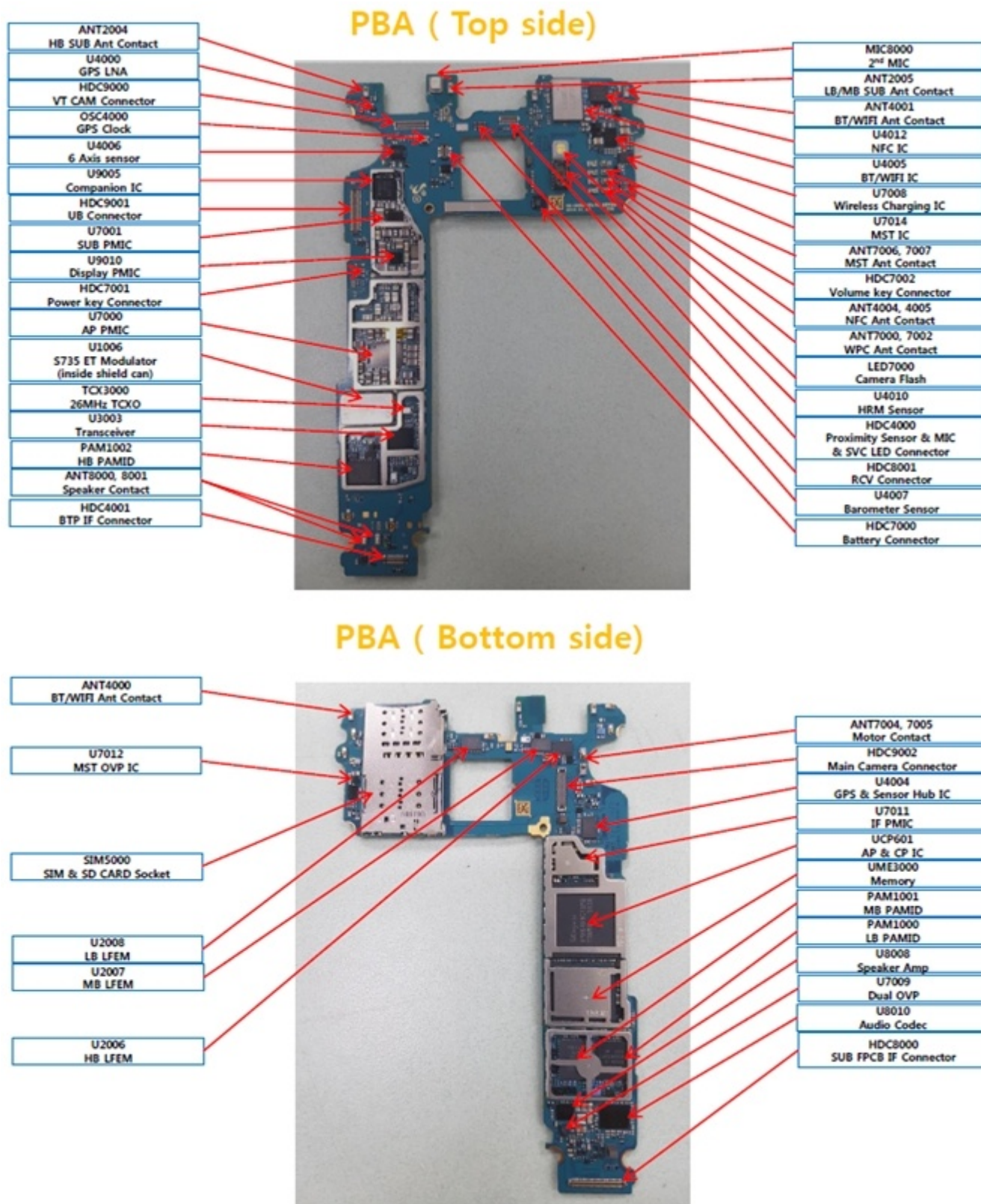


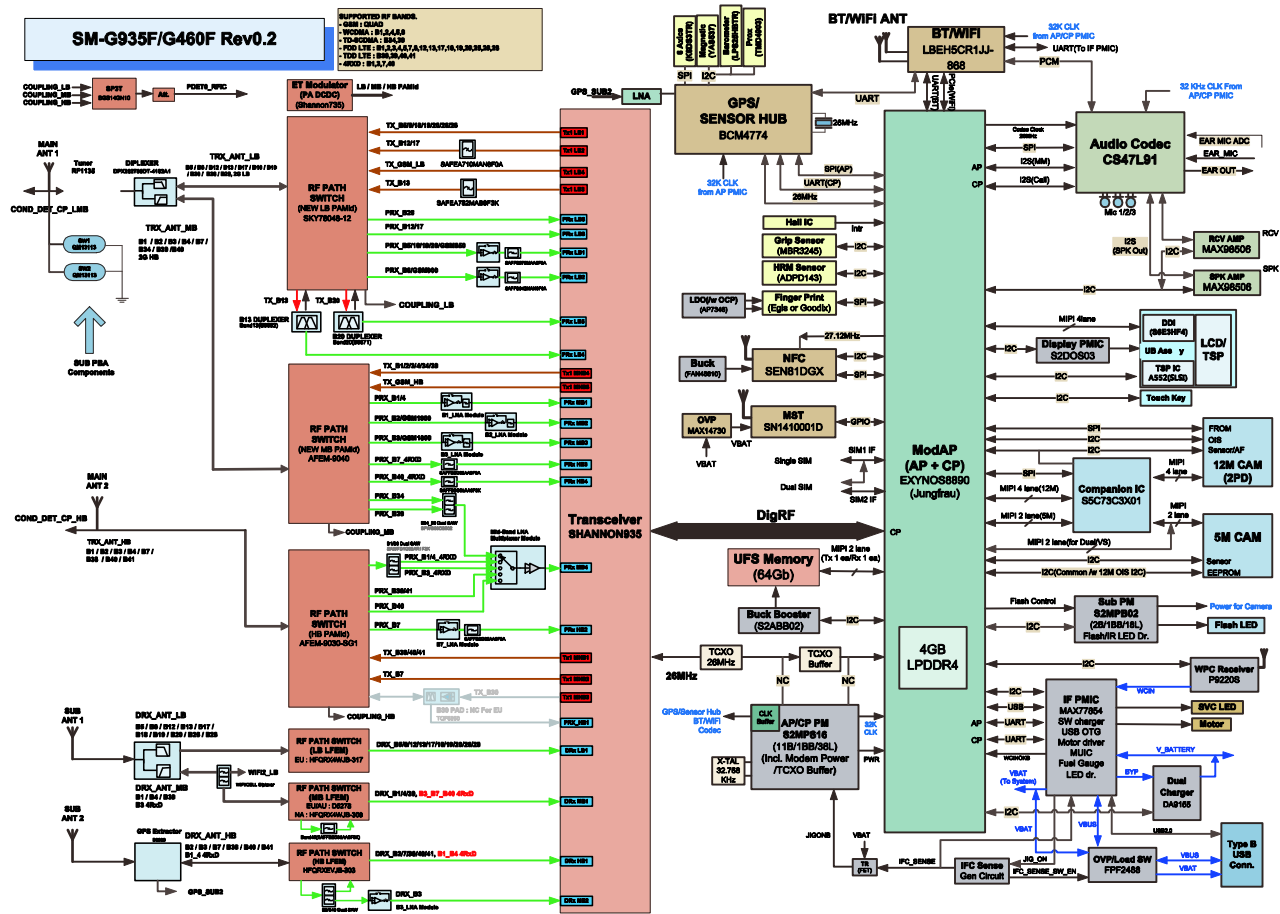
8. Level 3 Repair (VIETMOBILE.VN)

8-1. Components Layout

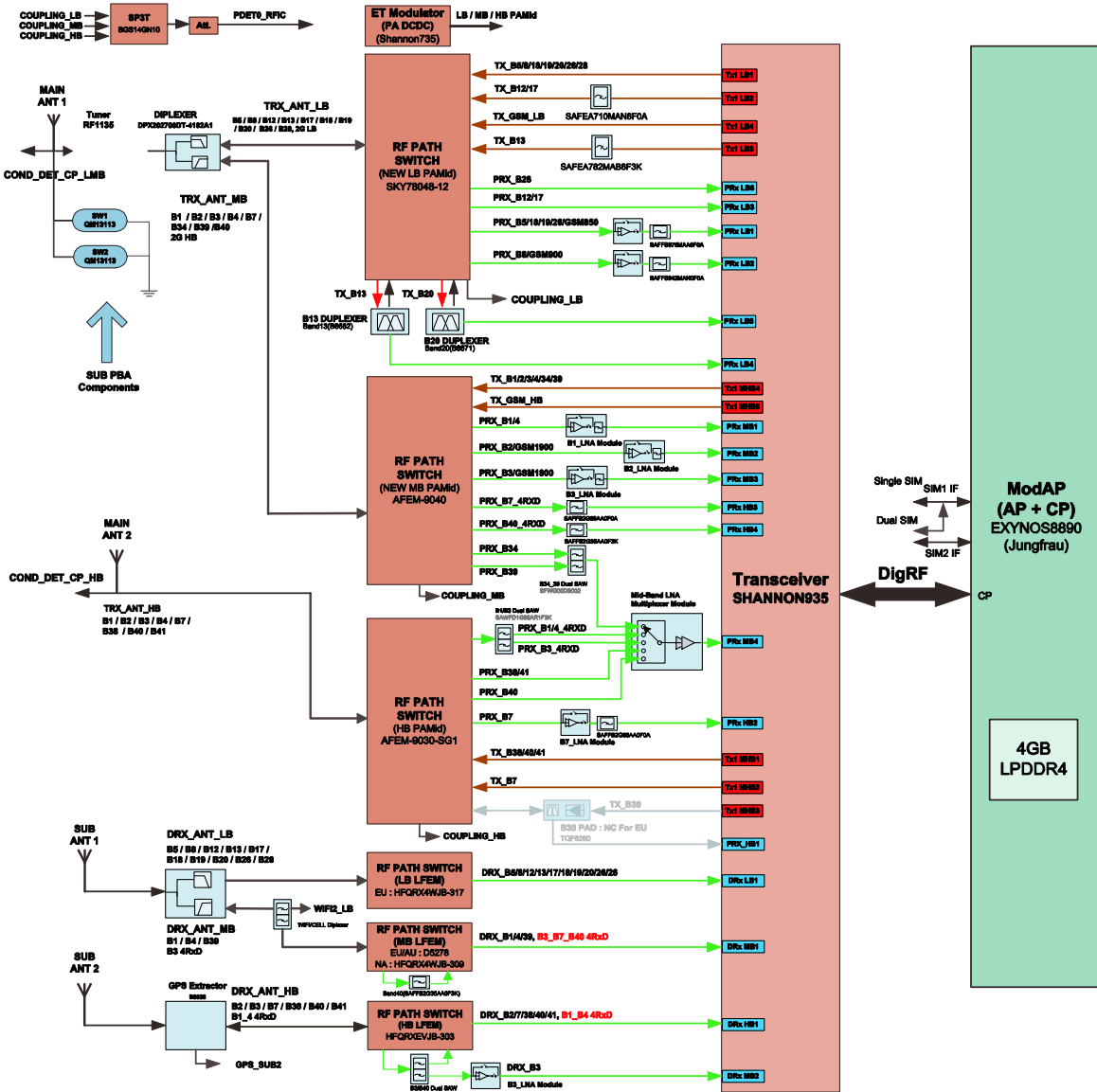


8. Level 3 Repair (VIETMOBILE.VN)

8-2. Block Diagram



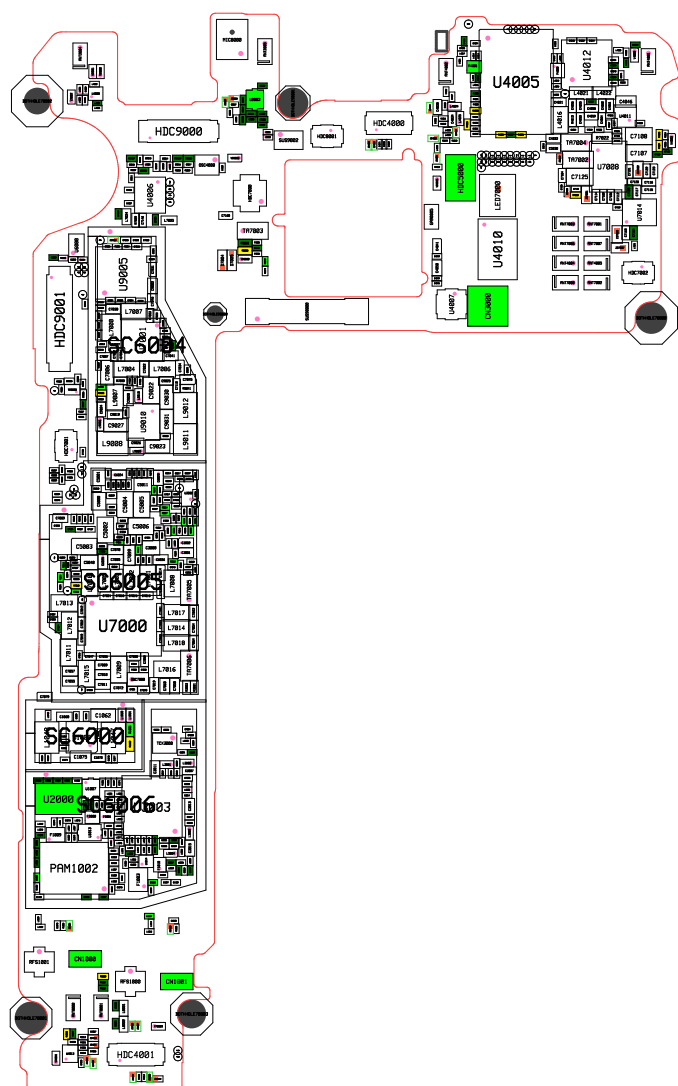
8. Level 3 Repair (VIETMOBILE.VN)



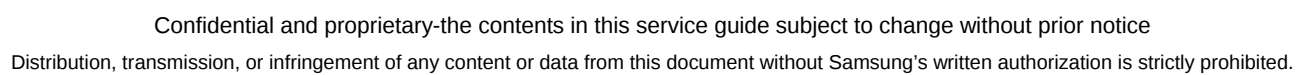
8. Level 3 Repair

8-3. PCB Diagrams

8-3-1. Top

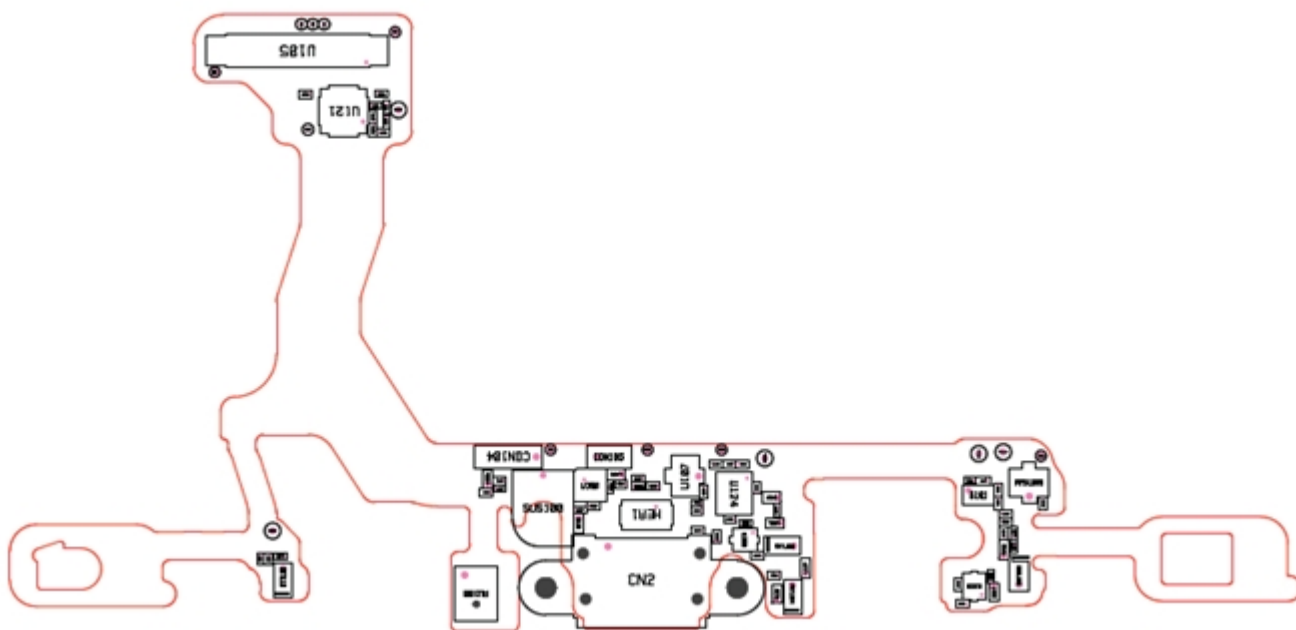


8-3-2. Bottom

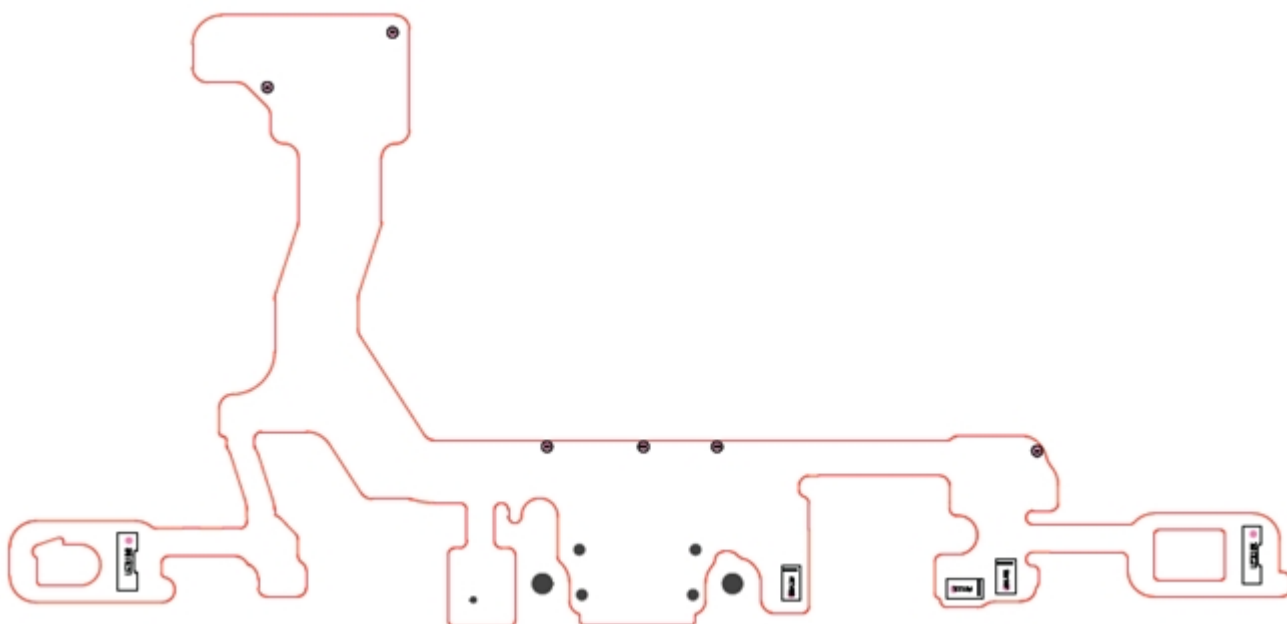


8. Level 3 Repair

8-3-3. Sub PBA Top



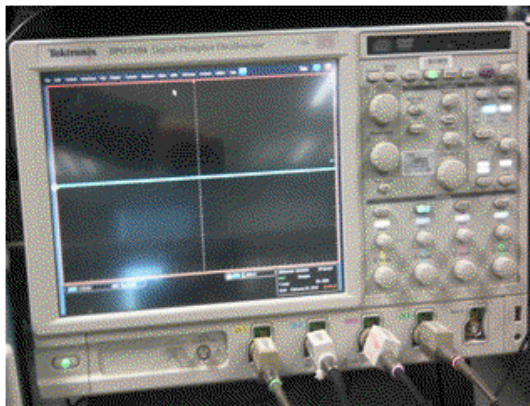
8-3-4. Sub PBA Bottom



8. Level 3 Repair

8-4. Flow Chart of Troubleshooting

Equipments



↑ Oscilloscope



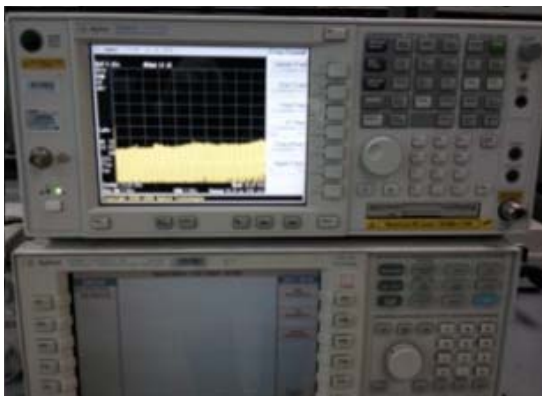
↑ Digital Multimeter



↑ Power Supply



↑ + driver, ESD Safe Tweezer



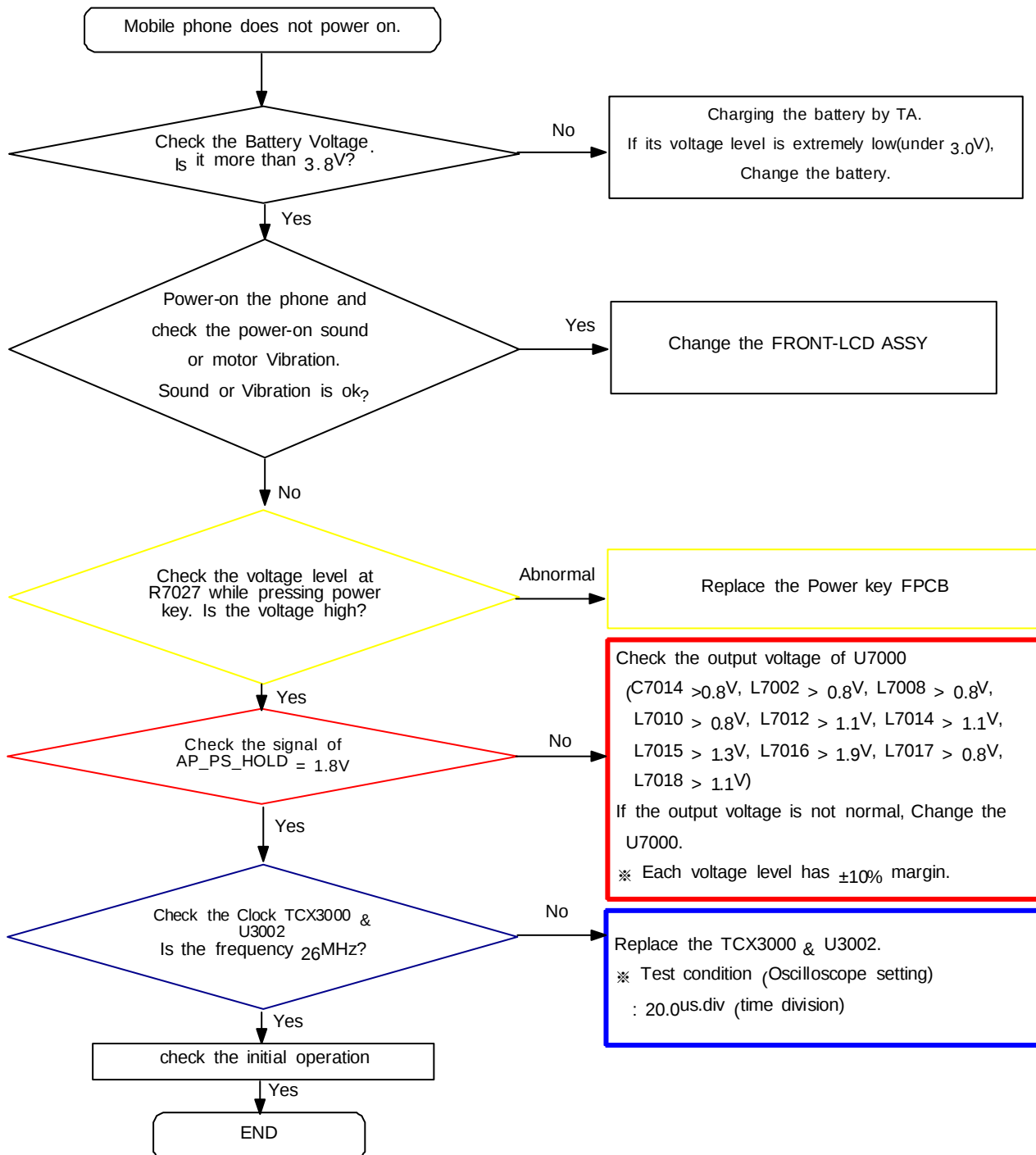
↑ 8960 & Spectrum Analyzer



↑ Soldering iron

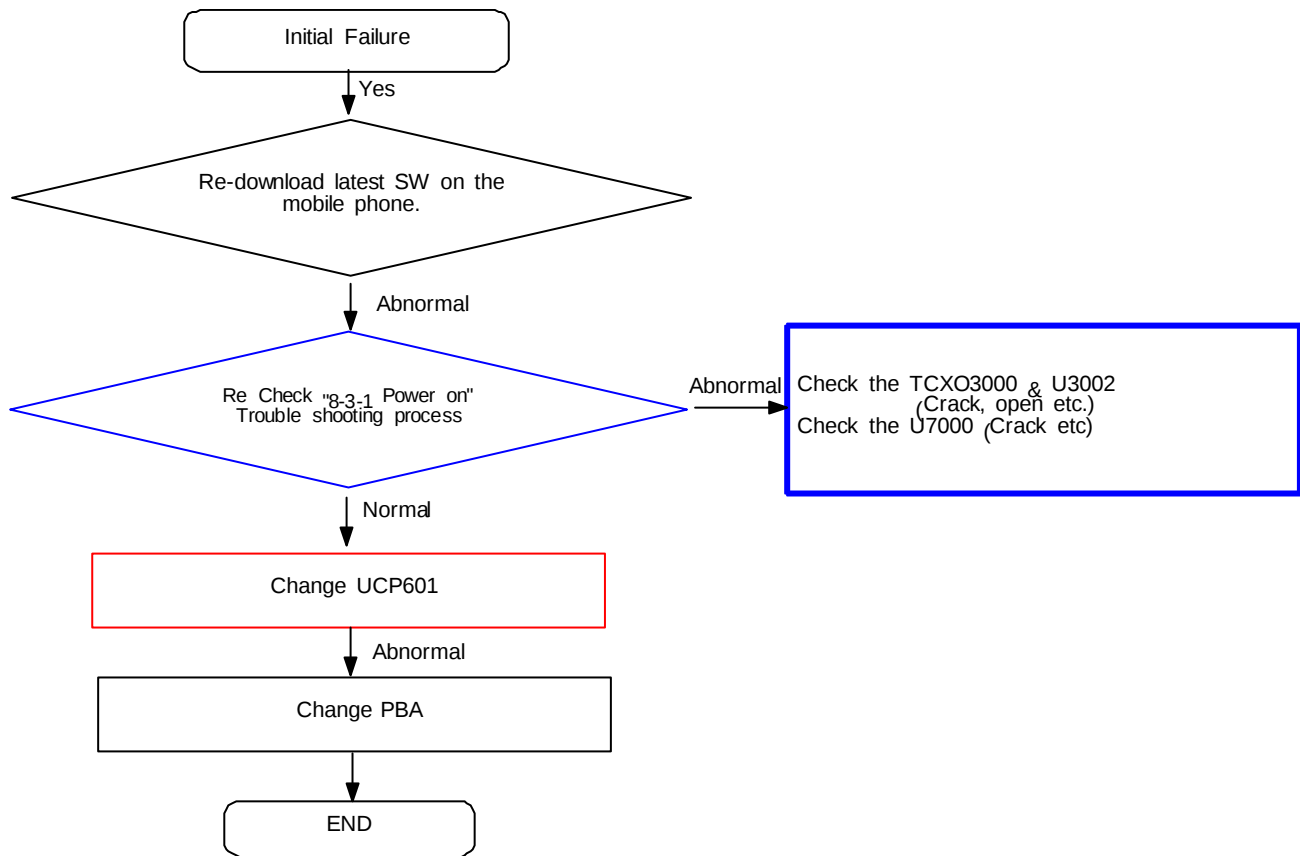
8. Level 3 Repair

8-4-1. Power On



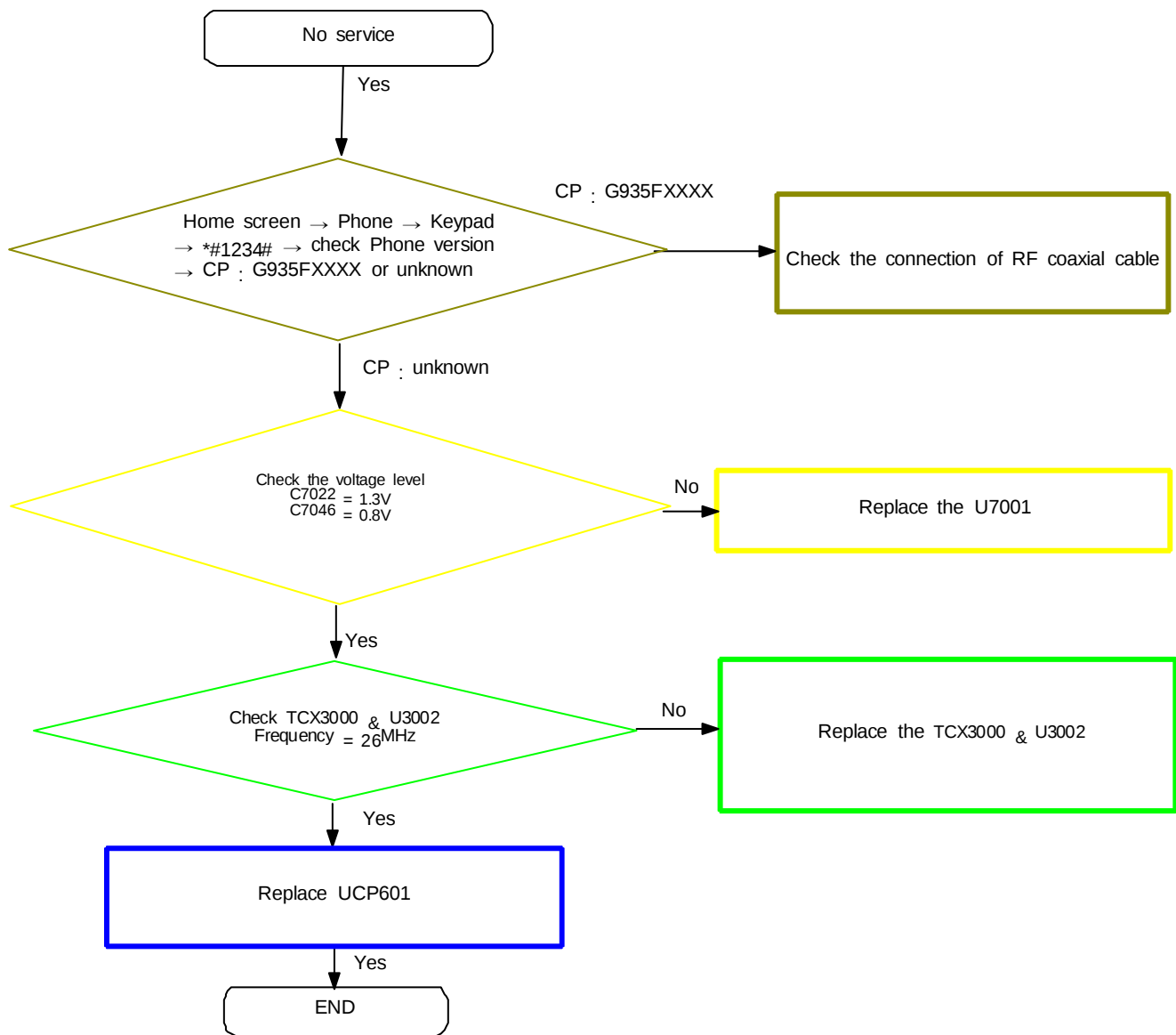
8. Level 3 Repair

8-4-2. Initial



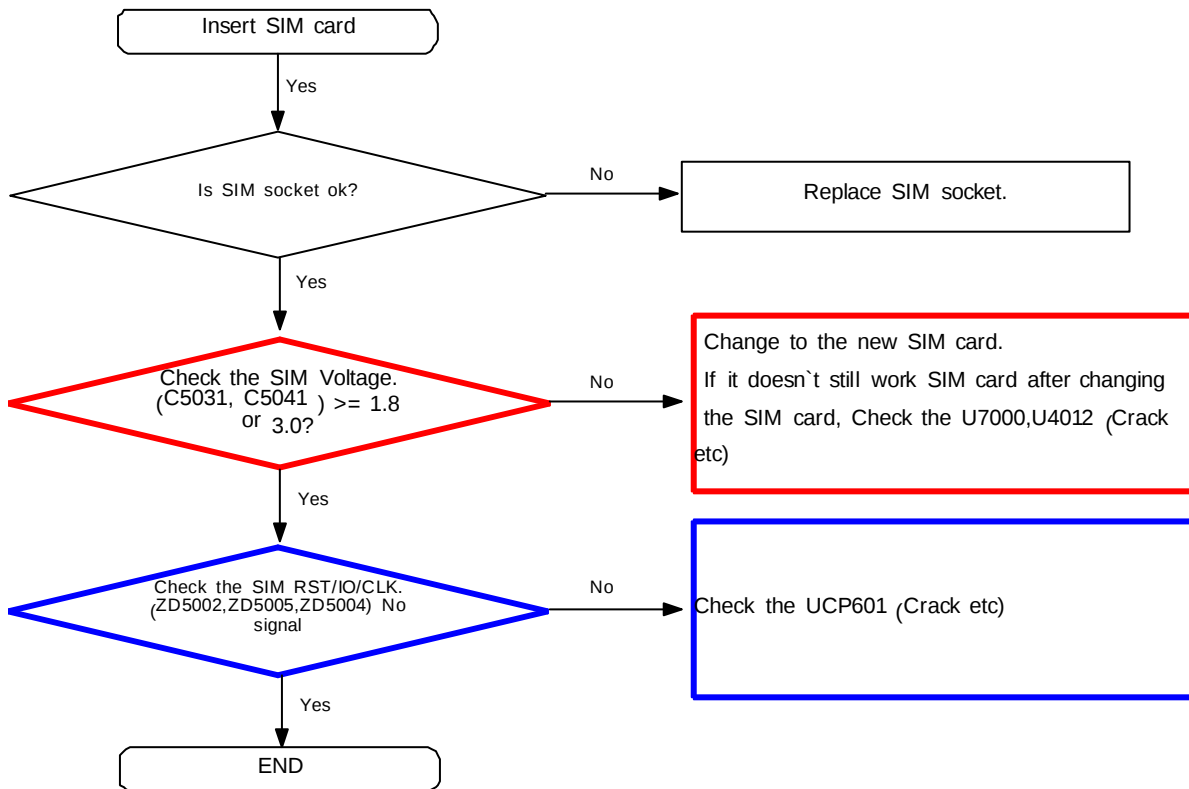
8. Level 3 Repair

8-4-3. No Service



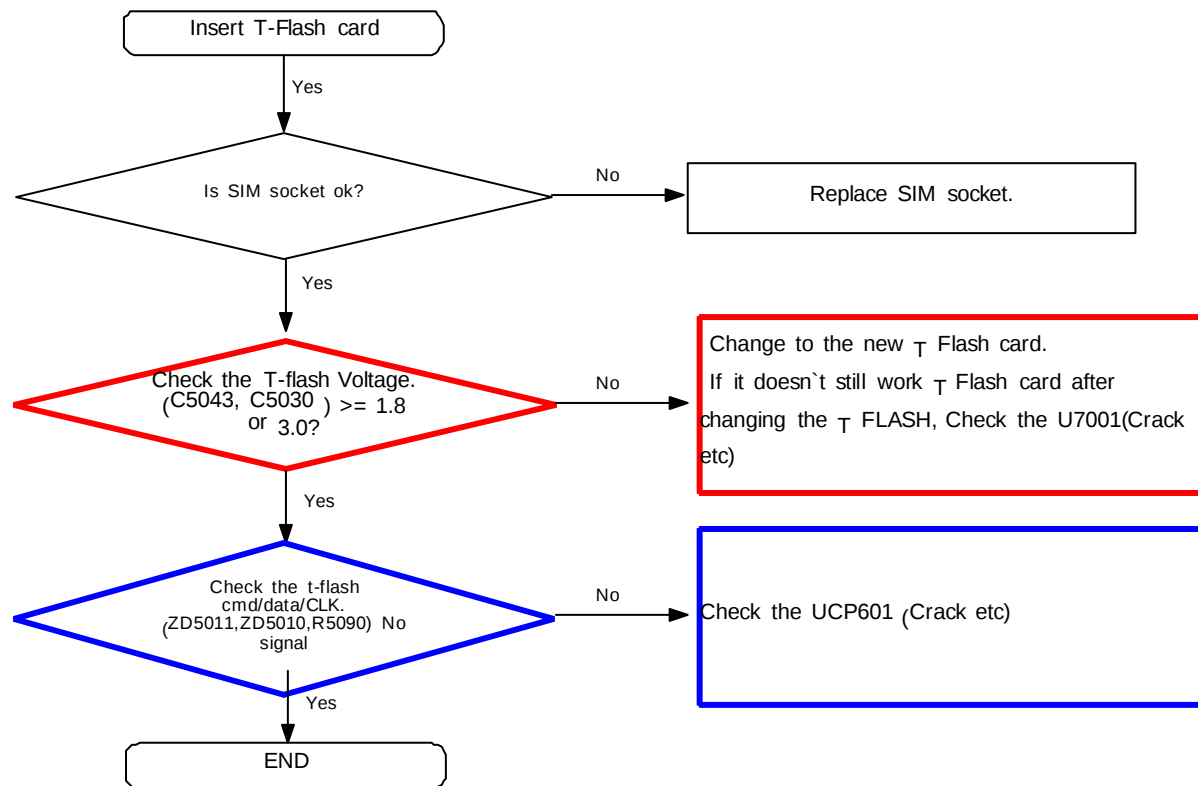
8. Level 3 Repair

8-4-4. Sim Part



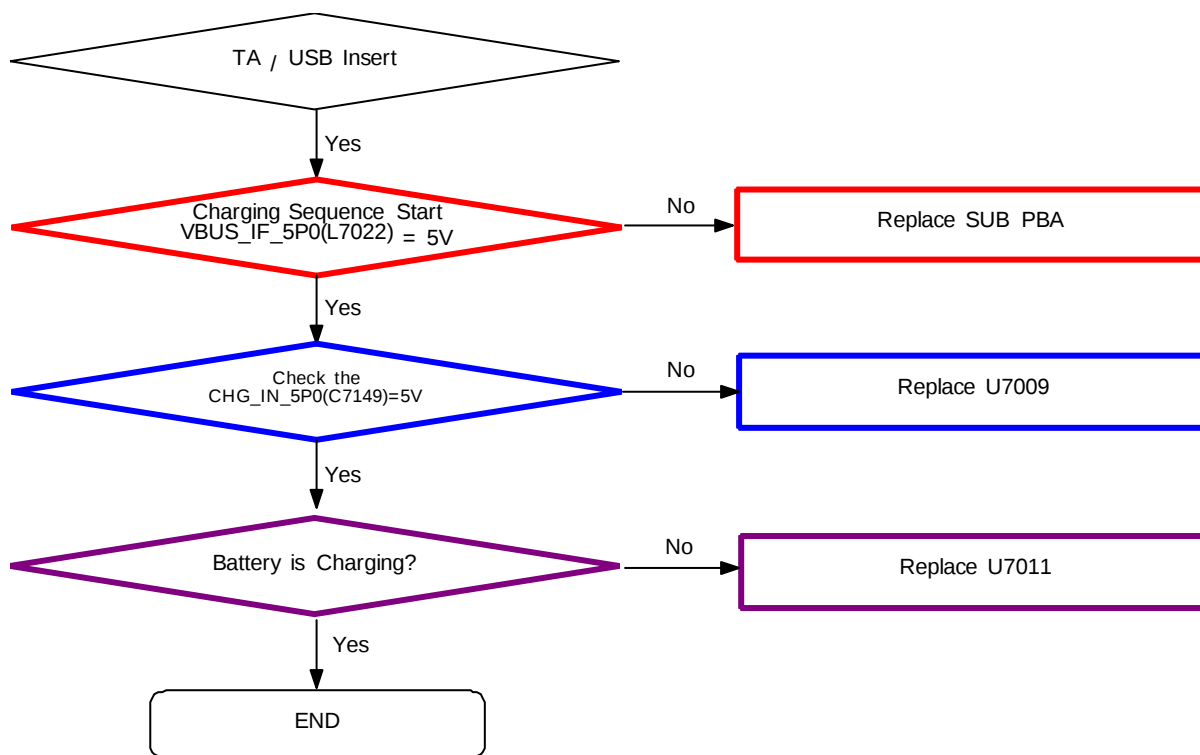
8. Level 3 Repair

8-4-5. T-Flash Part



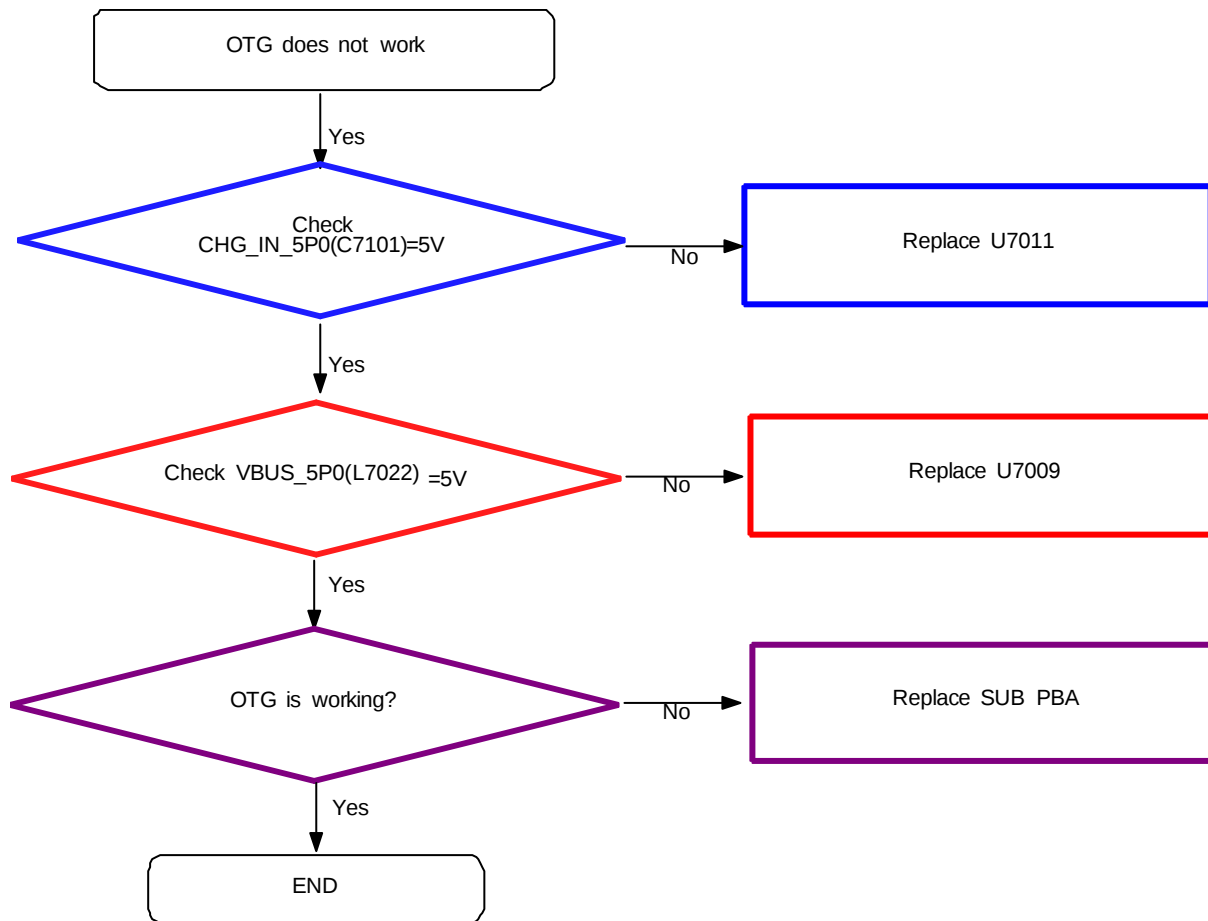
8. Level 3 Repair

8-4-6. Charging Part



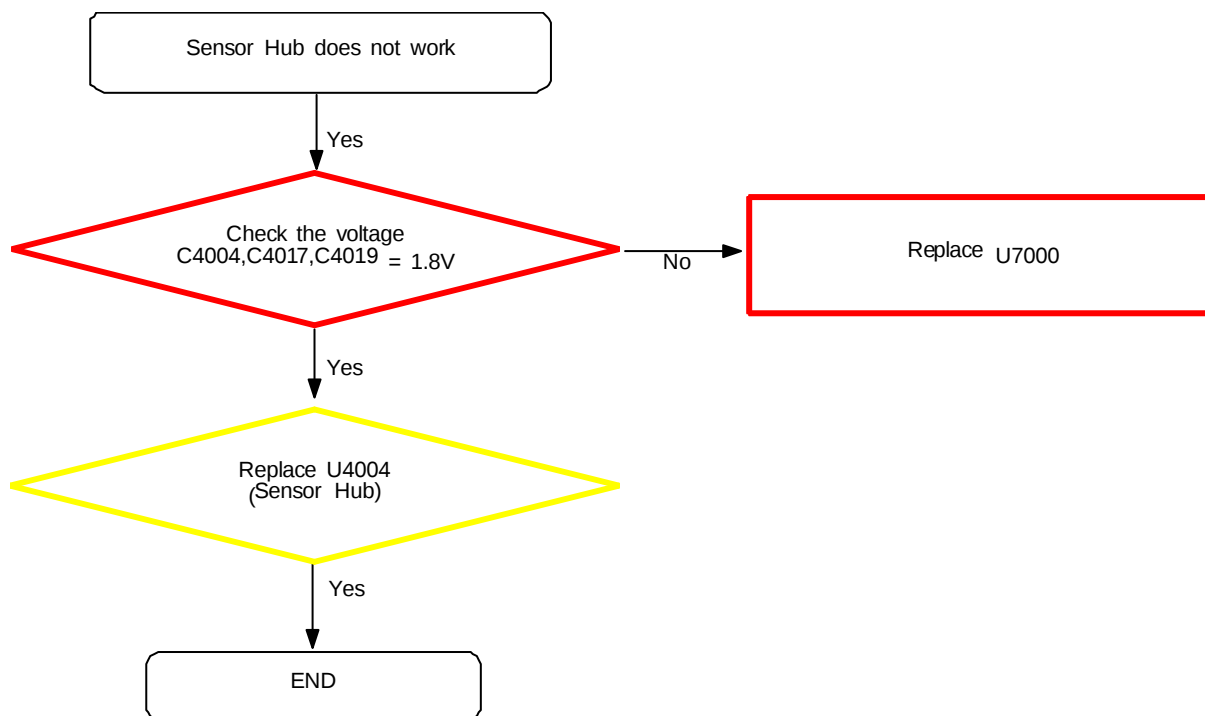
8. Level 3 Repair

8-4-7. OTG



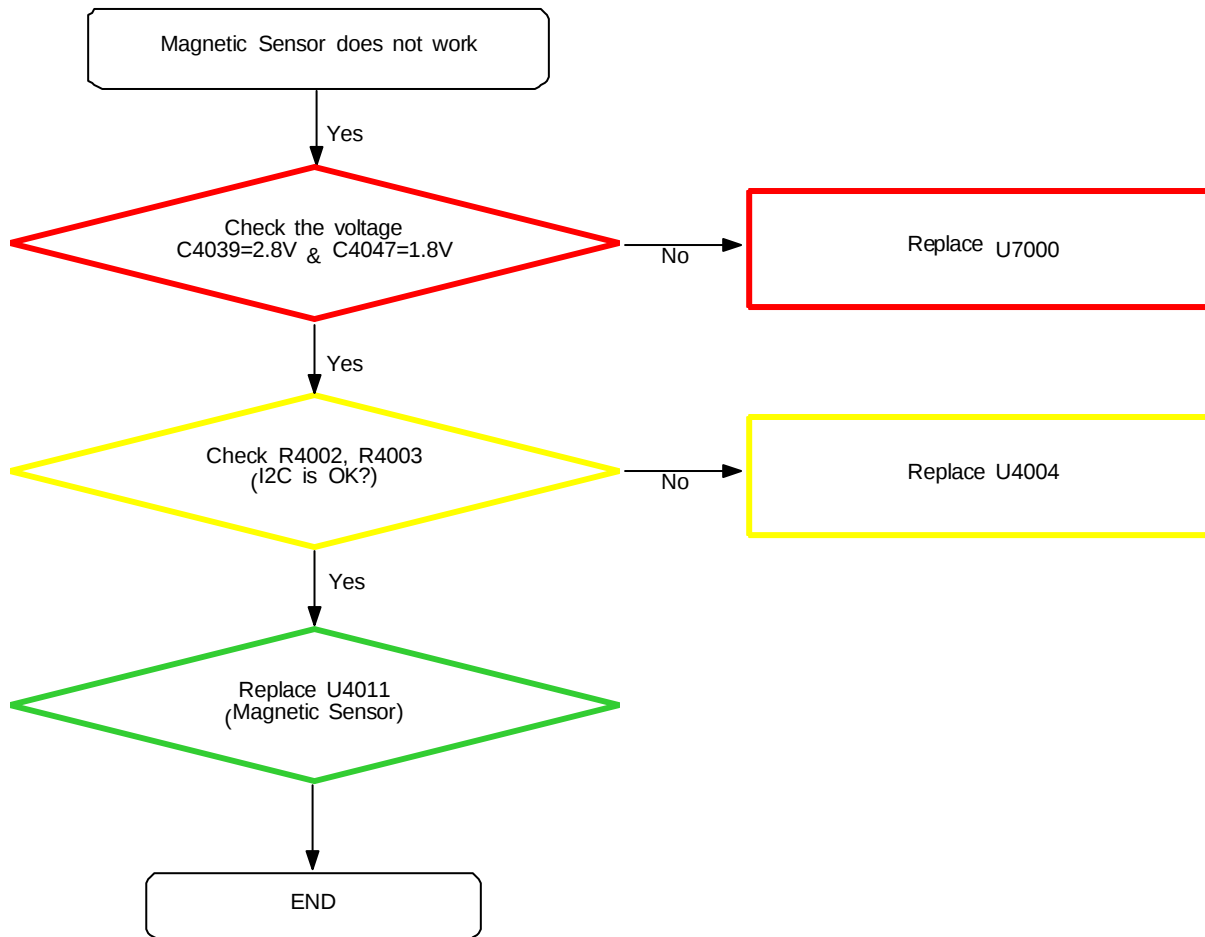
8. Level 3 Repair

8-4-8-1. Sensor Hub



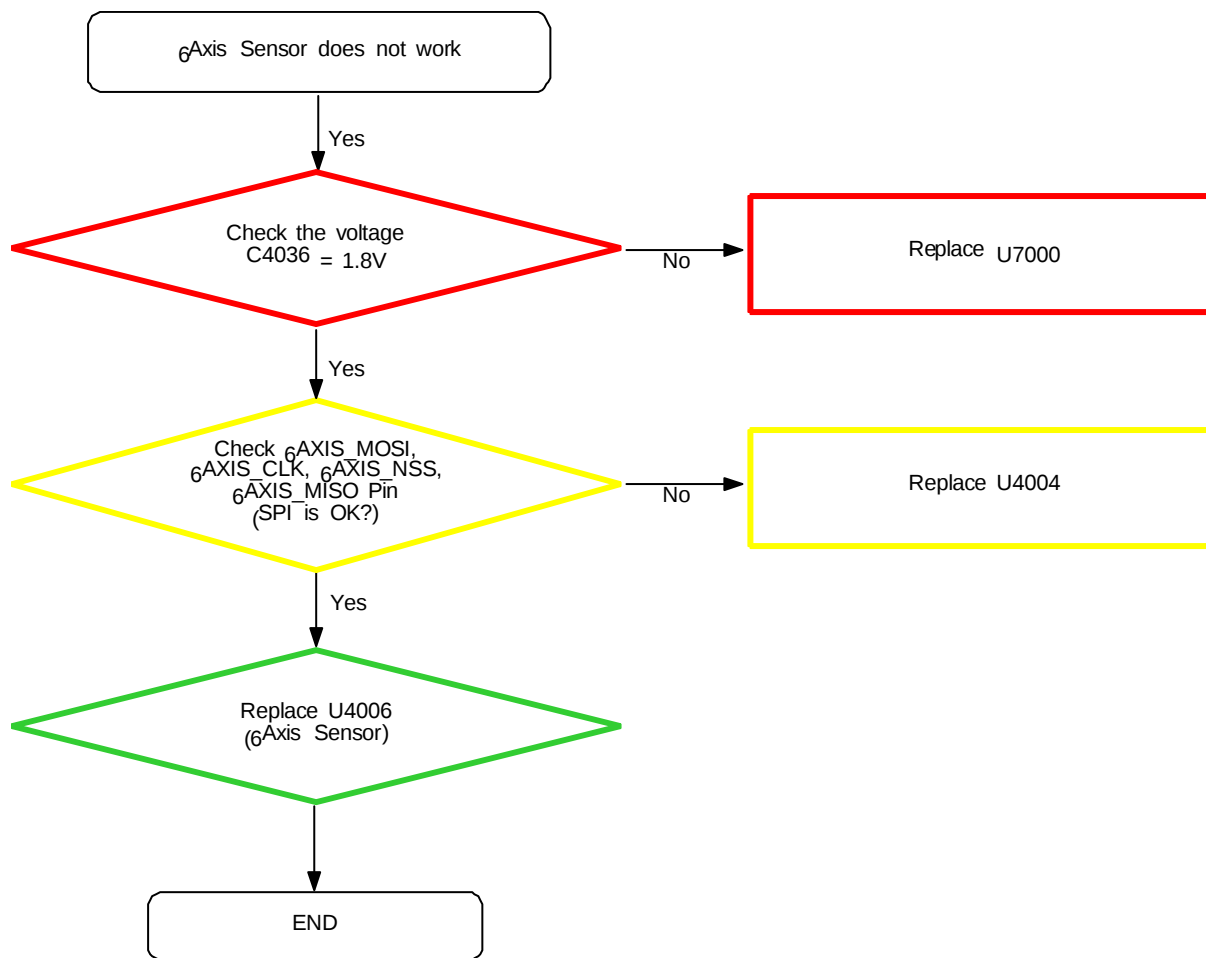
8. Level 3 Repair

8-4-8-2. Magnetic Sensor



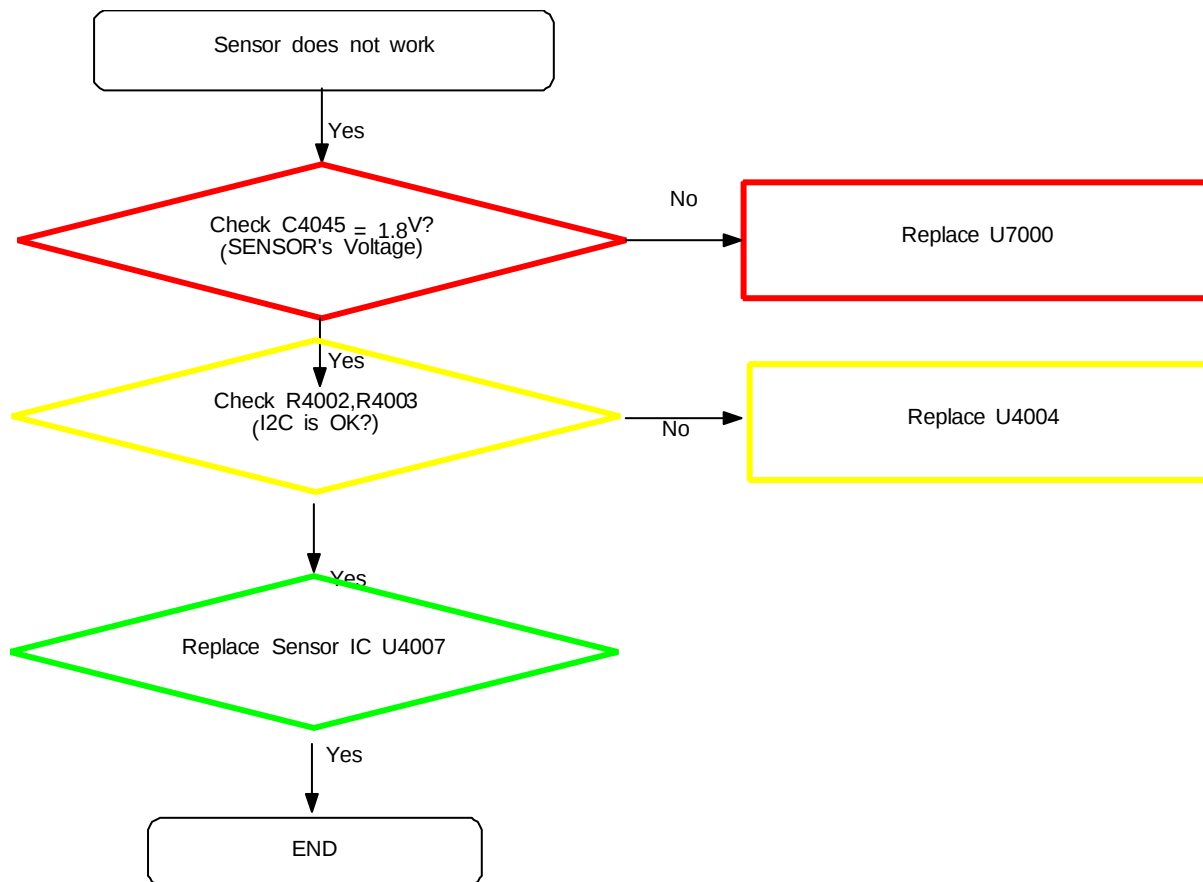
8. Level 3 Repair

8-4-8-3. 6Axis Sensor



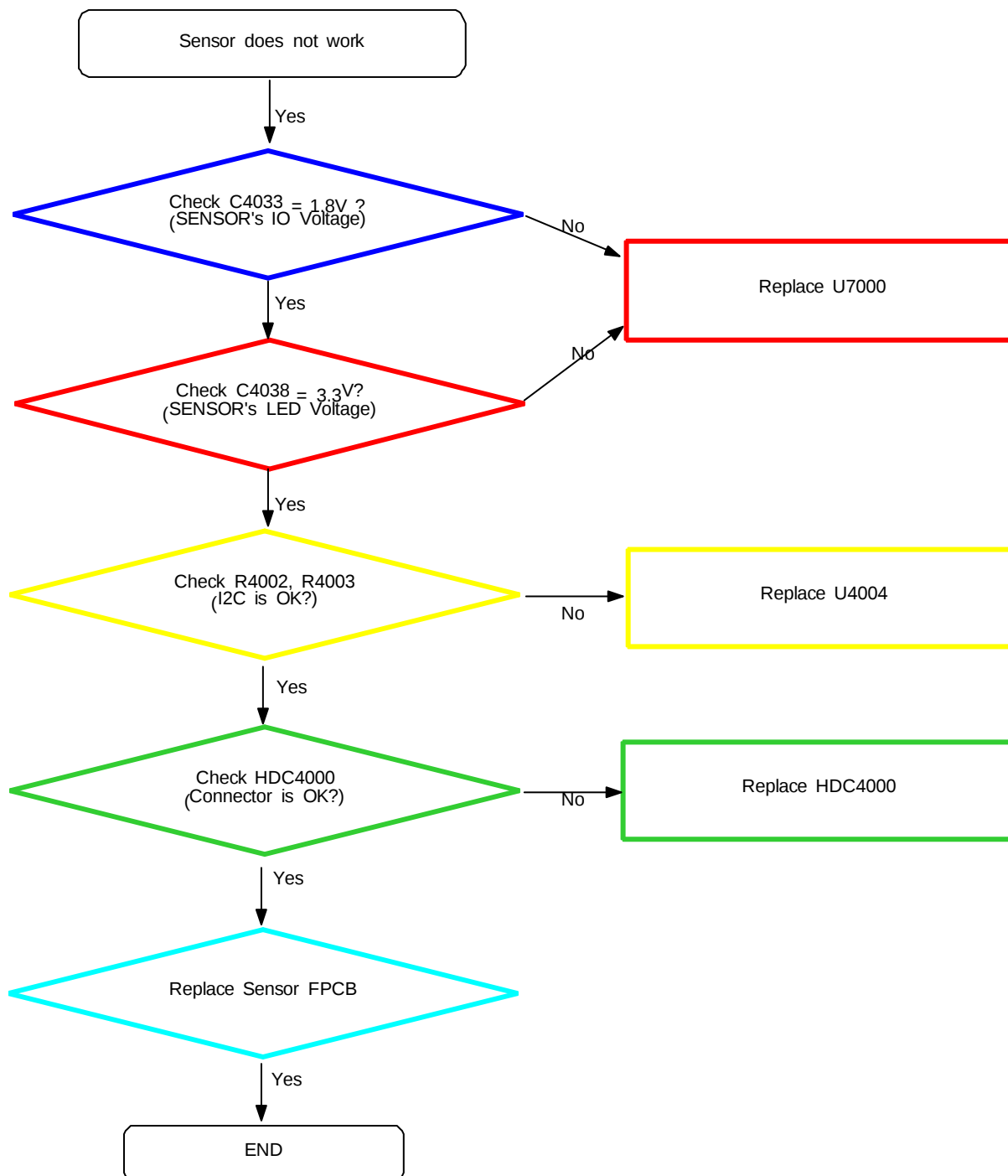
8. Level 3 Repair

8-4-8-4. Barometer sensor



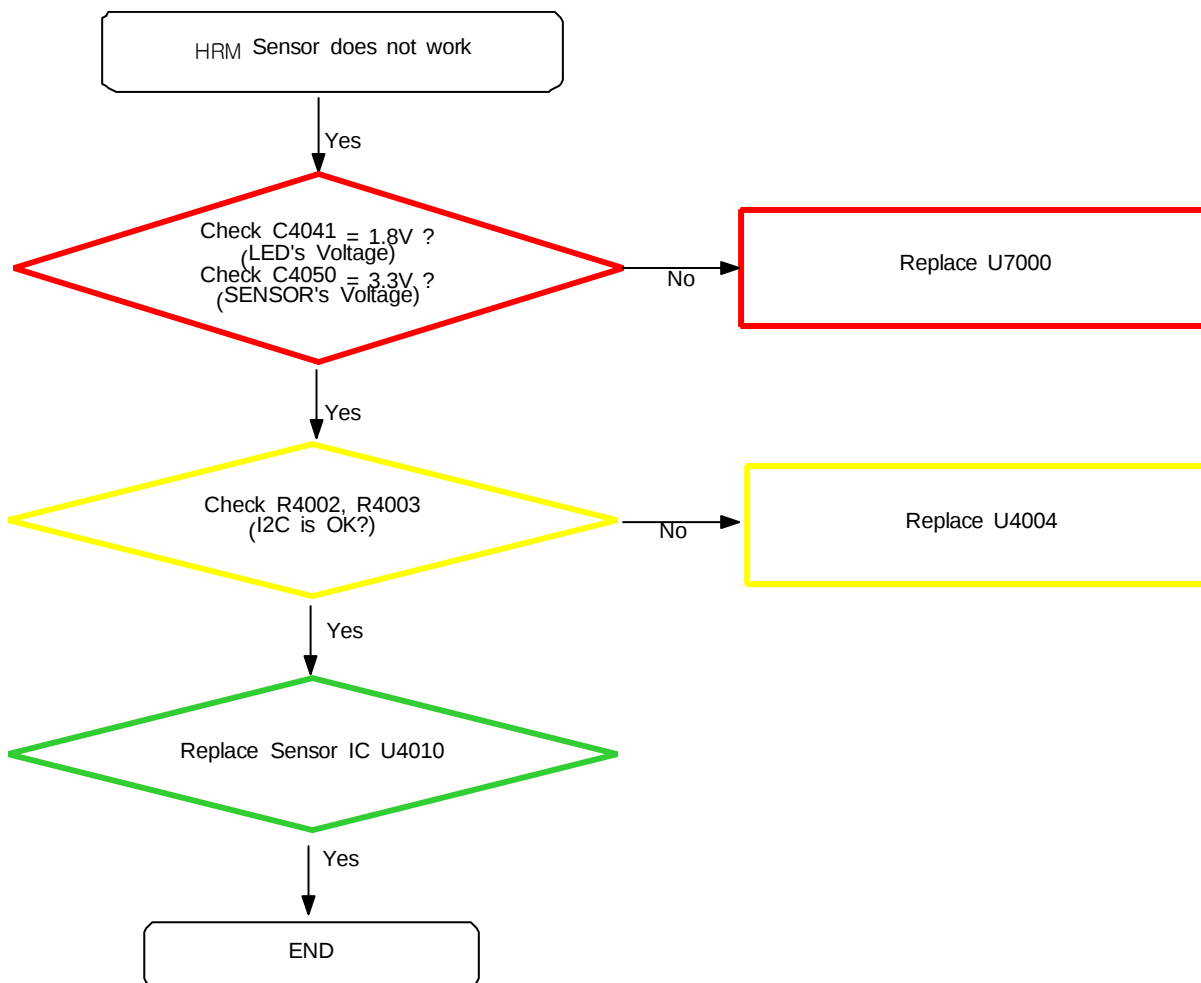
8. Level 3 Repair

8-4-8-5. Proximity+RGB sensor



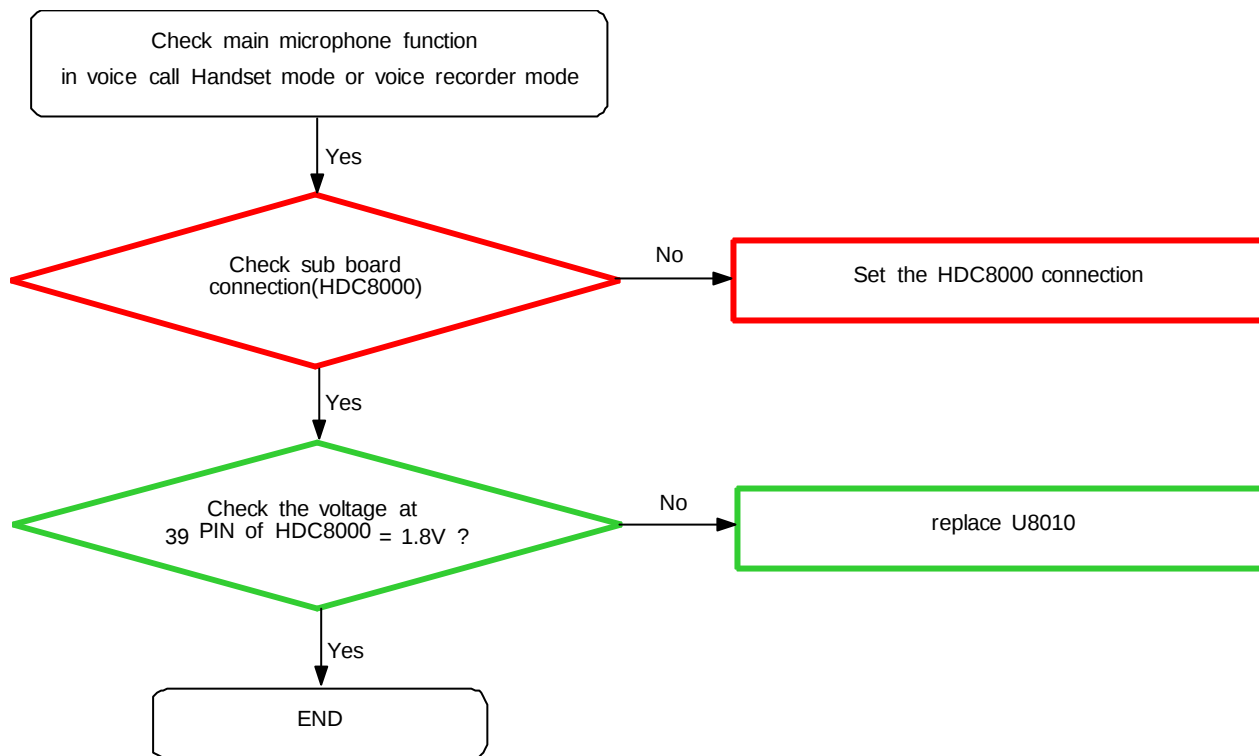
8. Level 3 Repair

8-4-8-6. HRM Sensor



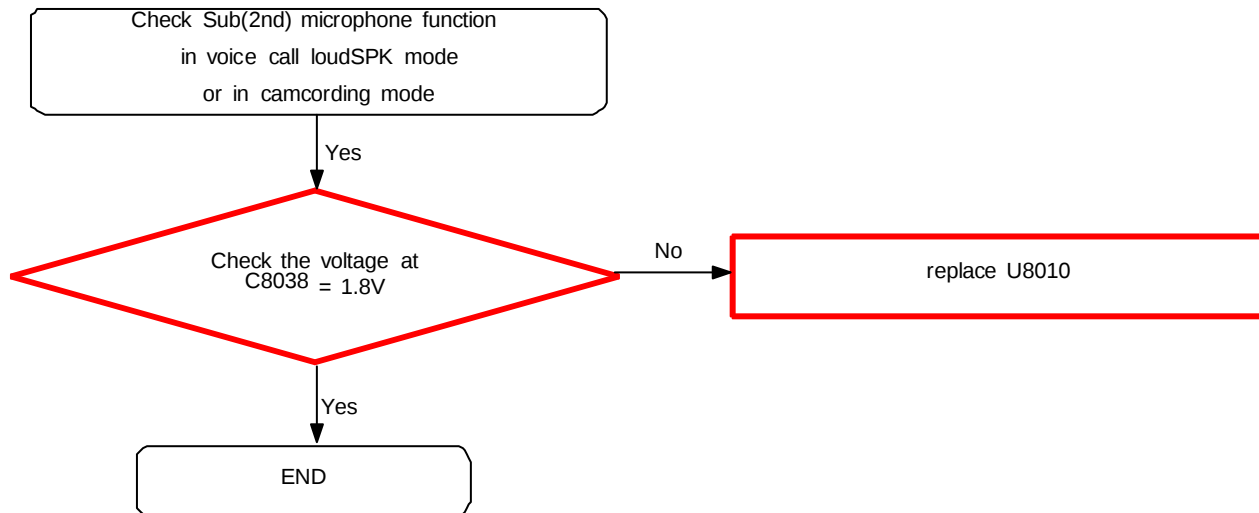
8. Level 3 Repair

8-4-9-1. Microphone Part - Main MIC



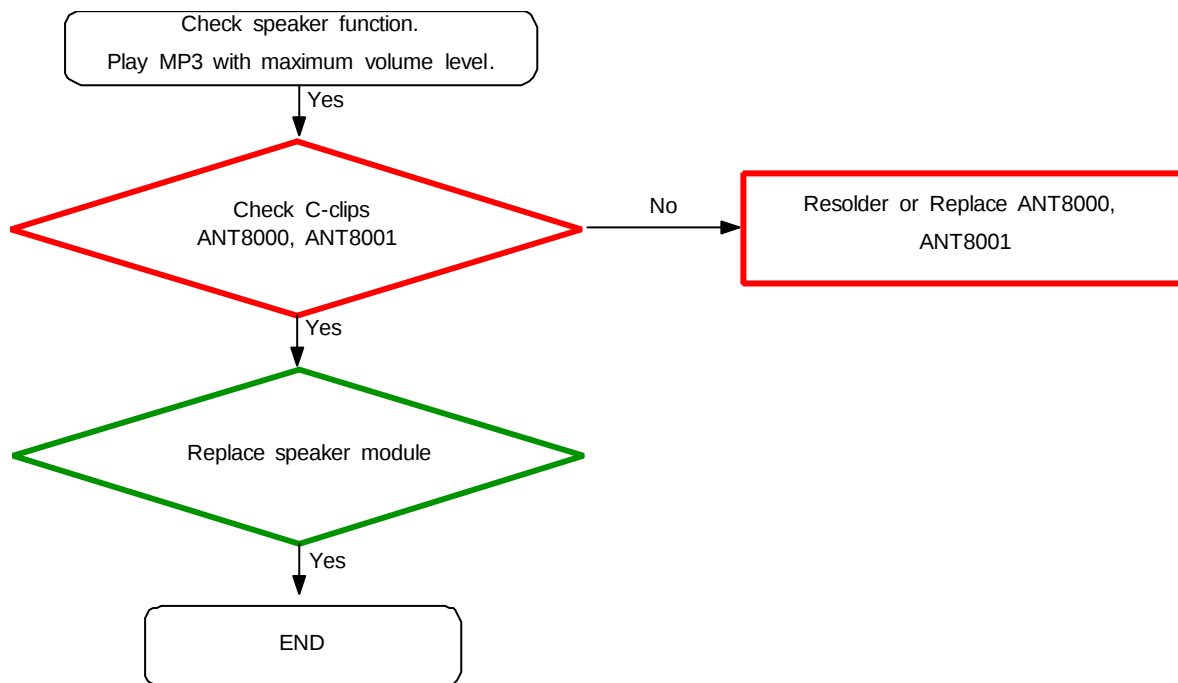
8. Level 3 Repair

8-4-9-2. Microphone Part - Sub(2nd) MIC



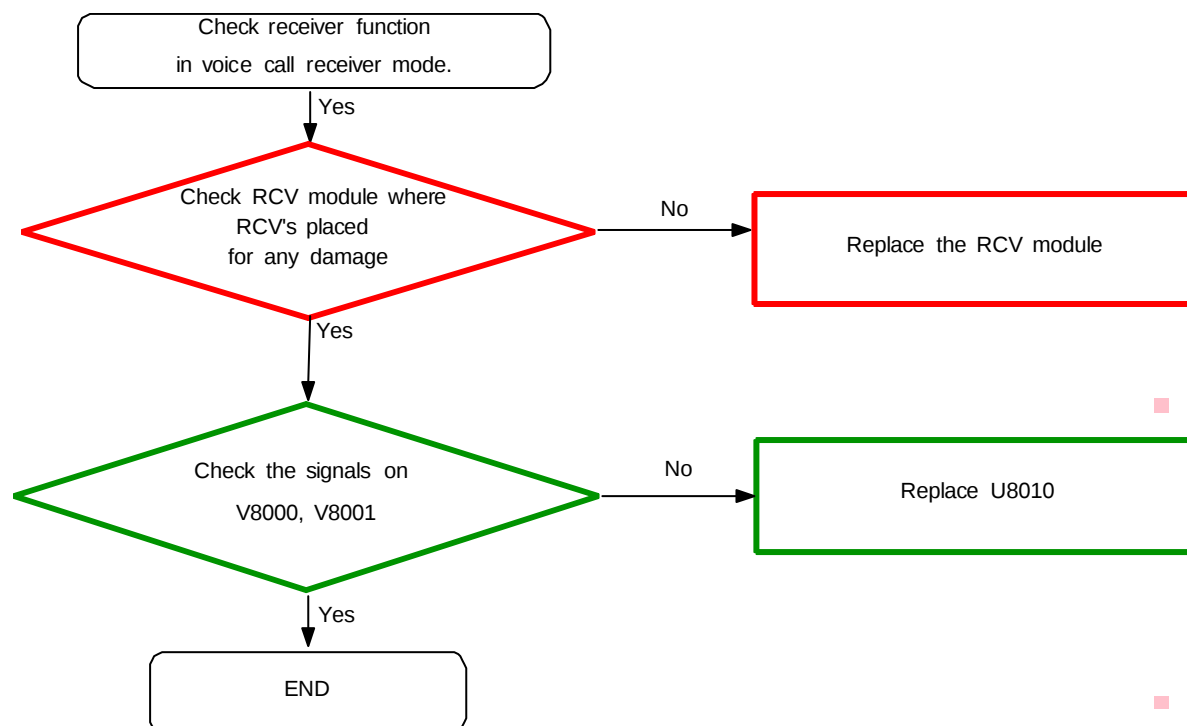
8. Level 3 Repair

8-4-10. Speaker Part



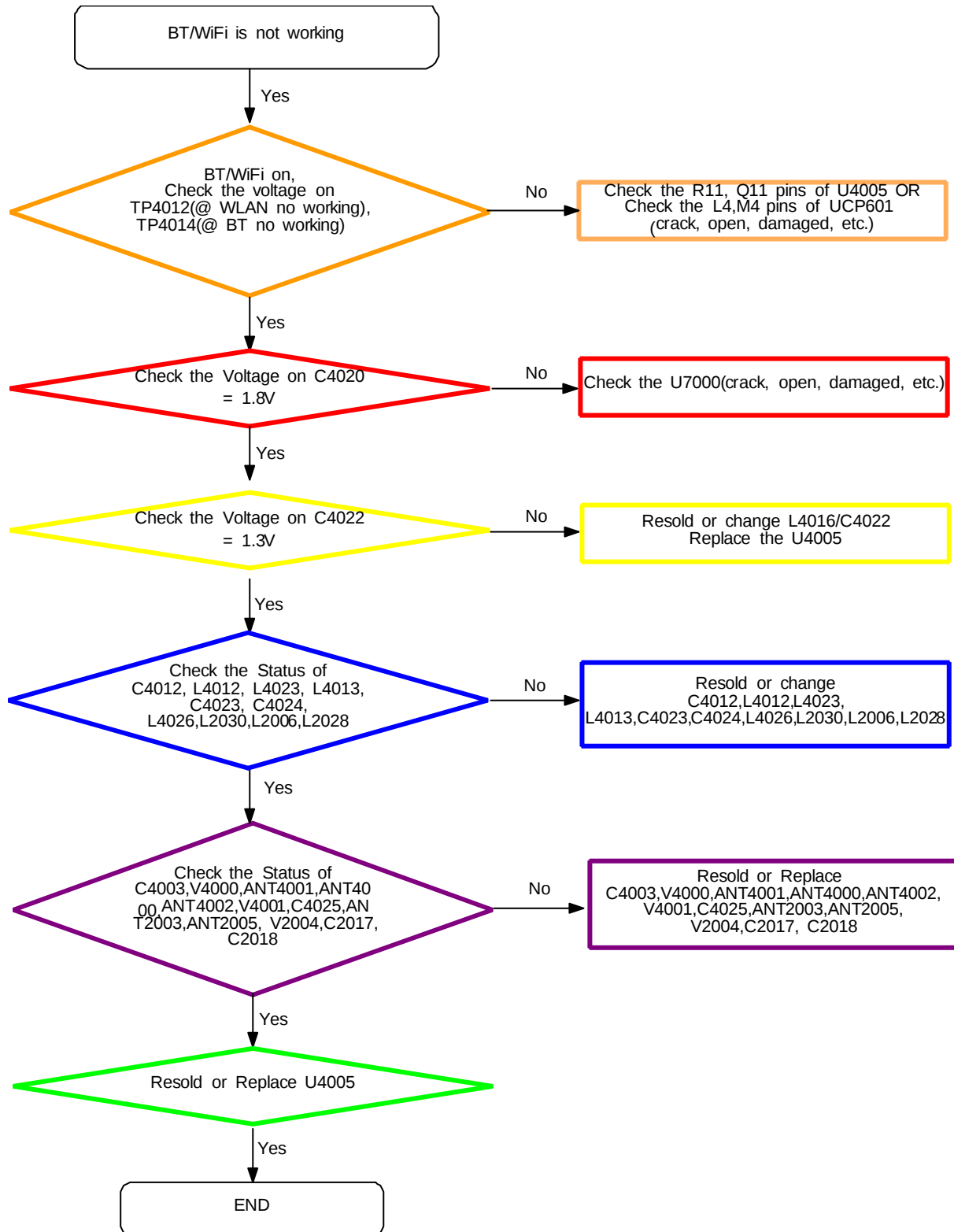
8. Level 3 Repair

8-4-11. Receiver Part



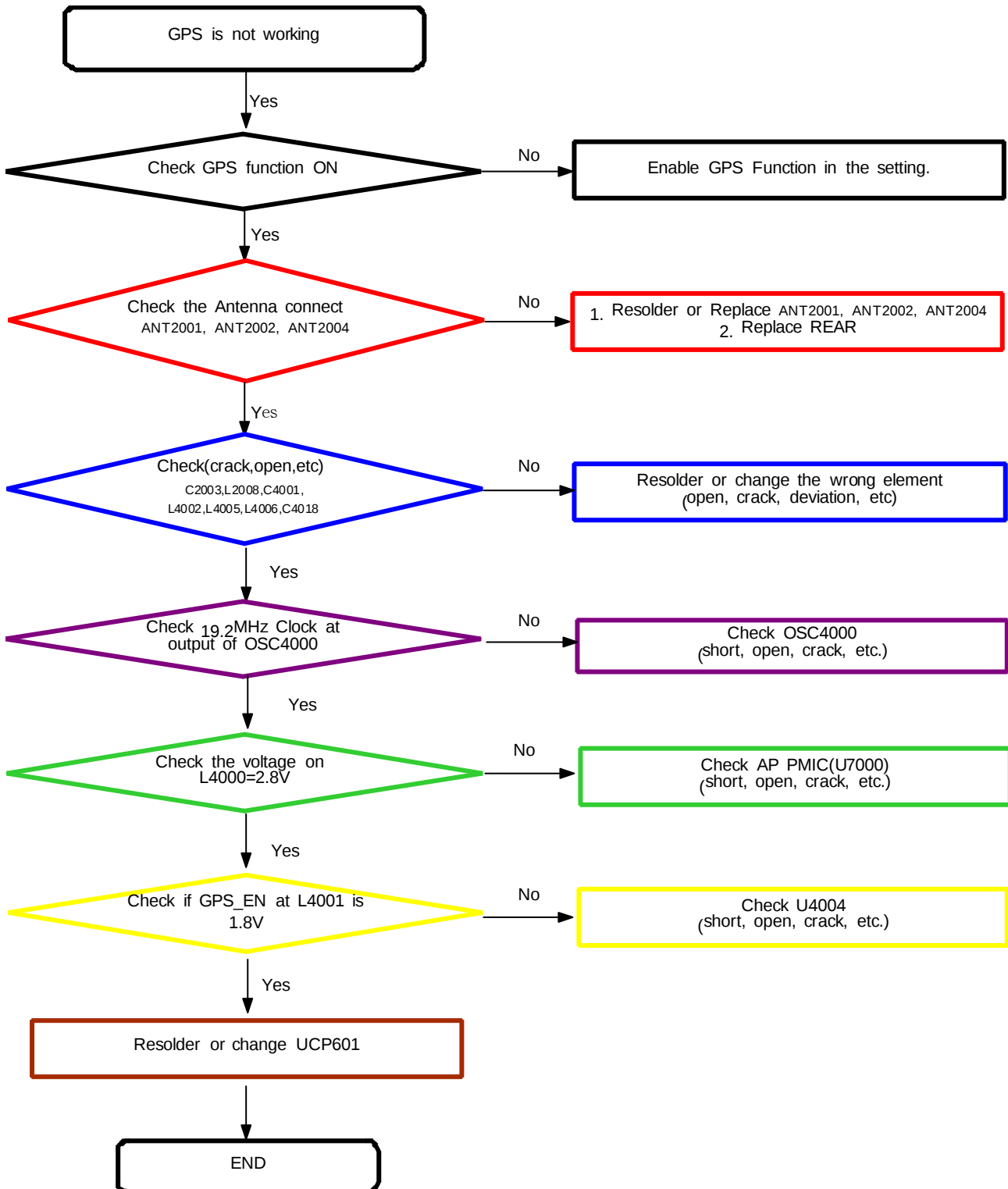
8. Level 3 Repair

8-4-12. BT/WIFI



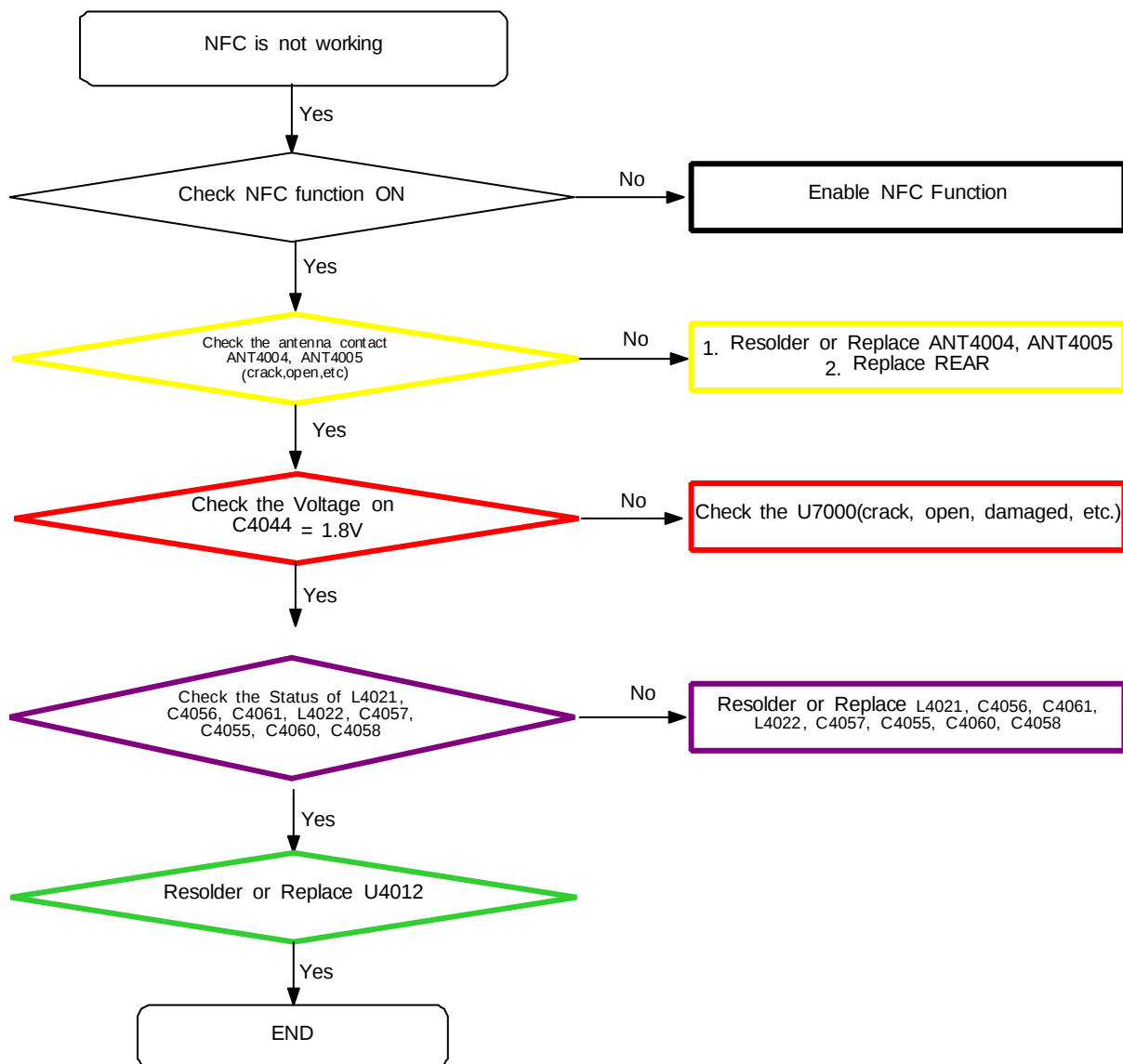
8. Level 3 Repair

8-4-13. GPS



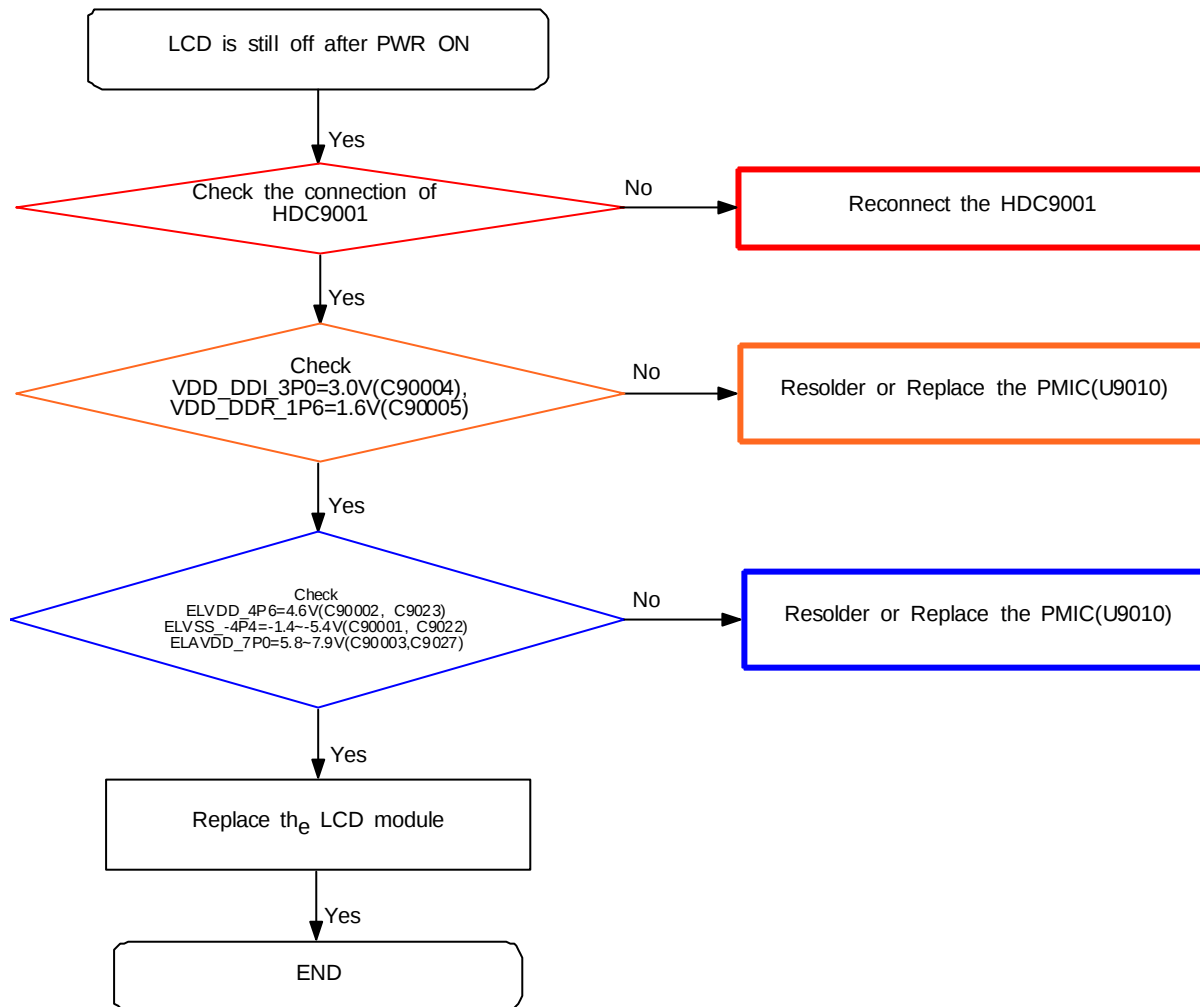
8. Level 3 Repair

8-4-14. NFC



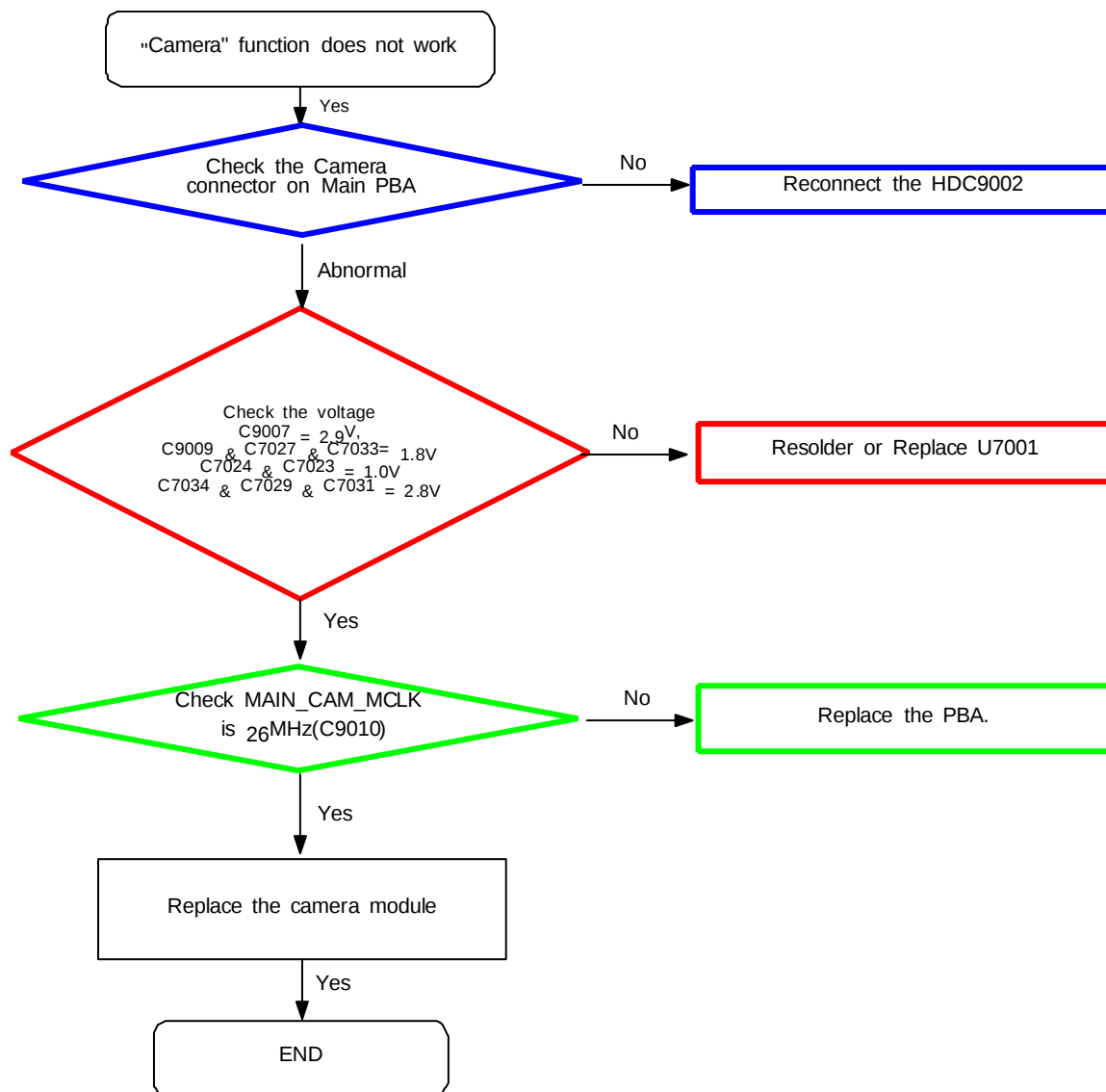
8. Level 3 Repair

8-4-15. Display



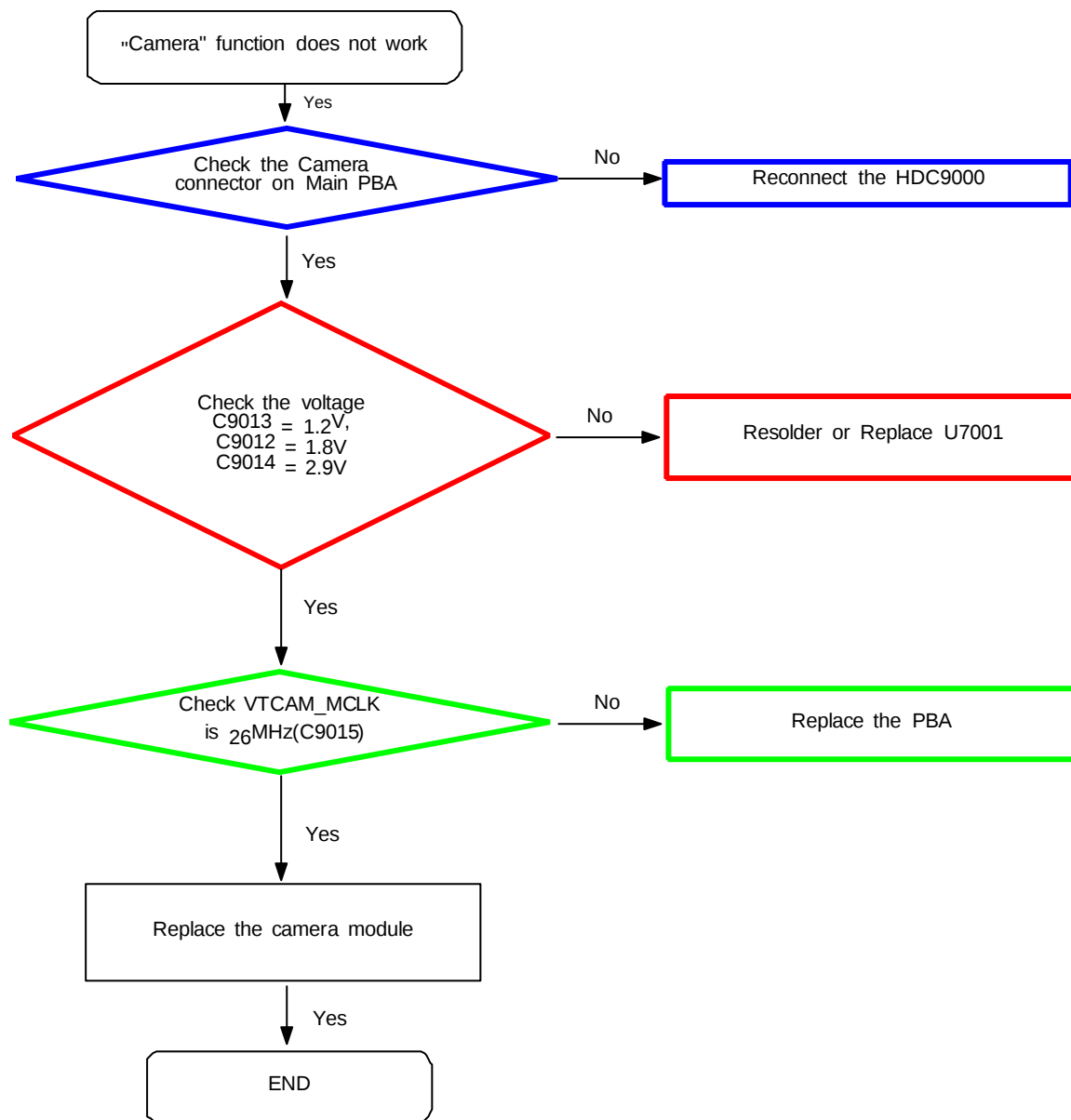
8. Level 3 Repair

8-4-16. 12M CAMERA



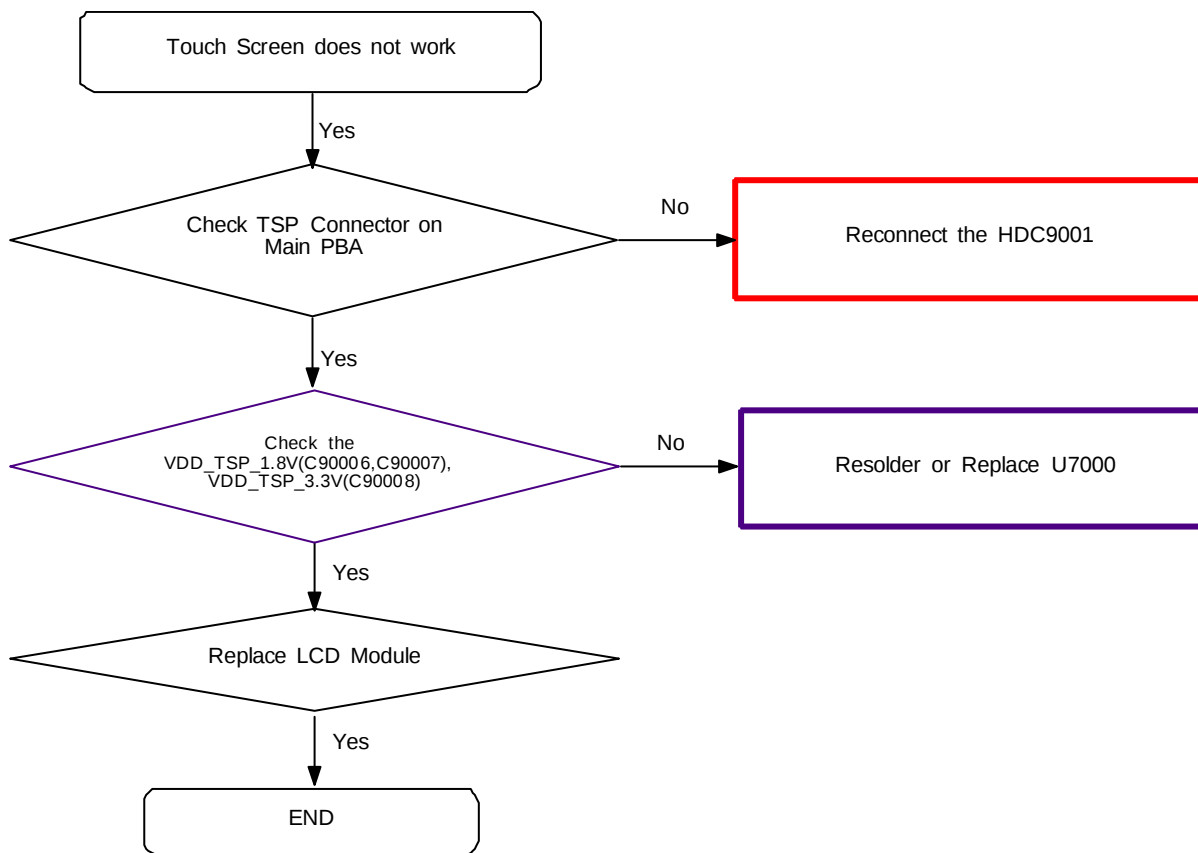
8. Level 3 Repair

8-4-17. 5M CAMERA



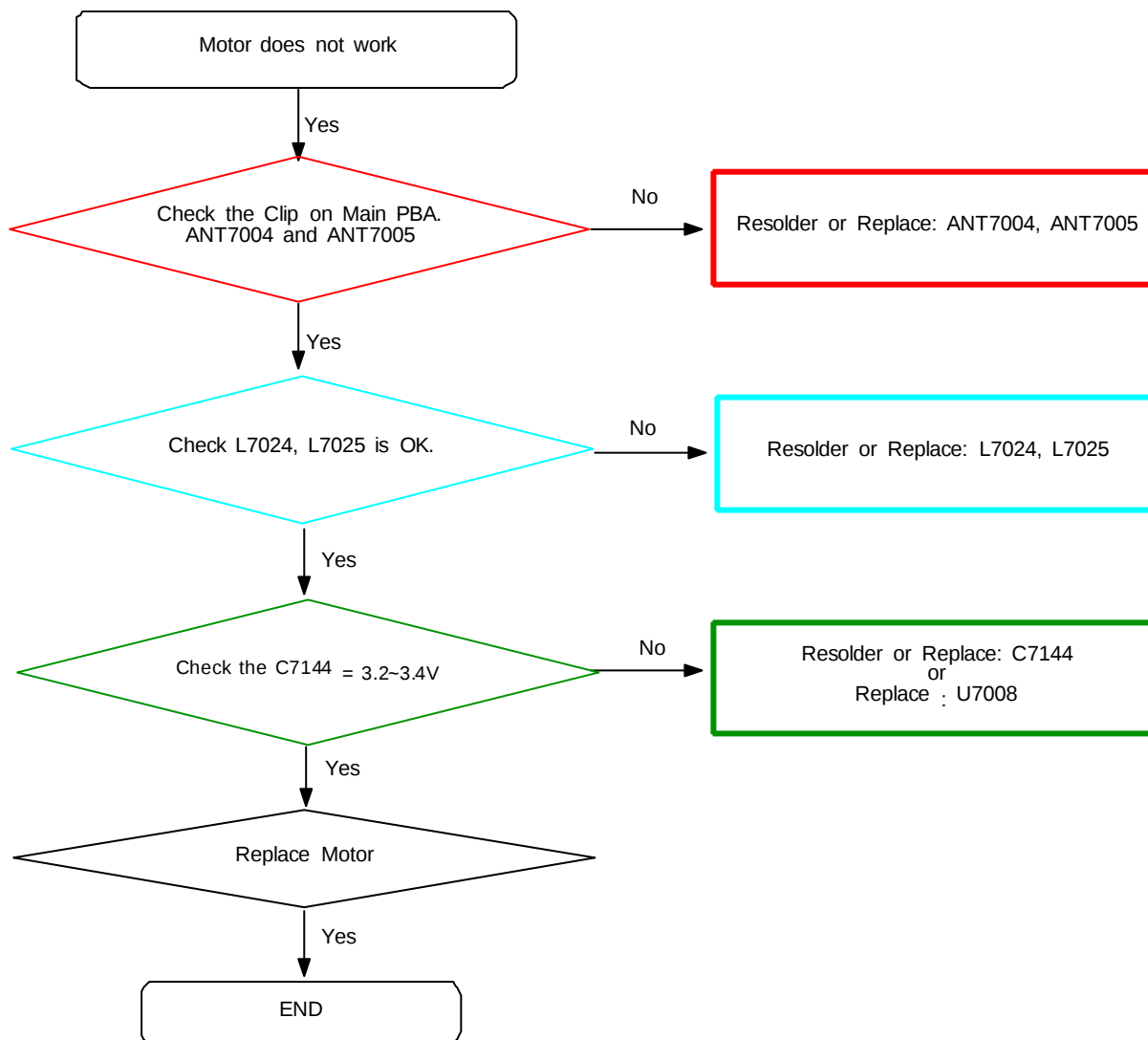
8. Level 3 Repair

8-4-18. TSP



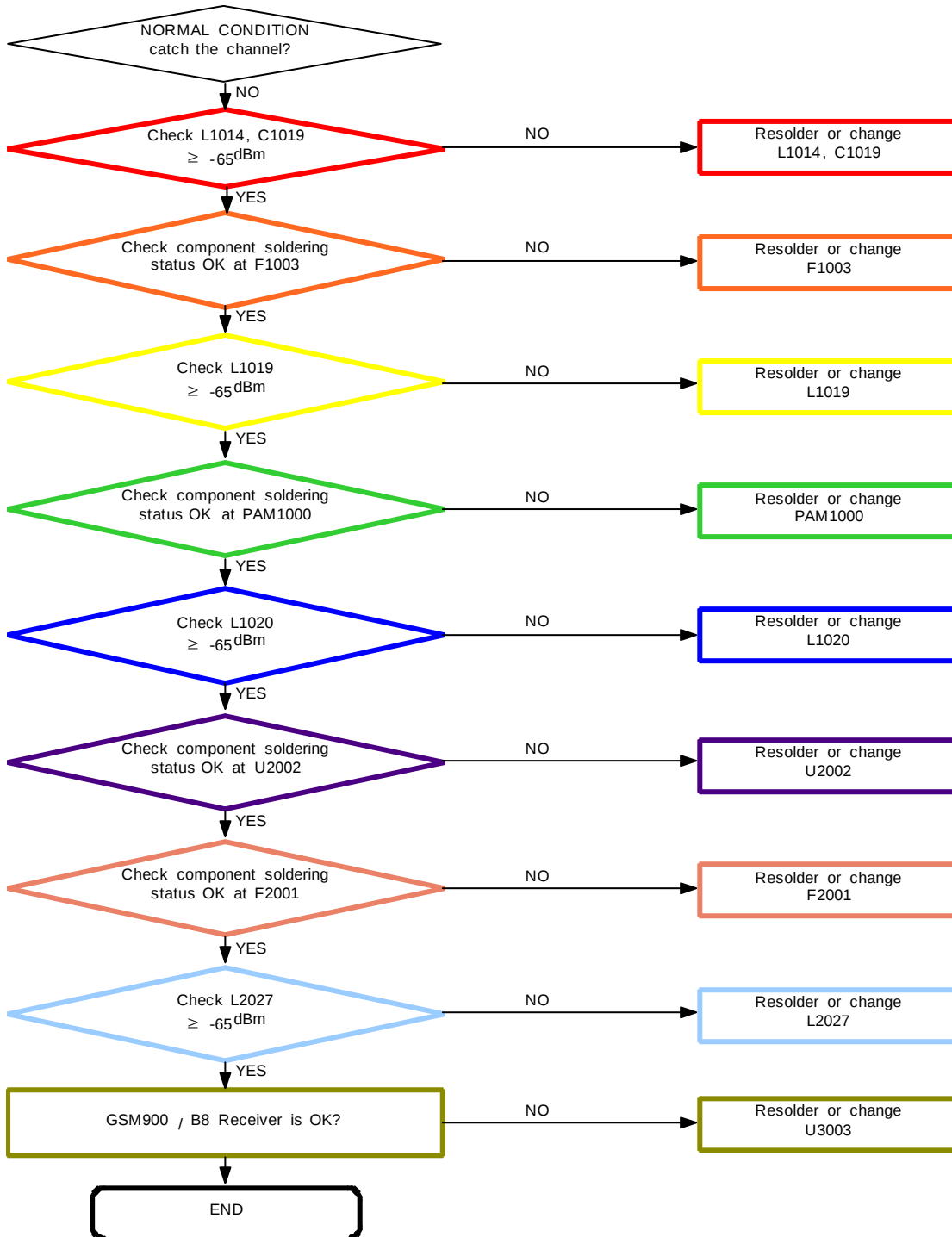
8. Level 3 Repair

8-4-19. Motor



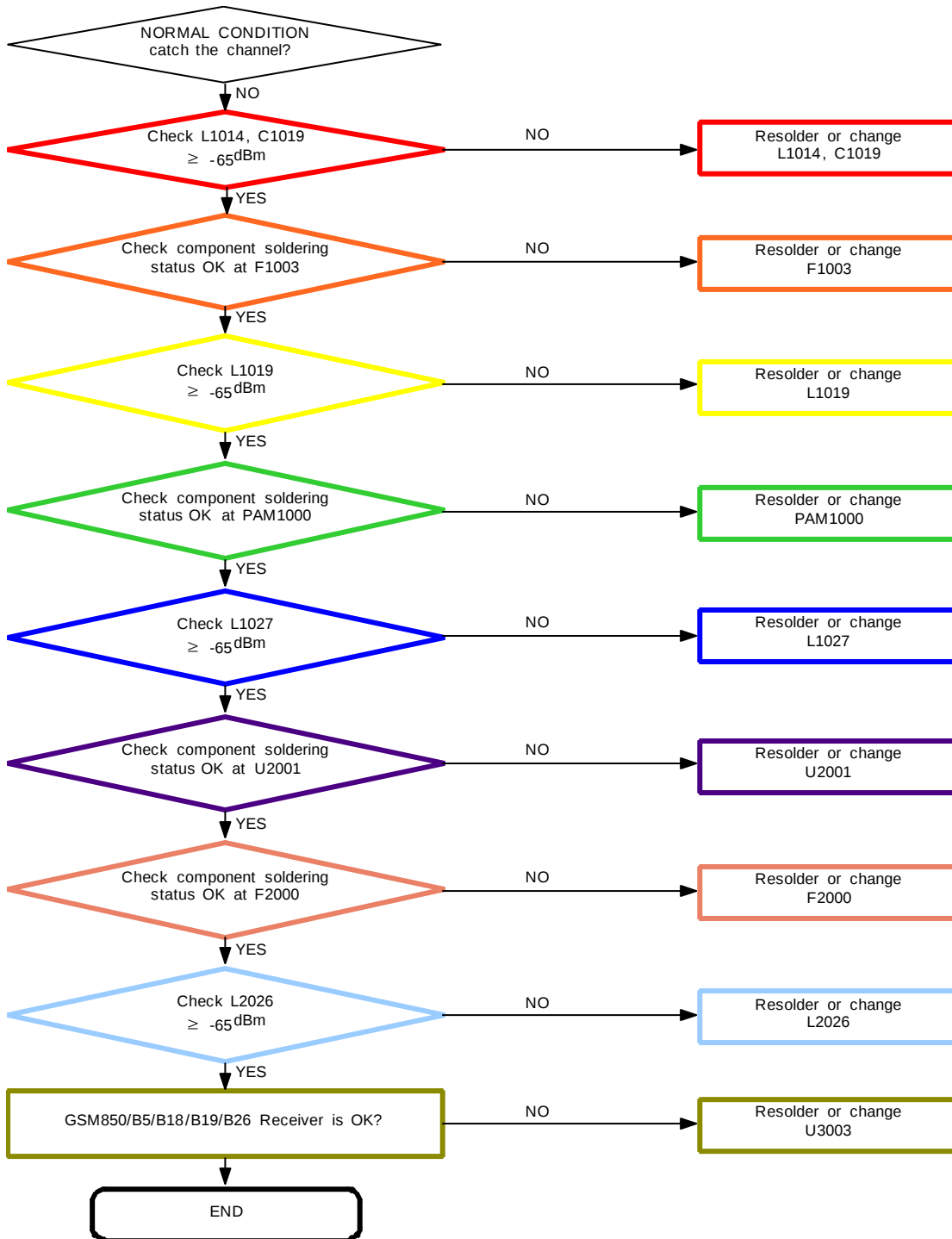
8. Level 3 Repair

8-4-20. GSM900 / LTE B8 RX



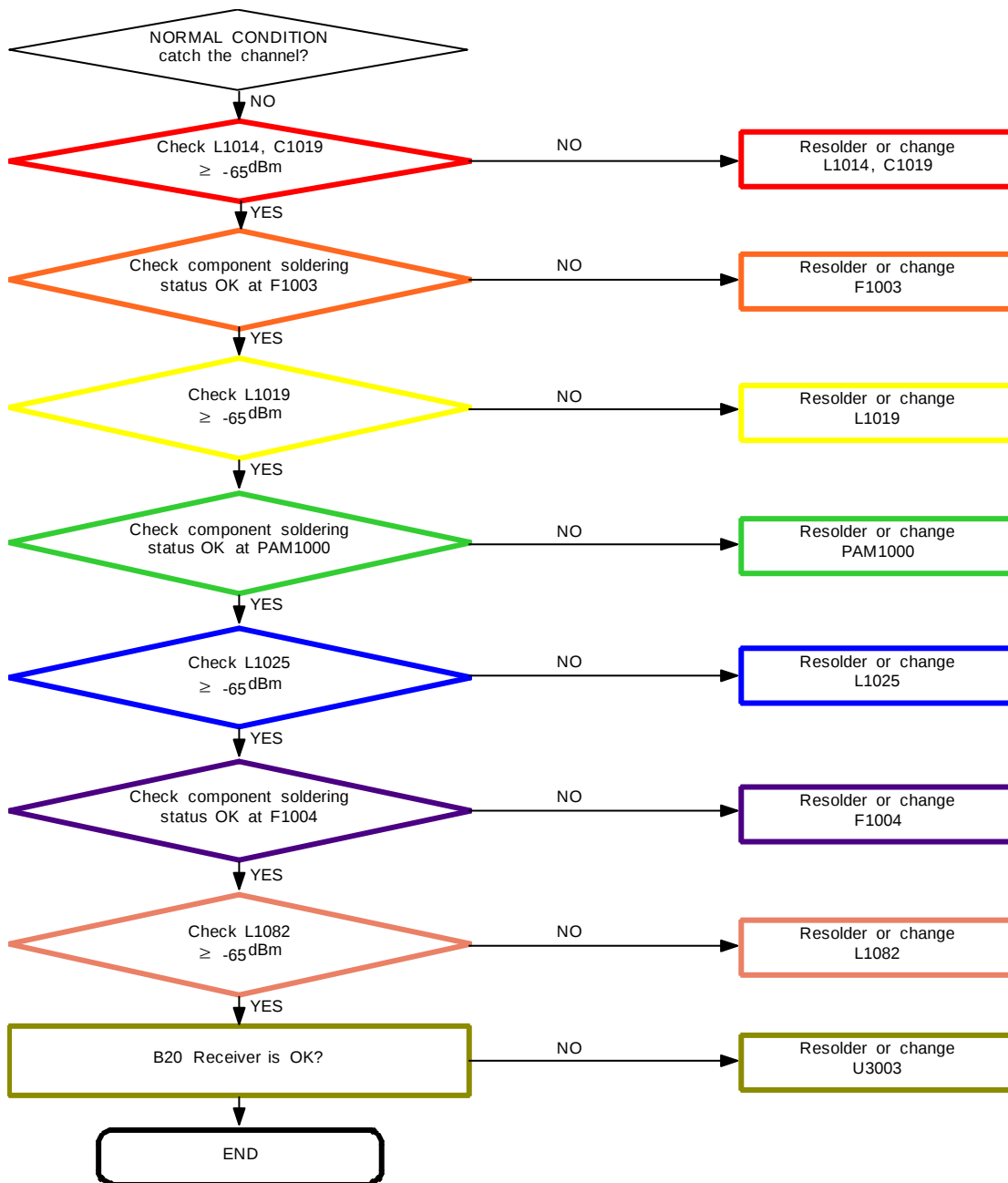
8. Level 3 Repair

8-4-21. GSM850 / LTE B5/18/19/26 RX



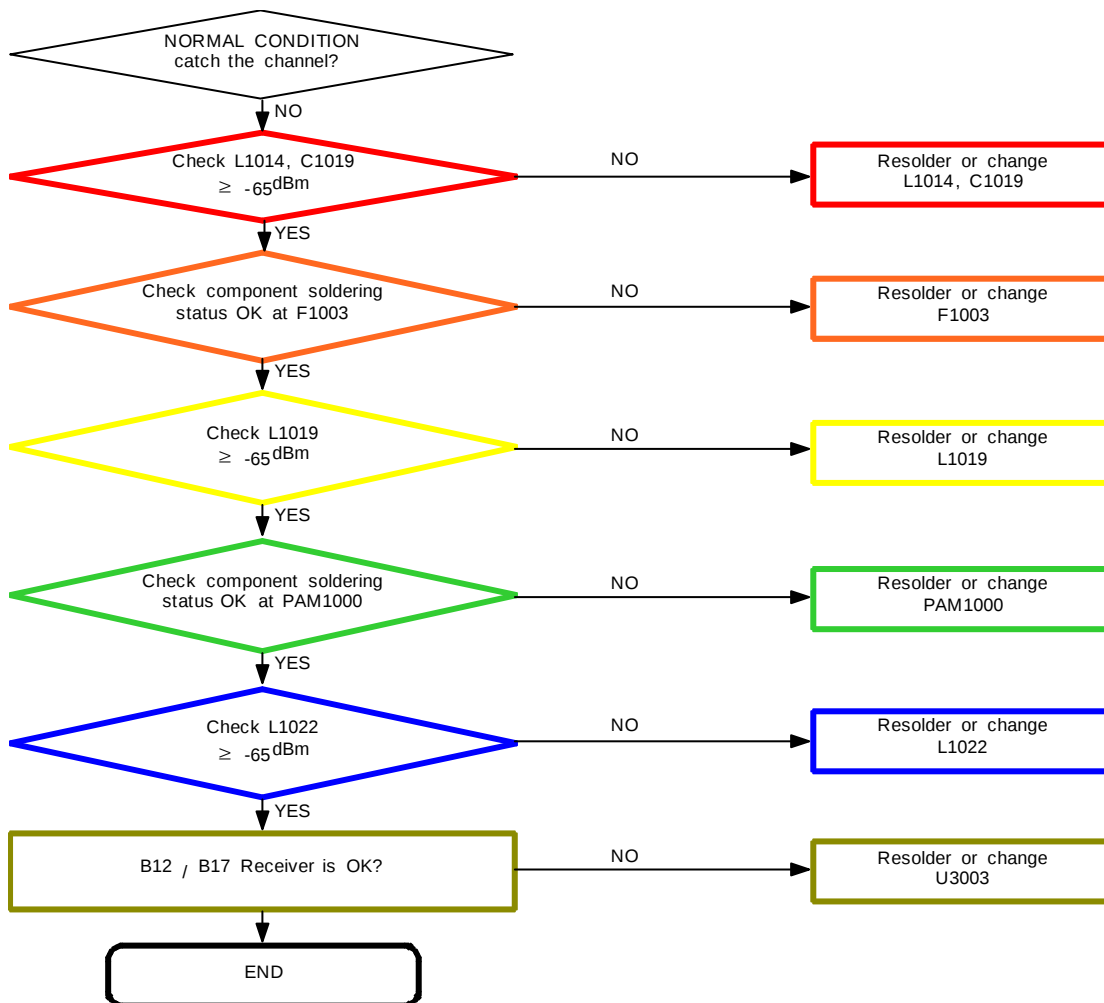
8. Level 3 Repair

8-4-22. LTE B20 RX



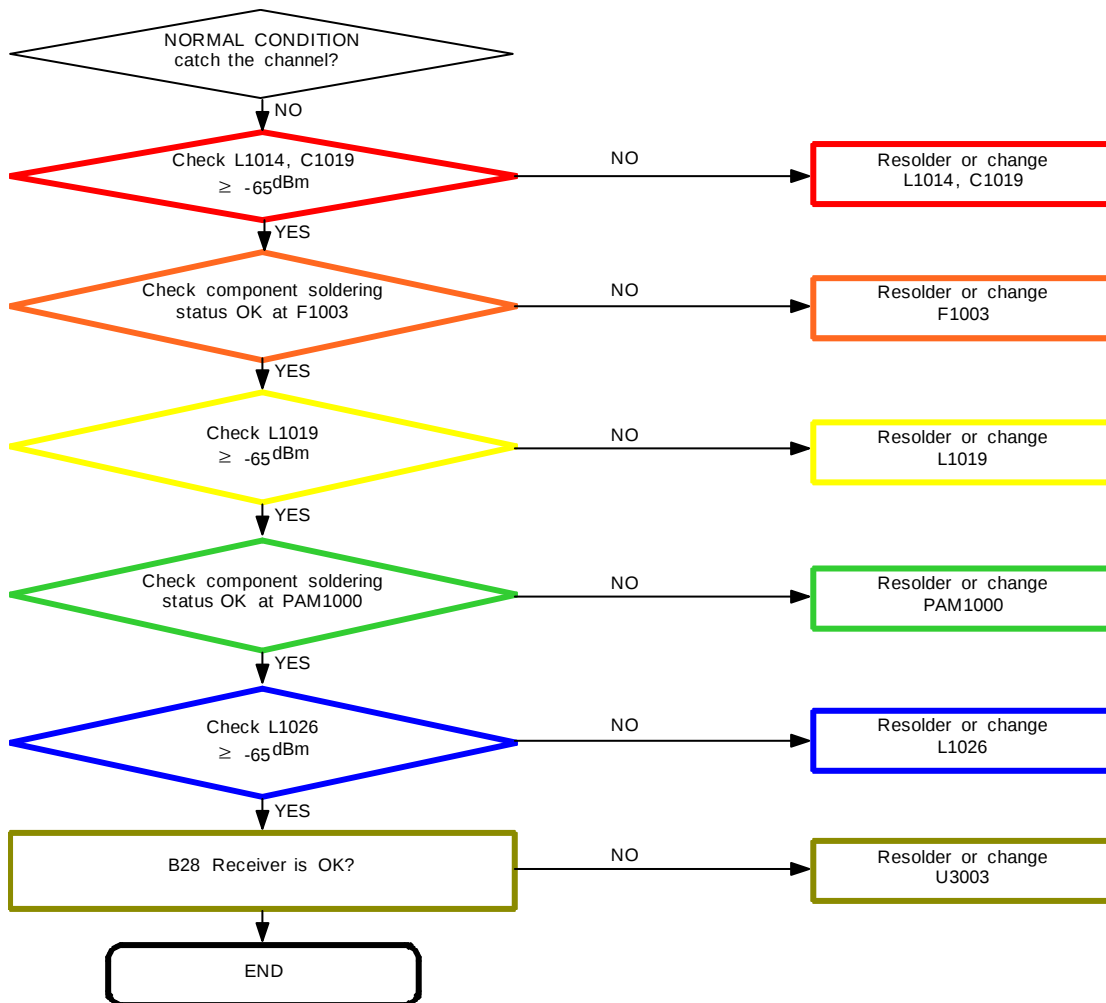
8. Level 3 Repair

8-4-23. LTE B12 / LTE B17 RX



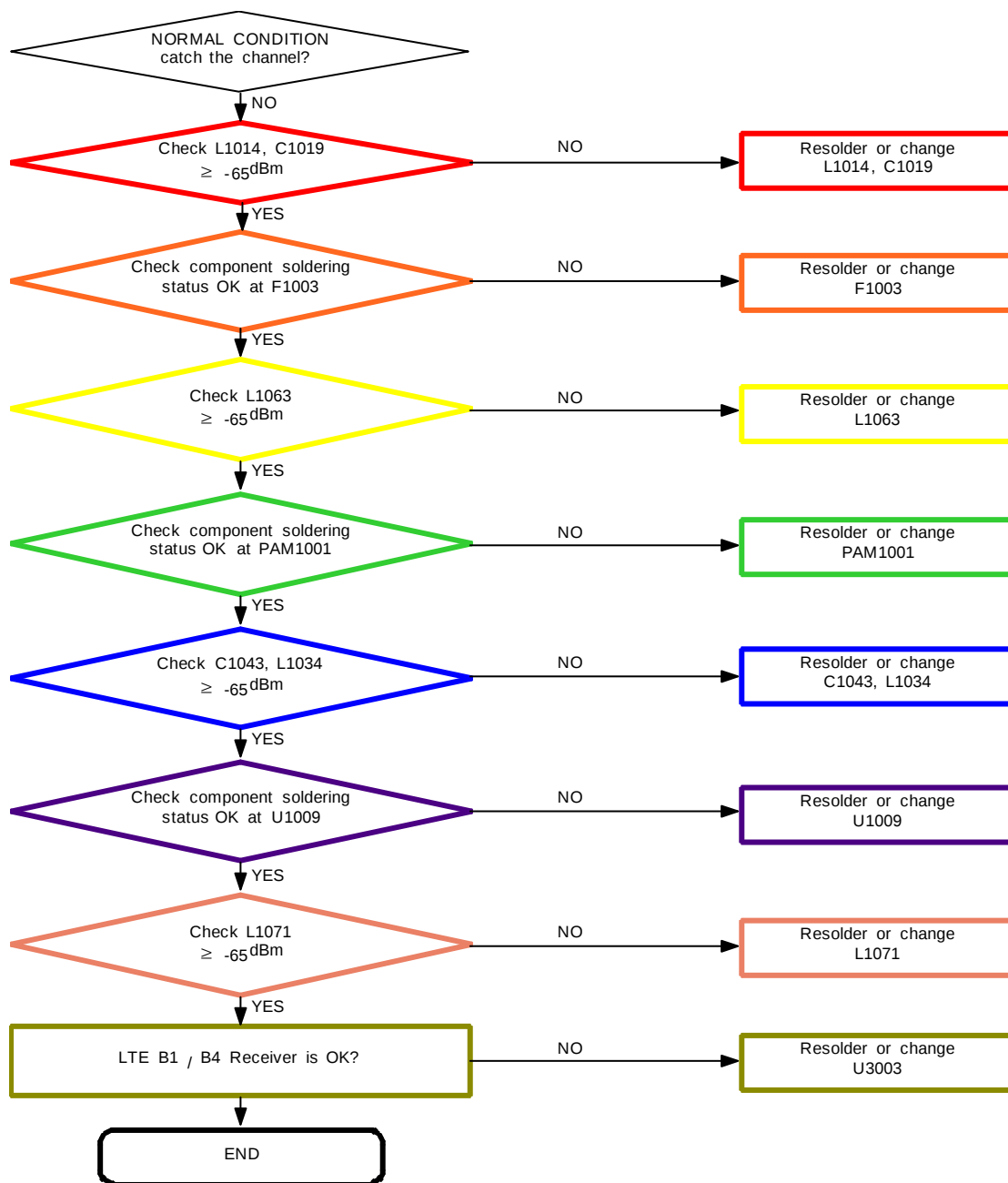
8. Level 3 Repair

8-4-24. LTE B28 RX



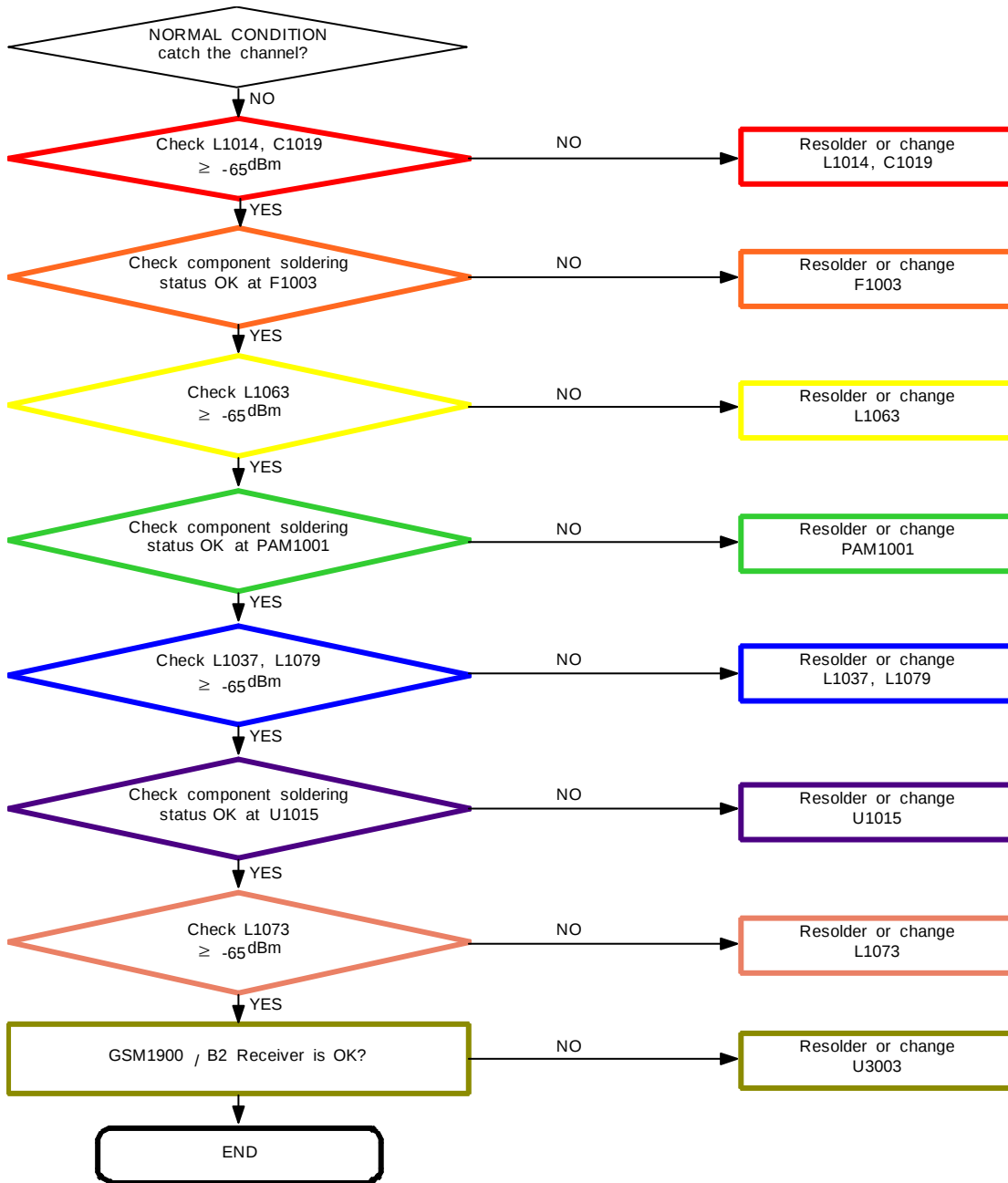
8. Level 3 Repair

8-4-25. LTE B1 / B4 RX



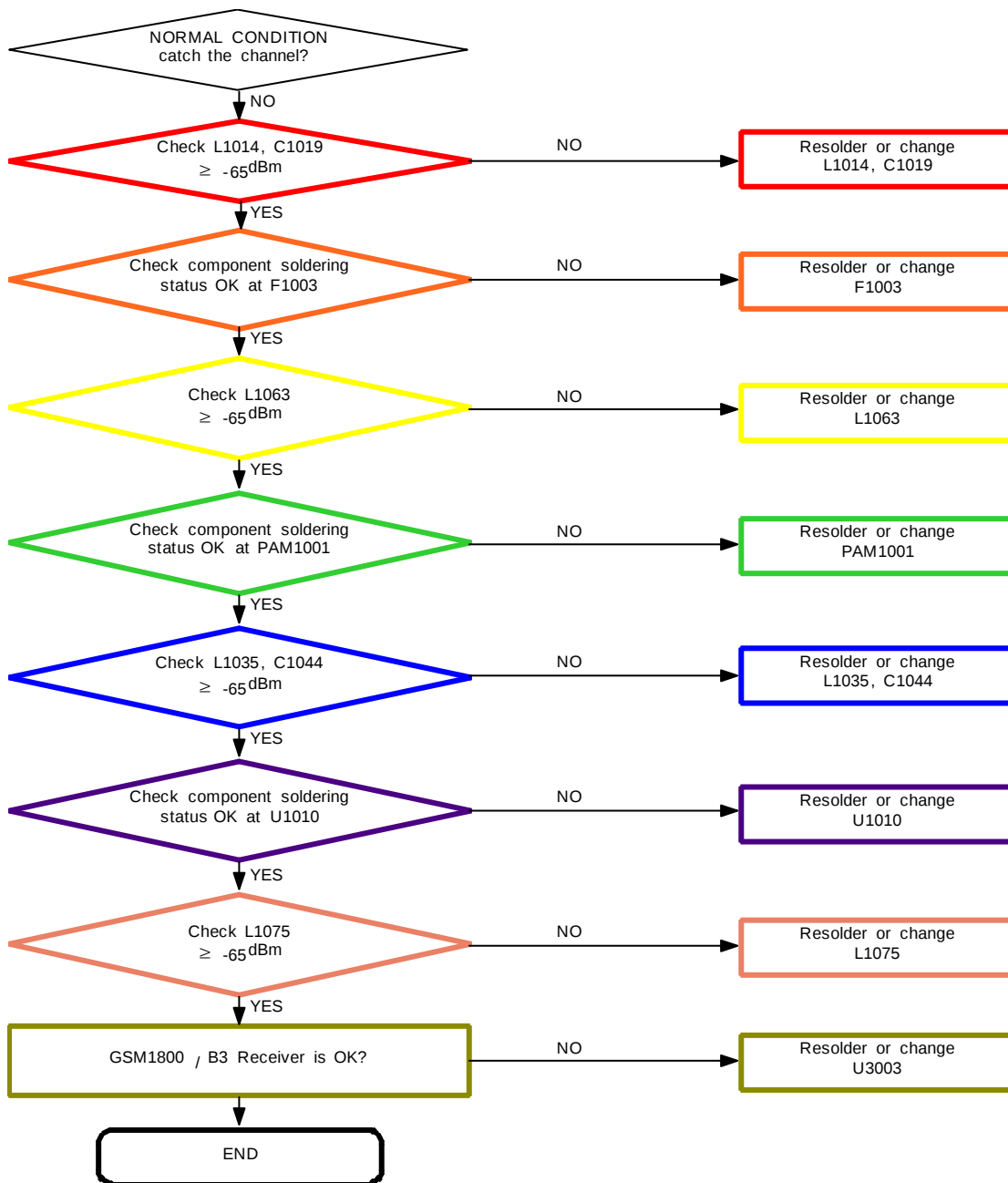
8. Level 3 Repair

8-4-26. GSM1900 / LTE B2 RX



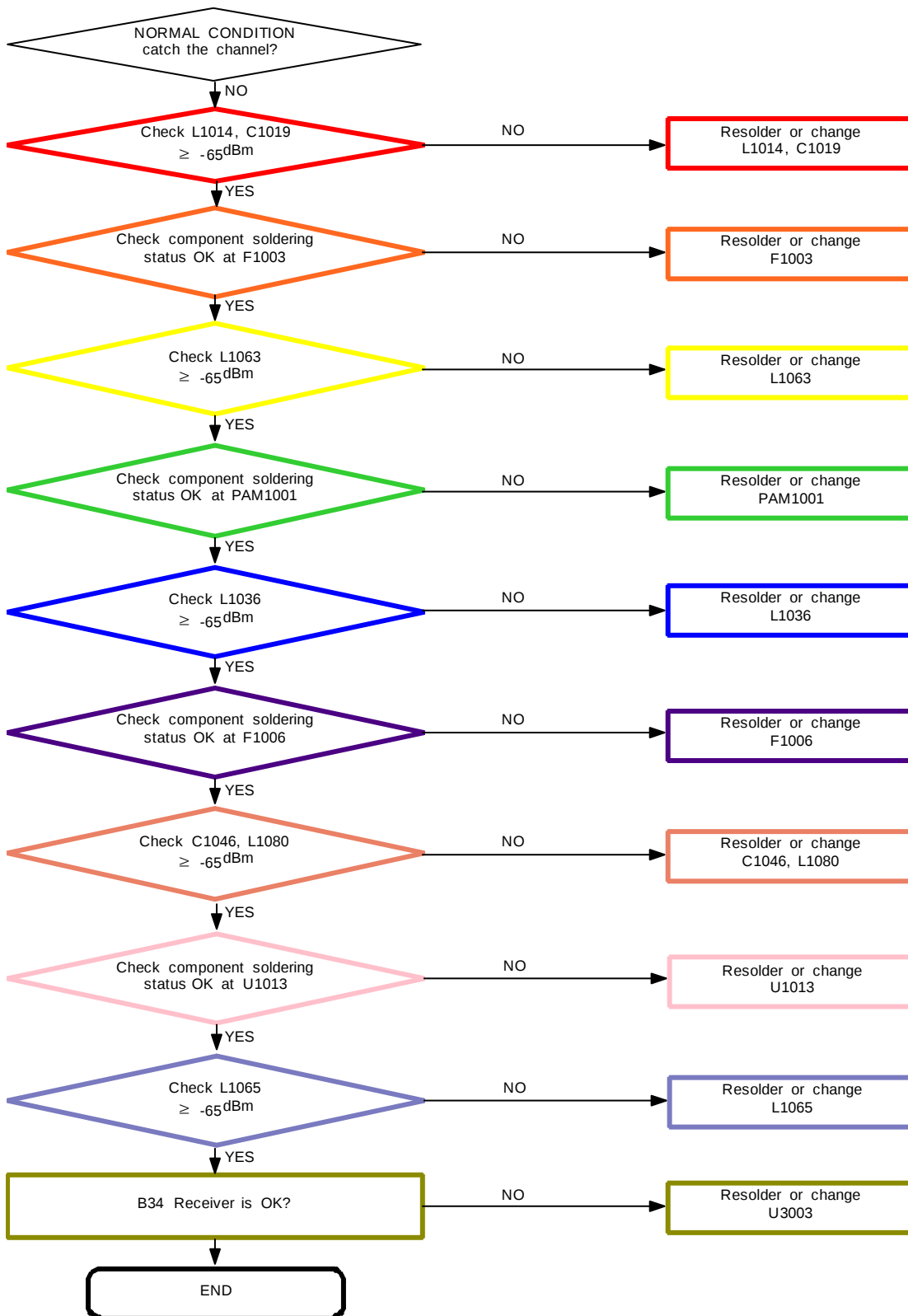
8. Level 3 Repair

8-4-27. GSM1800 / LTE B3 RX



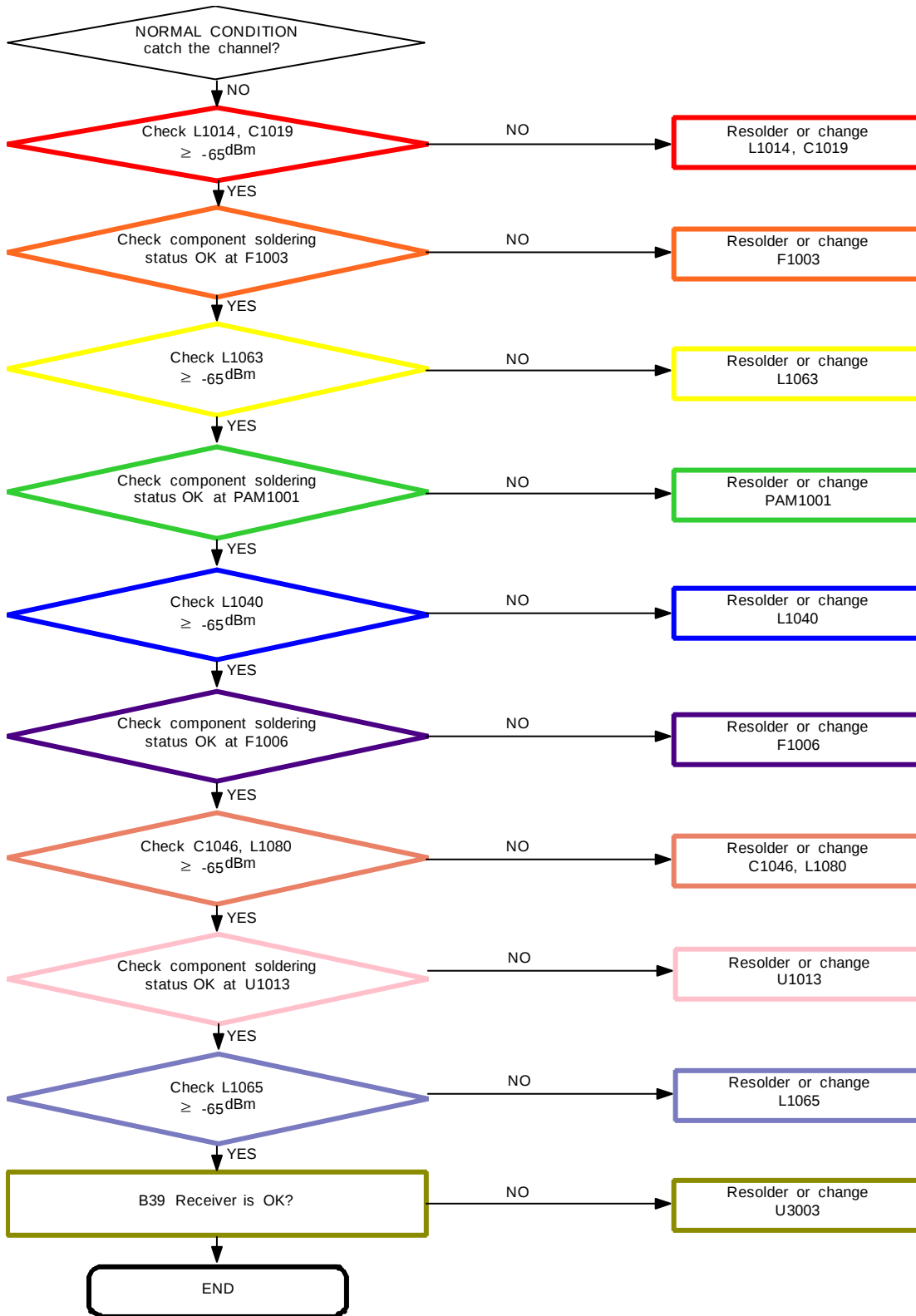
8. Level 3 Repair

8-4-28. LTE B34 RX



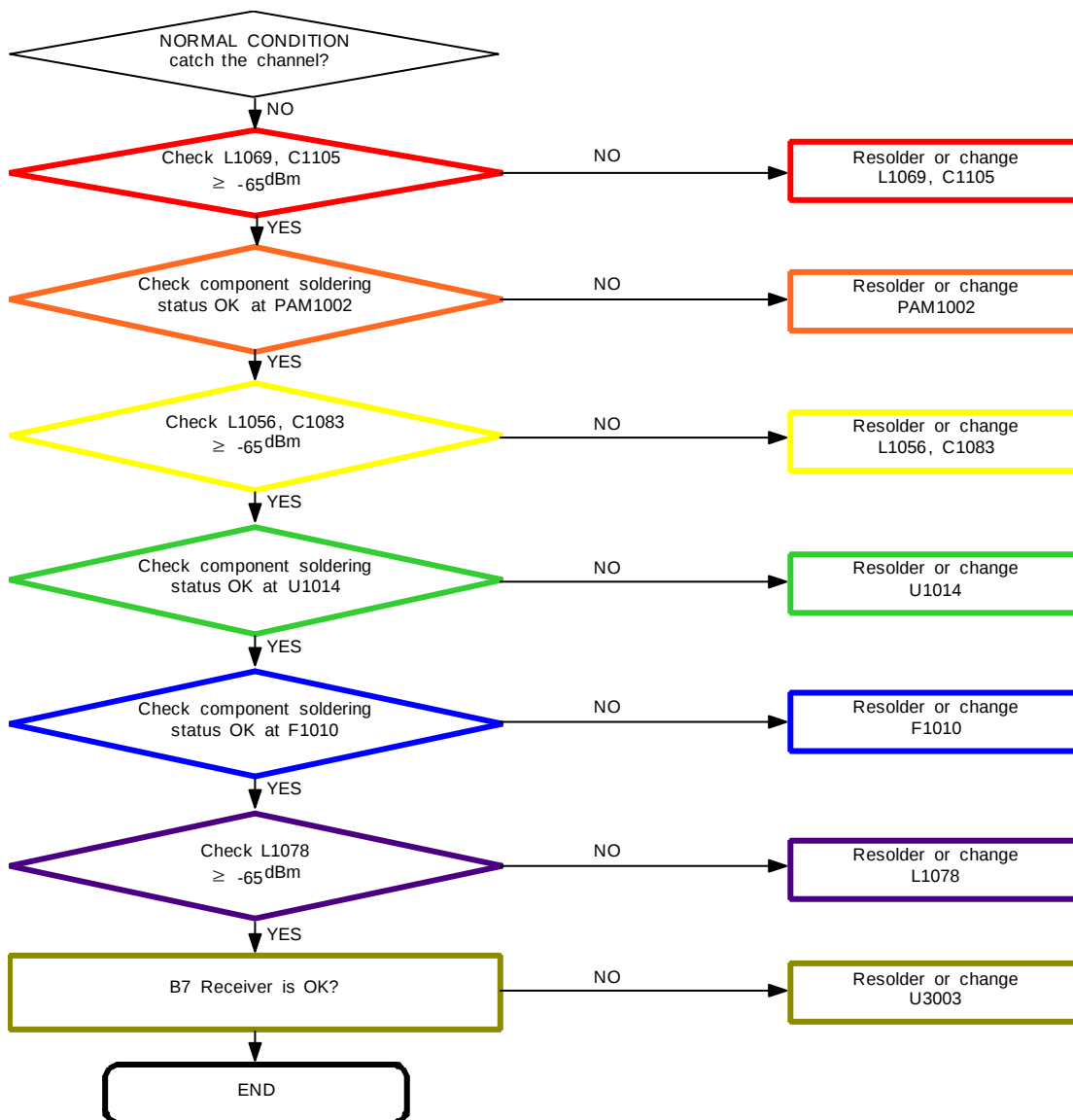
8. Level 3 Repair

8-4-29. LTE B39 RX



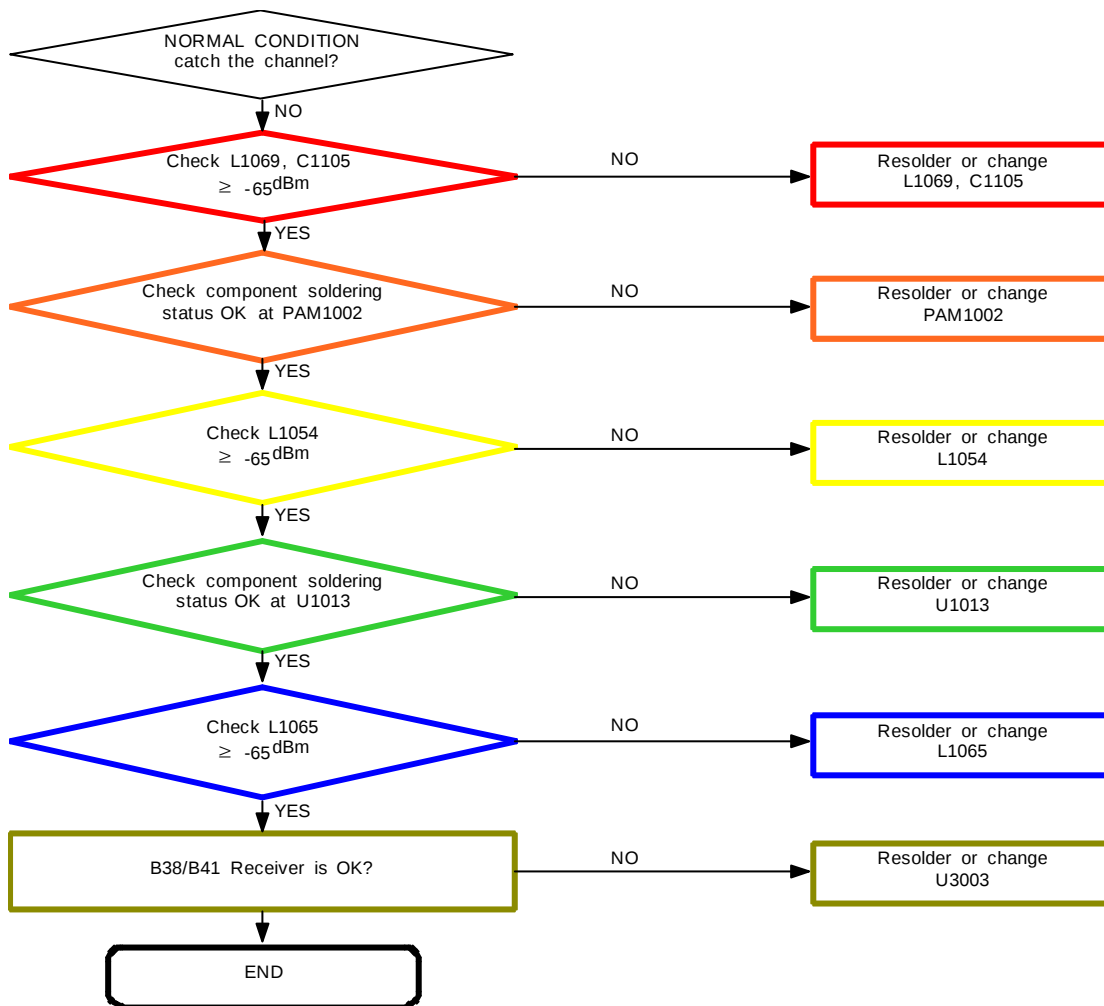
8. Level 3 Repair

8-4-30. LTE B7 RX



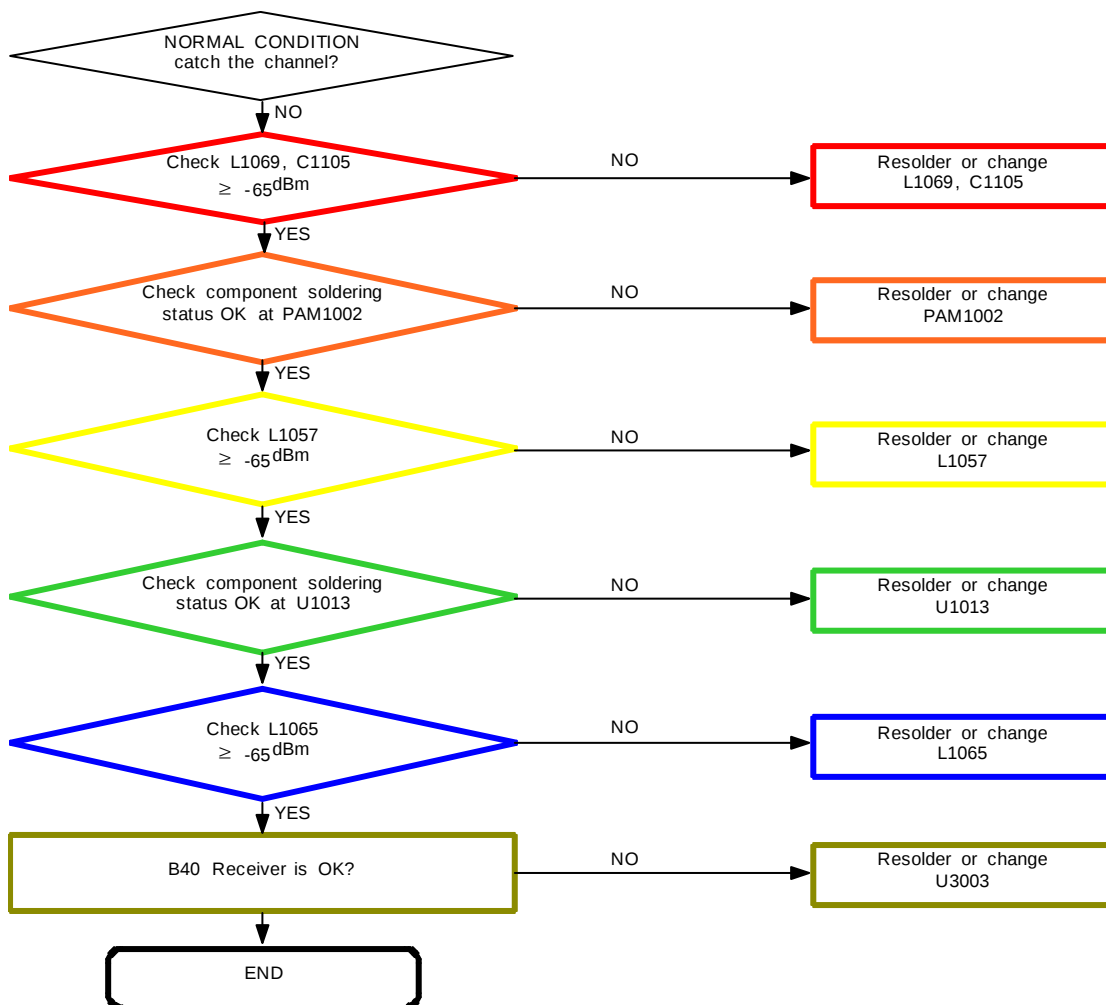
8. Level 3 Repair

8-4-31. LTE B38/B41 RX



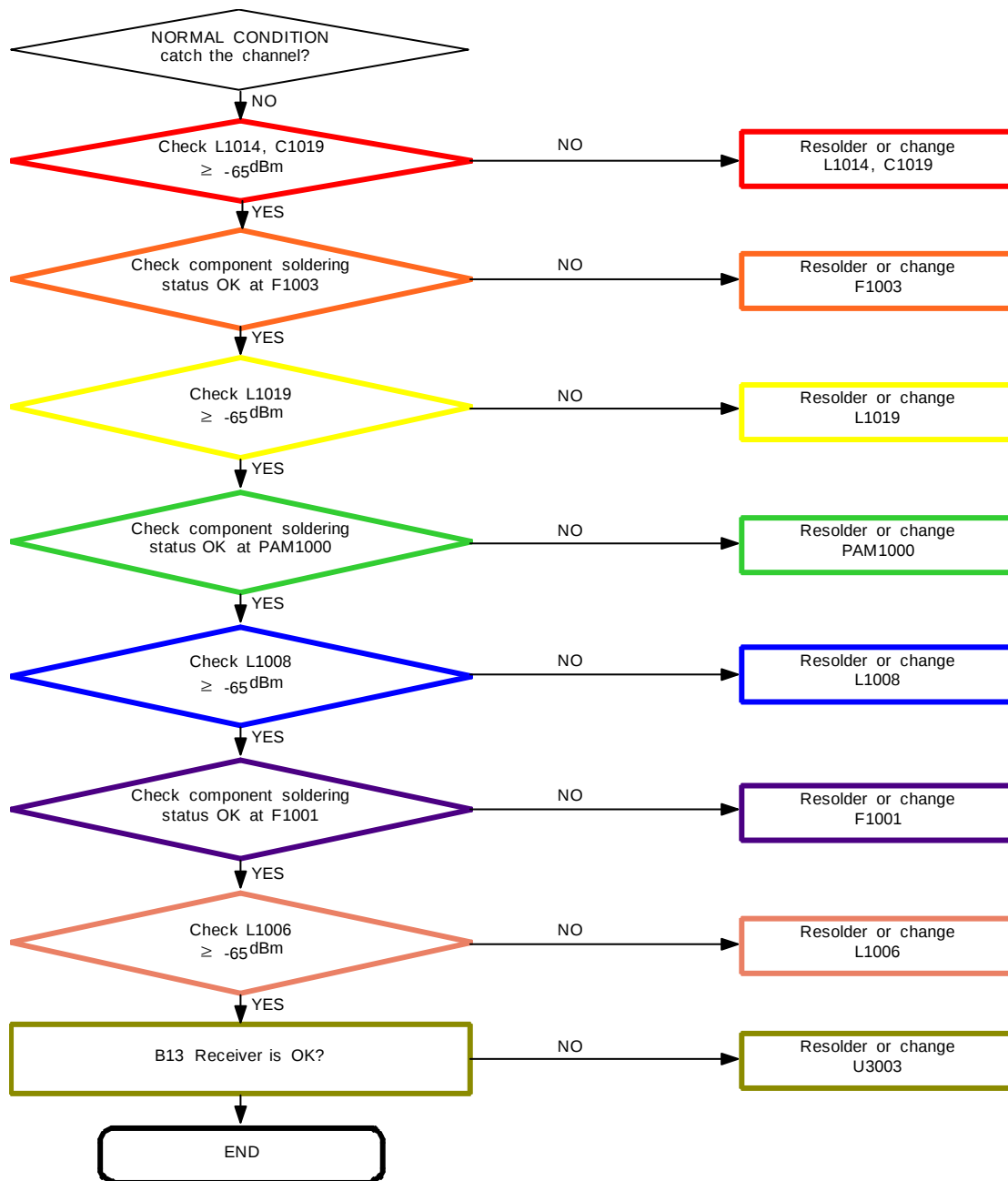
8. Level 3 Repair

8-4-32. LTE B40 RX



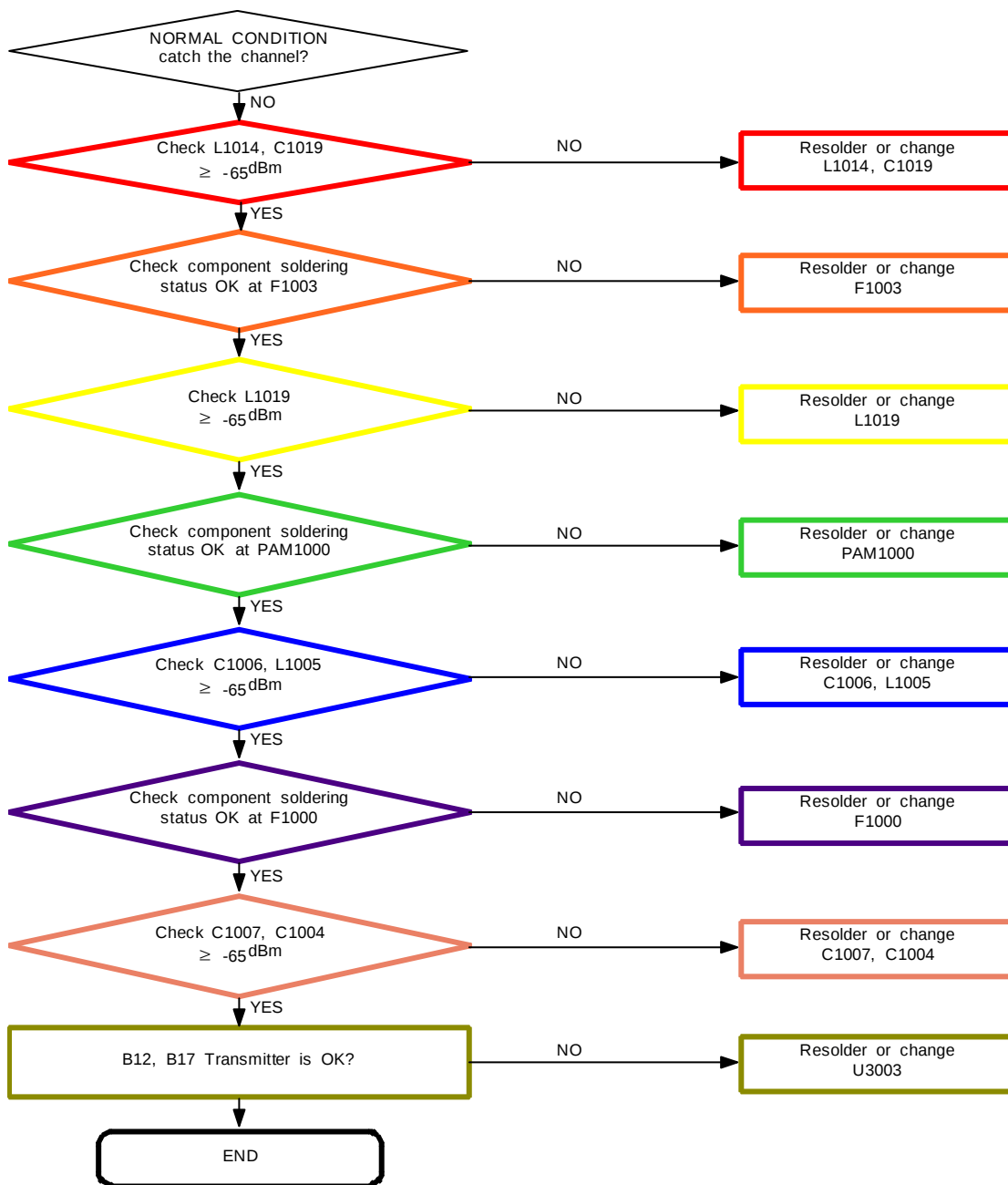
8. Level 3 Repair

8-4-33. LTE B13 RX



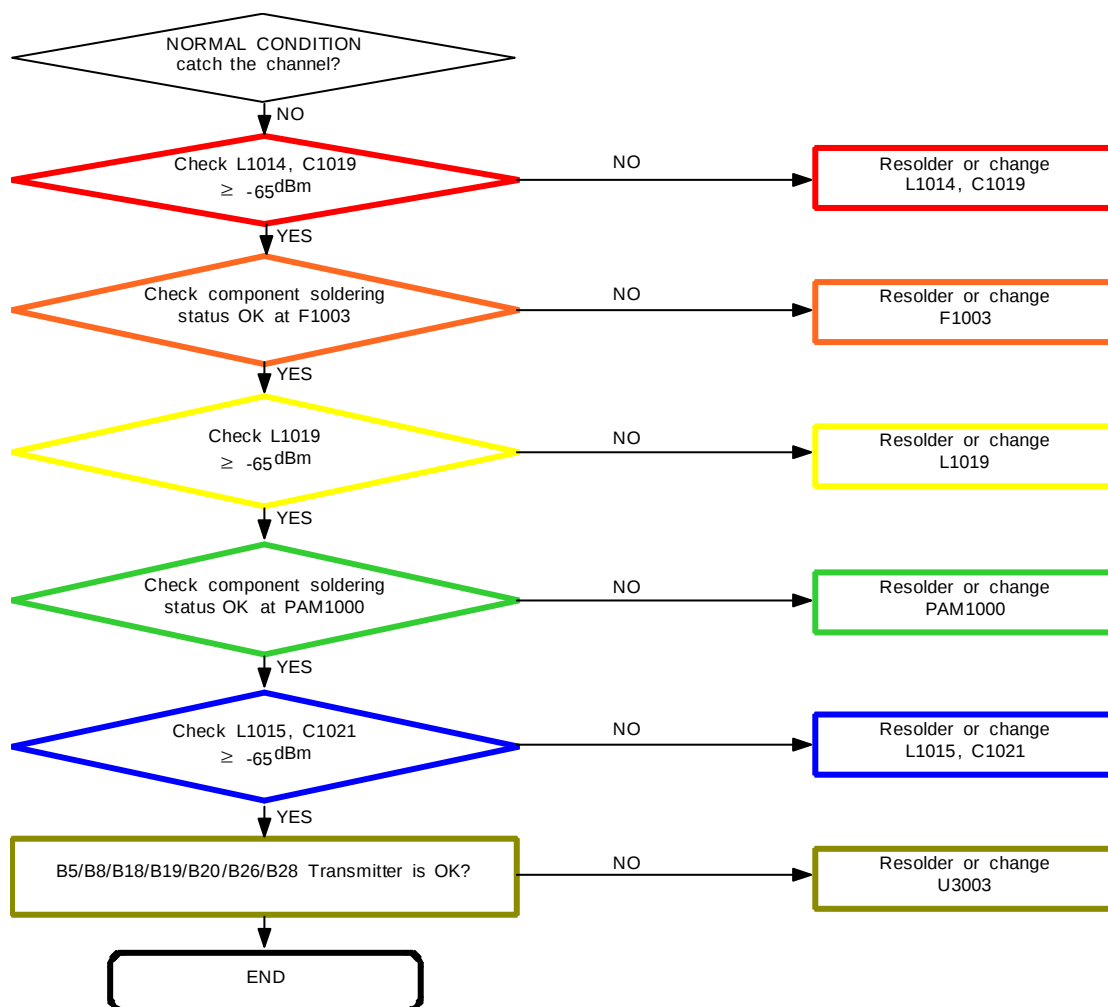
8. Level 3 Repair

8-4-34. LTE B12 / LTE B17 TX



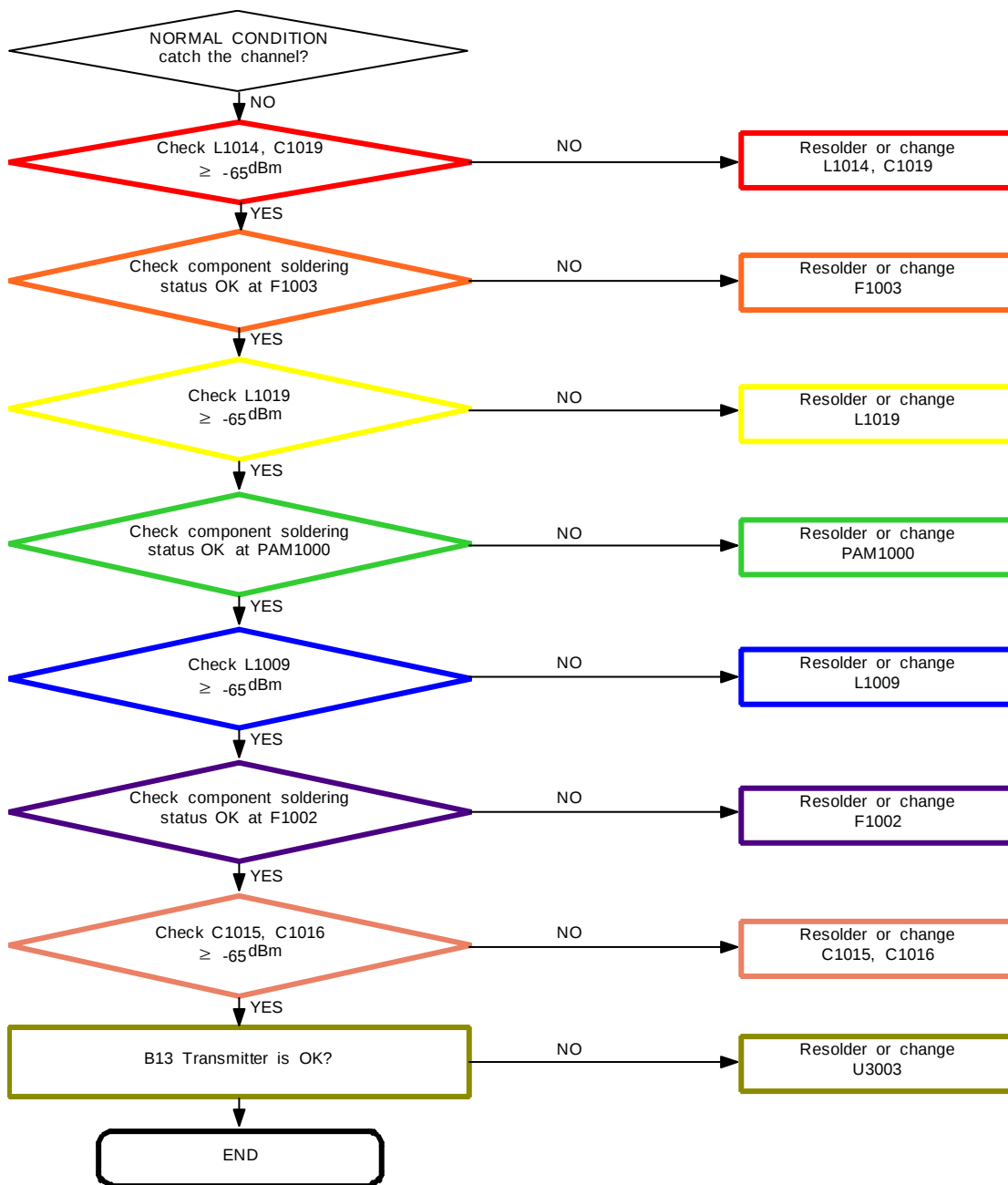
8. Level 3 Repair

8-4-35. WCDMA 5 / LTE B5/B8/B18/B19/B20/B26/B28 TX



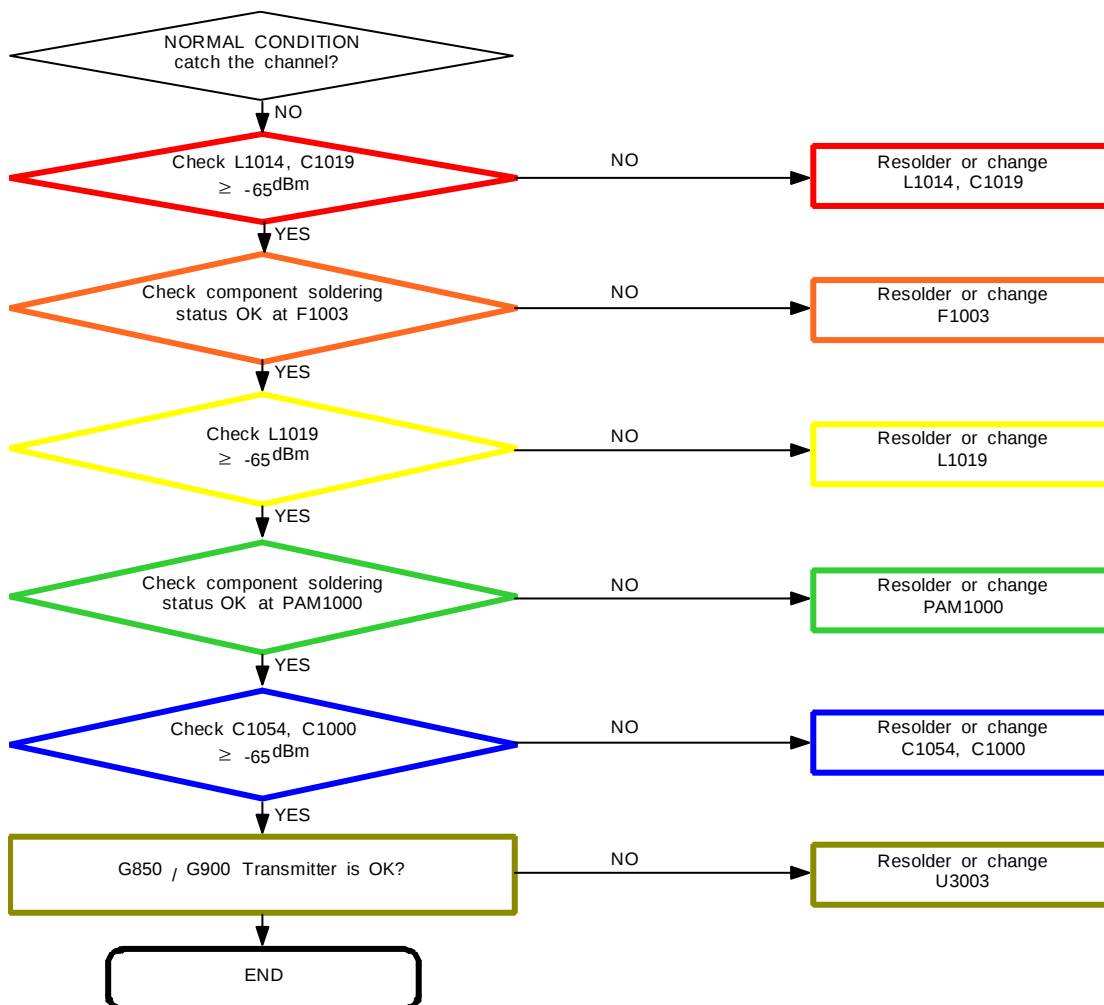
8. Level 3 Repair

8-4-36. LTE B13 TX



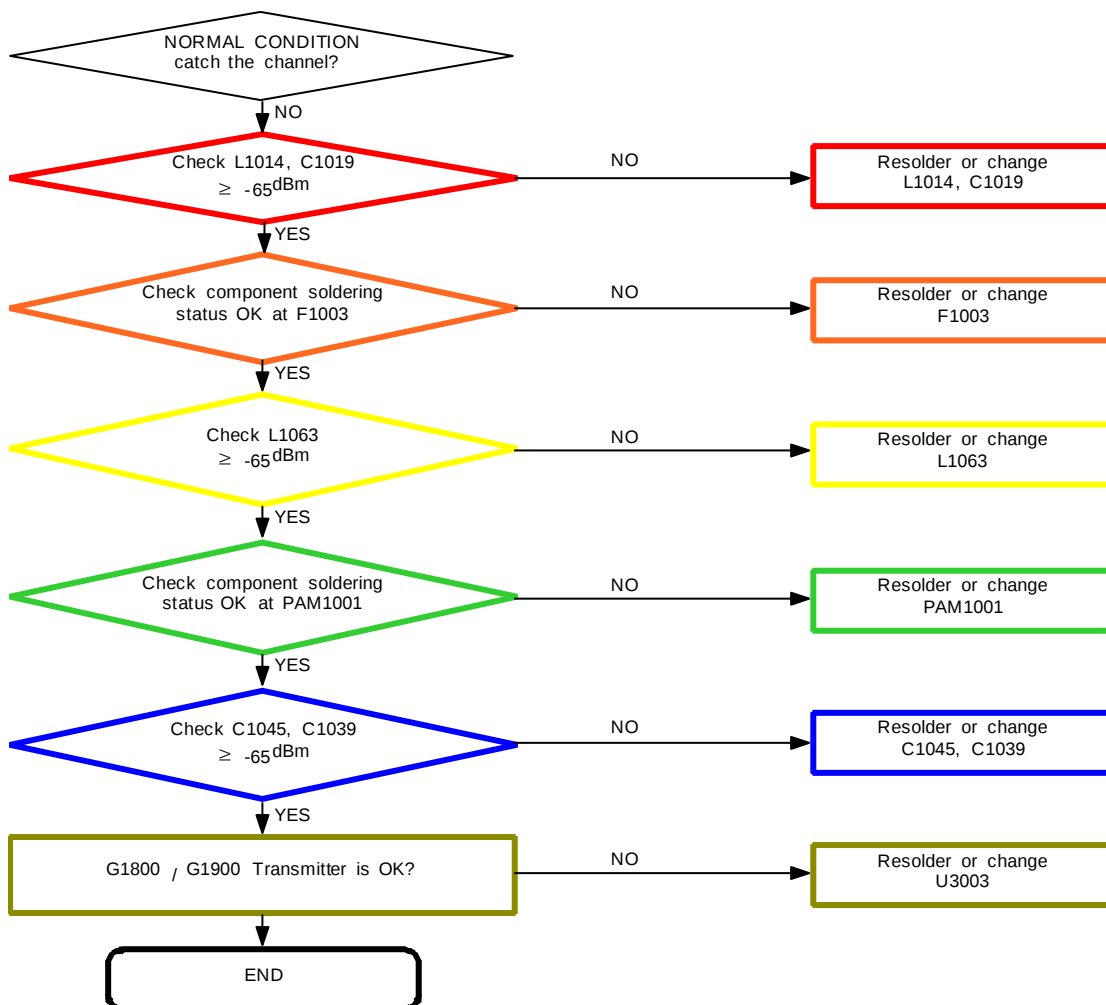
8. Level 3 Repair

8-4-37. G850 / G900 TX



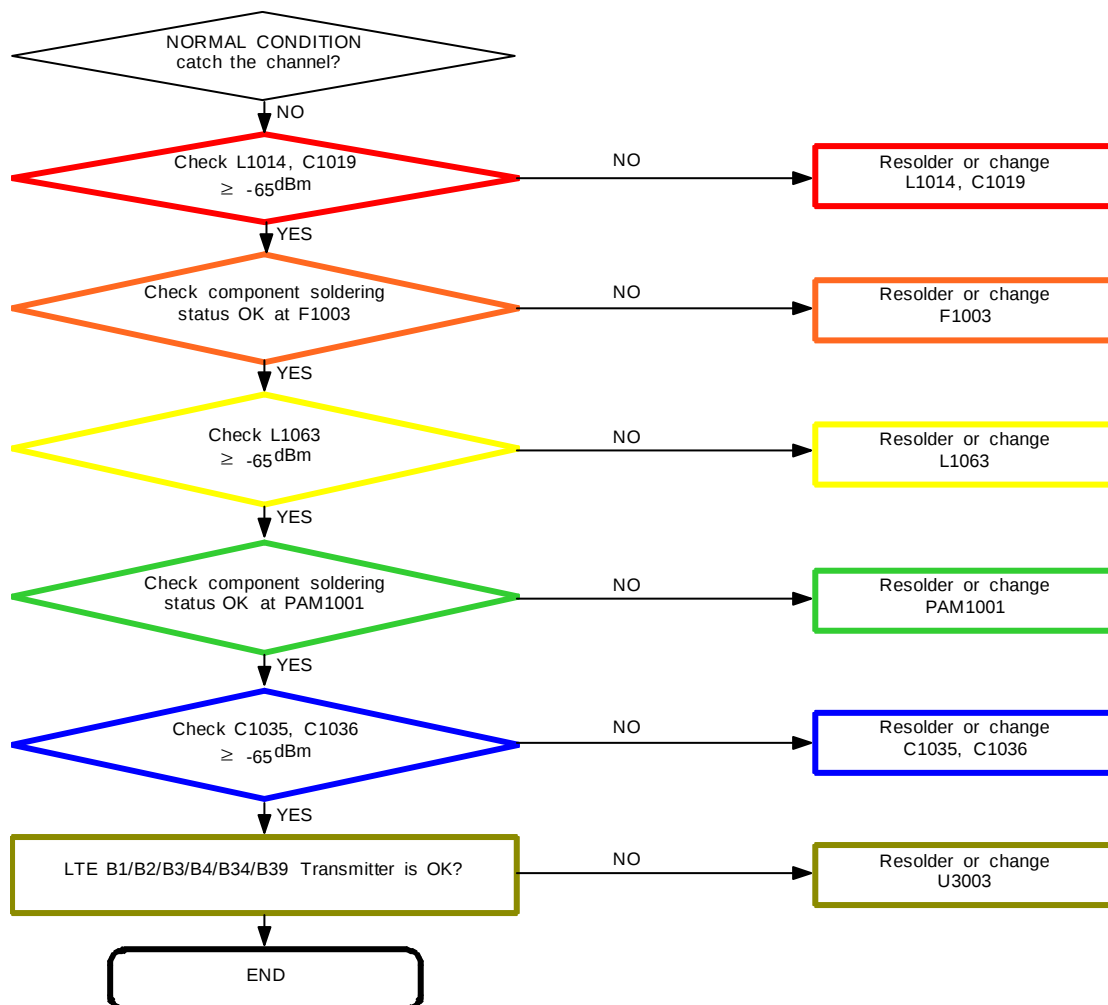
8. Level 3 Repair

8-4-38. GSM1800 / GSM1900 TX



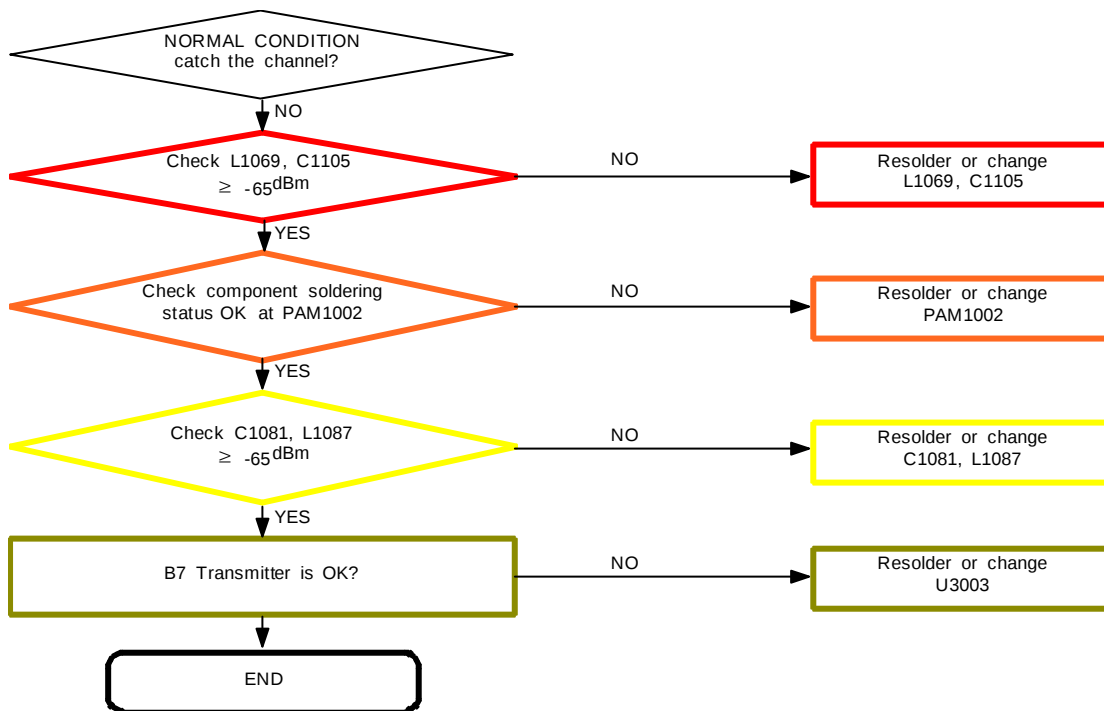
8. Level 3 Repair

8-4-39. LTE B1/B2/B3/B4/B34/B39 TX



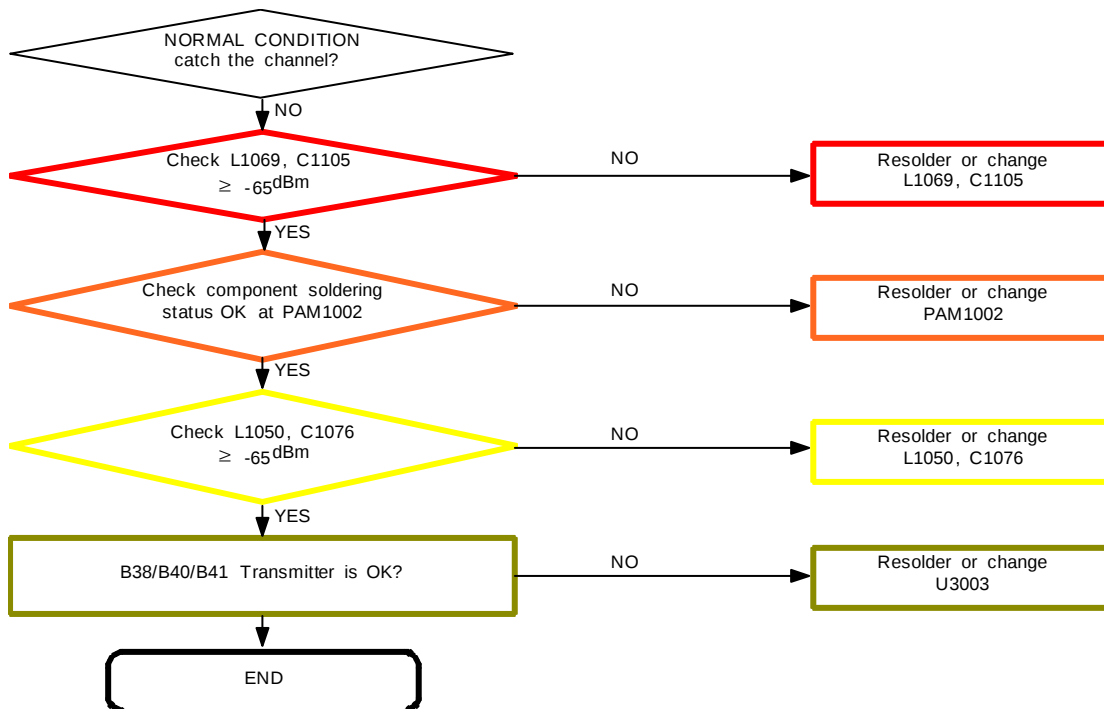
8. Level 3 Repair

8-4-40. LTE B7 TX



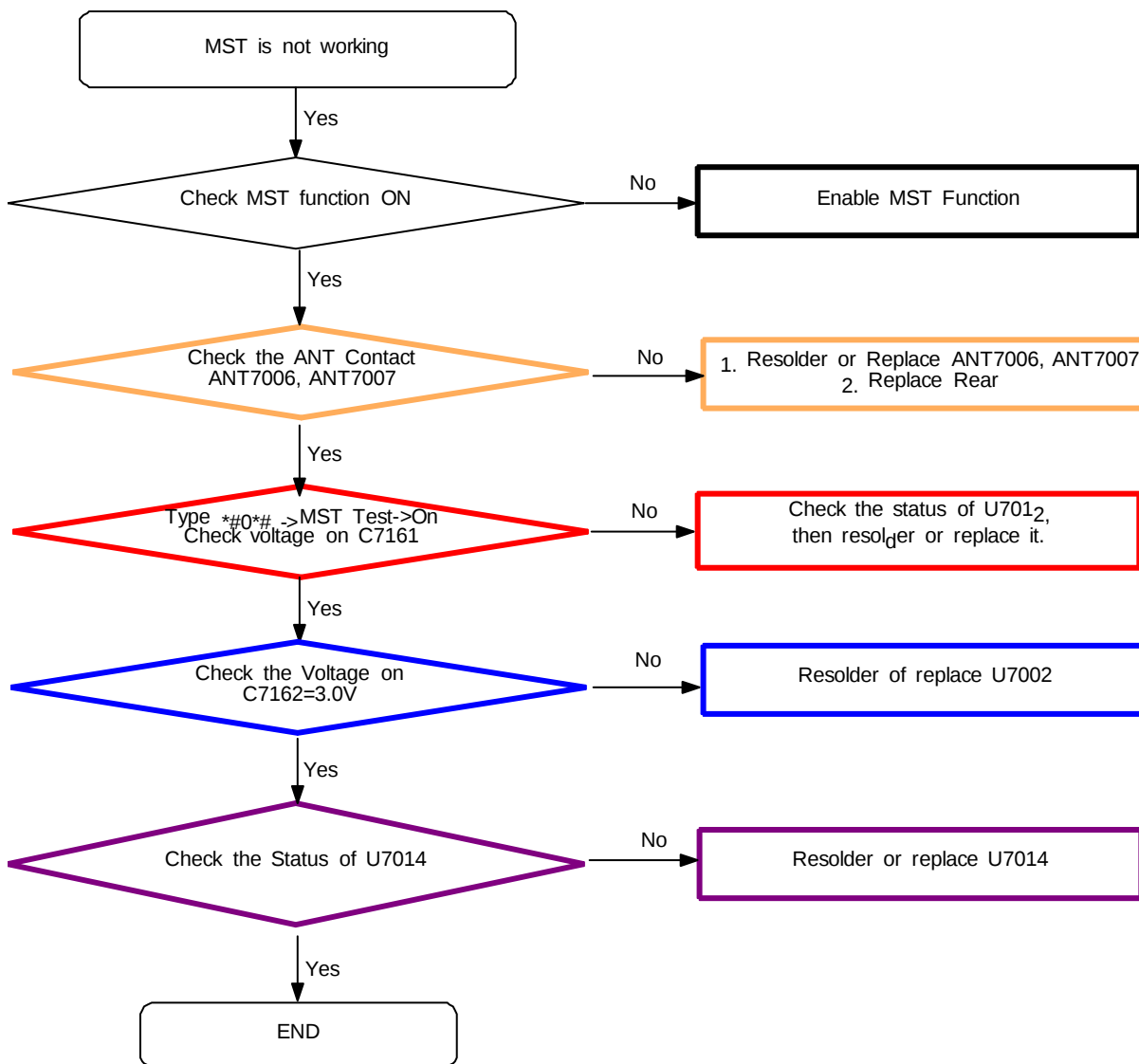
8. Level 3 Repair

8-4-41. LTE B38/B40/B41 TX



8. Level 3 Repair

8-4-42. MST



8. Level 3 Repair

8-5. Service Schematics

-NC Point(Top View)

