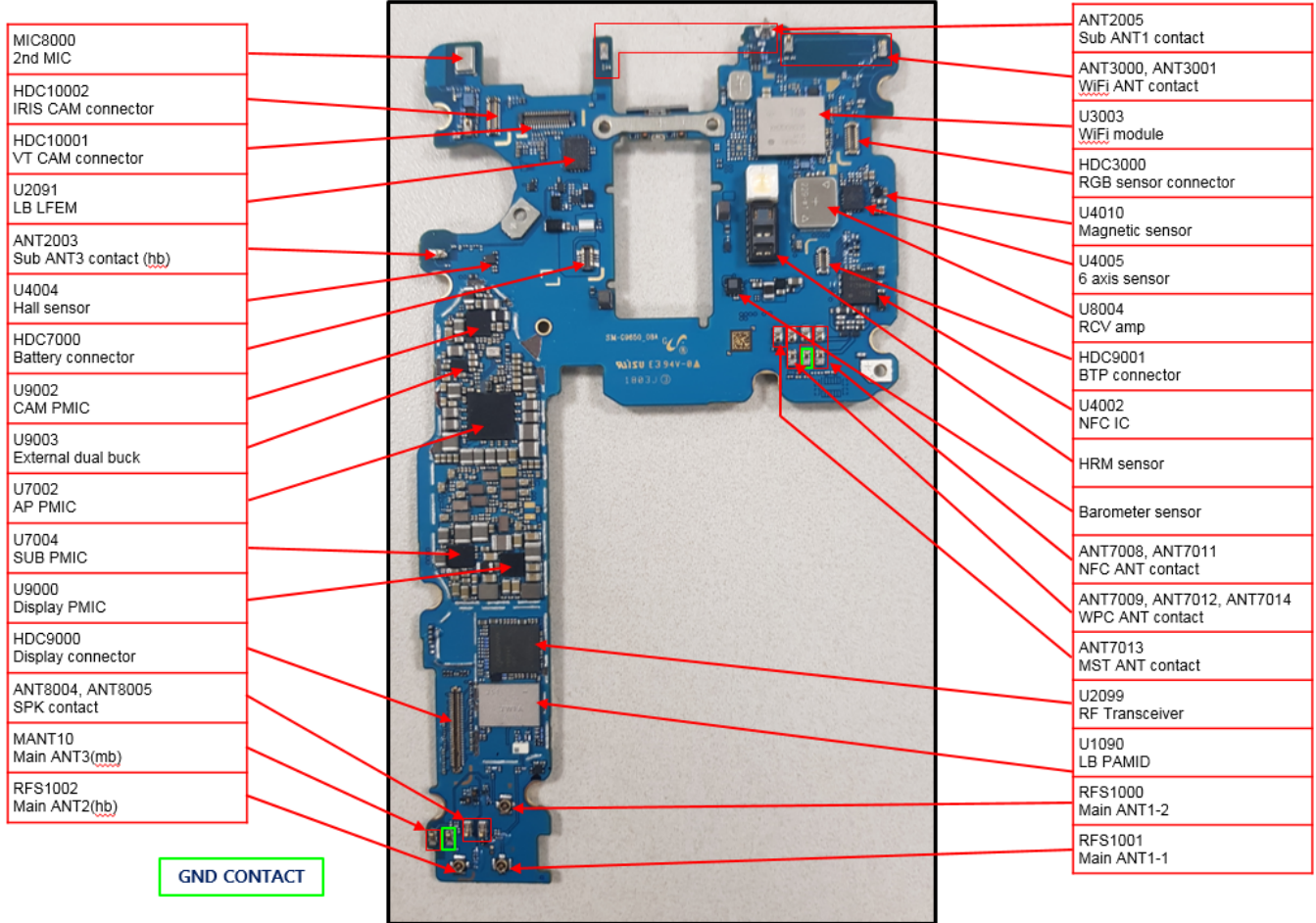


8. Level 3 Repair

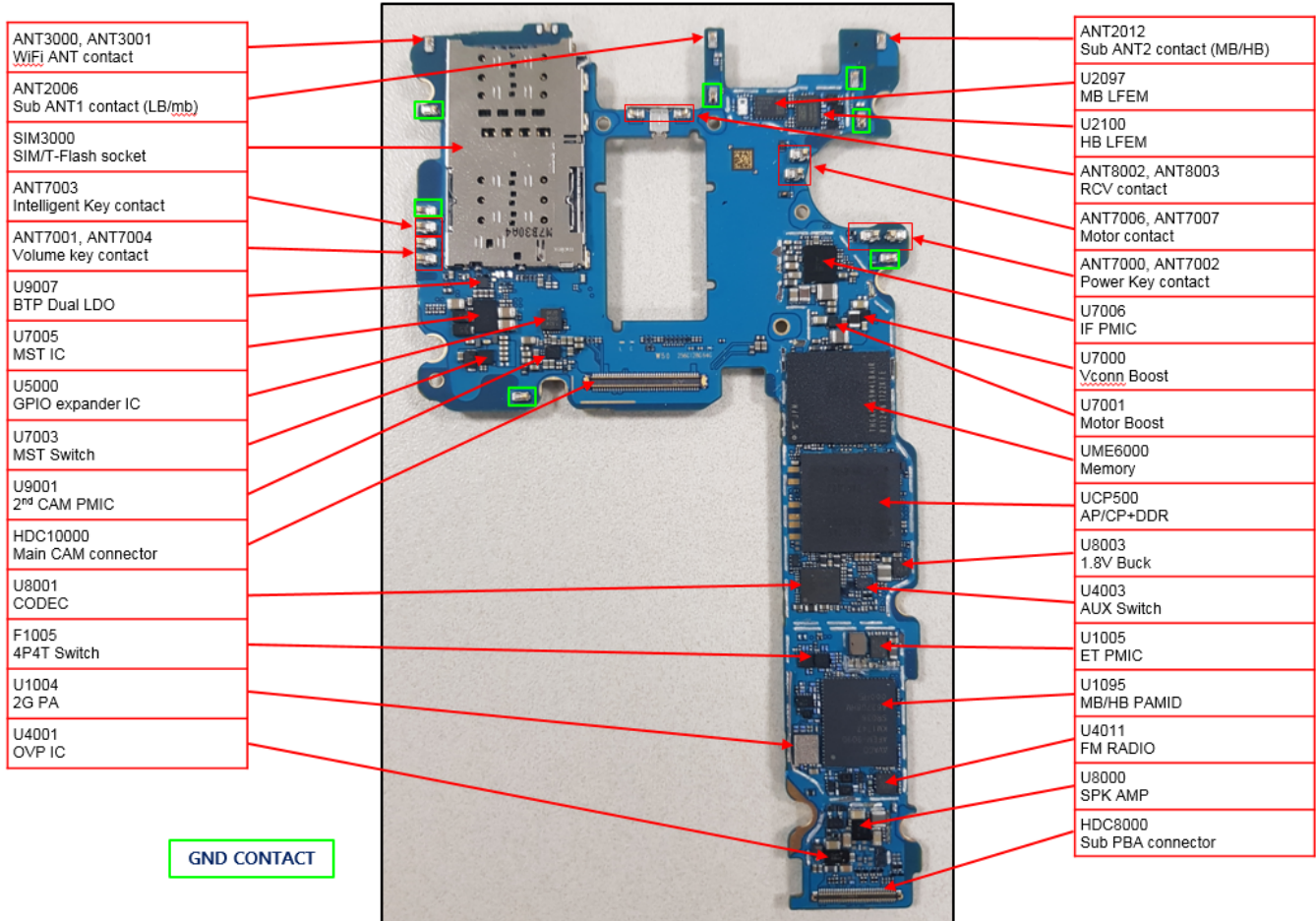
8-1. Components Layout

PBA (Rear side)



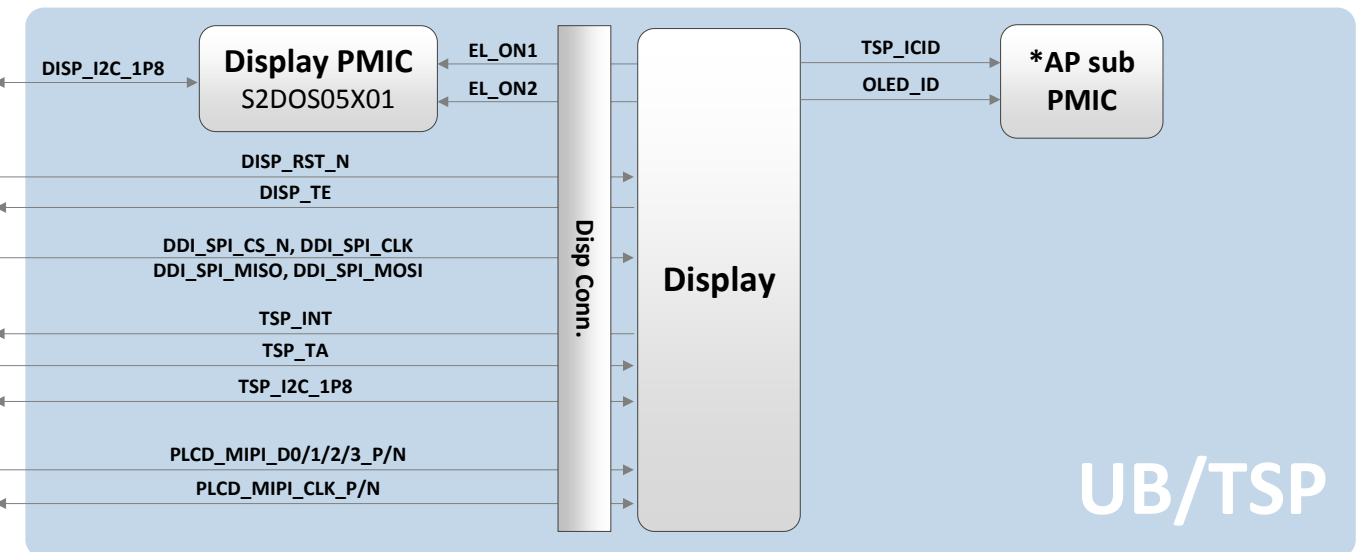
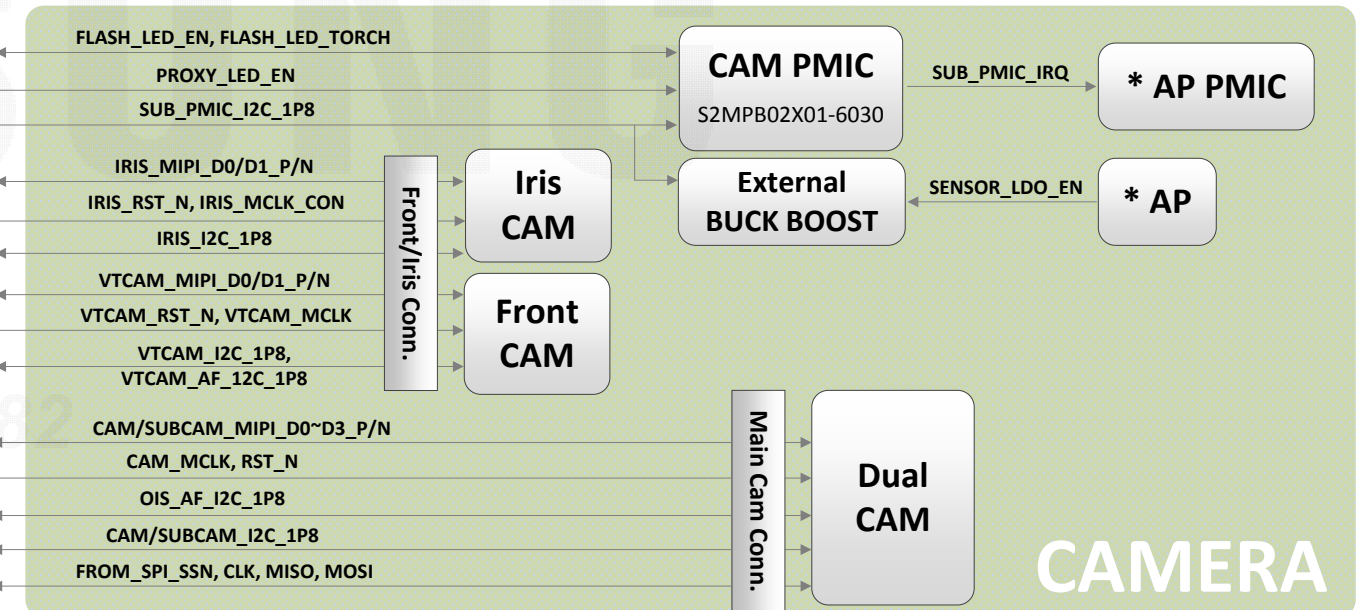
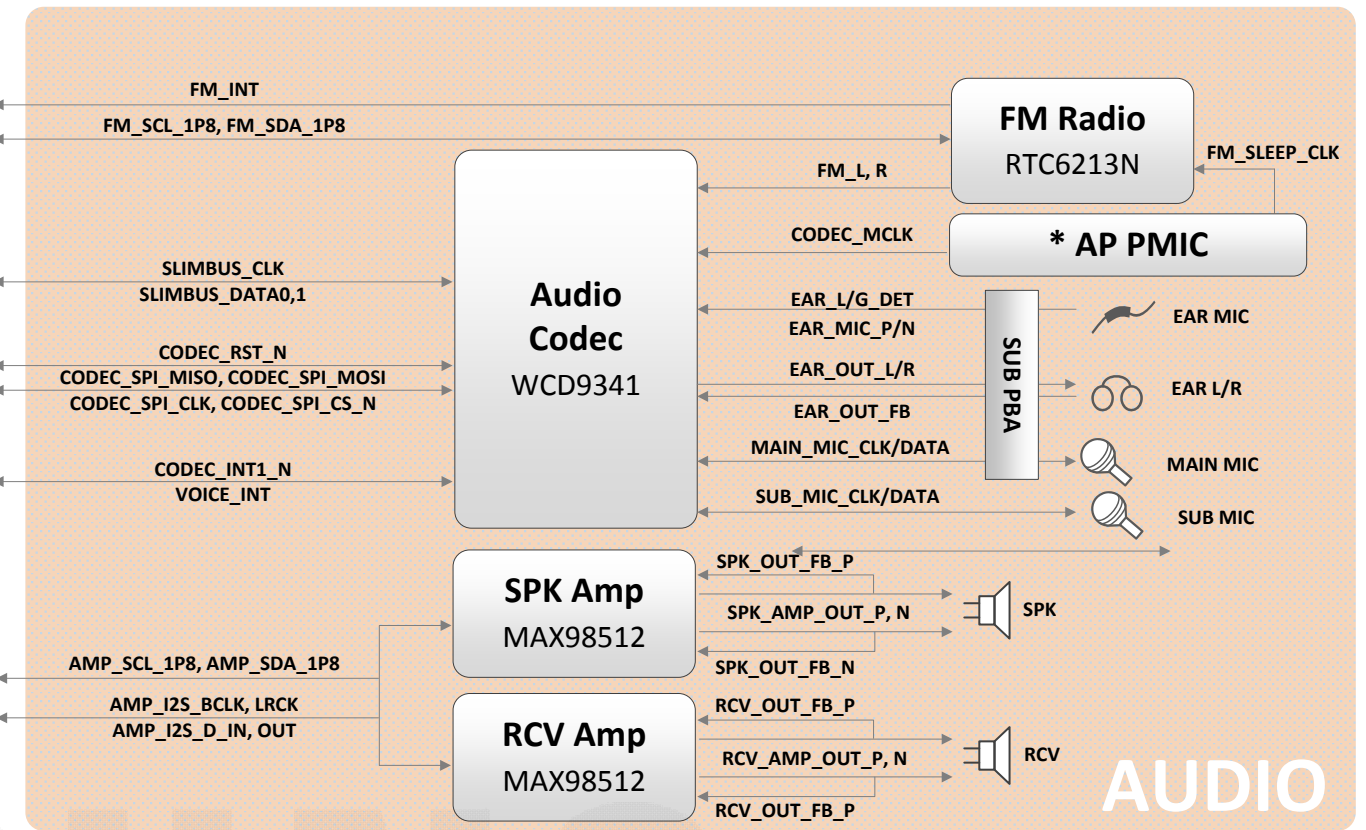
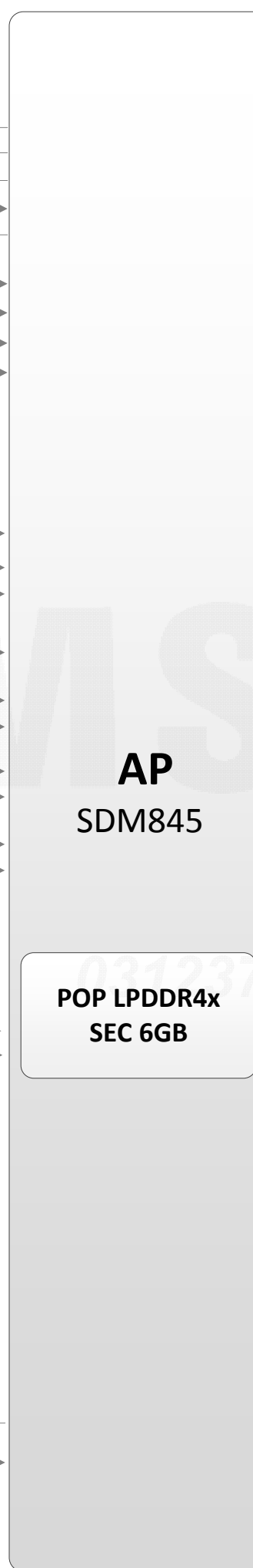
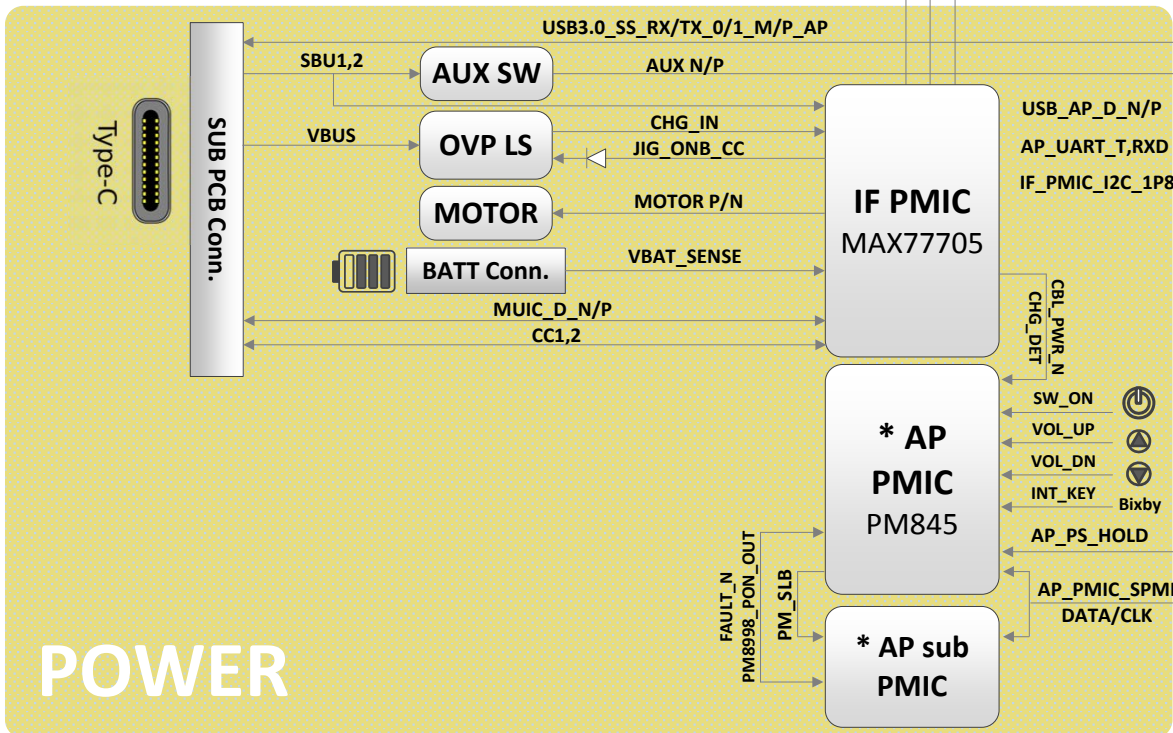
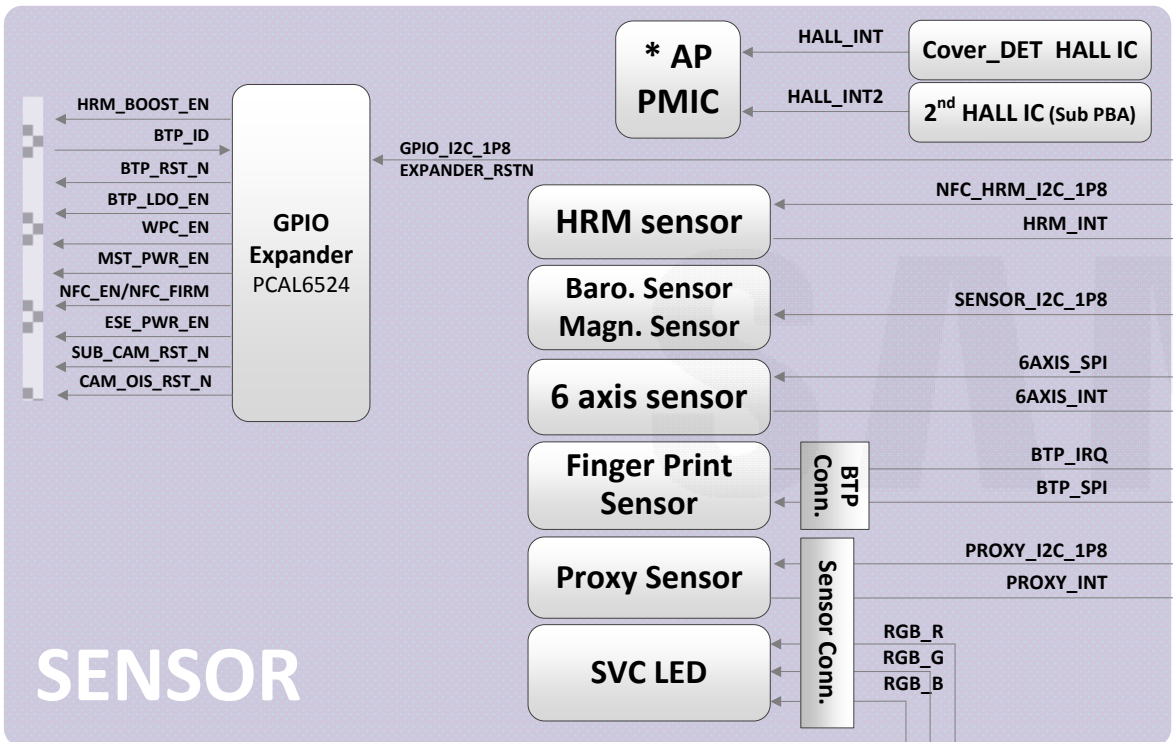
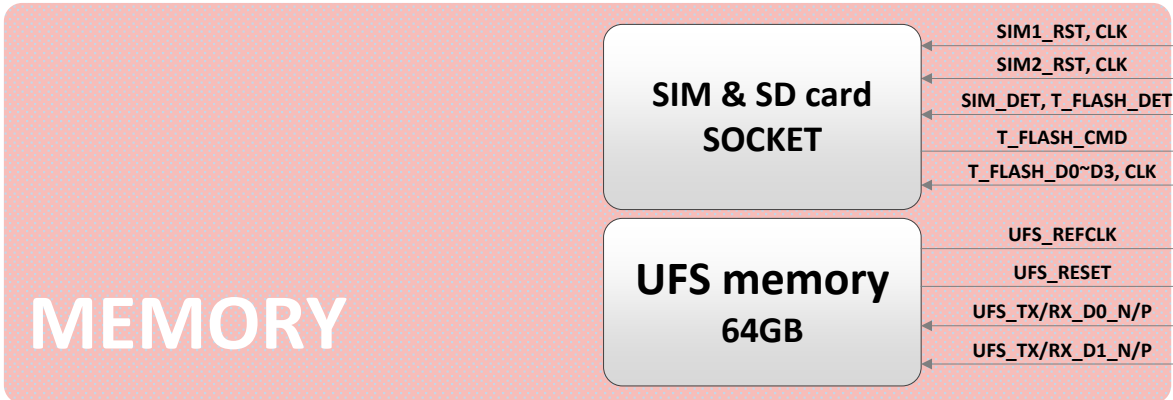
8. Level 3 Repair

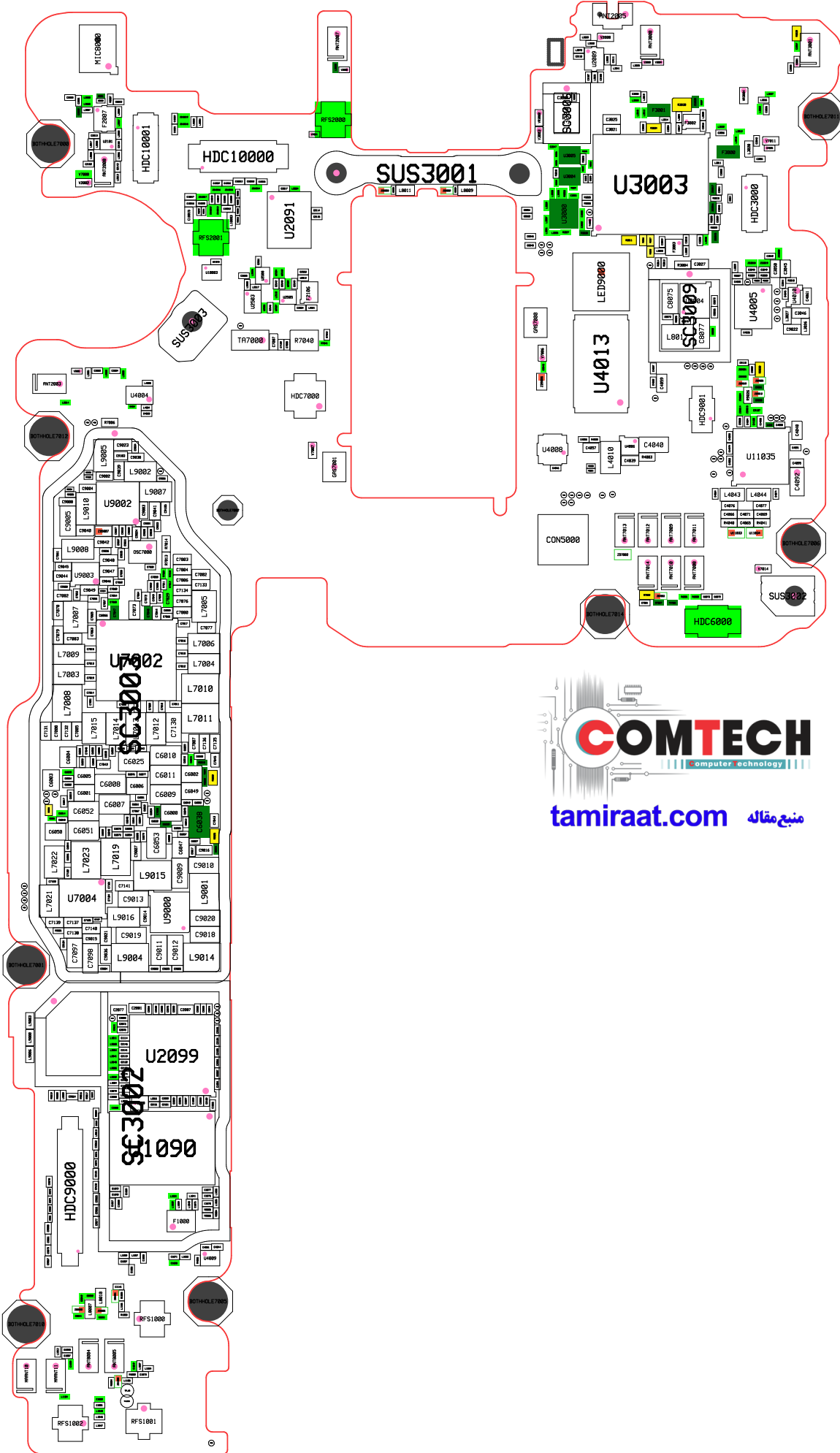
PBA (Front side)



[SM-G9650] Logic Block Diagram

SM - G9650/G9608
Common

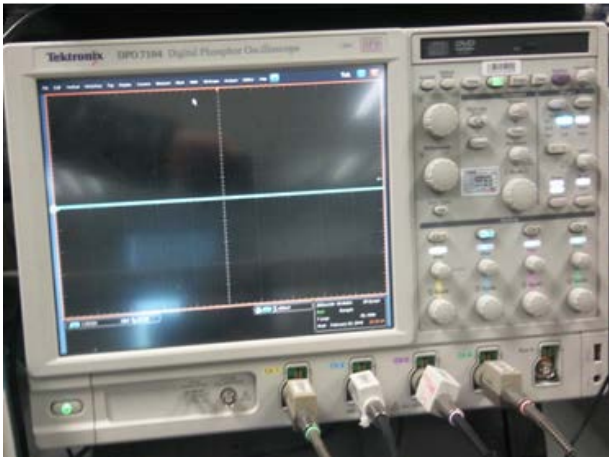

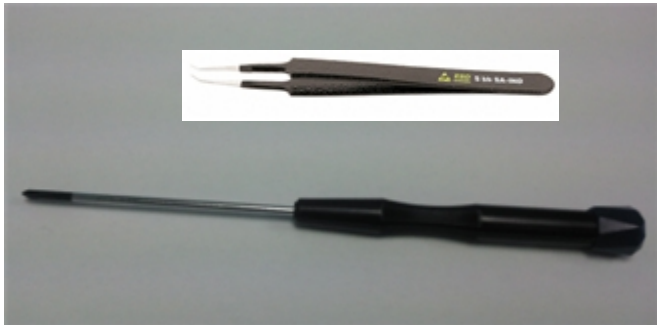
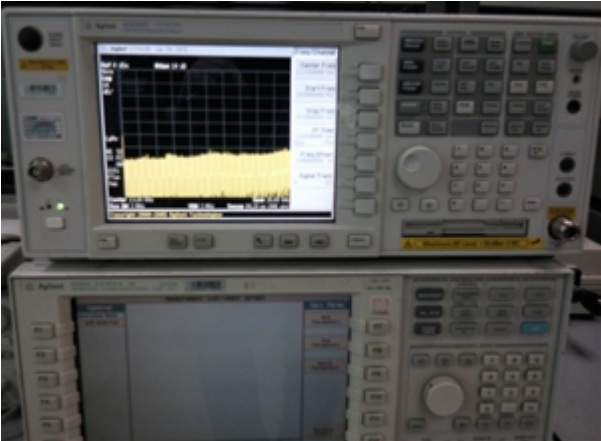





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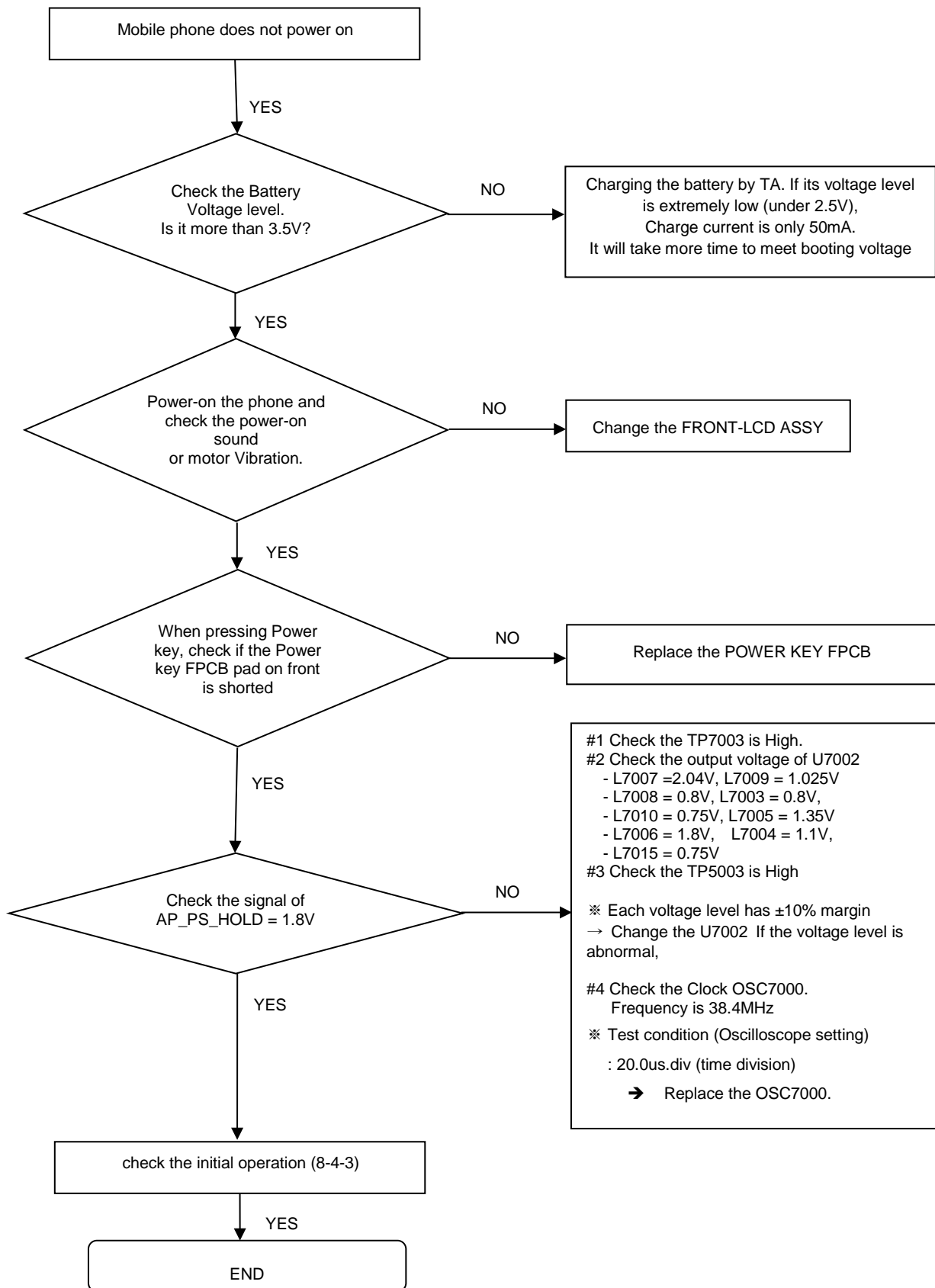
8. Level 3 Repair

8-3. Flow chart of Troubleshooting.

	
<p>Oscilloscope</p>	<p>Digital Multimeter</p>
	
<p>Power Supply</p>	<p>+ driver, ESD Safe Tweezer</p>
	
<p>8960 & Spectrum Analyzer</p>	<p>Soldering iron</p>

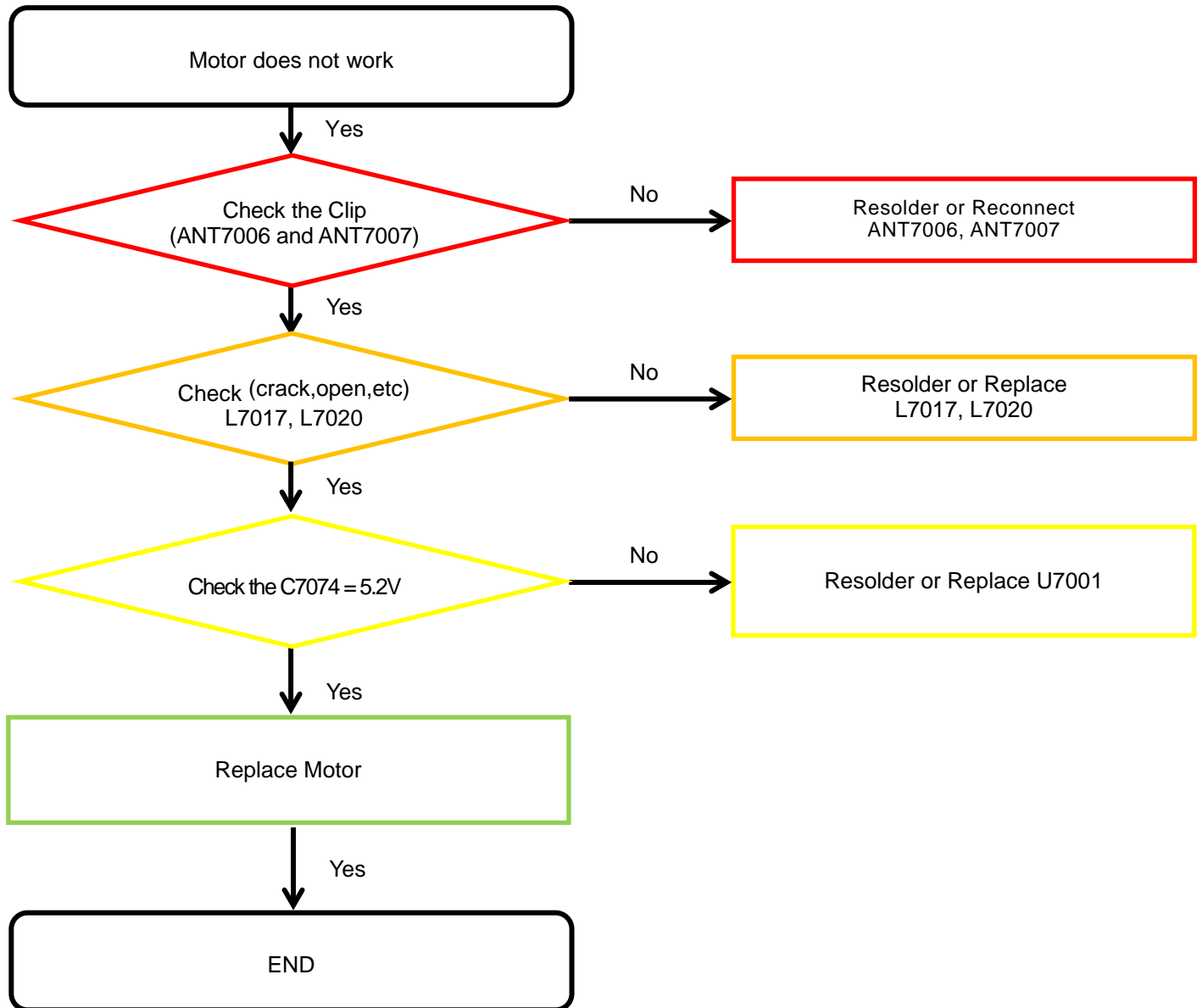
8. Level 3 Repair

8-4-1. Power on



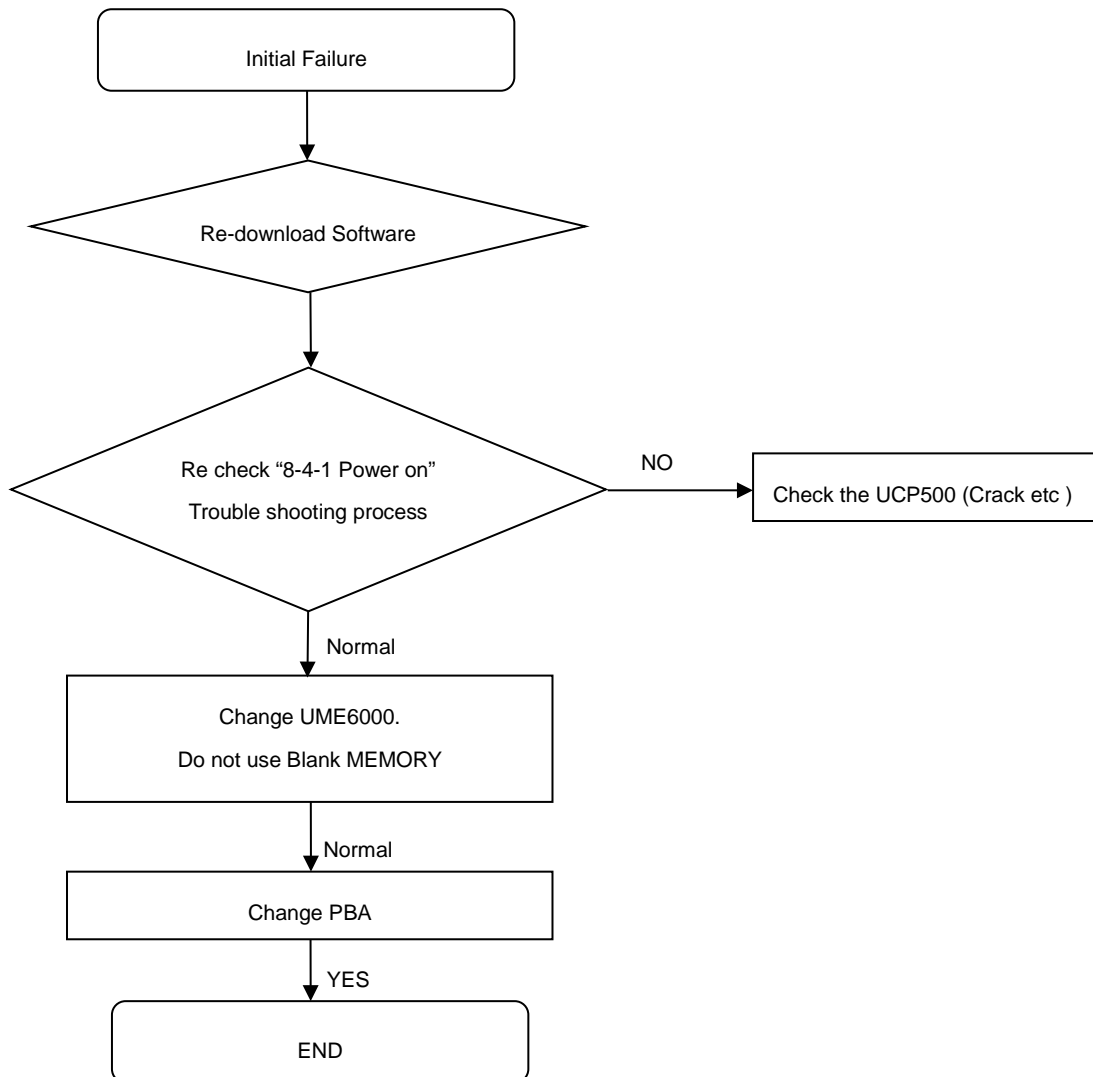
8. Level 3 Repair

8-4-2. Motor



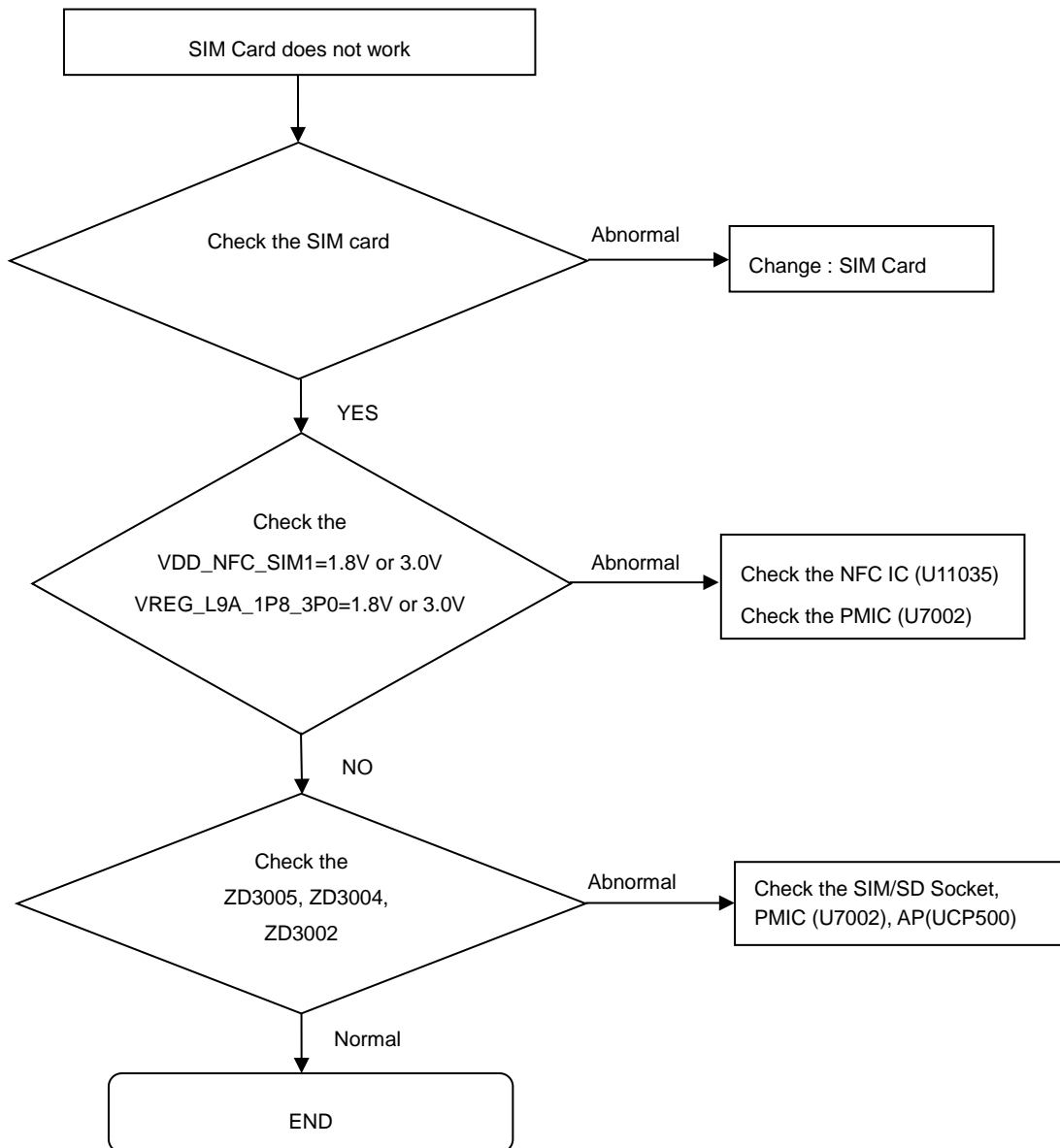
8. Level 3 Repair

8-4-3. initial



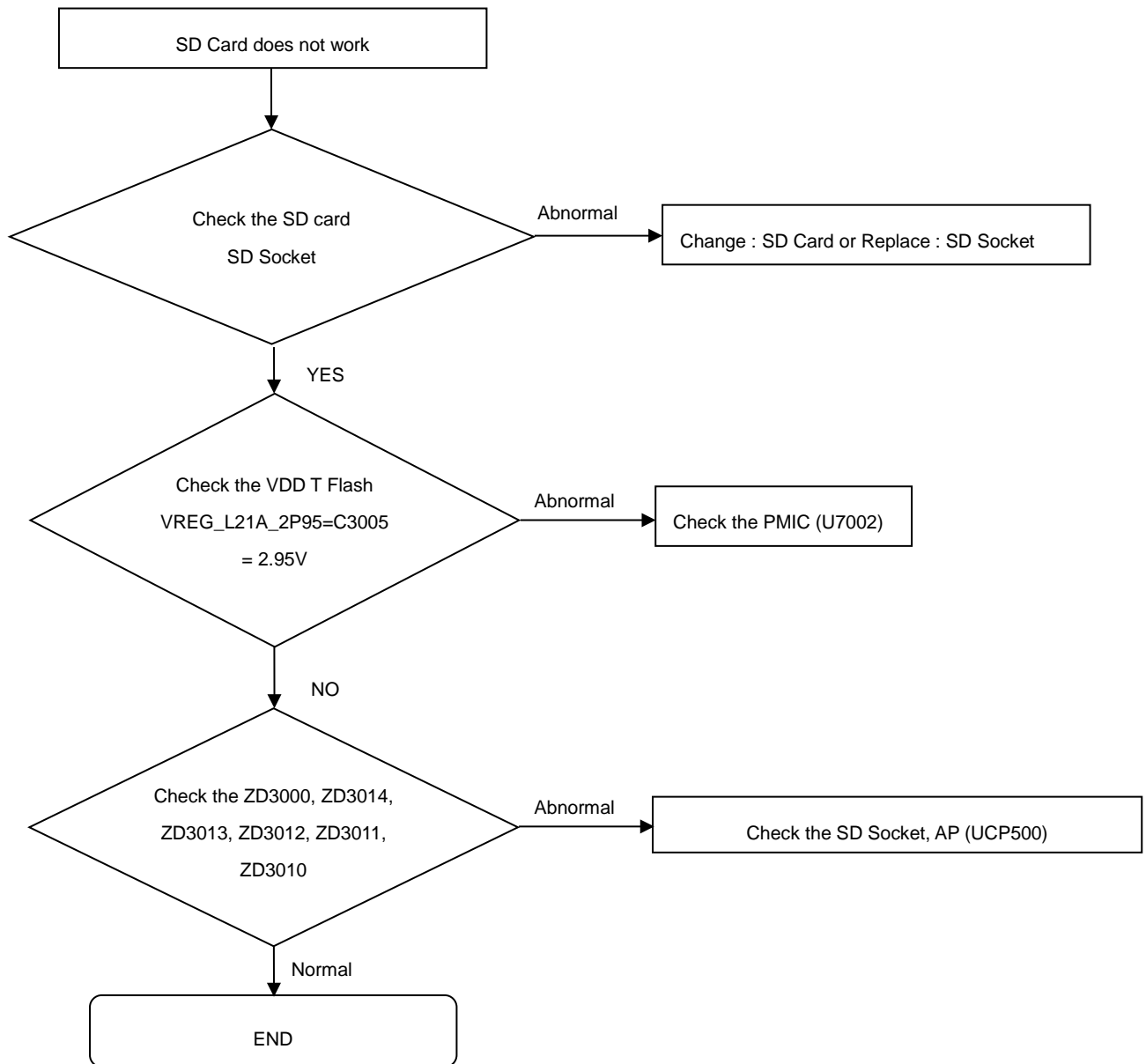
8. Level 3 Repair

8-4-4. SIM PART



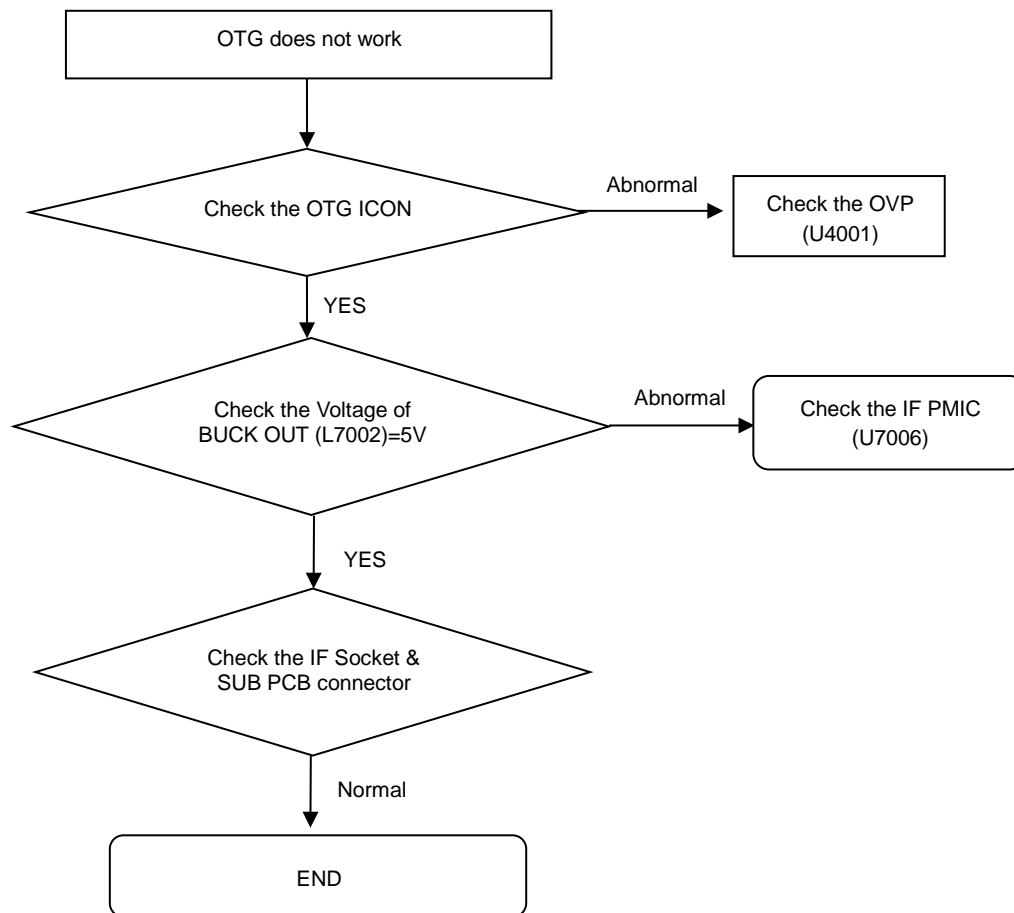
8. Level 3 Repair

8-4-5. SIM/SD PART



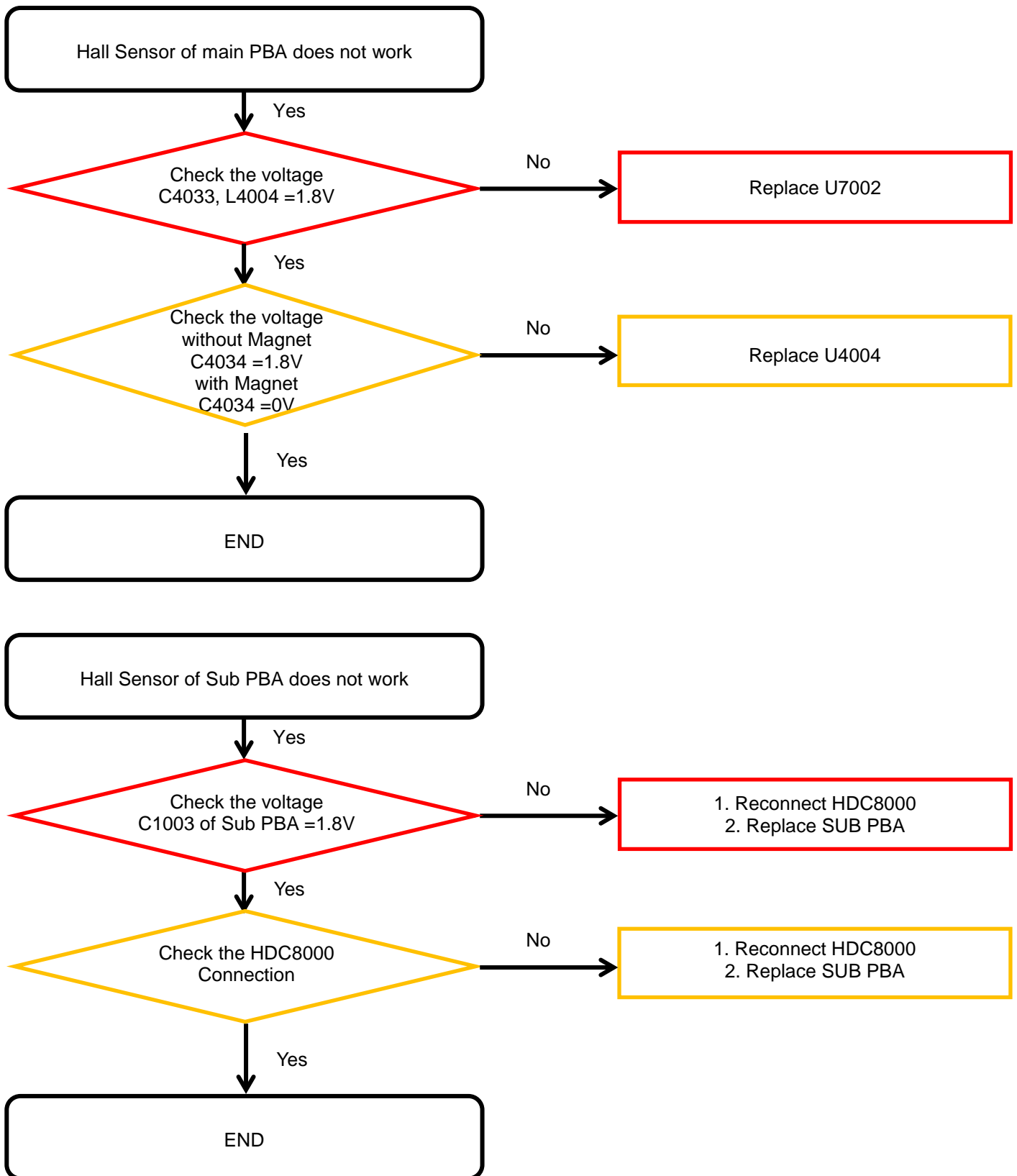
8. Level 3 Repair

8-4-6. OTG



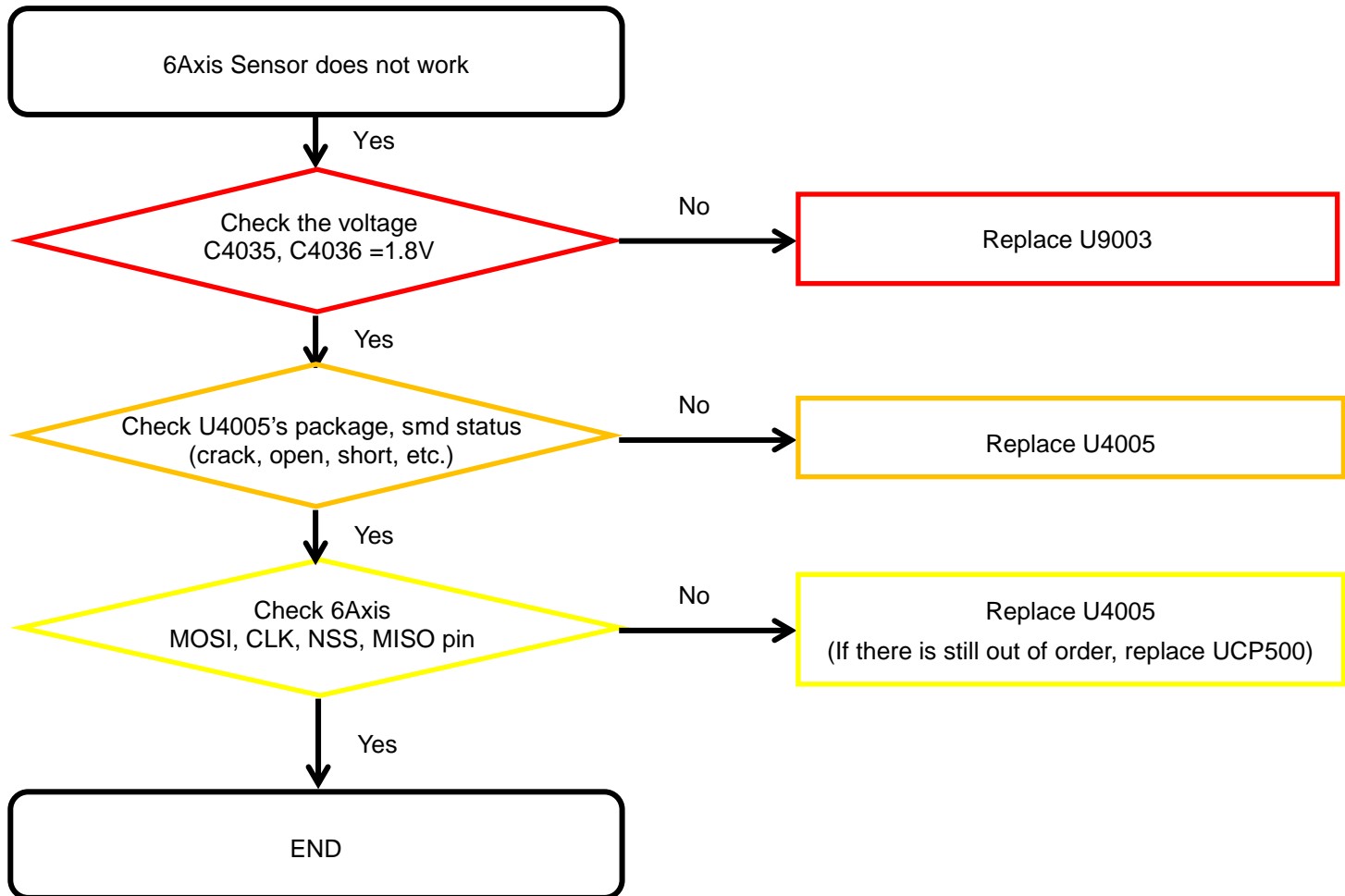
8. Level 3 Repair

8-4-7. Hall IC



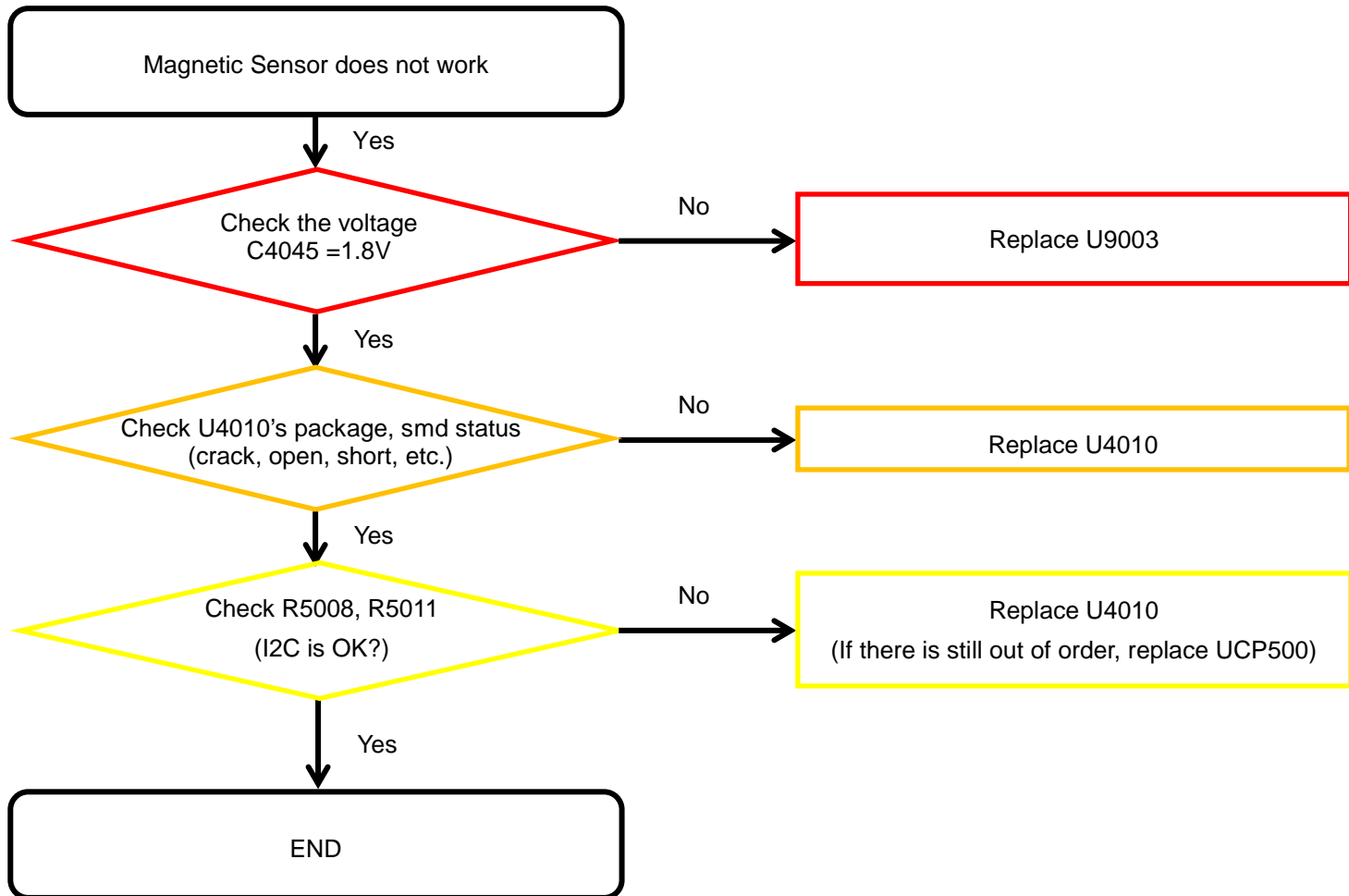
8. Level 3 Repair

8-4-8. 6Axis sensor



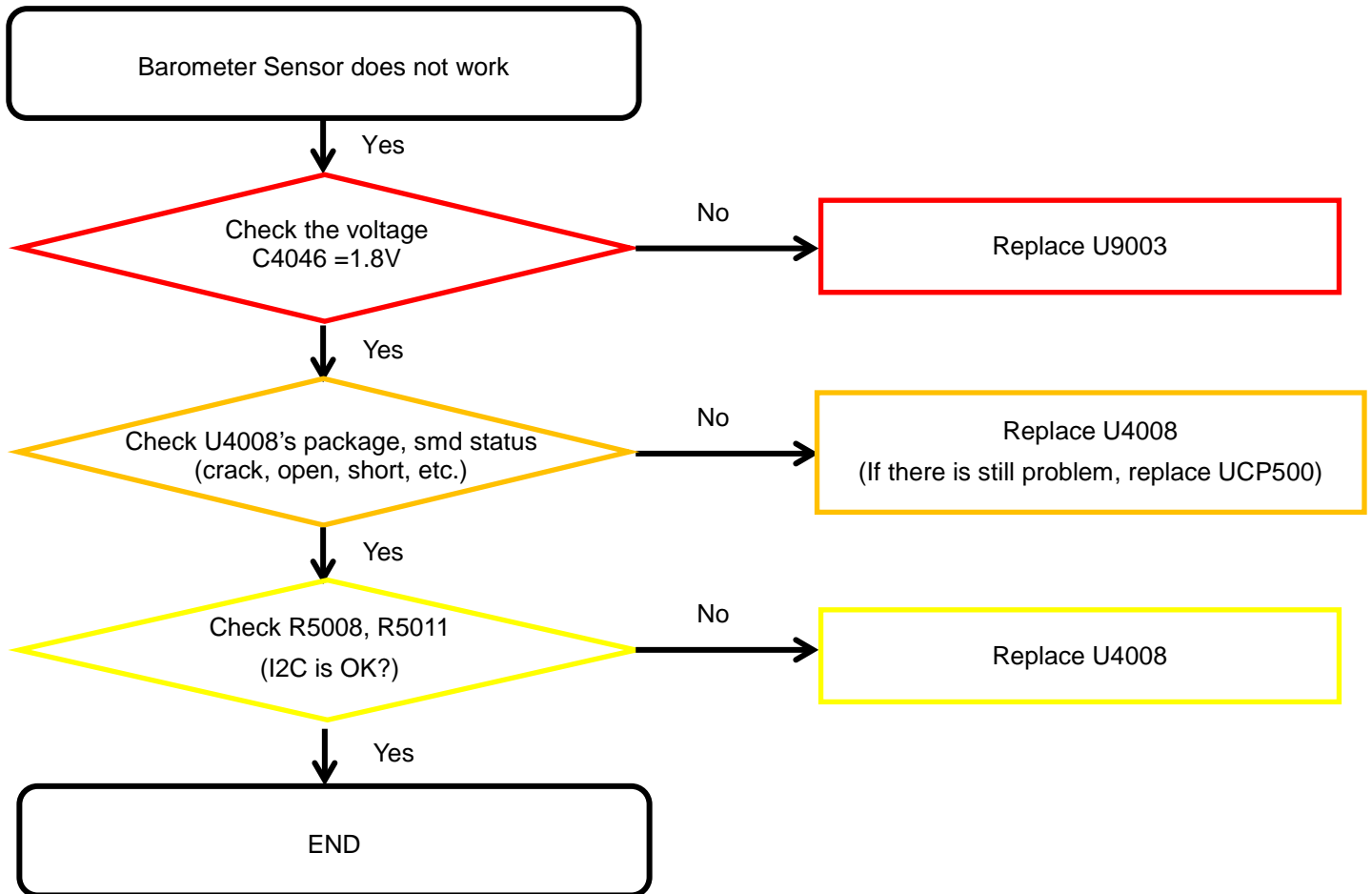
8. Level 3 Repair

8-4-9. Magnetic sensor



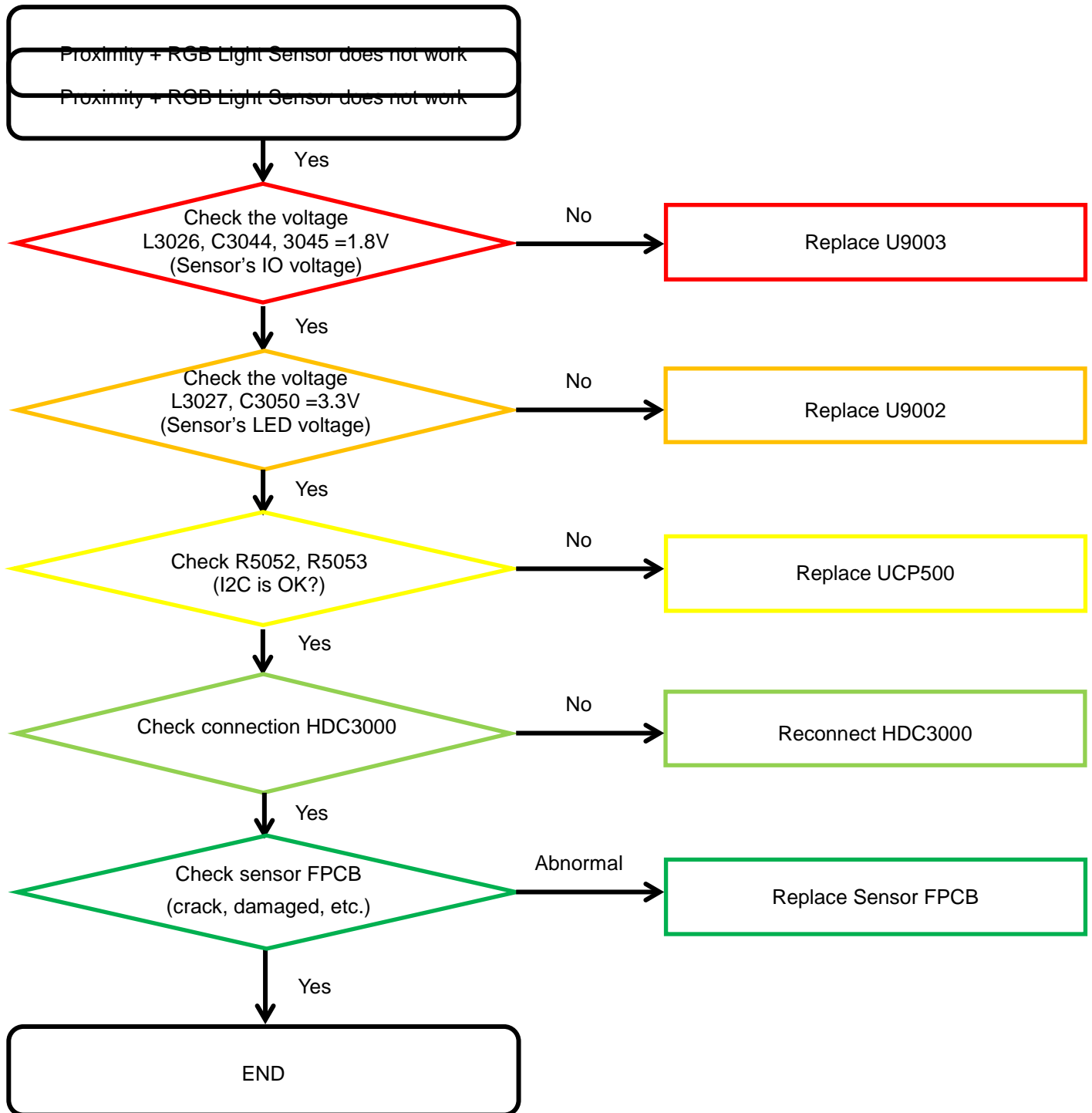
8. Level 3 Repair

8-4-10. Barometer sensor



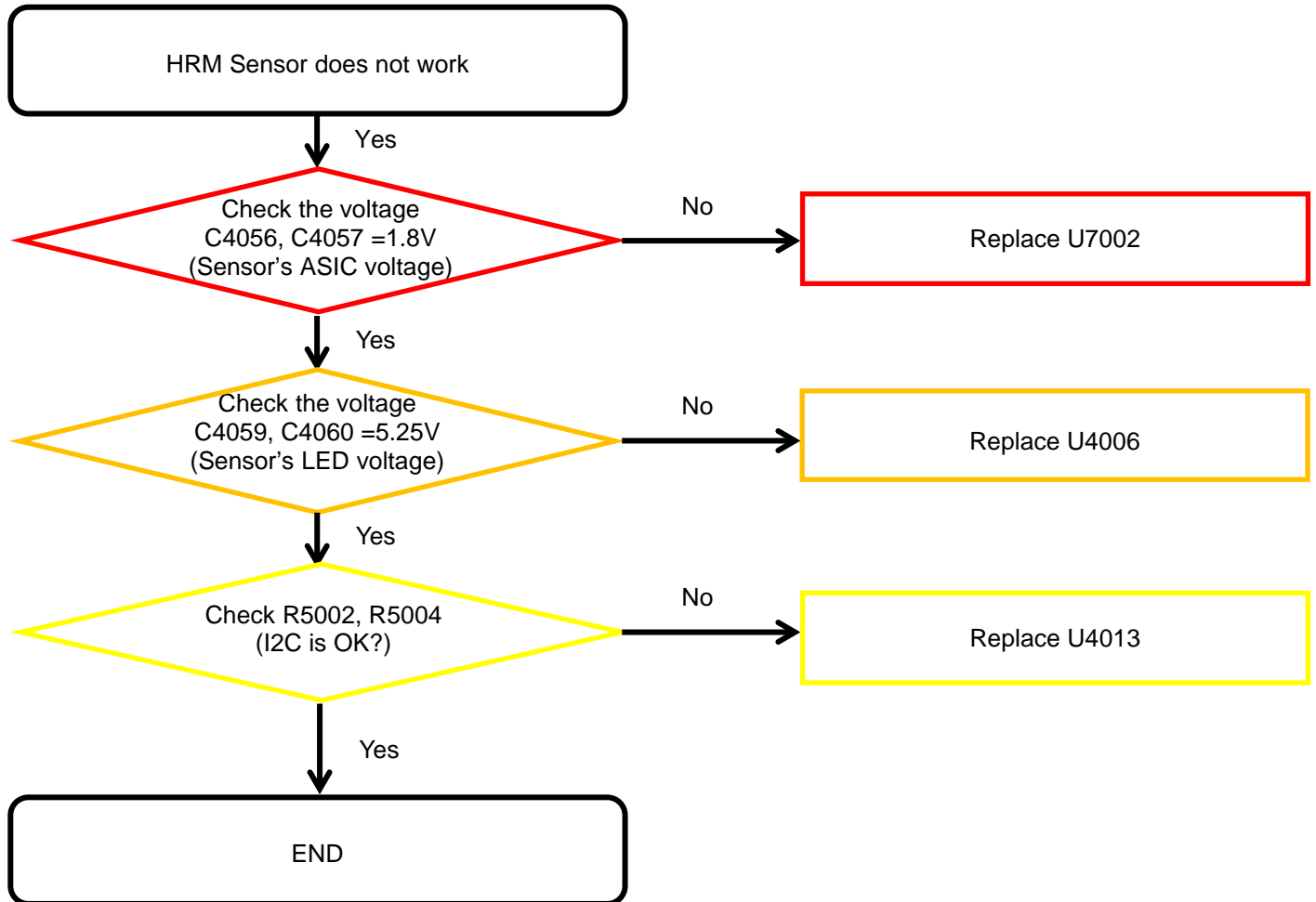
8. Level 3 Repair

8-4-11. Proximity + RGB sensor



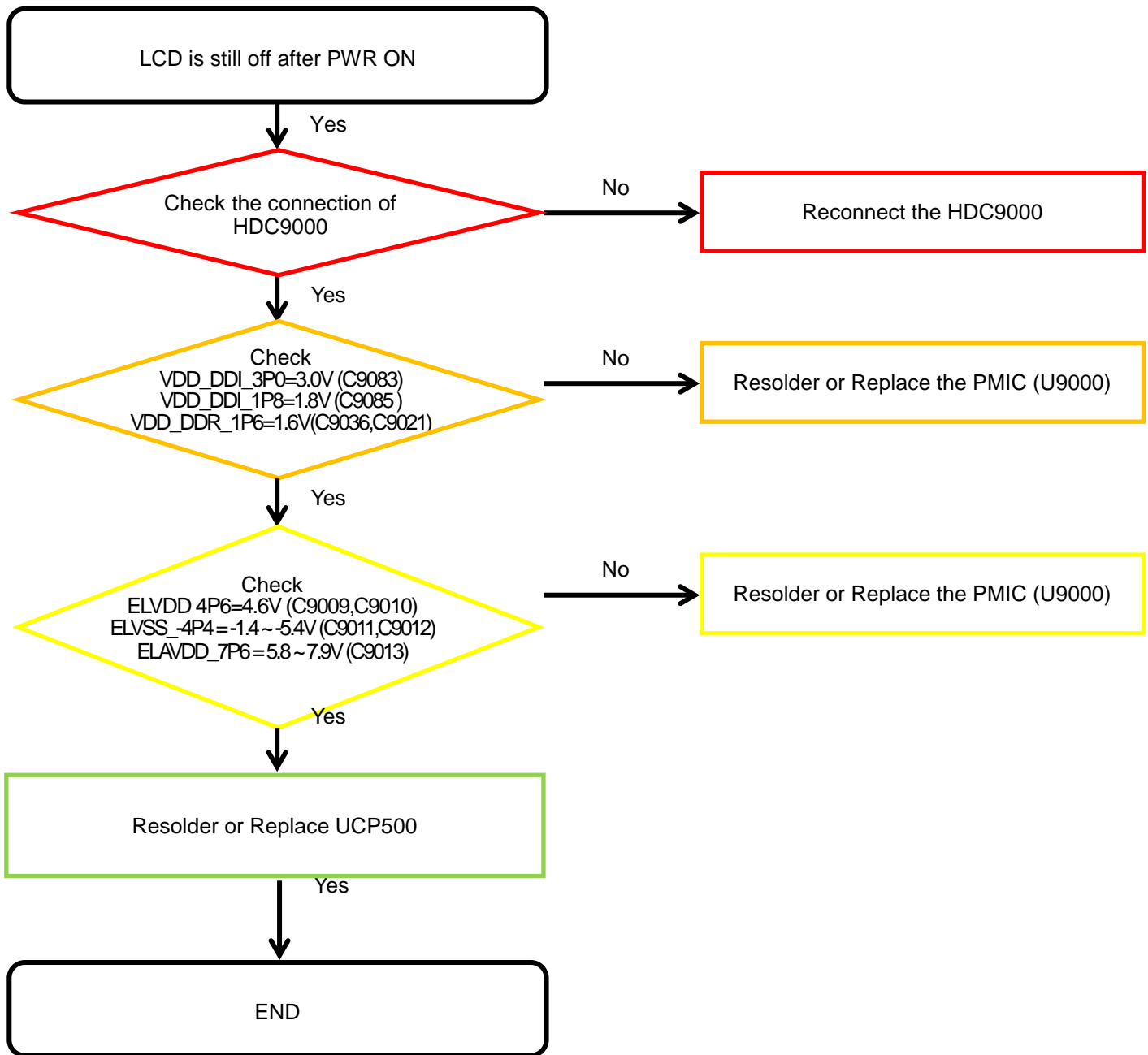
8. Level 3 Repair

8-4-12. HRM sensor



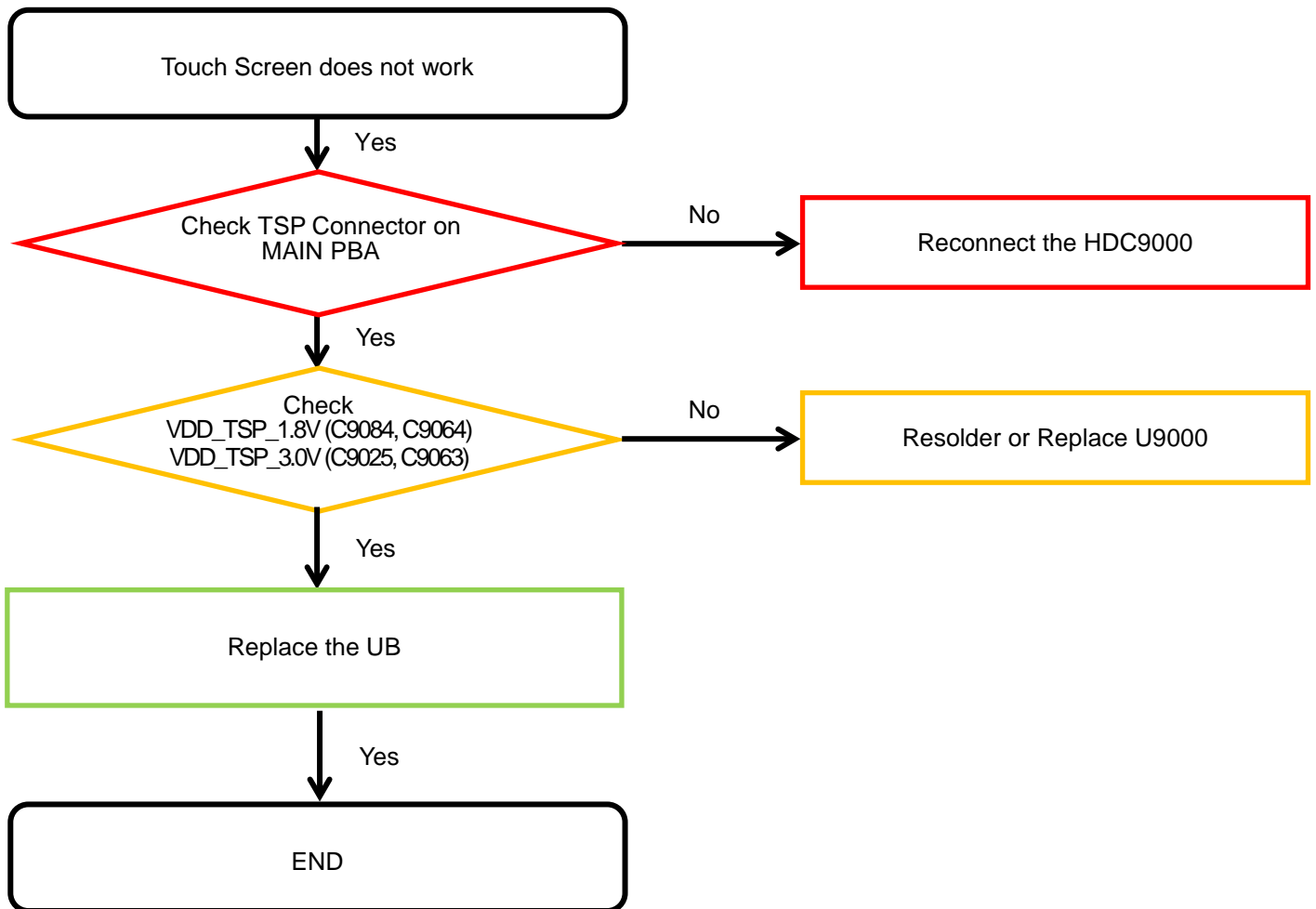
8. Level 3 Repair

8-4-13. Display



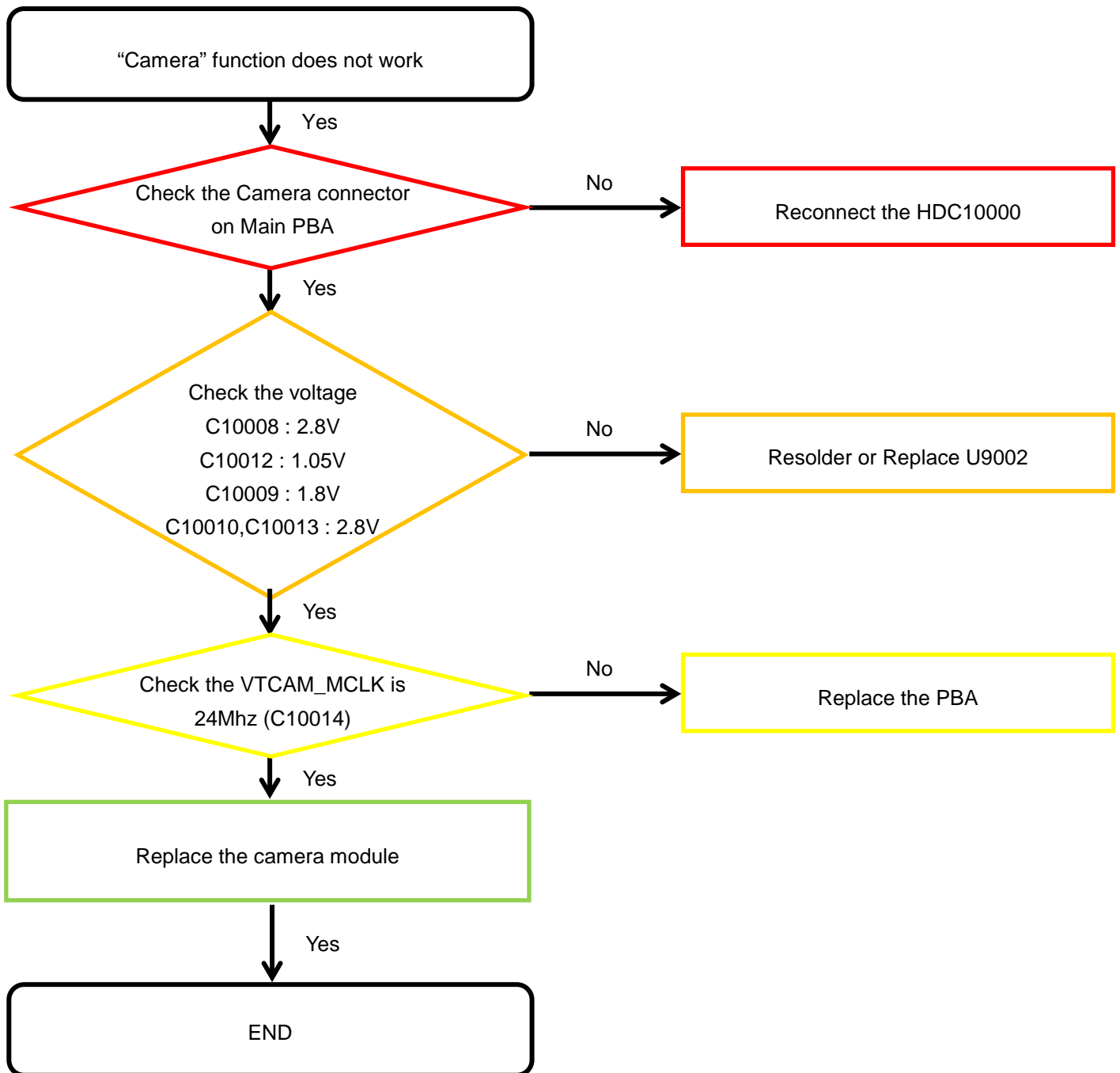
8. Level 3 Repair

8-4-14. TSP



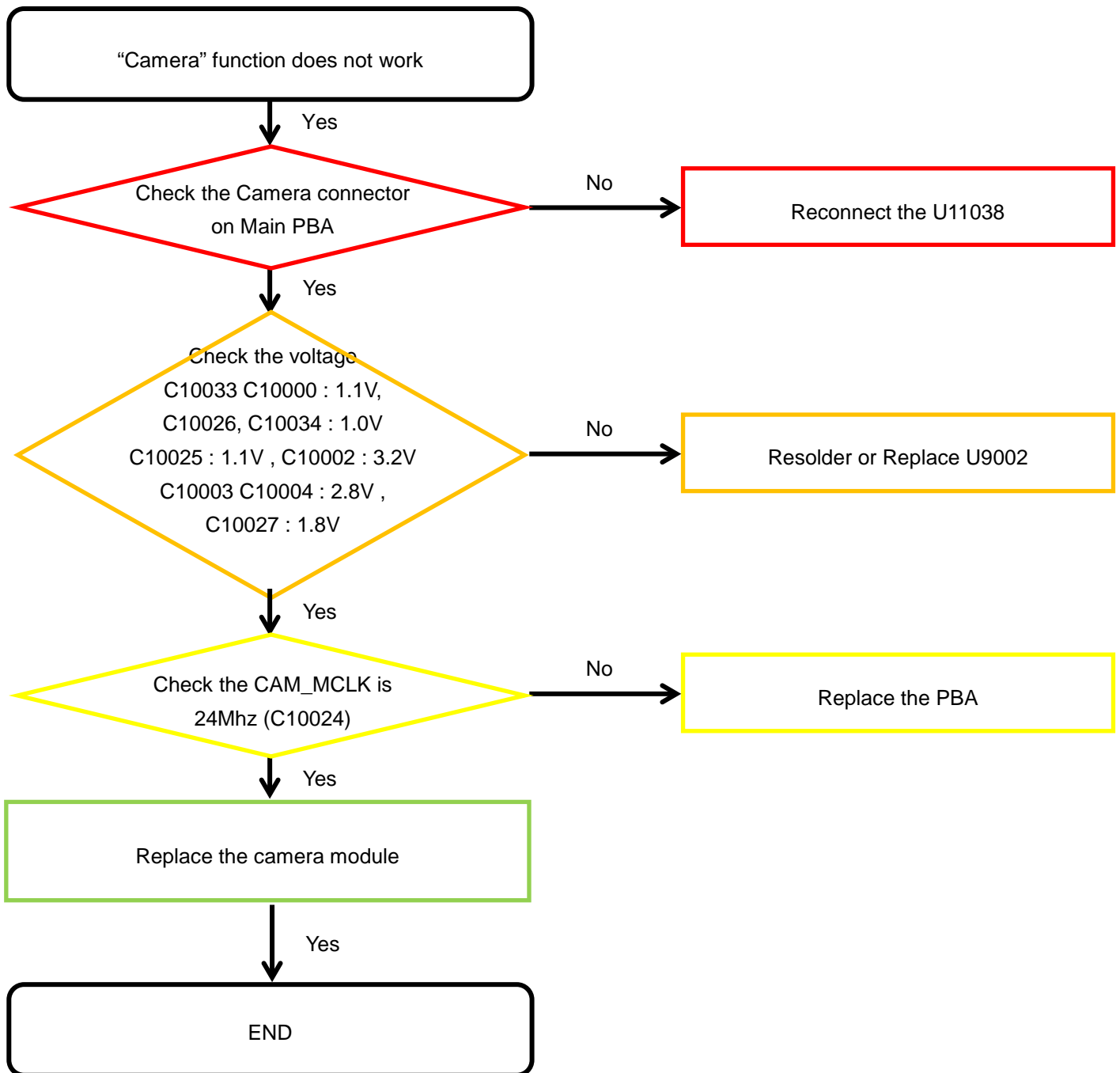
8. Level 3 Repair

8-4-15. VT CAMERA



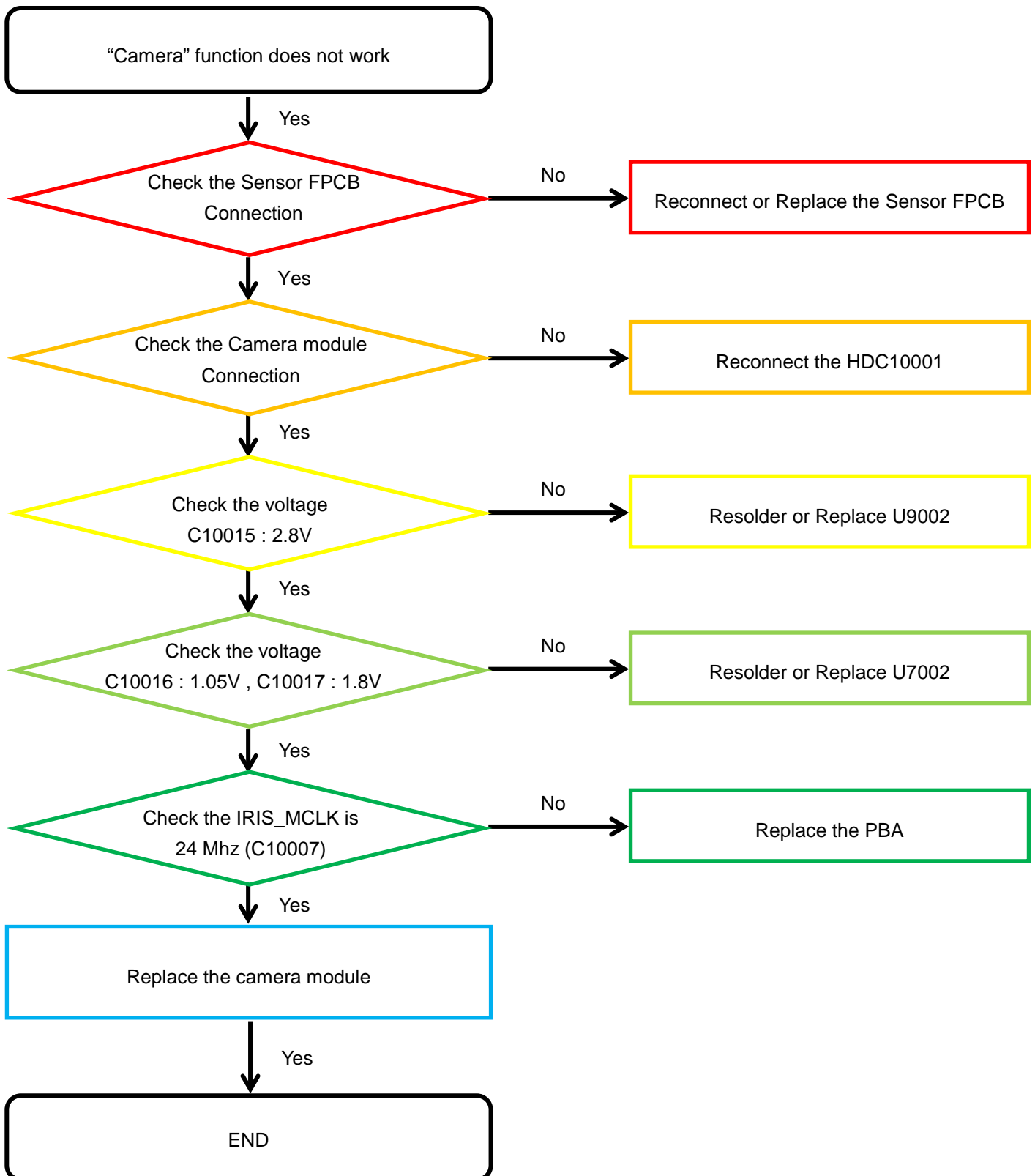
8. Level 3 Repair

8-4-16. 12M CAMERA



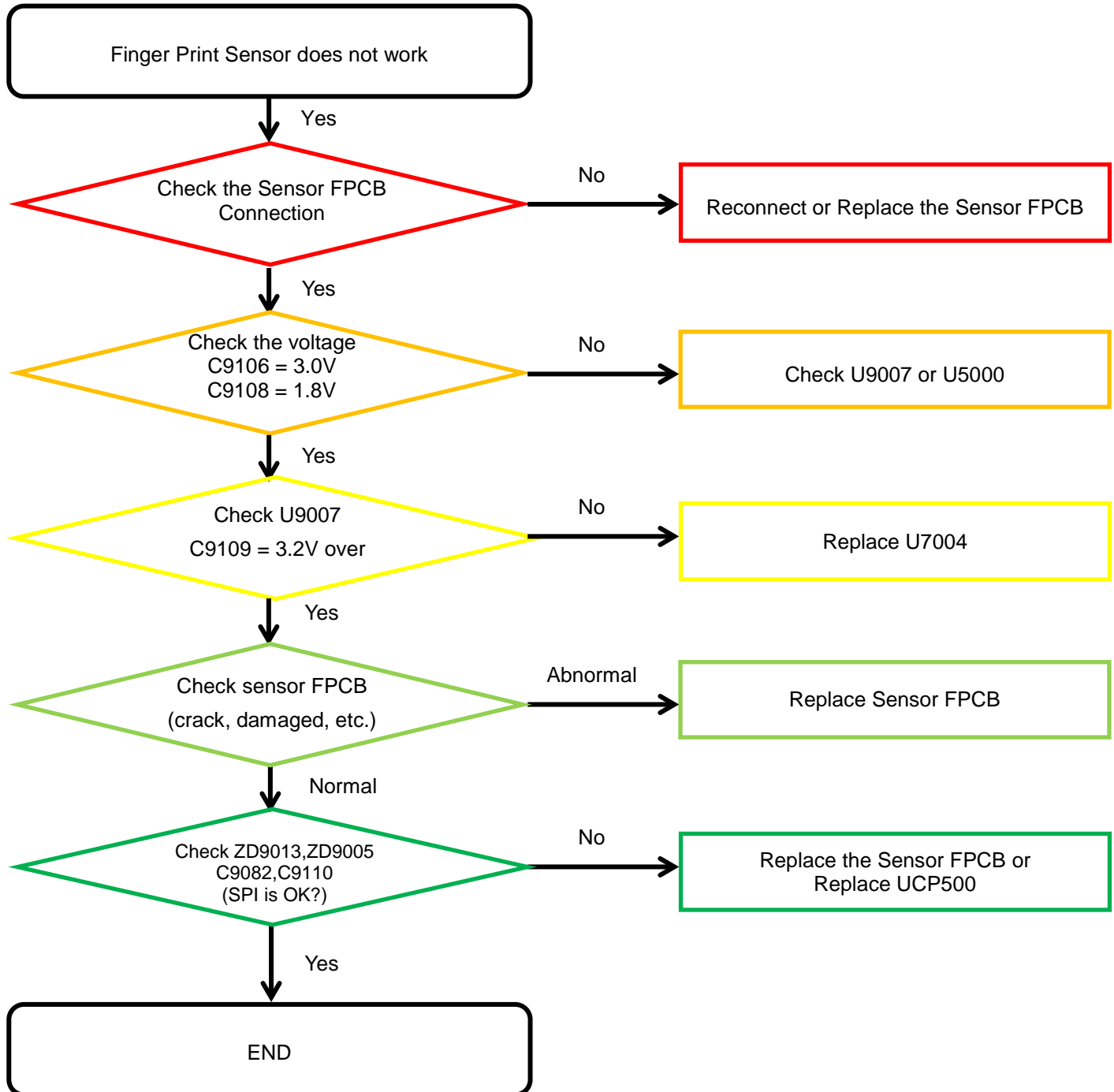
8. Level 3 Repair

8-4-17. IRIS CAMERA



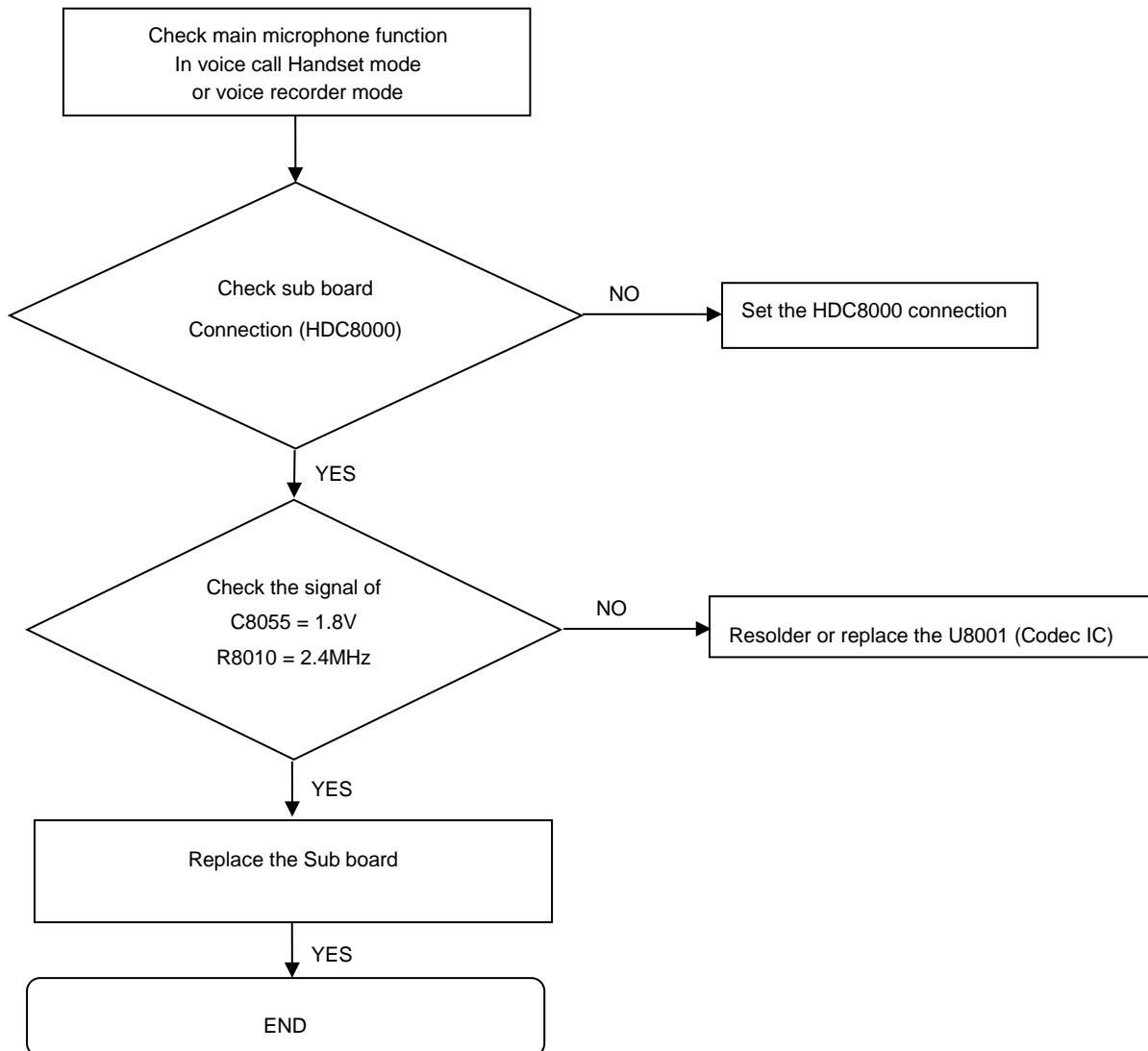
8. Level 3 Repair

8-4-18. Finger Print



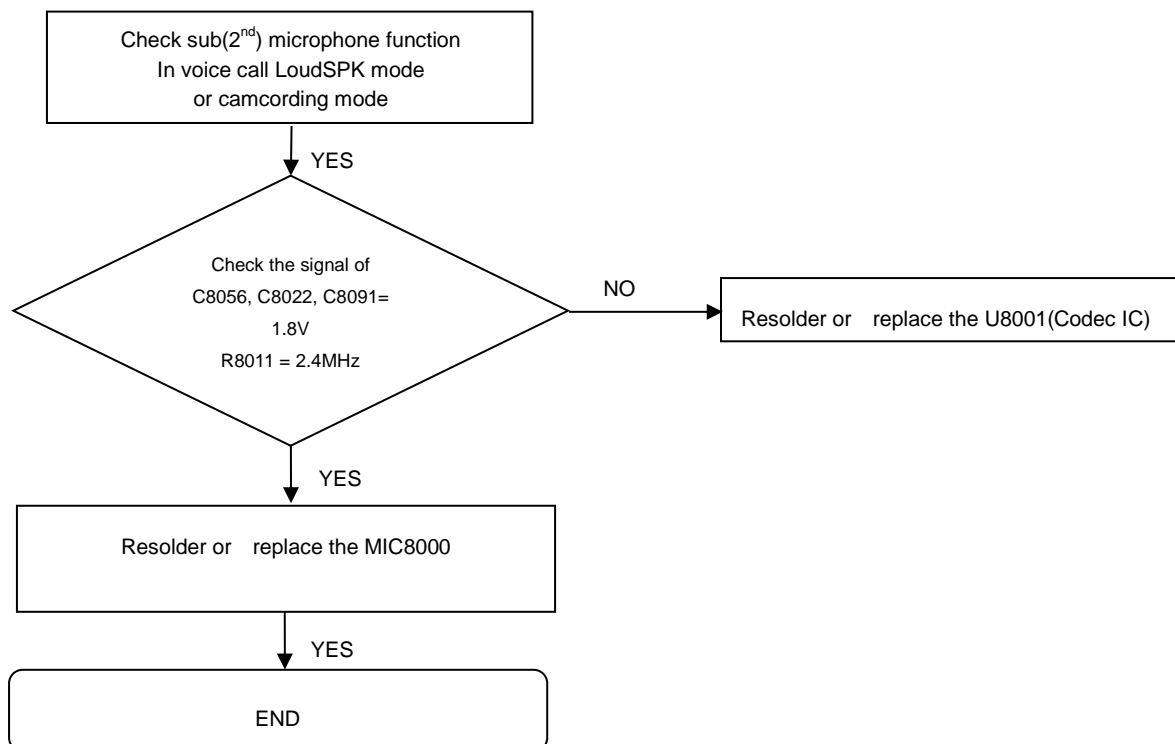
8. Level 3 Repair

8-4-19-1. Main MIC



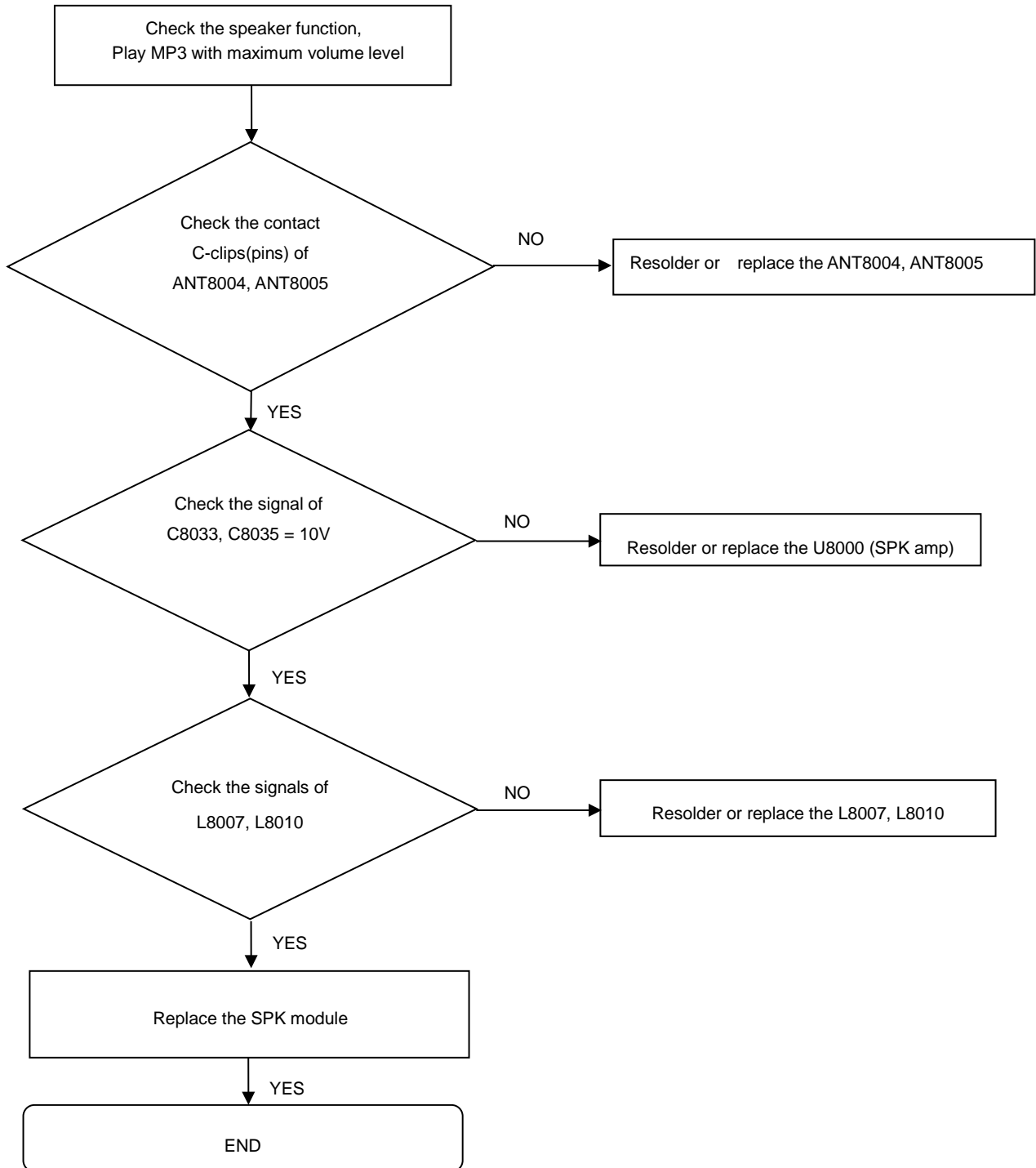
8. Level 3 Repair

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



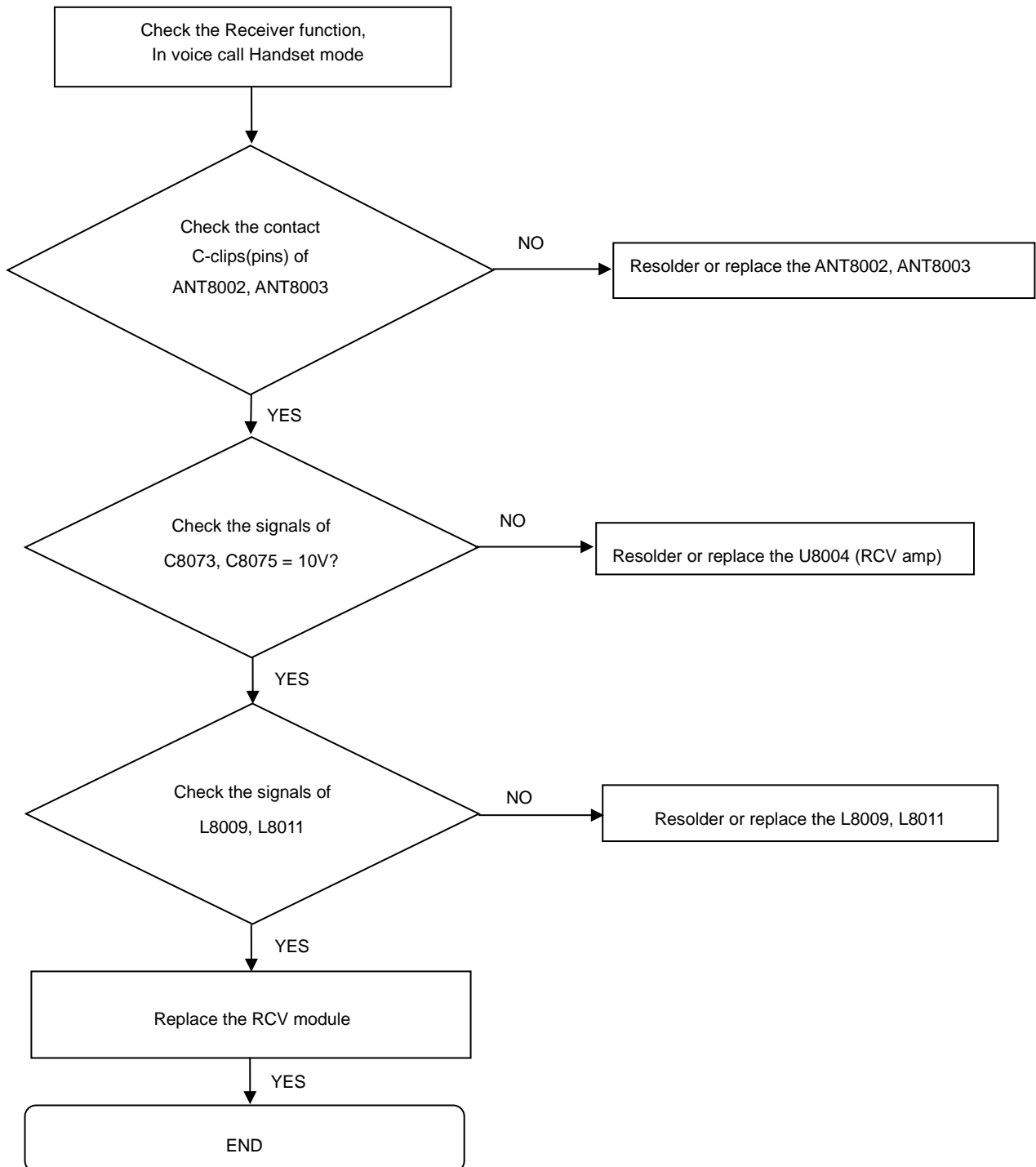
8. Level 3 Repair

8-4-20. Speaker part



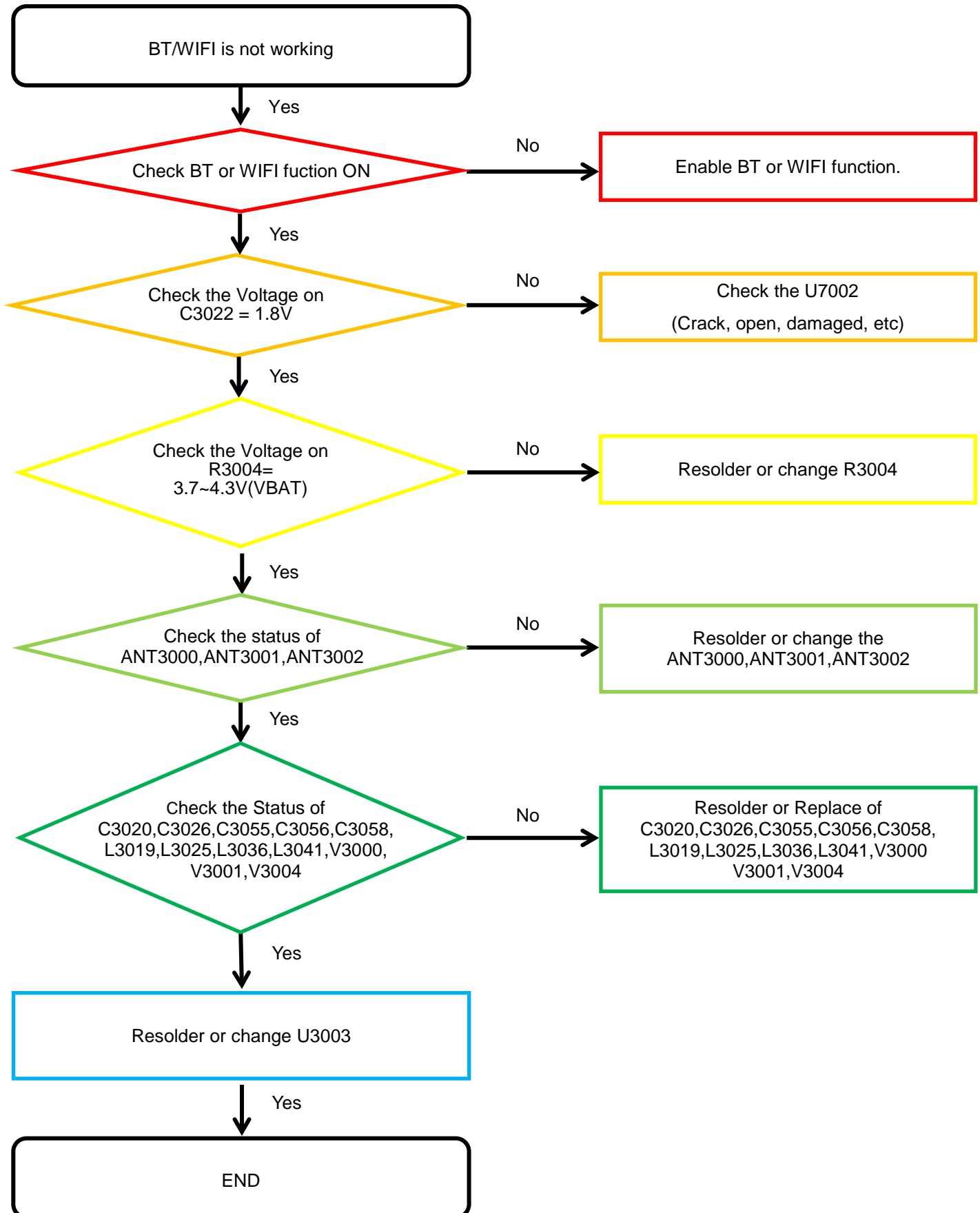
8. Level 3 Repair

8-4-21. Receiver part



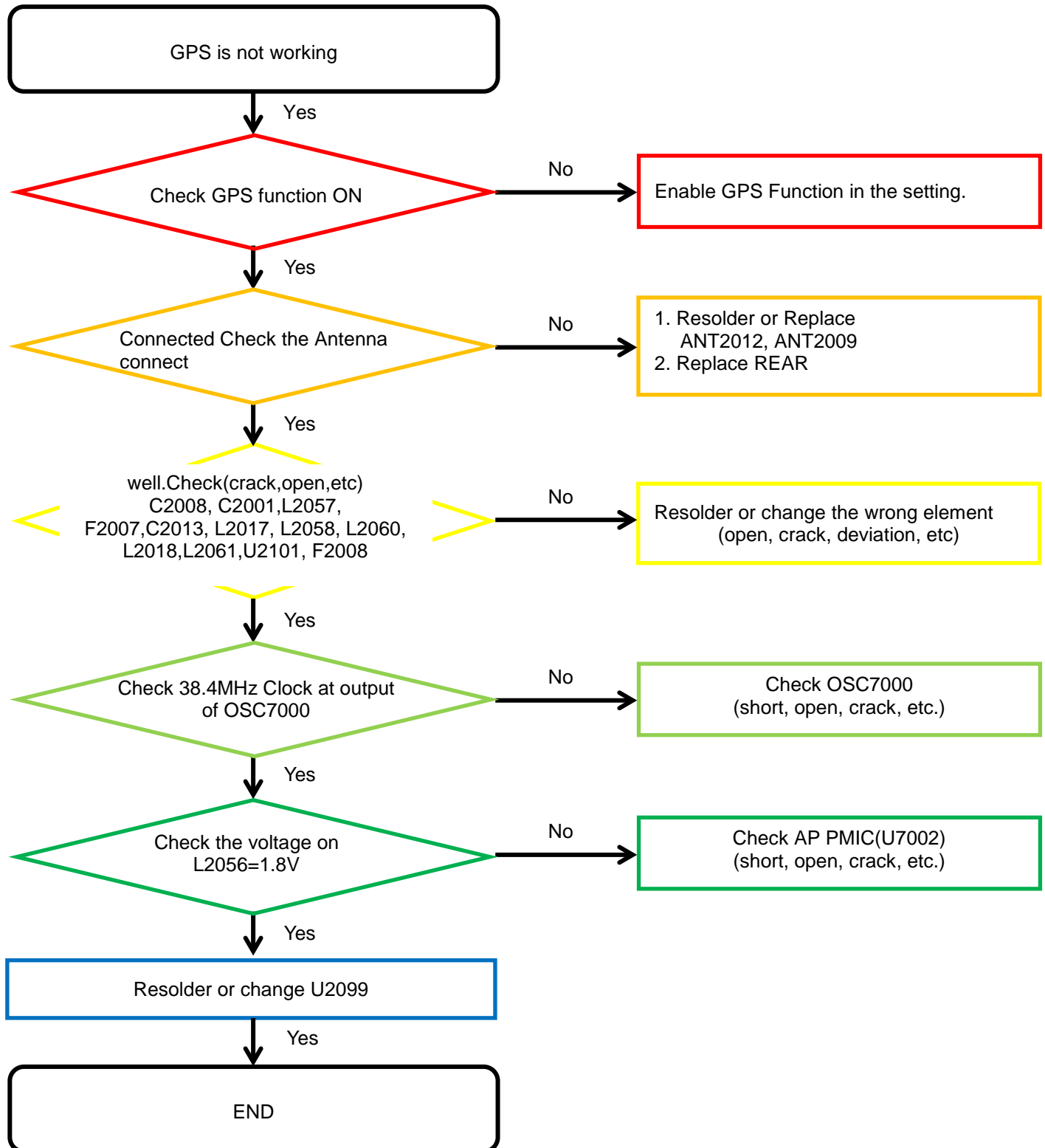
8. Level 3 Repair

8-4-22. BT/WIFI



8. Level 3 Repair

8-4-23. GPS



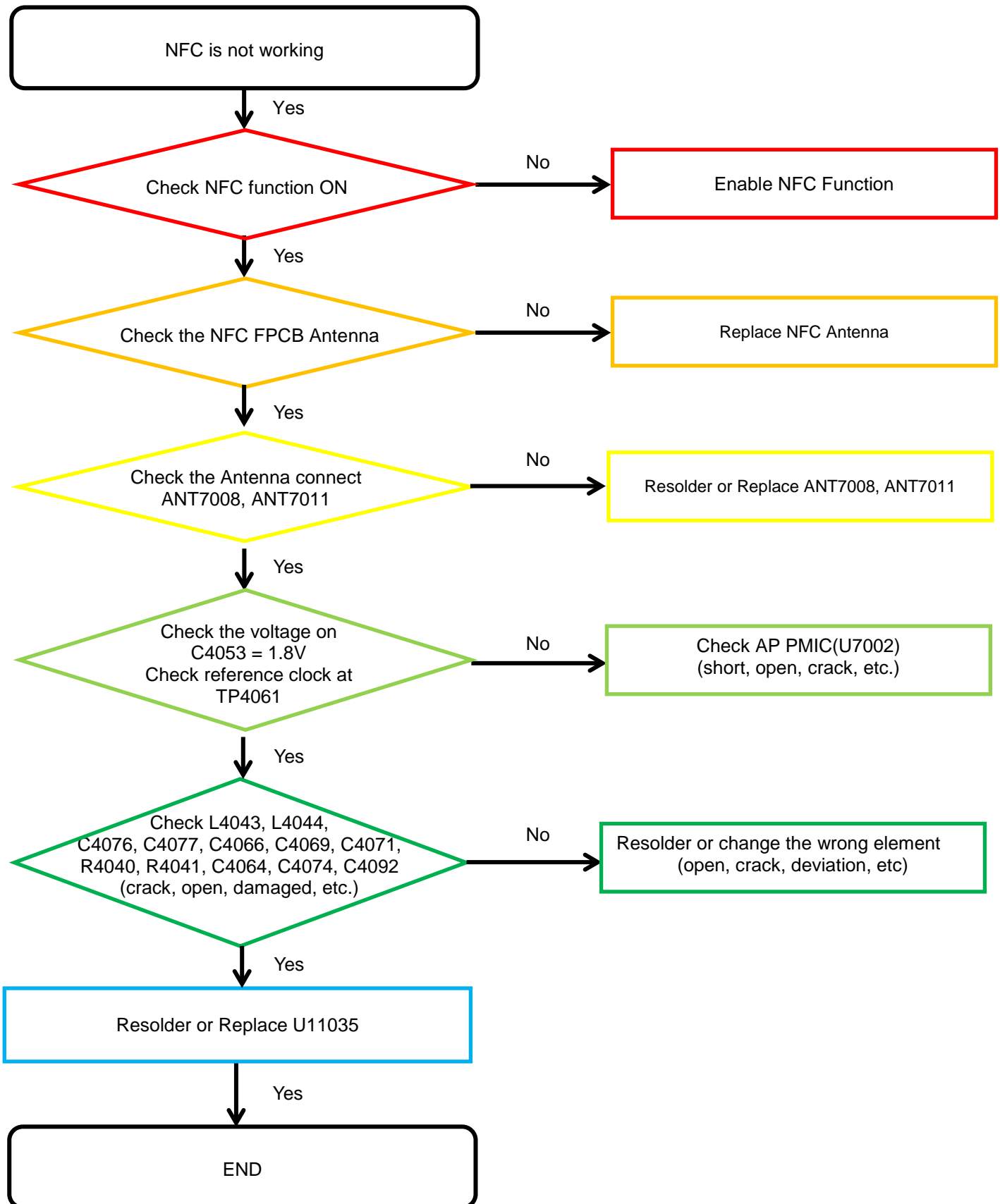
8. Level 3 Repair

8-4-24. FM Radio



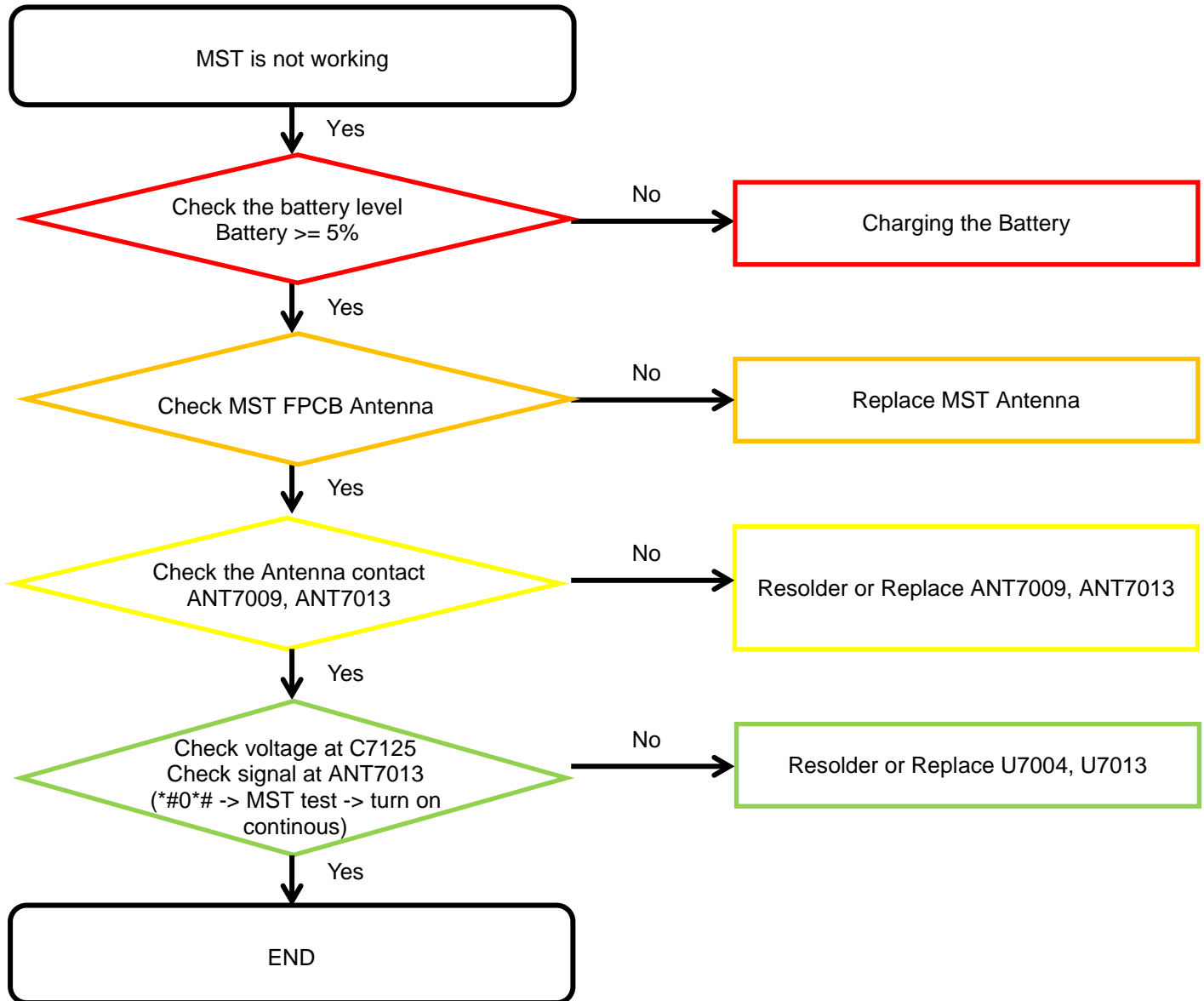
8. Level 3 Repair

8-4-25. NFC



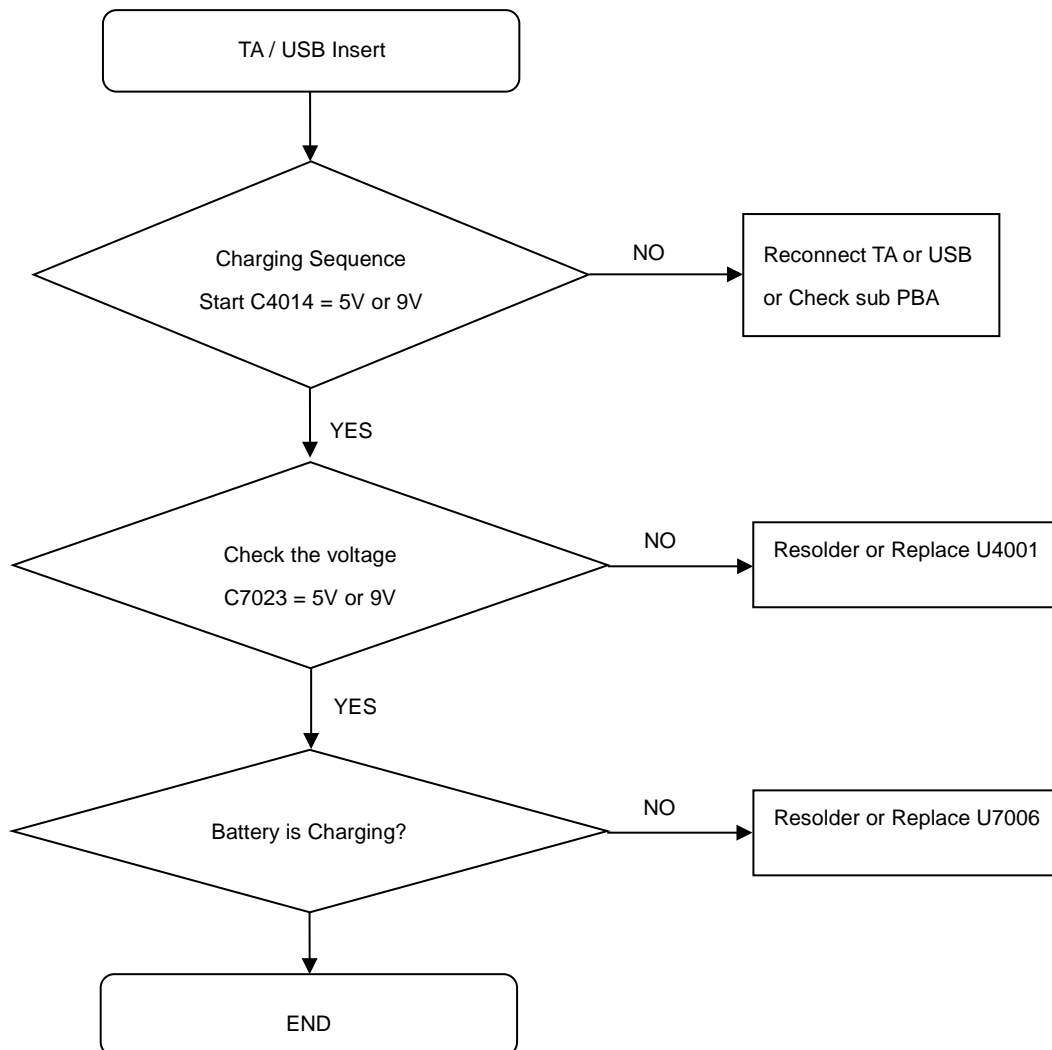
8. Level 3 Repair

8-4-26. MST



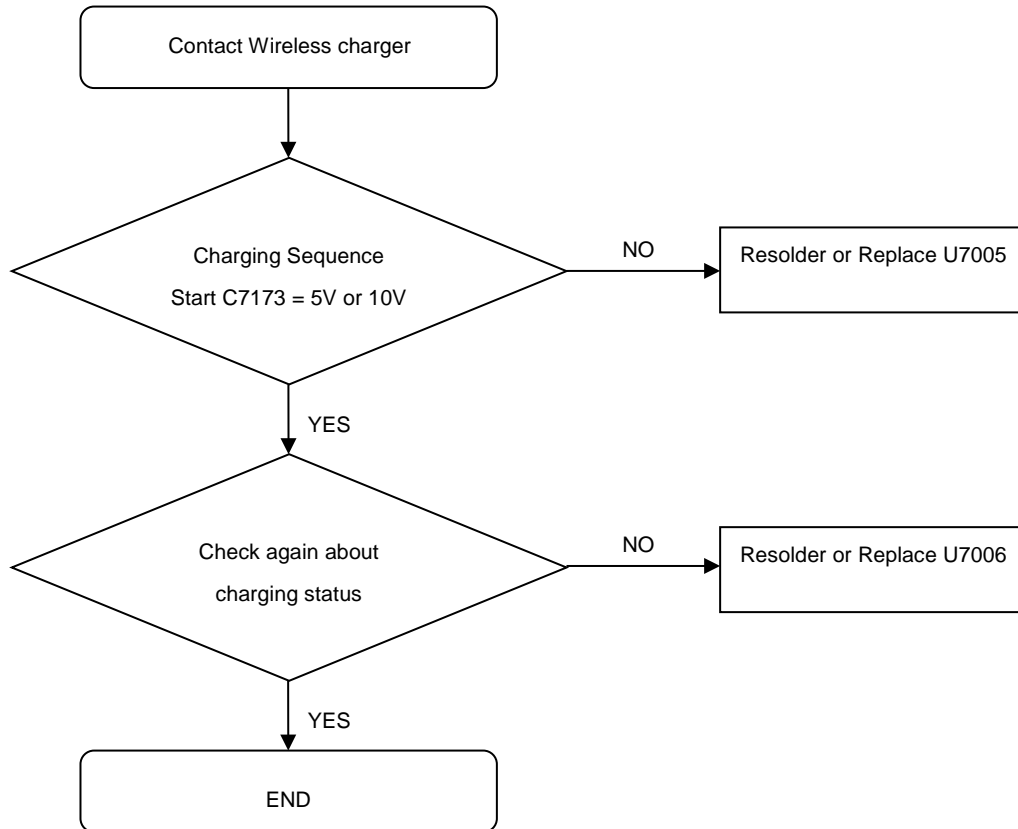
8. Level 3 Repair

8-4-27-1. Charging Part Wire Charging (Normal/Fast)



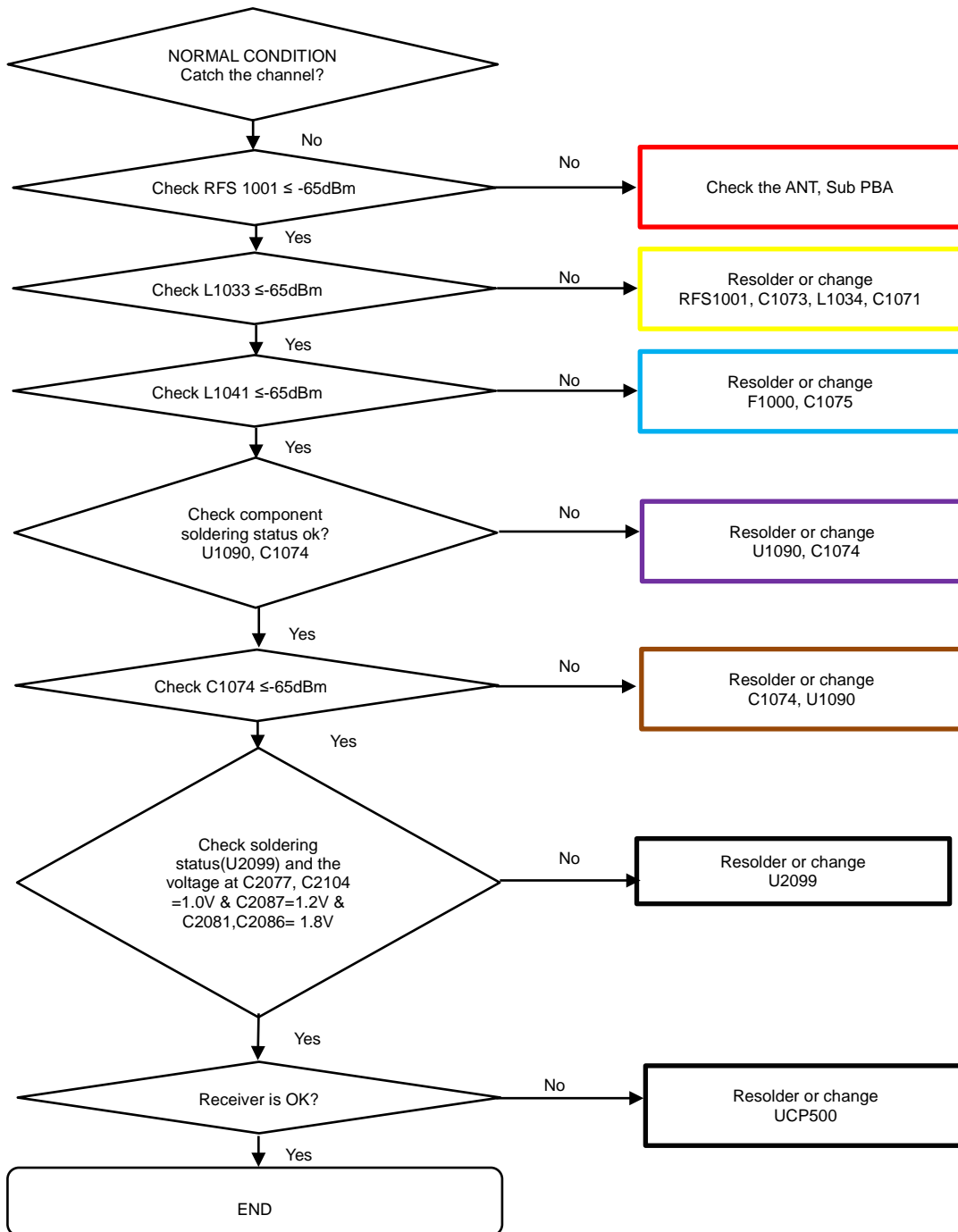
8. Level 3 Repair

8-4-27-2. Charging Part Wireless Charging (Normal/Fast)



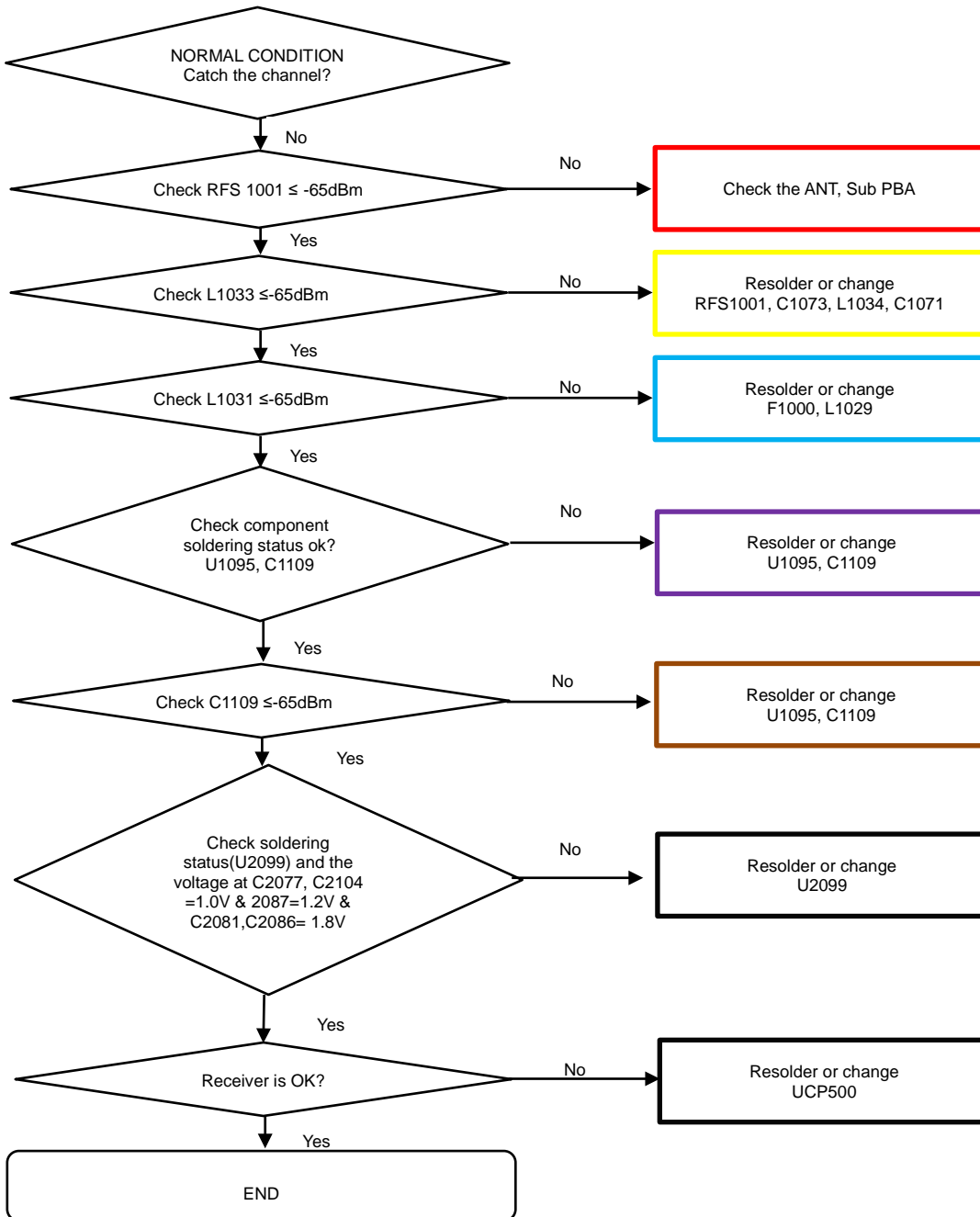
8. Level 3 Repair

8-4-28. GSM 850/900, CDMA BC0, WCDMA B5/8, LTE B5/8/12/13/17/18/19/20/26/28/71 RX



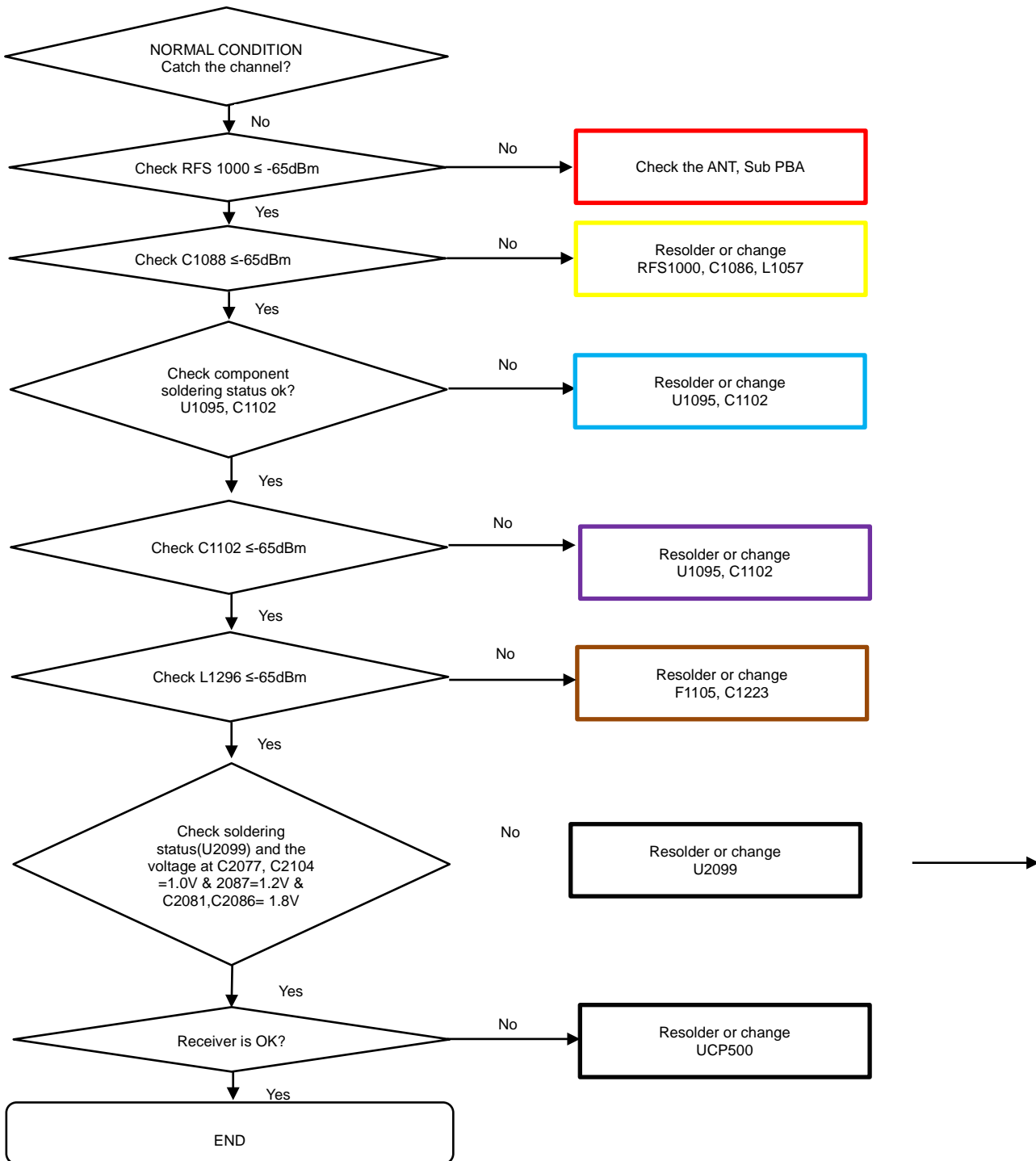
8. Level 3 Repair

8-4-29. GSM 1800/1900, WCDMA B1/2/4, TDSCDMA B34/39, LTE B1/2/3/4/25/39/66 RX



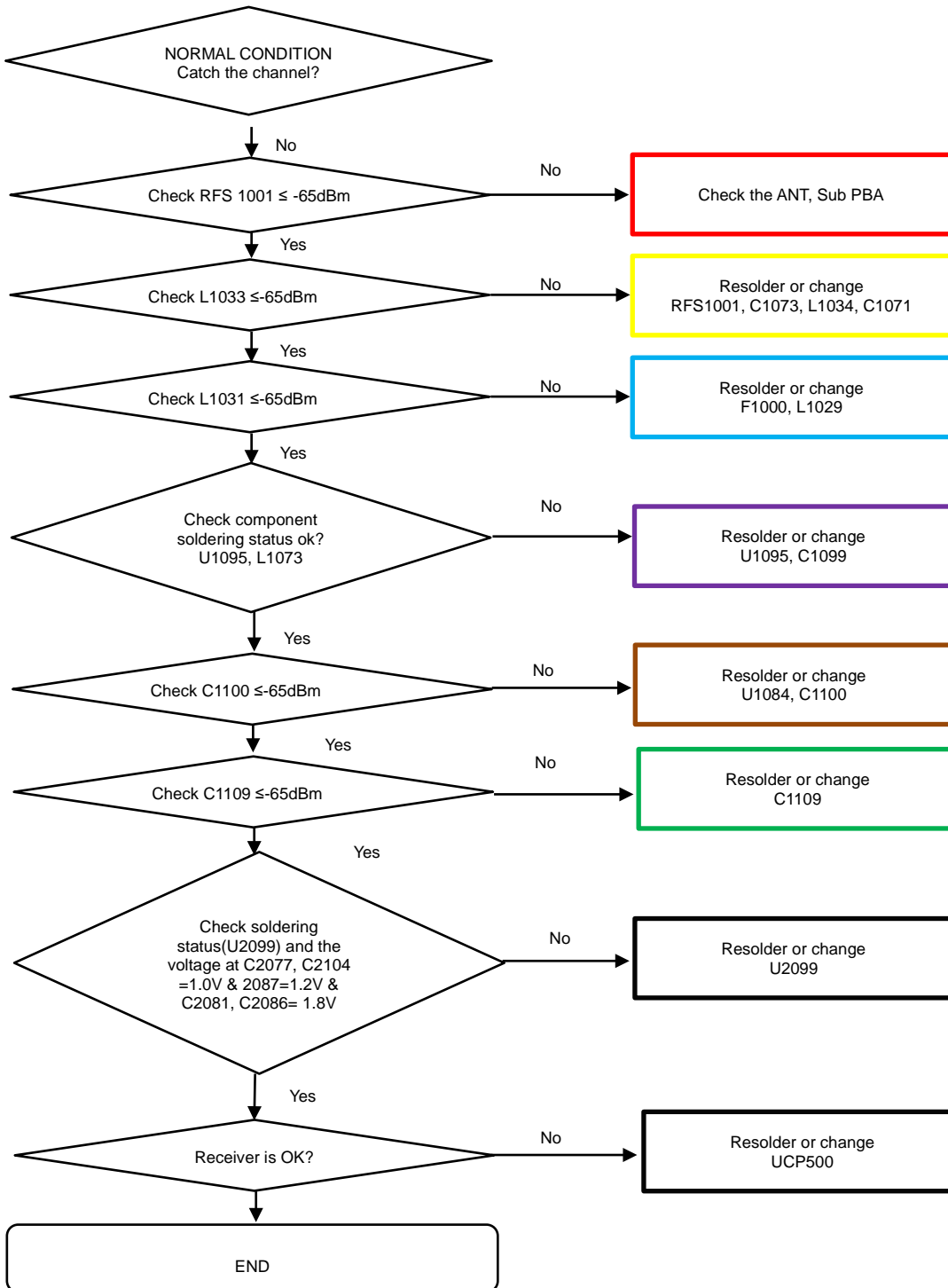
8. Level 3 Repair

8-4-30. LTE B7/38/40/41 RX



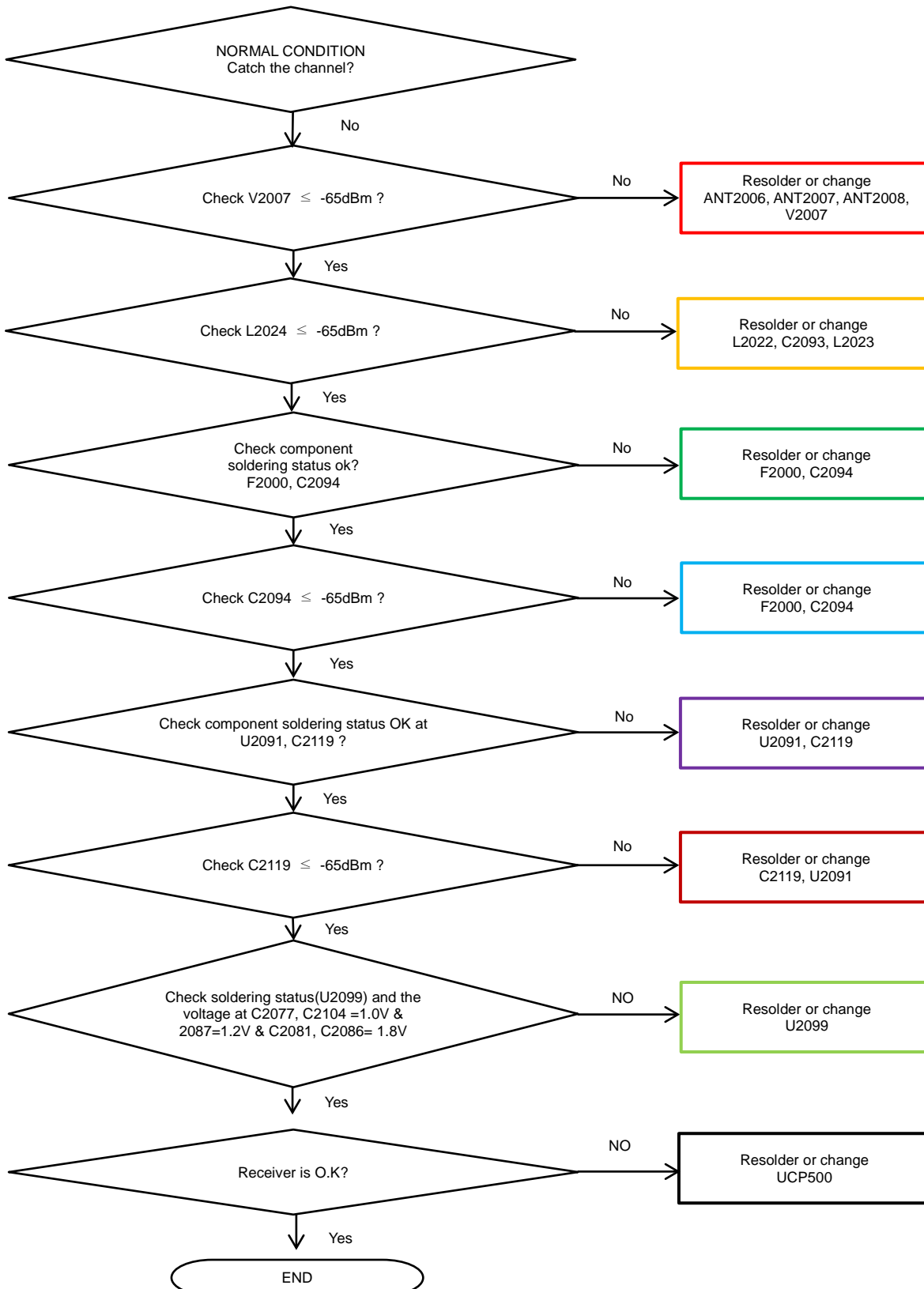
8. Level 3 Repair

8-4-31. LTE B34 RX



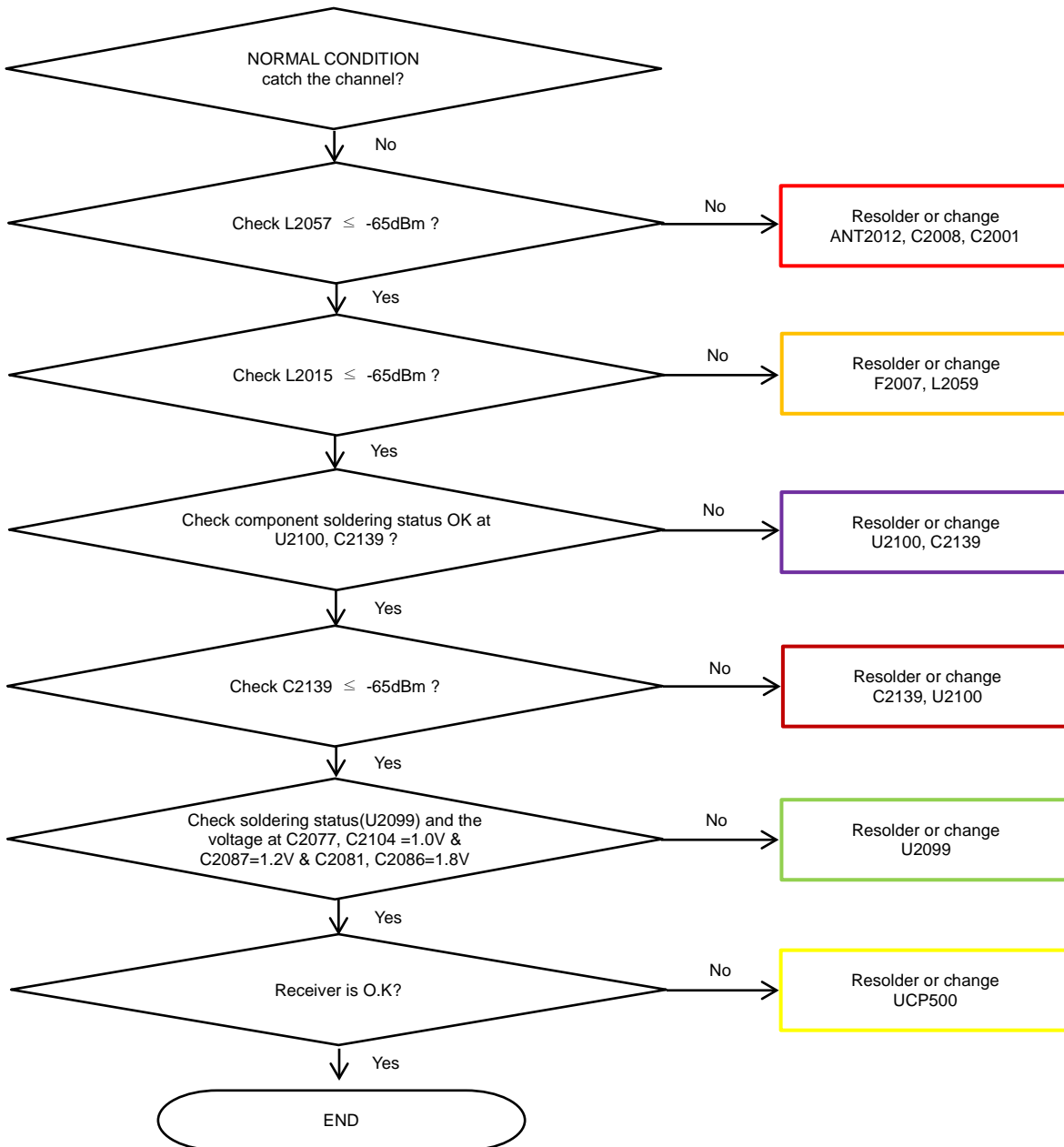
8. Level 3 Repair

8-4-32. CDMA BC0, GSM 850/900, WCDMA B5/8, LTE B5/8/12/13/17/18/19/20/26/28 DRX



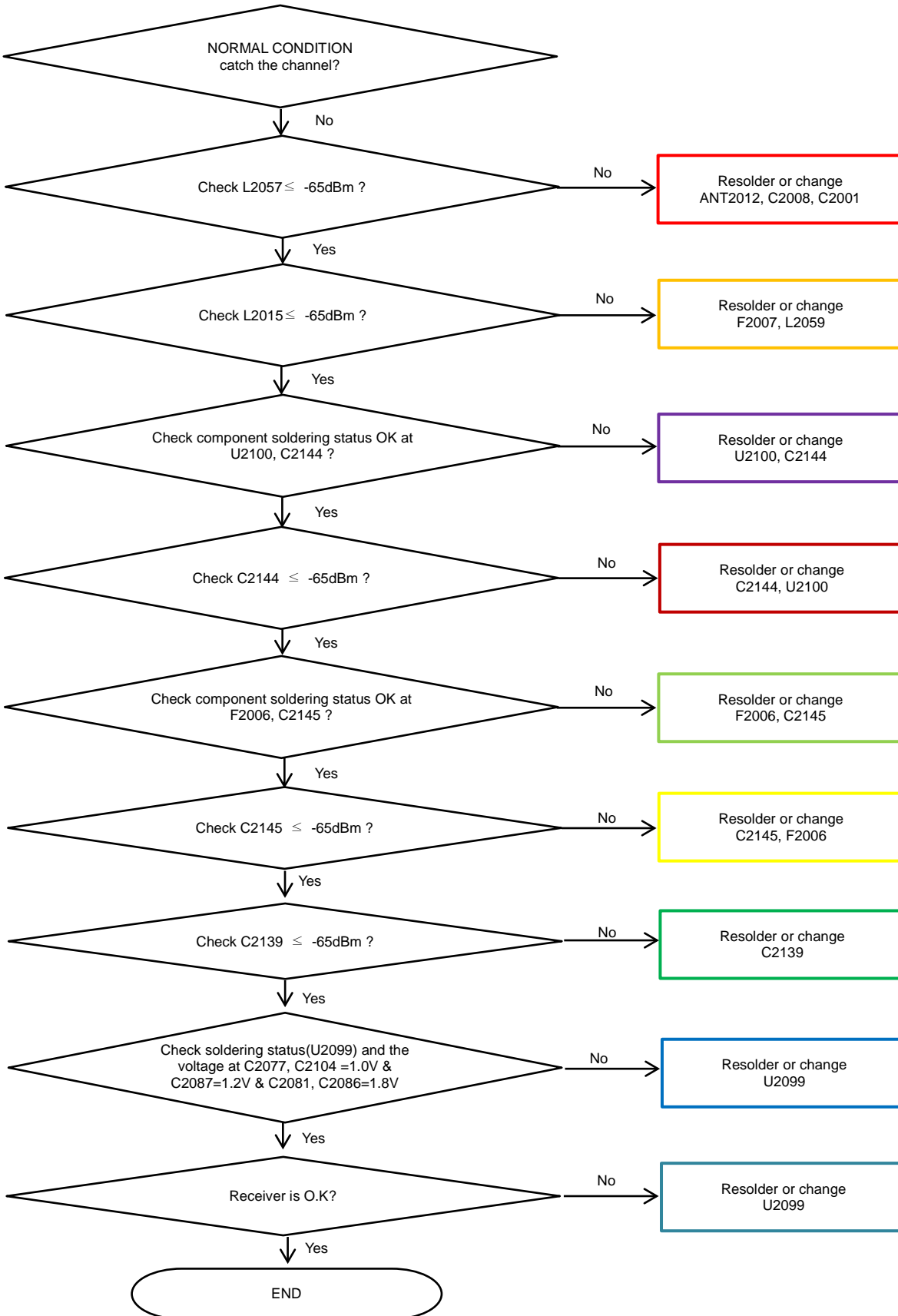
8. Level 3 Repair

8-4-33. GSM1800/1900, WCDMA B1/2/4, LTE B1/2/3/4/25/66 DRX



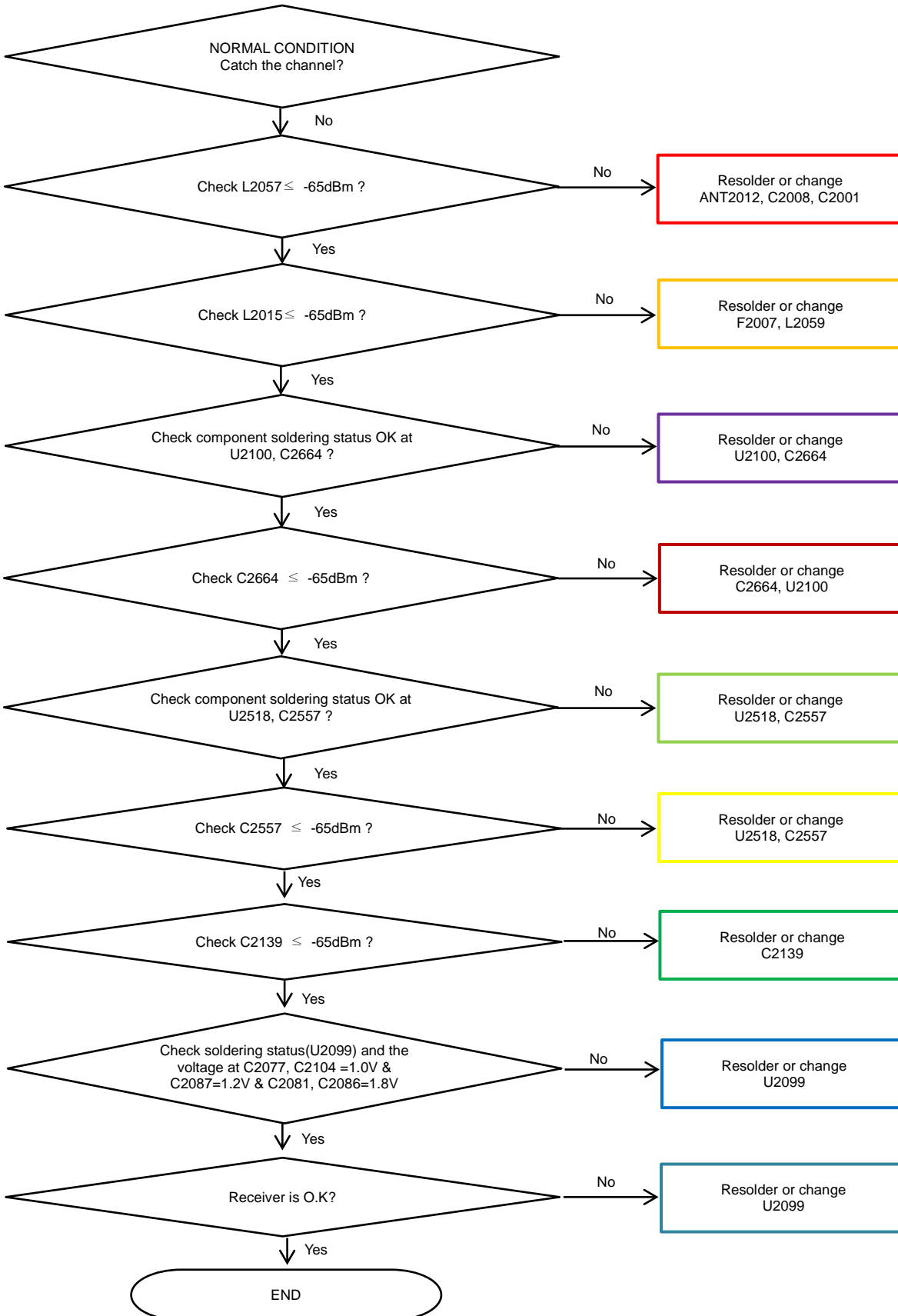
8. Level 3 Repair

8-3-34. LTE 38/41 DRX



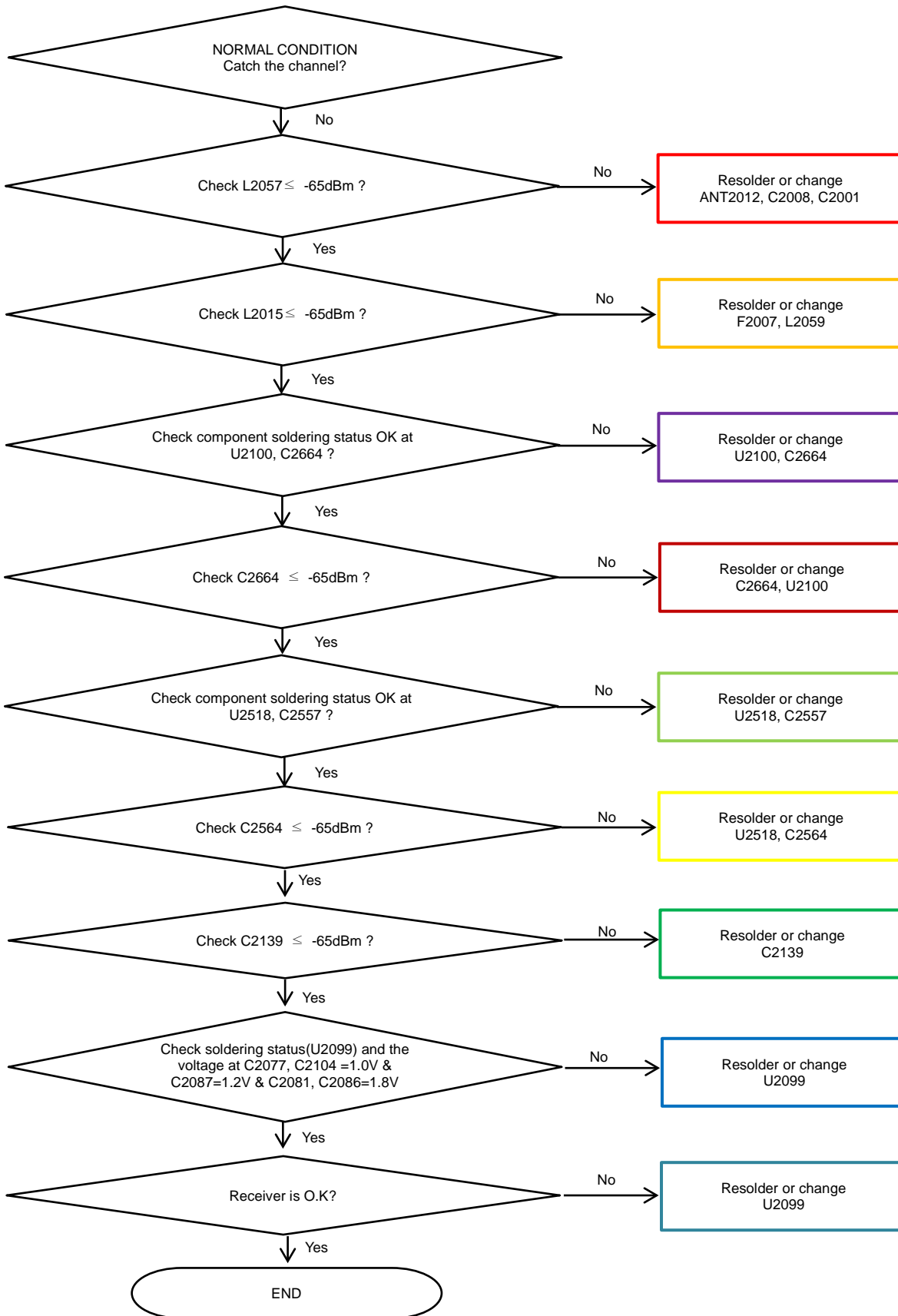
8. Level 3 Repair

8-3-35. LTE B34 DRX



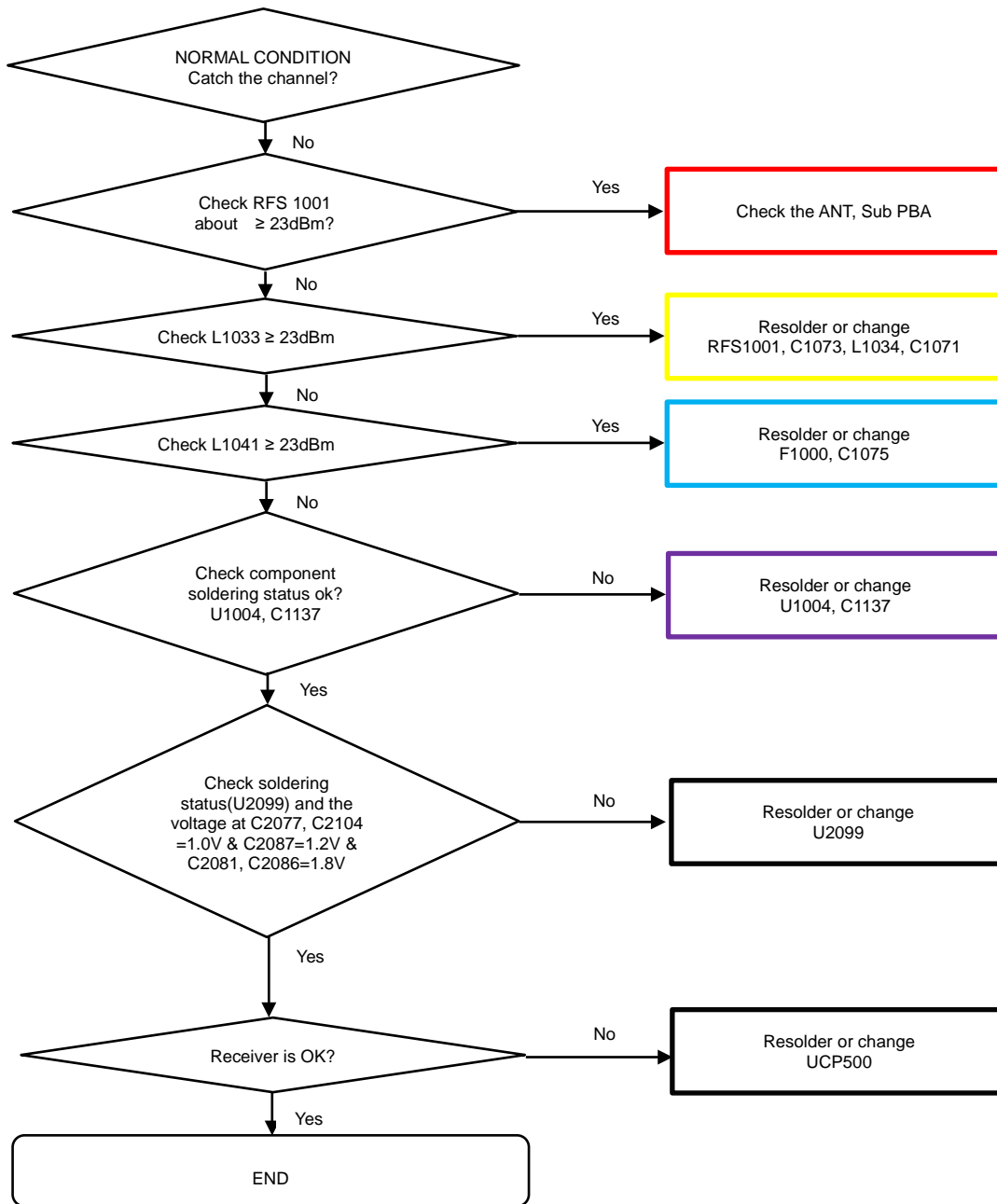
8. Level 3 Repair

8-3-36. LTE B39 DRX



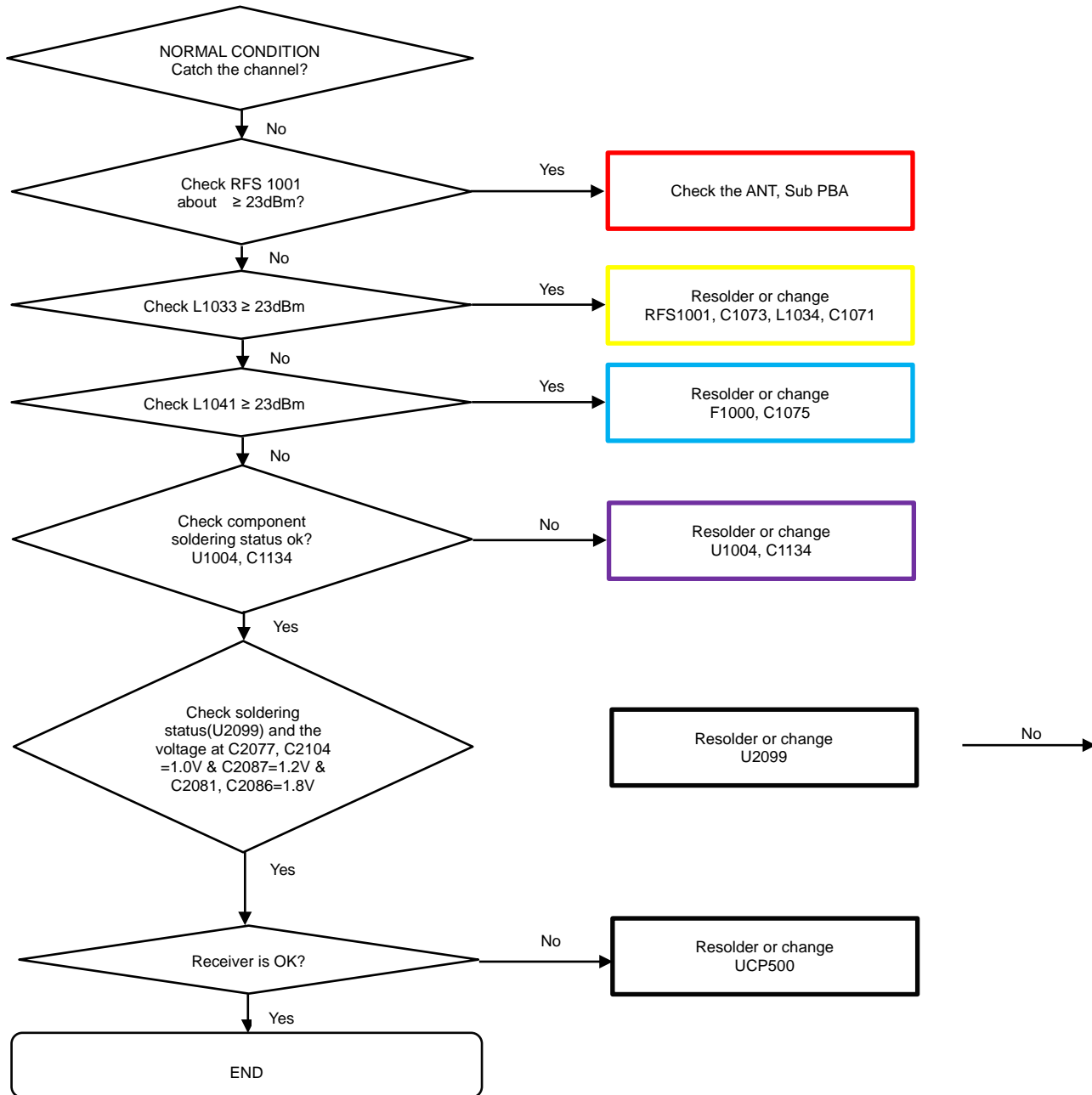
8. Level 3 Repair

8-4-37. GSM 850/900 TX



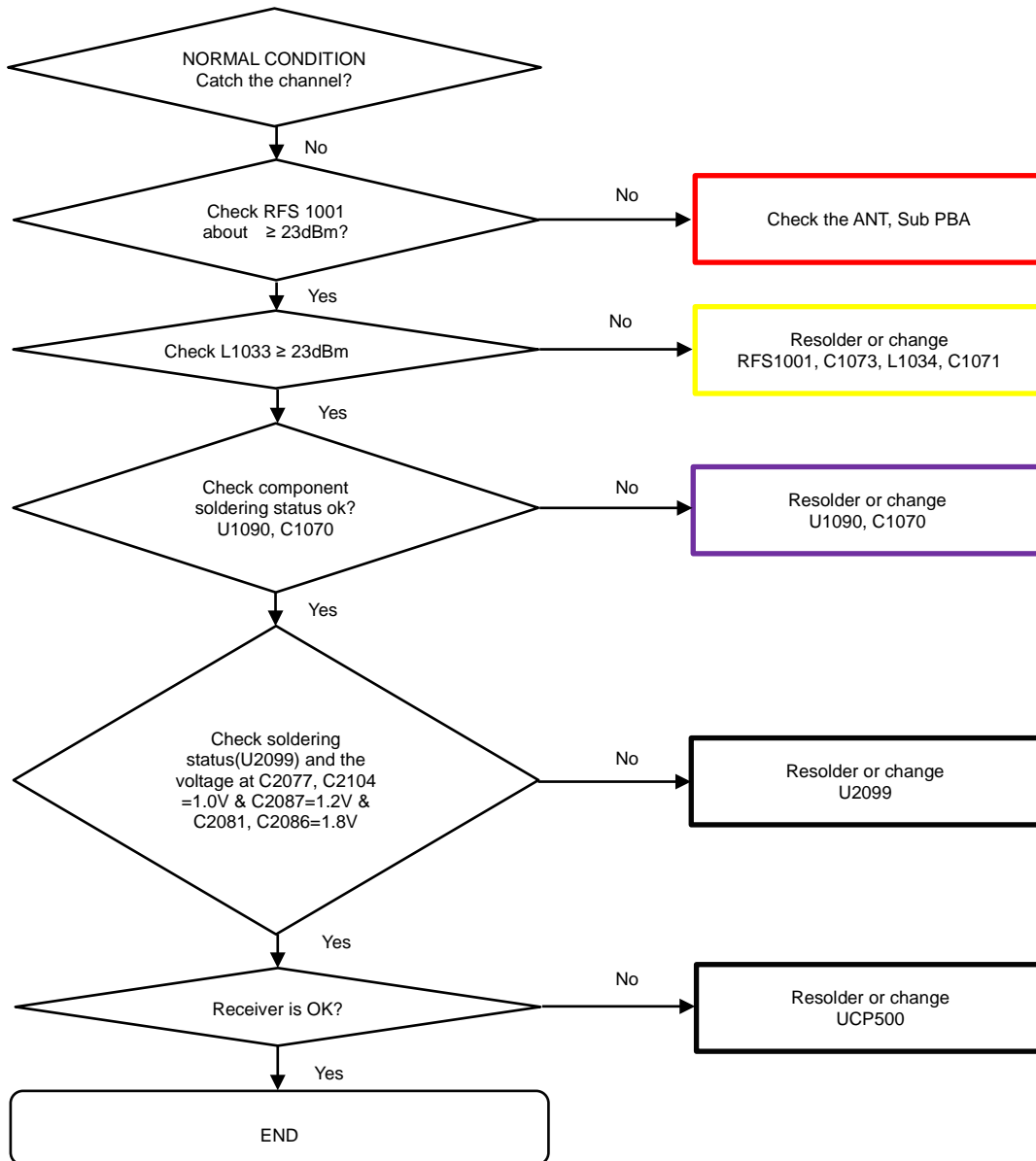
8. Level 3 Repair

8-4-38. GSM 1800/1900 TX



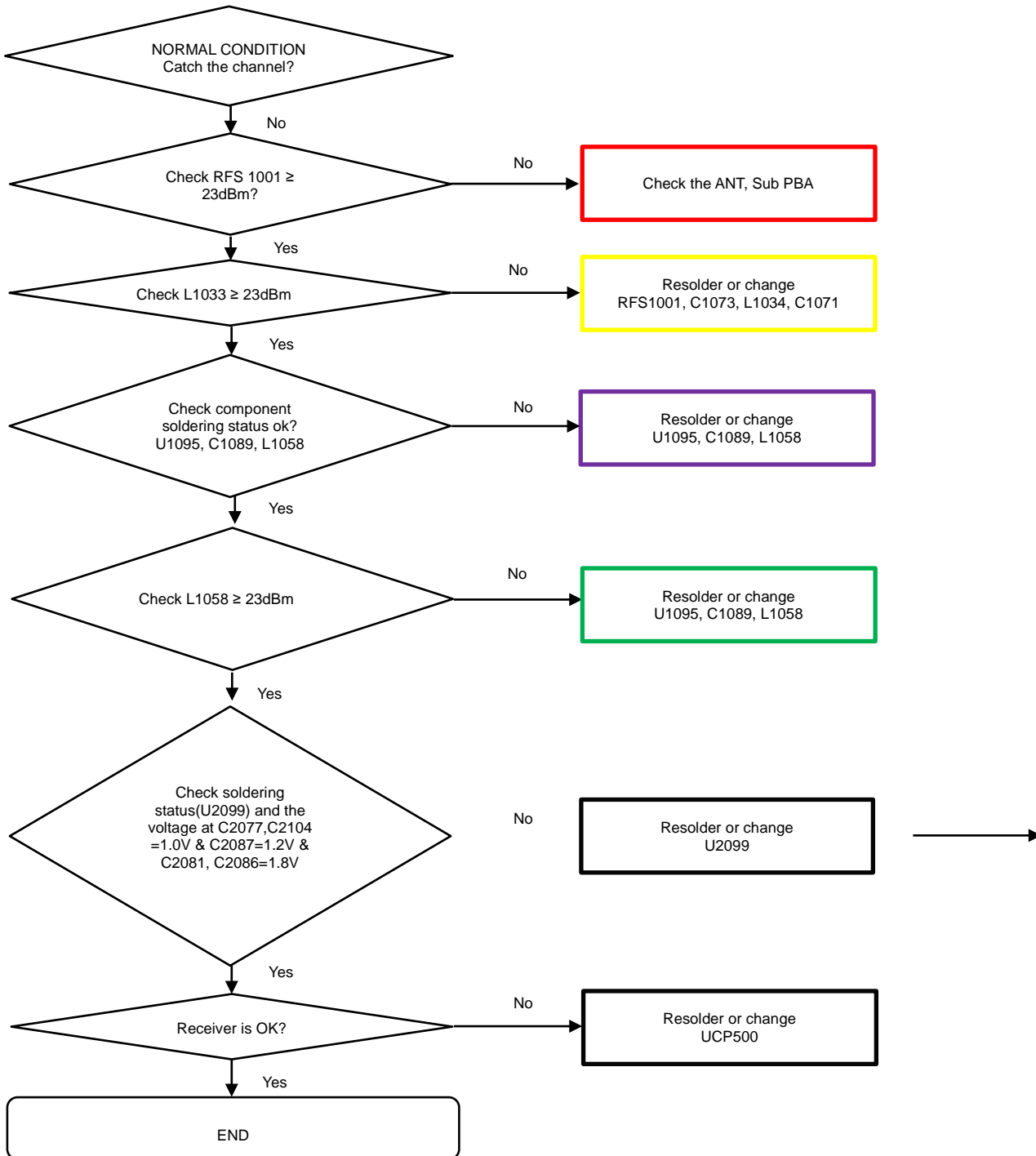
8. Level 3 Repair

8-4-39. CDMA BC0, WCDMA B5/8, LTE5/8/12/13/17/18/19/20/26/28 TX



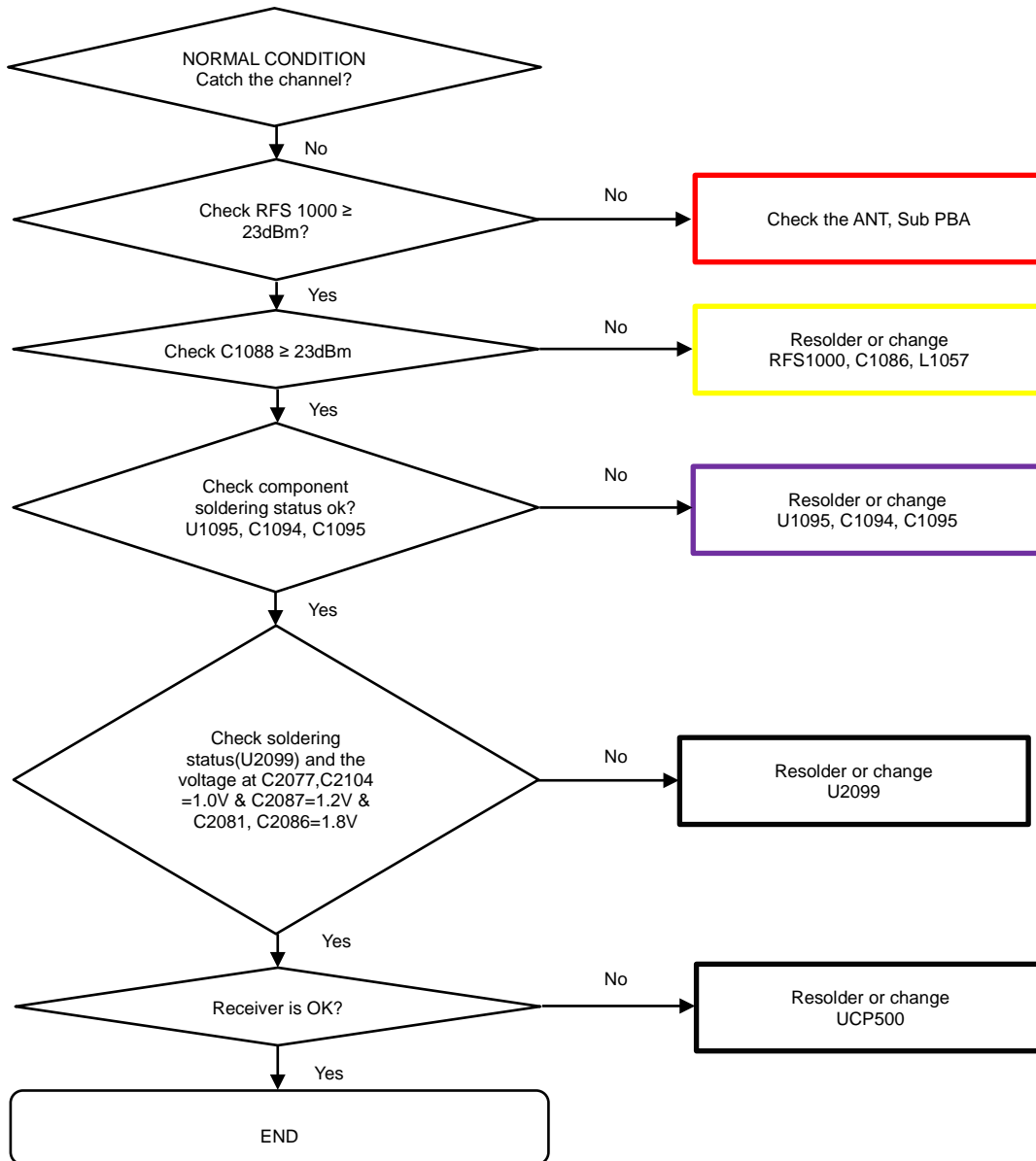
8. Level 3 Repair

8-4-40. TDSCDMA B34/39, WCDMA B1/2/4, LTE B1/2/3/4/25/34/39/66 TX



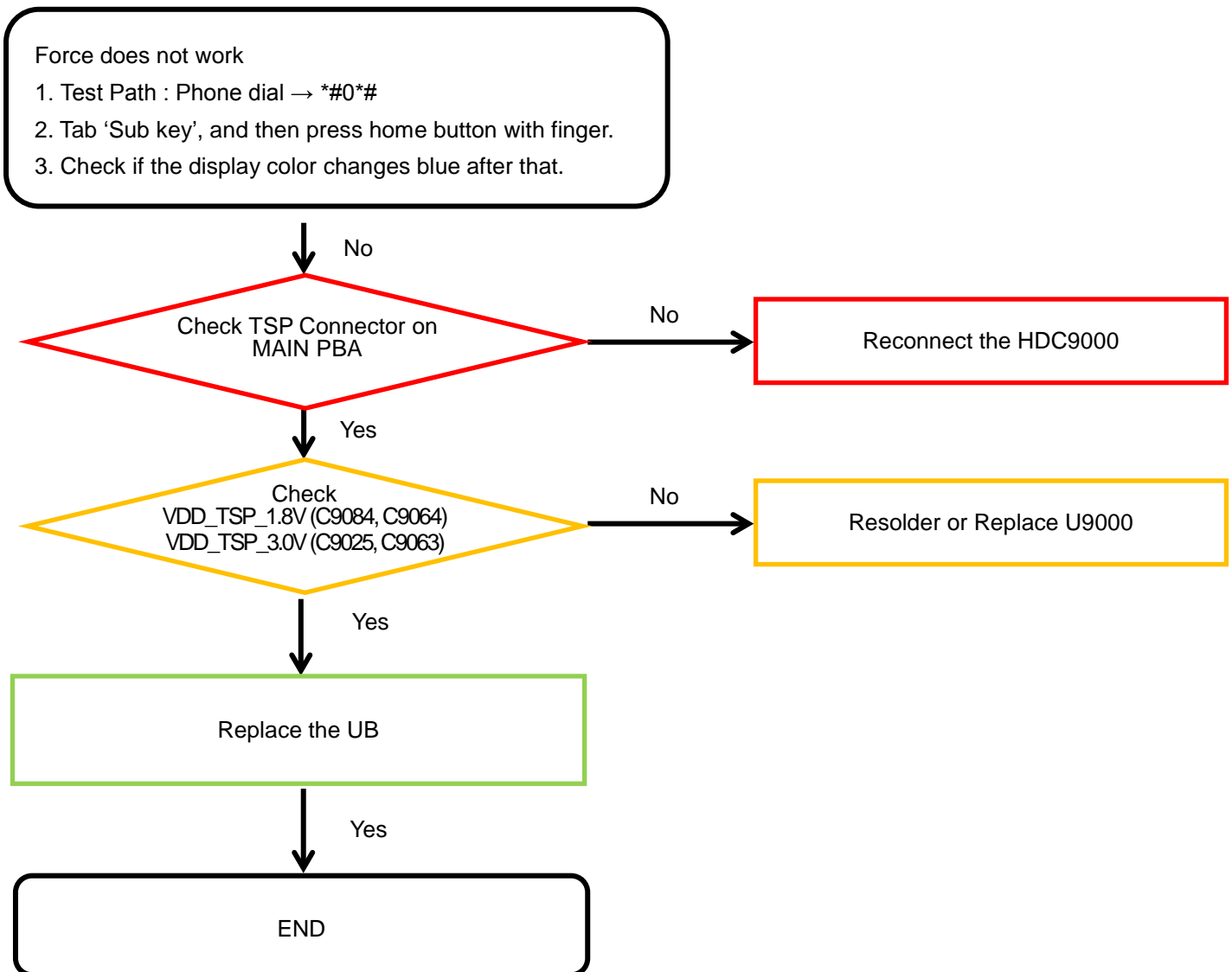
8. Level 3 Repair

8-4-41. LTE B7/38/40/41 TX



8. Level 3 Repair

8-4-42. Force Touch



8. Level 3 Repair

8-4-43. Dex Station

