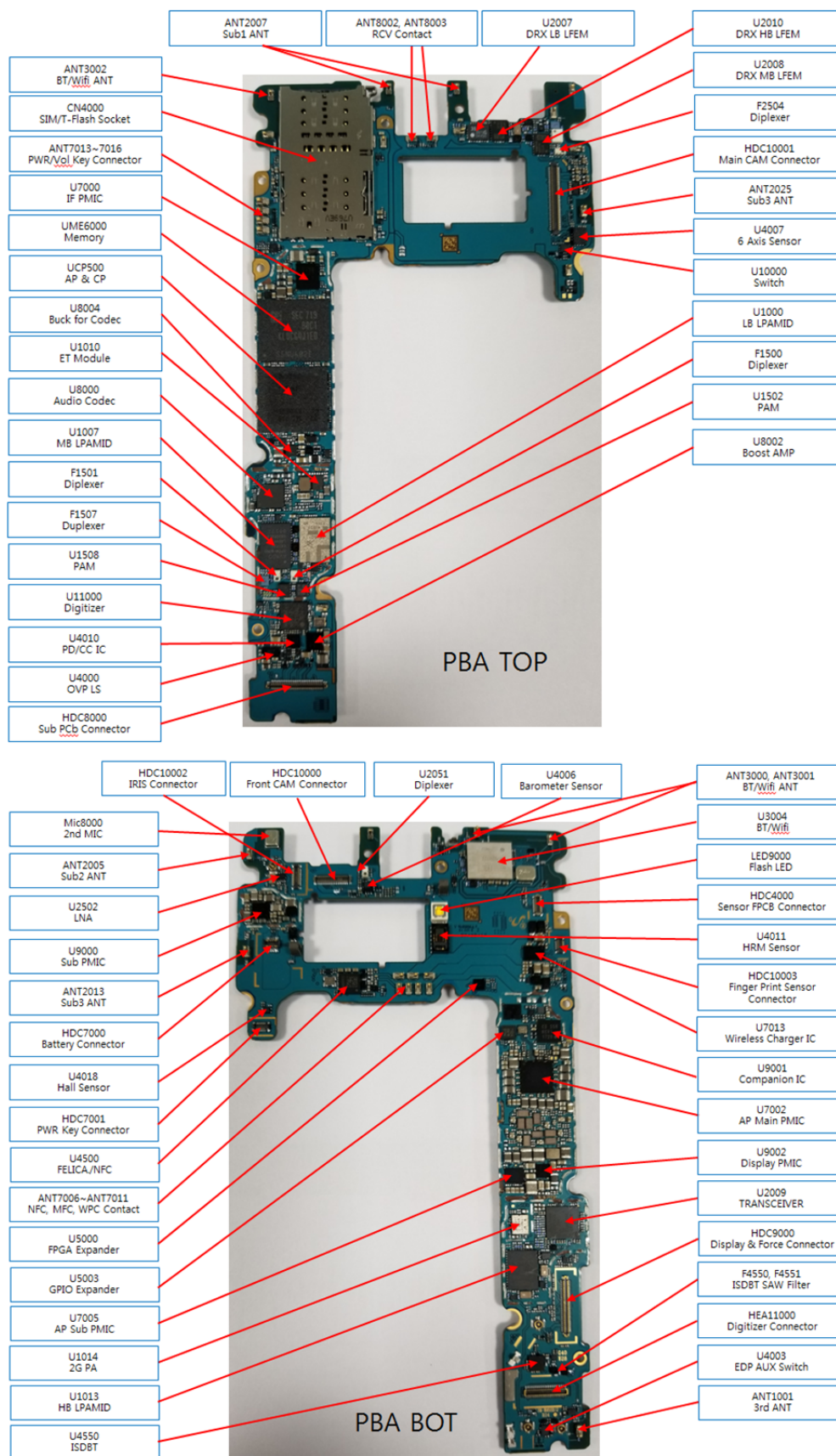


8. Level 3 Repair

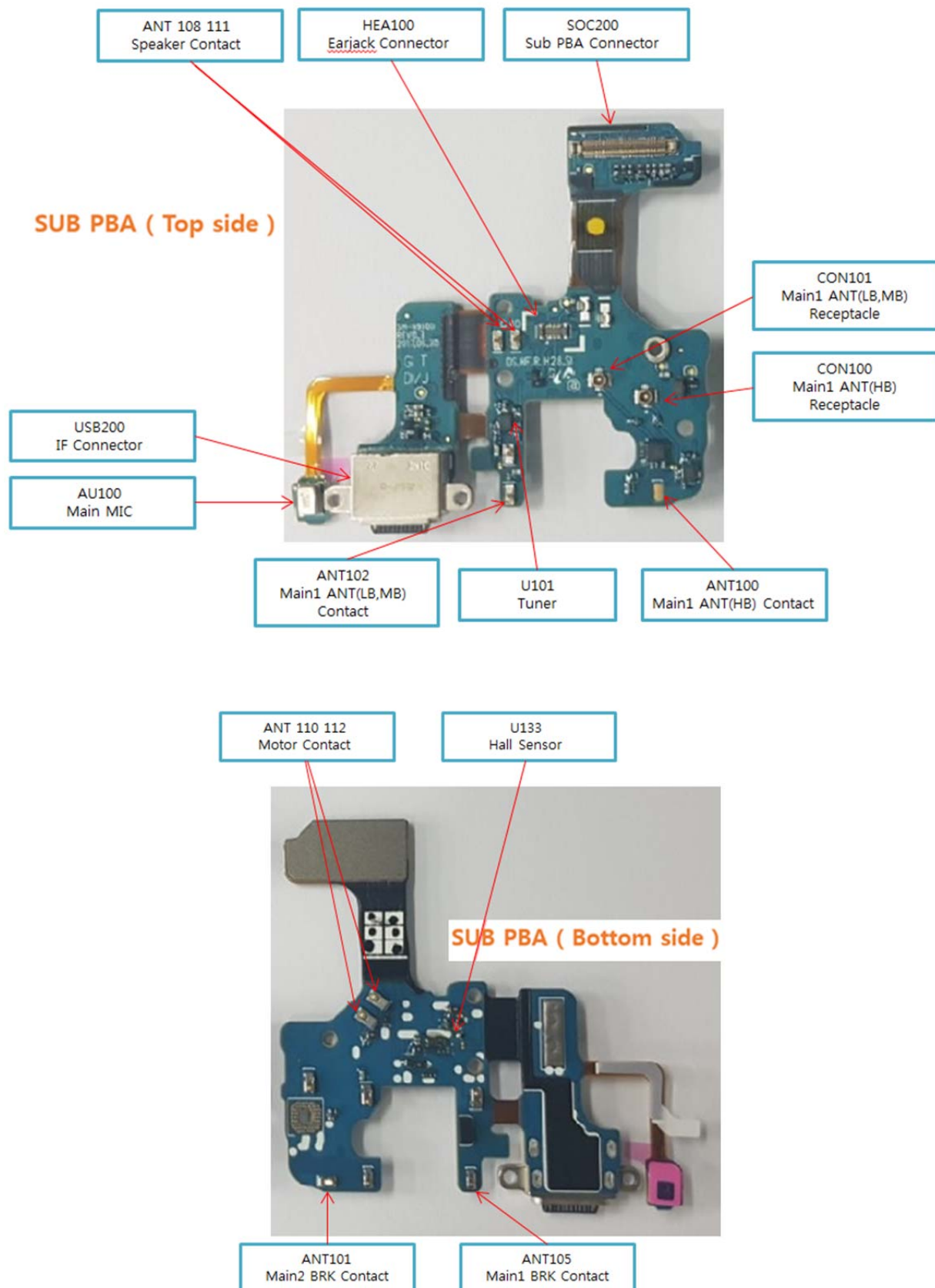
8-1. Components Layout

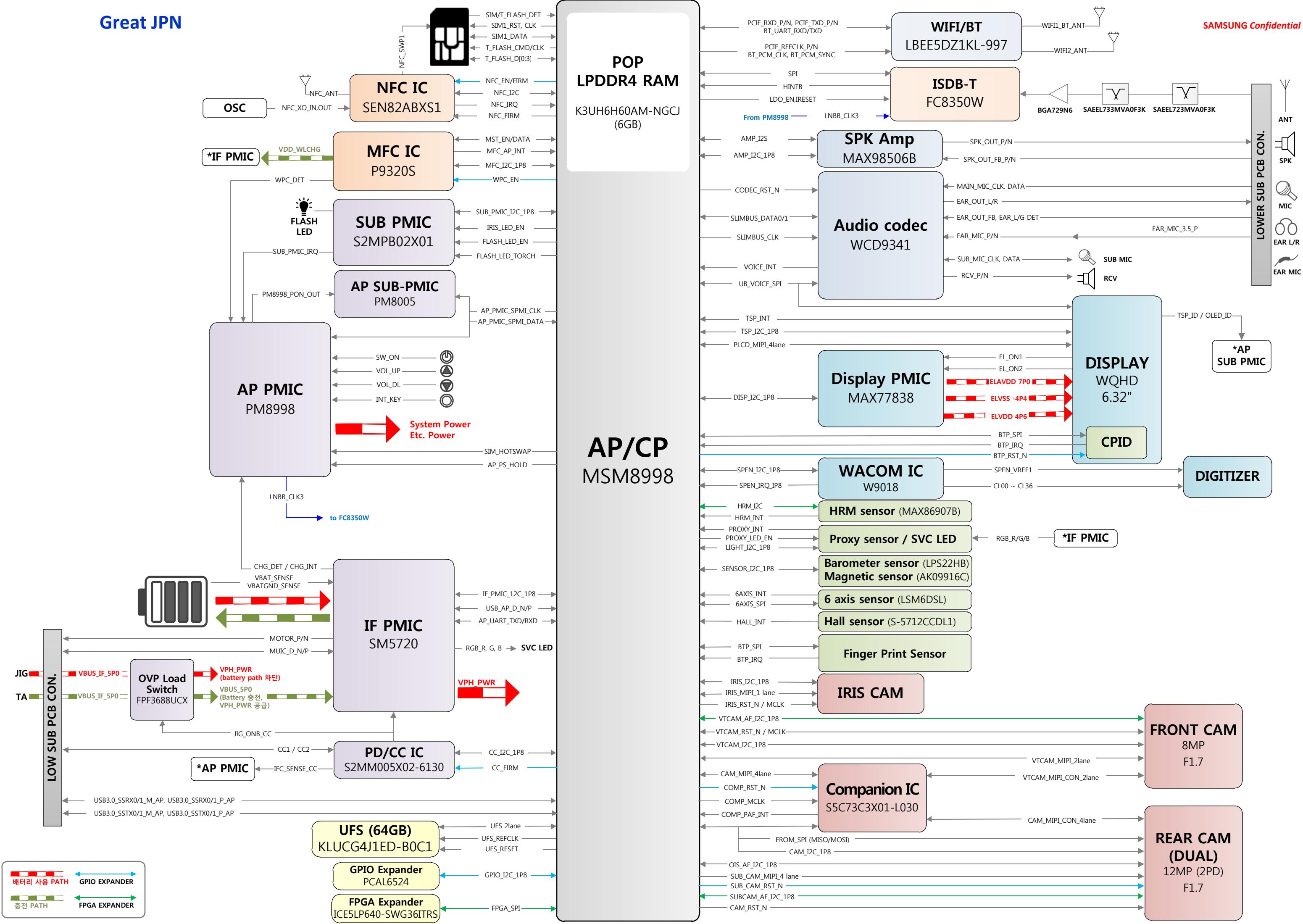


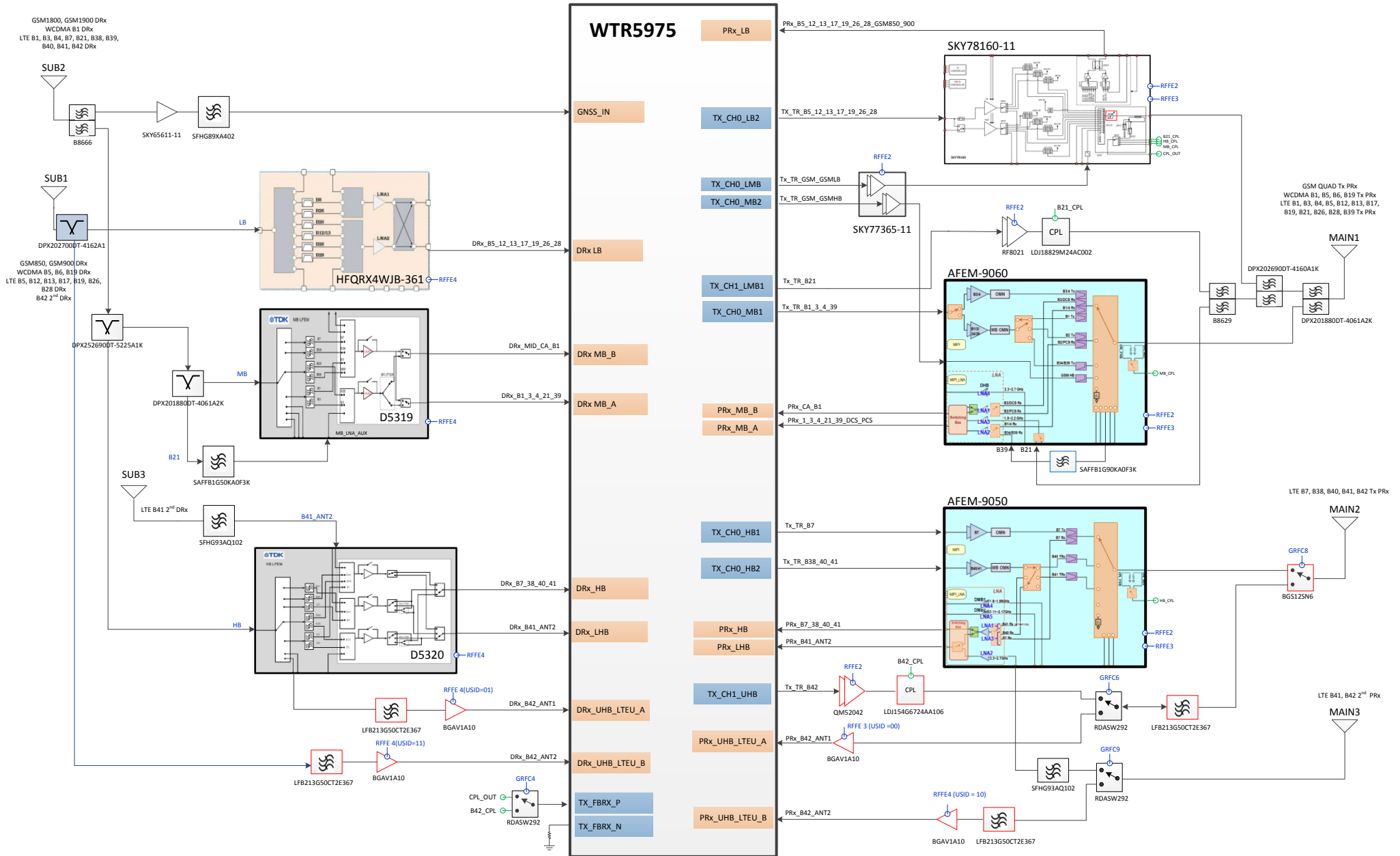
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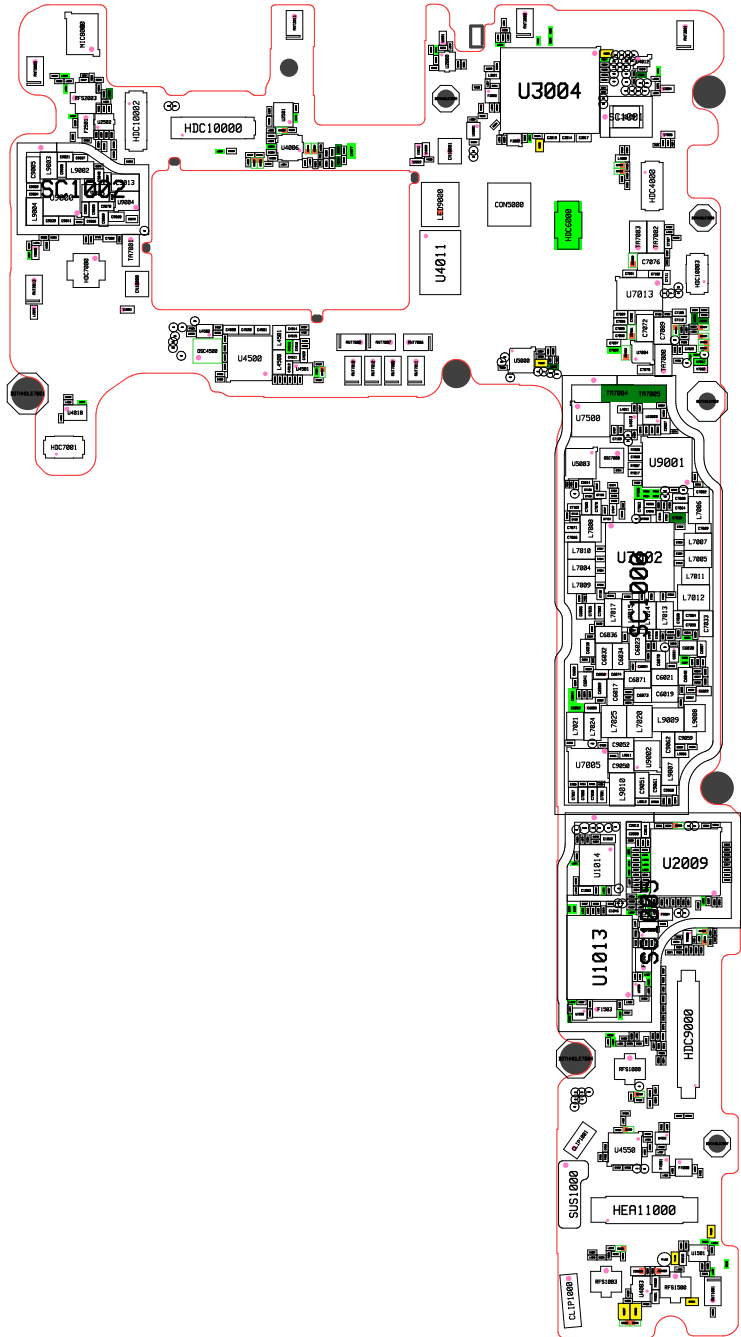
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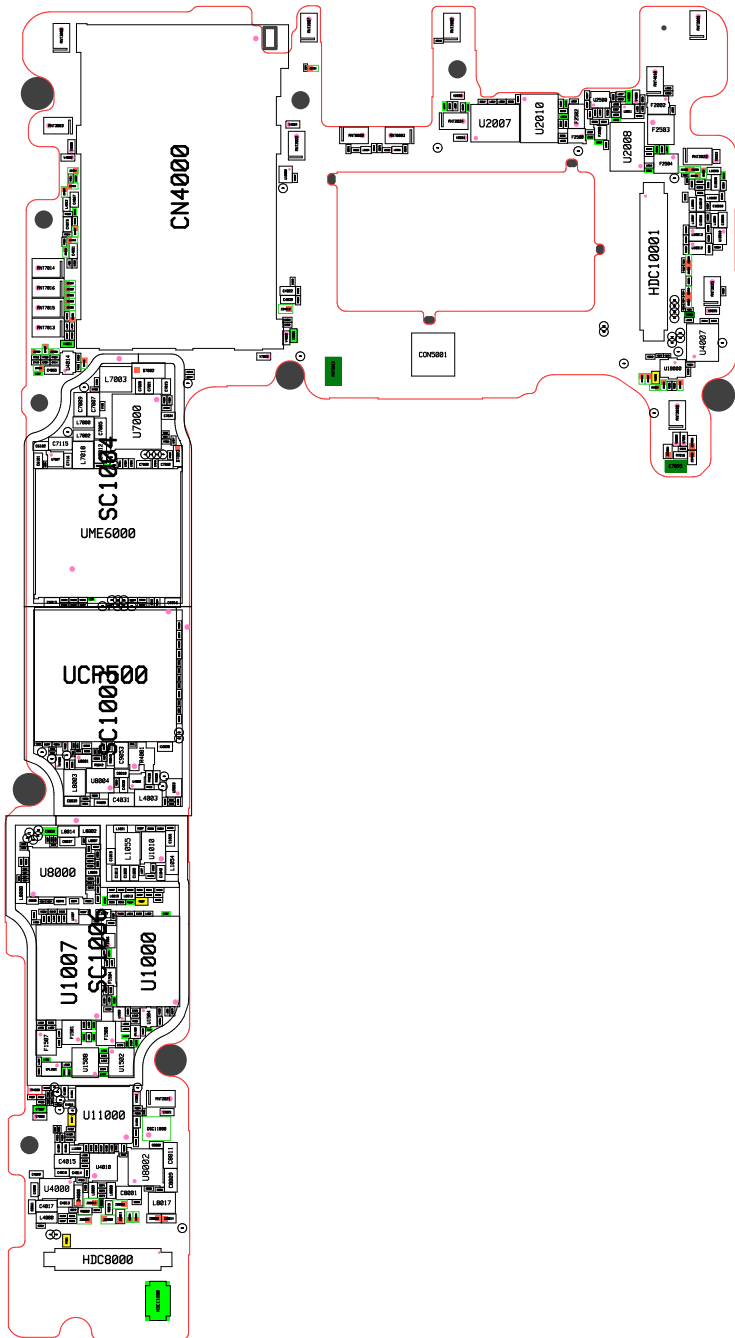
8. Level 3 Repair





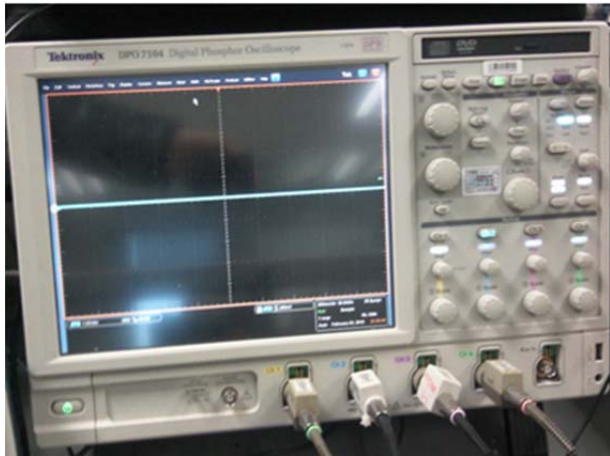






8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



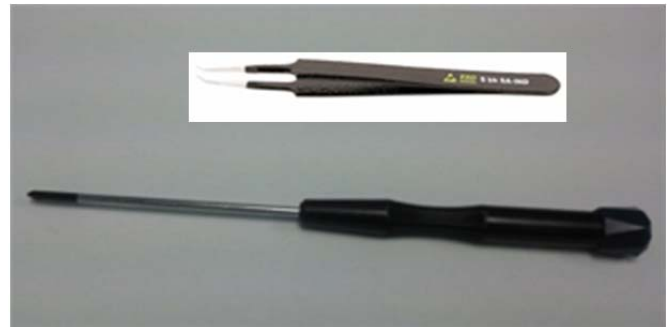
Oscilloscope



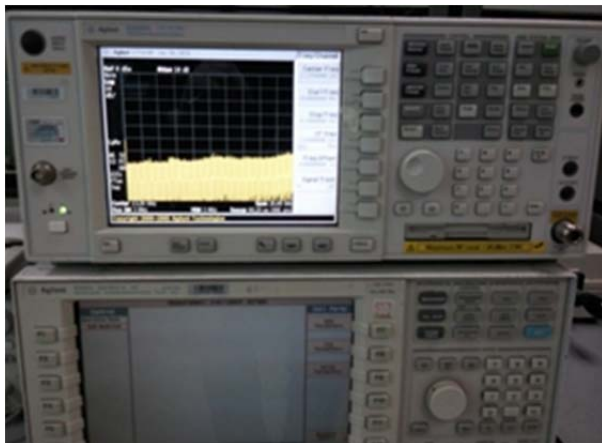
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



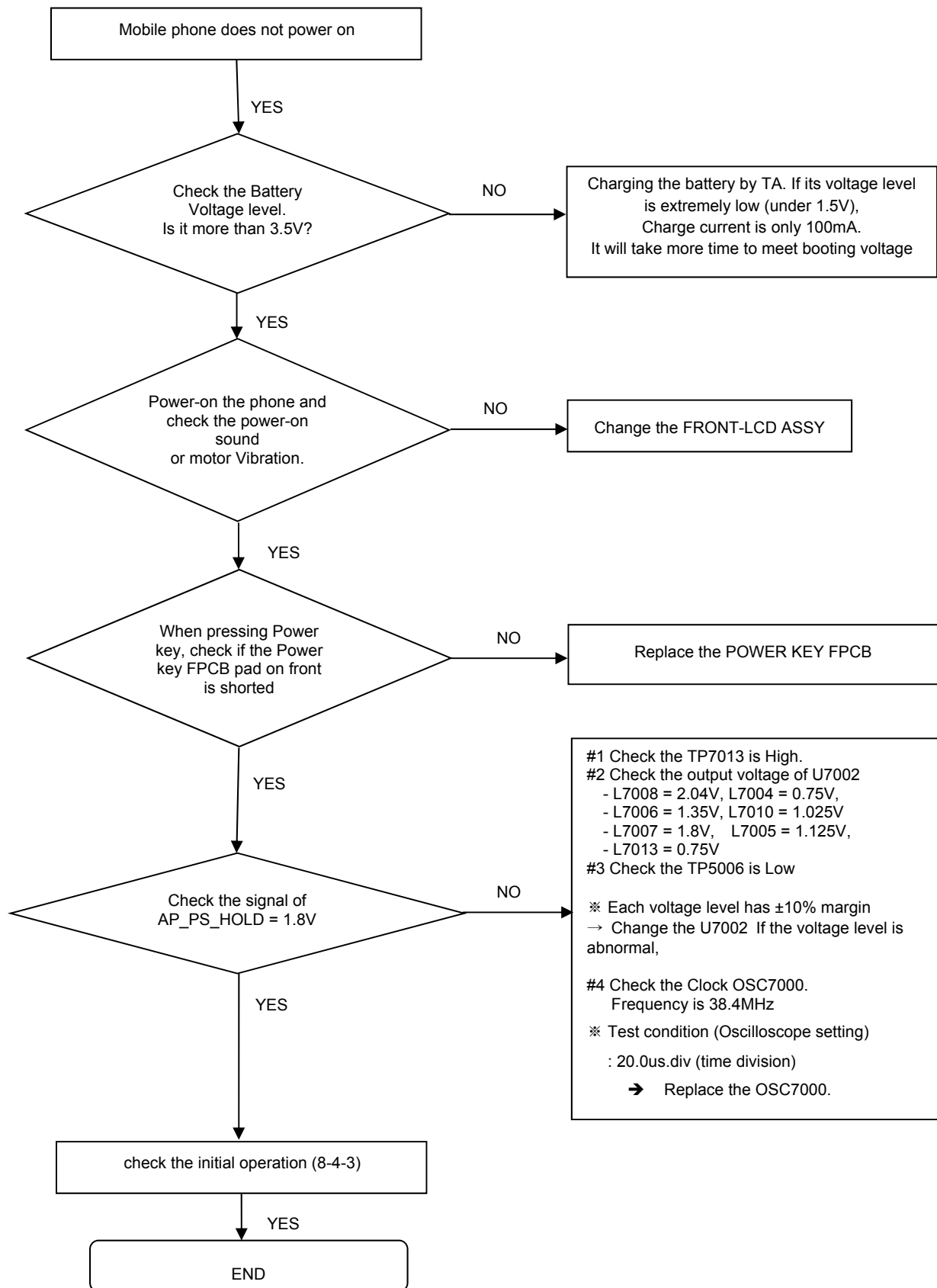
8960 & Spectrum Analyzer



Soldering iron

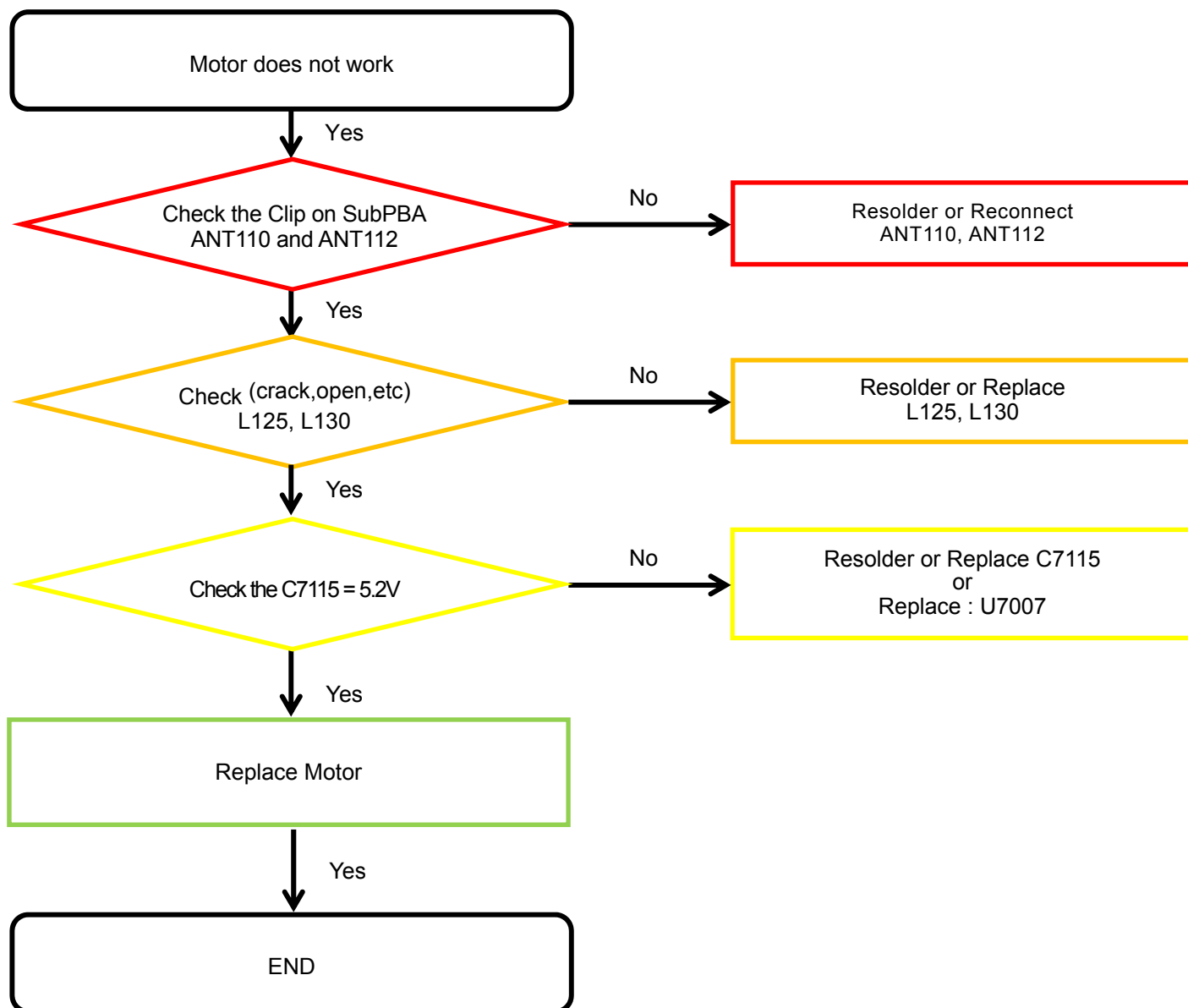
8. Level 3 Repair

8-4-1. Power on



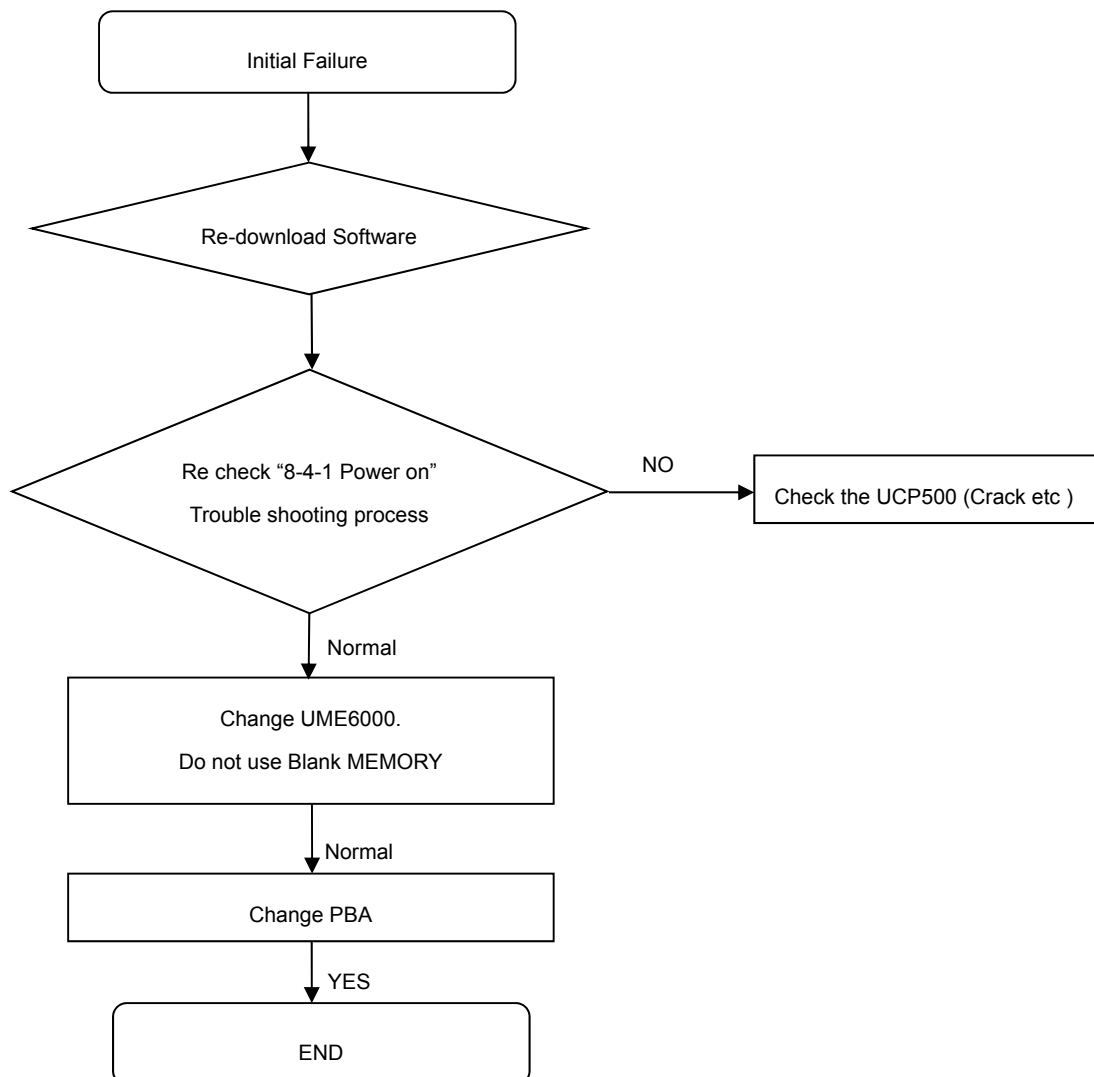
8. Level 3 Repair

8-4-2. Motor



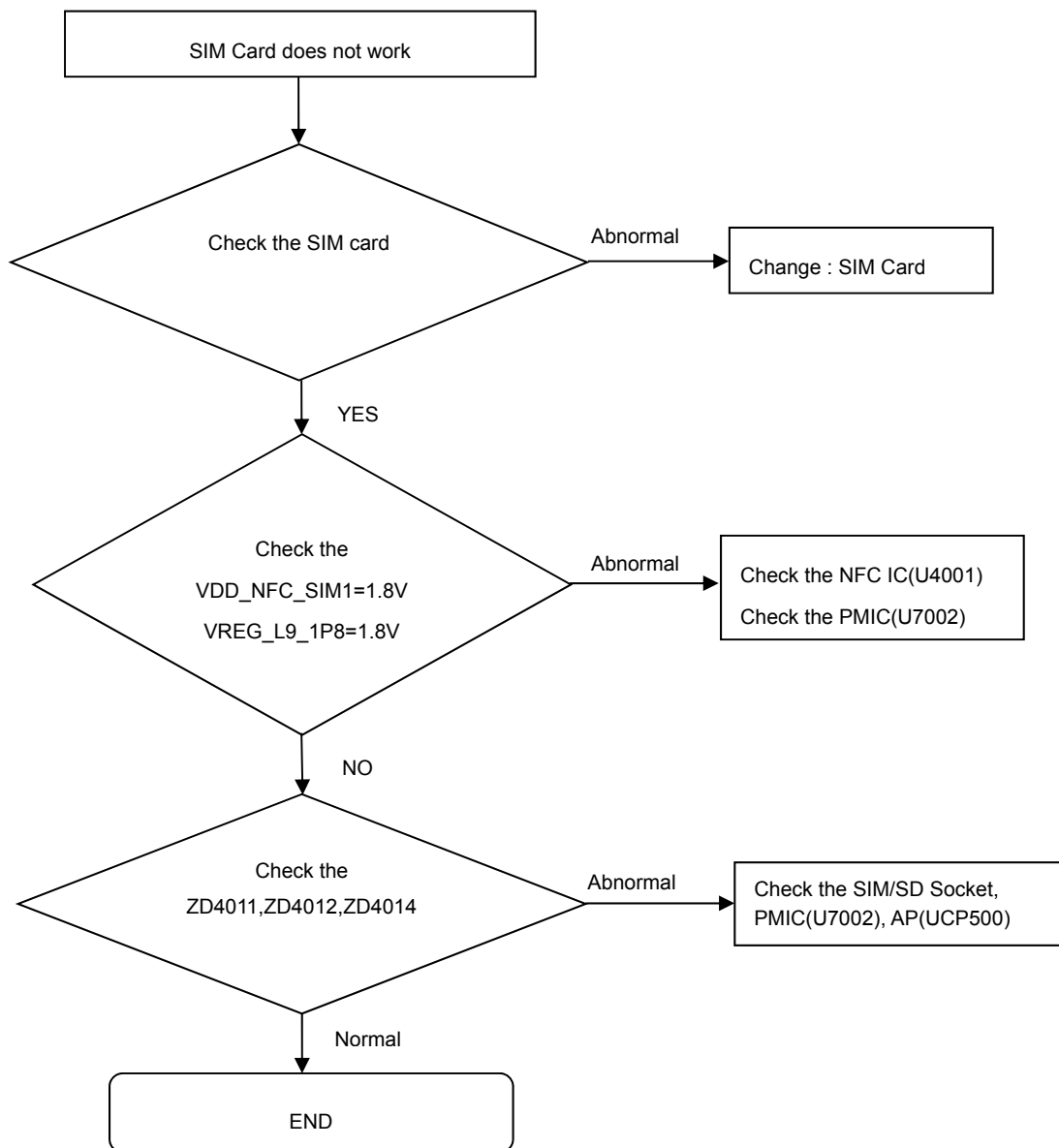
8. Level 3 Repair

8-4-3. initial



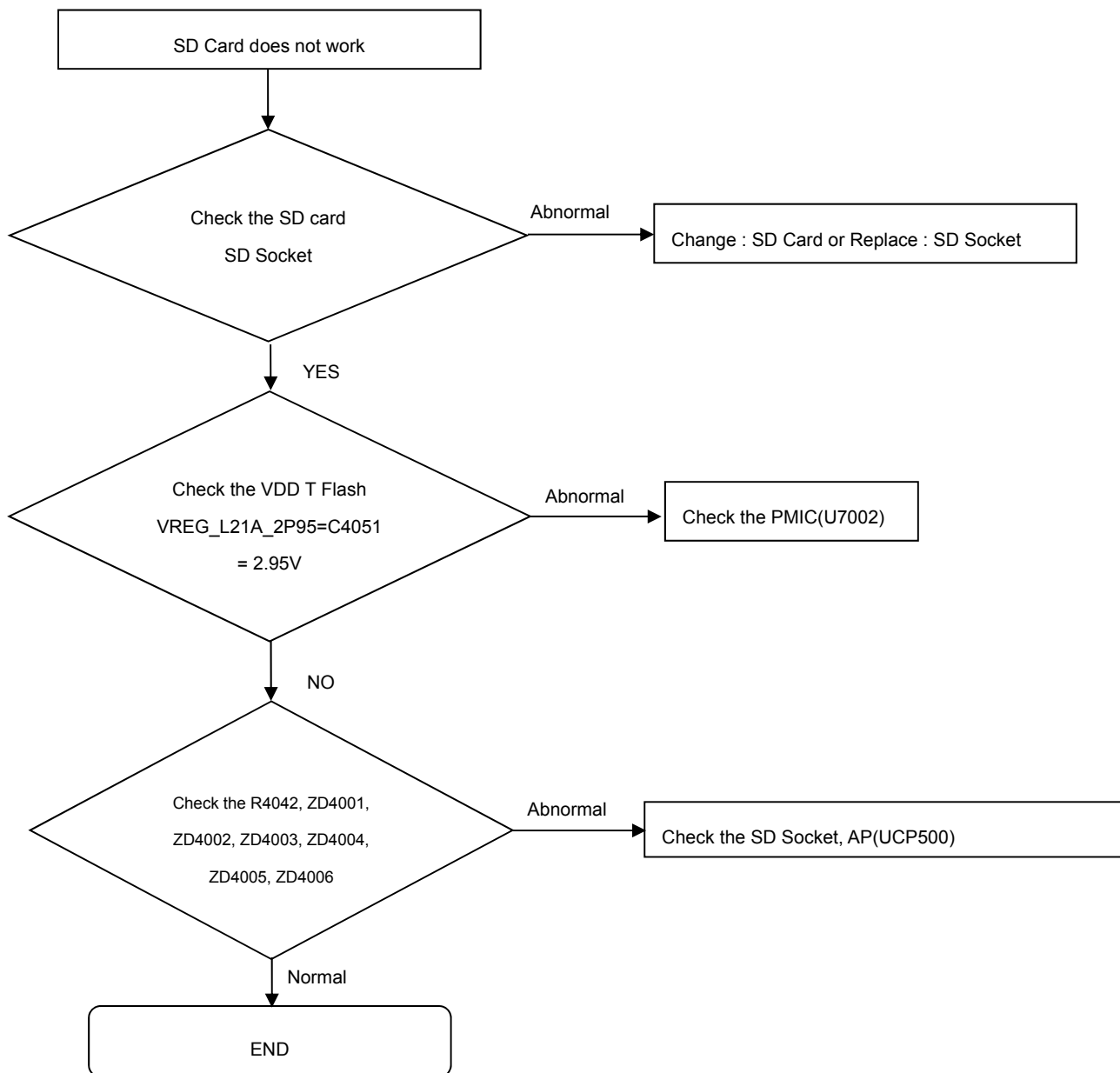
8. Level 3 Repair

8-4-4. SIM PART



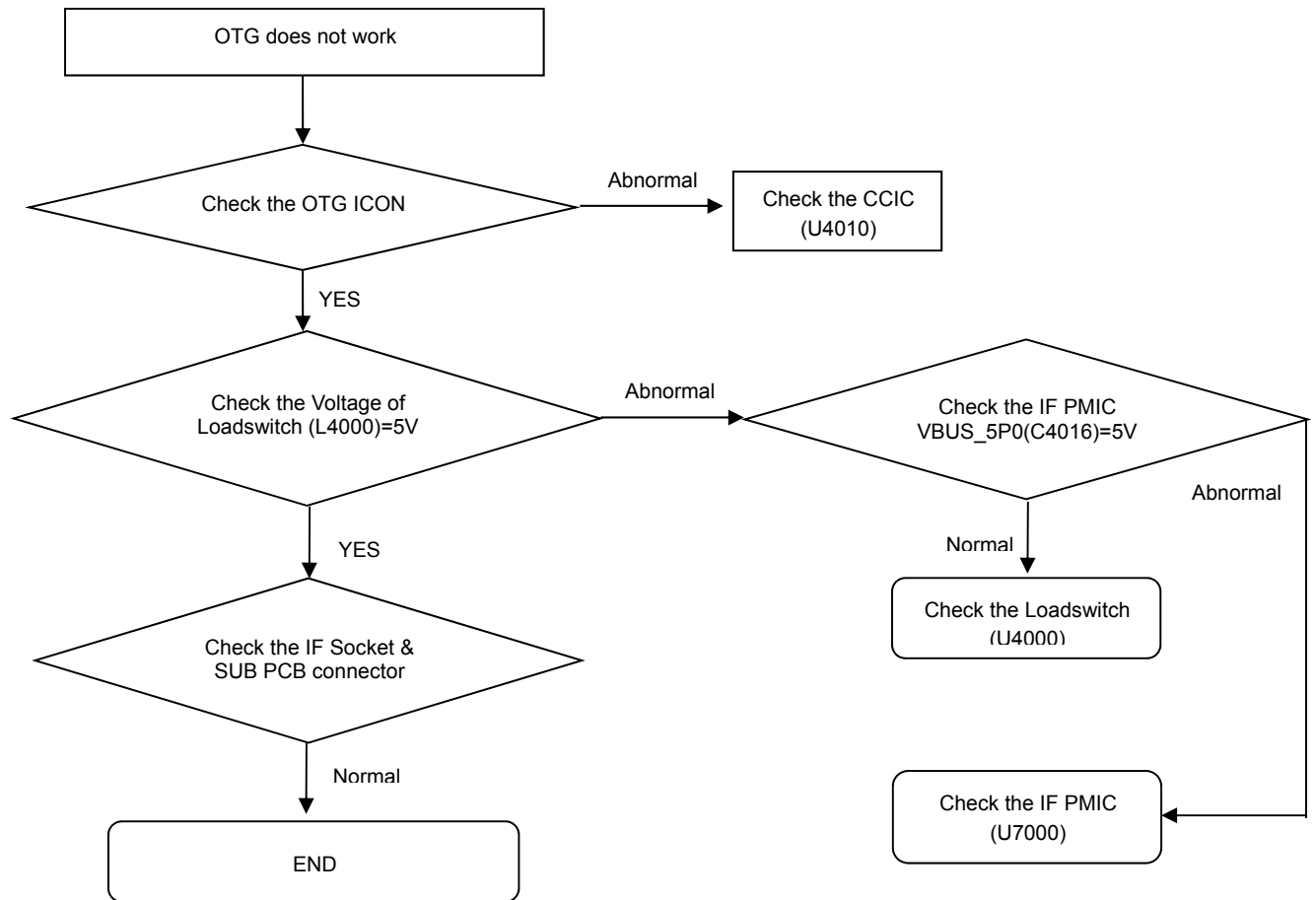
8. Level 3 Repair

8-4-5. SIM/SD PART



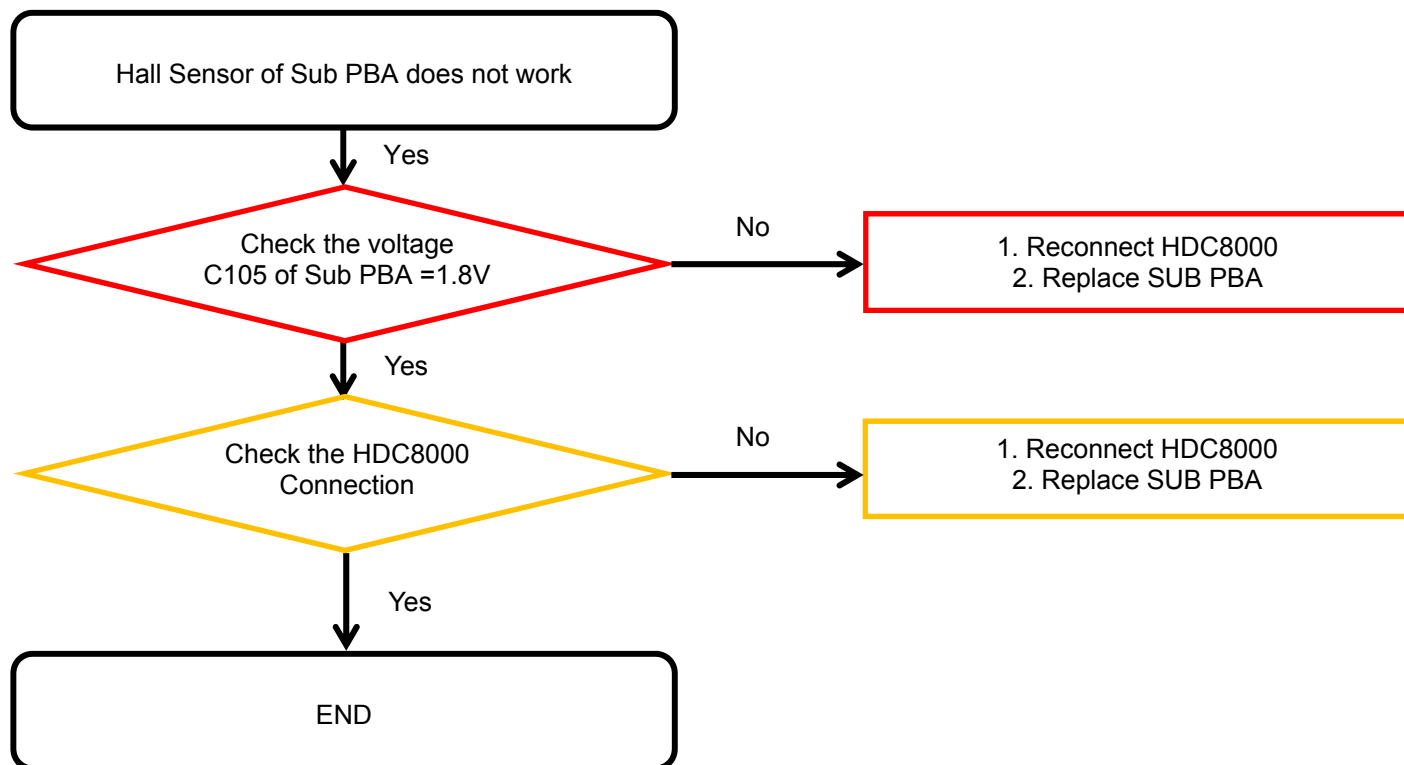
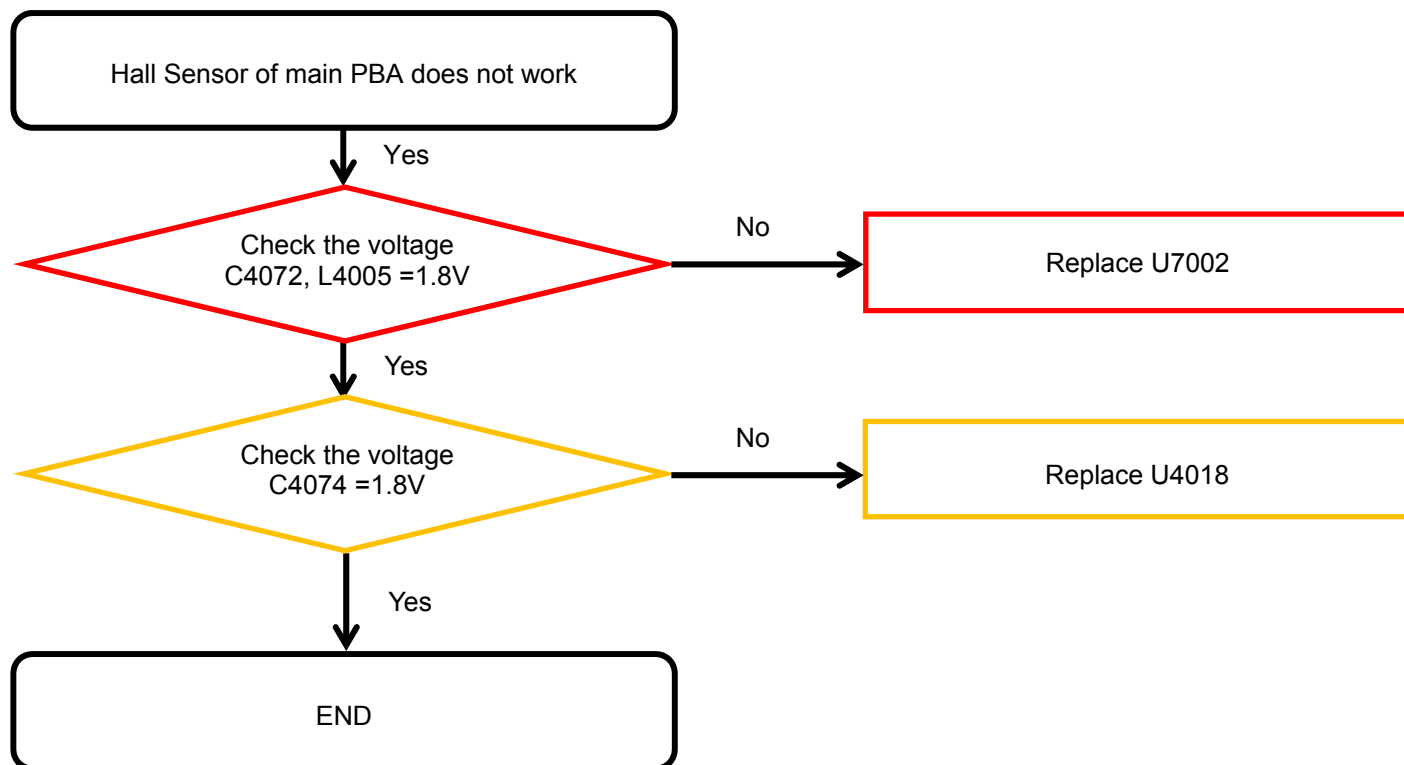
8. Level 3 Repair

8-4-6. OTG



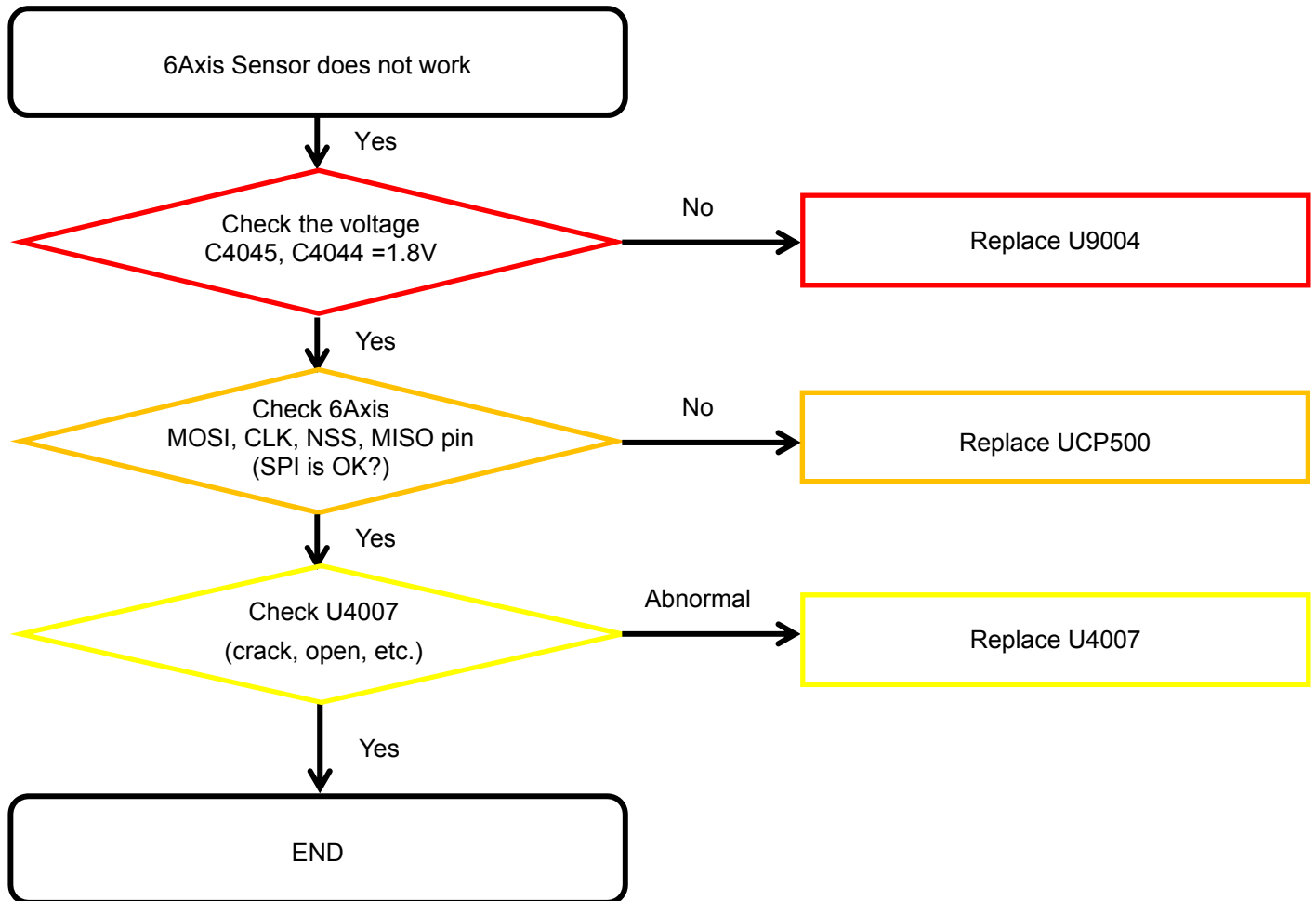
8. Level 3 Repair

8-4-7. Hall IC



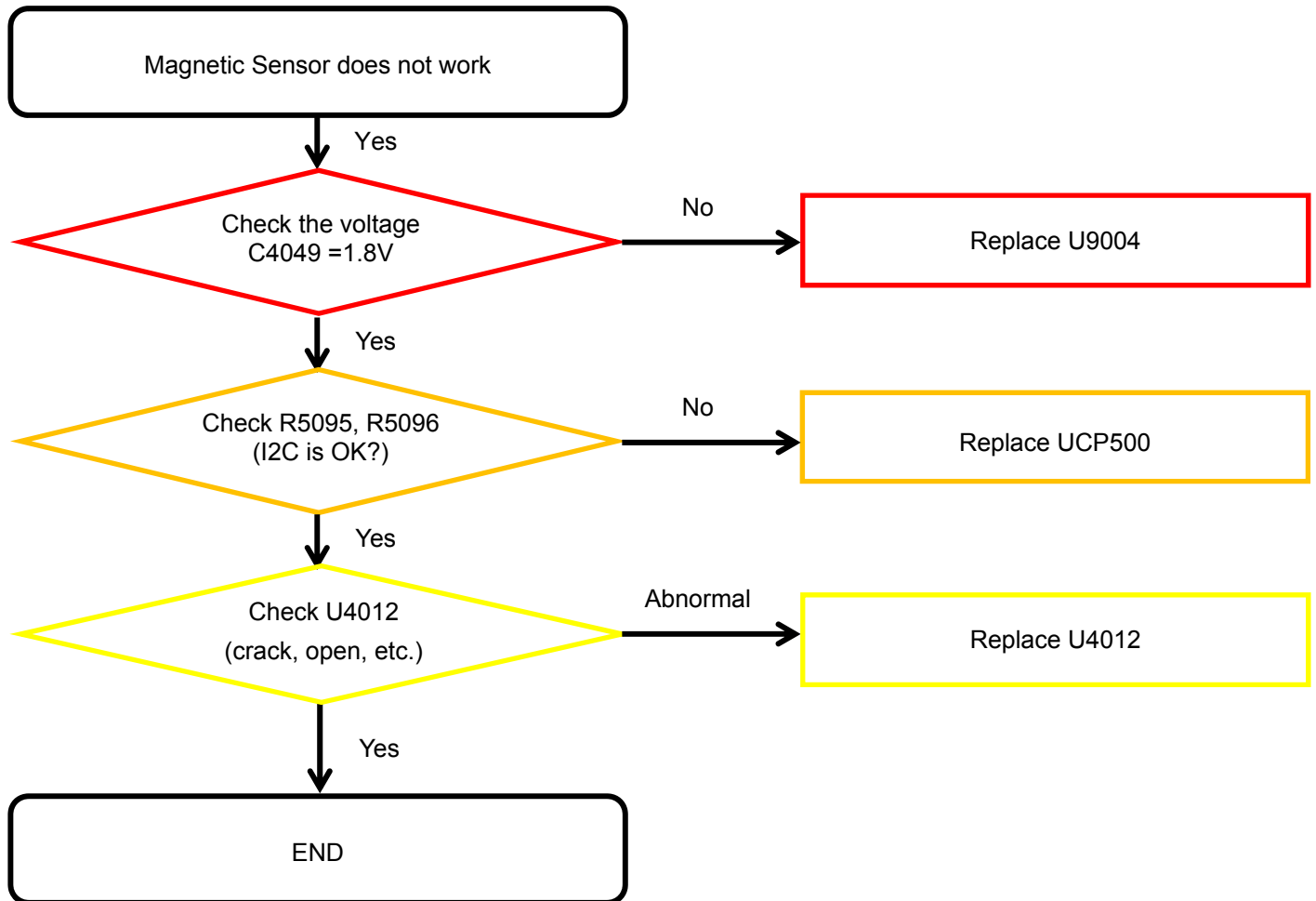
8. Level 3 Repair

8-4-8. 6Axis sensor



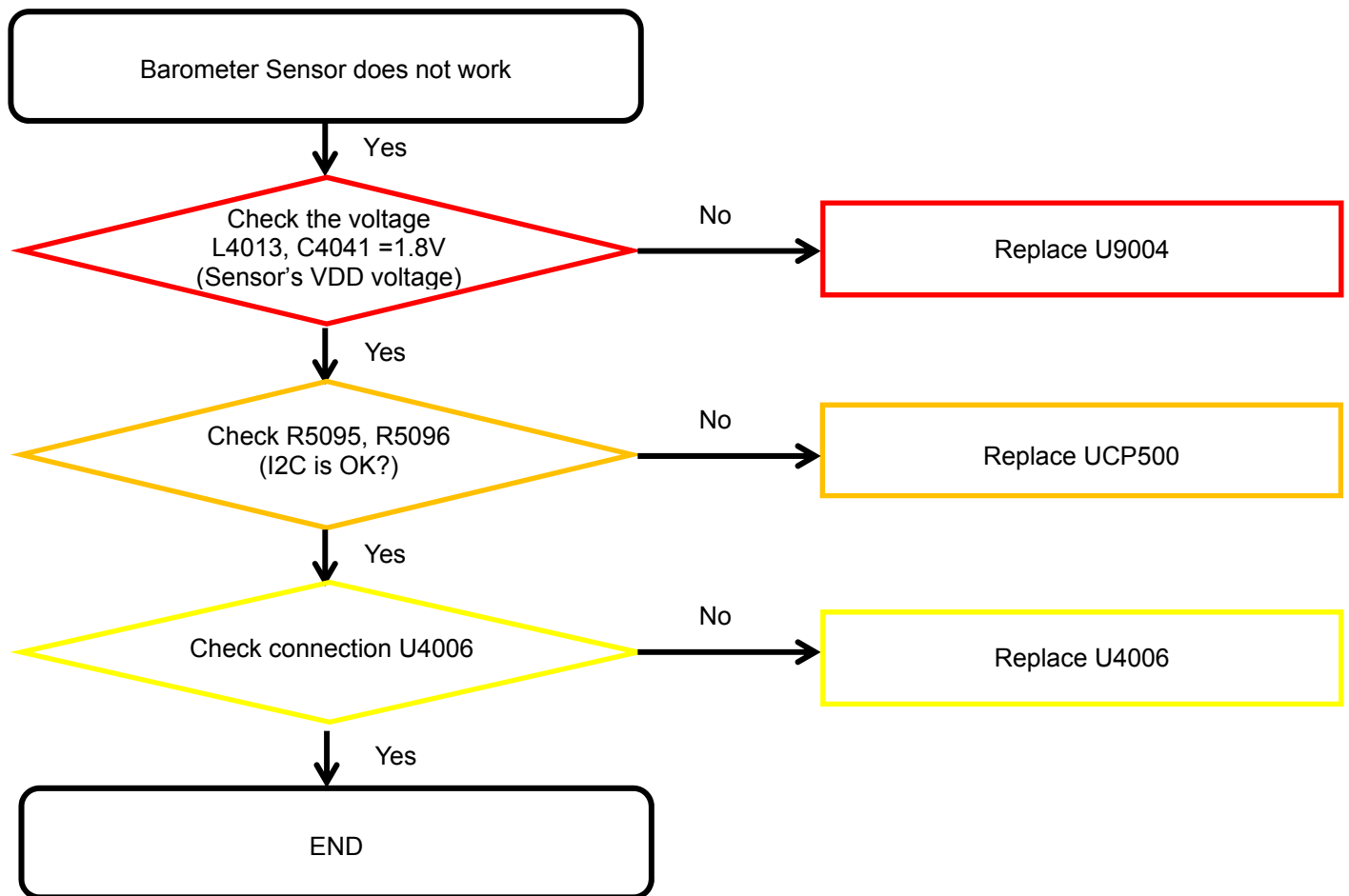
8. Level 3 Repair

8-4-9. Magnetic sensor



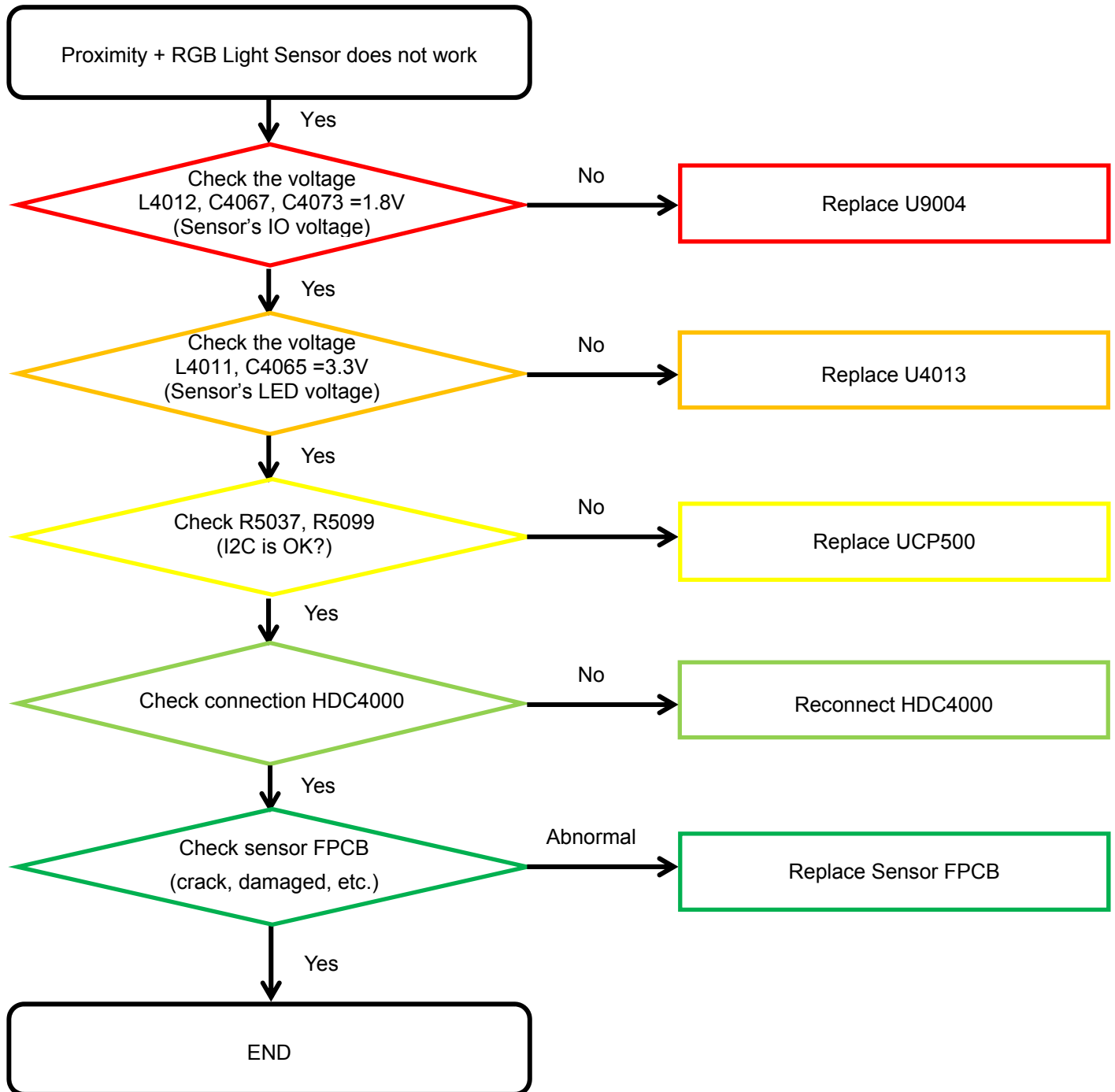
8. Level 3 Repair

8-4-10. Barometer sensor



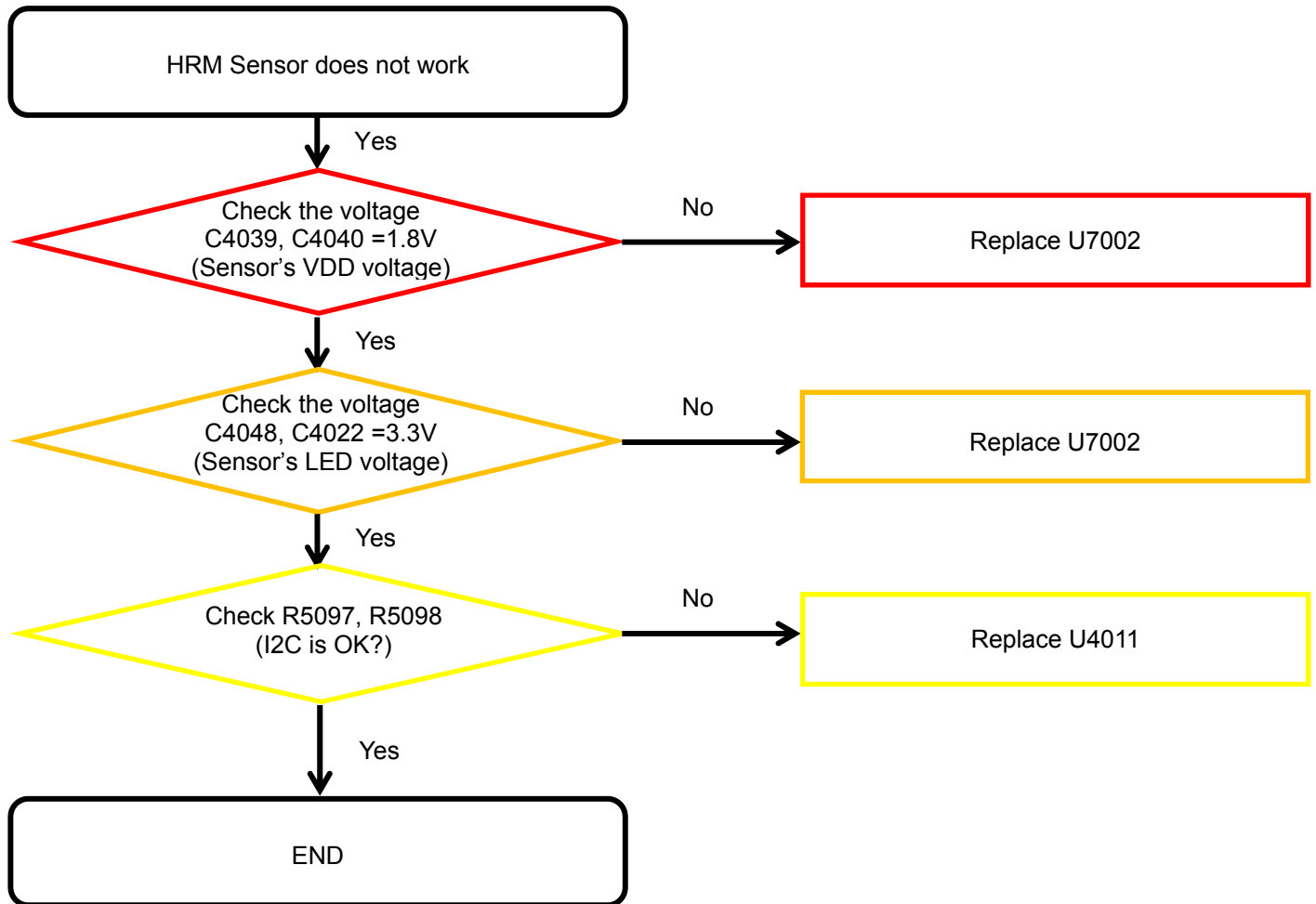
8. Level 3 Repair

8-4-11. Proximity + RGB sensor



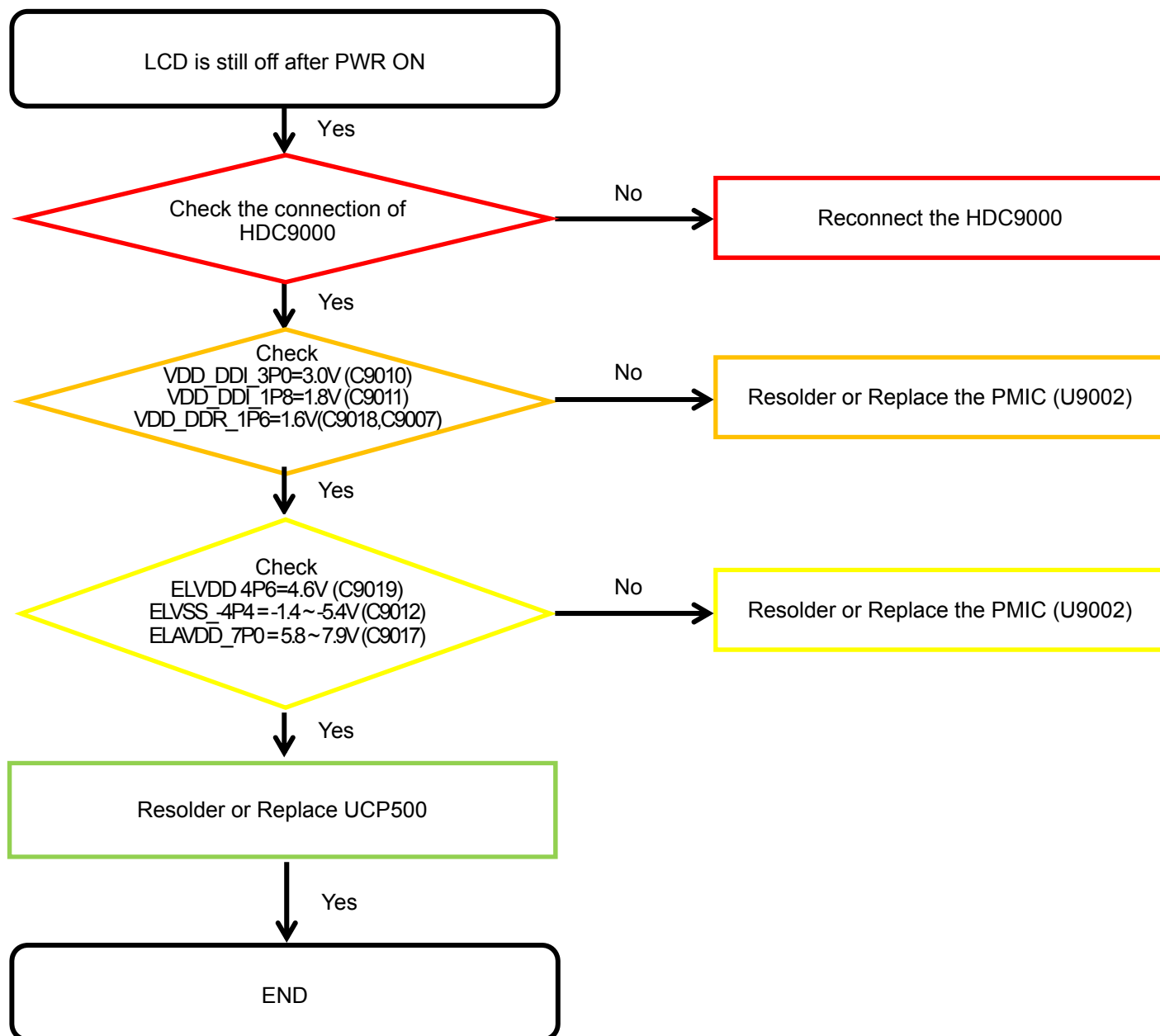
8. Level 3 Repair

8-4-12. HRM sensor



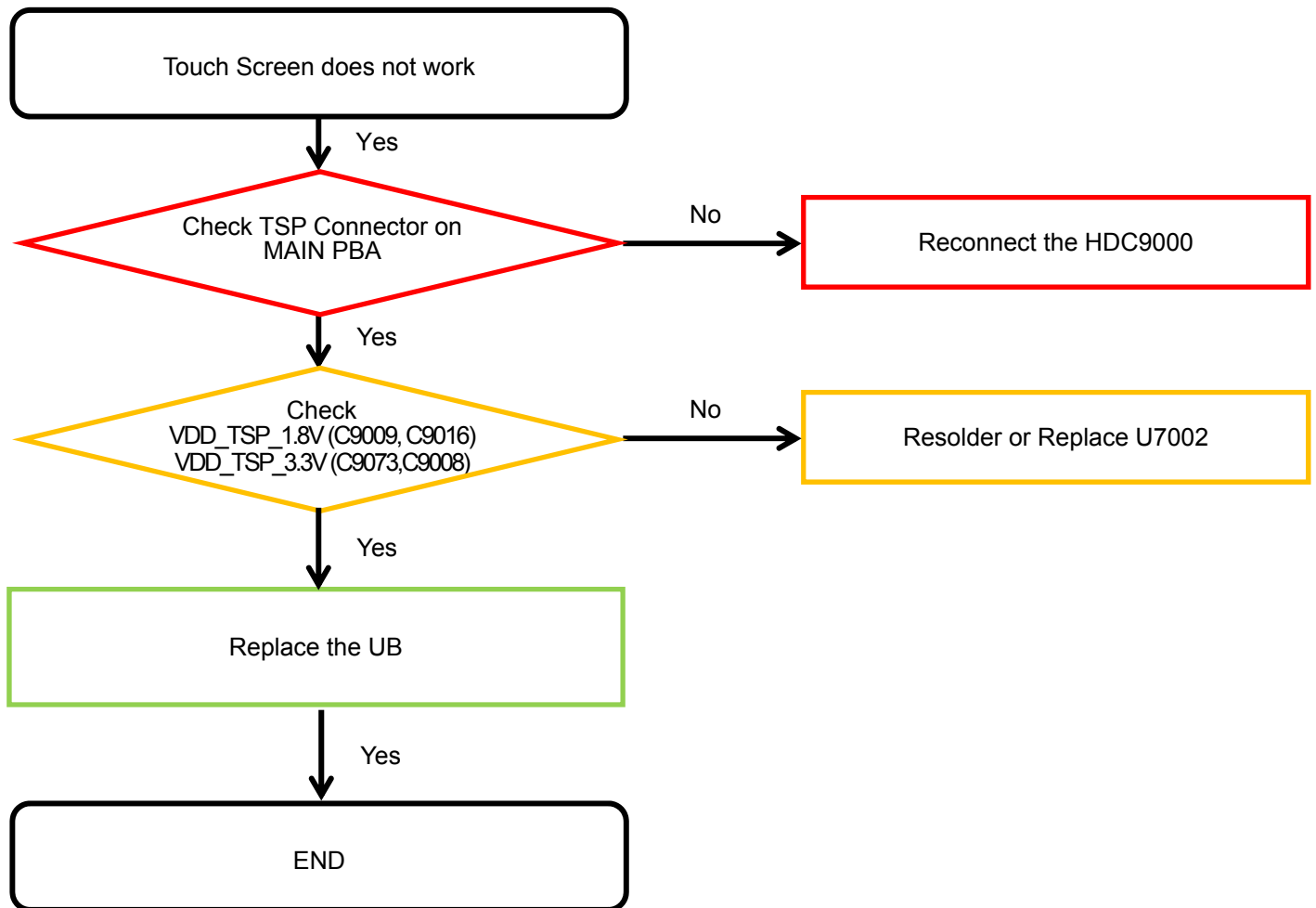
8. Level 3 Repair

8-4-13. Display



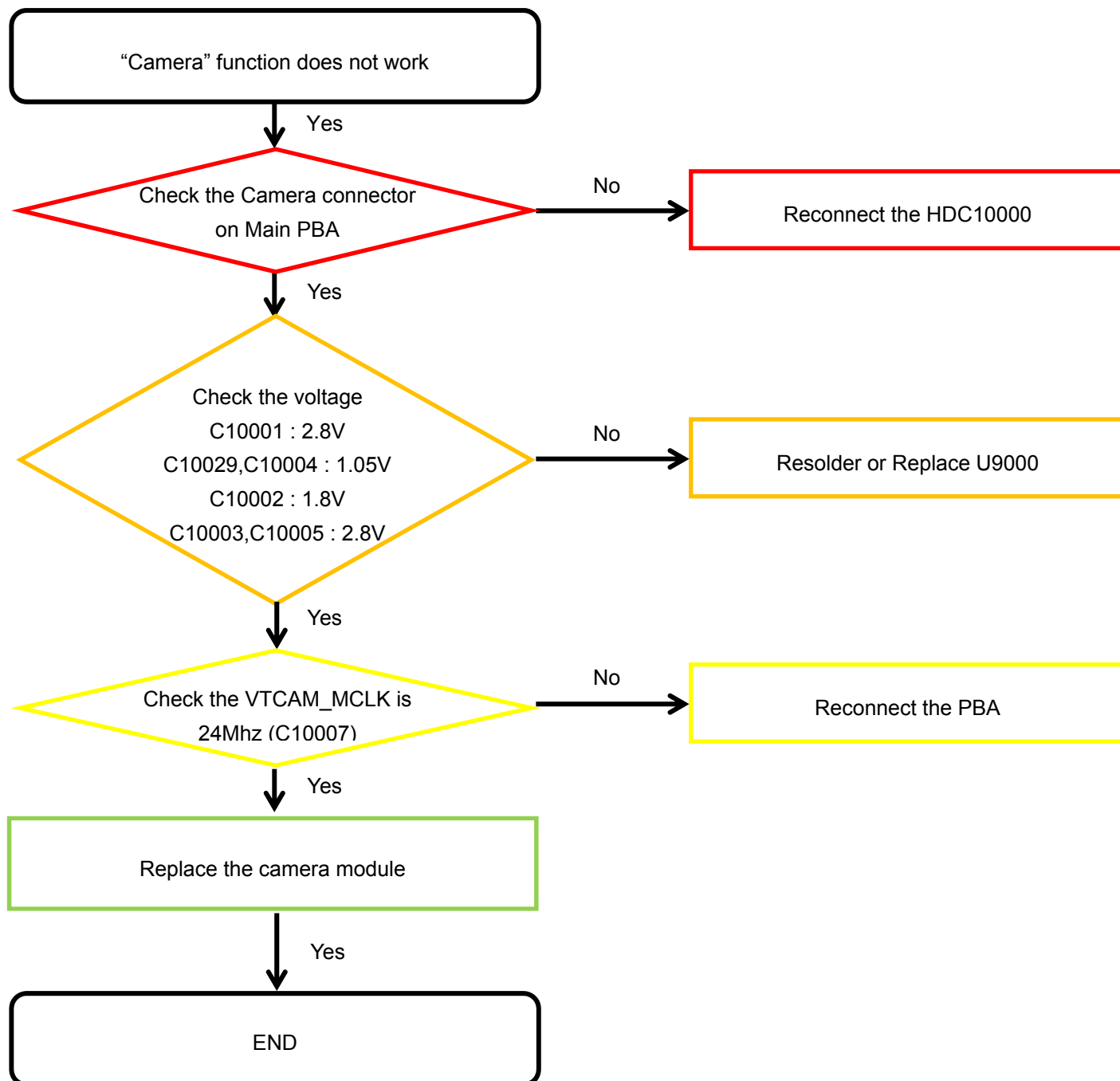
8. Level 3 Repair

8-4-14. TSP



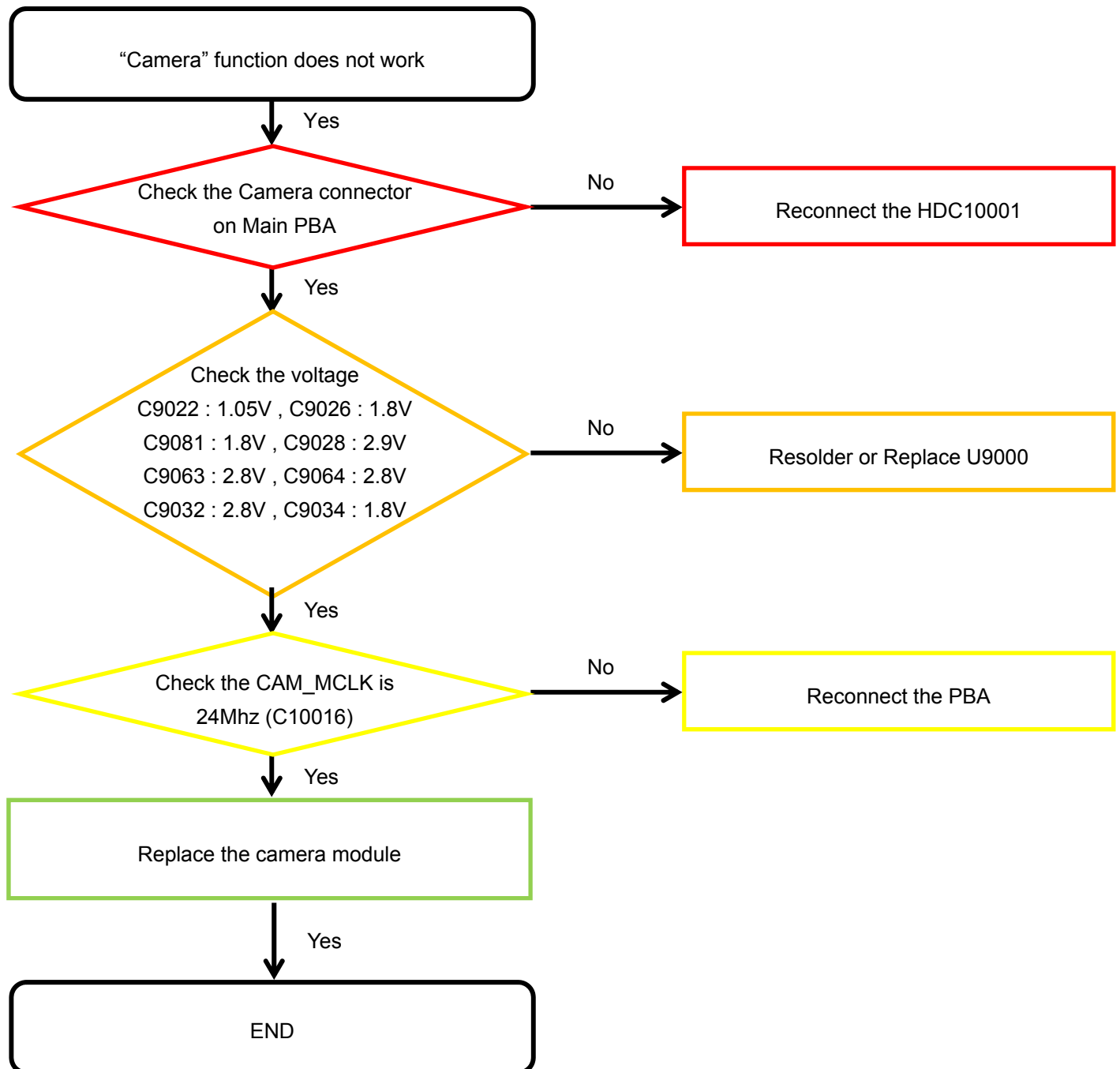
8. Level 3 Repair

8-4-15. VT CAMERA



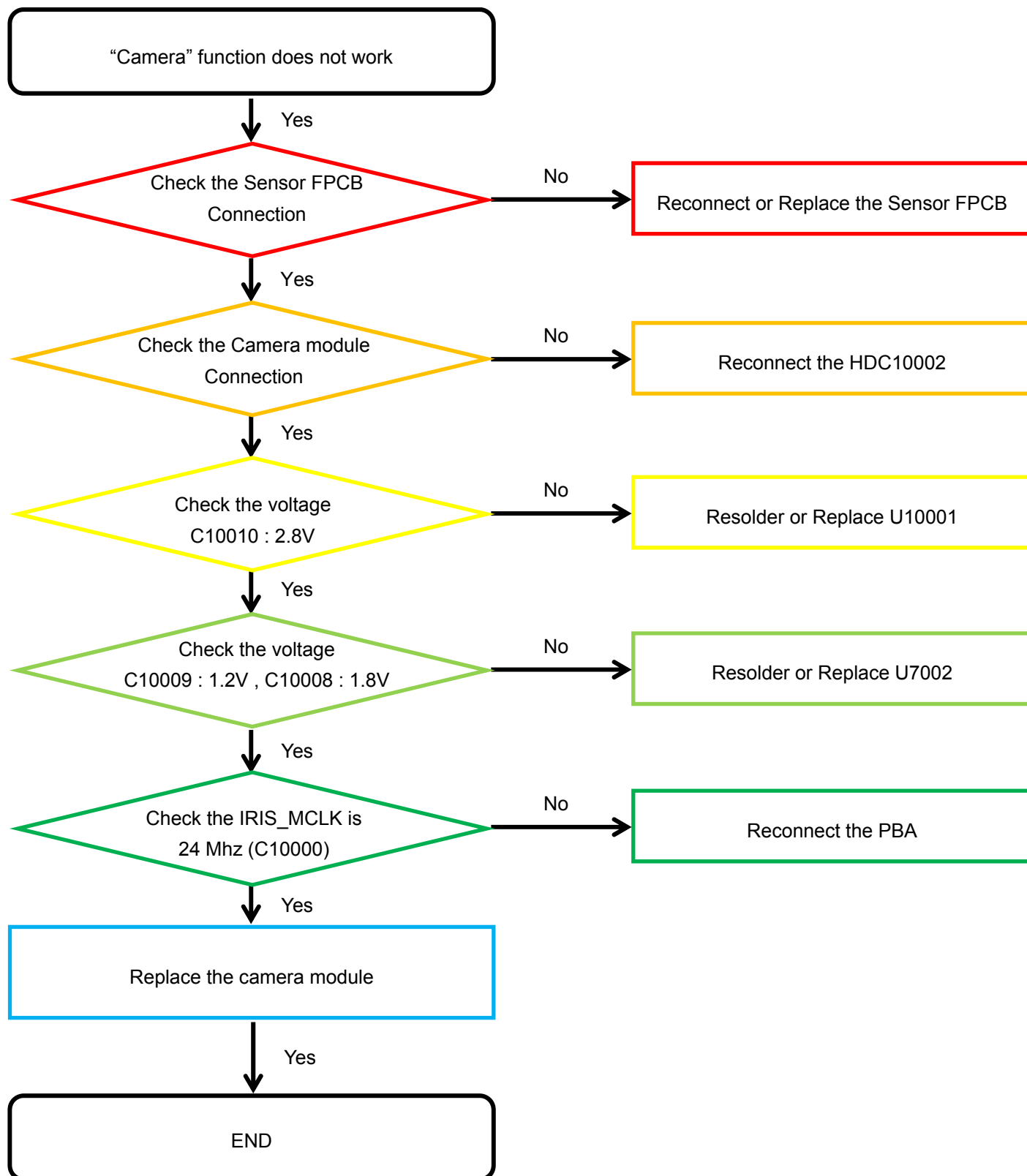
8. Level 3 Repair

8-4-16. 12M CAMERA



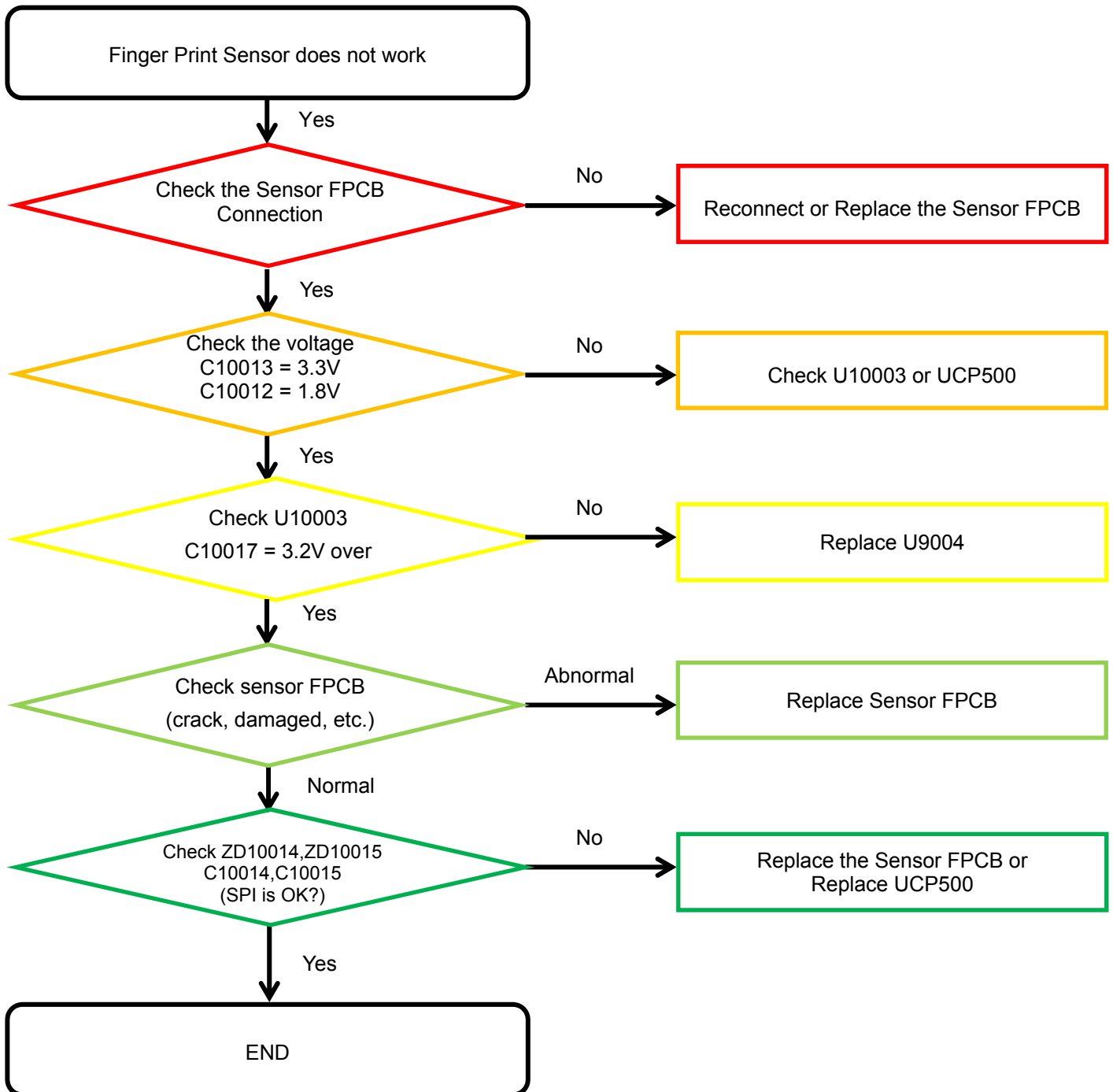
8. Level 3 Repair

8-4-17. IRIS CAMERA



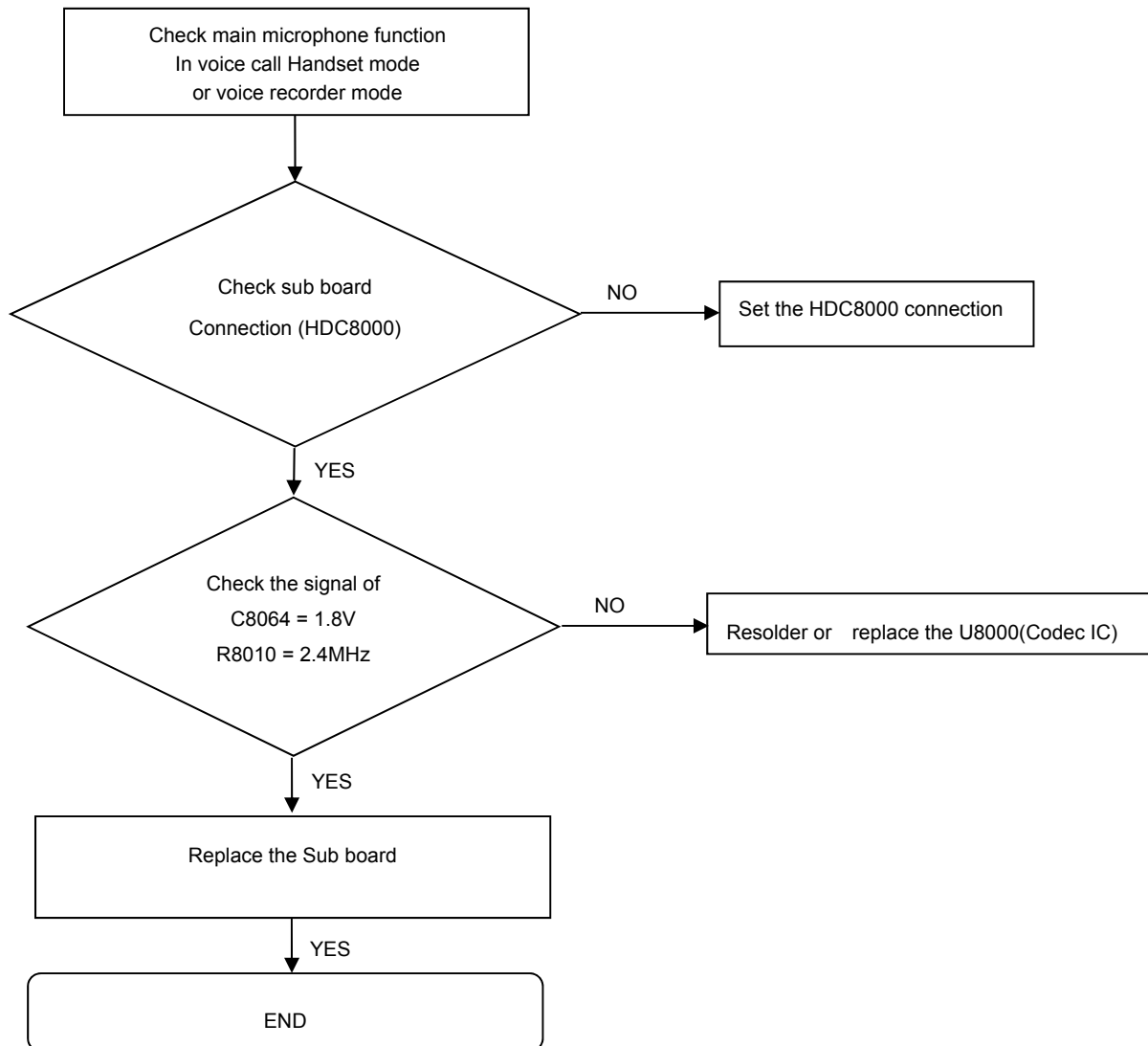
8. Level 3 Repair

8-4-18. Finger Print



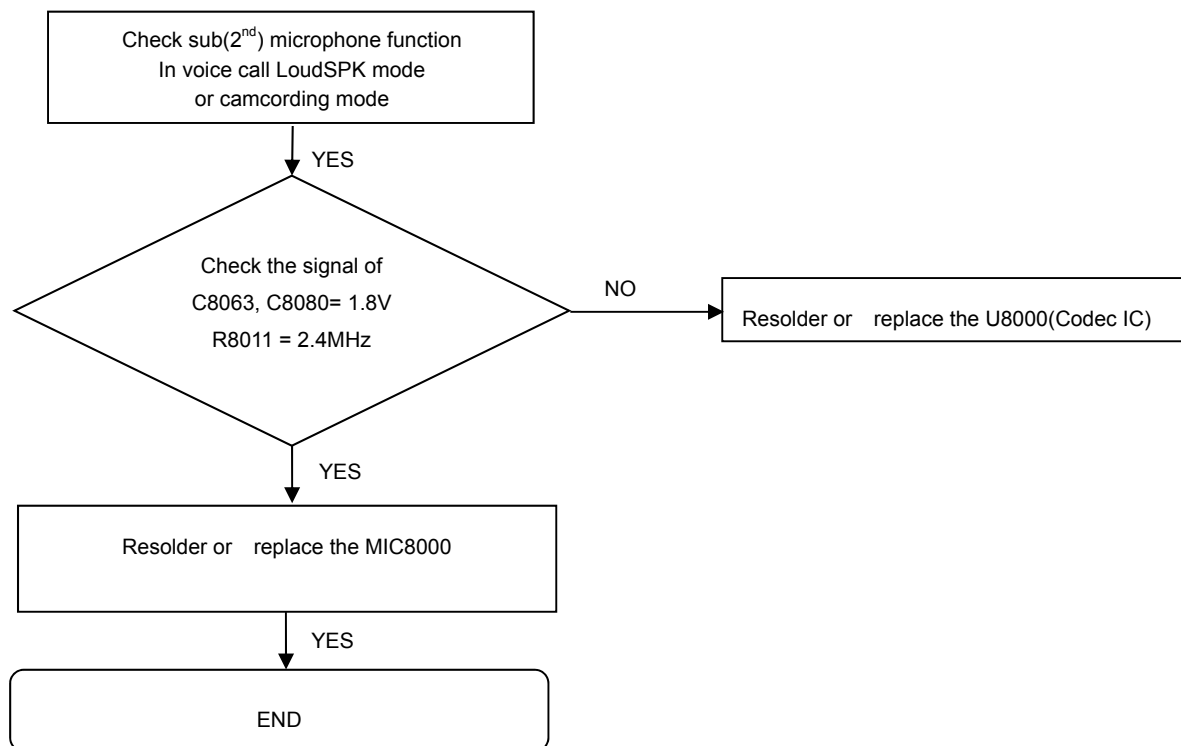
8. Level 3 Repair

8-4-19-1. Main MIC



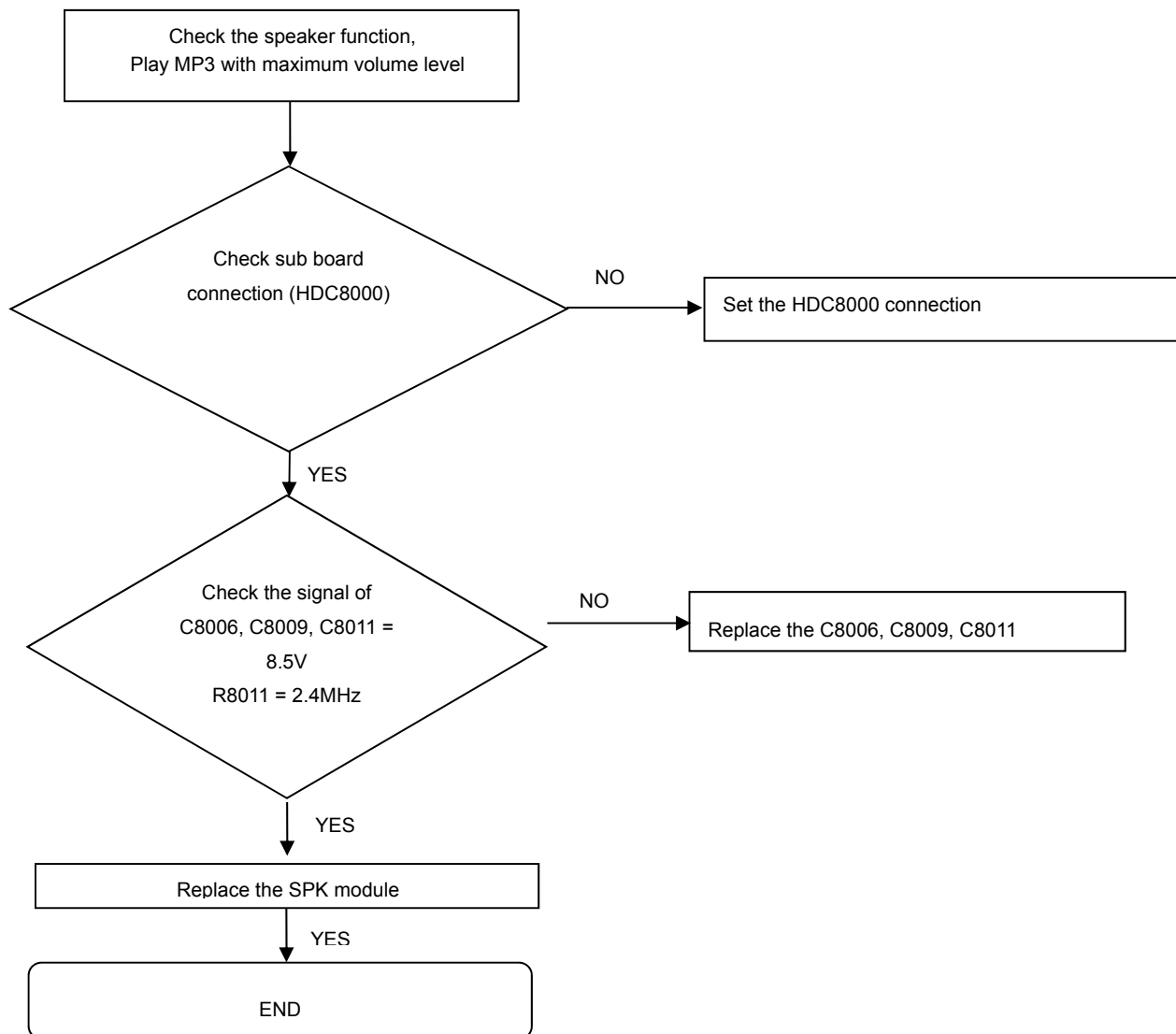
8. Level 3 Repair

8-4-19-2. Sub(2nd) MIC



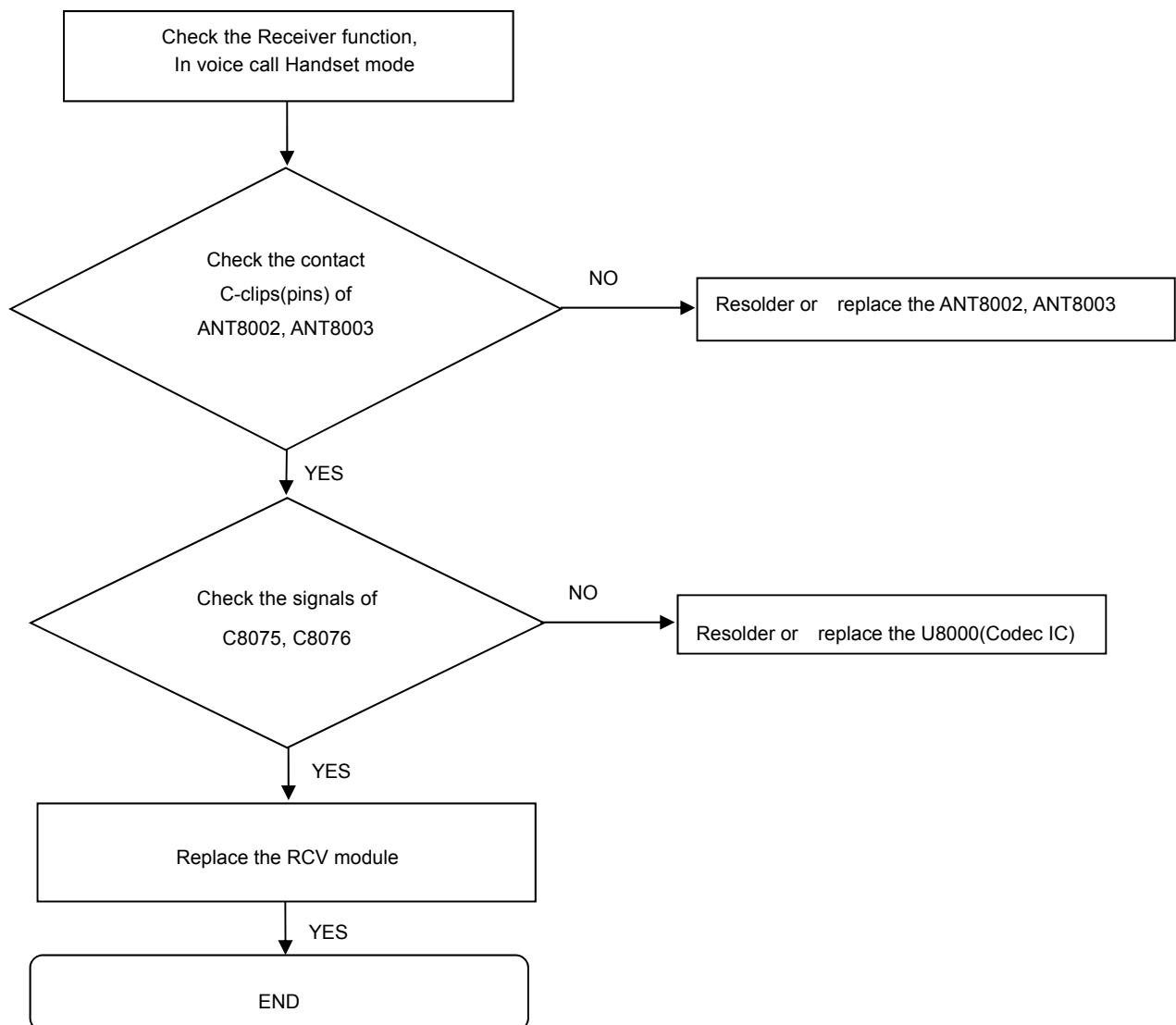
8. Level 3 Repair

8-4-20. Speaker part



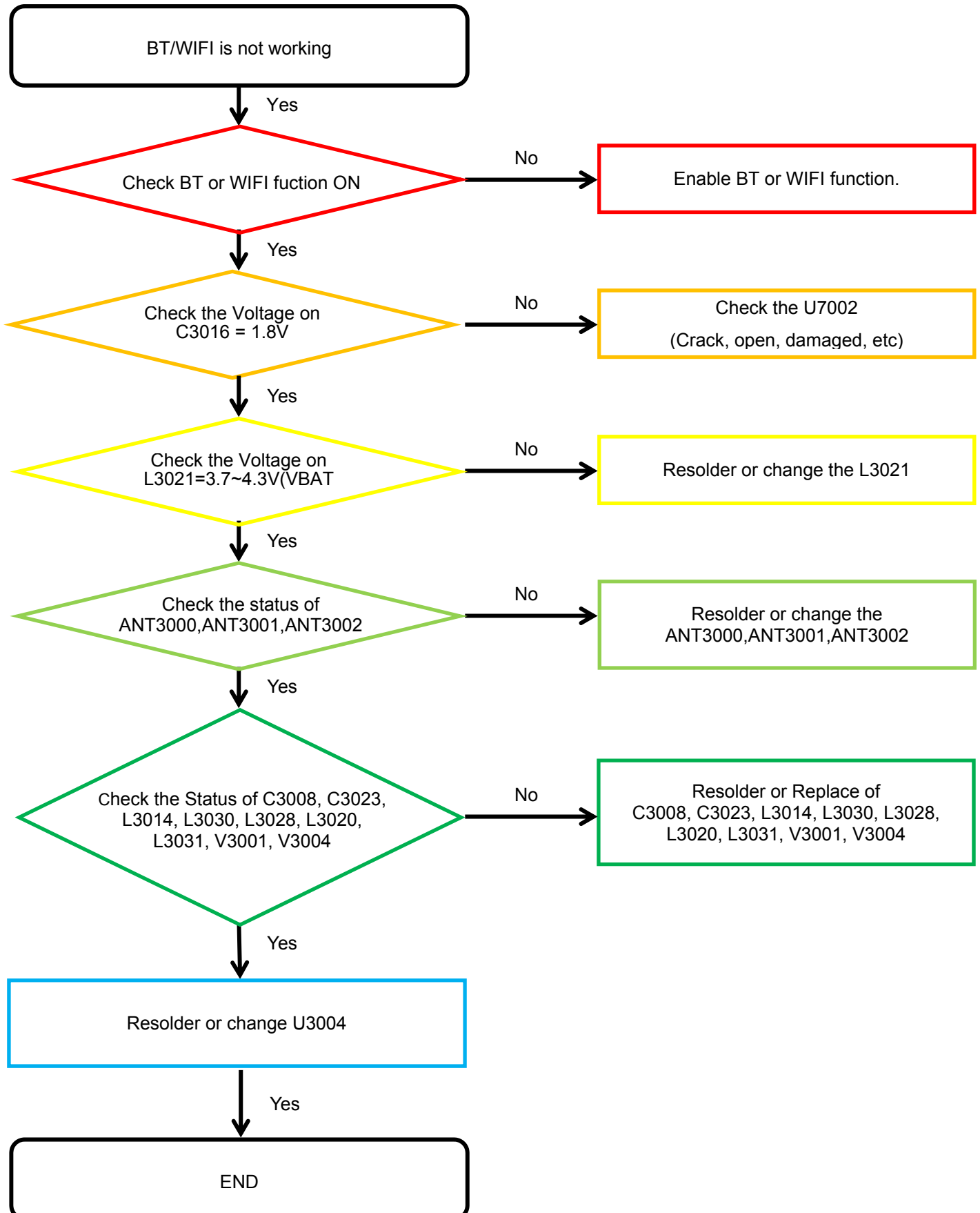
8. Level 3 Repair

8-4-21. Receiver part



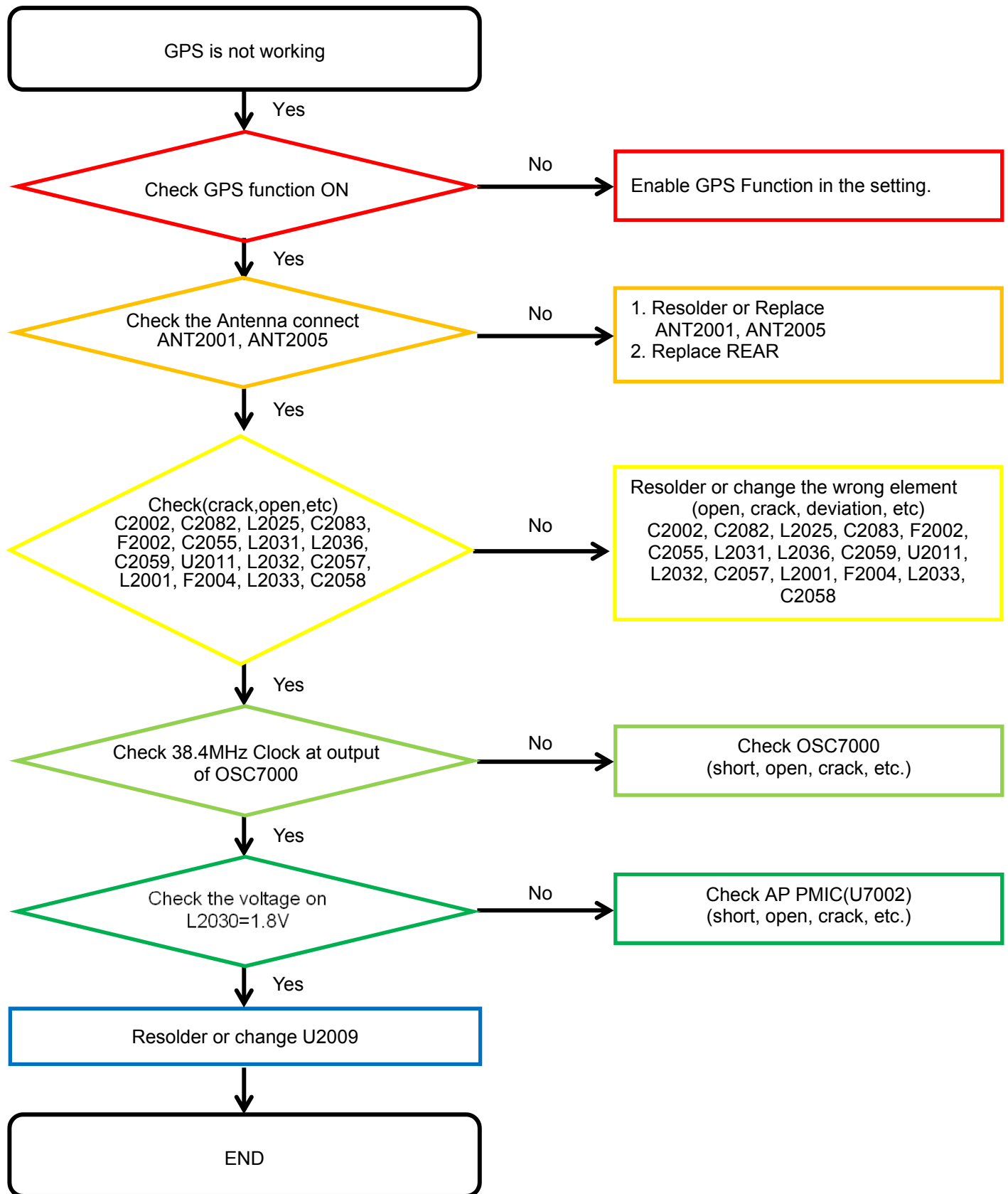
8. Level 3 Repair

8-4-22. BT/WIFI



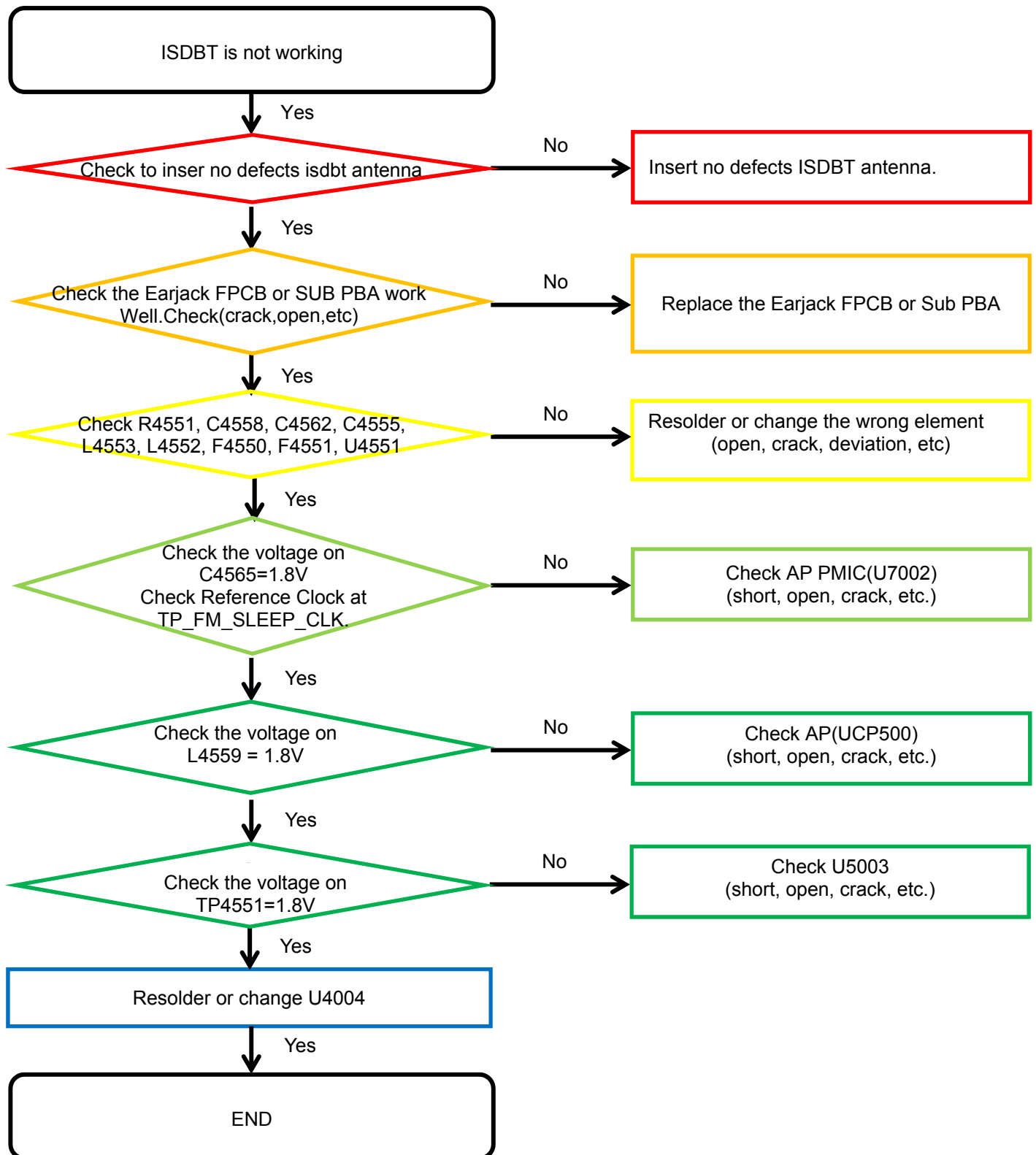
8. Level 3 Repair

8-4-23. GPS



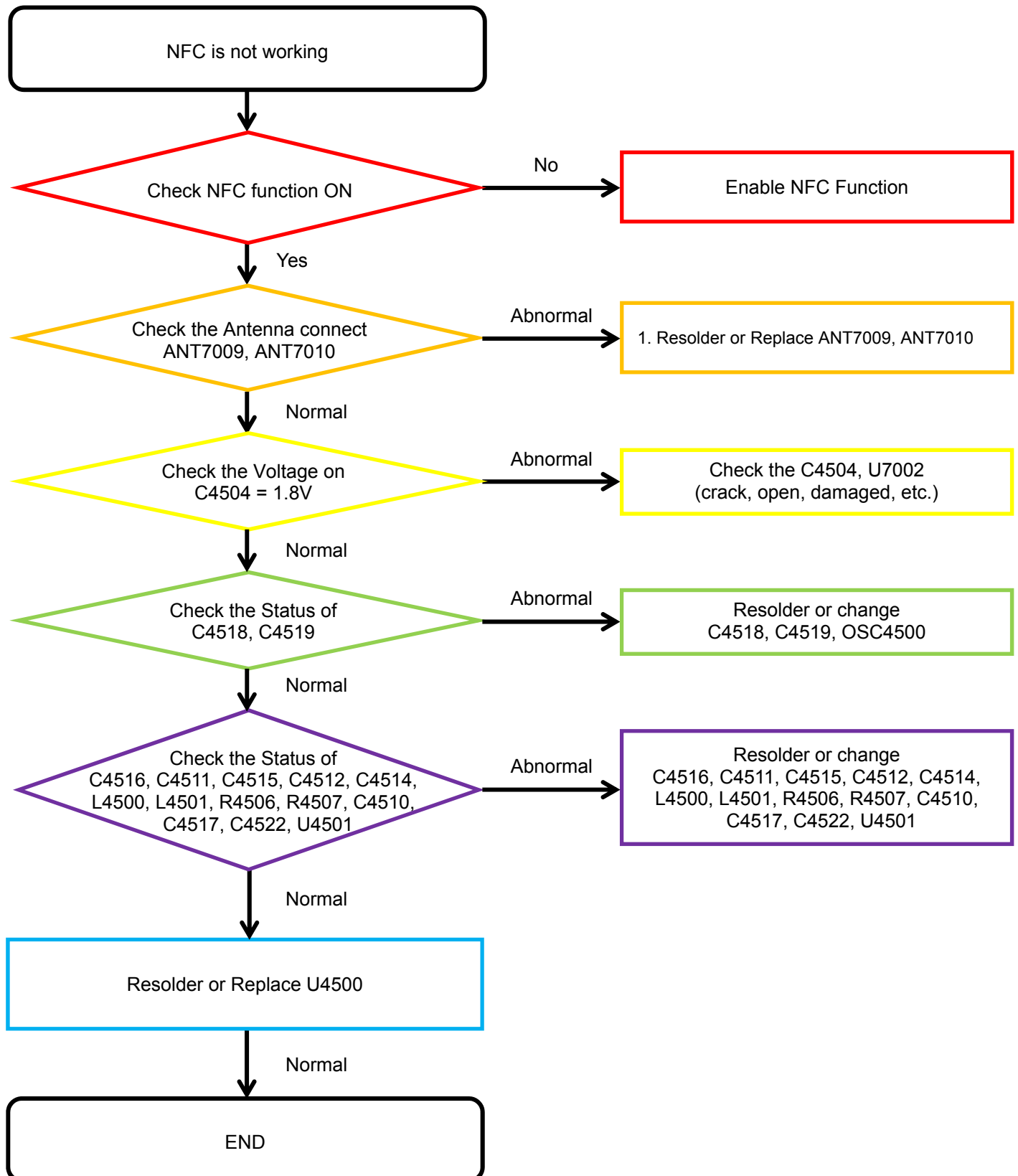
8. Level 3 Repair

8-4-24. ISDBT



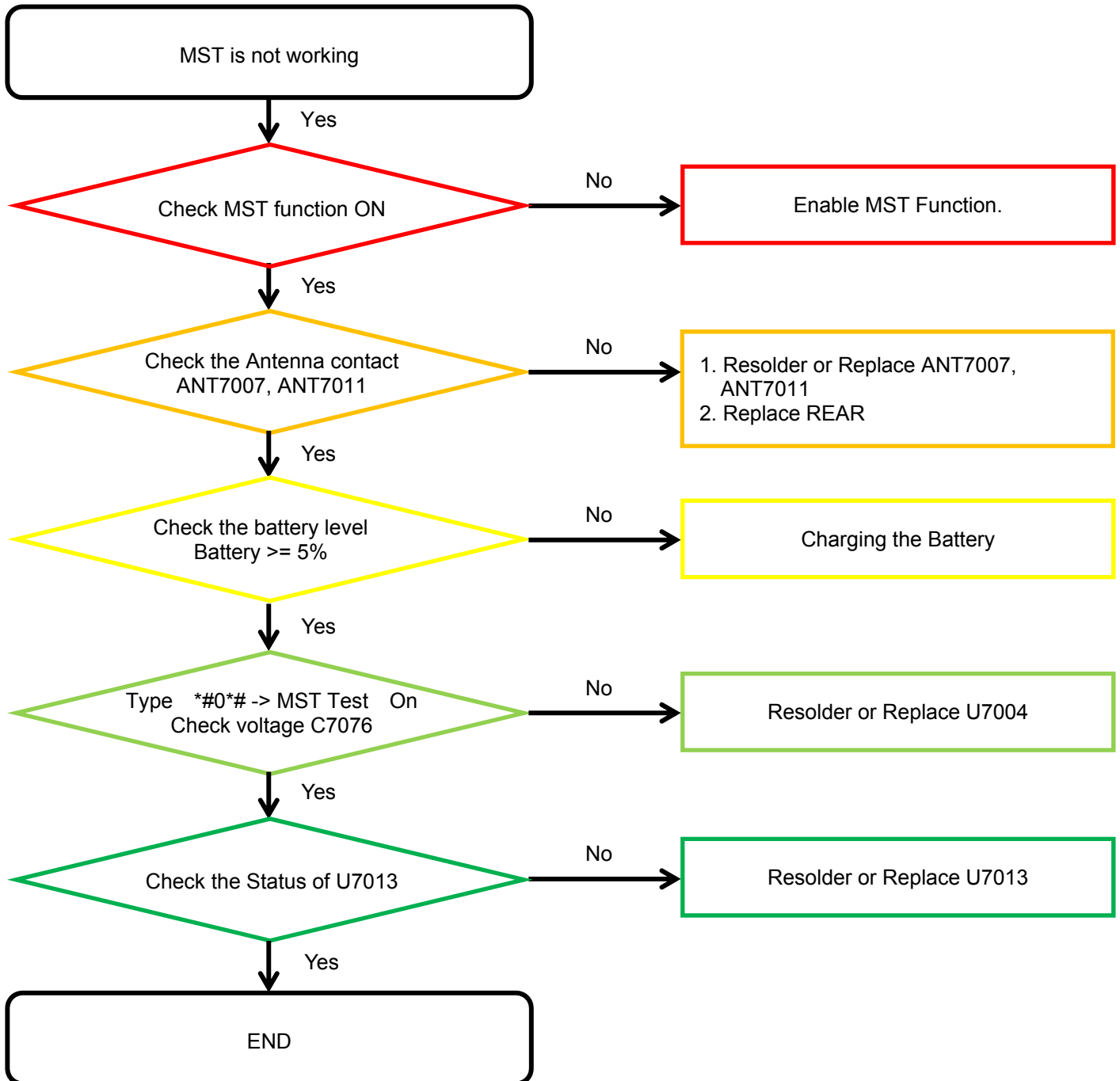
8. Level 3 Repair

8-4-25. NFC



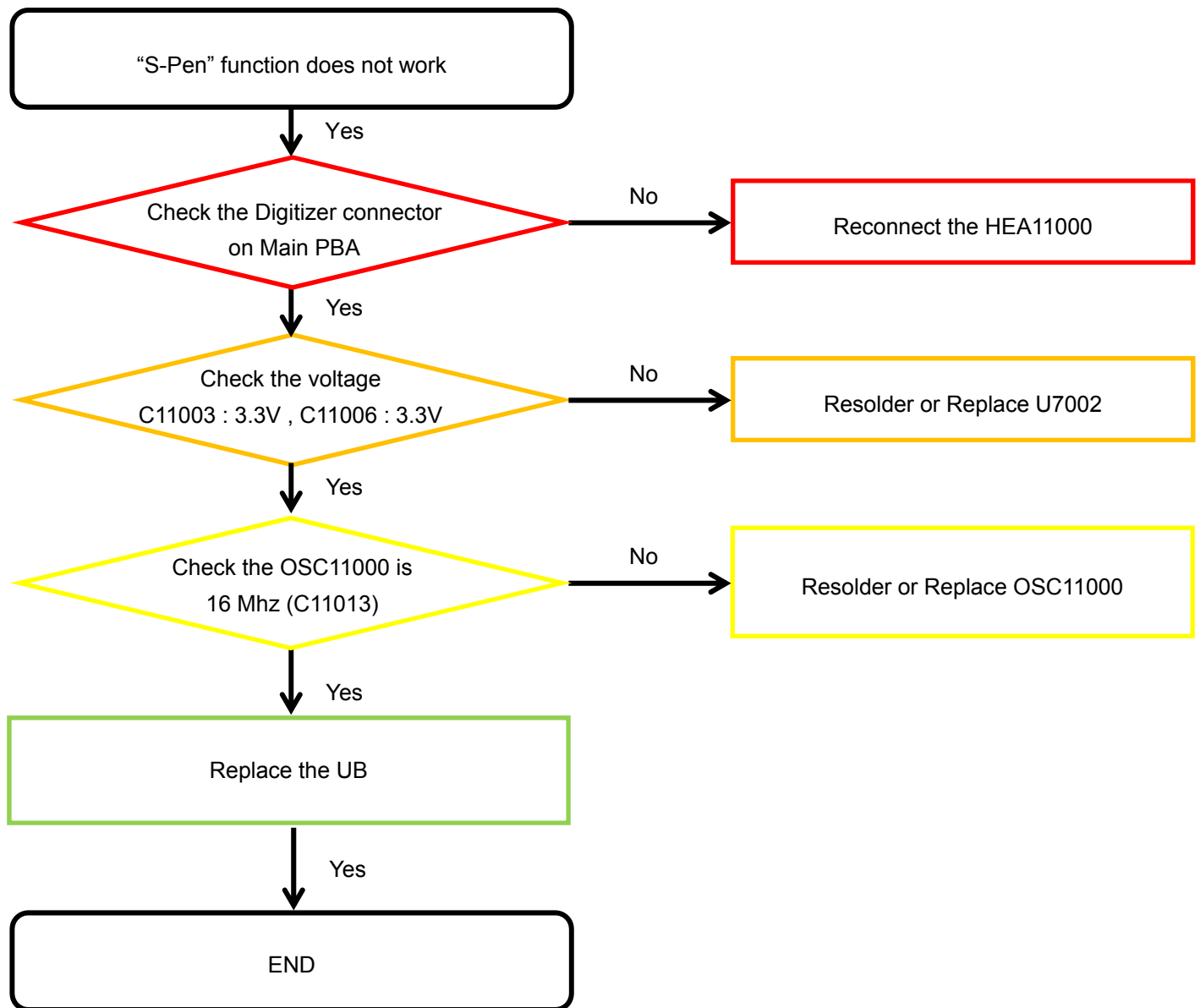
8. Level 3 Repair

8-4-26. MST



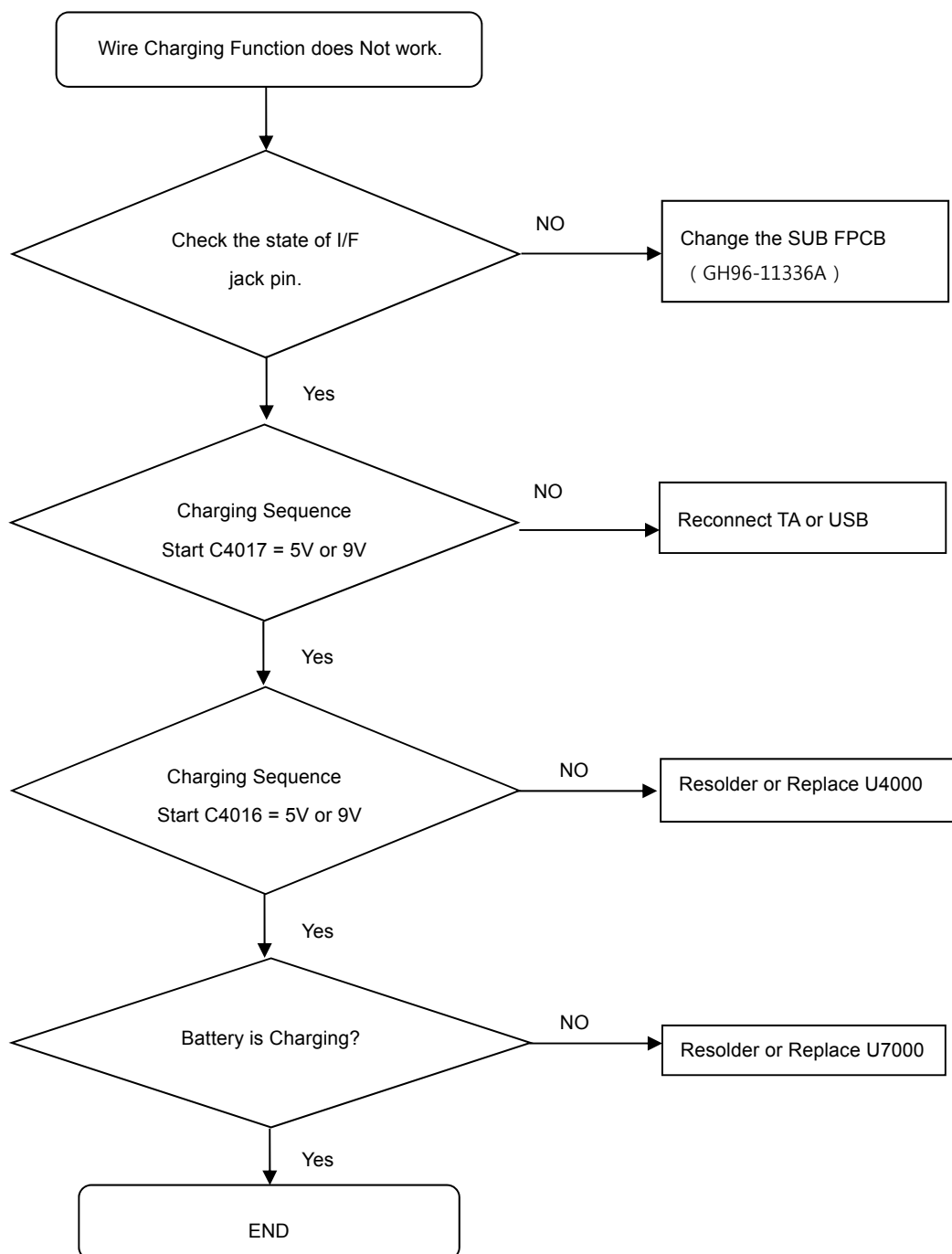
8. Level 3 Repair

8-4-27. SPEN



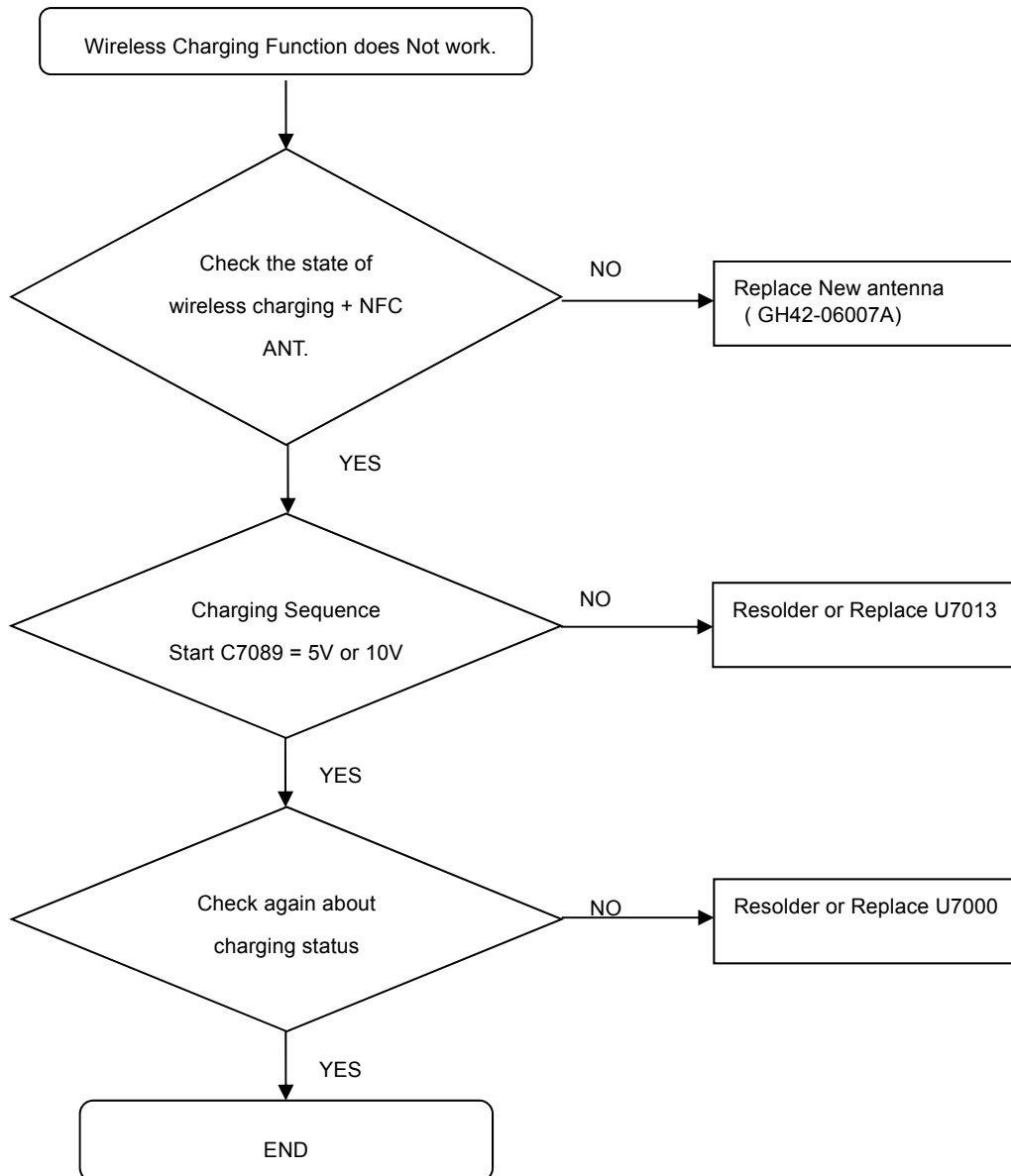
8. Level 3 Repair

8-4-28. Charging Part Wire Charging (Normal, Fast)



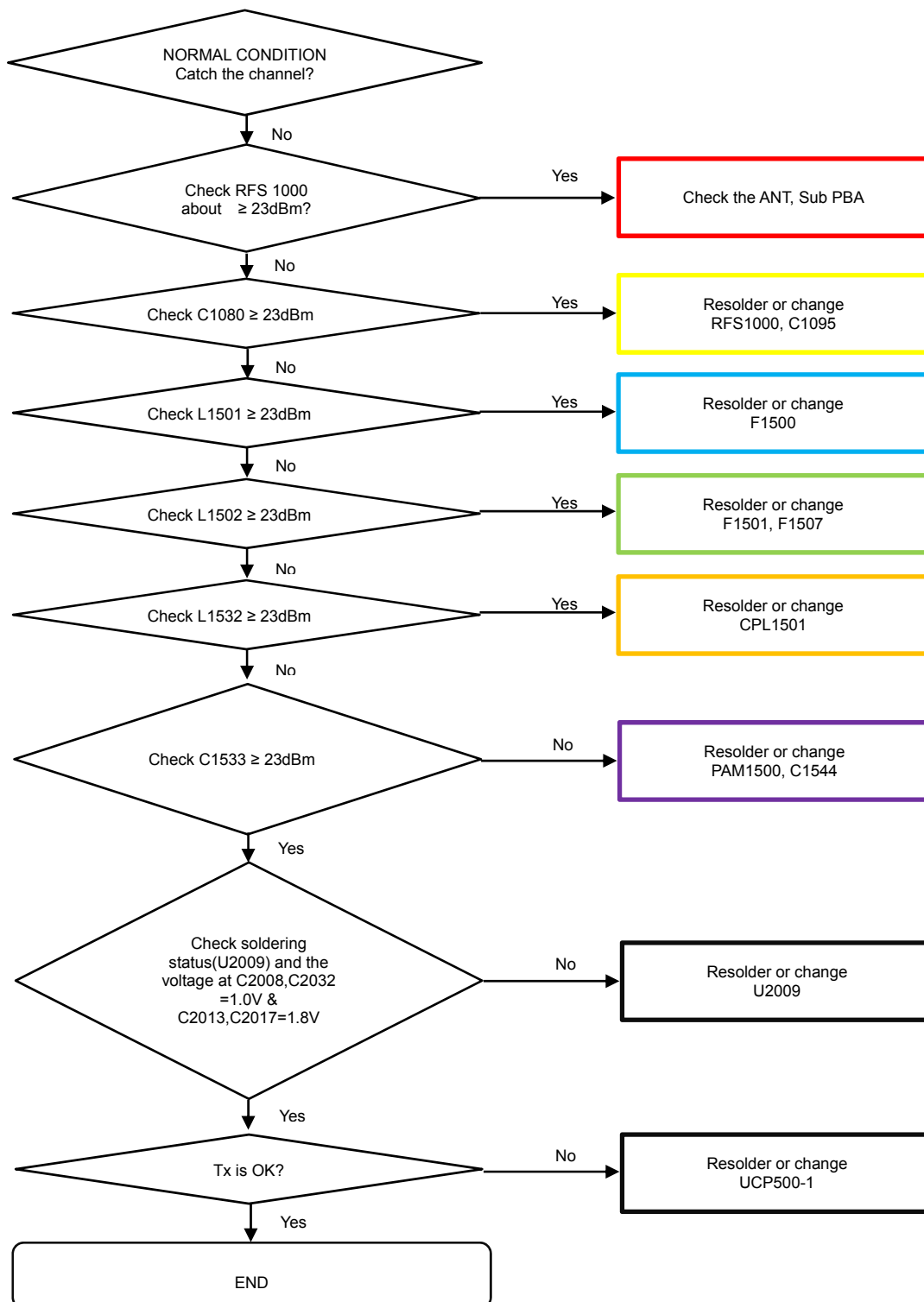
8. Level 3 Repair

Wireless Charging



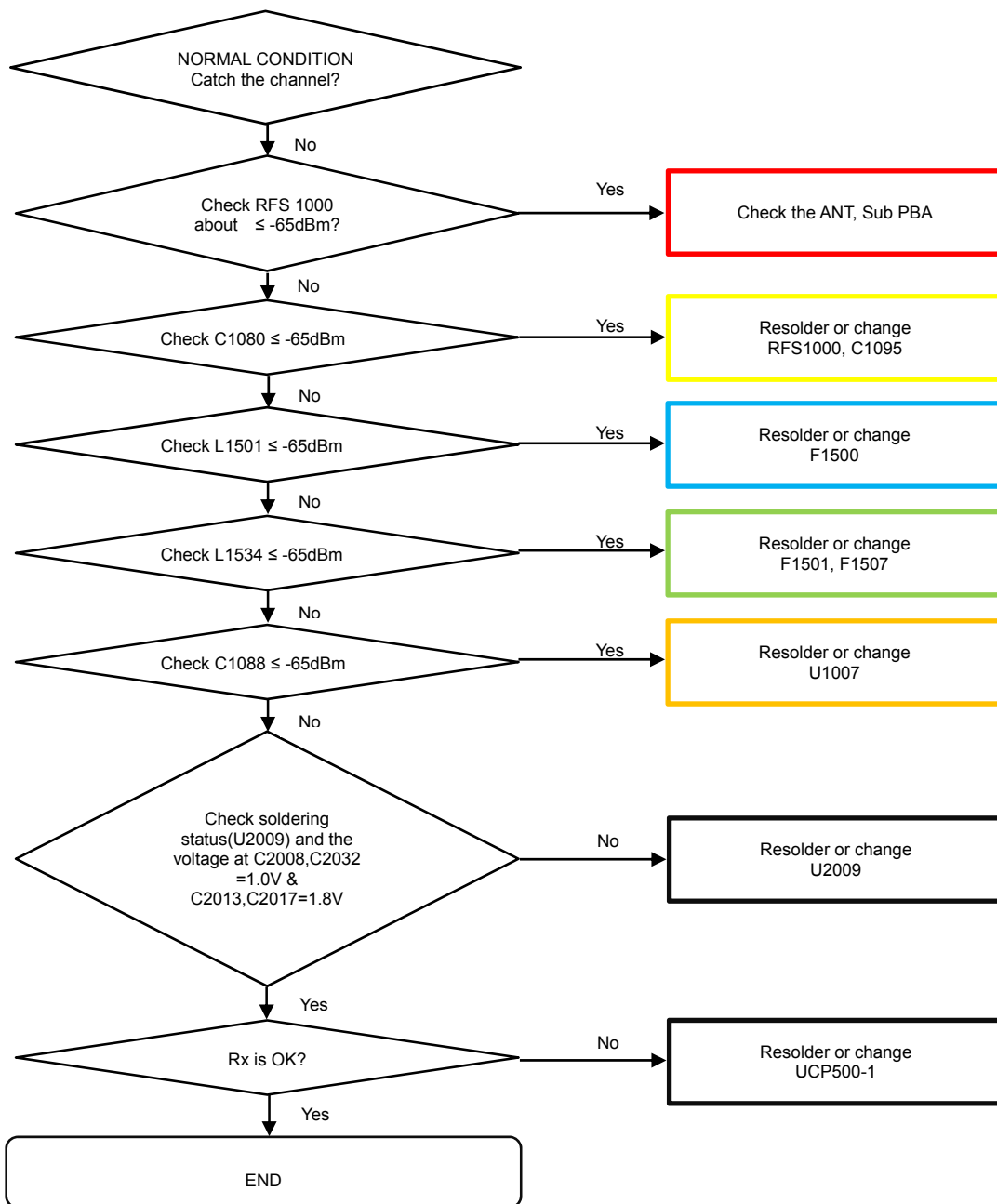
8. Level 3 Repair

8-4-29. LTE B21 TX



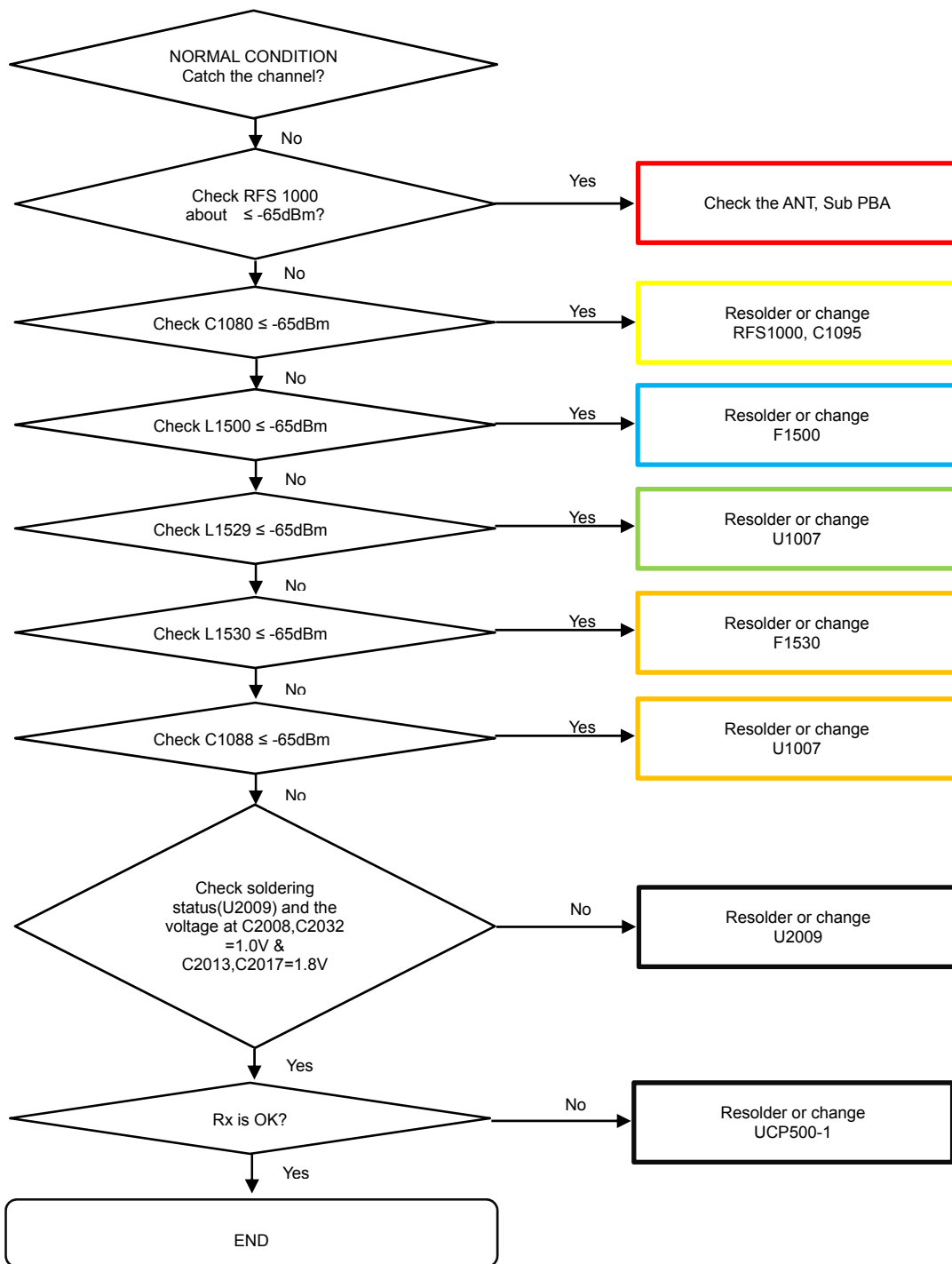
8. Level 3 Repair

8-4-30. LTE B21 RX



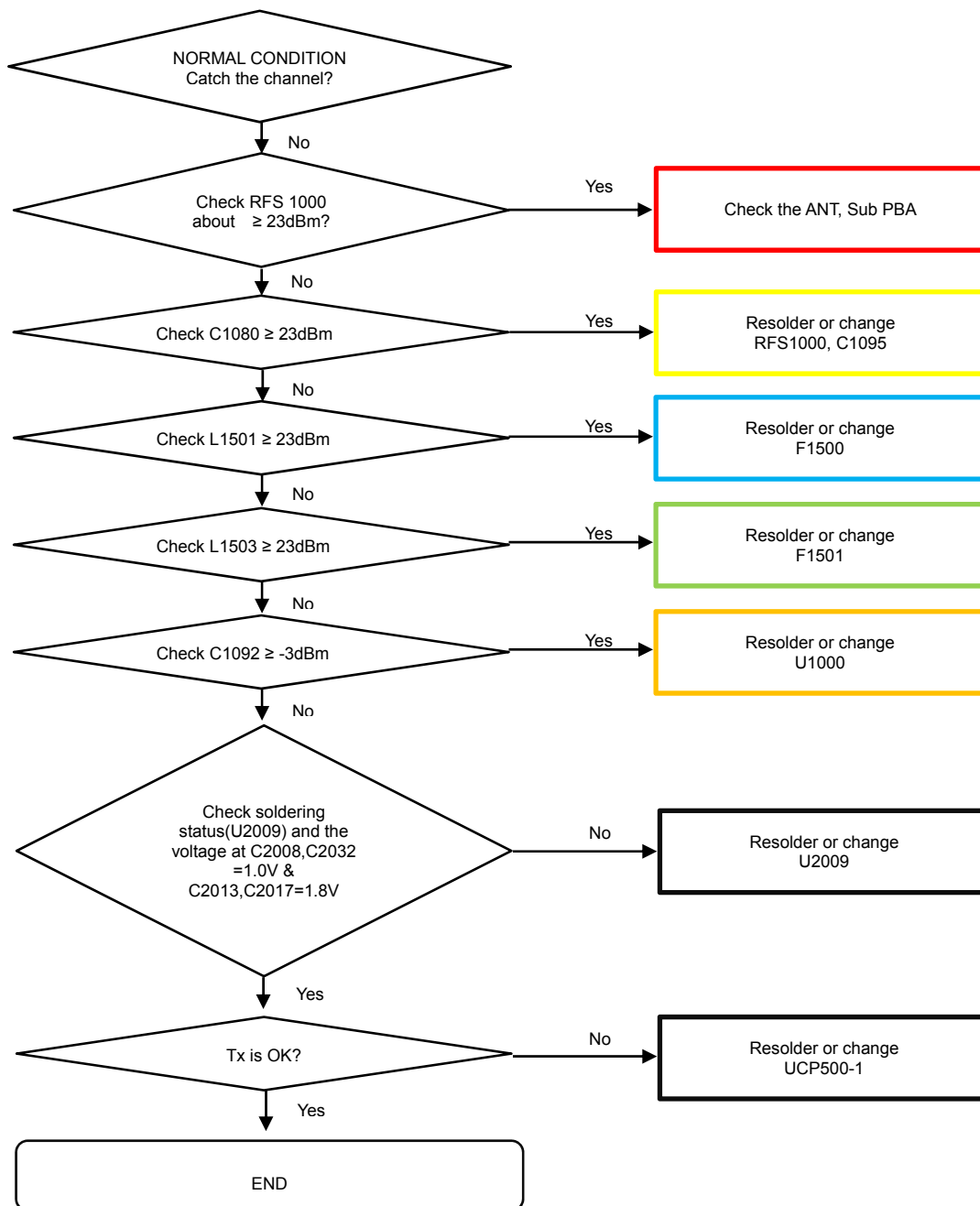
8. Level 3 Repair

8-4-31. LTE B39 RX



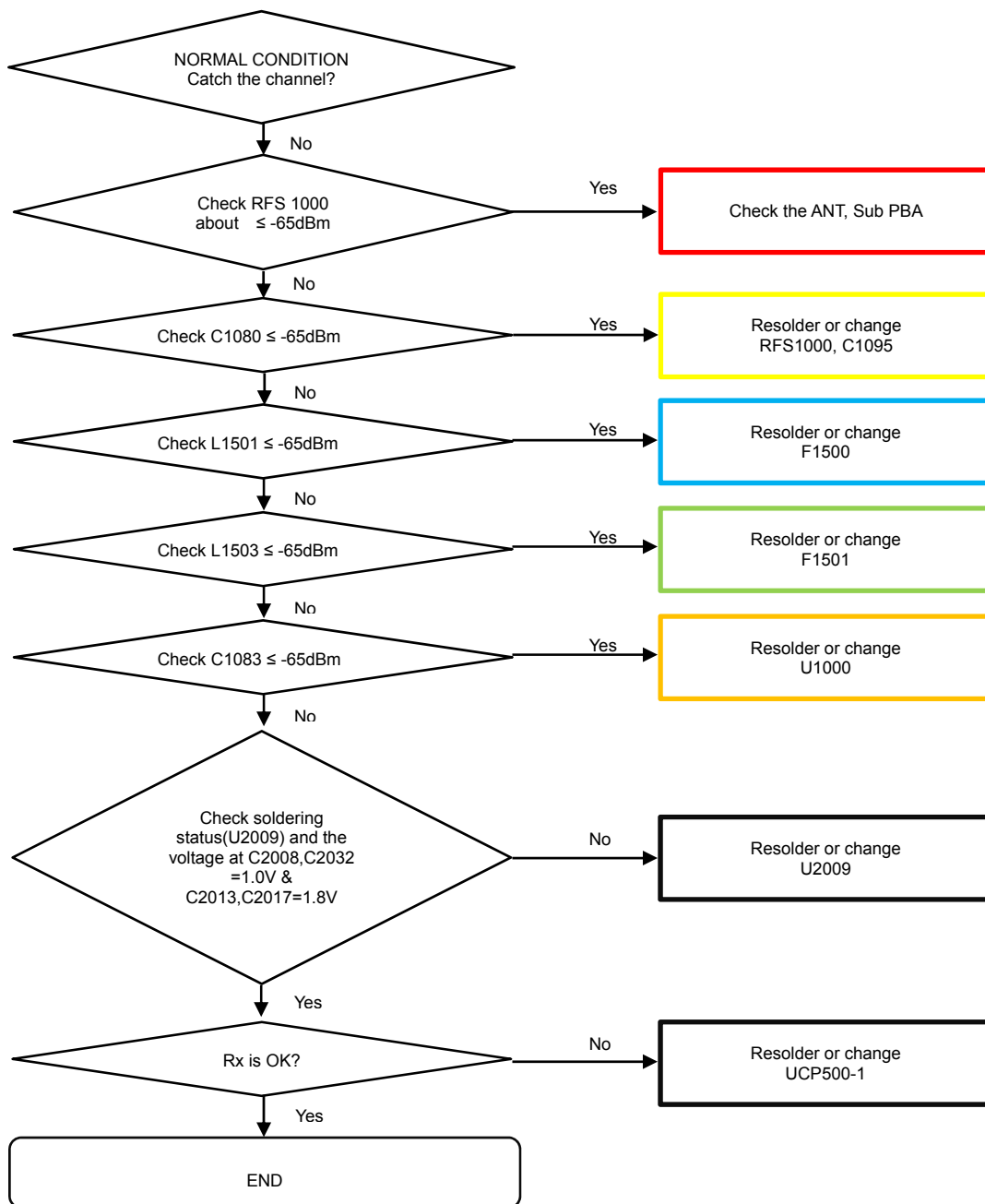
8. Level 3 Repair

8-4-32. WB5/6/19 / LTE B5/12/17/19/26/28 TX



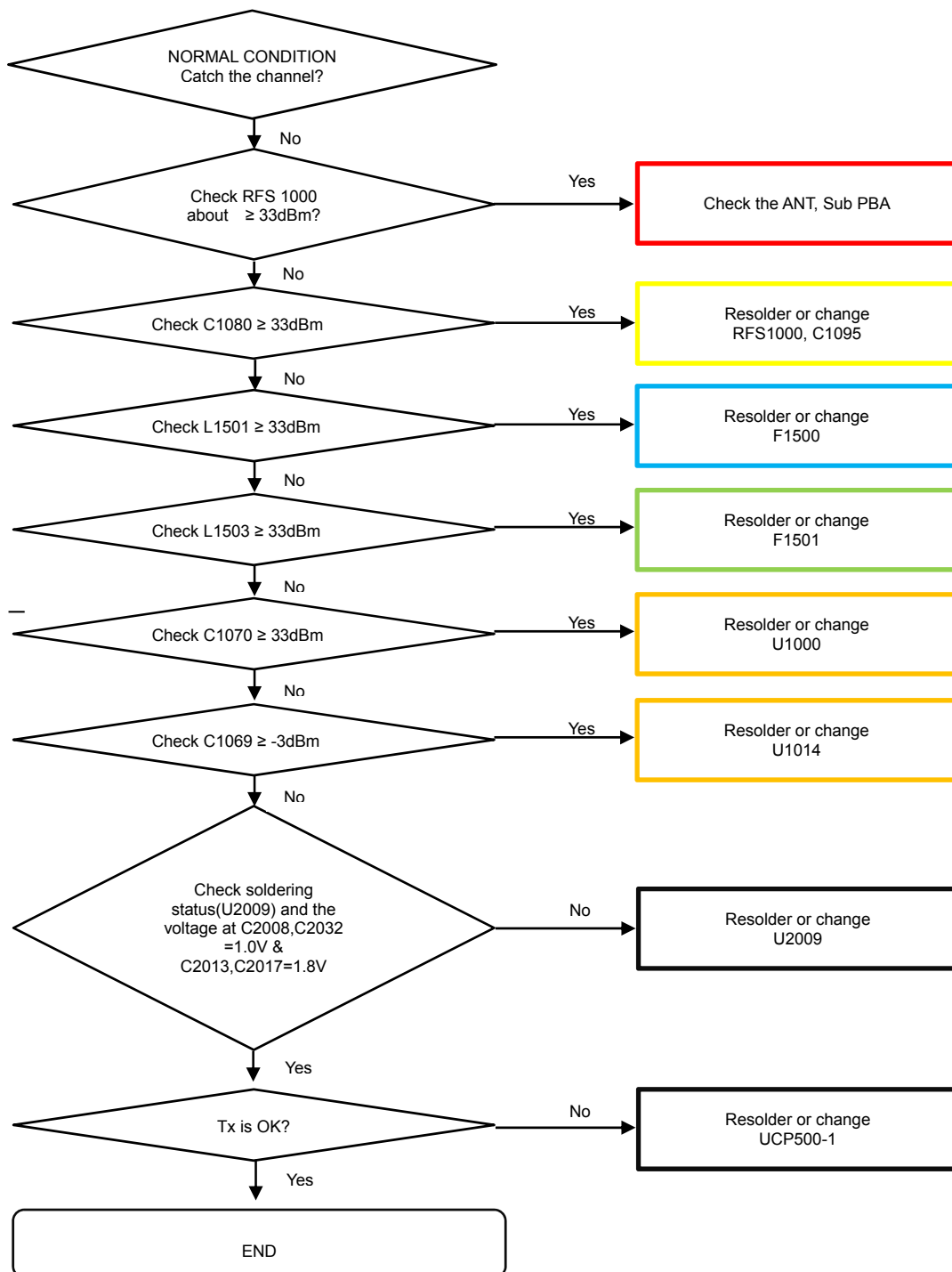
8. Level 3 Repair

8-4-33. GSM 850/900, WCDMA B5/6/19, LTE B5/12/13/17/19/26/28 RX



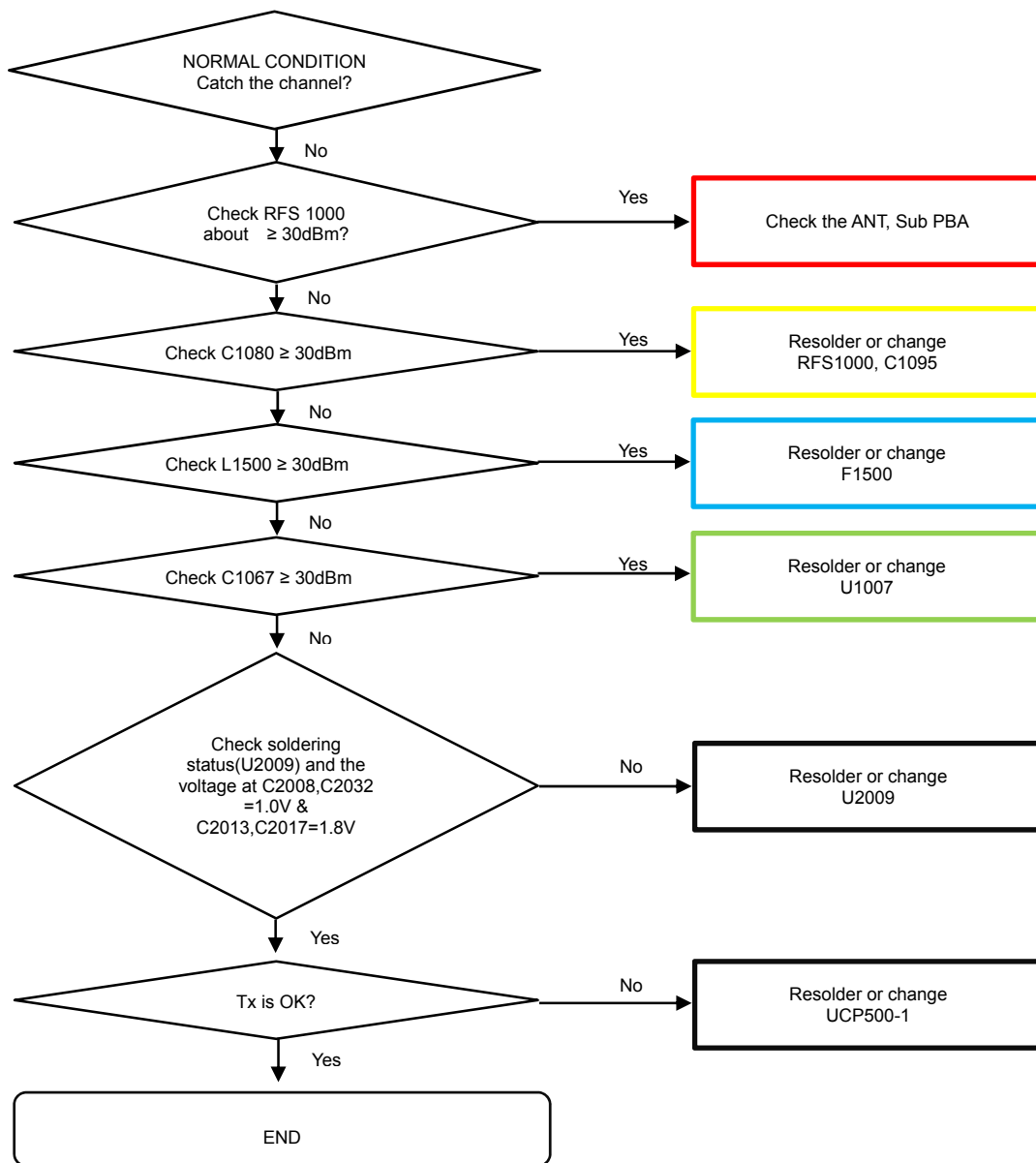
8. Level 3 Repair

8-4-34. GSM 850/900 TX



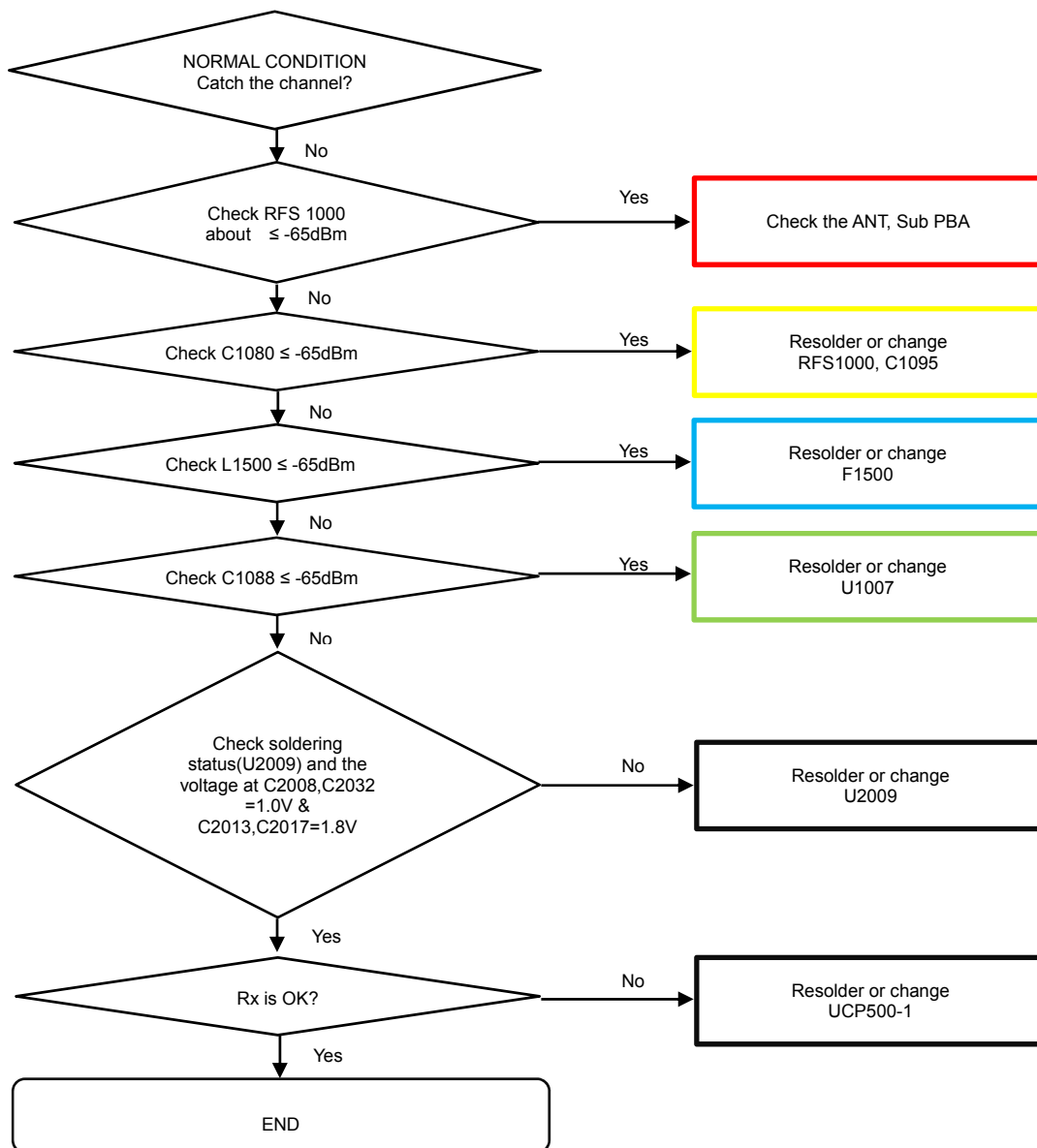
8. Level 3 Repair

8-4-35. GSM 1800/1900 TX



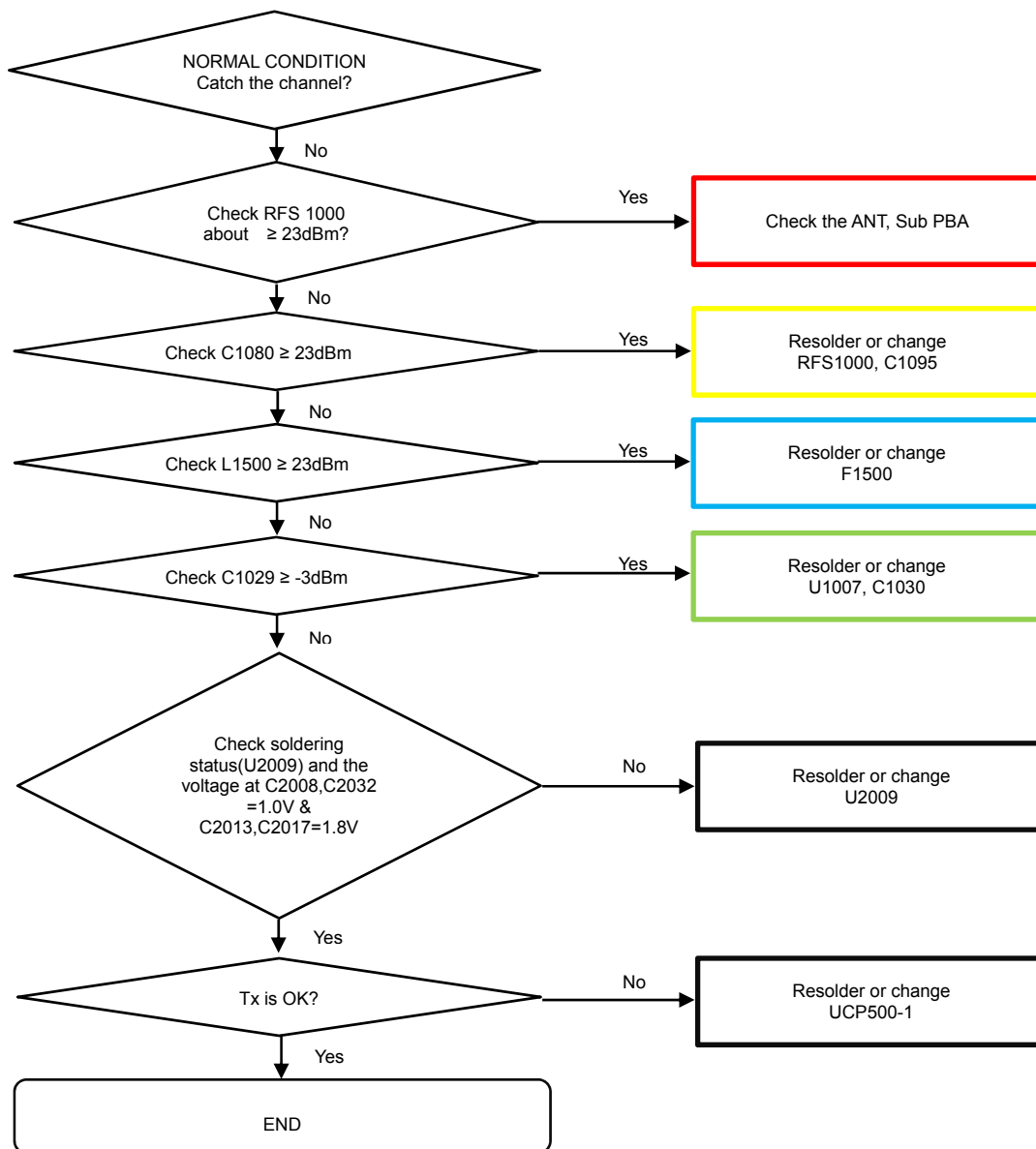
8. Level 3 Repair

8-4-36. GSM 1800/1900, WCDMA B1, LTE B1/3/4 RX



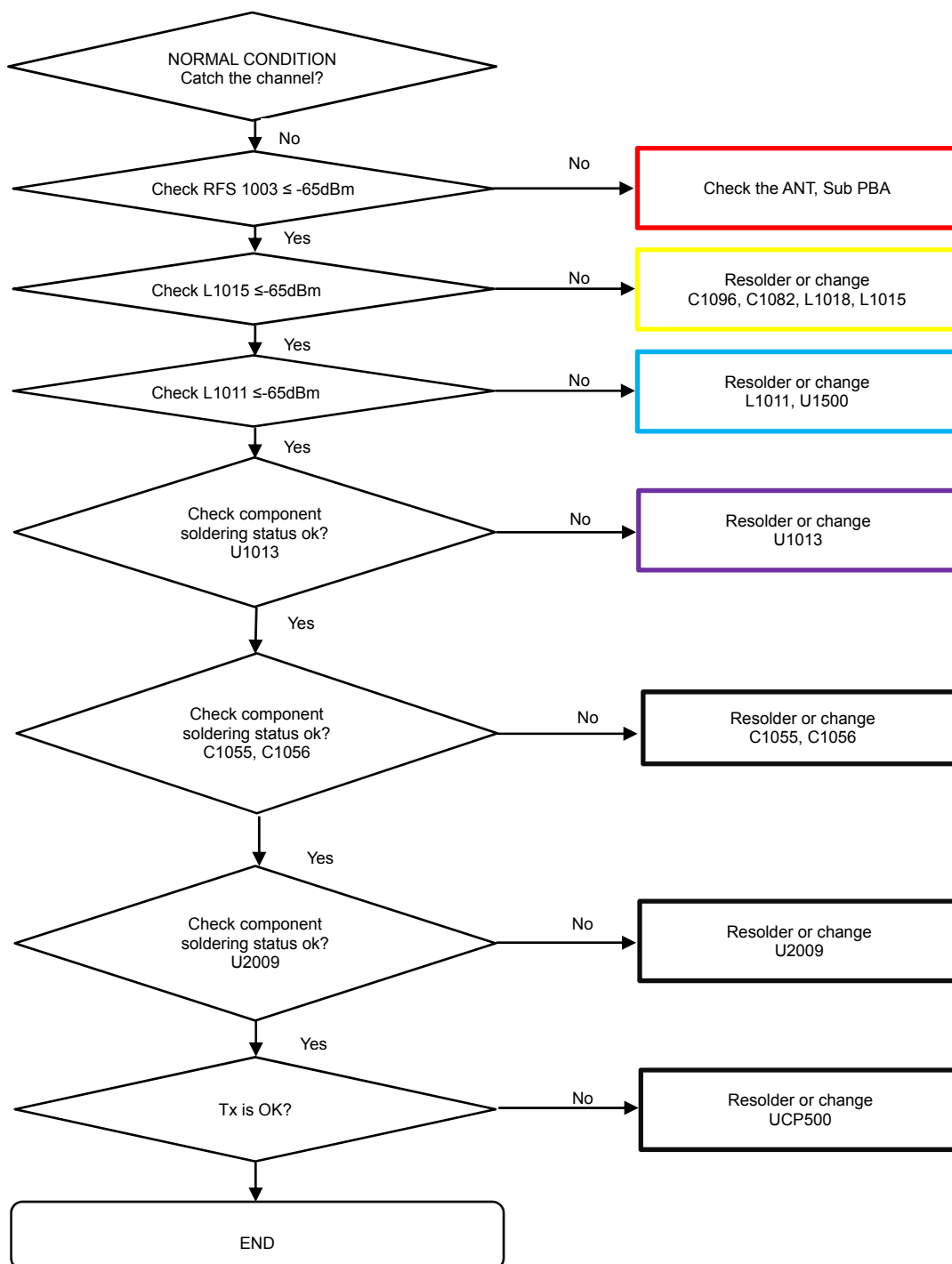
8. Level 3 Repair

8-4-37. WB1 / LTE B1/3/4/39 TX



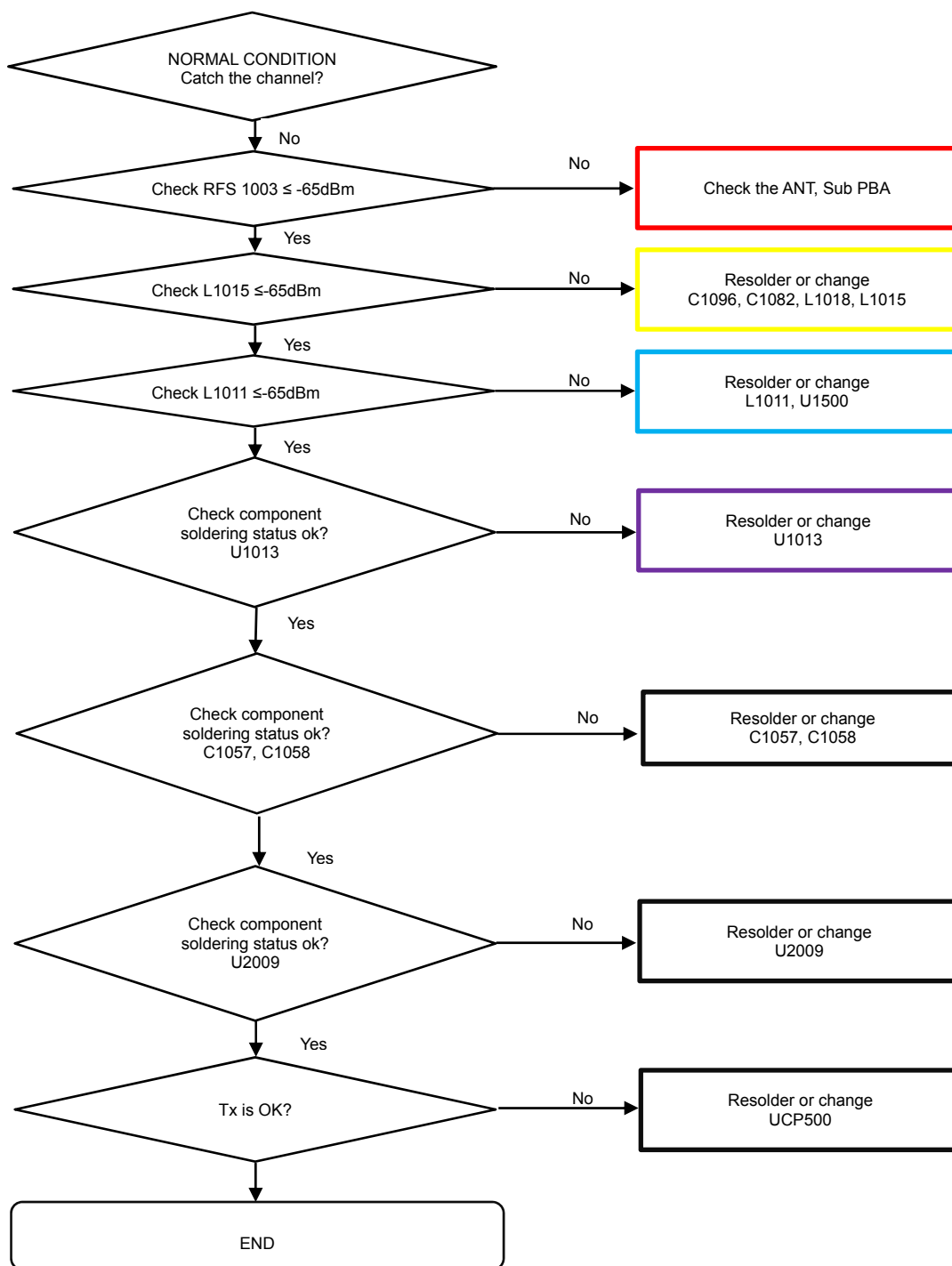
8. Level 3 Repair

8-4-38. LTE B7 TX



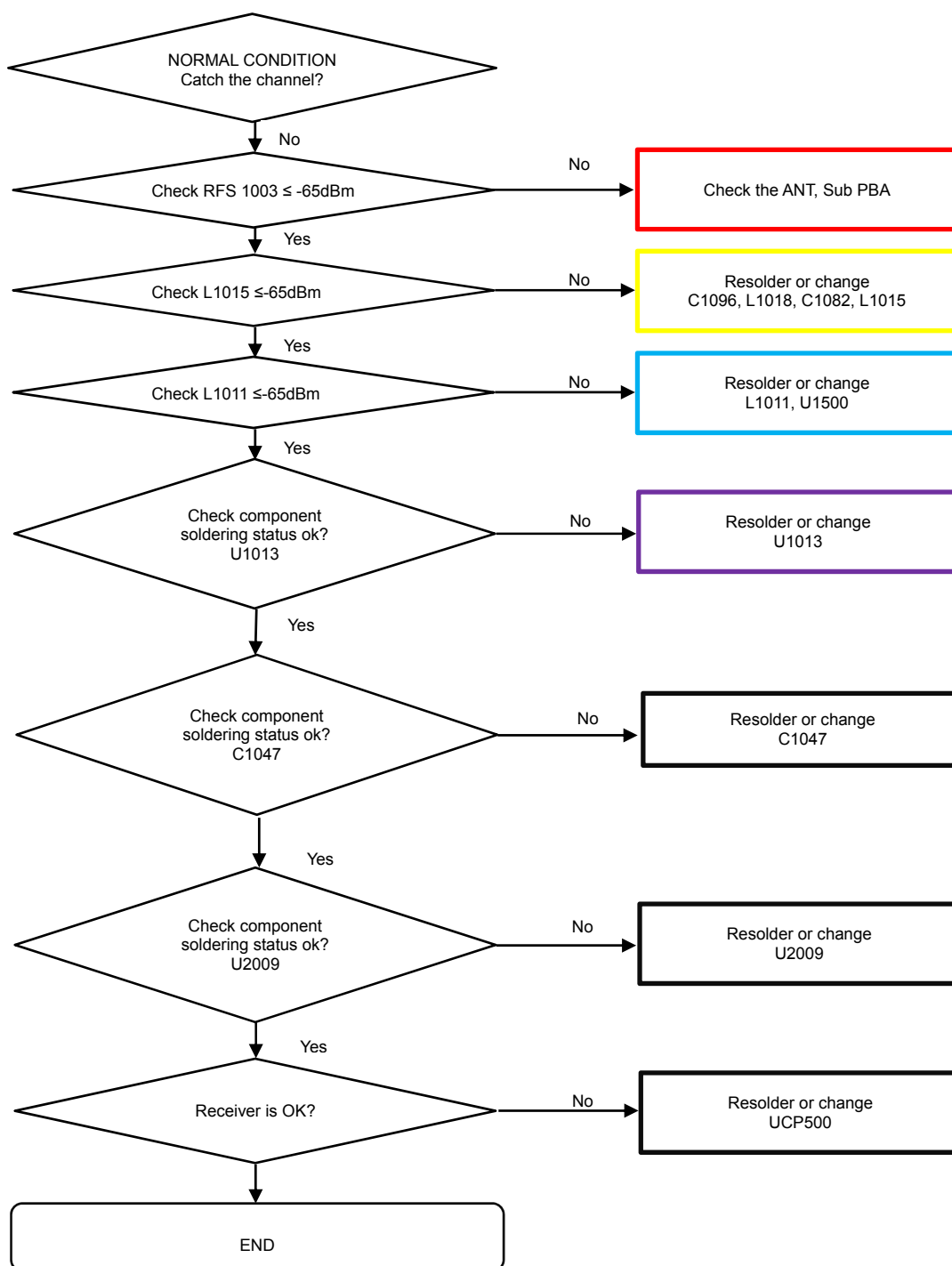
8. Level 3 Repair

8-4-39. LTE B38 B40 B41 TX



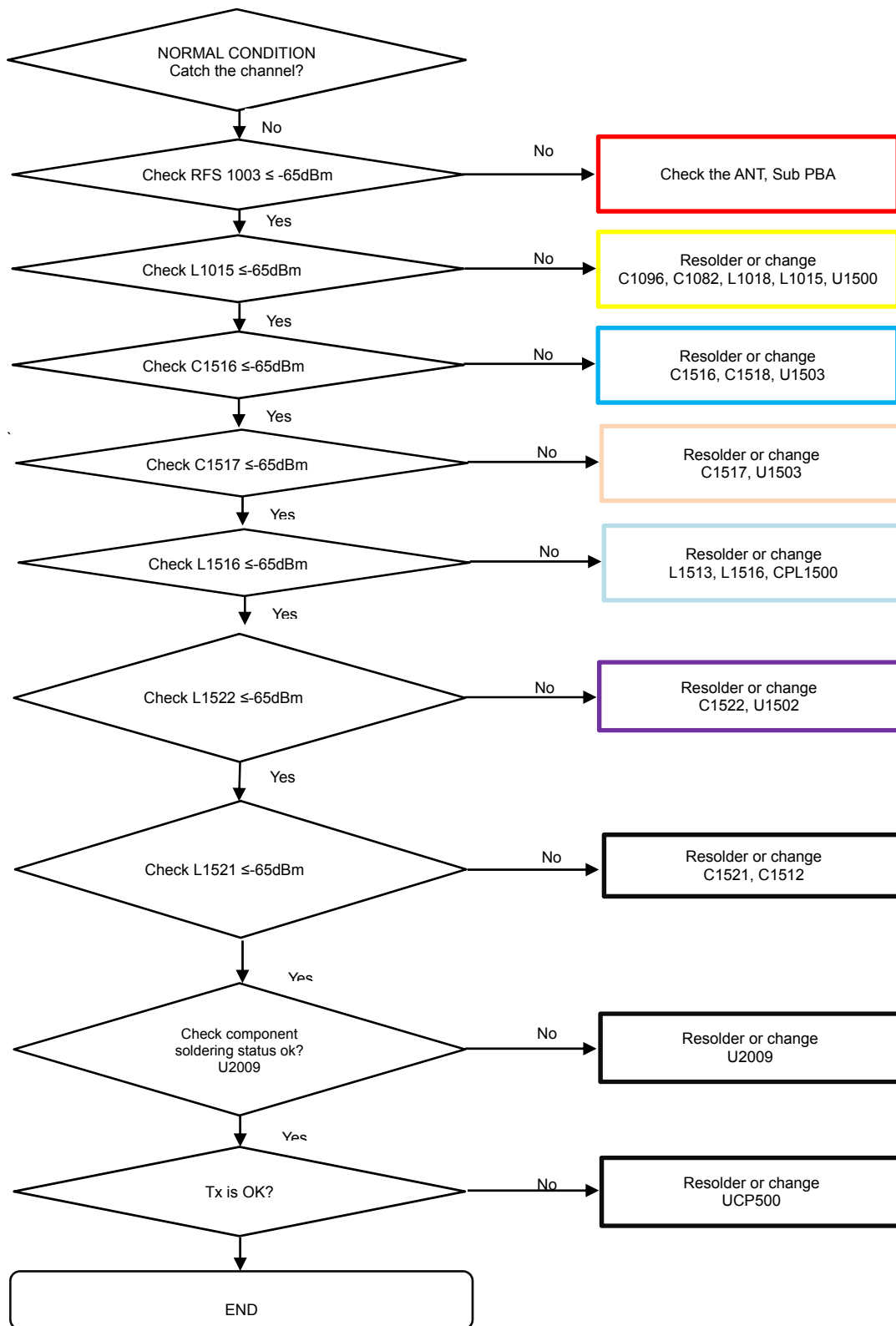
8. Level 3 Repair

8-4-40. LTE B7 B38 B40 B41 RX



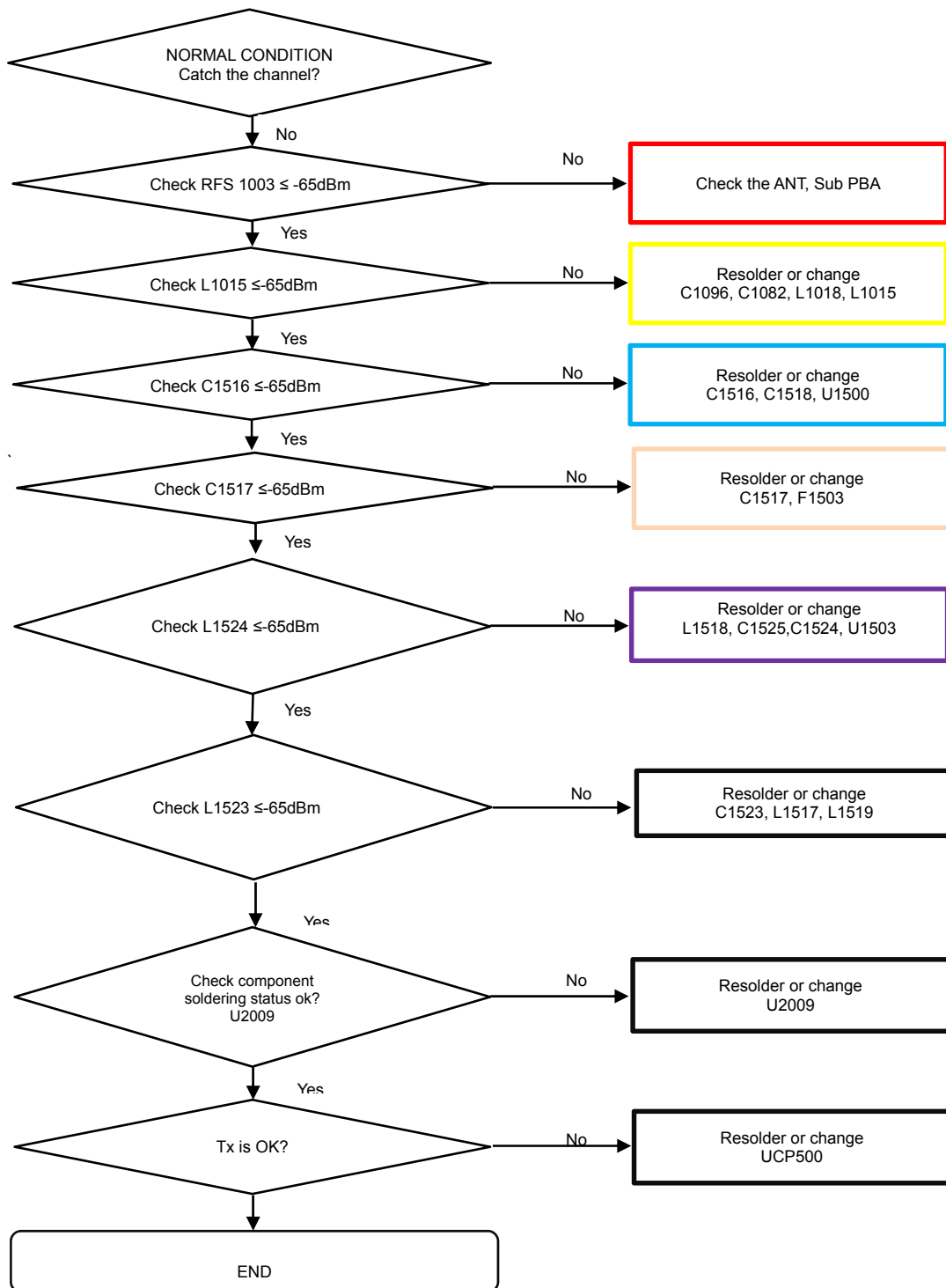
8. Level 3 Repair

8-4-41. LTE B42 TX



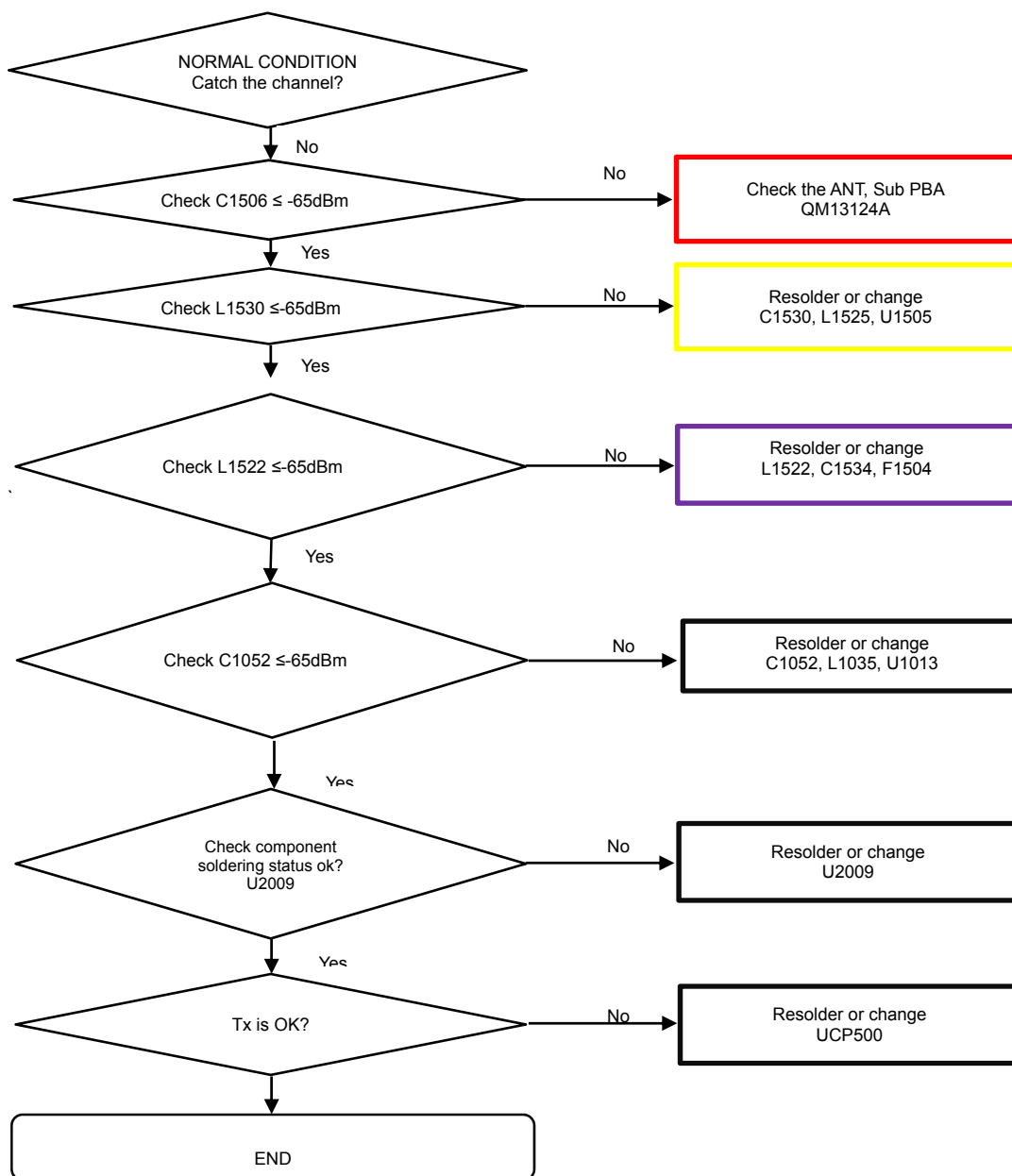
8. Level 3 Repair

8-4-42. LTE B42 RX



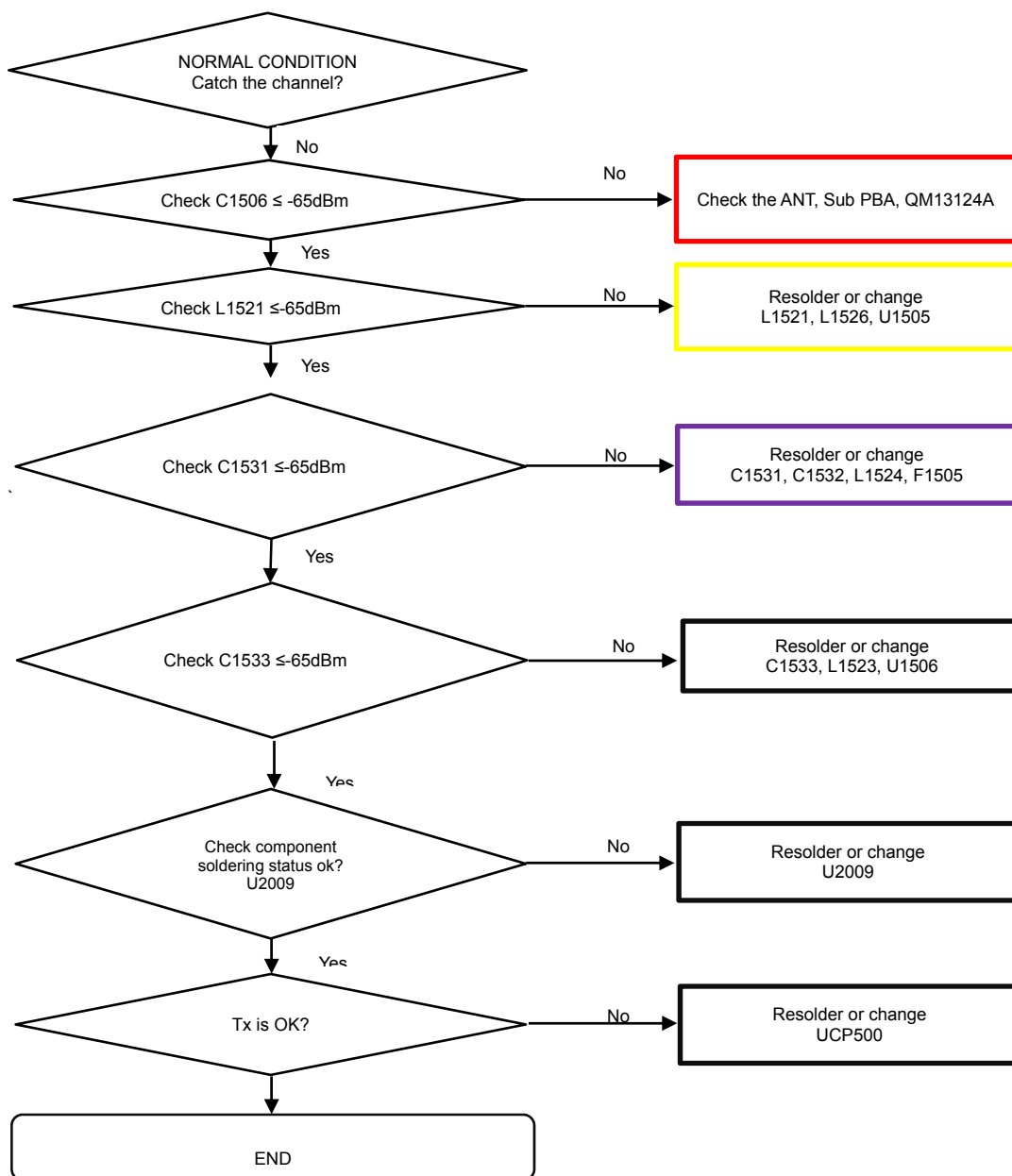
8. Level 3 Repair

8-4-43. LTE B41 2nd PRX



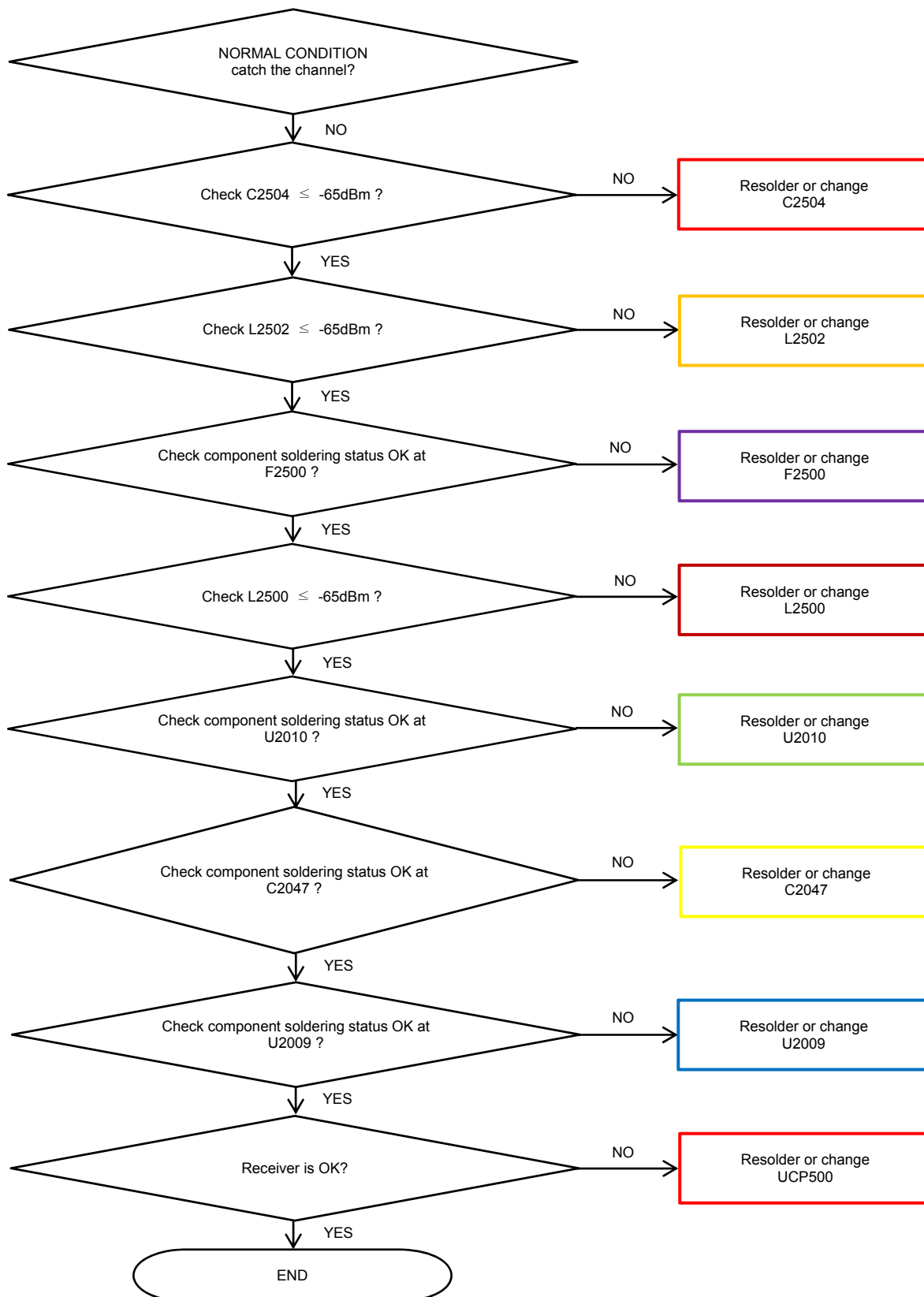
8. Level 3 Repair

8-4-44. LTE B42 2nd PRX



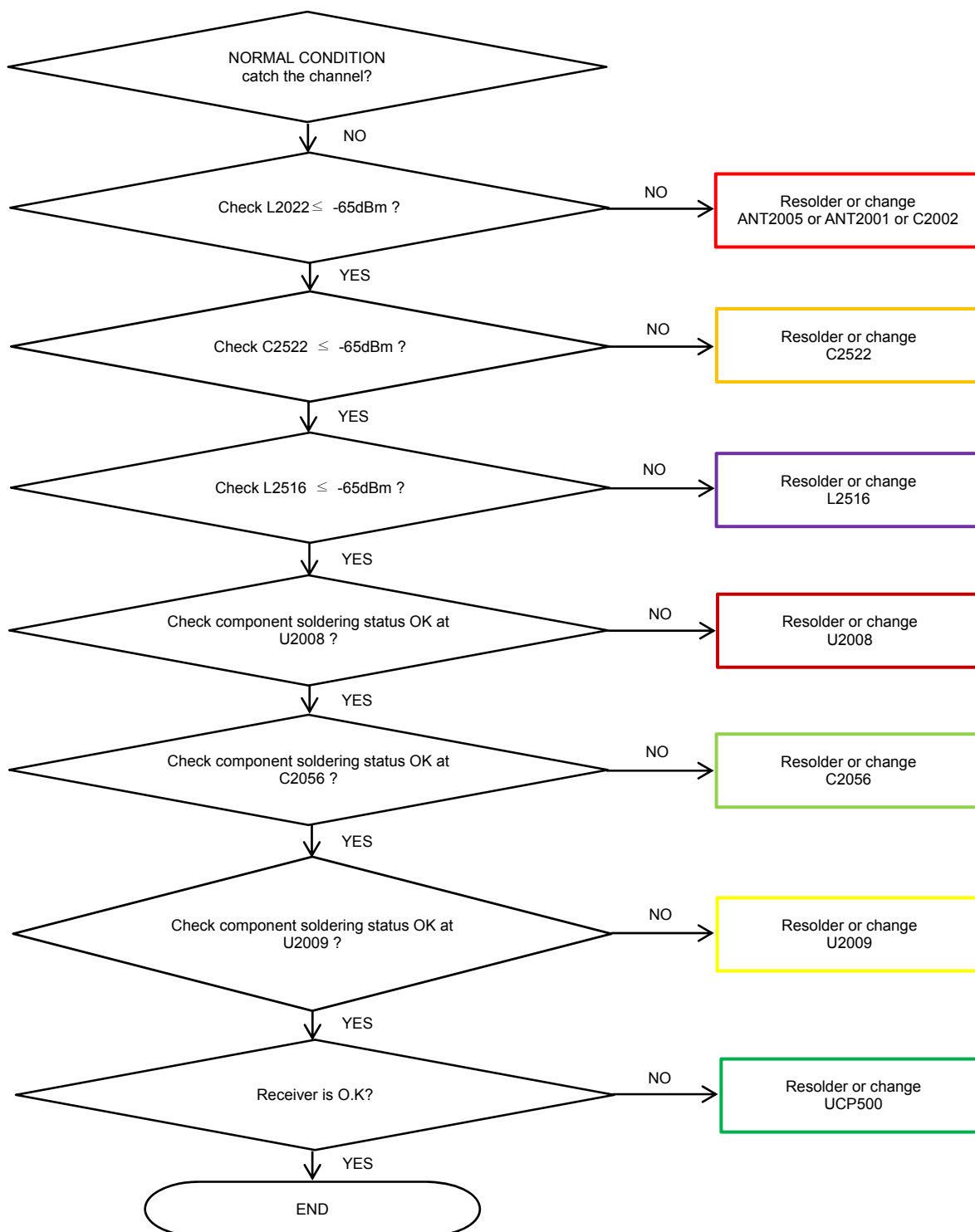
8. Level 3 Repair

8-4-45. LTE B41 2ND DRX



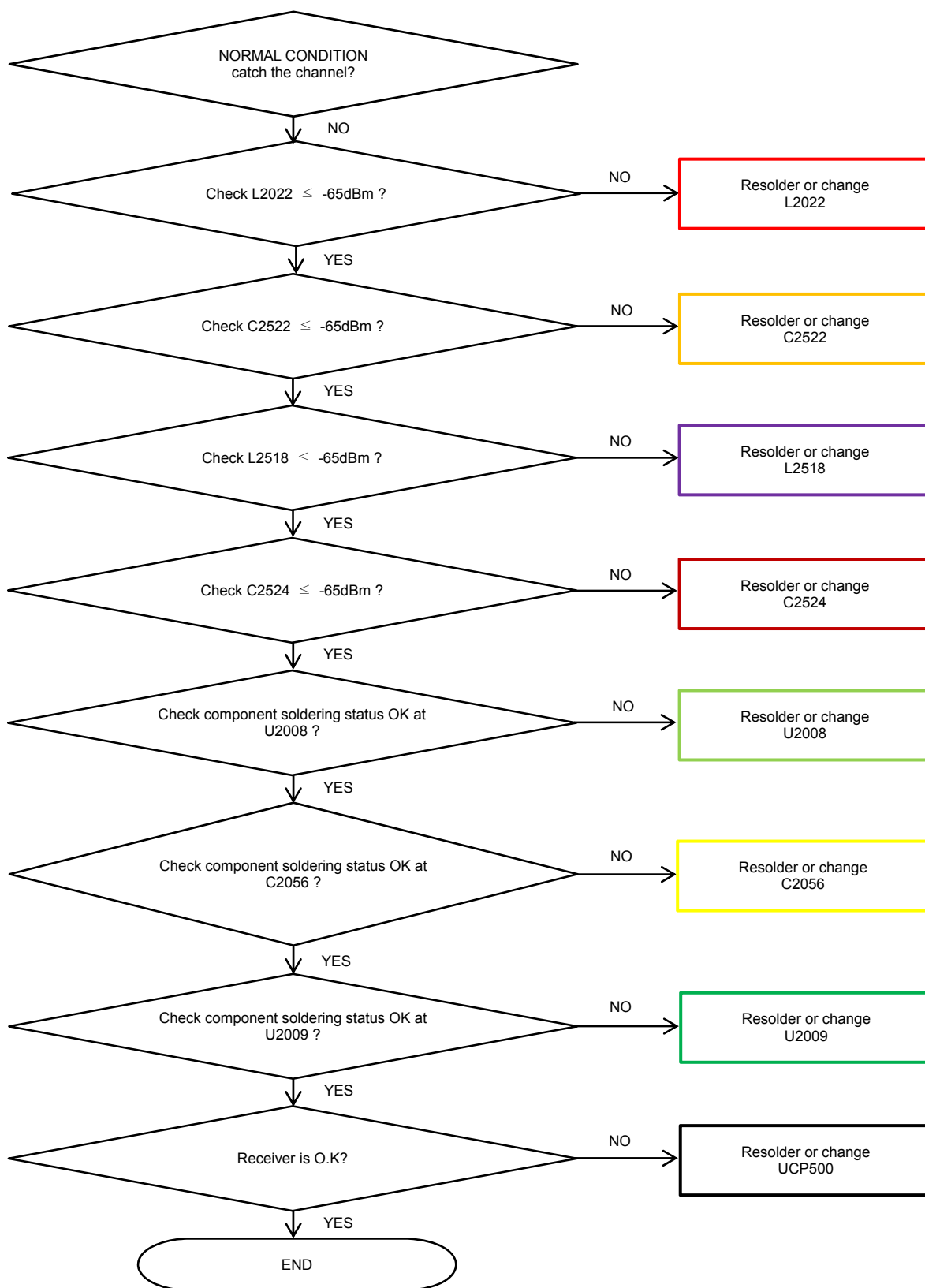
8. Level 3 Repair

8-4-46. WB1 / LTE B1/3/4/39 DRX



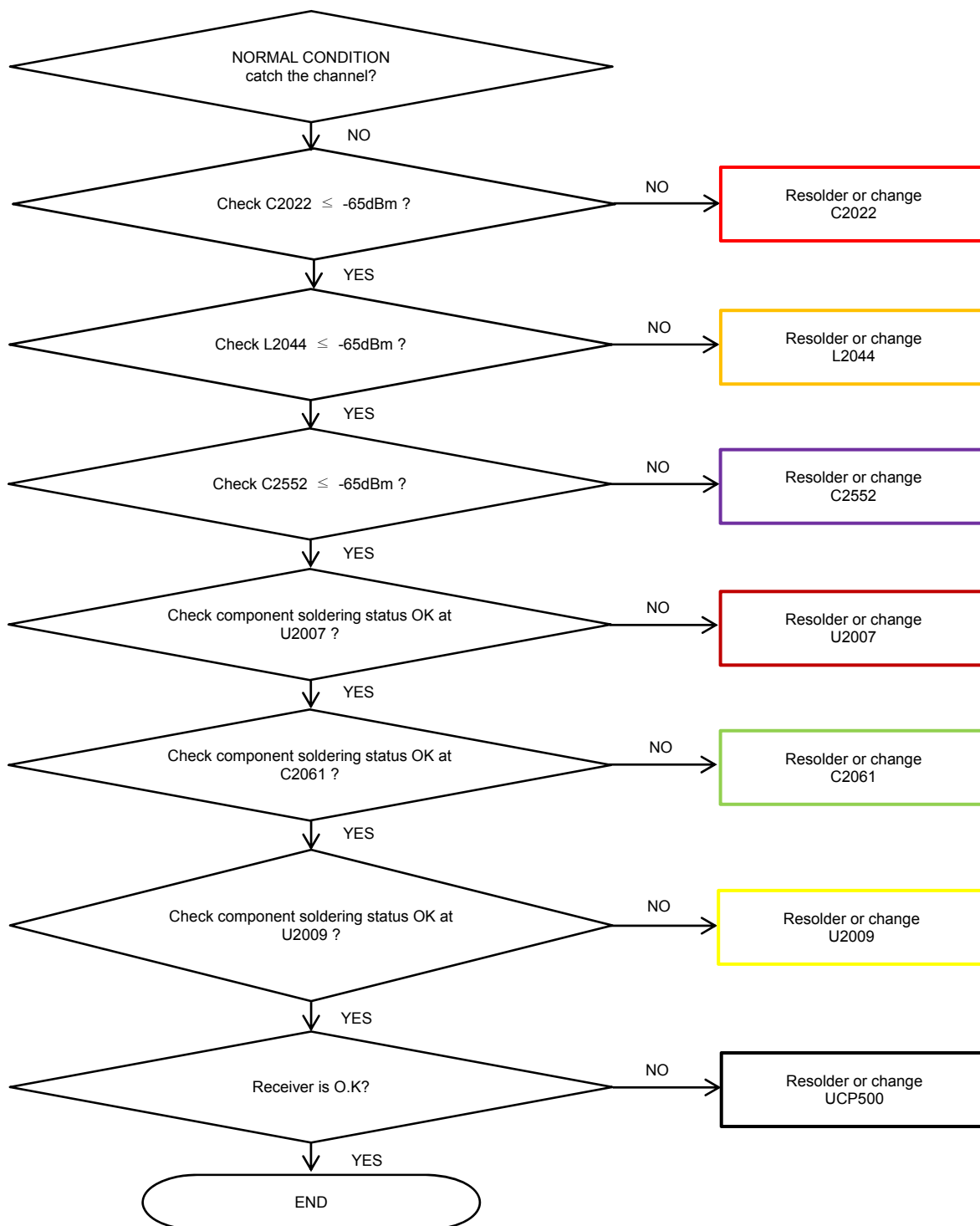
8. Level 3 Repair

8-4-47. LTE B21 DRX



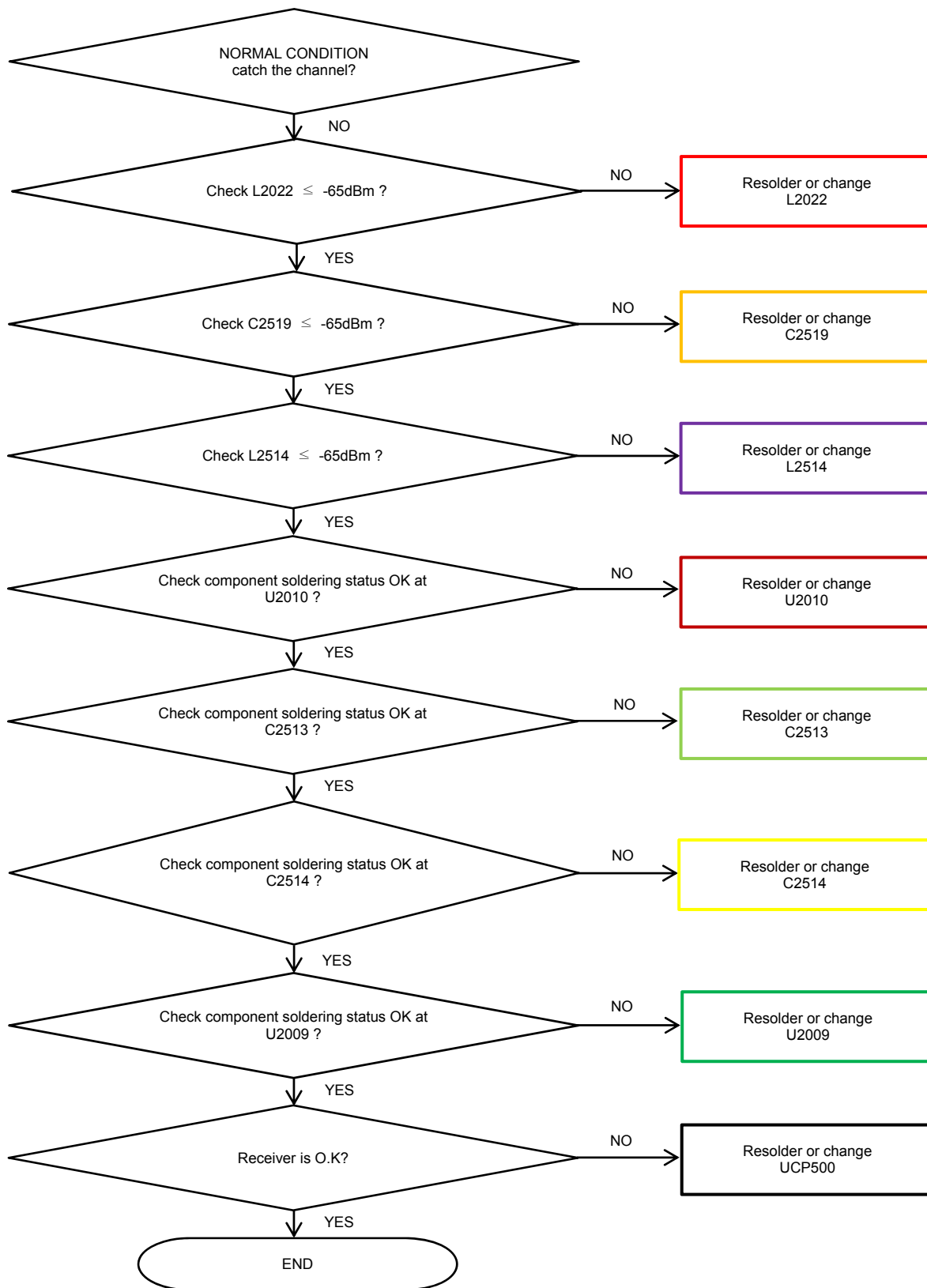
8. Level 3 Repair

8-4-48. WB5 WB6 WB19 / LTE B5 B12 B13 B17 B19 B26 B28 DRX



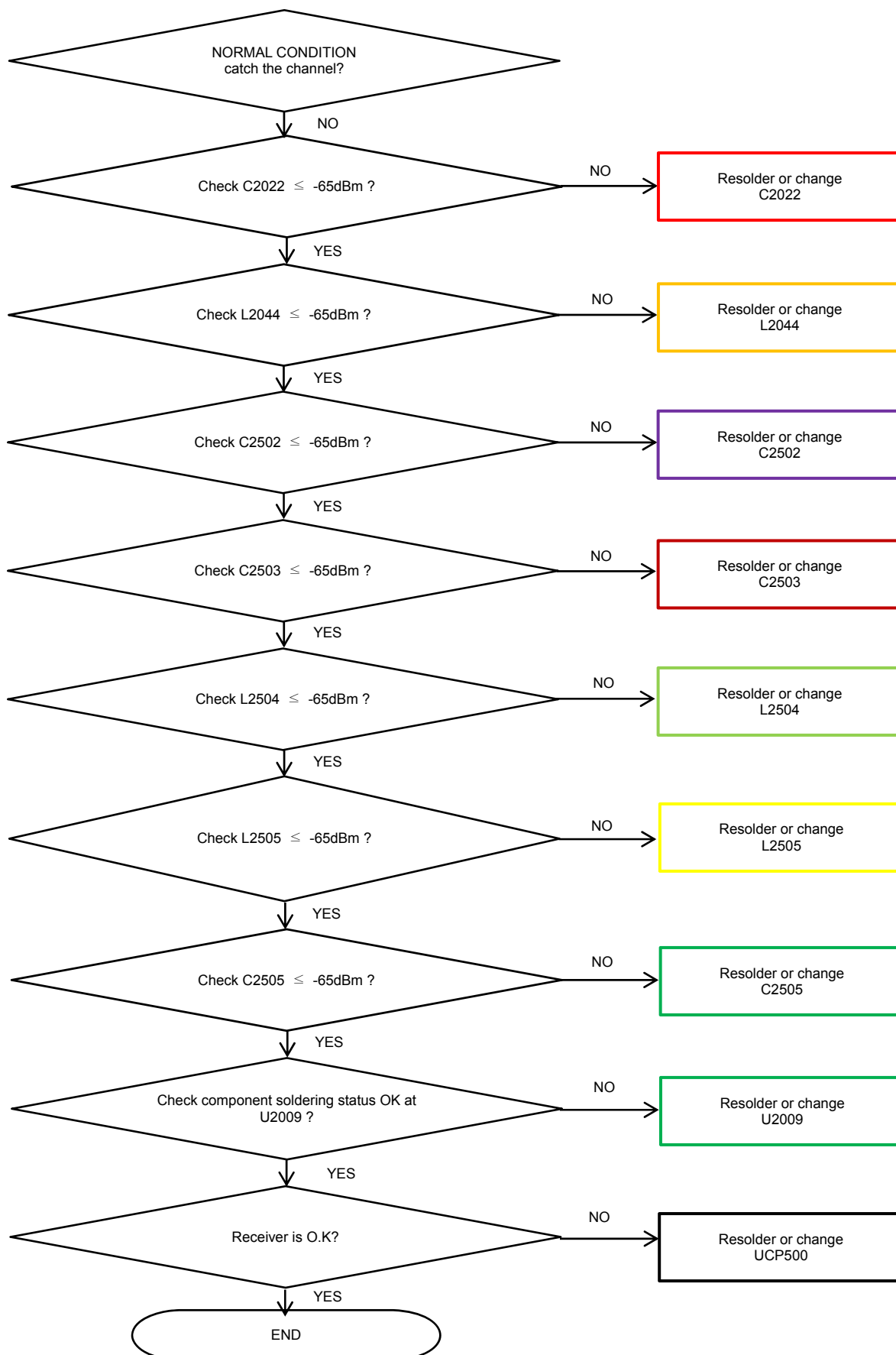
8. Level 3 Repair

8-4-49. LTE B42 DRX



8. Level 3 Repair

8-4-50. LTE B42 2ND DRX



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8. Level 3 Repair

8-4-51. Force Touch

