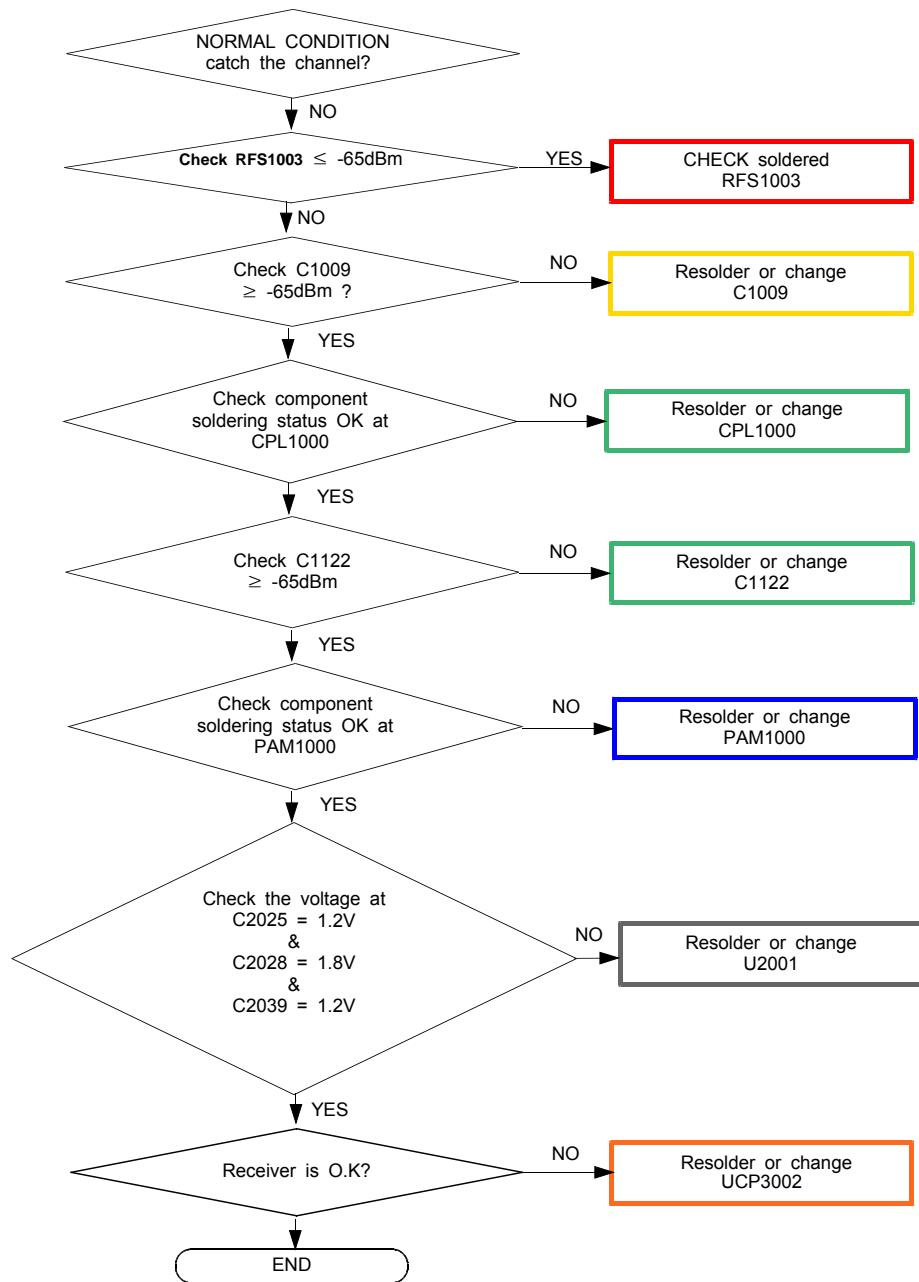
8-3-27. LTE 20 RX

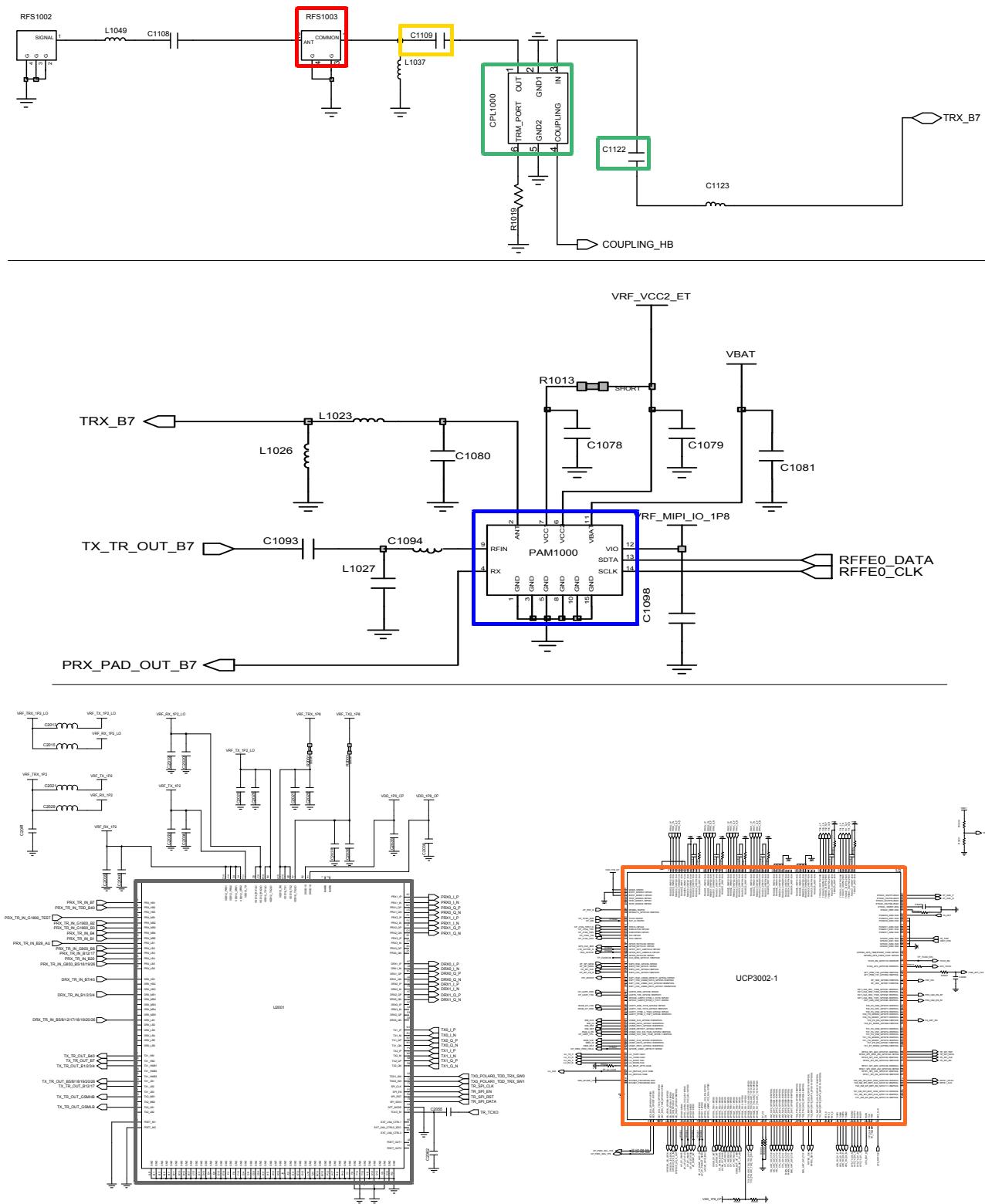


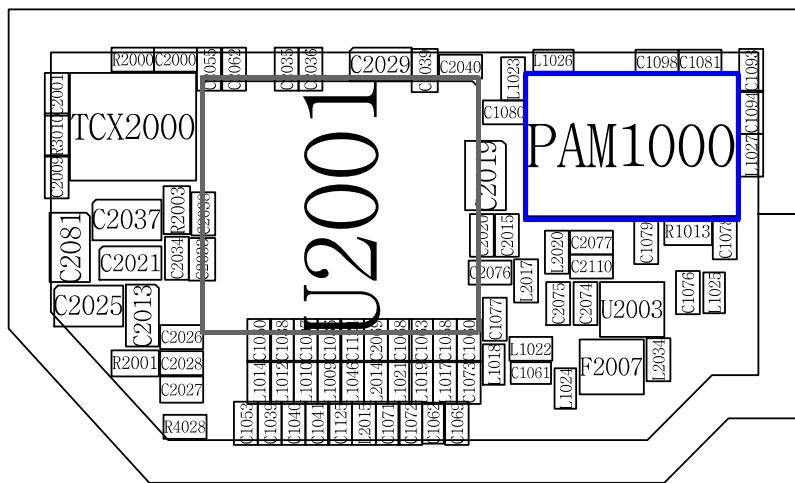
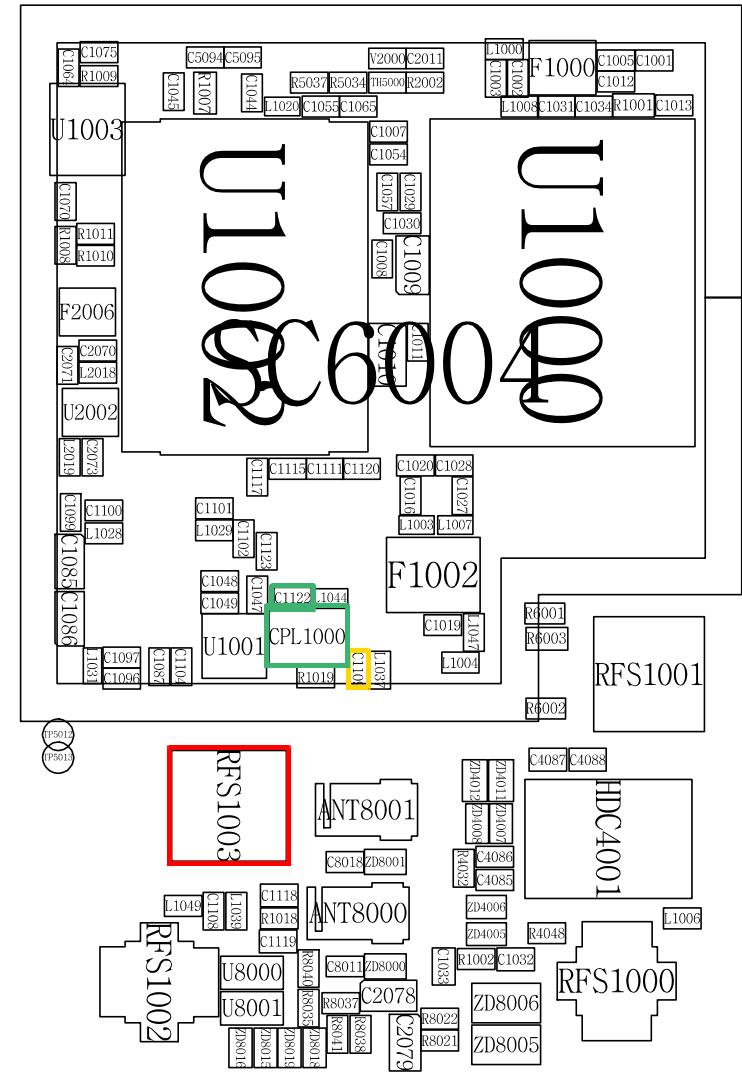




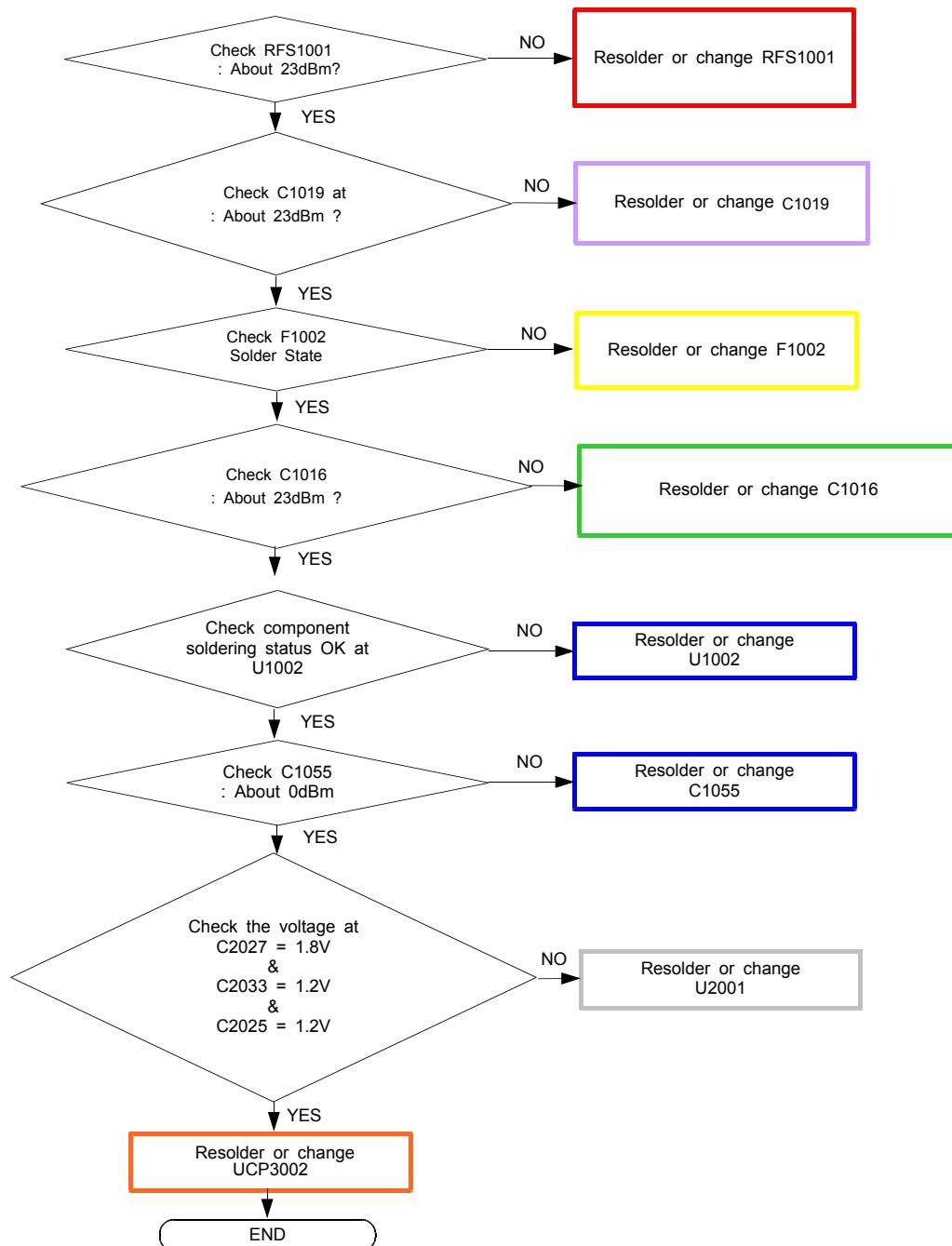
8-3-28. LTE 7 RX

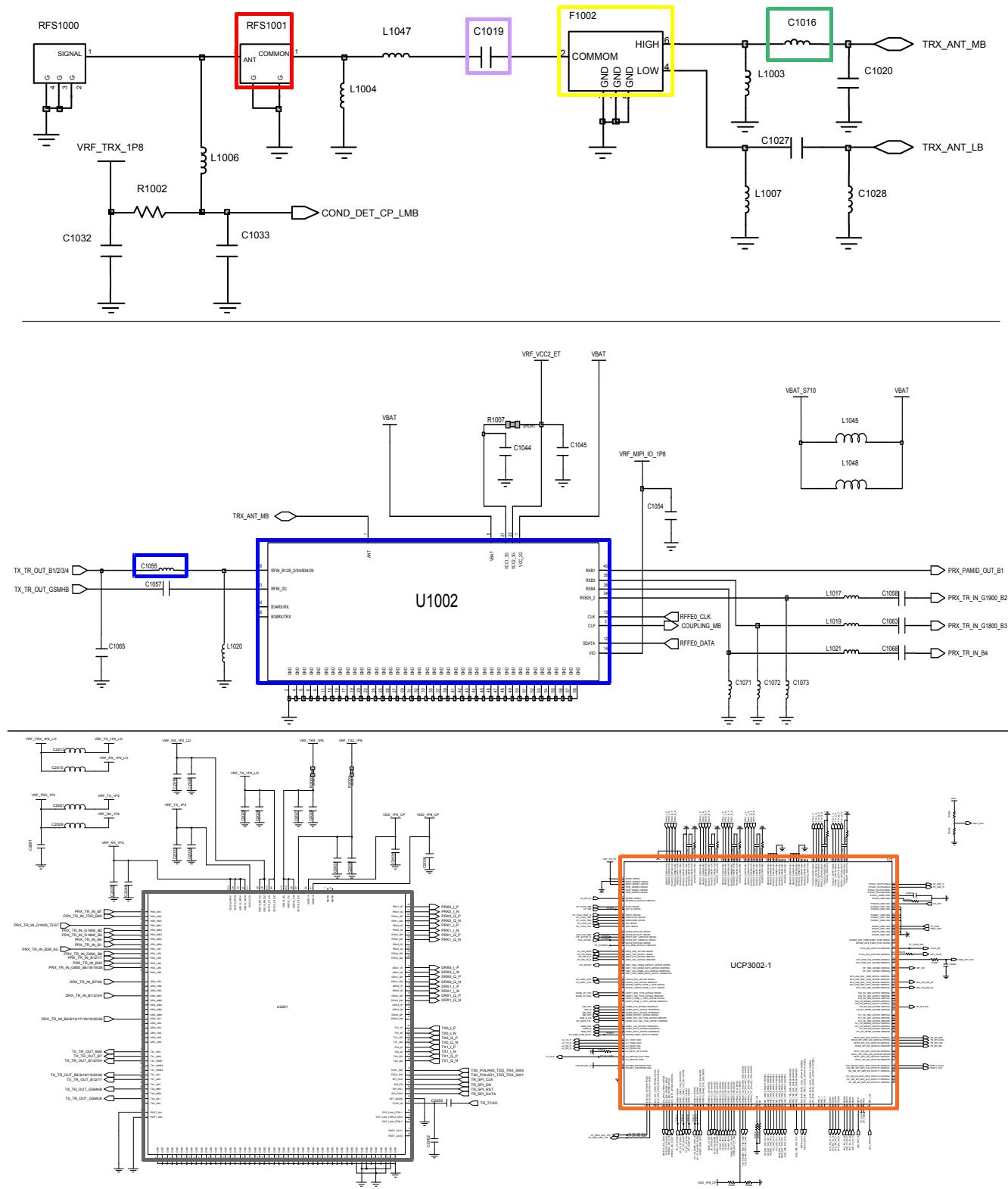


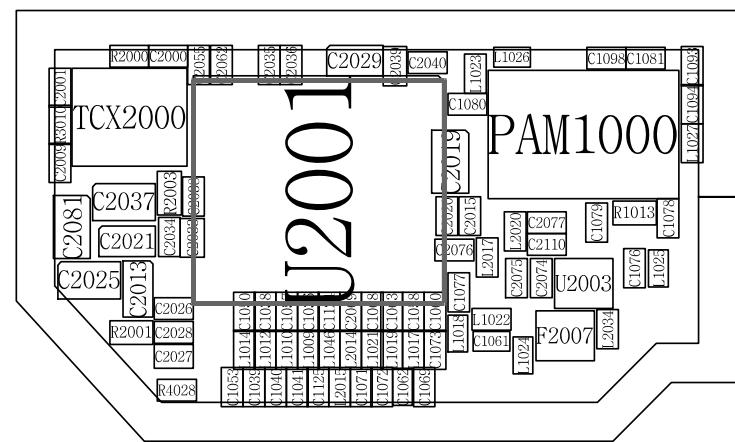
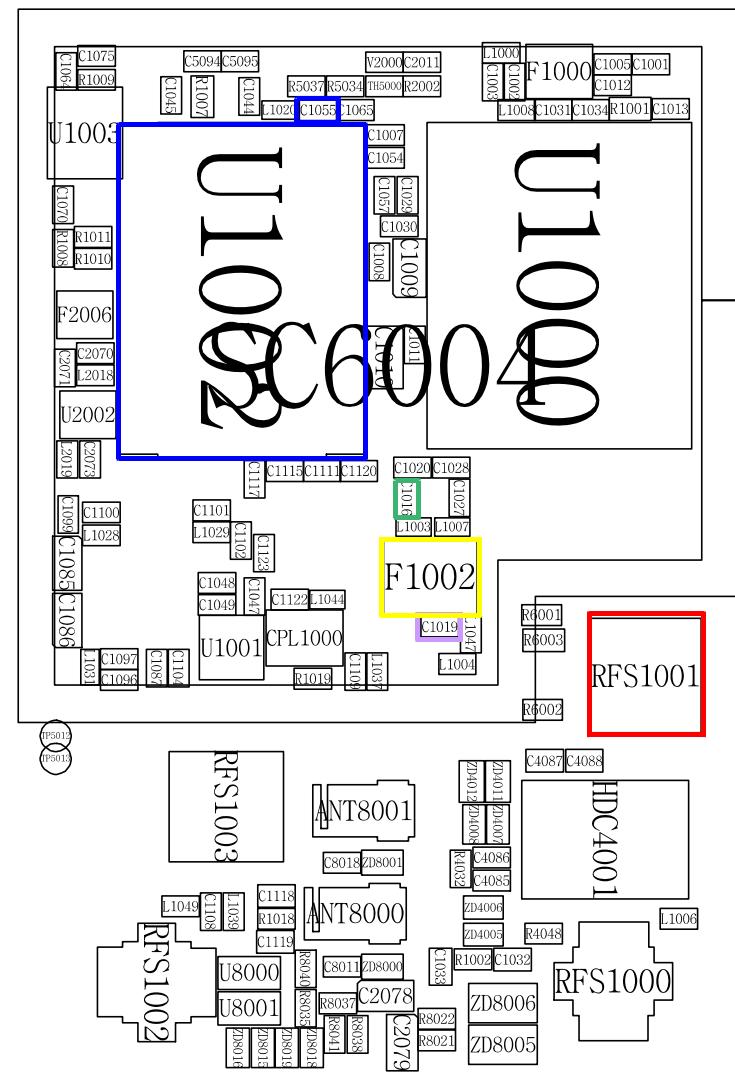




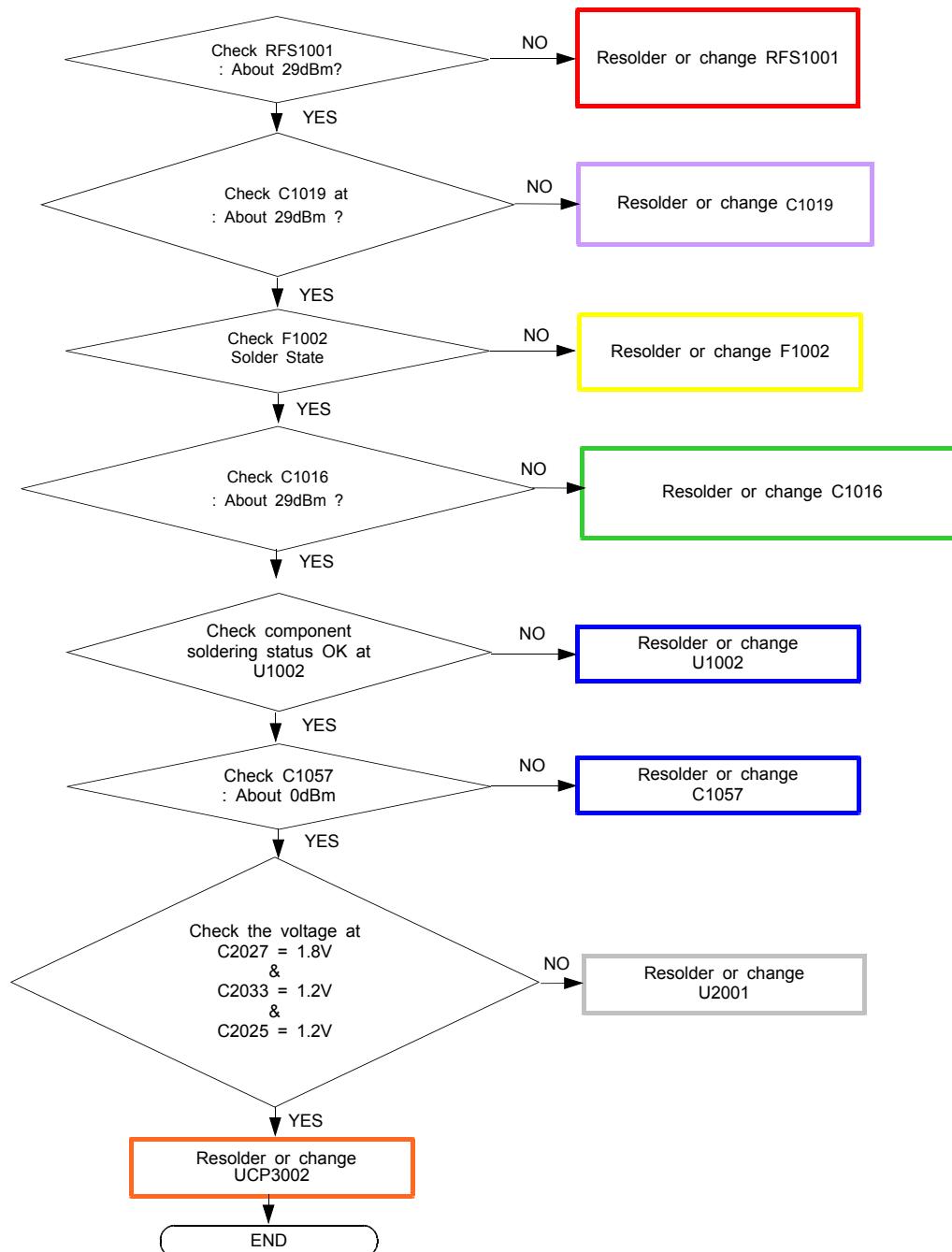
8-3-29. WCDMA 1, 2, 3, 4 / LTE 1, 2, 3, 4 TX

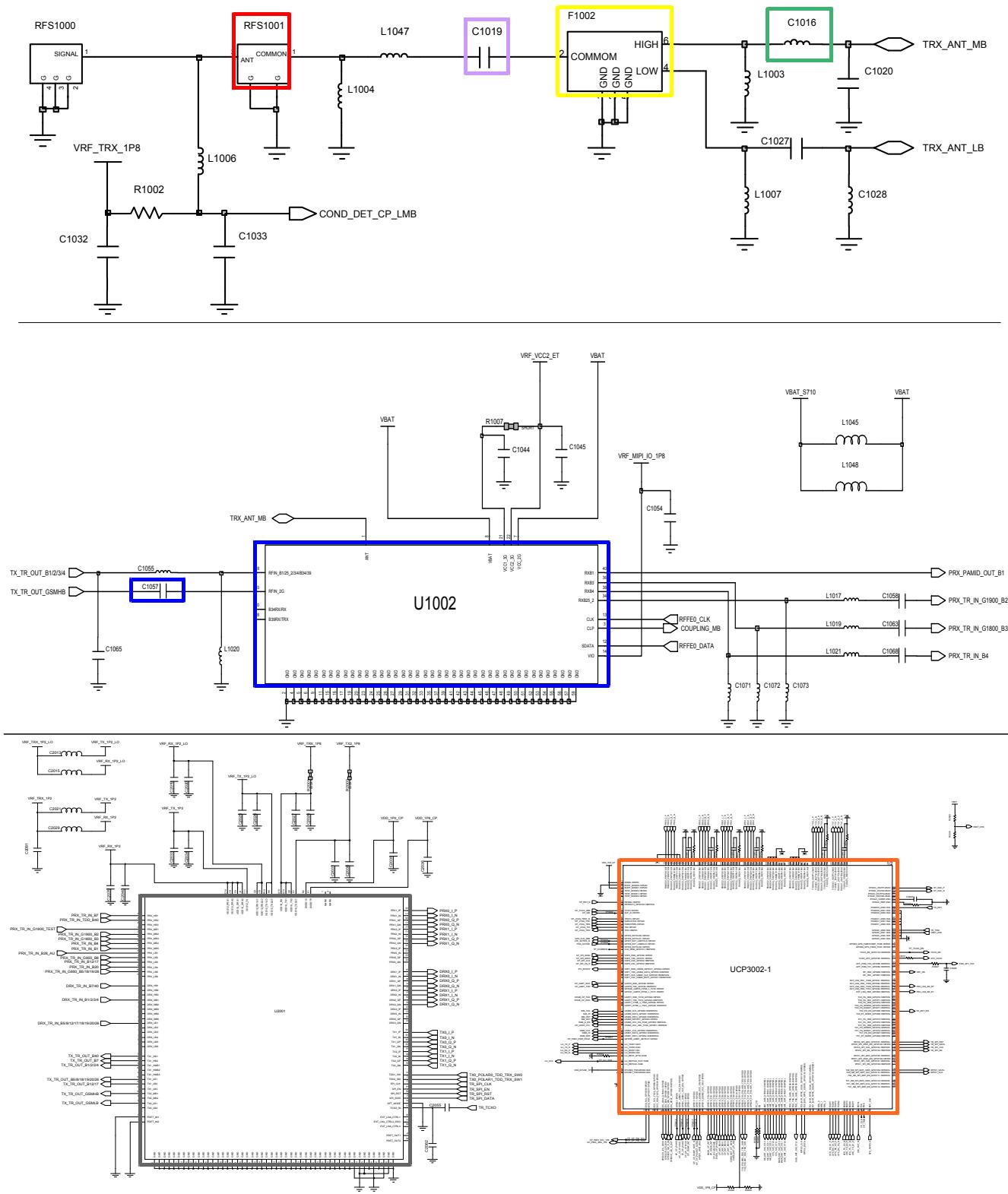


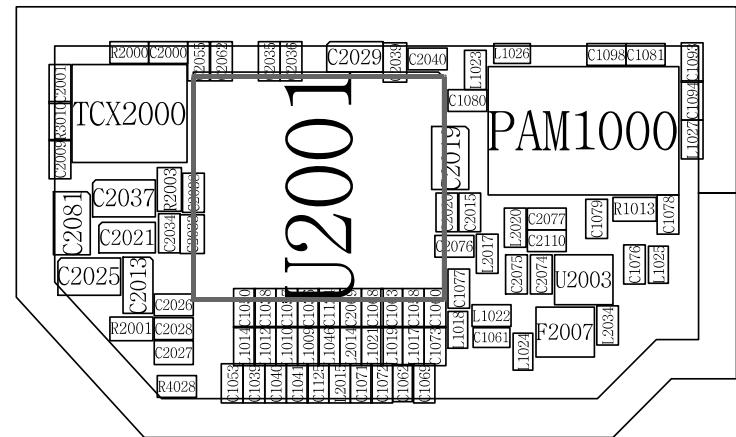
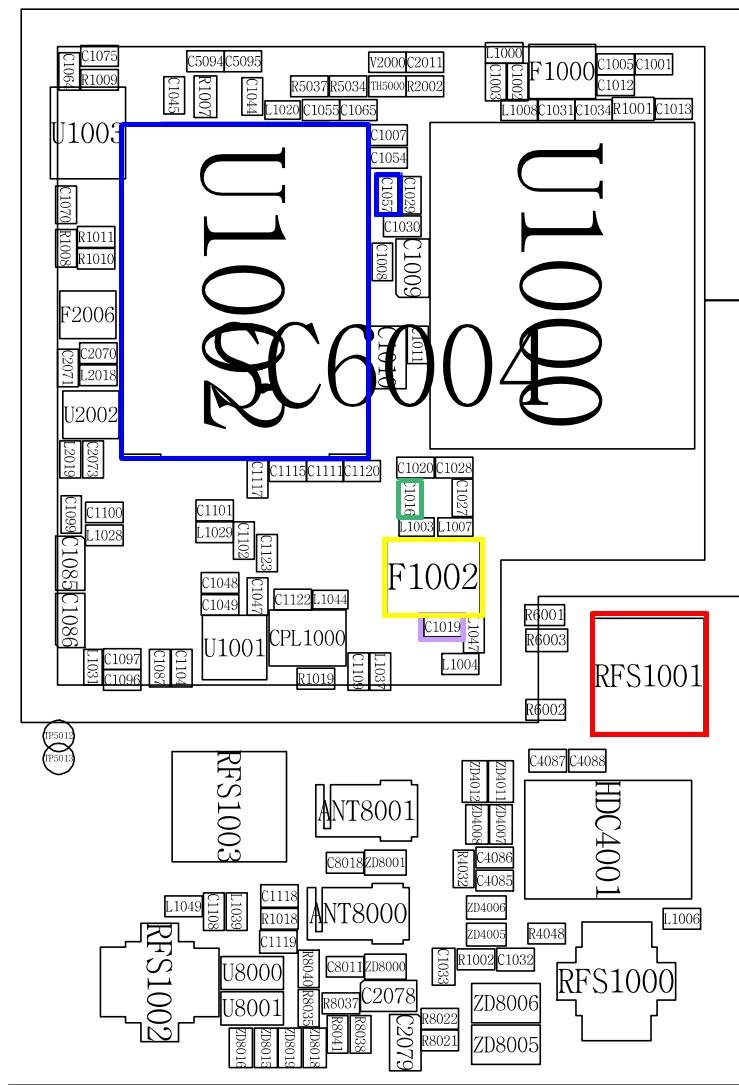




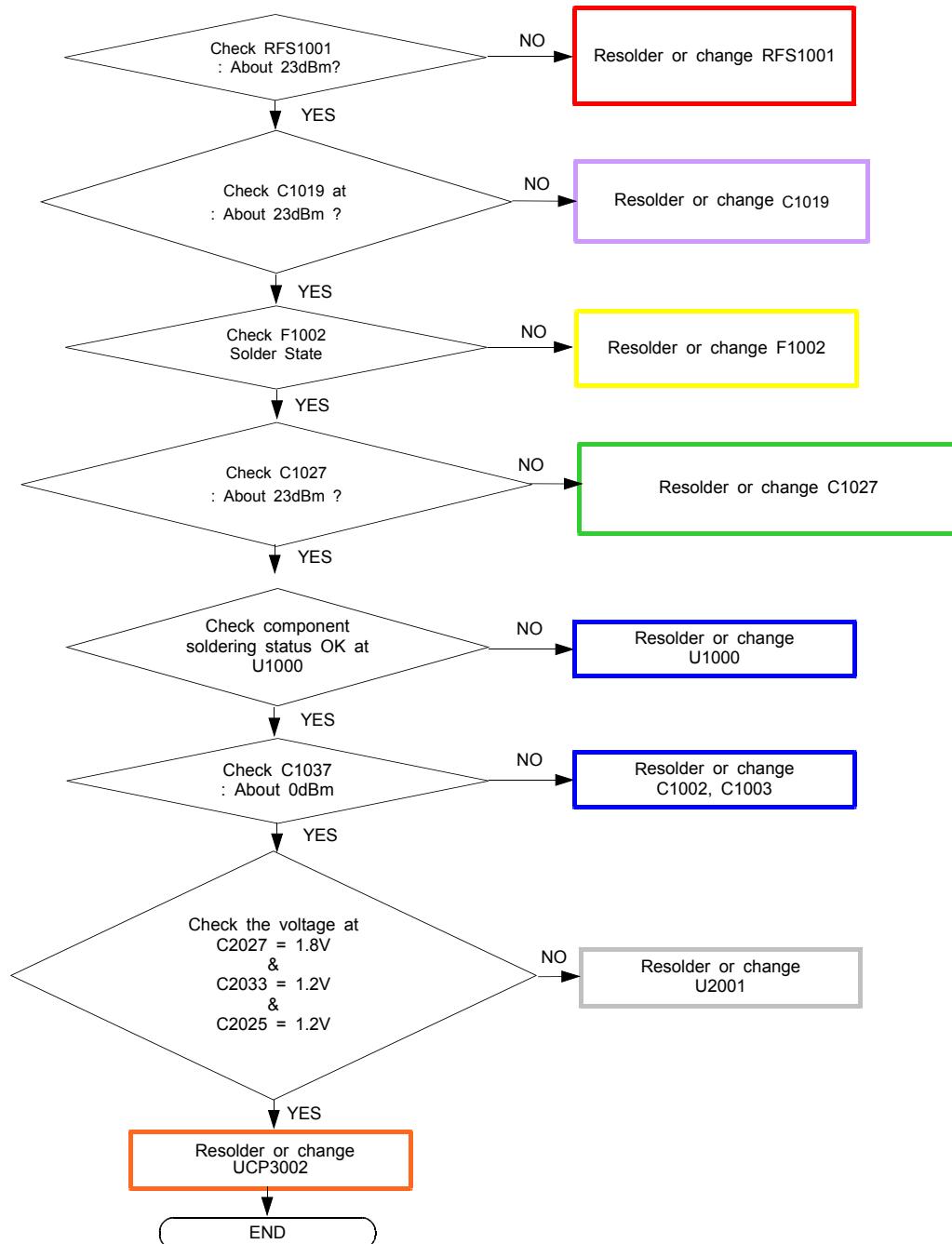
8-3-30. GSM1800, 1900 TX

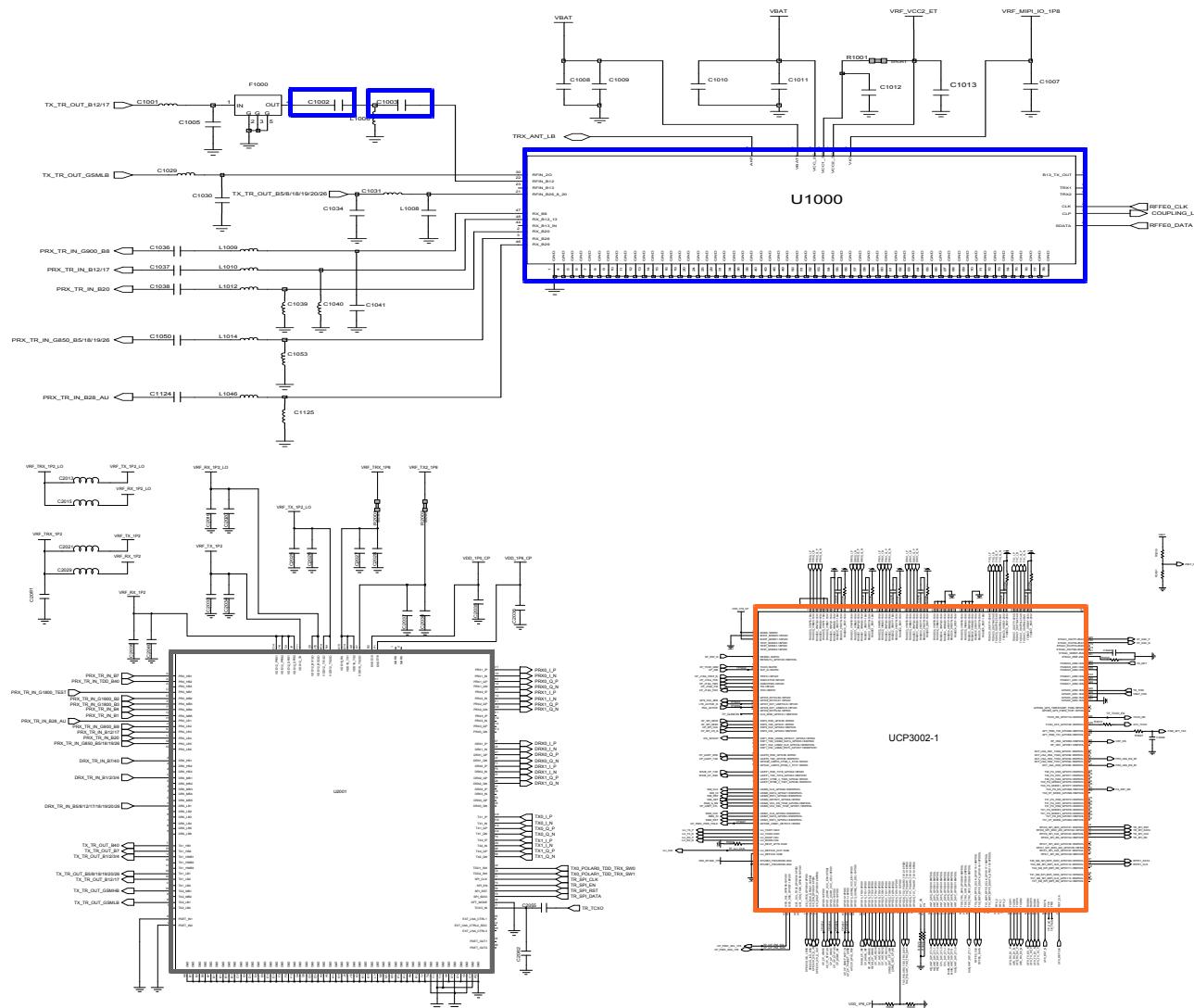
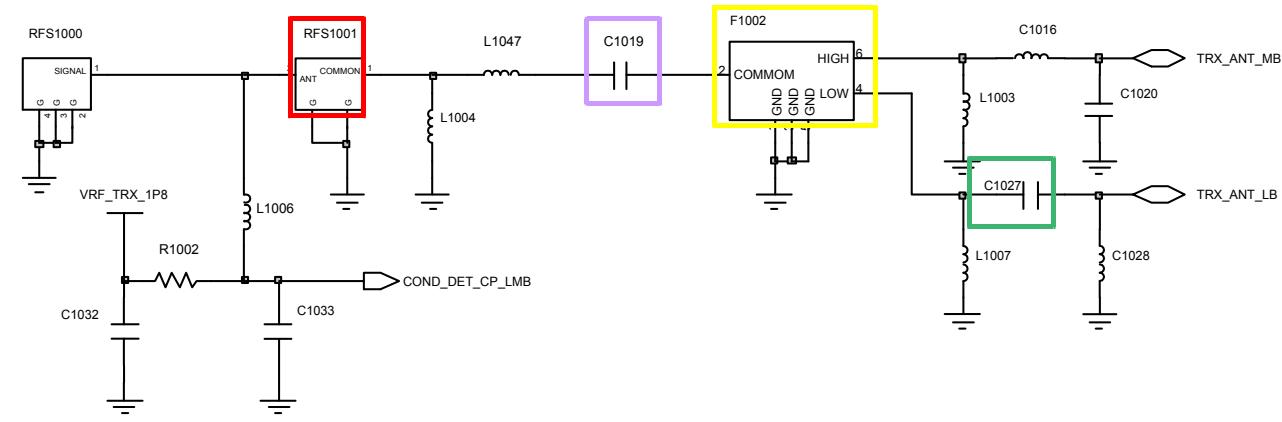


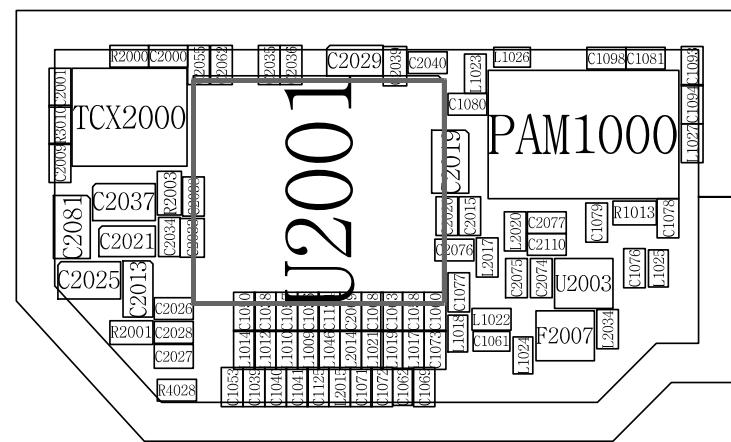
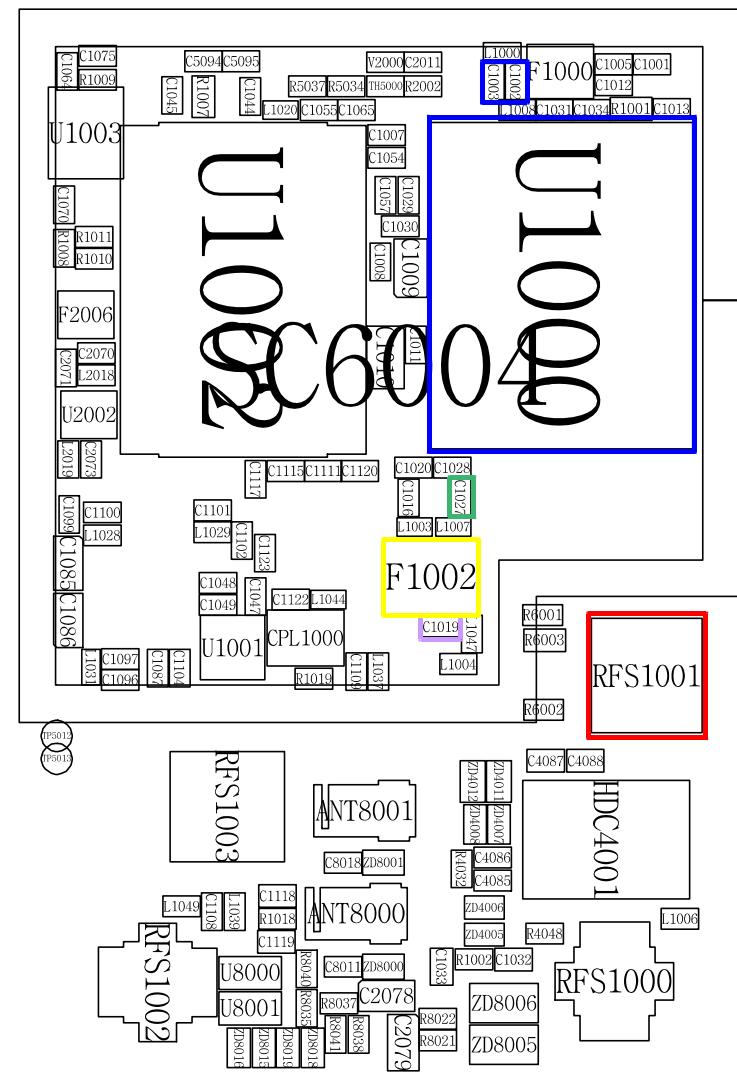




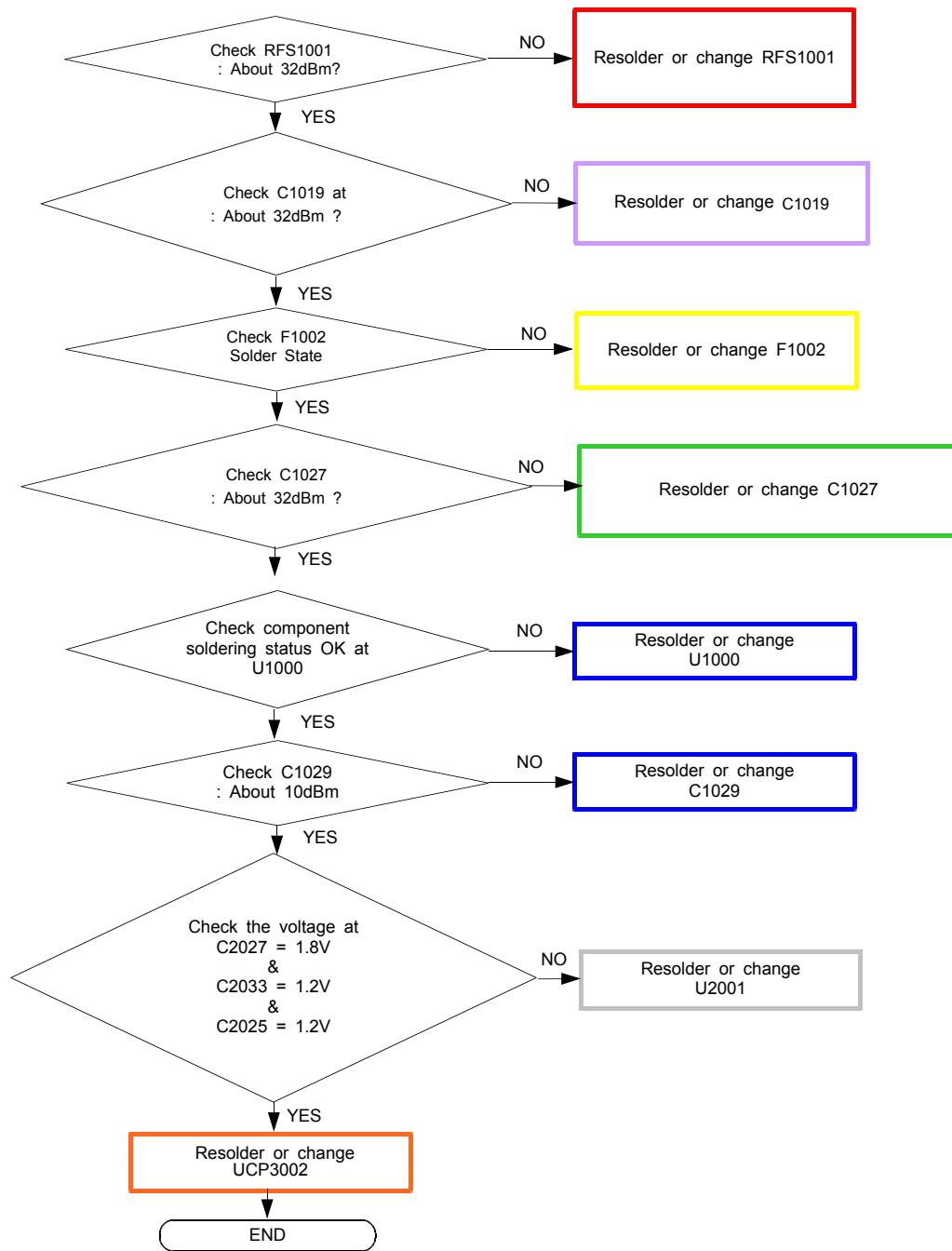
8-3-31. LTE 12, 17 TX

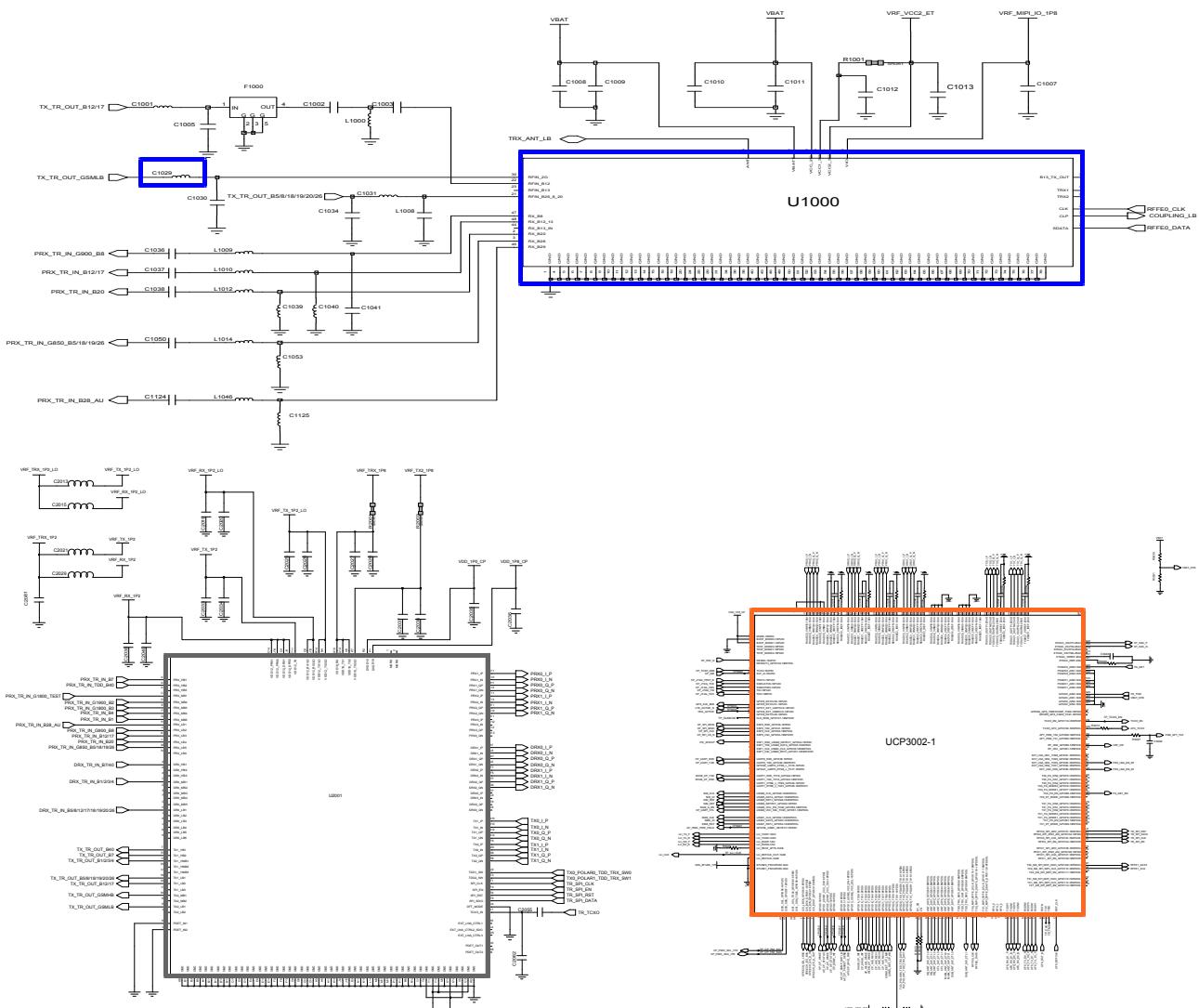
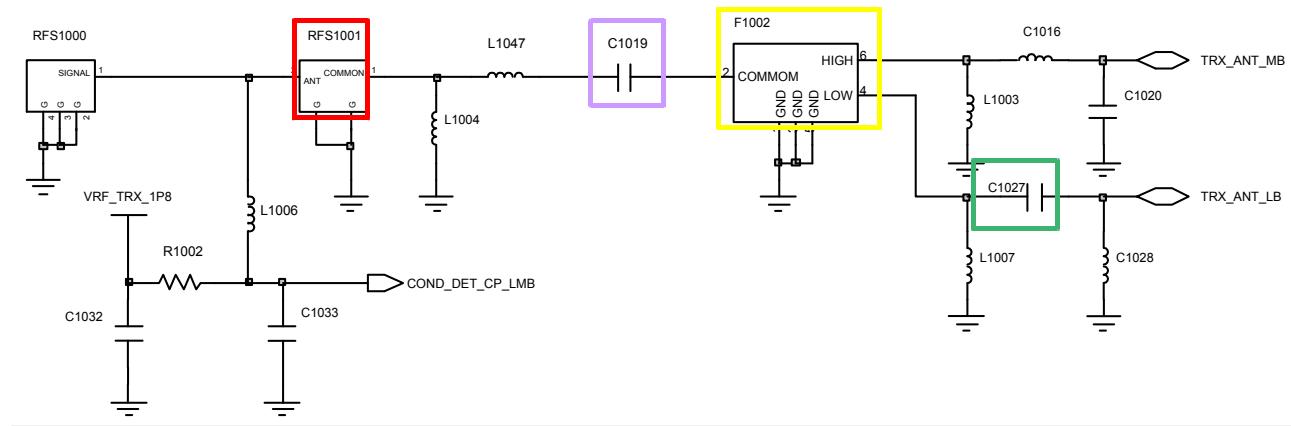


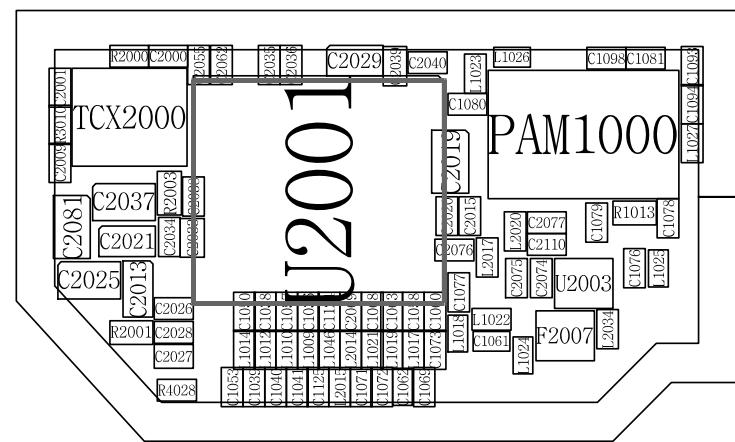
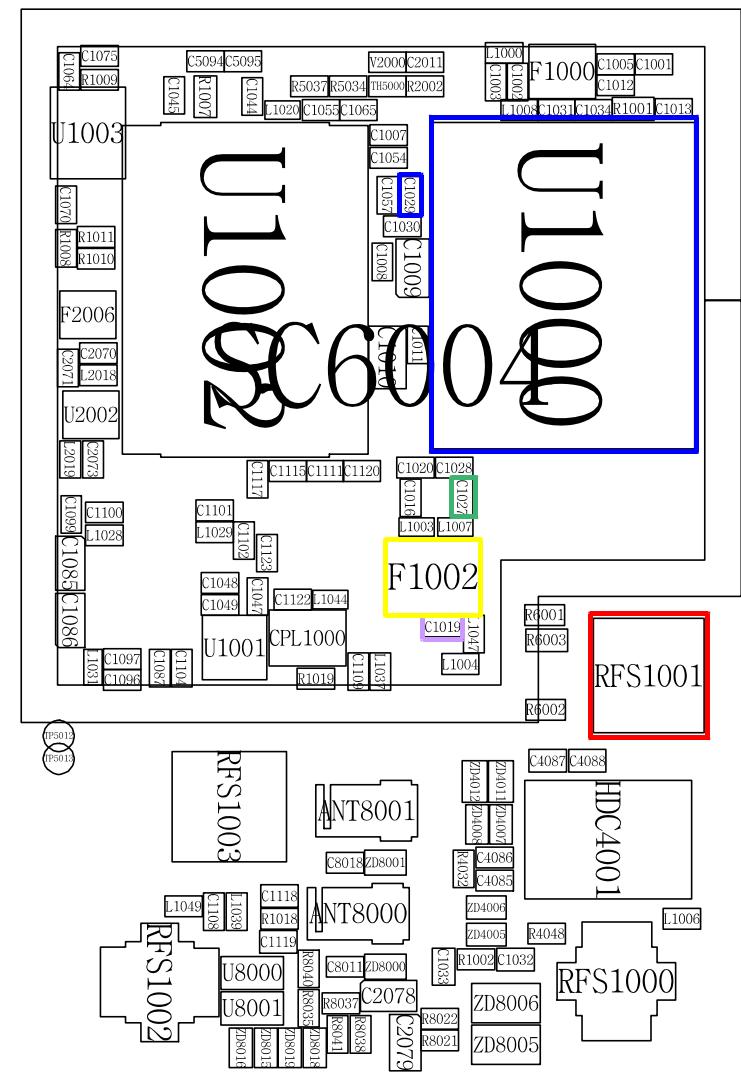




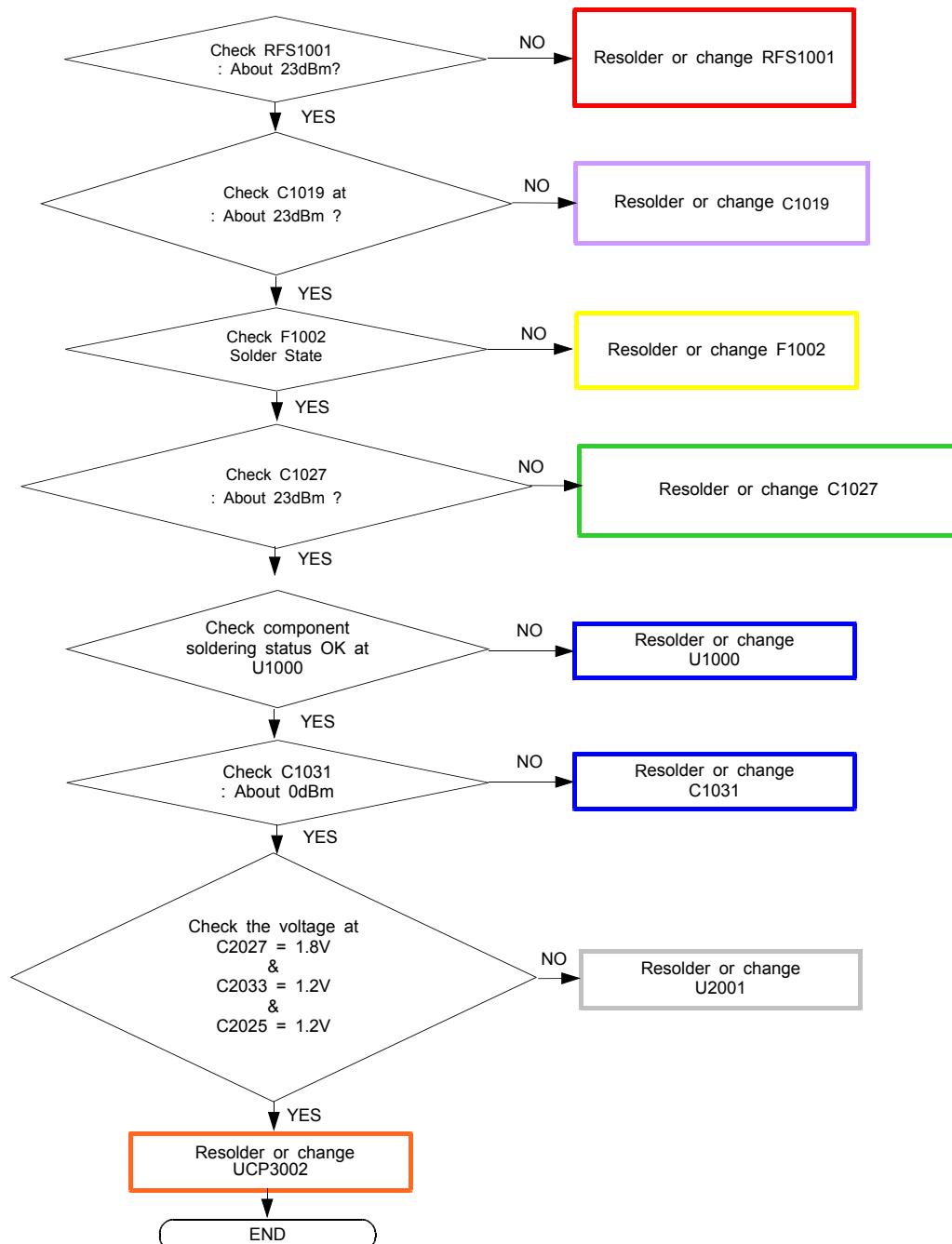
8-3-32. GSM850, 900 TX

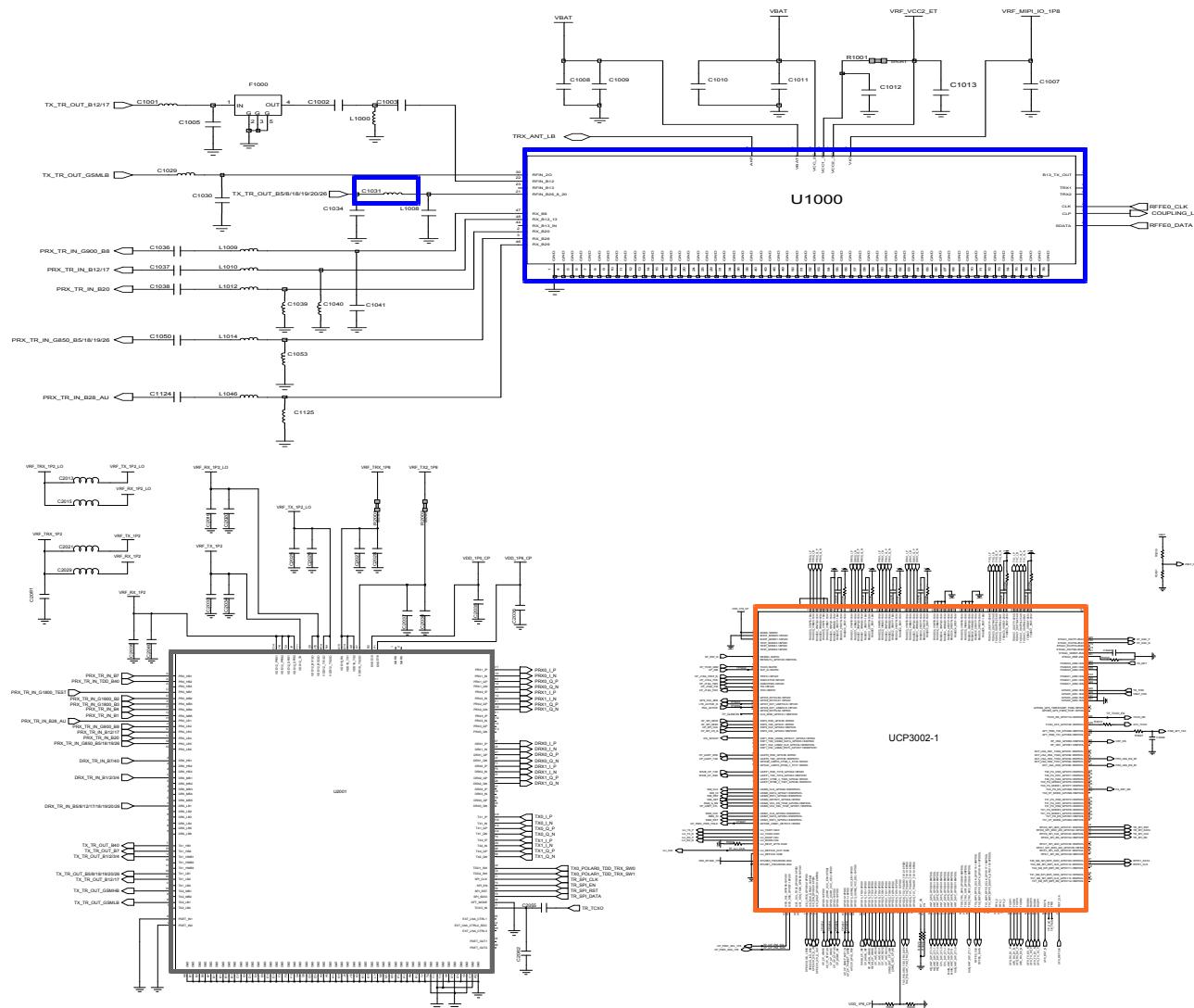
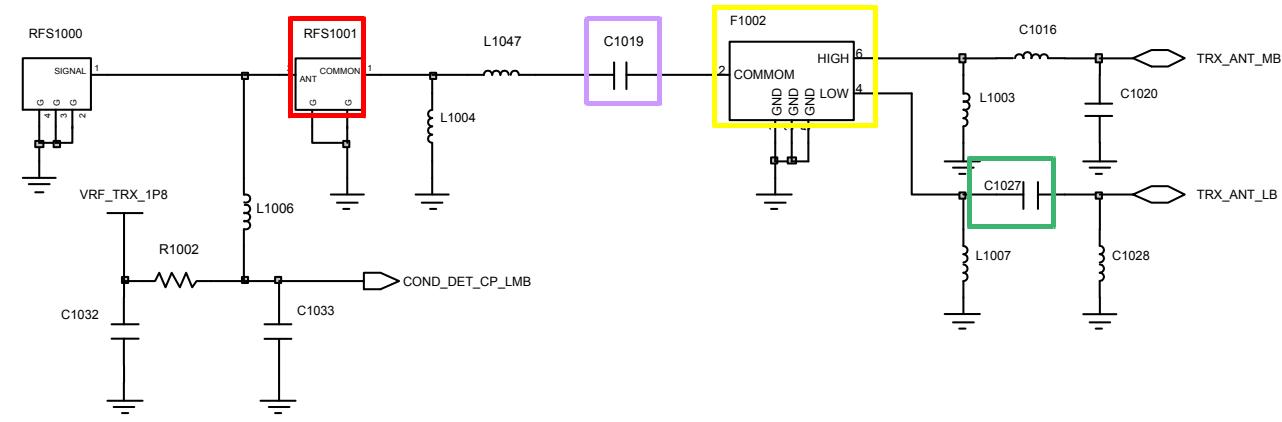


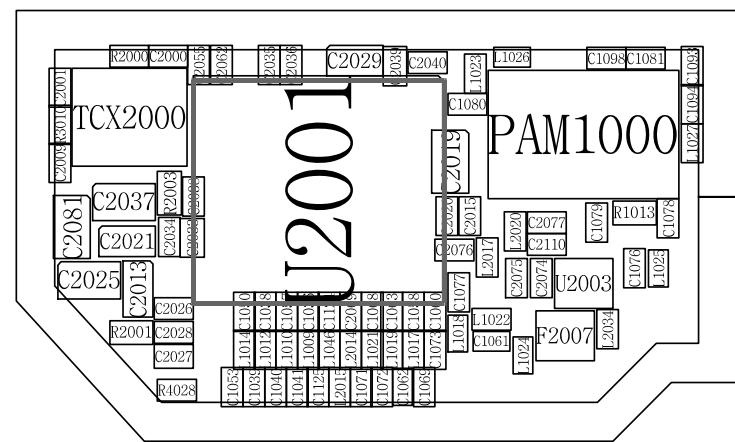
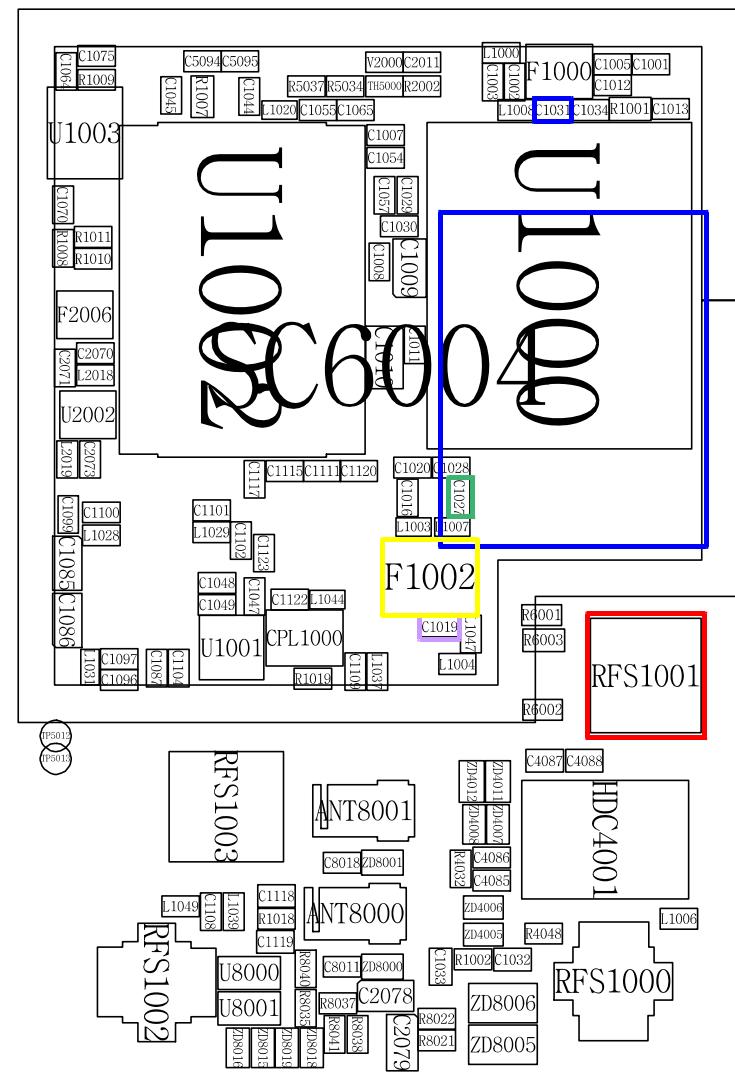




8-3-33. LTE 5, 8, 18, 19, 20, 26 TX







8-3-34. LTE 7 TX

