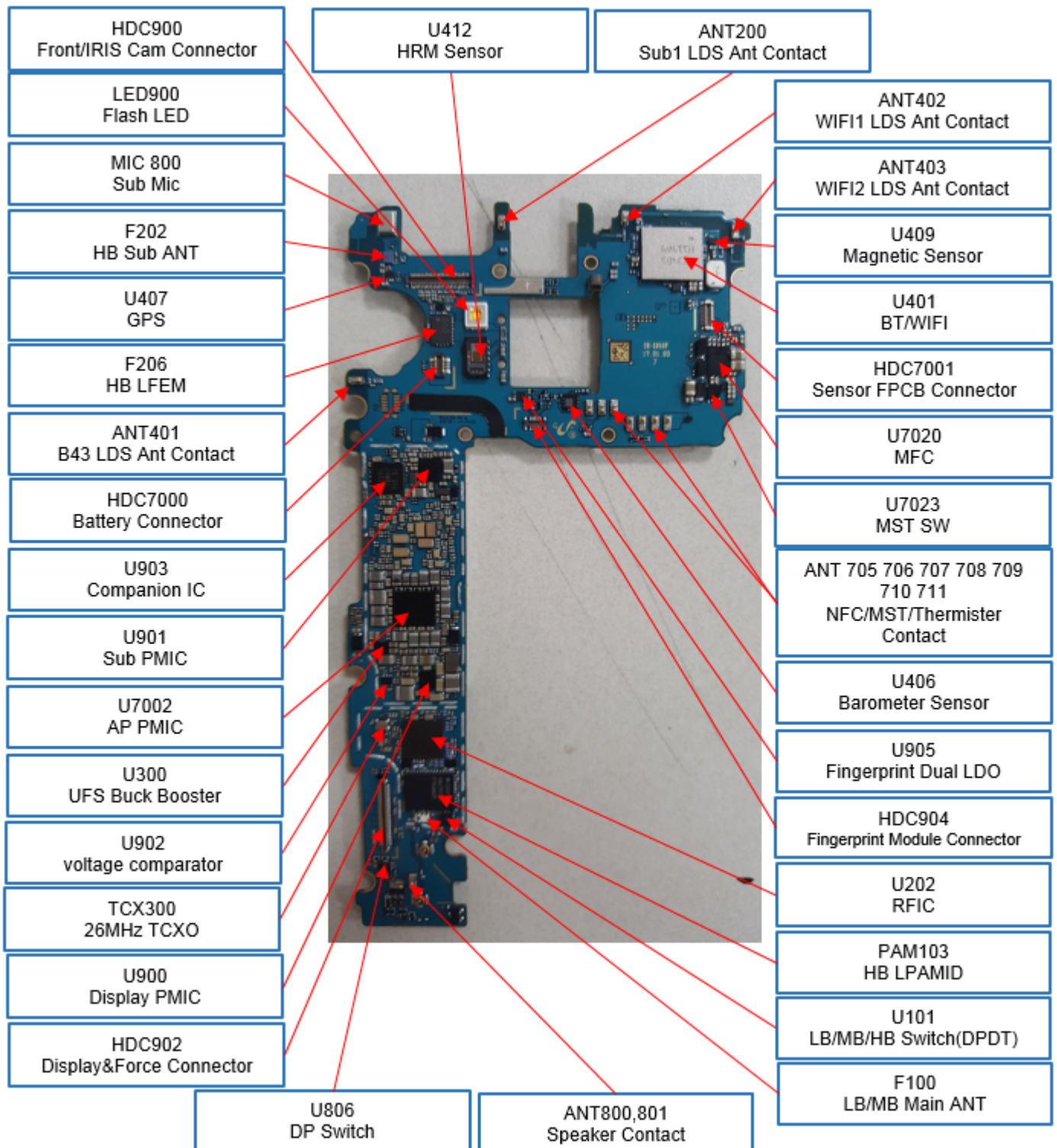
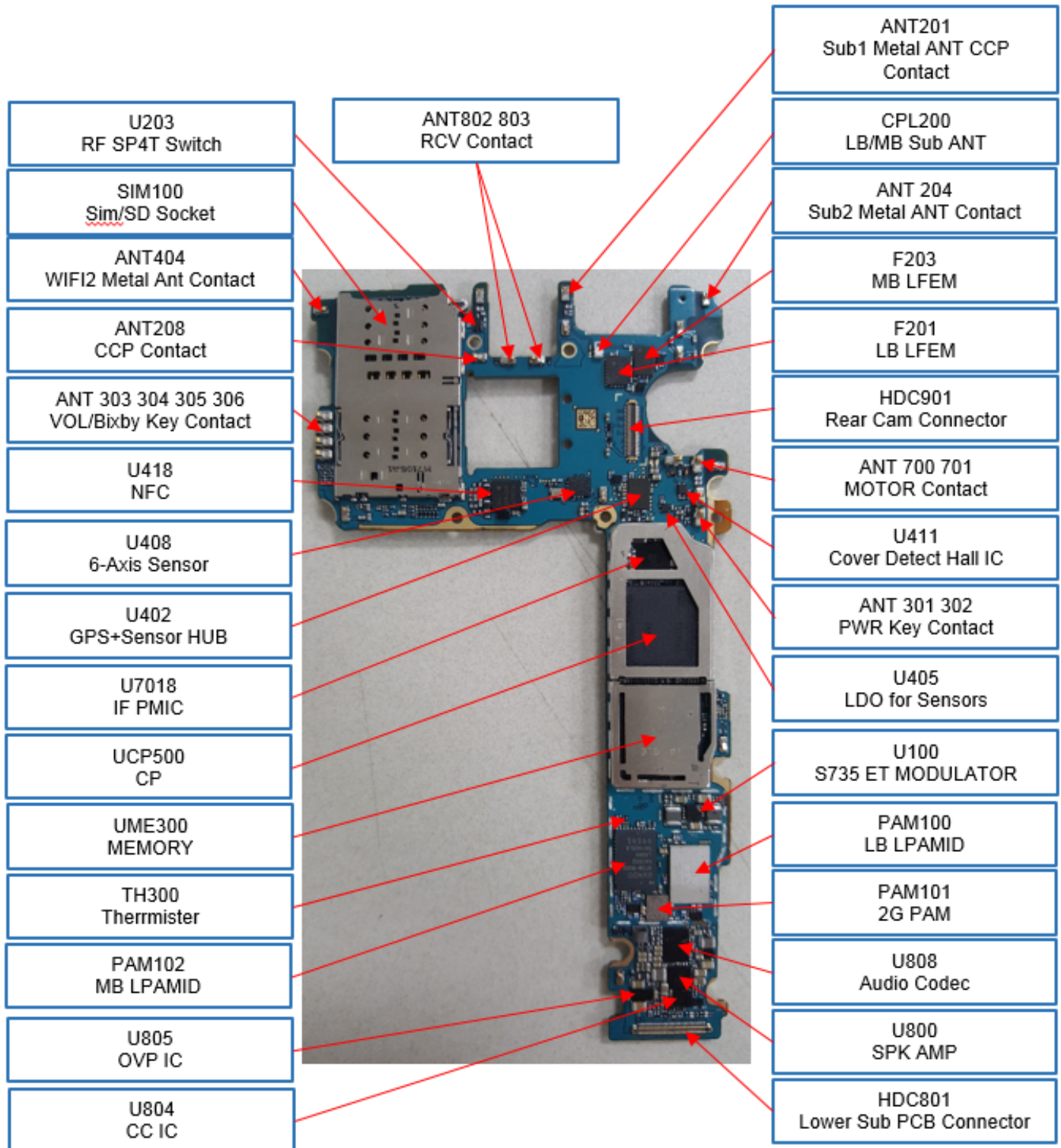


8. Level 3 Repair

8-1. Components Layout

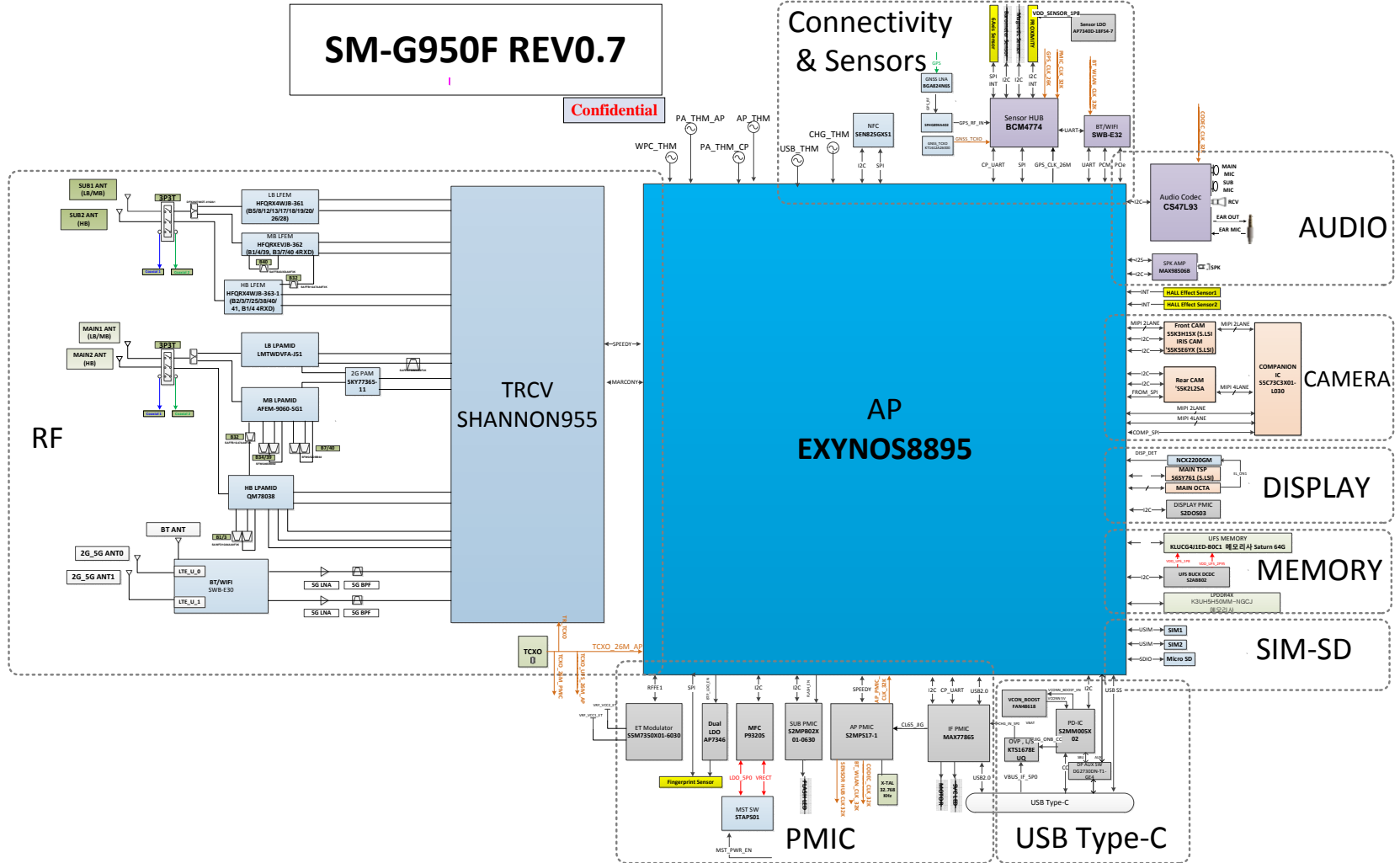


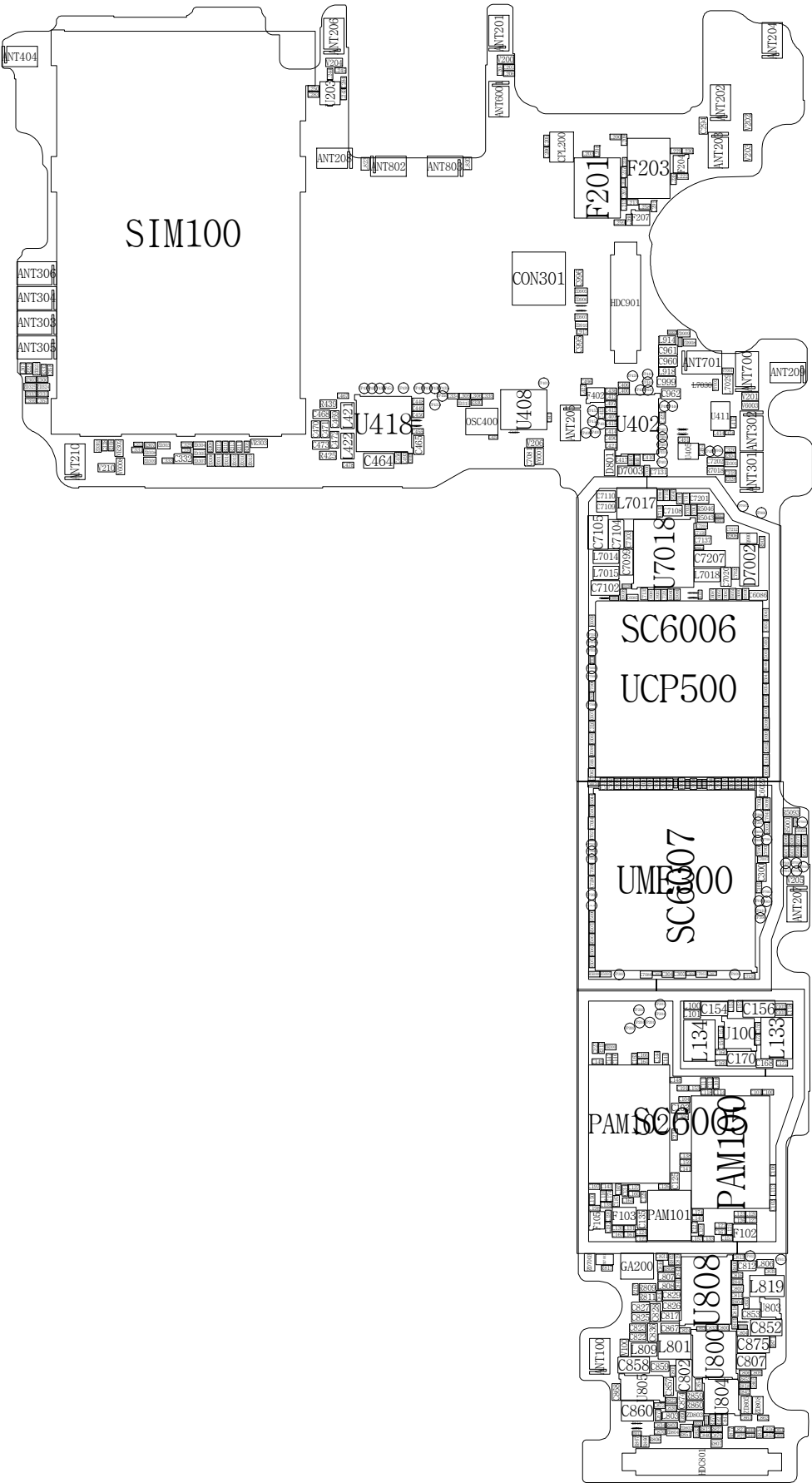
8. Level 3 Repair



SM-G950F REV0.7

Confidential





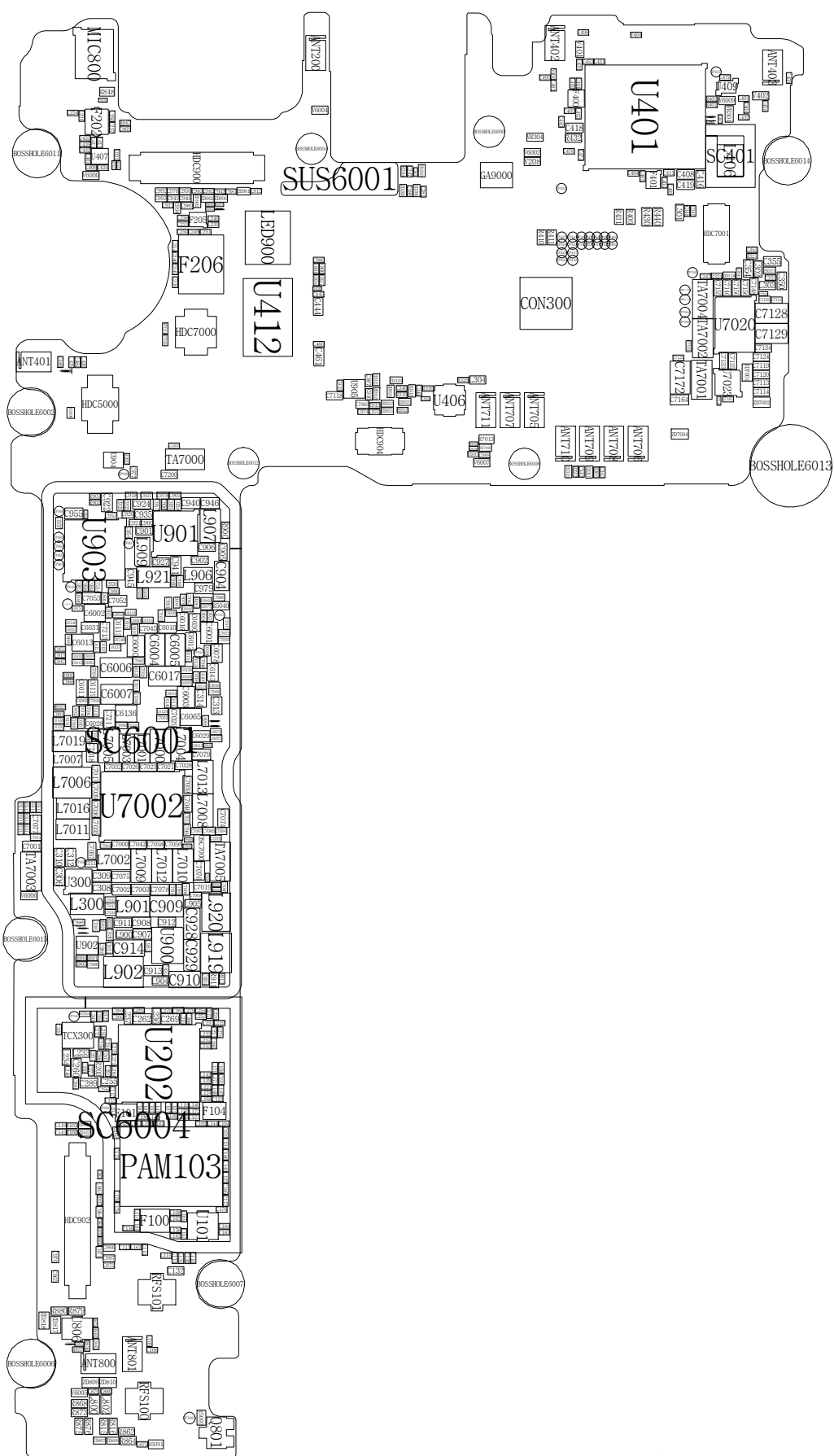
JTAG5000

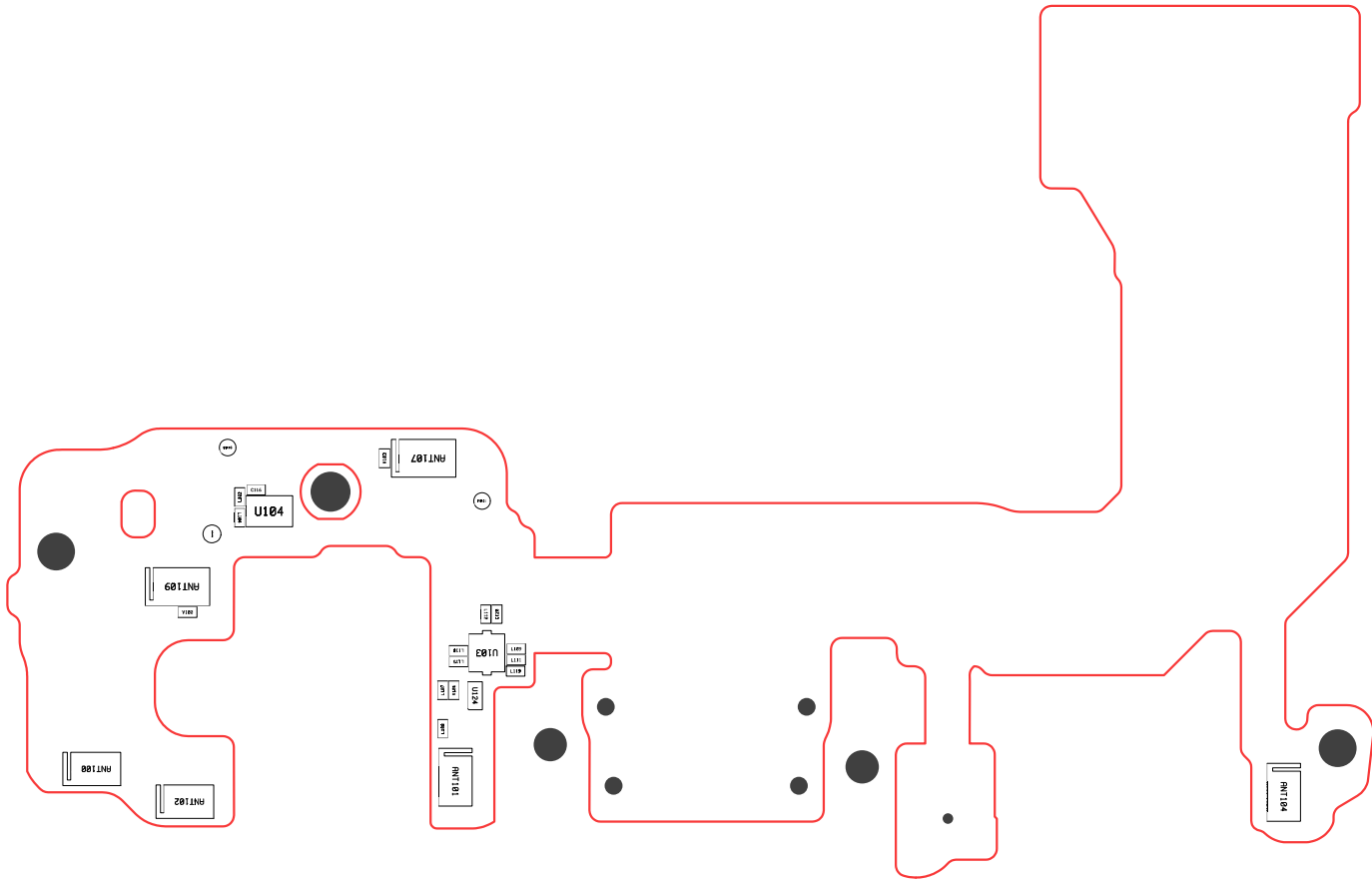
JTAG5001

JTAG5002

JTAG5003

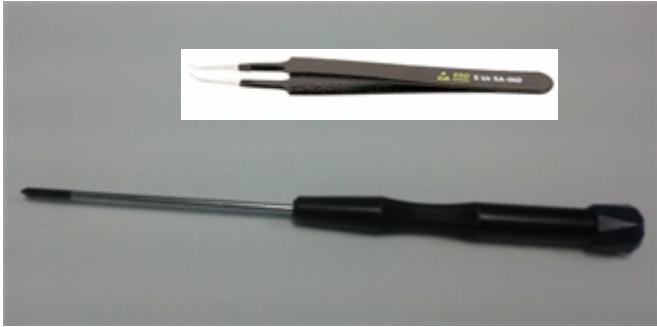






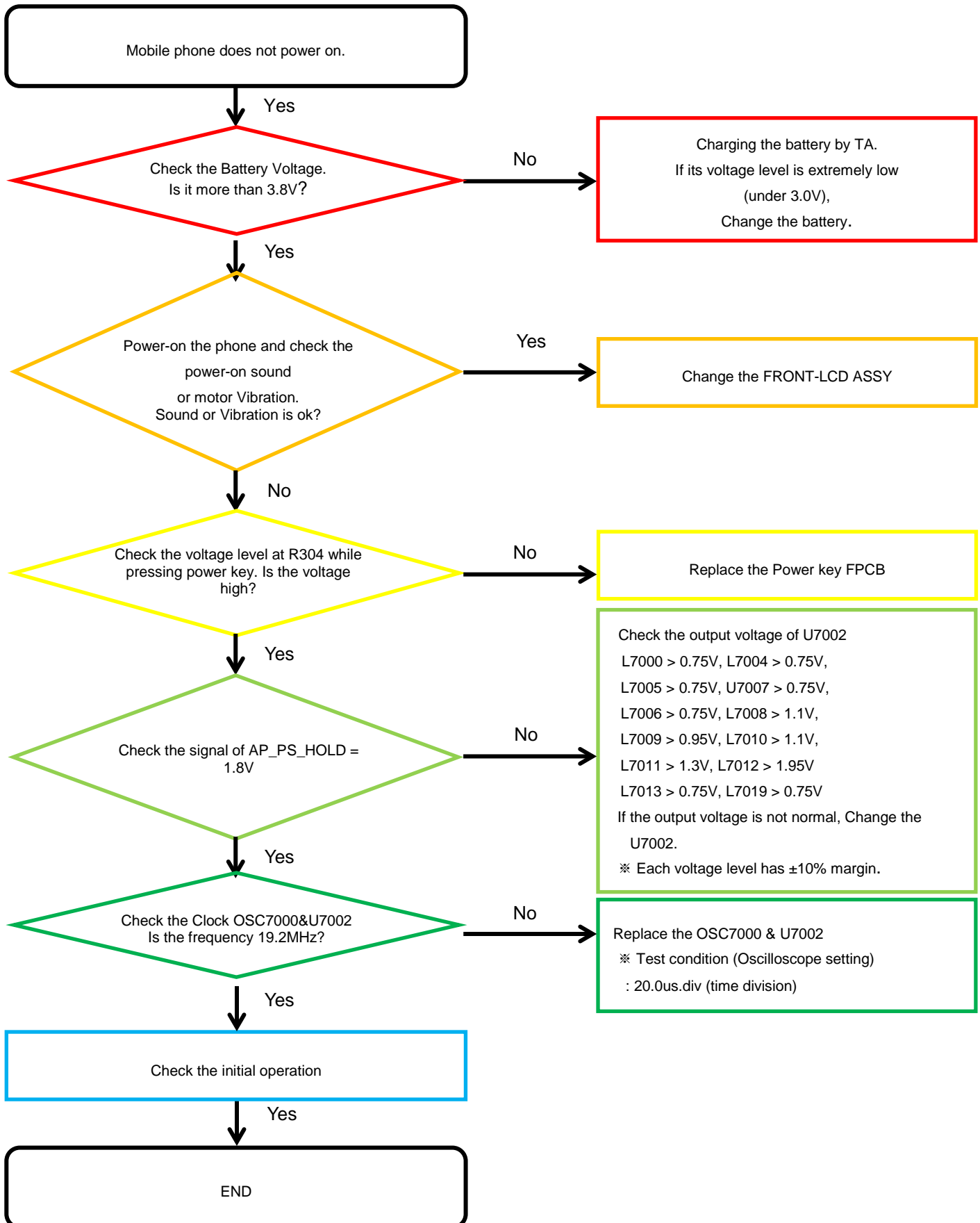
8. Level 3 Repair

8-3. Flow chart of Troubleshooting.

	
<p style="text-align: center;">Oscilloscope</p>	<p style="text-align: center;">Digital Multimeter</p>
	
<p style="text-align: center;">Power Supply</p>	<p style="text-align: center;">+ driver, ESD Safe Tweezer</p>
	
<p style="text-align: center;">8960 & Spectrum Analyzer</p>	<p style="text-align: center;">Soldering iron</p>

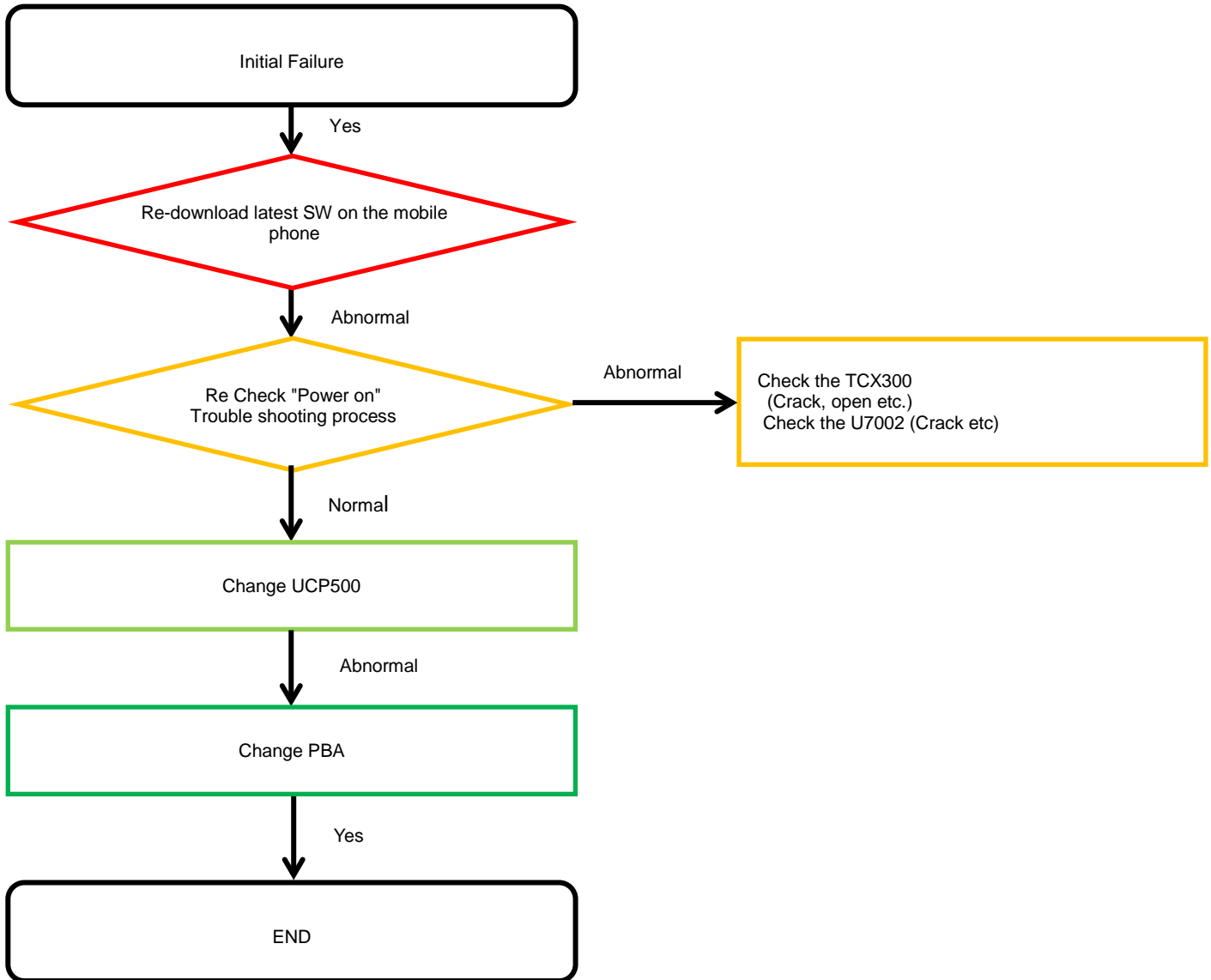
8. Level 3 Repair

8-4-1. Power On



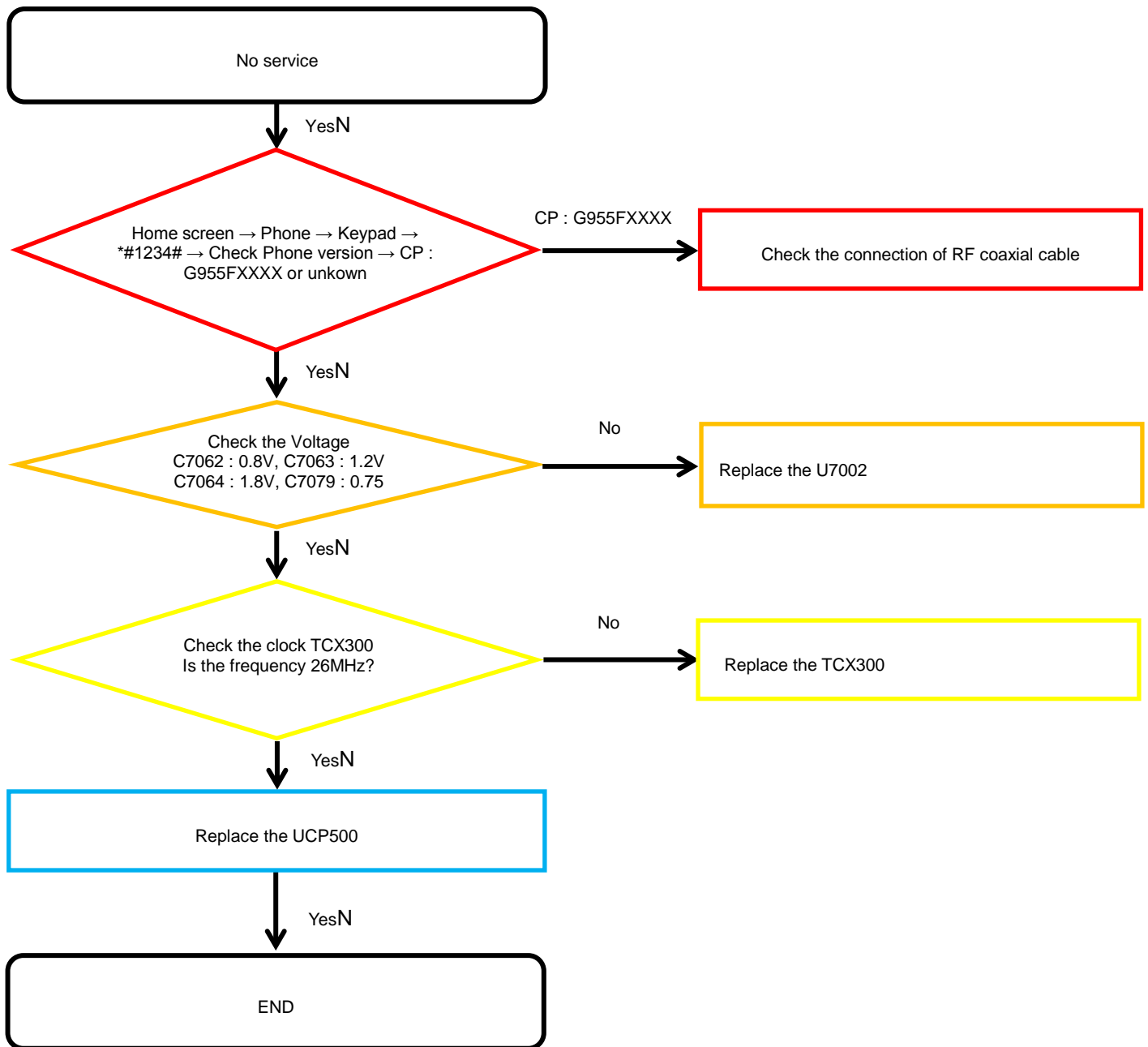
8. Level 3 Repair

8-4-2. Initial



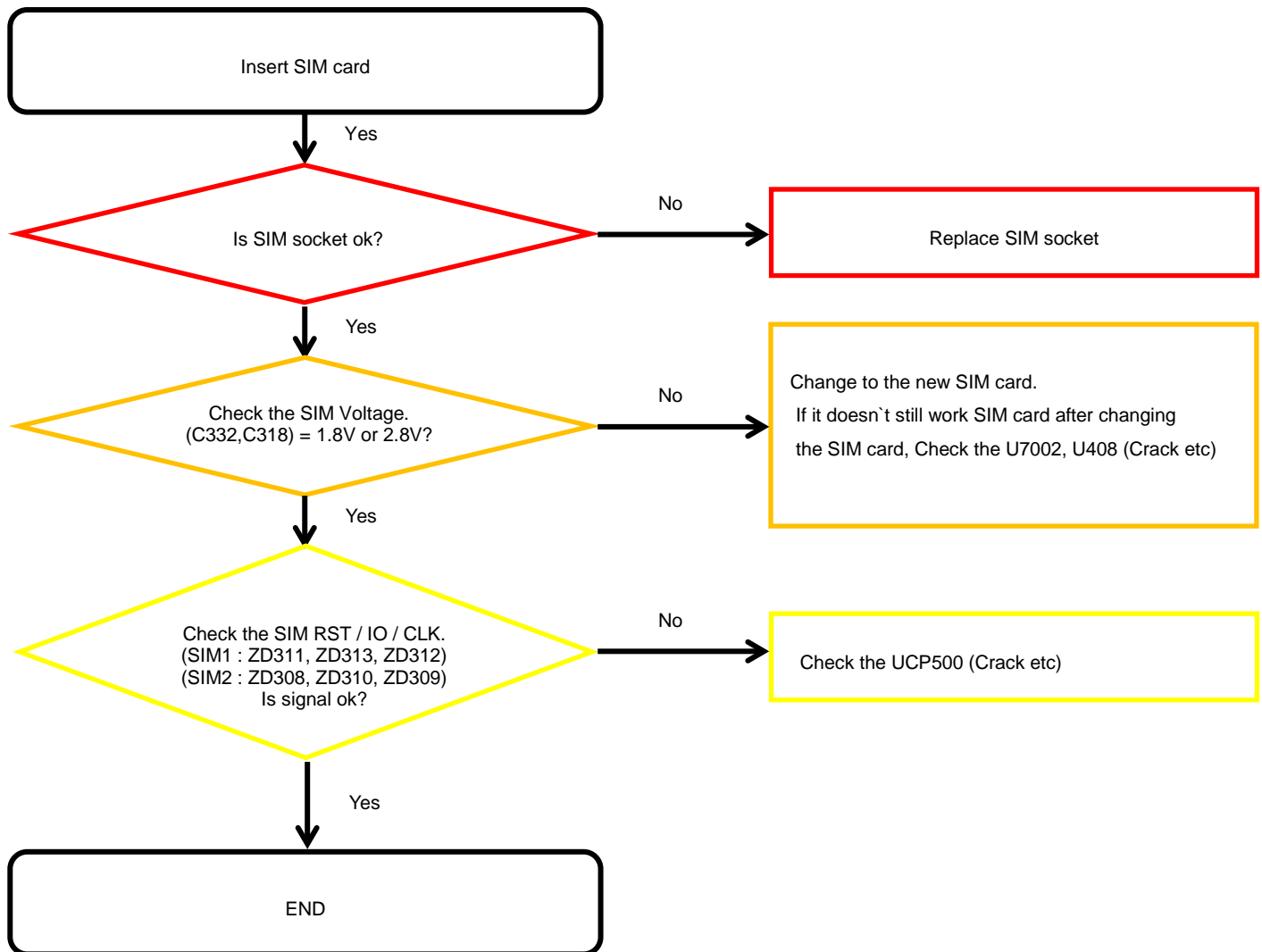
8. Level 3 Repair

8-4-3. No Service



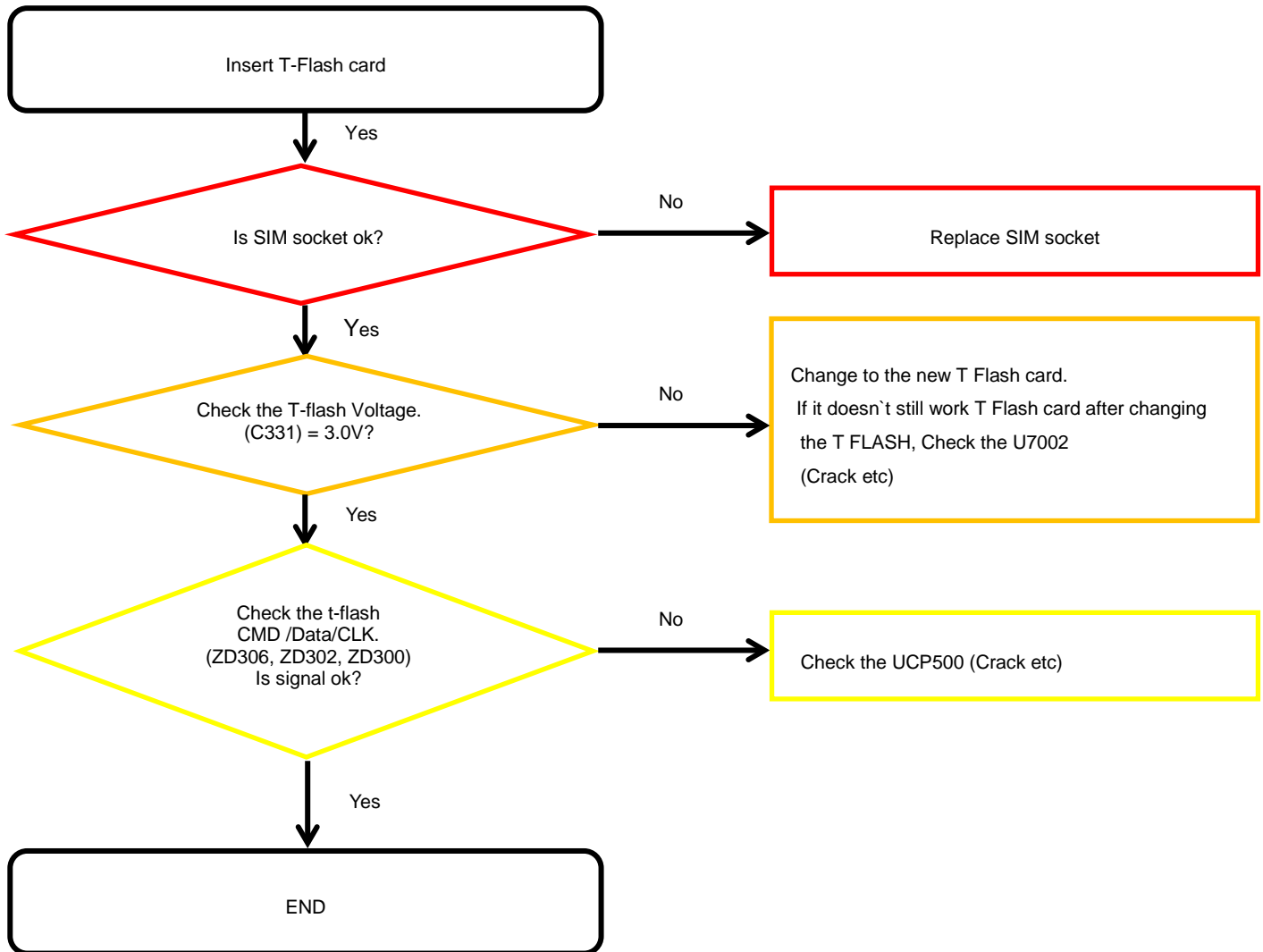
8. Level 3 Repair

8-4-3. SIM Part



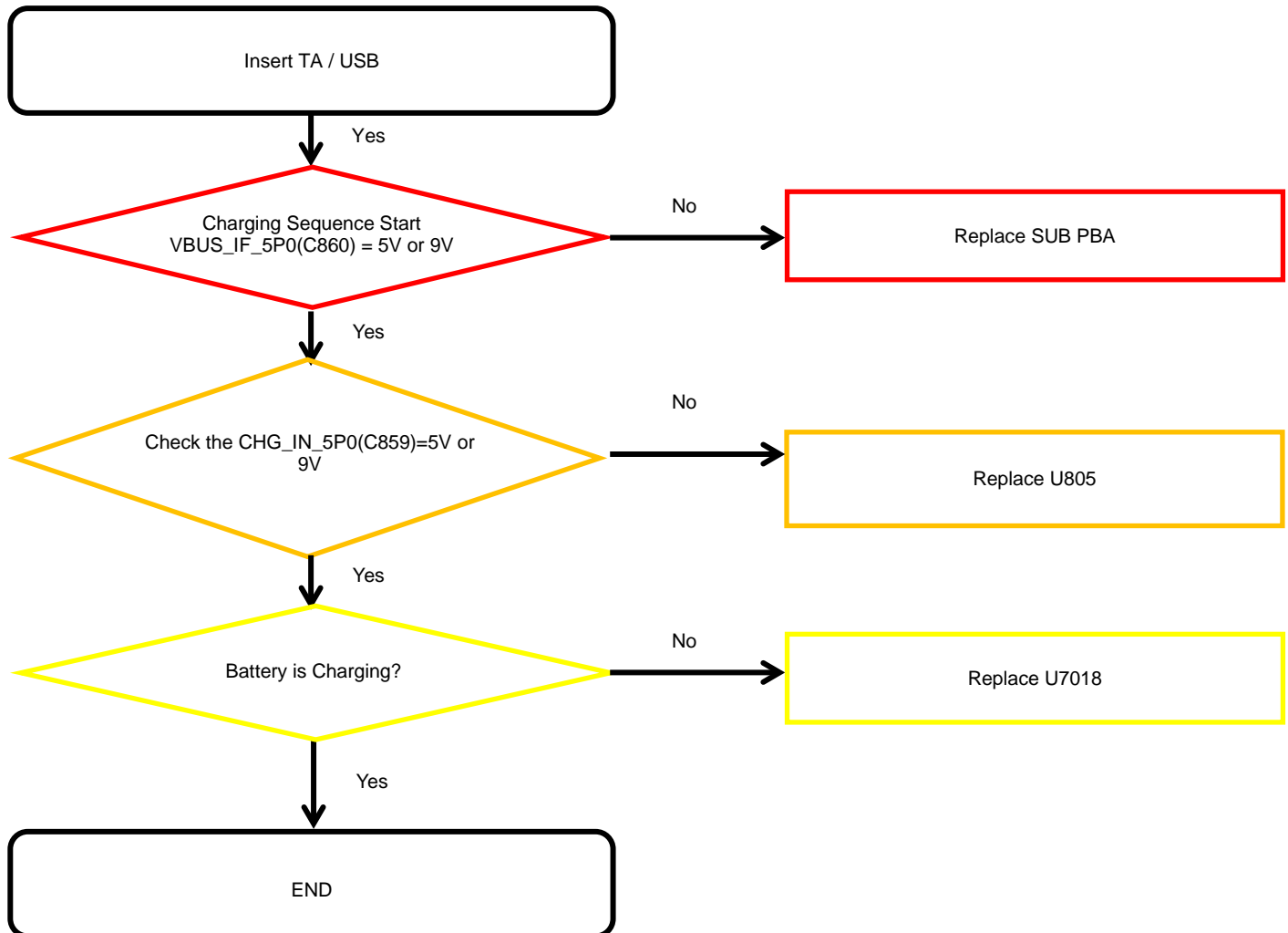
8. Level 3 Repair

8-4-4. T-Flash Part



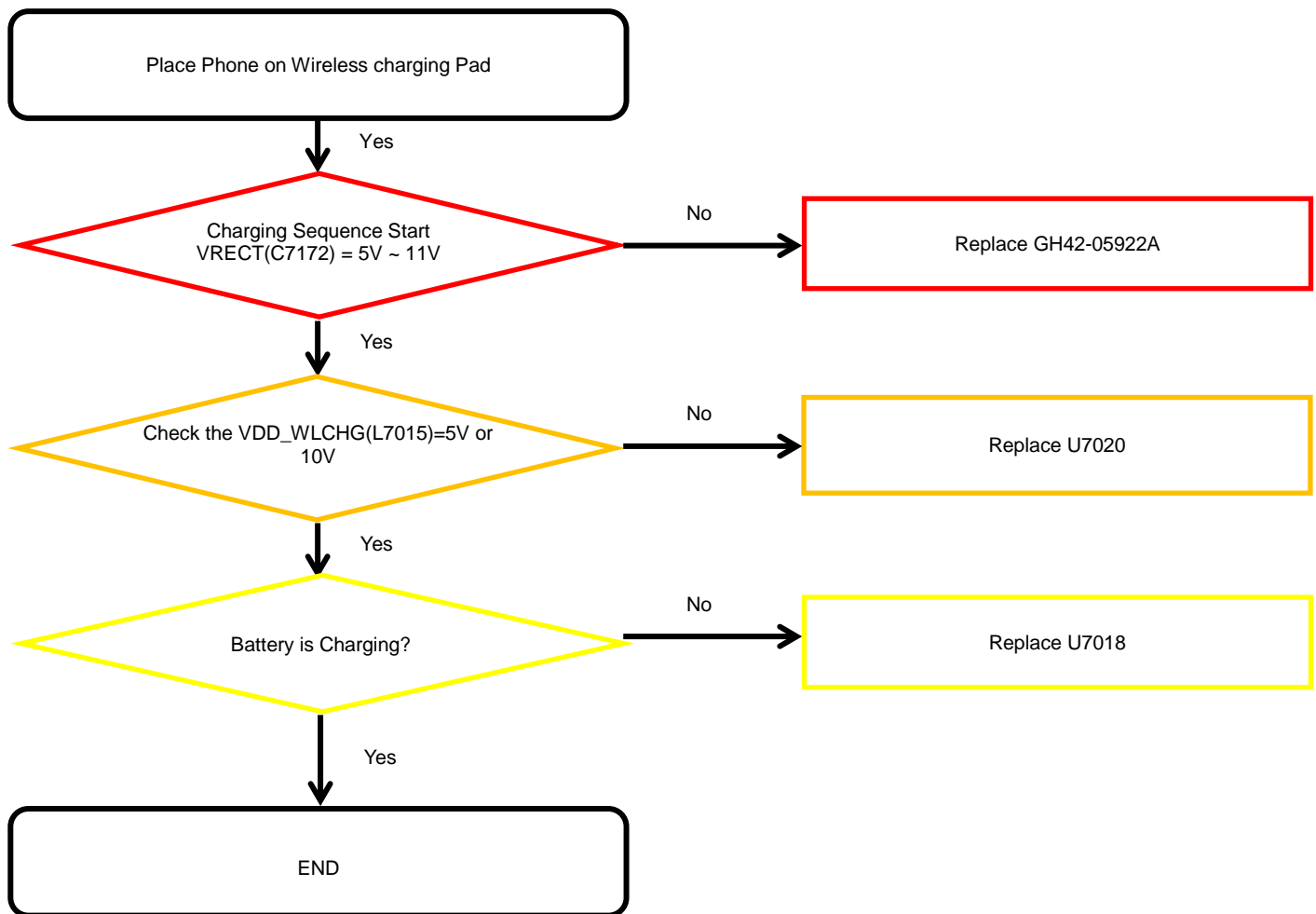
8. Level 3 Repair

8-4-5-1. Cable Charging Part (Normal/Fast)



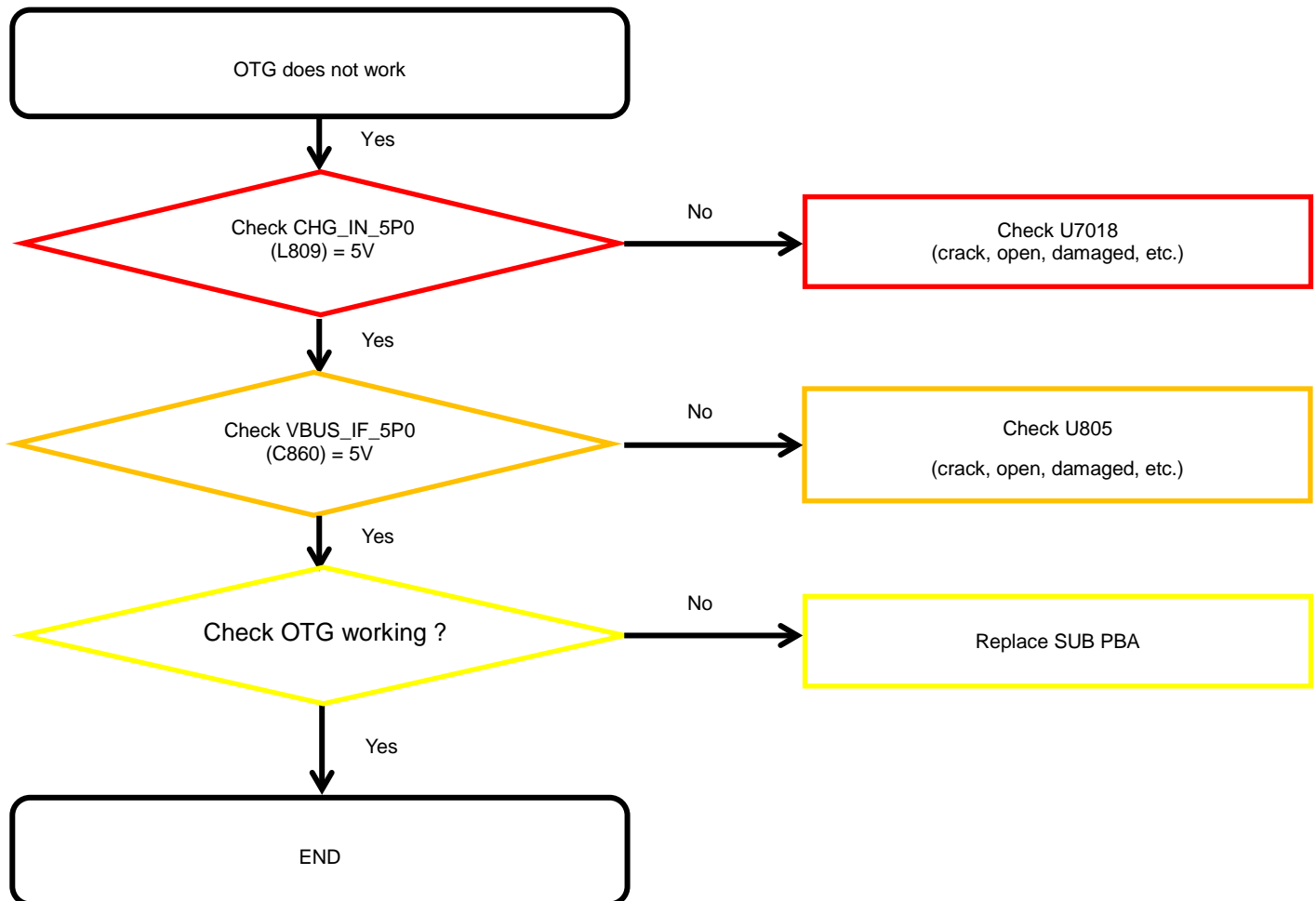
8. Level 3 Repair

8-4-5-2. Wireless Charging Part (Normal/Fast)



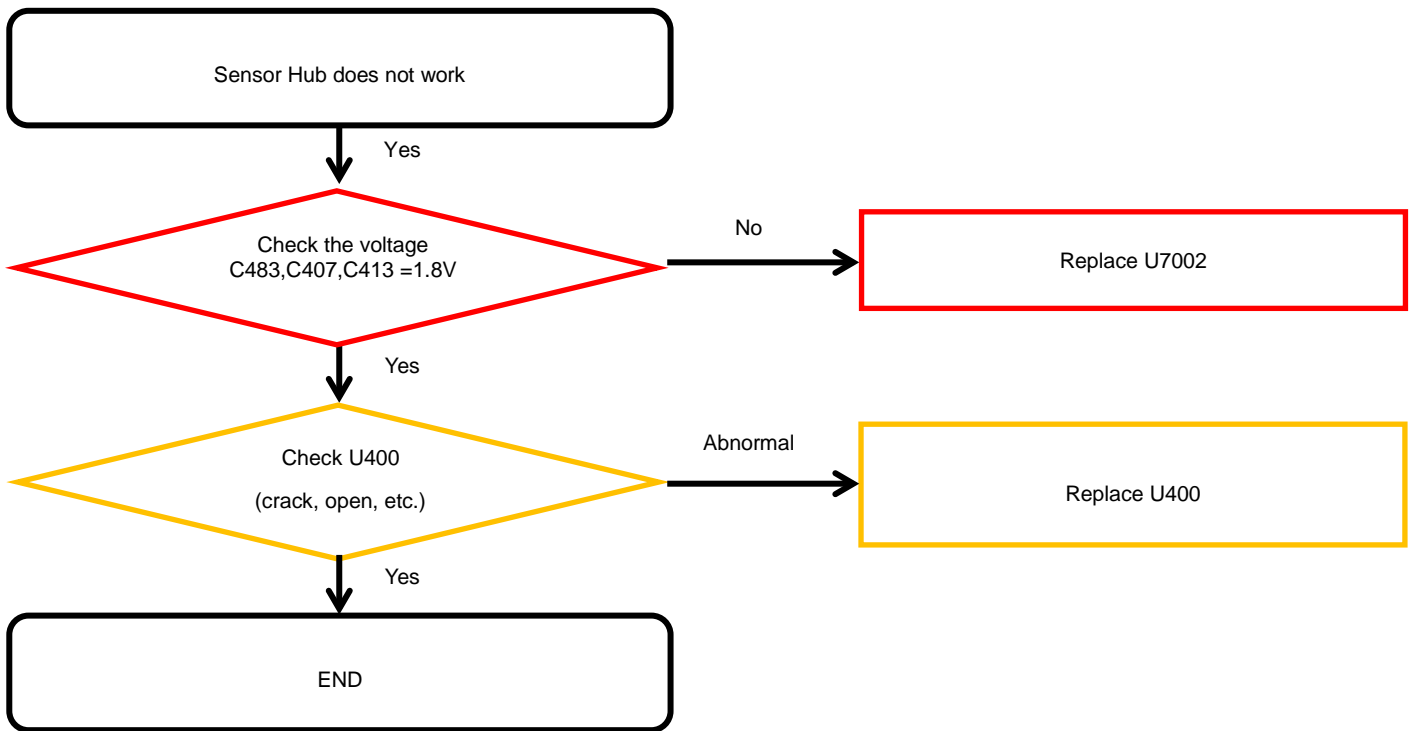
8. Level 3 Repair

8-4-6. OTG



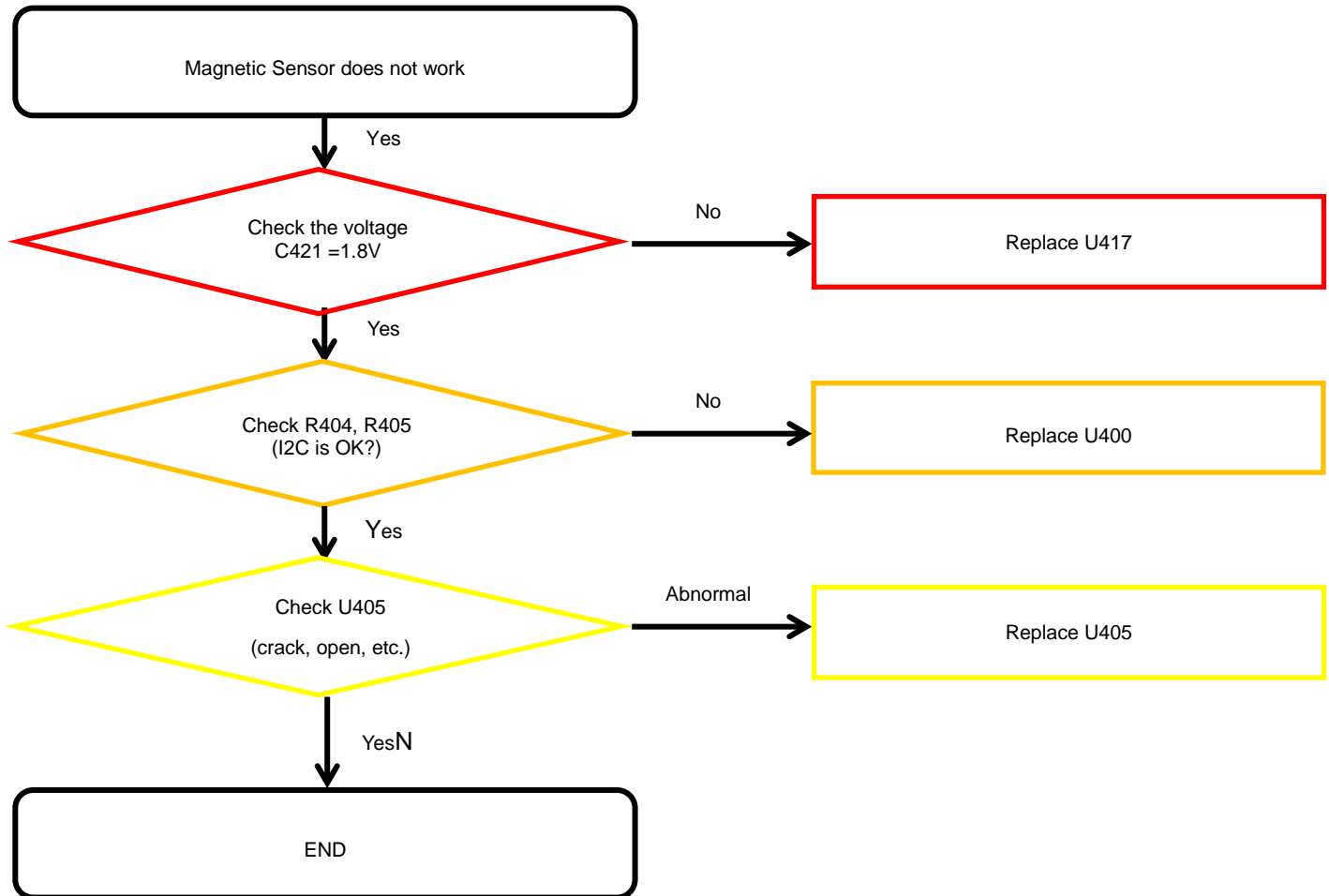
8. Level 3 Repair

8-4-7-1. Sensor Hub



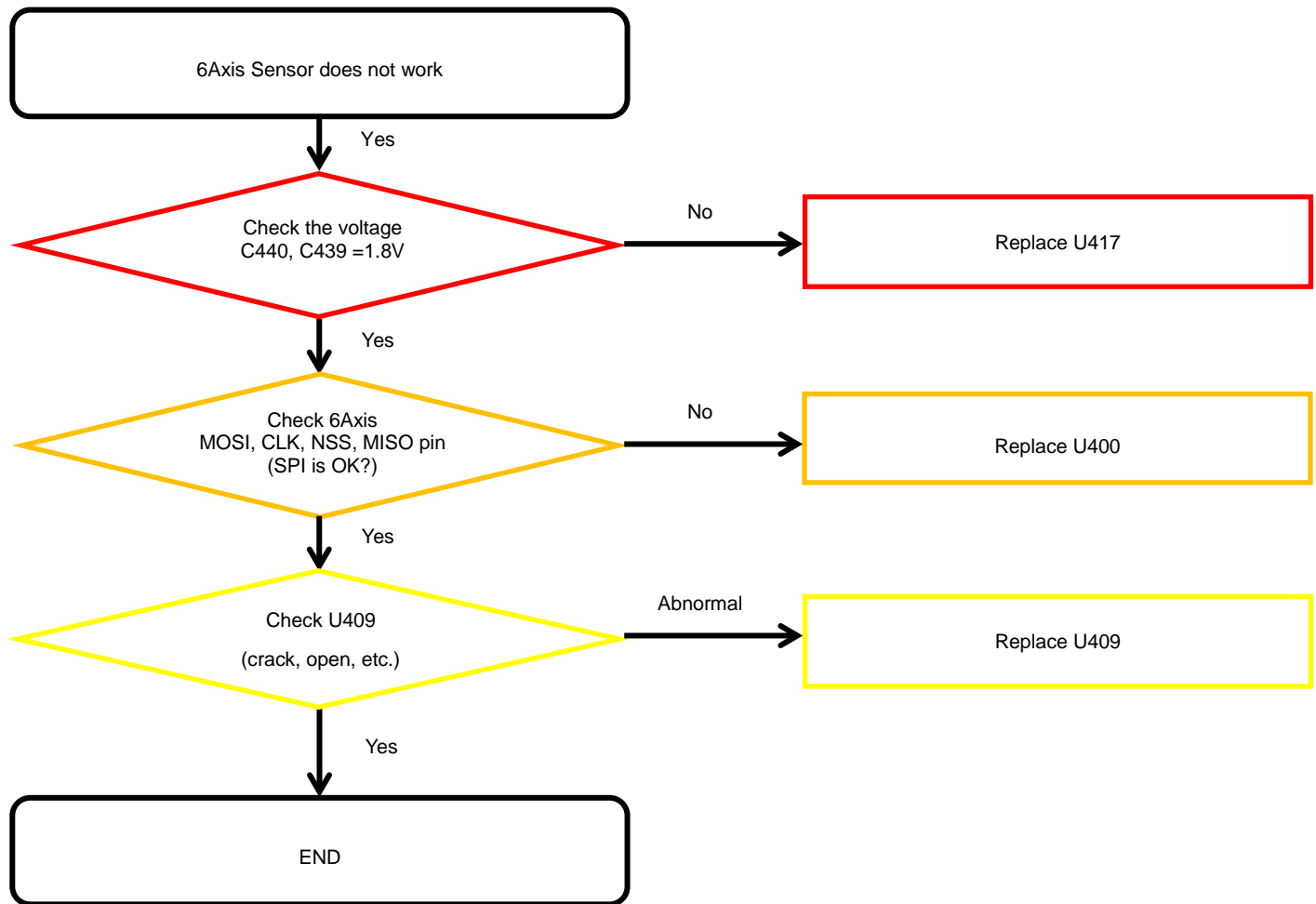
8. Level 3 Repair

8-4-7-2. Magnetic Sensor



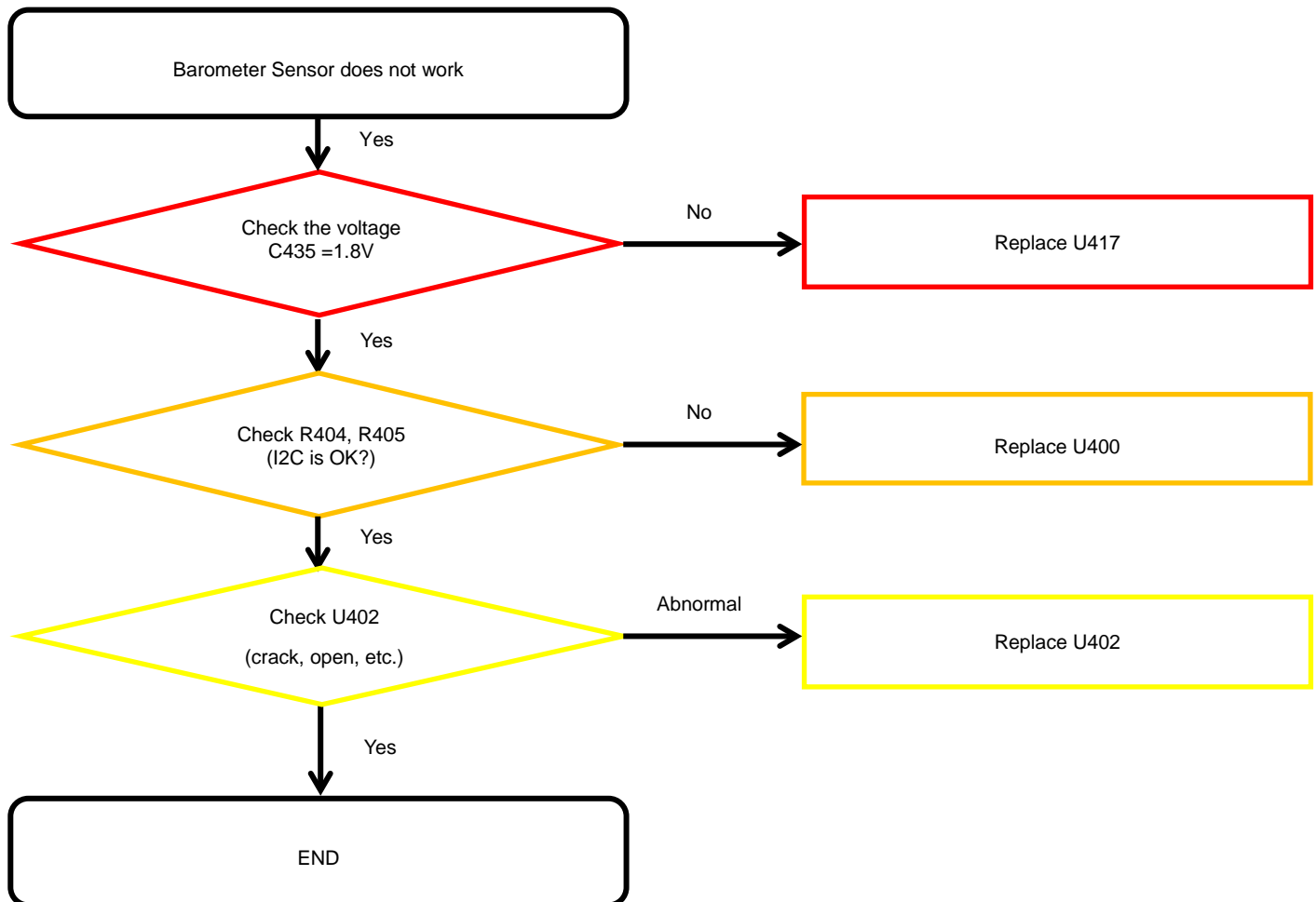
8. Level 3 Repair

8-4-7-3. 6Axis Sensor



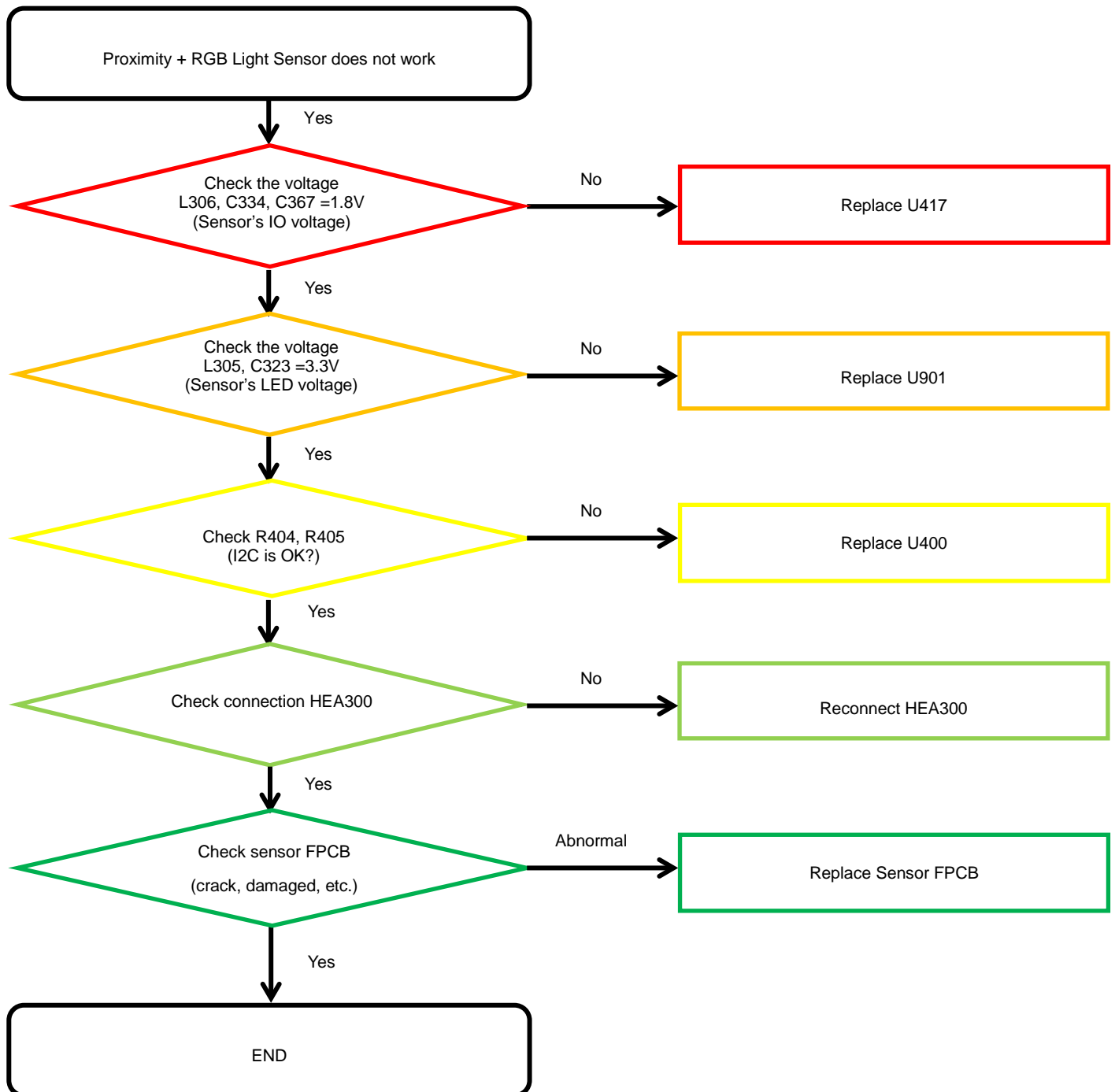
8. Level 3 Repair

8-4-7-4. Barometer sensor



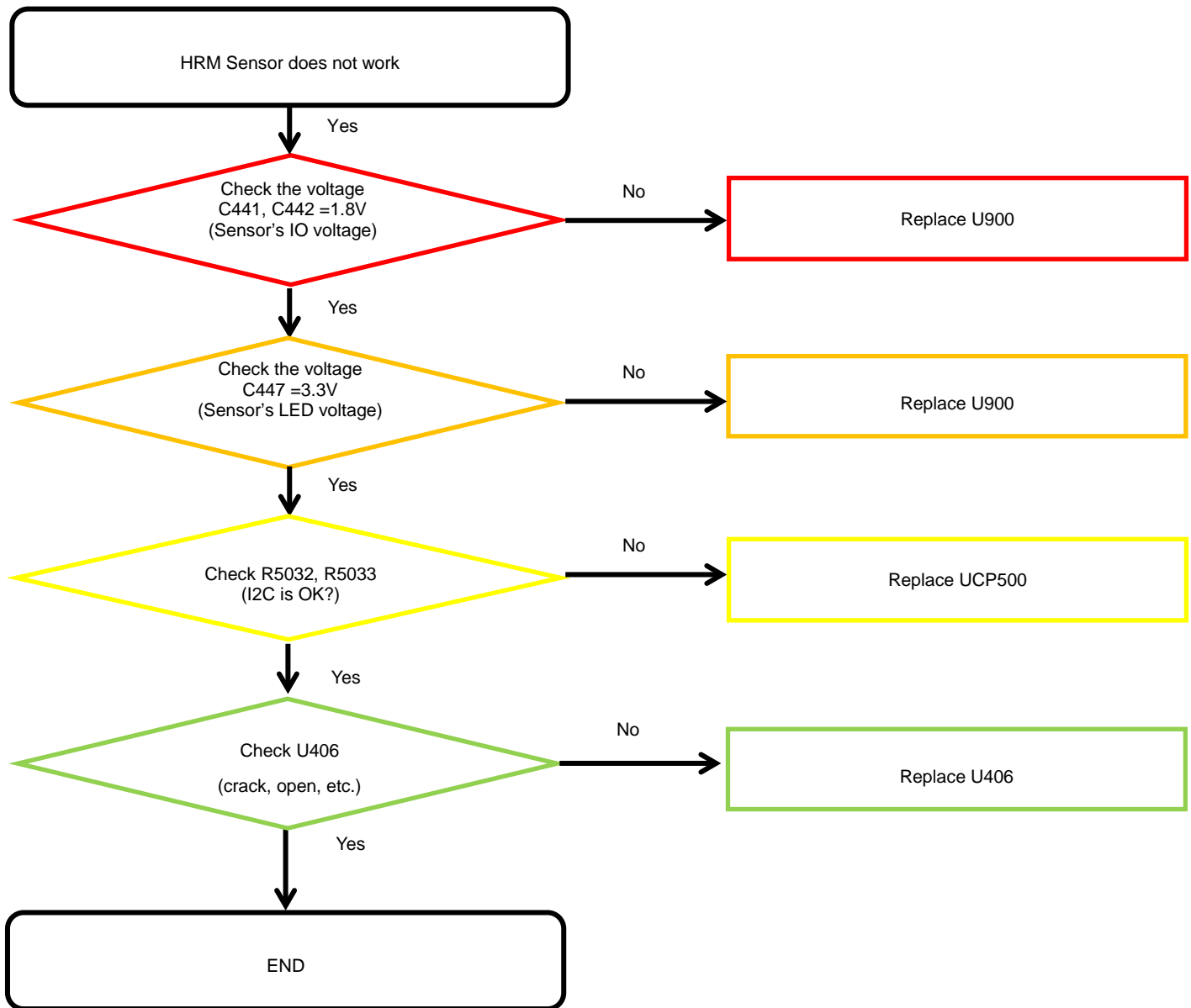
8. Level 3 Repair

8-4-7-5. Proximity + RGB Light sensor



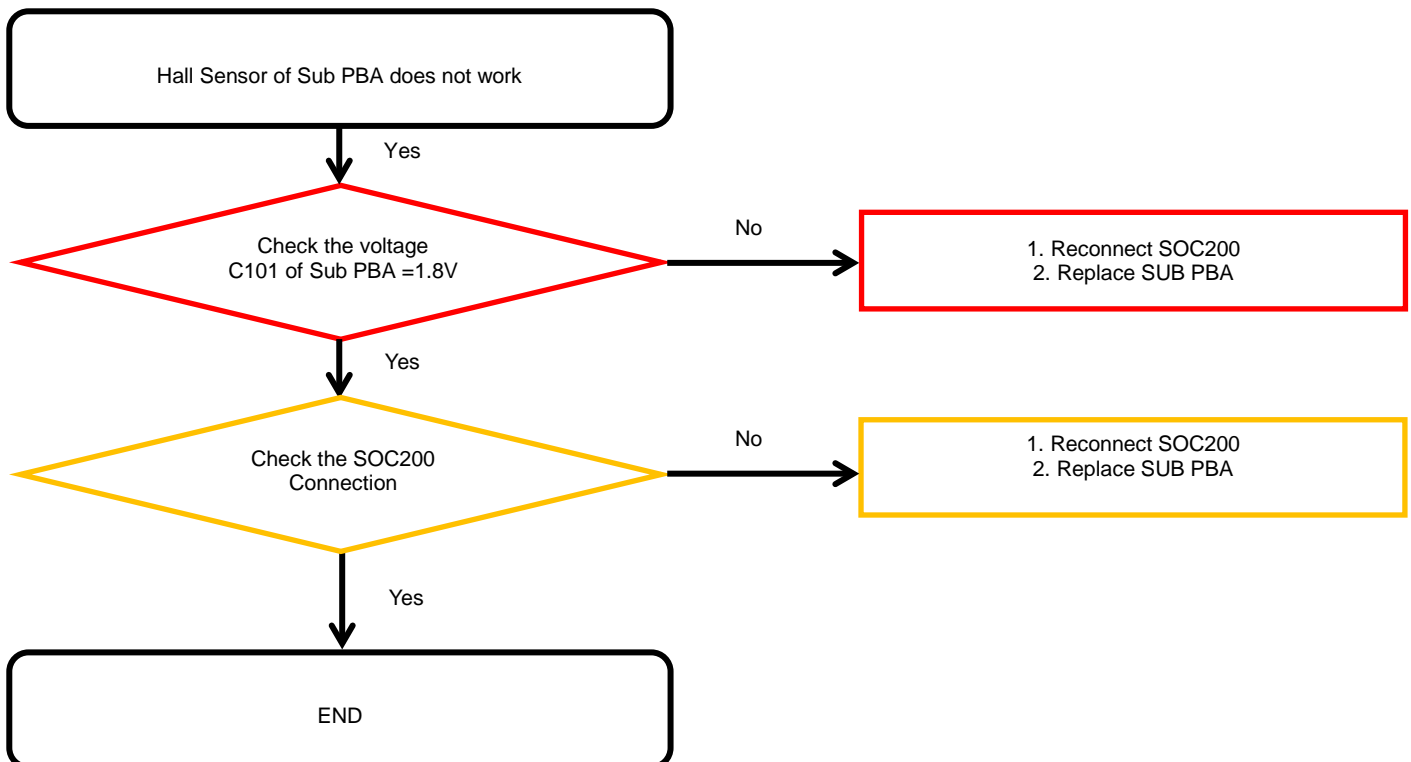
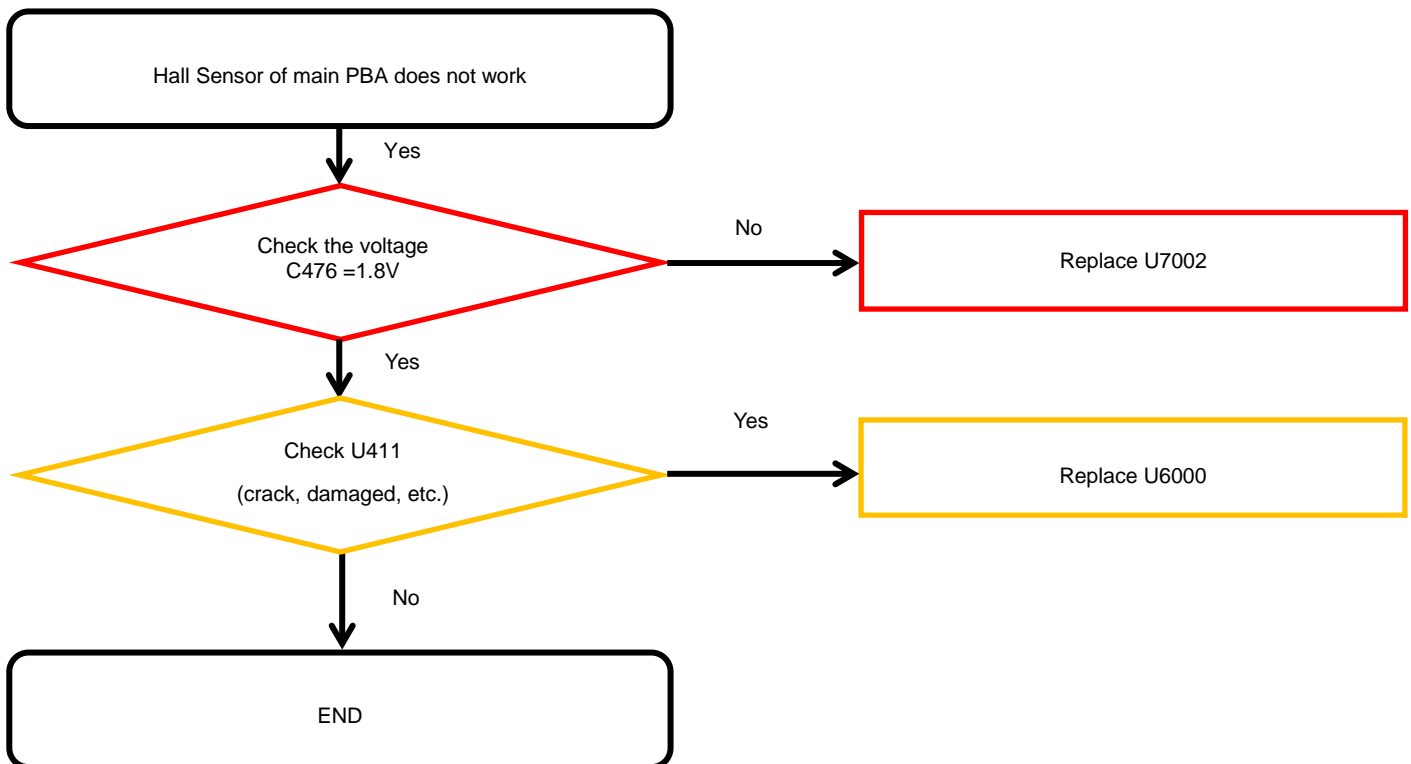
8. Level 3 Repair

8-4-7-6. HRM Sensor



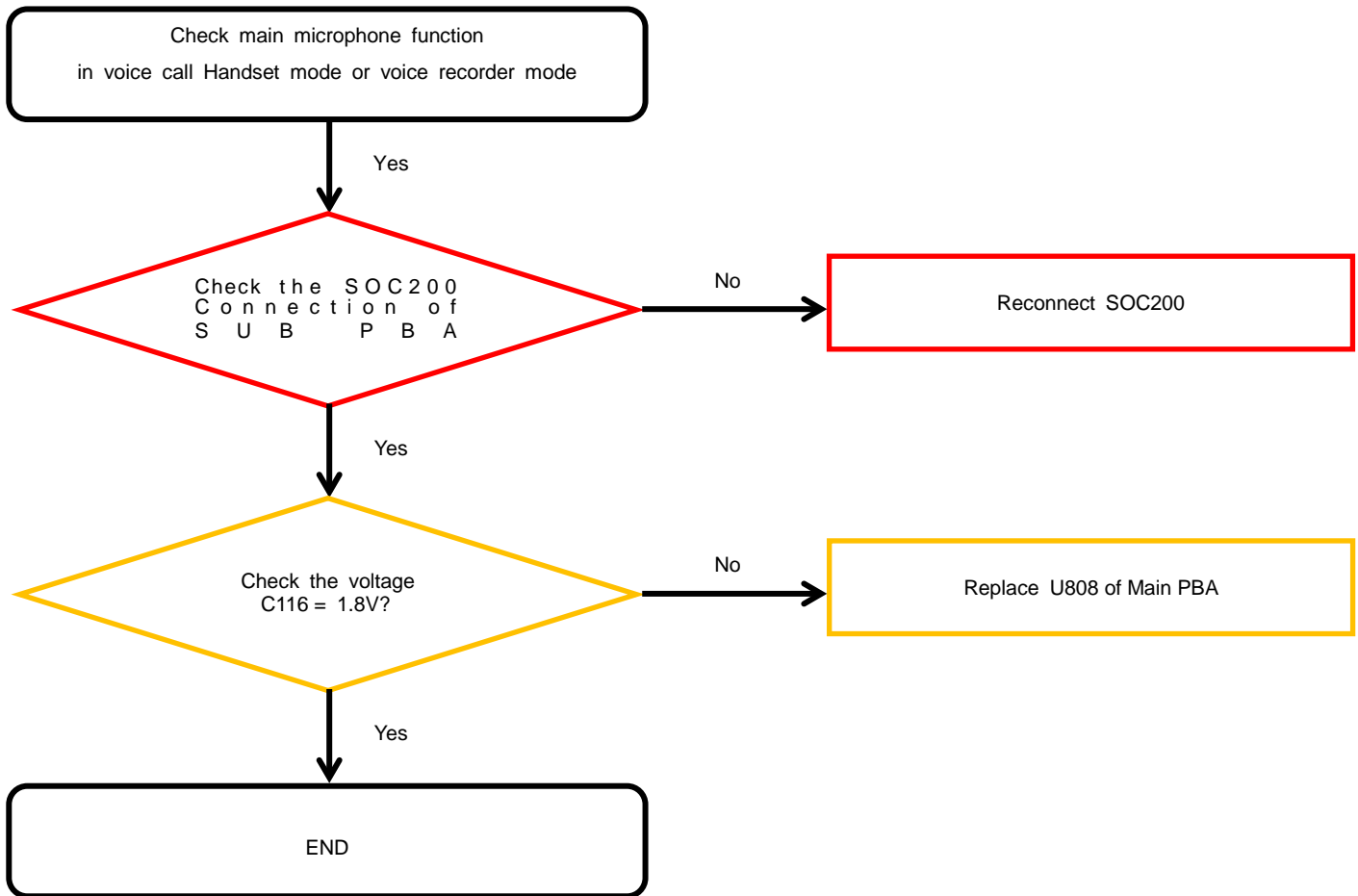
8. Level 3 Repair

8-4-7-7. Hall Sensor



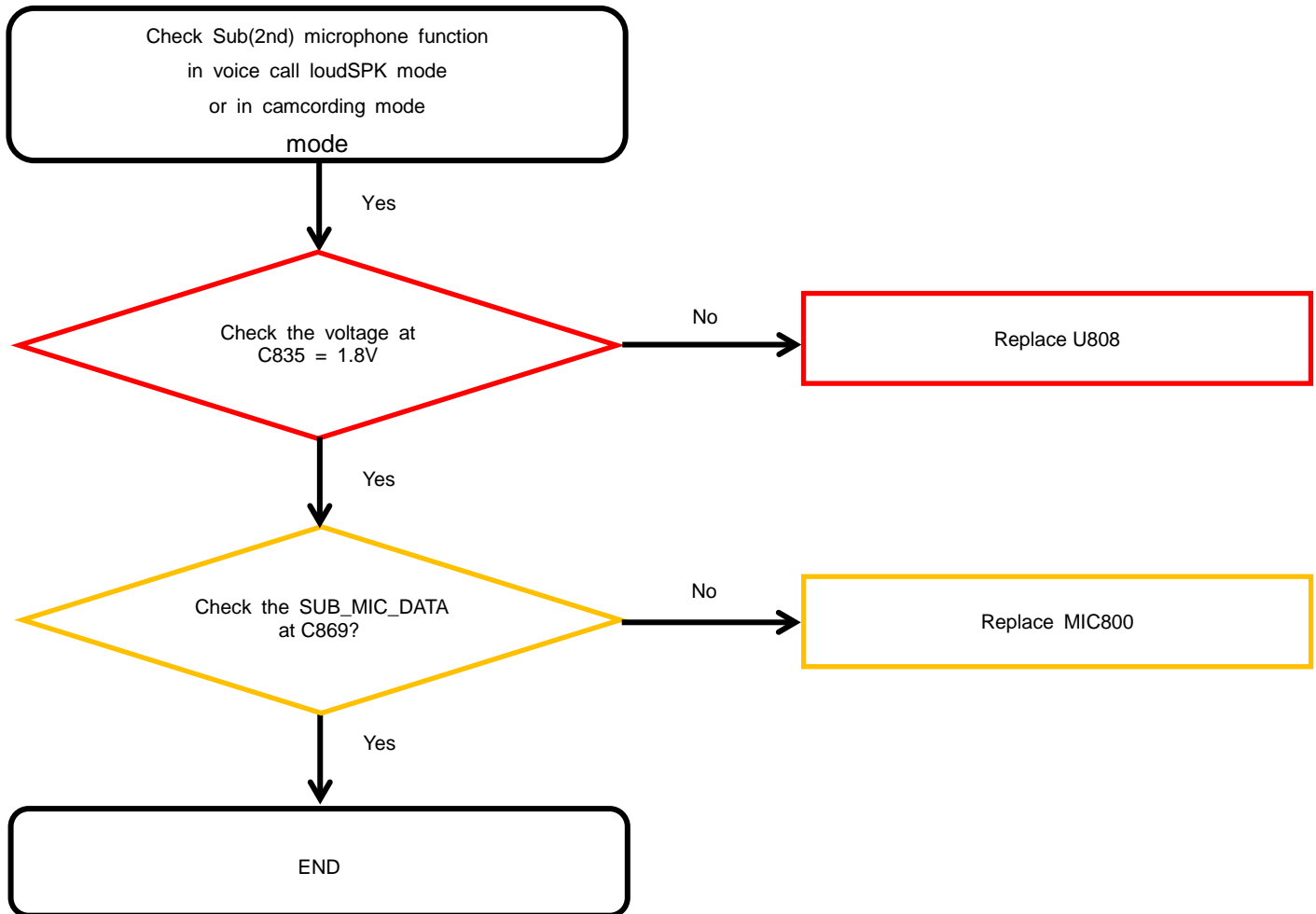
8. Level 3 Repair

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



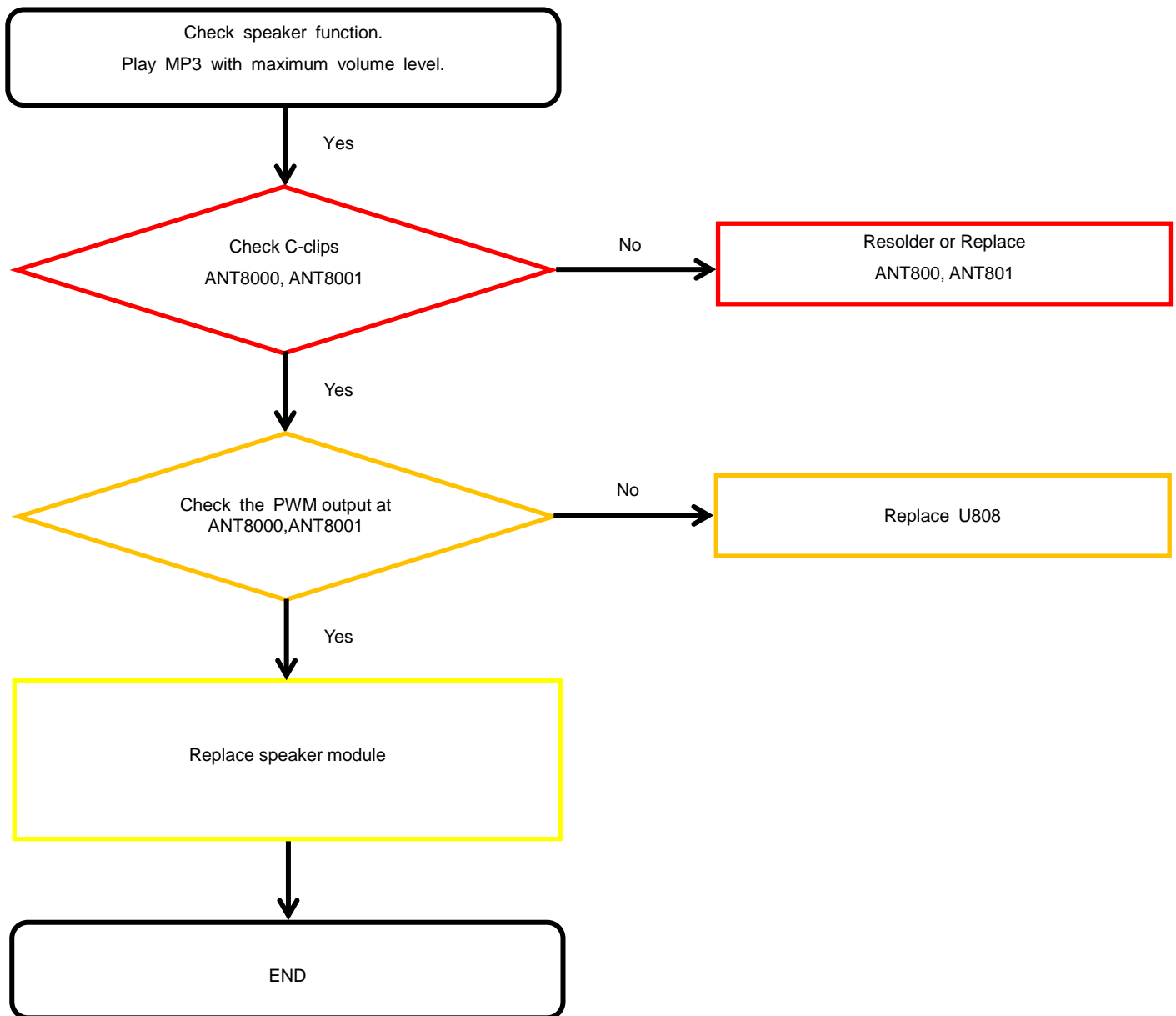
8. Level 3 Repair

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



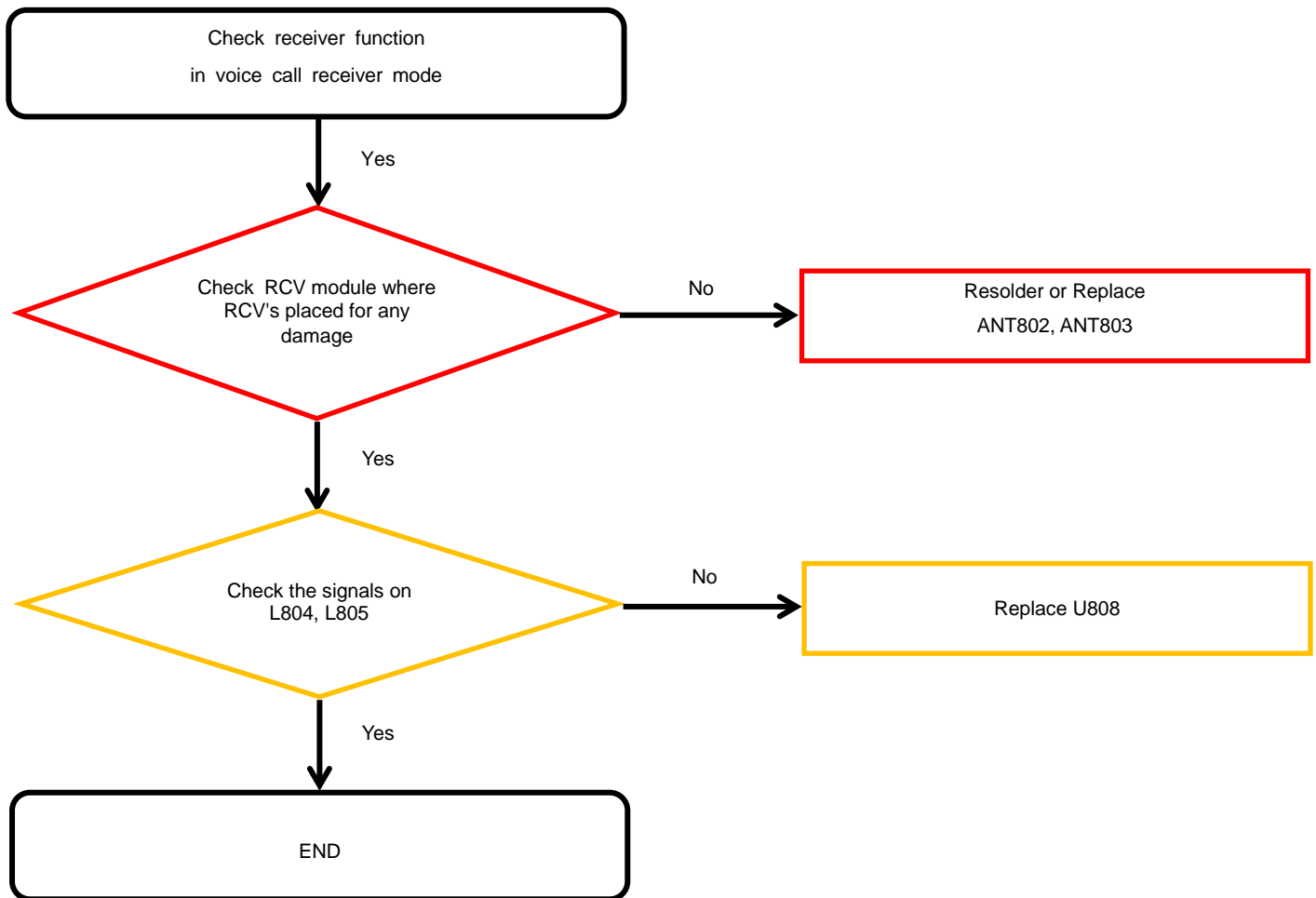
8. Level 3 Repair

8-4-9. Speaker Part



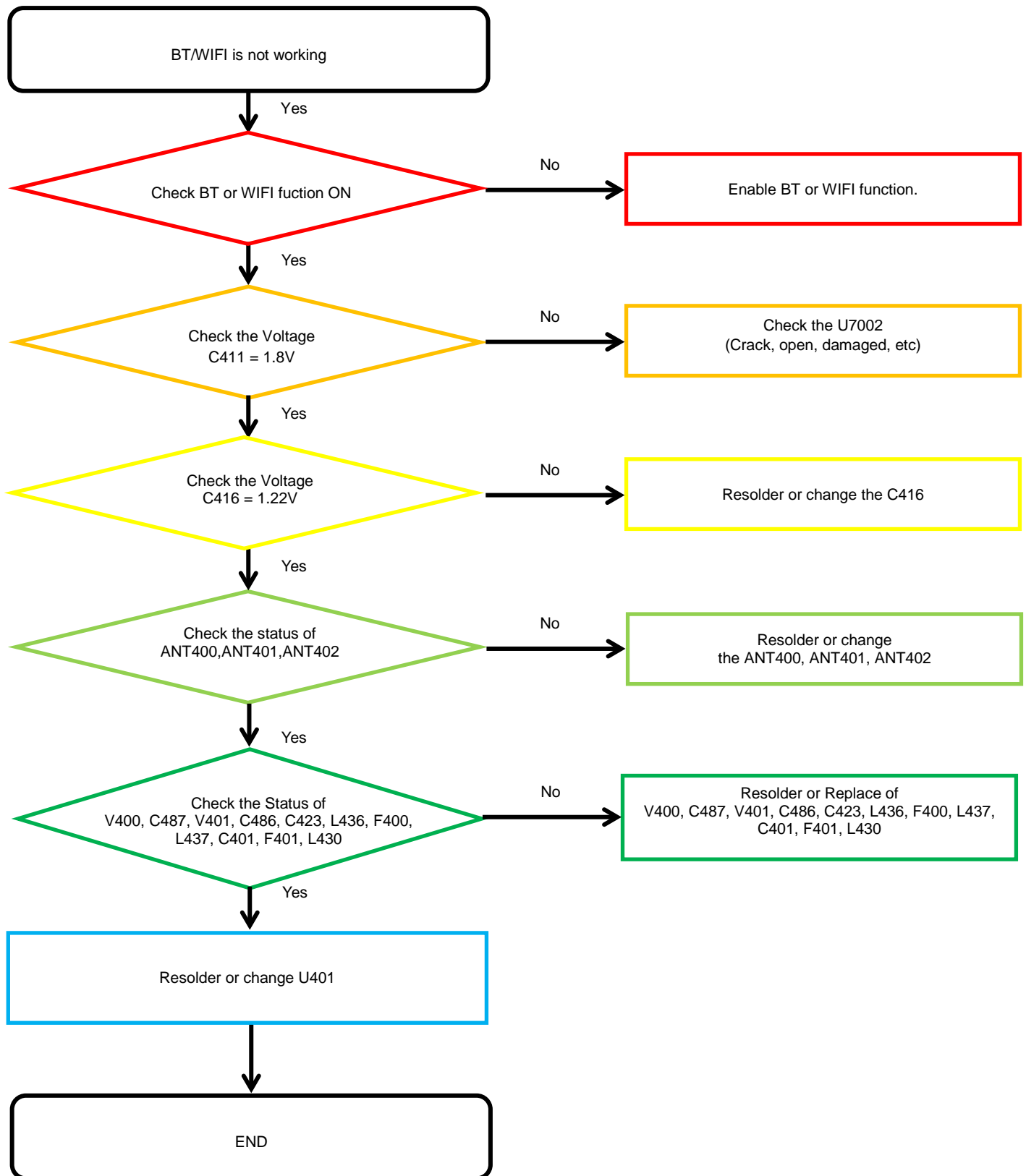
8. Level 3 Repair

8-4-10. Receiver Part



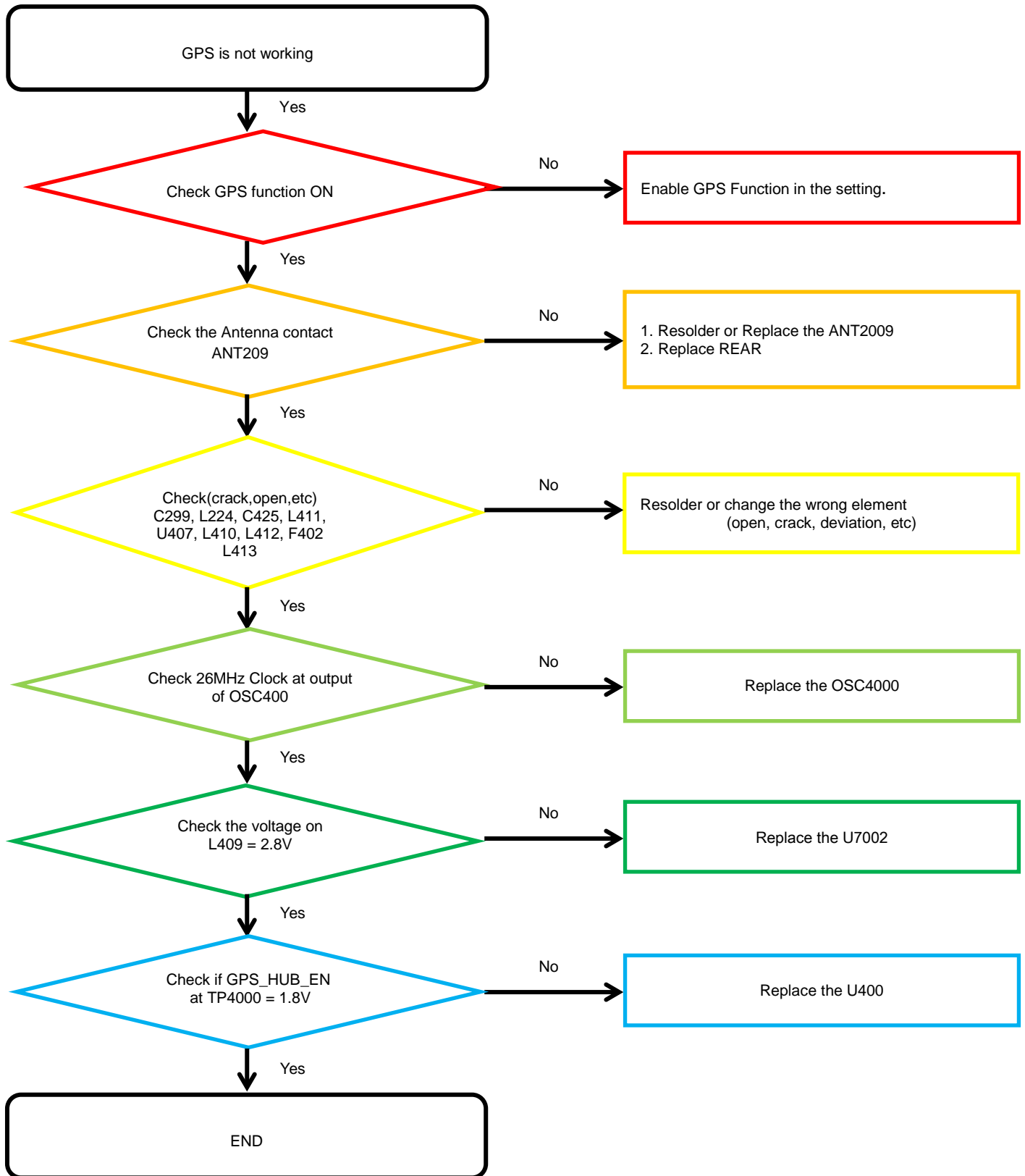
8. Level 3 Repair

8-4-11. BT/WIFI



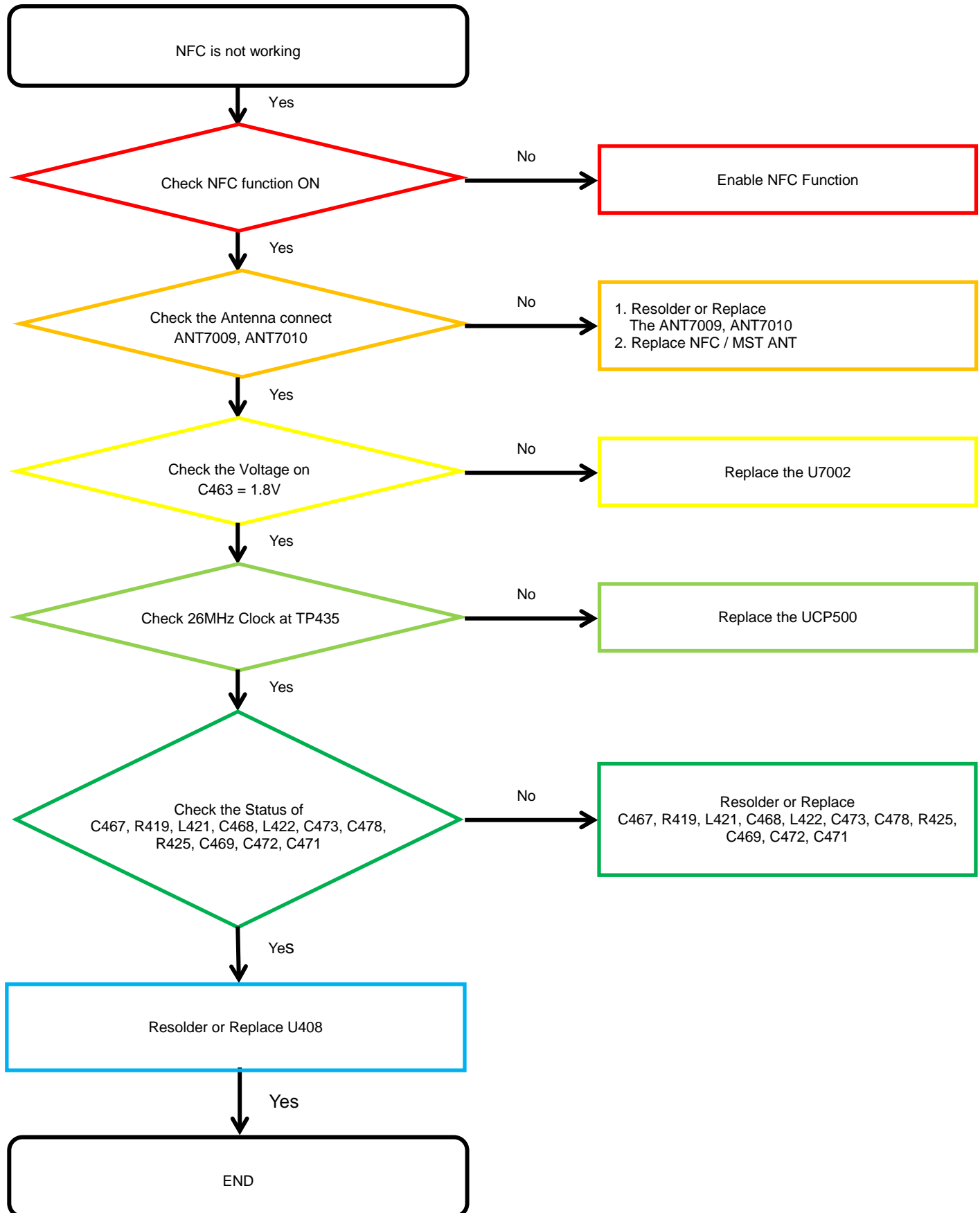
8. Level 3 Repair

8-4-12. GPS



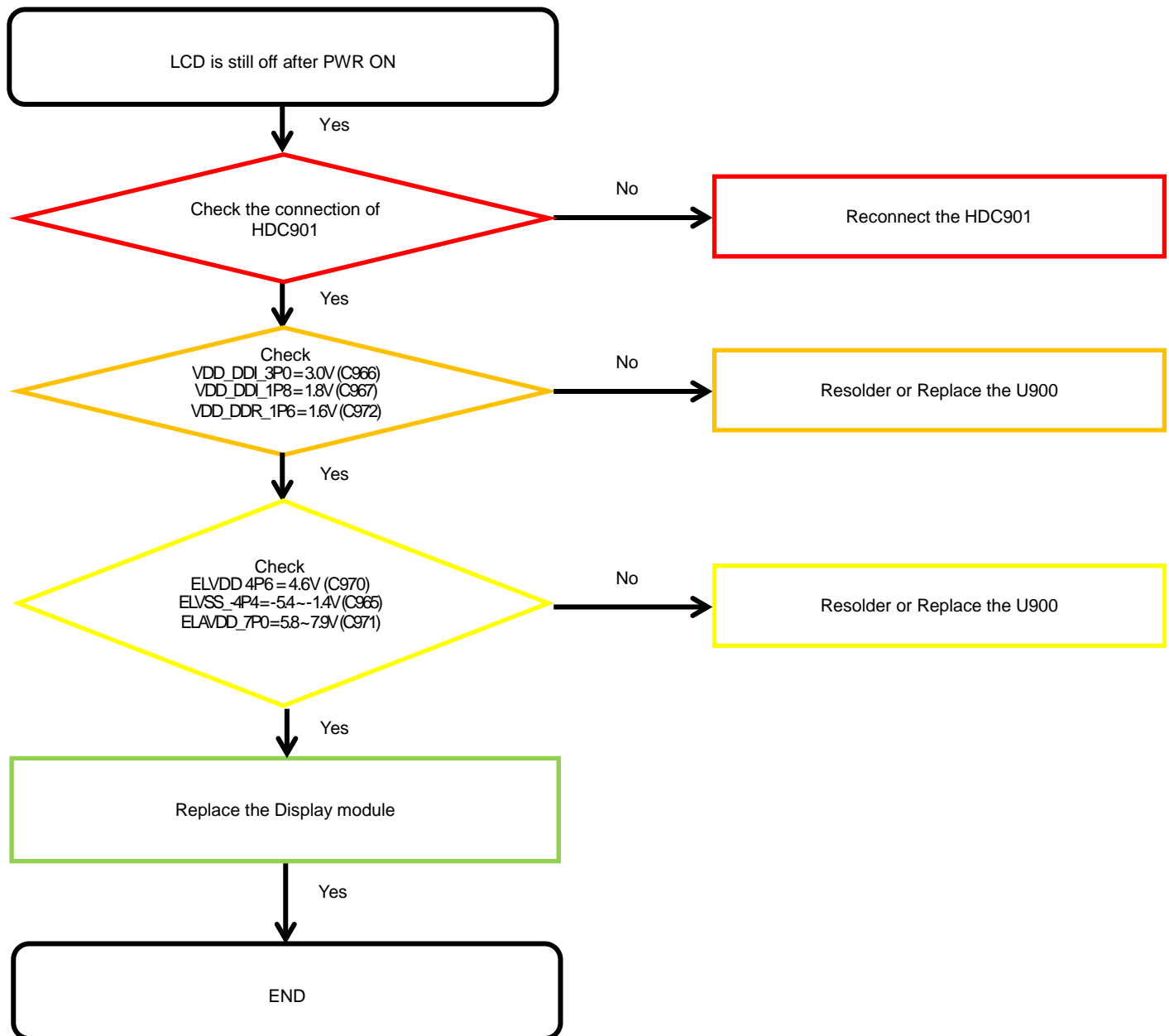
8. Level 3 Repair

8-4-13. NFC



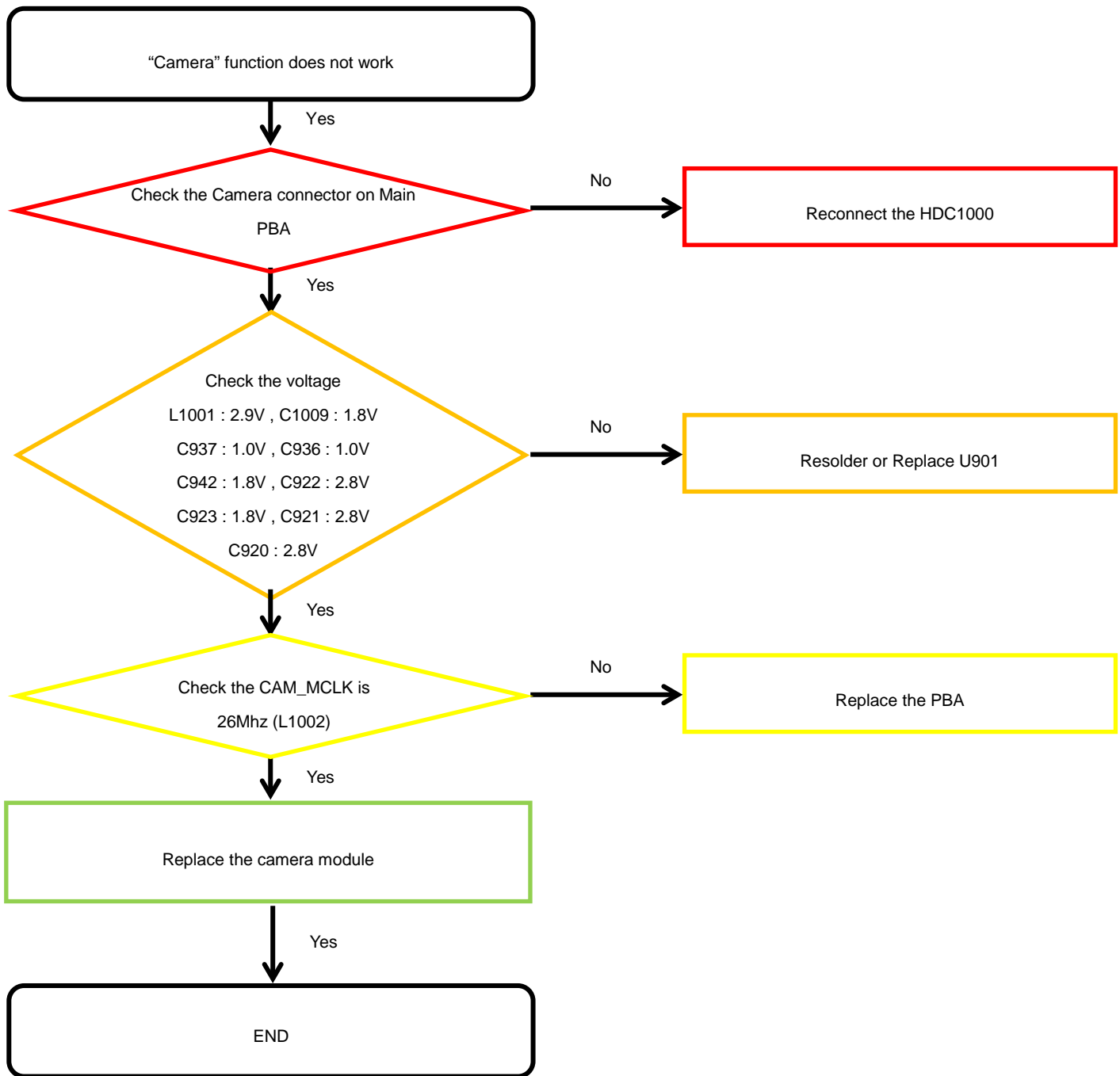
8. Level 3 Repair

8-4-14. Display



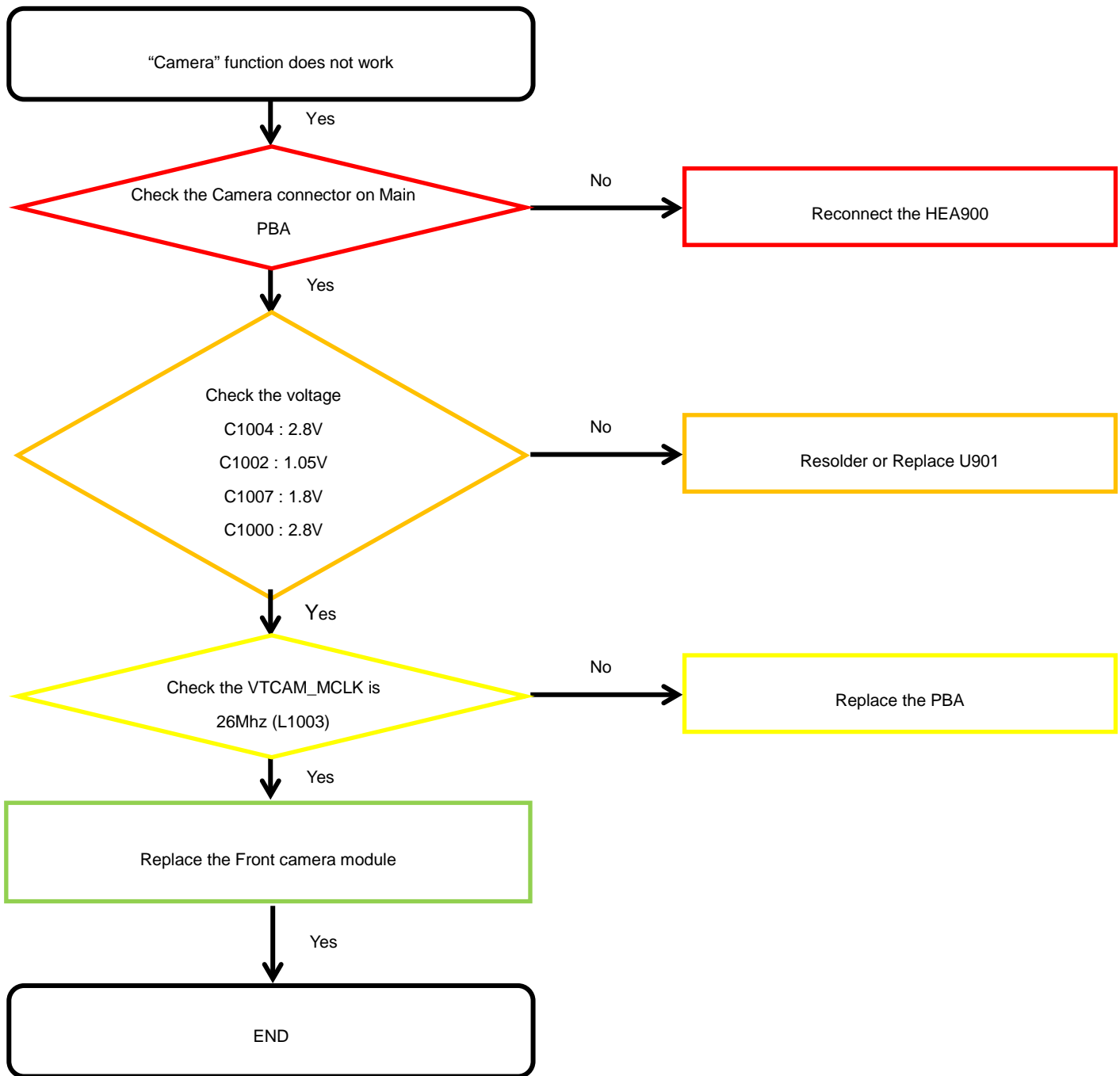
8. Level 3 Repair

8-4-15. 12M CAMERA



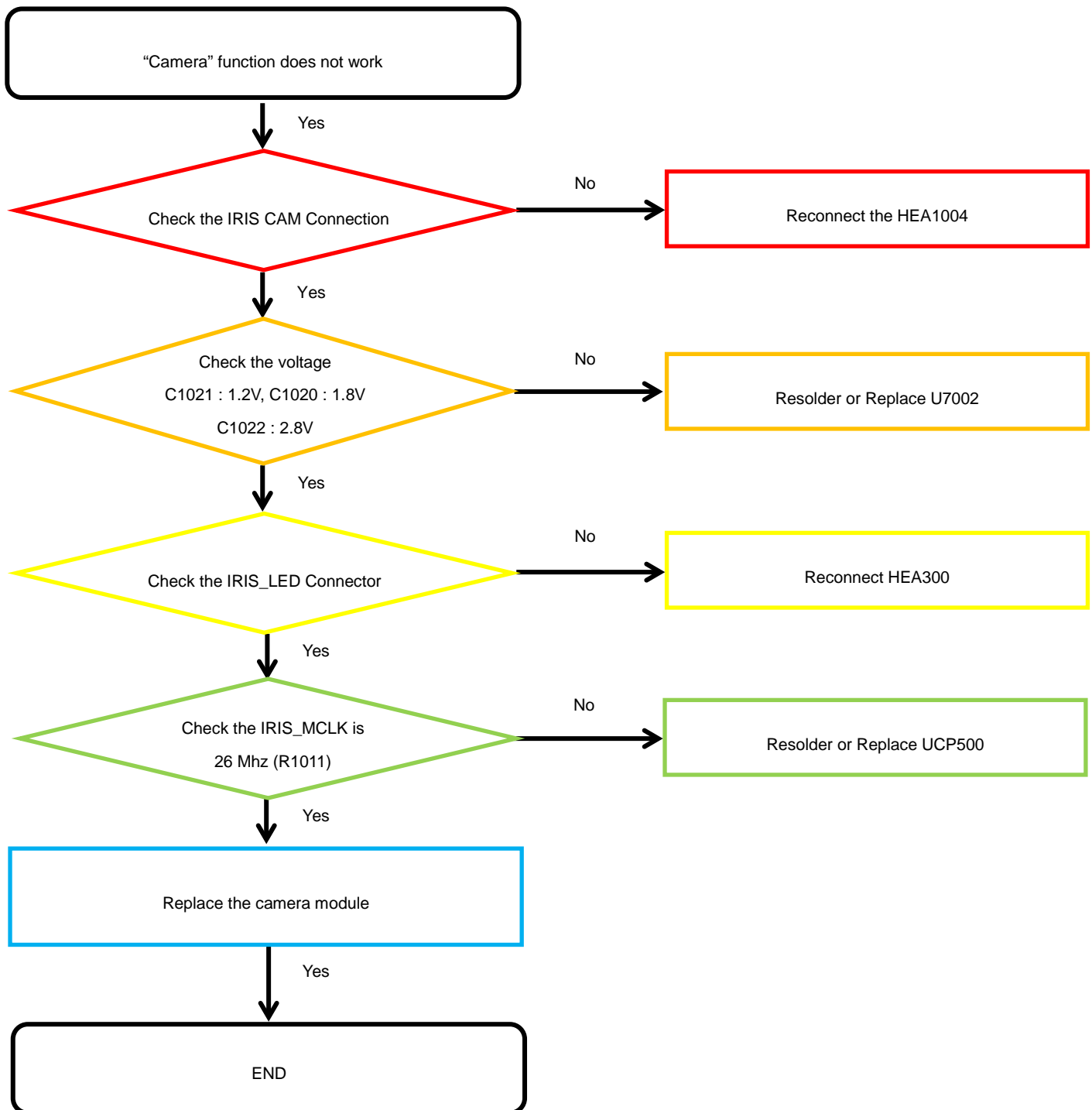
8. Level 3 Repair

8-4-16. 8M CAMERA



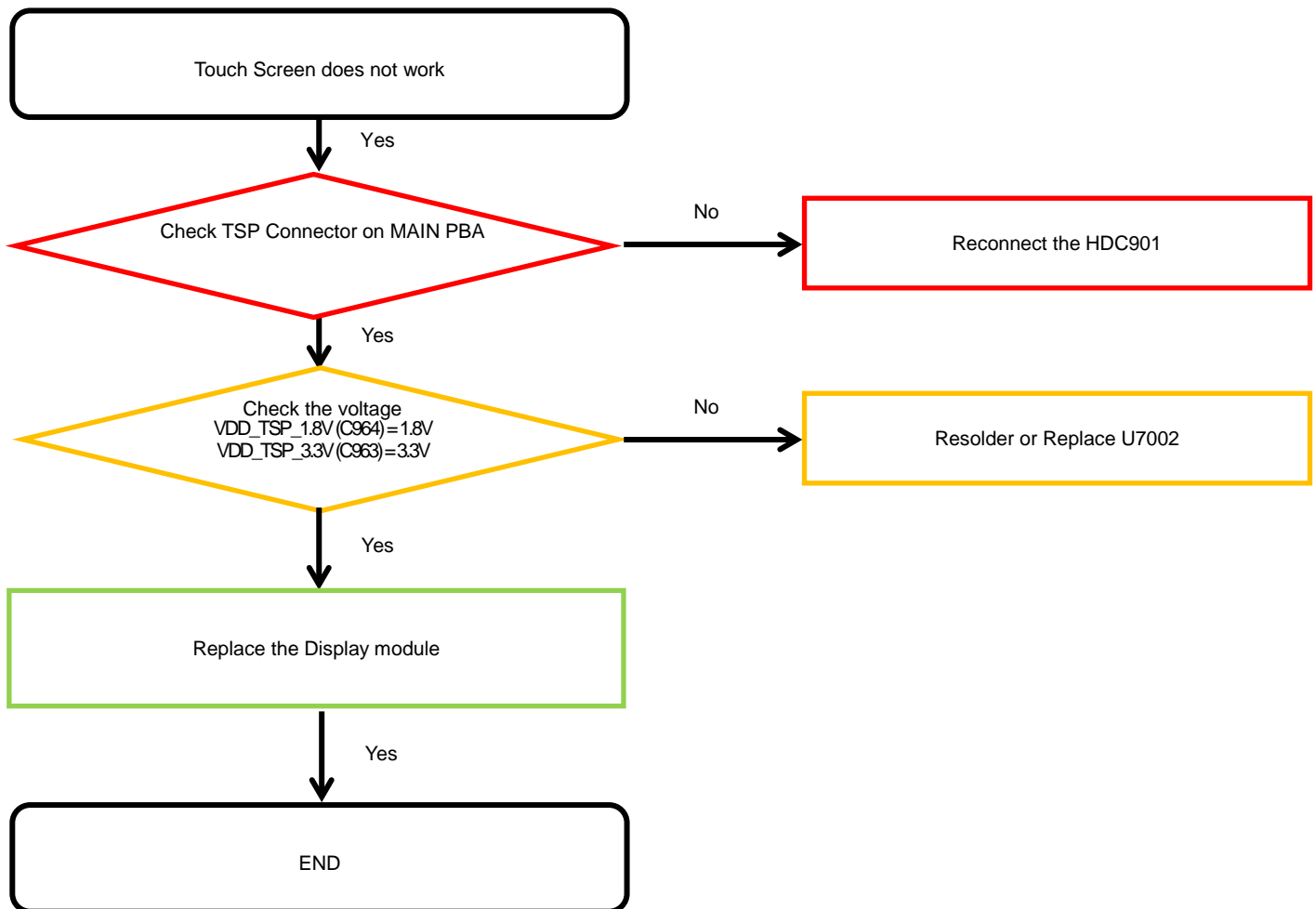
8. Level 3 Repair

8-4-17. IRIS CAM



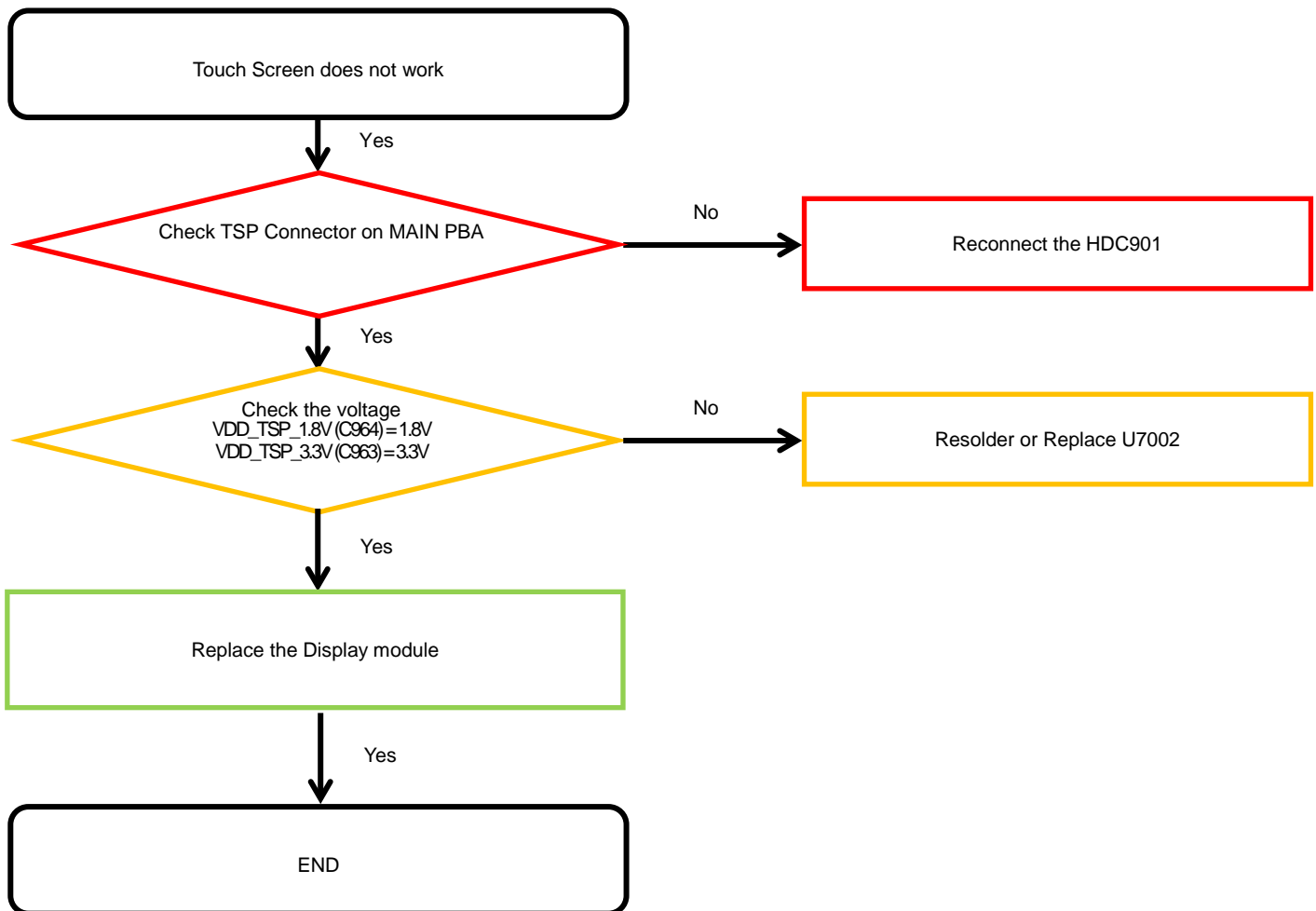
8. Level 3 Repair

8-4-18. TSP



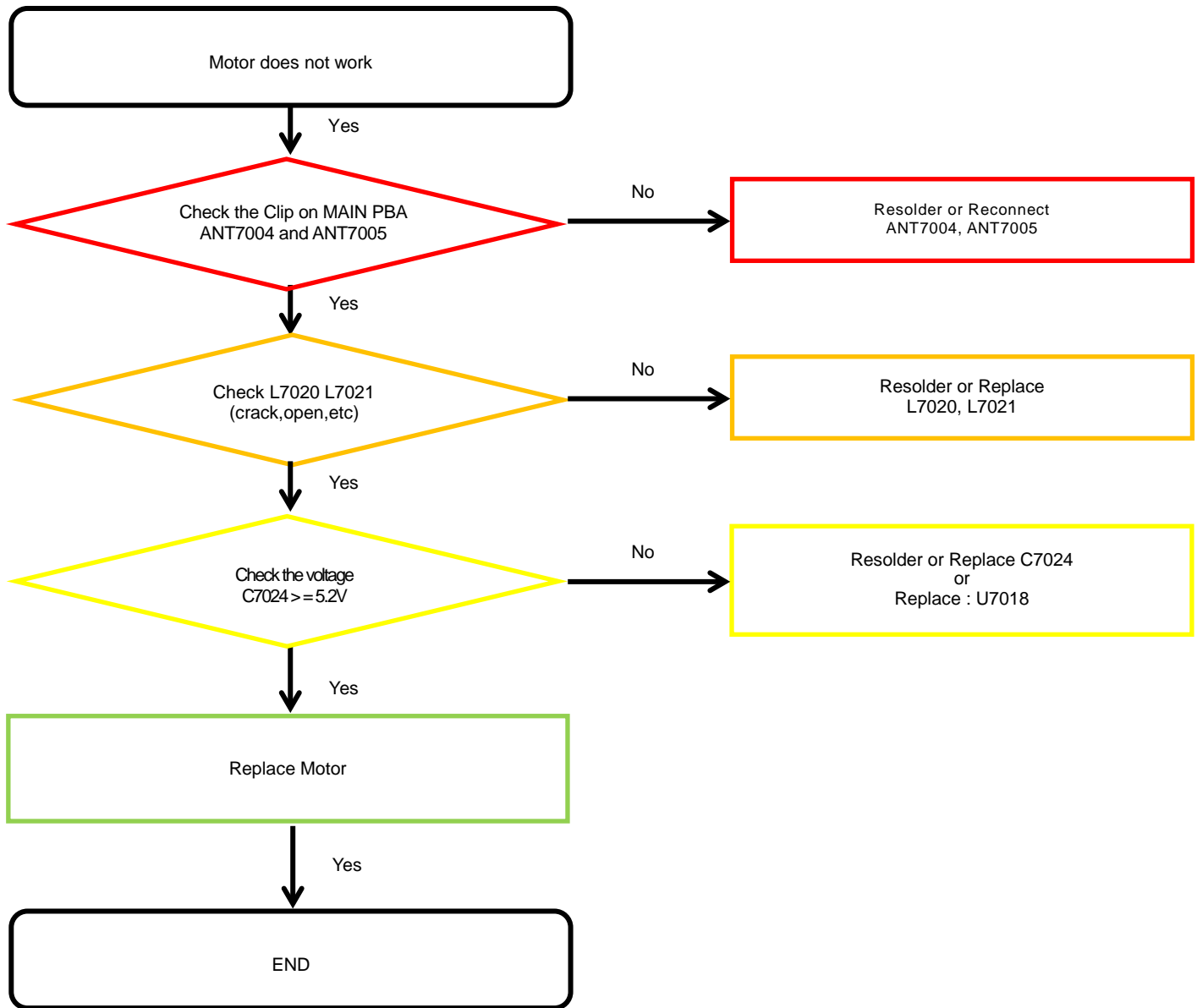
8. Level 3 Repair

8-4-19. Pressure Touch (Home Button function)



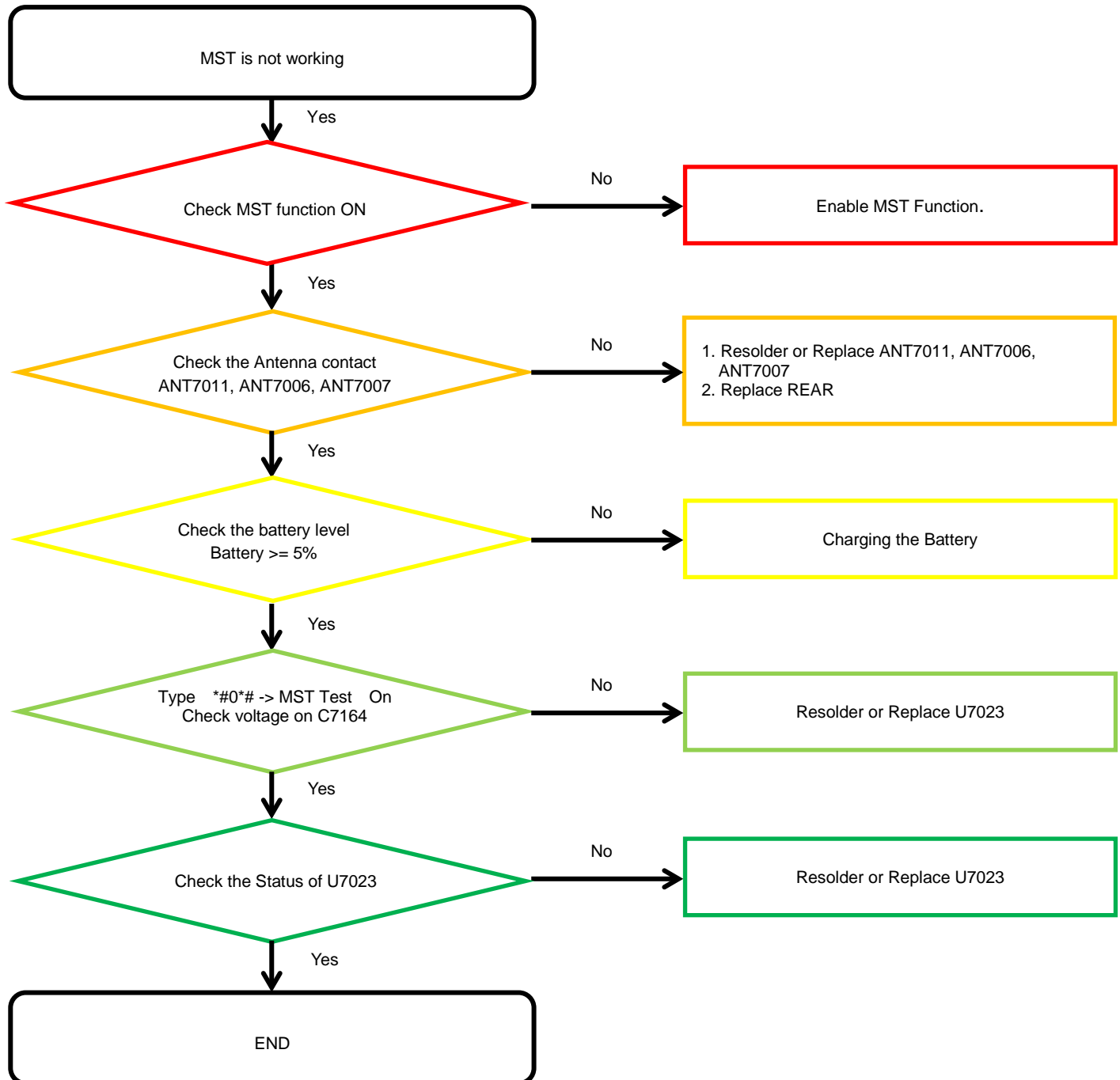
8. Level 3 Repair

8-4-20. Motor



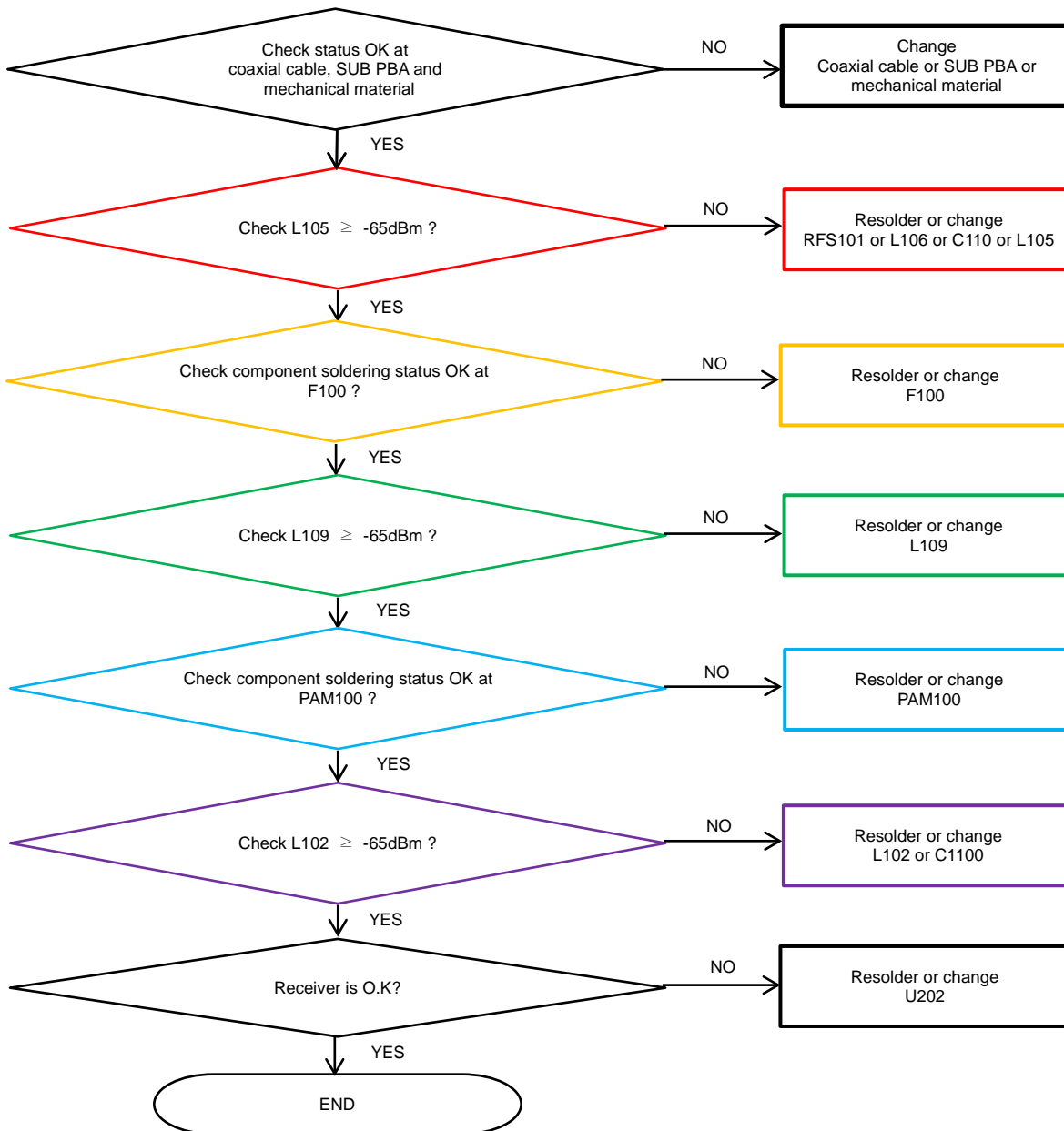
8. Level 3 Repair

8-4-21. MST



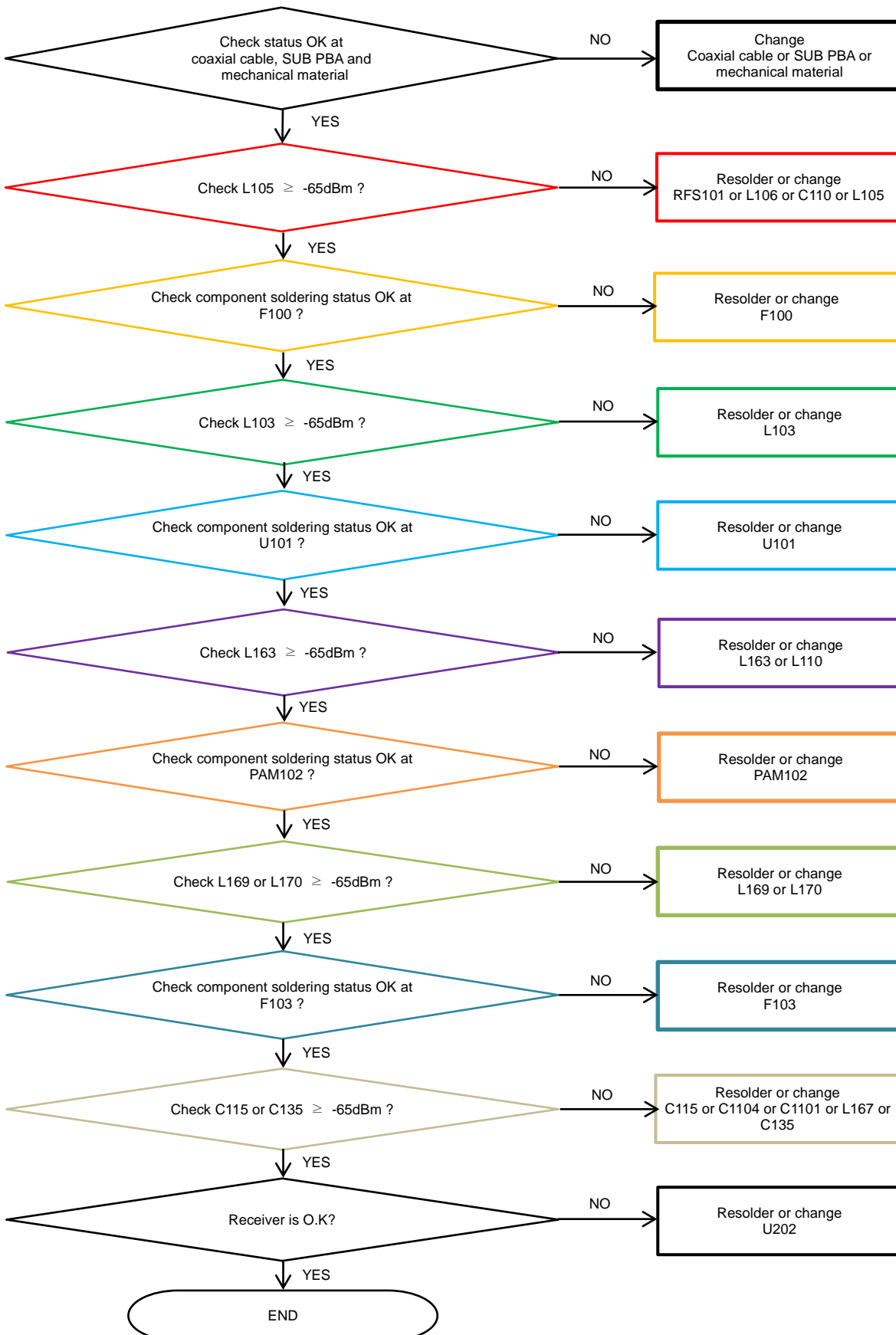
8. Level 3 Repair

8-4-22. GSM 850/900, WCDMA B5/8, LTE B5/8/12/13/17/18/19/20/26/28 Rx



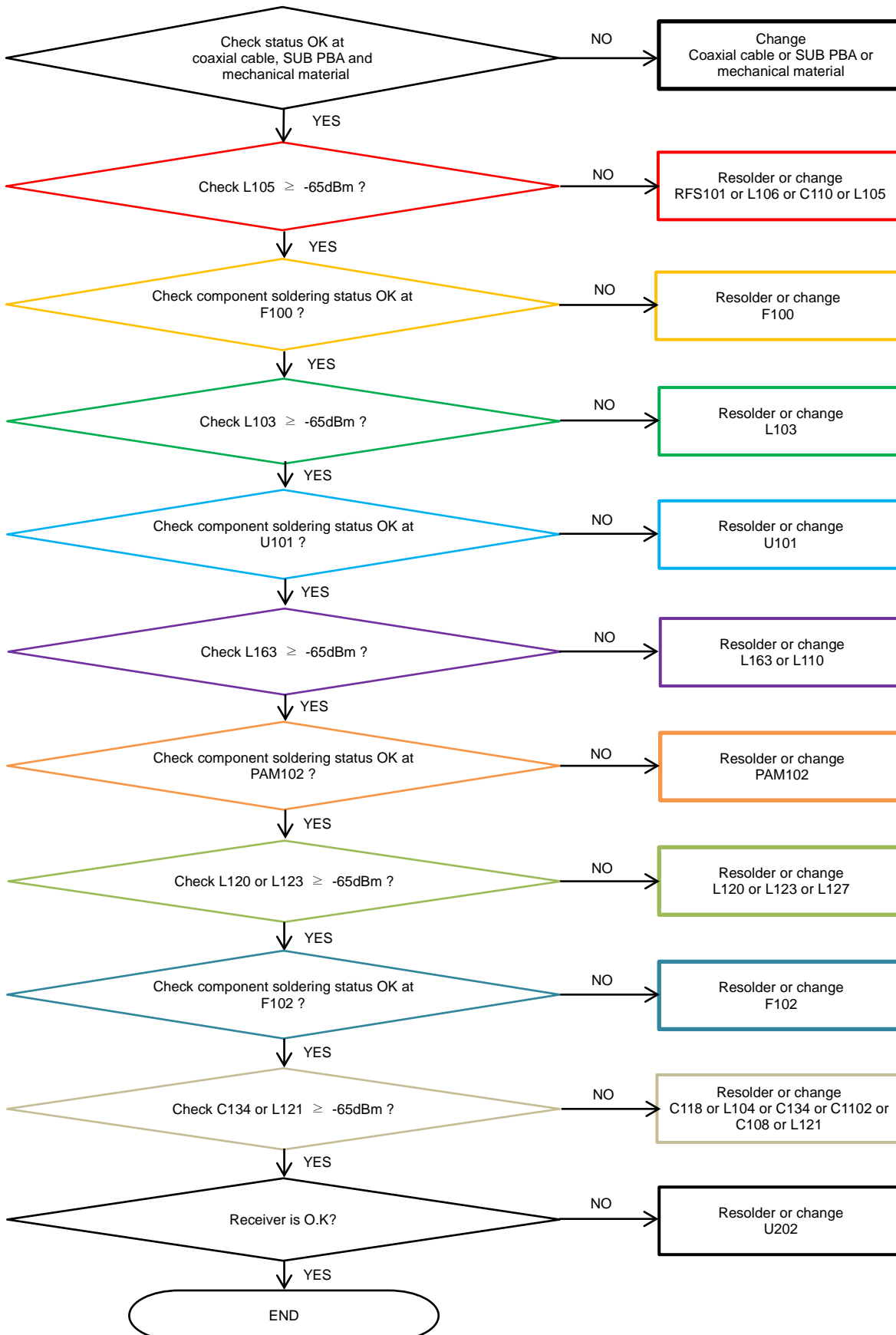
8. Level 3 Repair

8-4-23. LTE B7/40 4Rx D



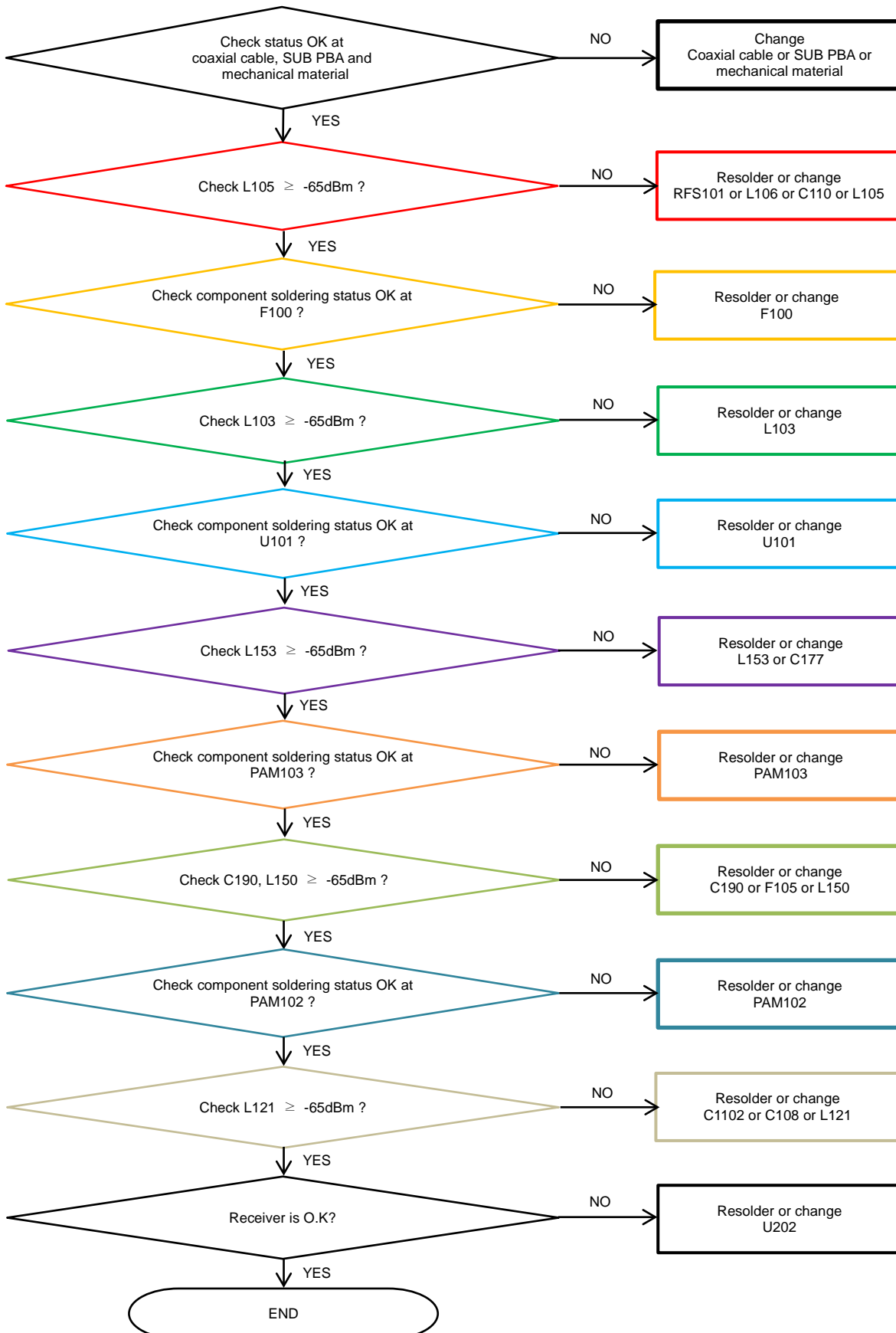
8. Level 3 Repair

8-4-24. WCDMA B1/4, TD-SCDMA B34/39, LTE B1/4/39/66 Rx



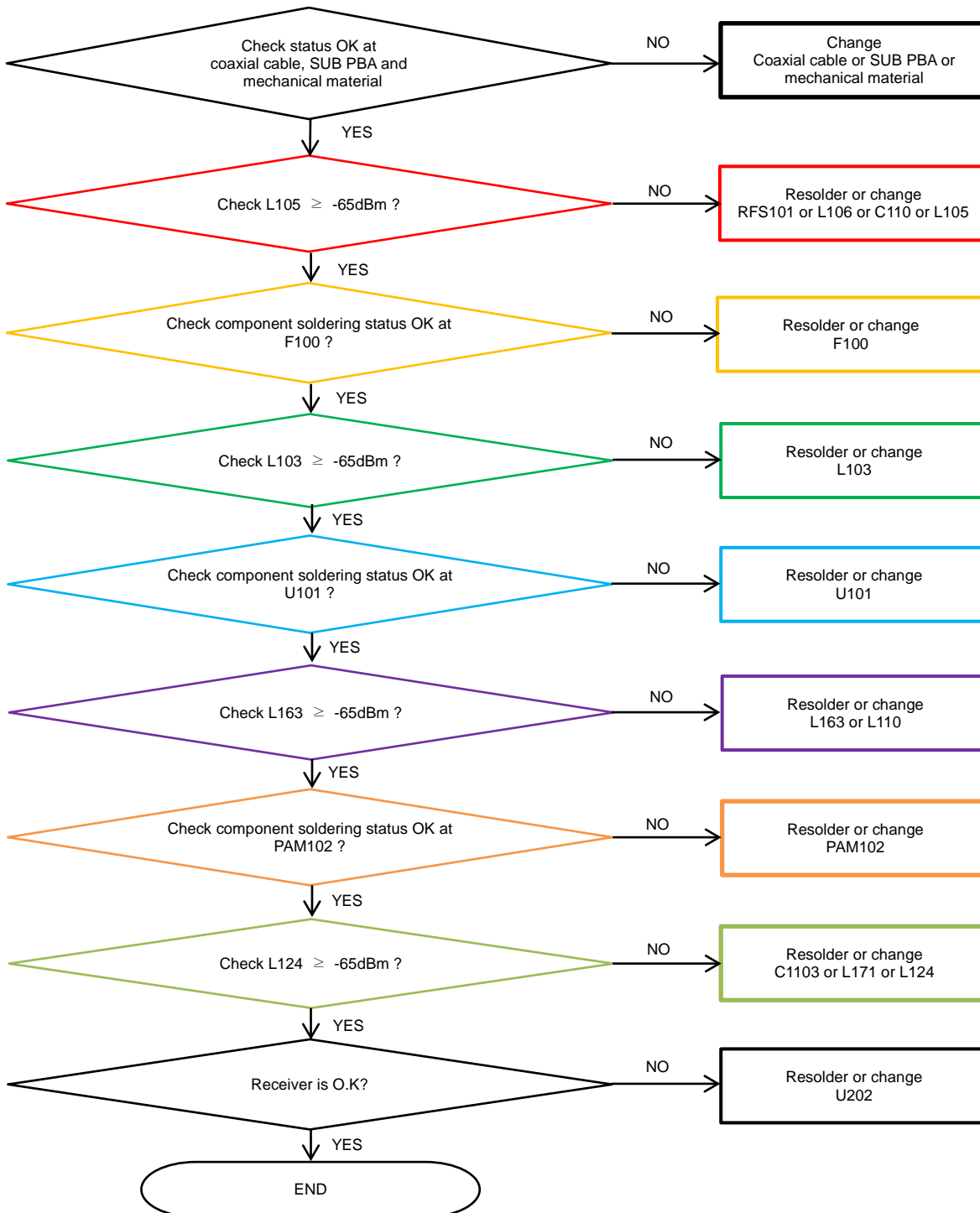
8. Level 3 Repair

8-4-25. LTE B32 Rx



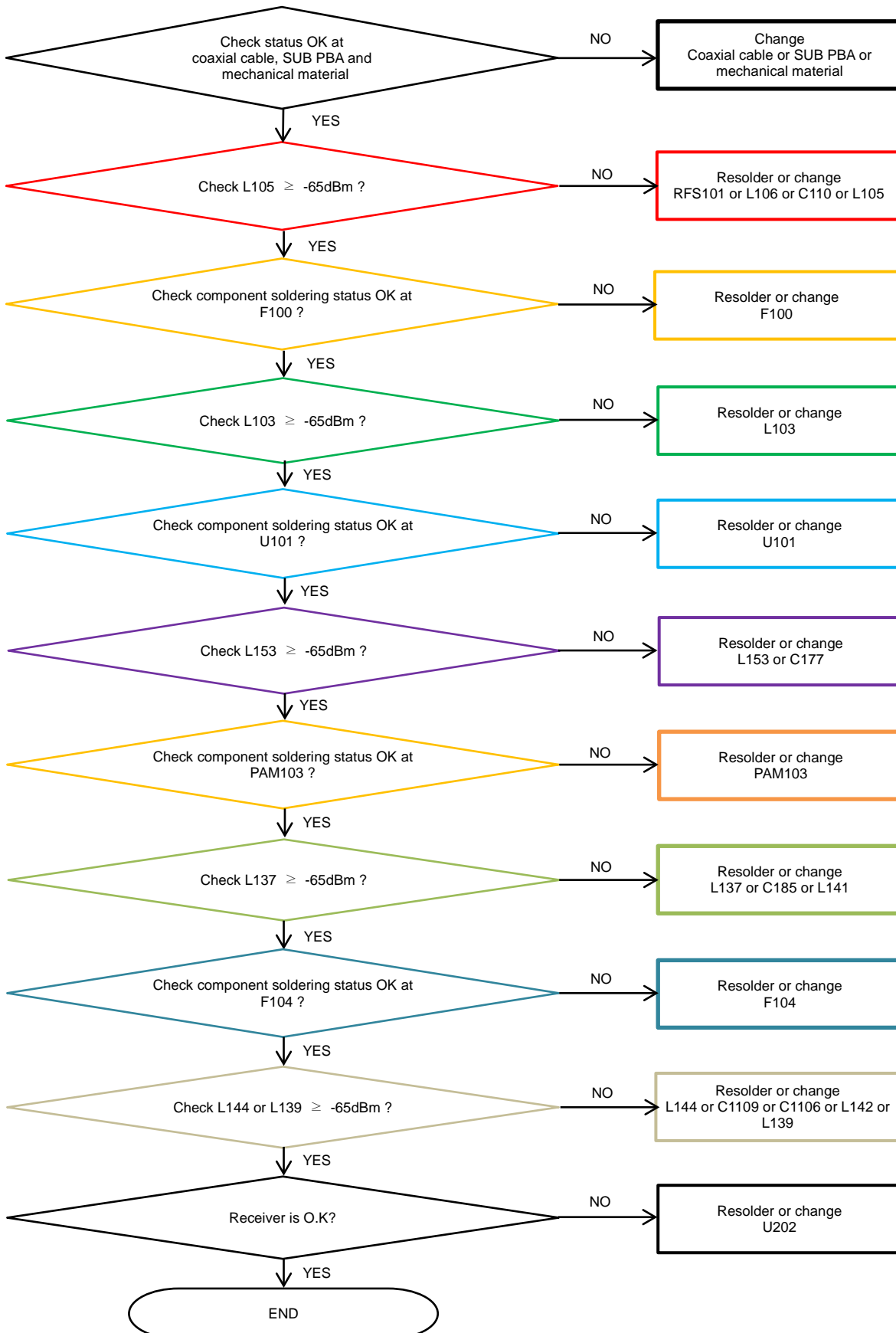
8. Level 3 Repair

8-4-26. GSM1800/1900, WCDMA B2, LTE B2/3/25 Rx



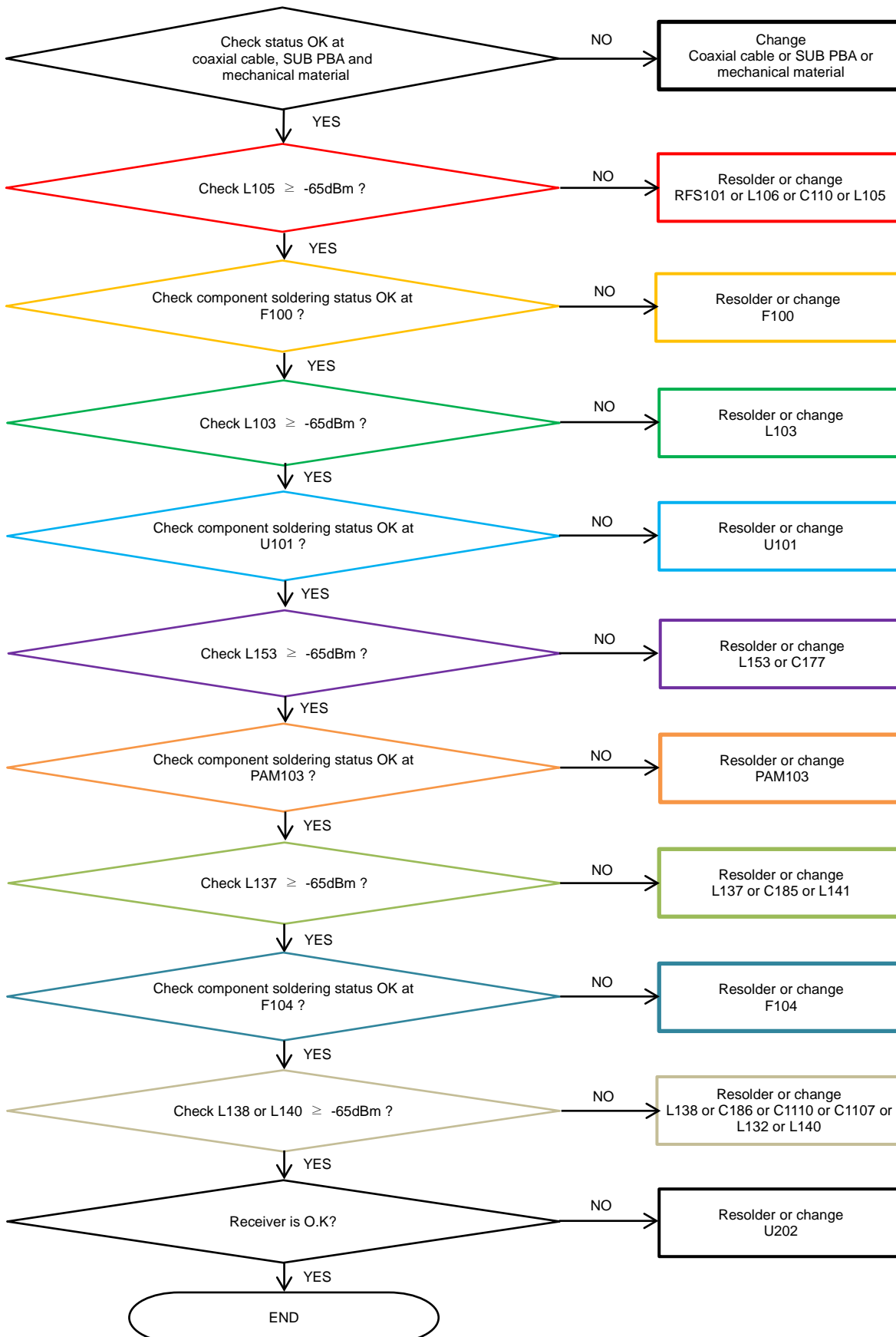
8. Level 3 Repair

8-4-27. LTE B3 4Rx D



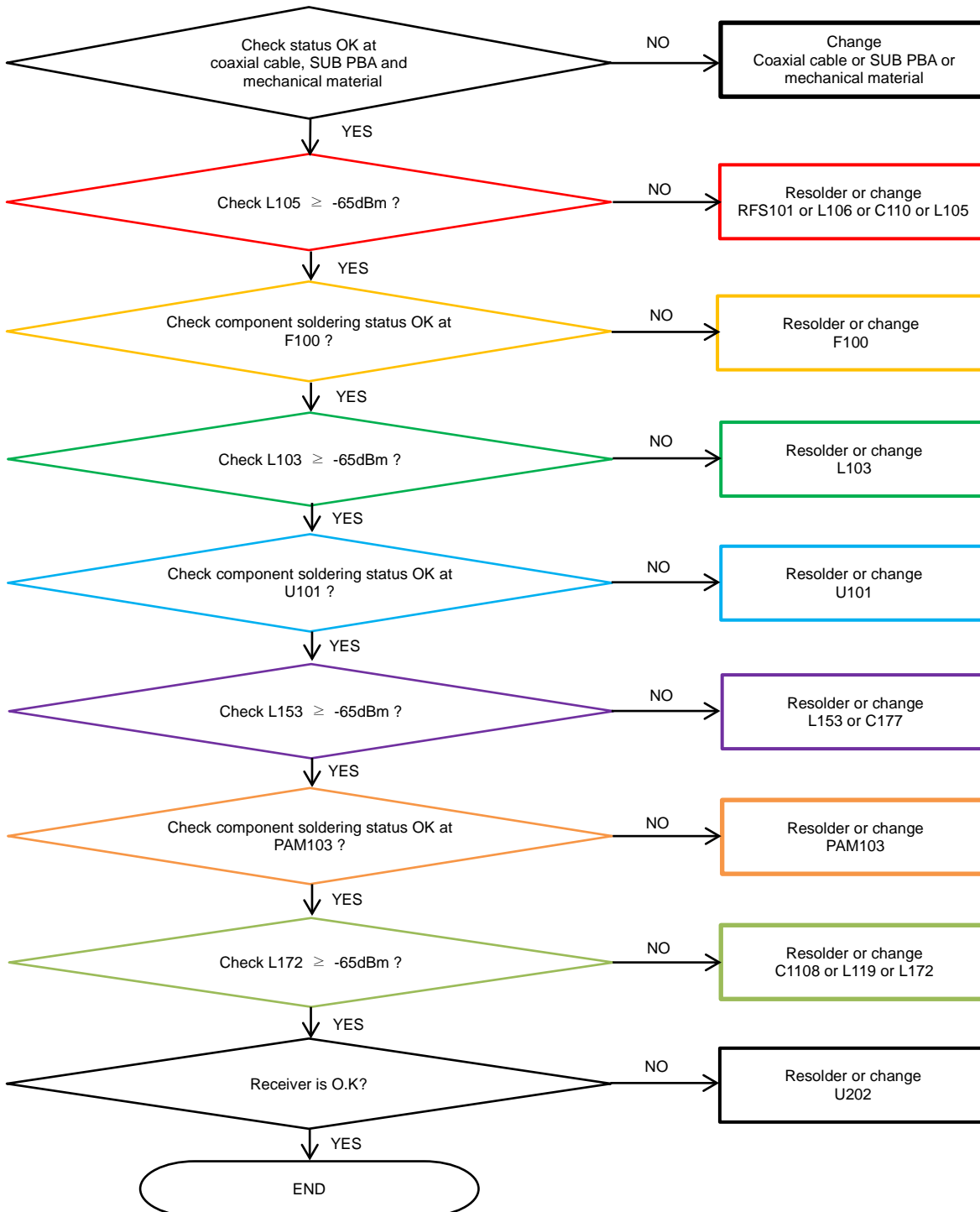
8. Level 3 Repair

8-4-28. LTE B1/4 4RxD



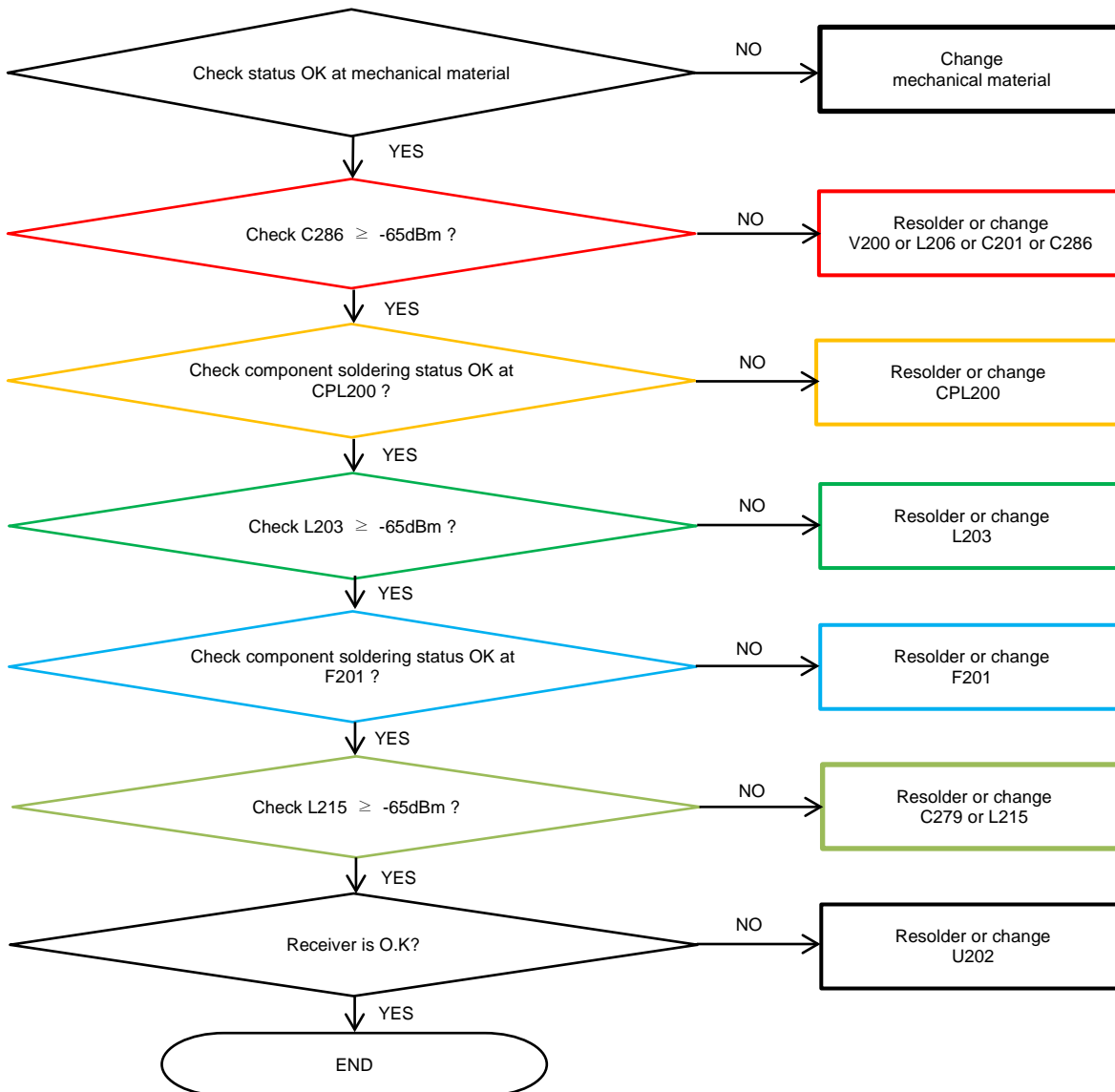
8. Level 3 Repair

8-4-29. LTE B7/38/40/41 Rx



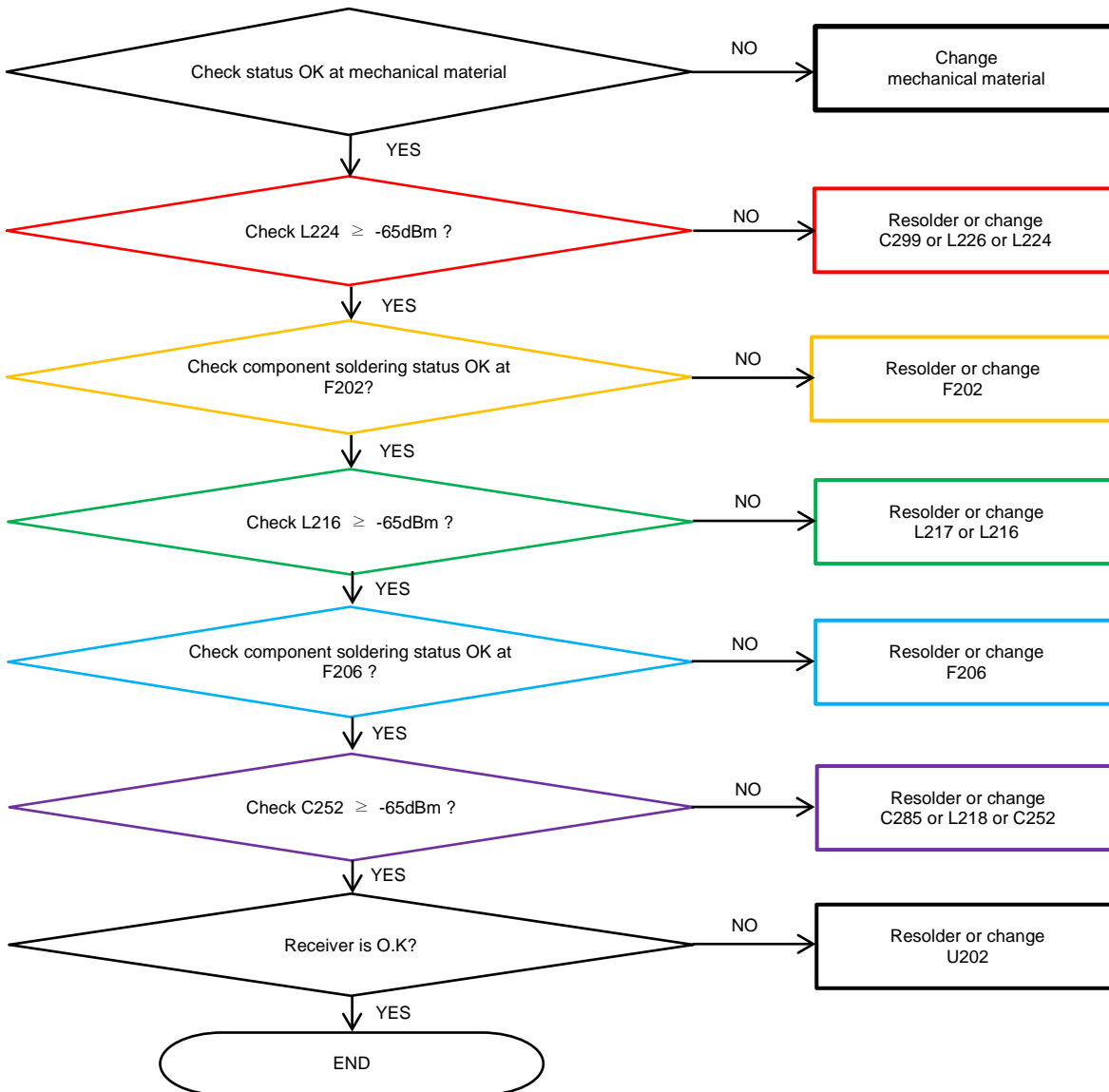
8. Level 3 Repair

8-4-30. LTE B5/8/12/13/17/18/19/20/26/28 , WCDMA B5/8 , GSM850/900 DRx



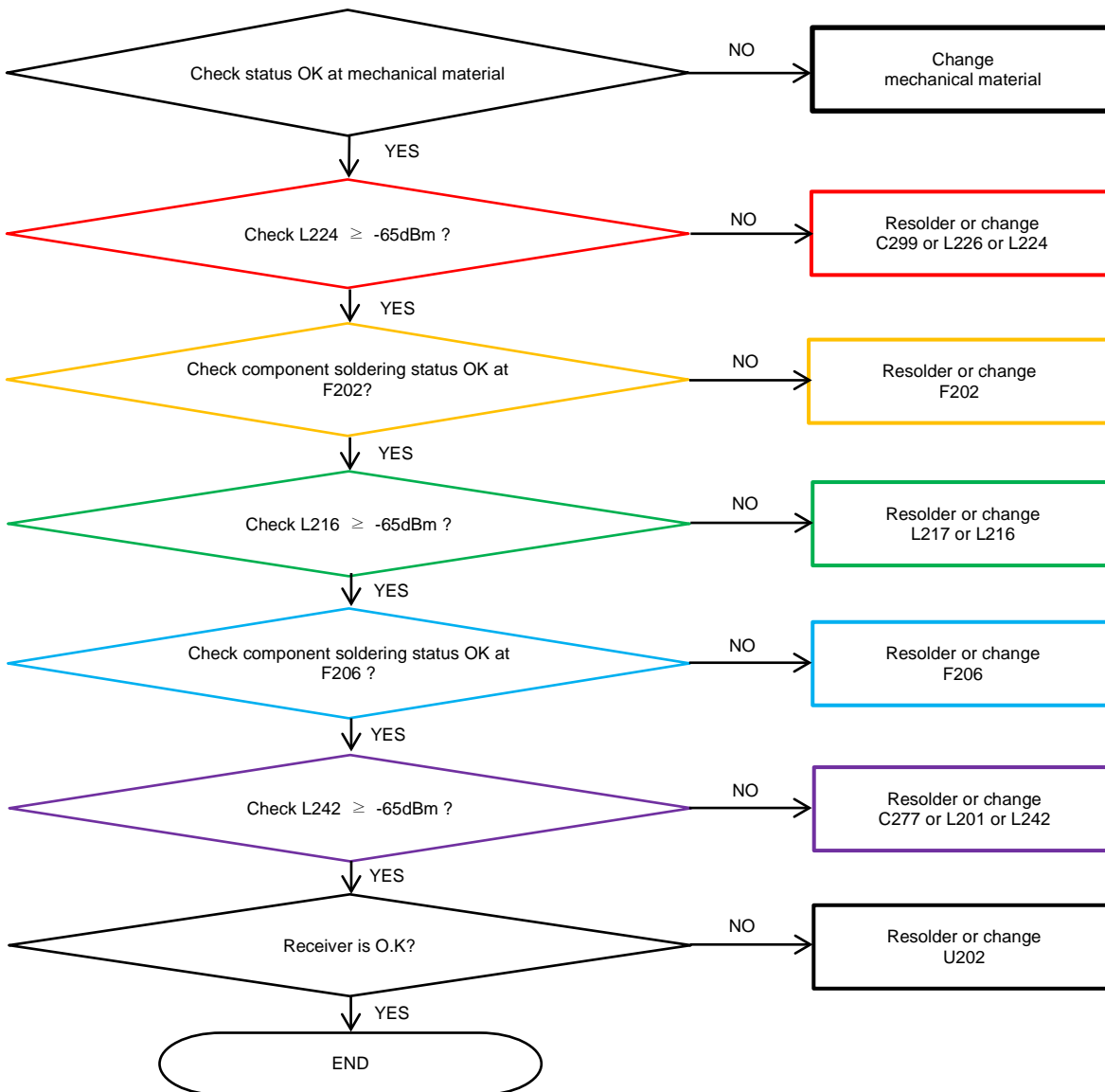
8. Level 3 Repair

8-4-31. LTE B1/4/7/38/40/41/66 , WCDMA B1/4 DRx



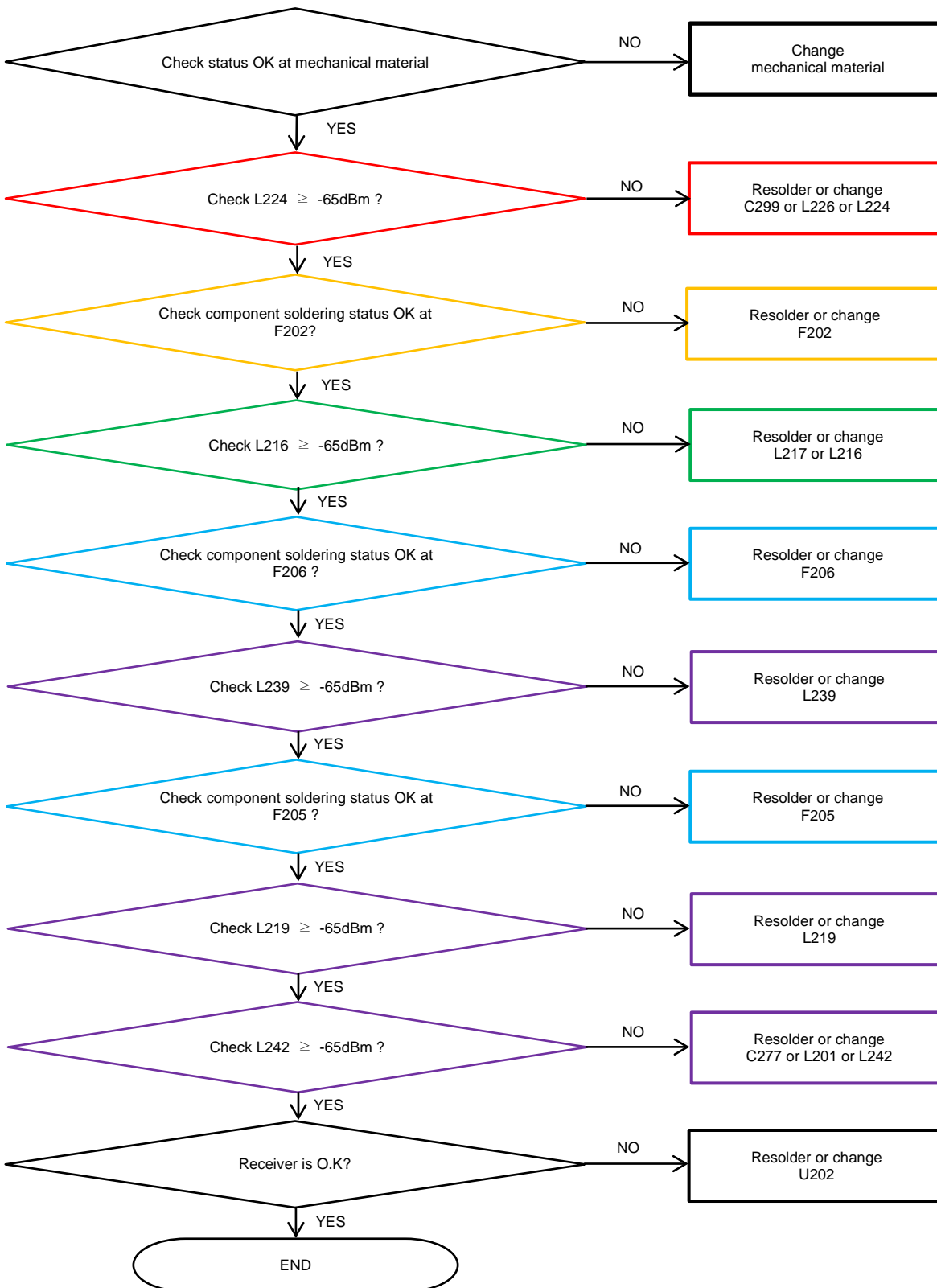
8. Level 3 Repair

8-4-32. LTE B2/3/25 , WCDMA B2 , GSM1800/1900 DRx



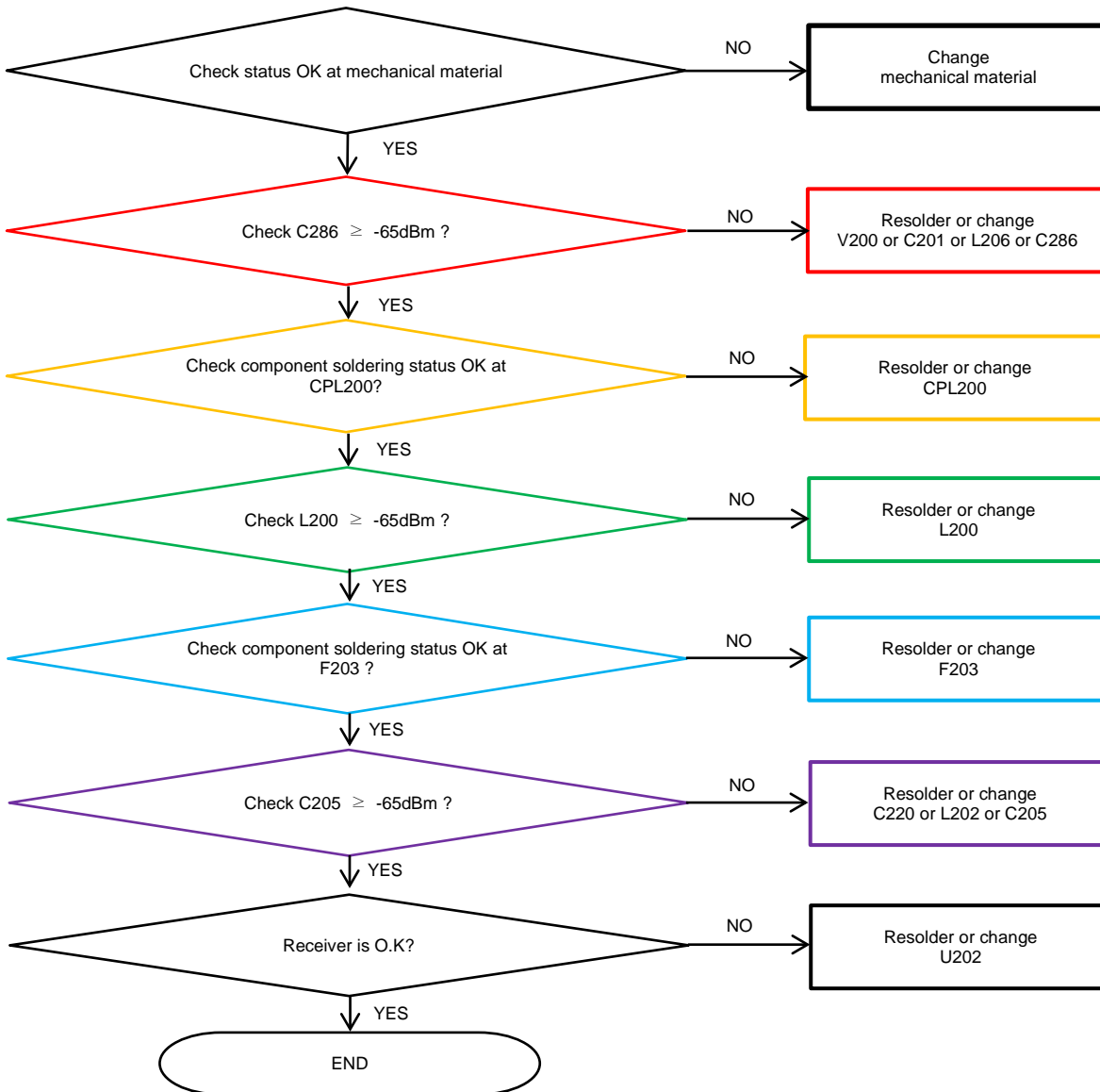
8. Level 3 Repair

8-4-33. LTE B32 DRx



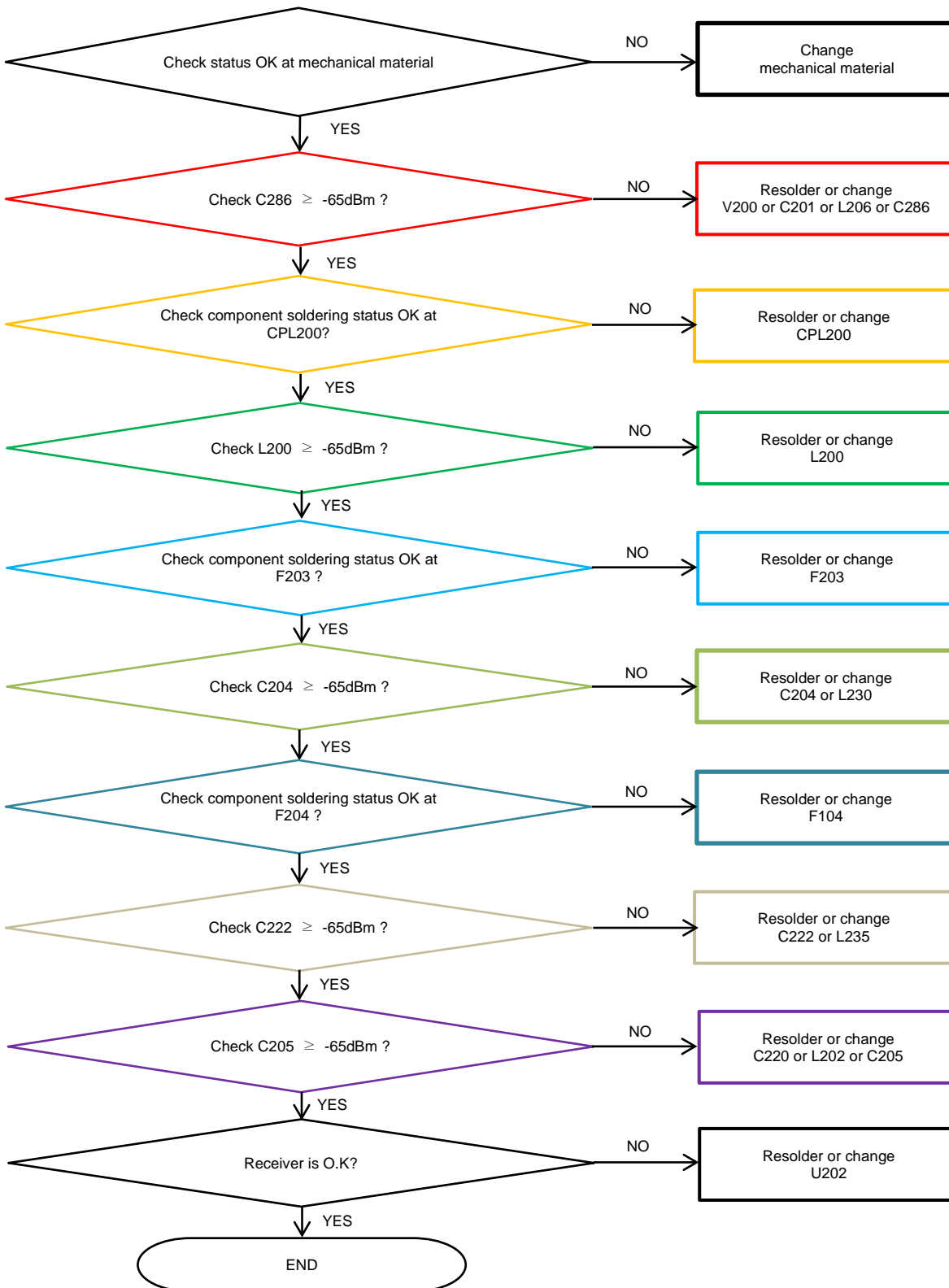
8. Level 3 Repair

8-4-34. LTE B39 DRx , B1/4/7 4Rx(DRx2)



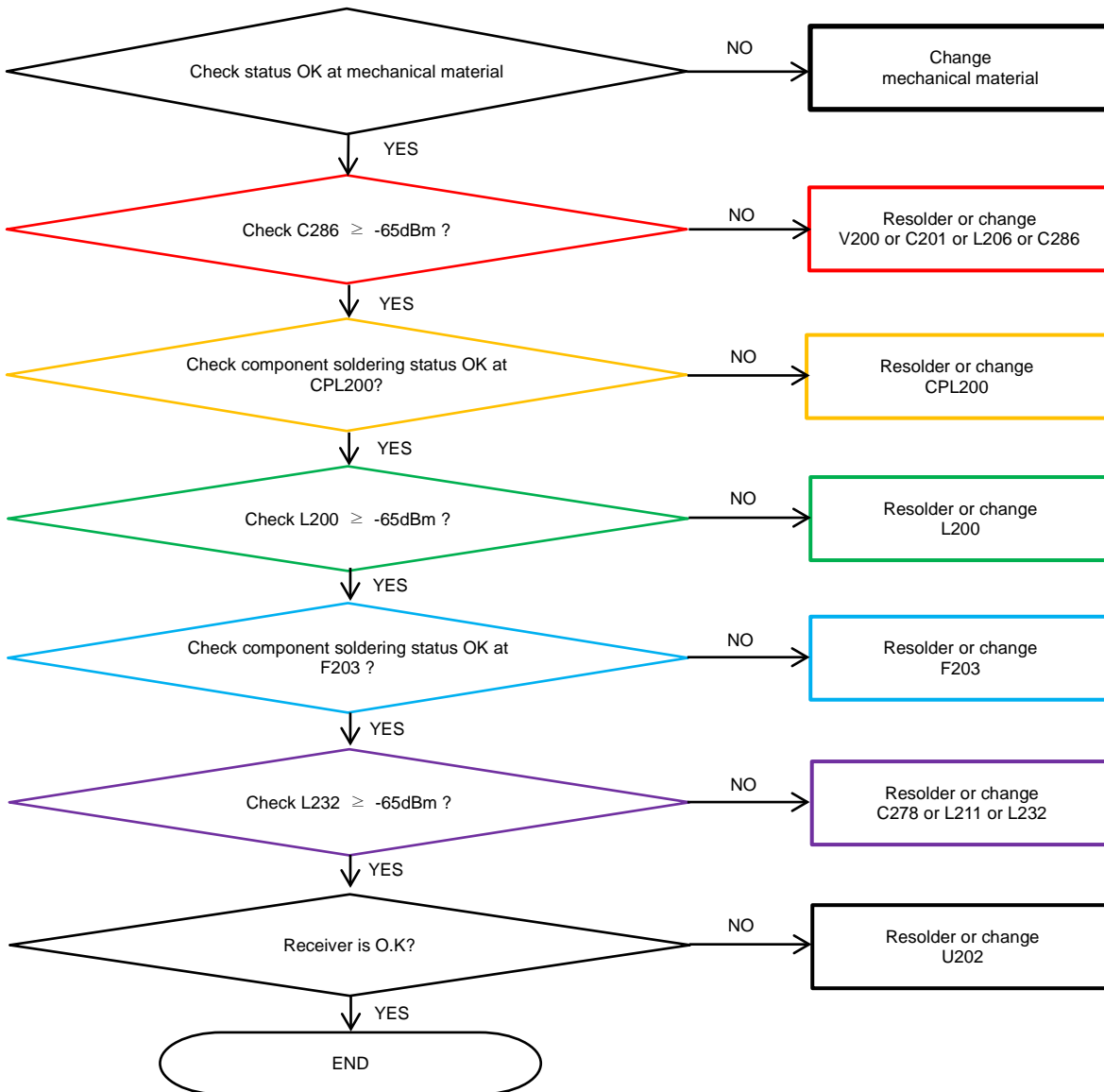
8. Level 3 Repair

8-4-35. LTE B40 4Rx(DRxD)



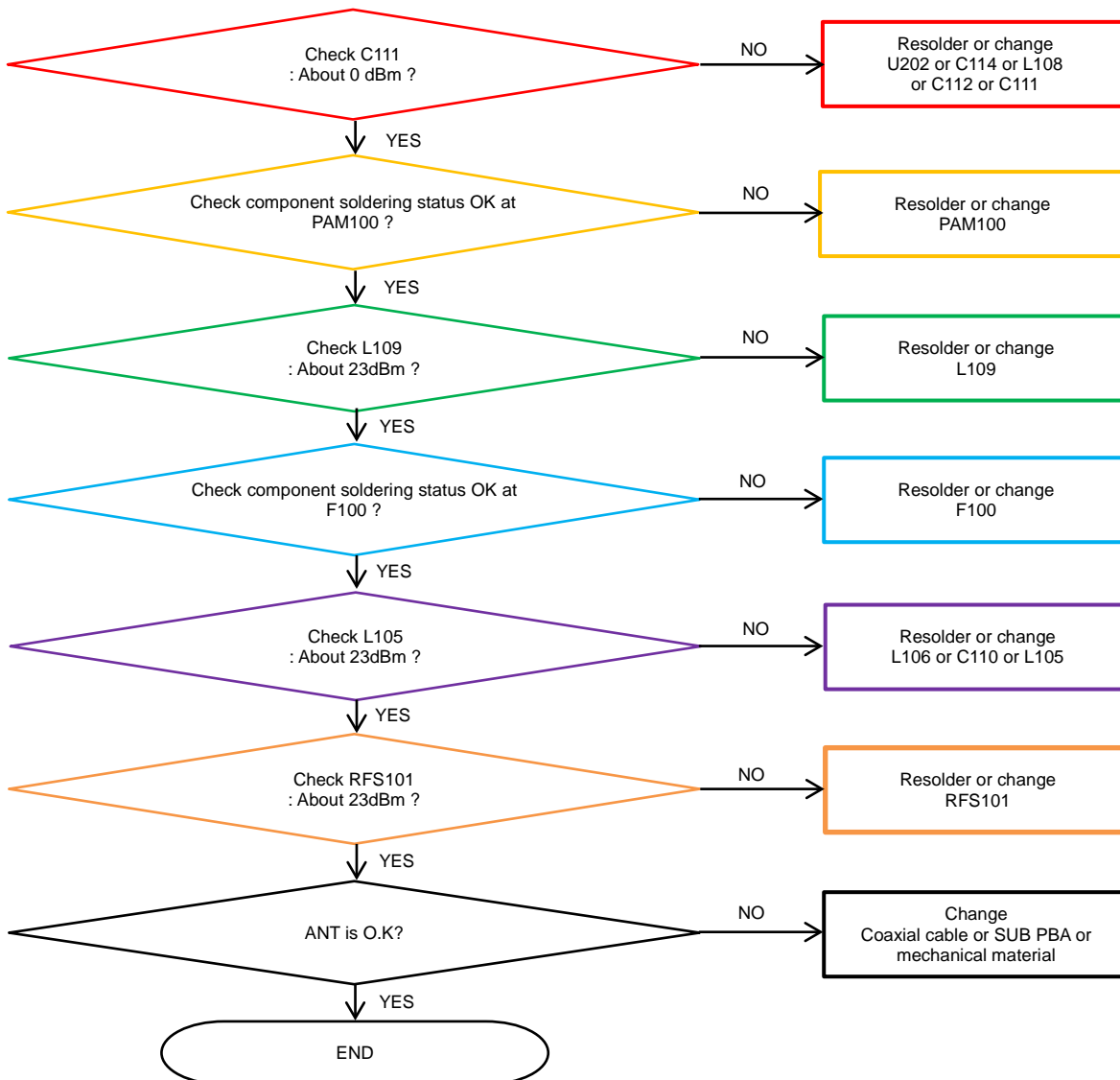
8. Level 3 Repair

8-4-36. LTE B3 4RxDR(DRx2)



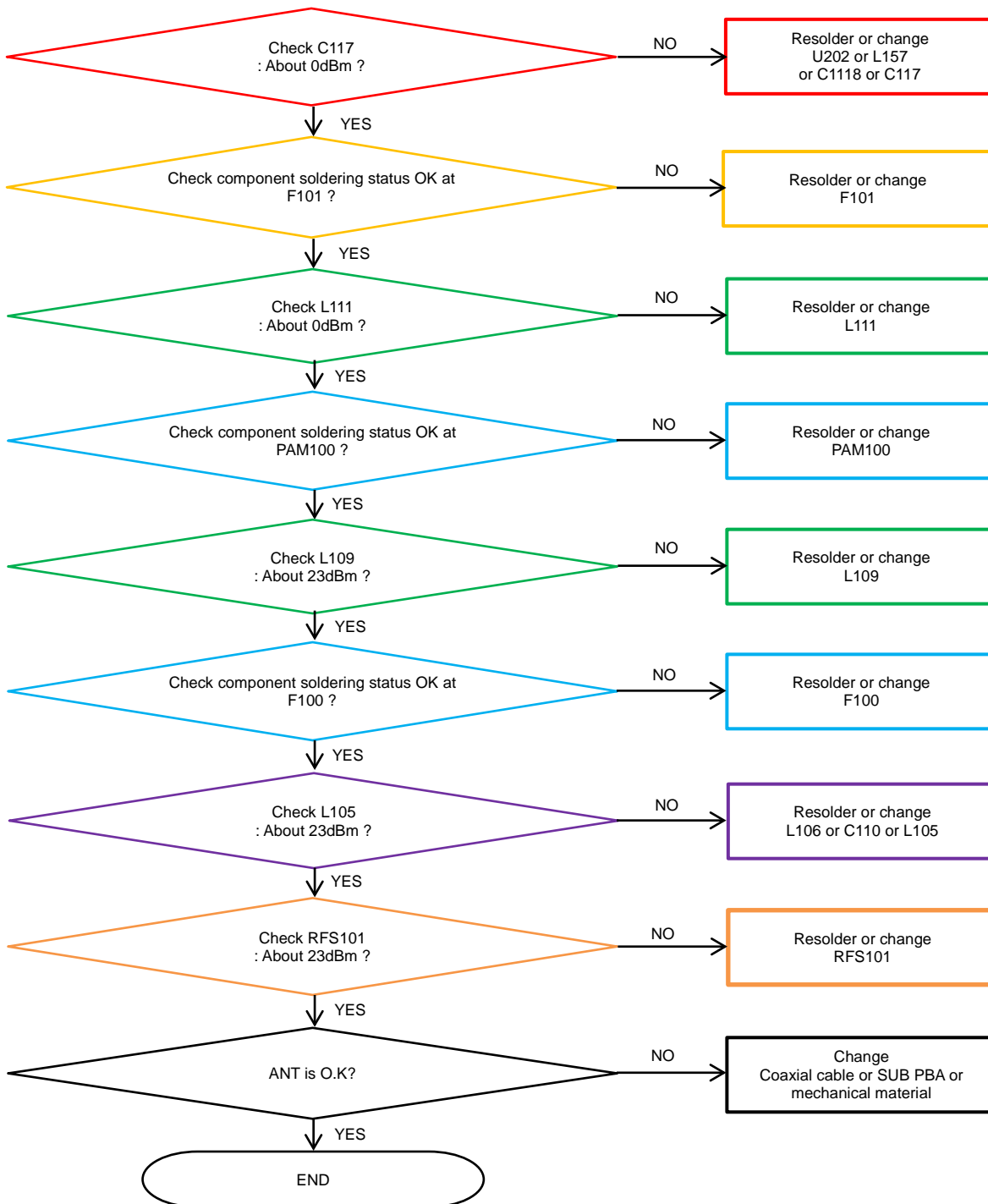
8. Level 3 Repair

8-4-37. WCDMA B5/8, LTE B5/8/12/17/18/19/20/26/28 Tx



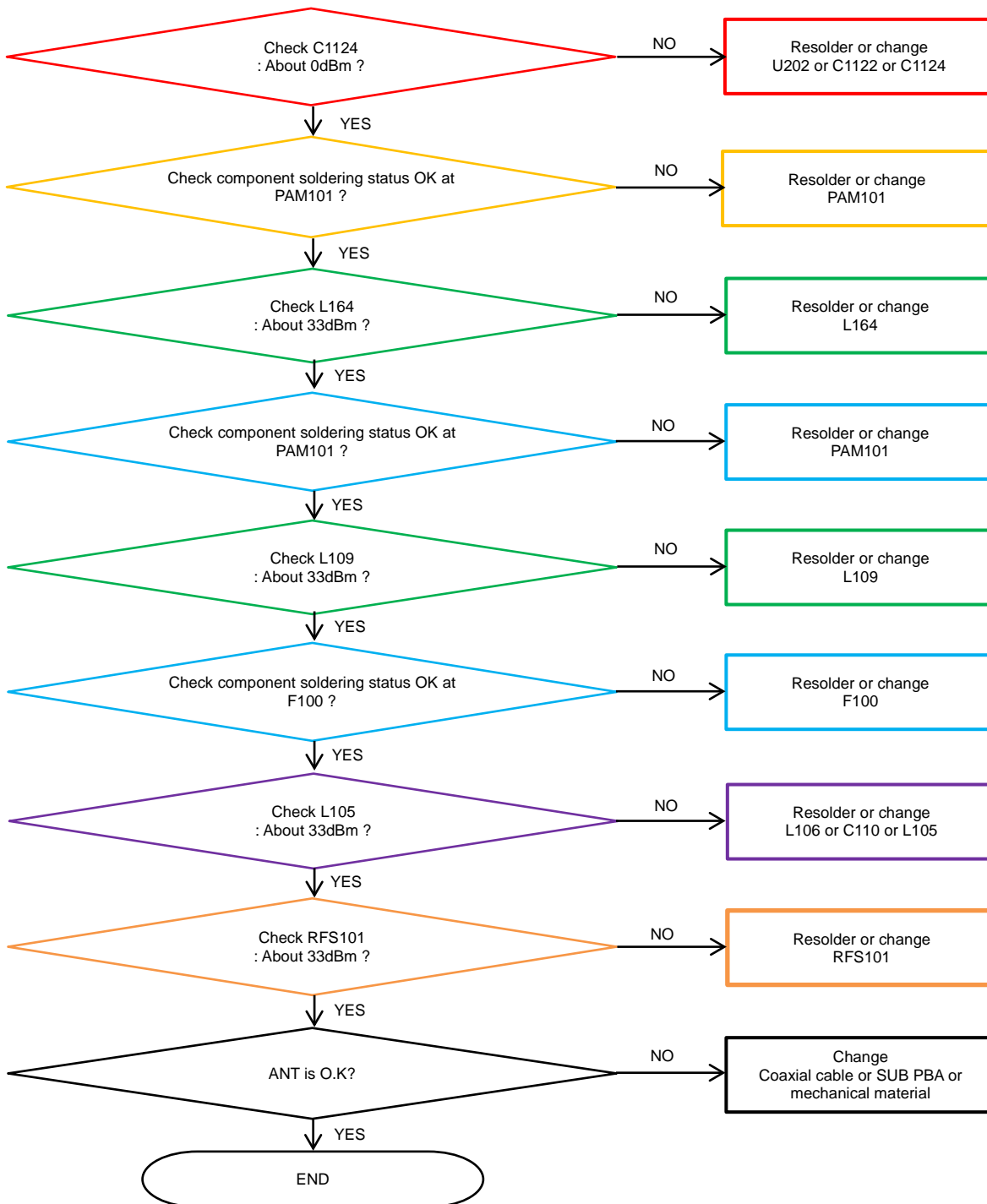
8. Level 3 Repair

8-4-38. LTE B13 Tx



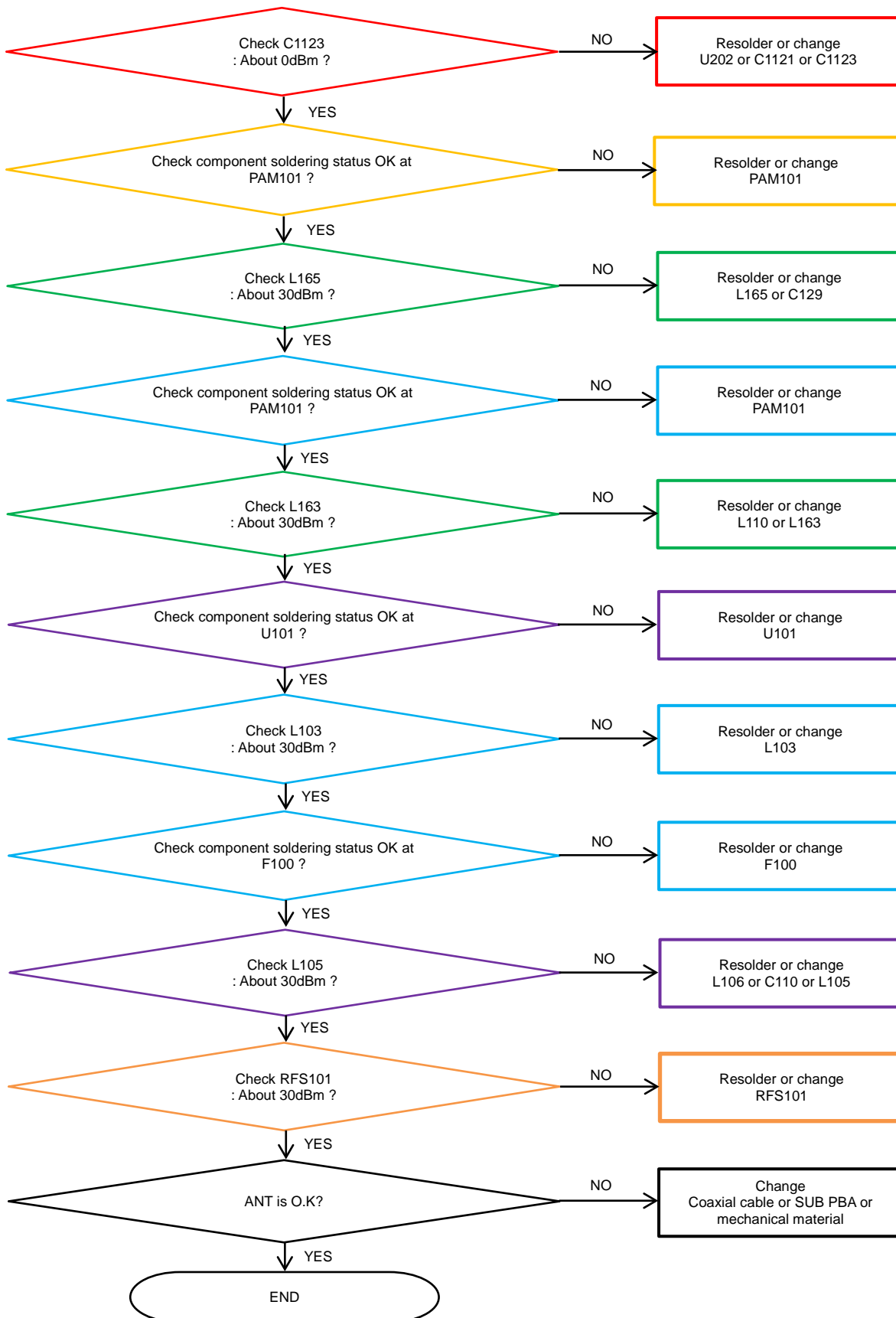
8. Level 3 Repair

8-4-39. GSM 850/900 Tx



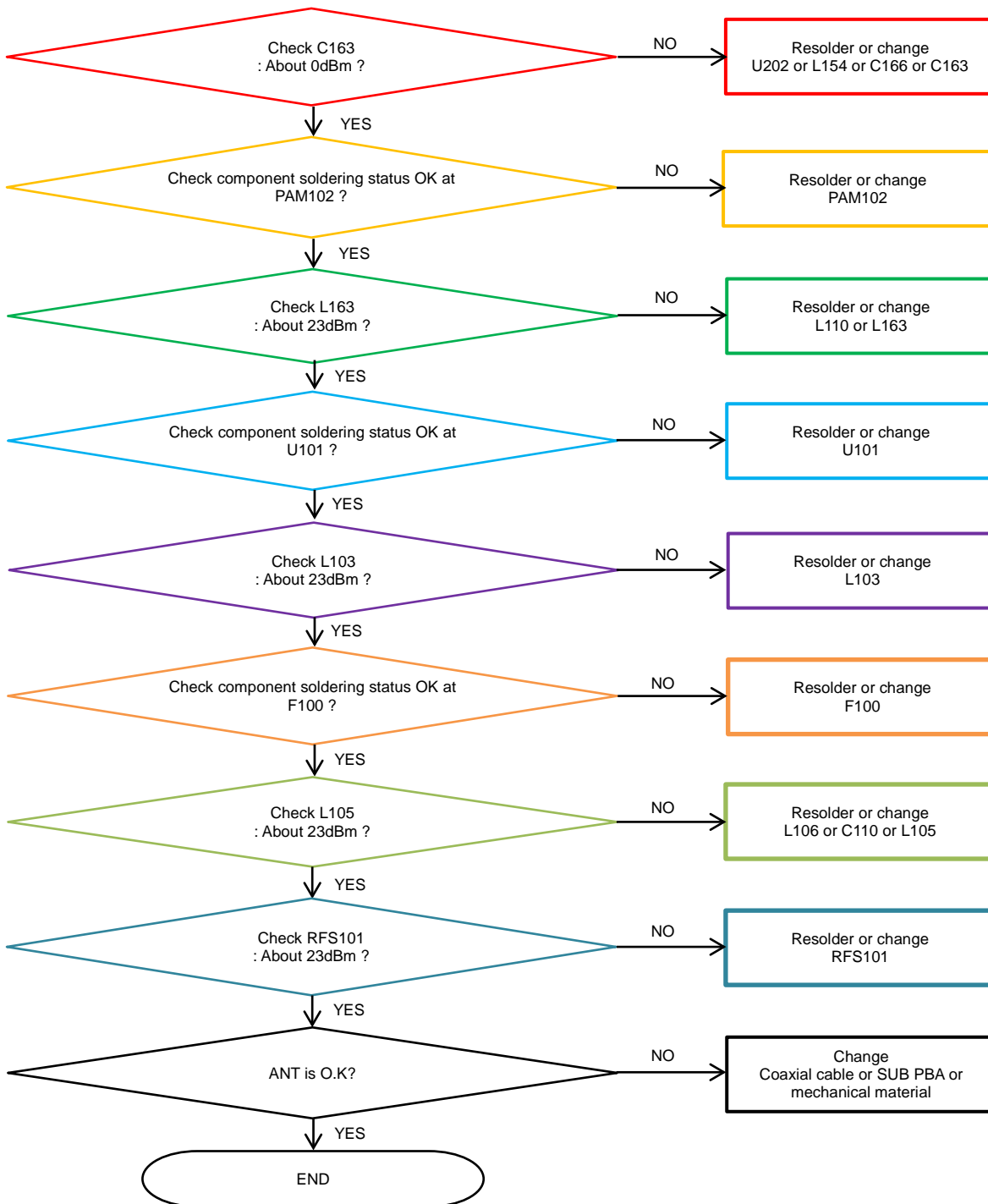
8. Level 3 Repair

8-4-40. GSM 1800/1900 Tx



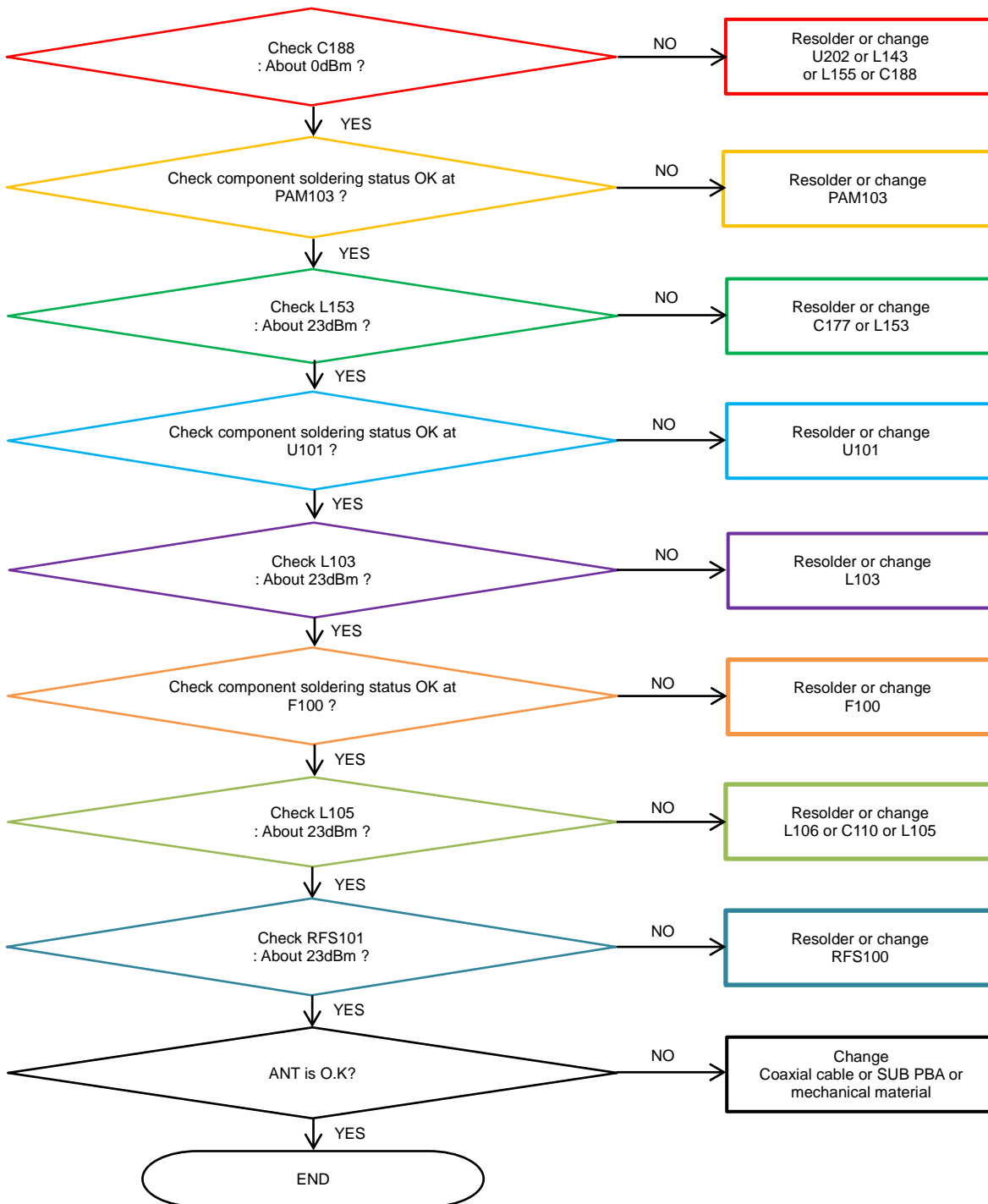
8. Level 3 Repair

8-4-41. WCDMA B1/2/4, TD-SCDMA B34/39, LTE B1/2/3/4/25/39 Tx



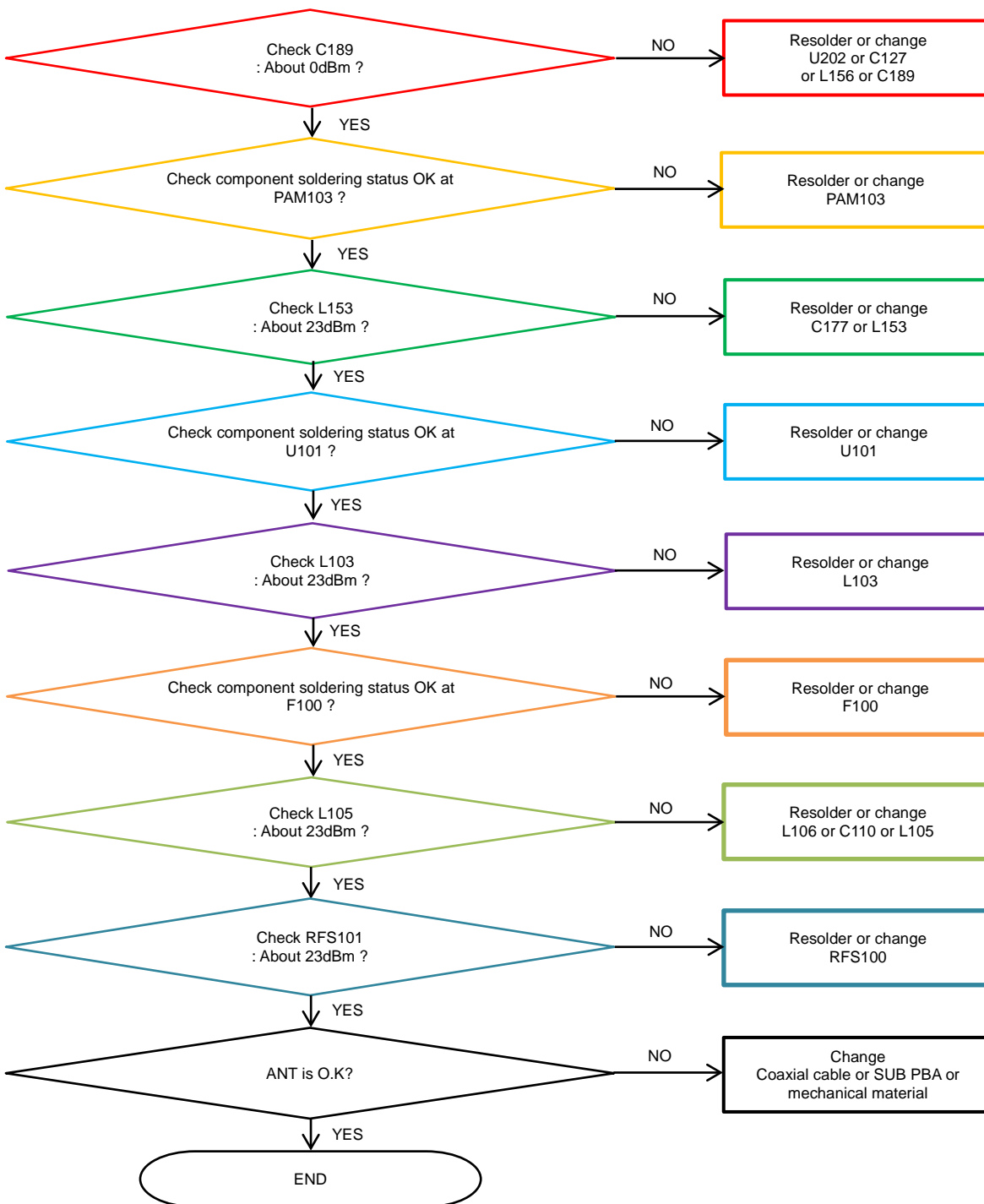
8. Level 3 Repair

8-4-42. LTE B7 Tx



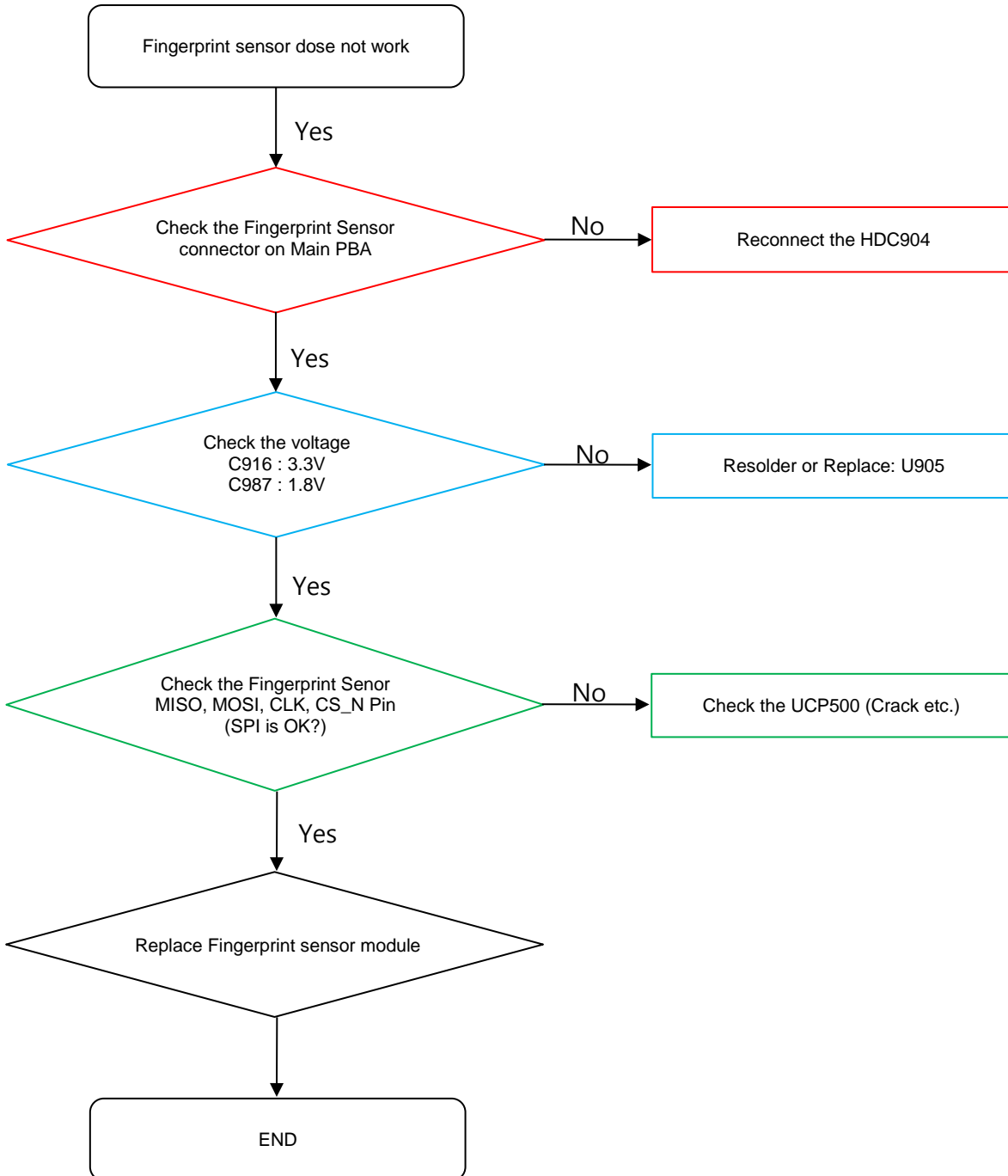
8. Level 3 Repair

8-4-43. LTE B38/40/41 Tx



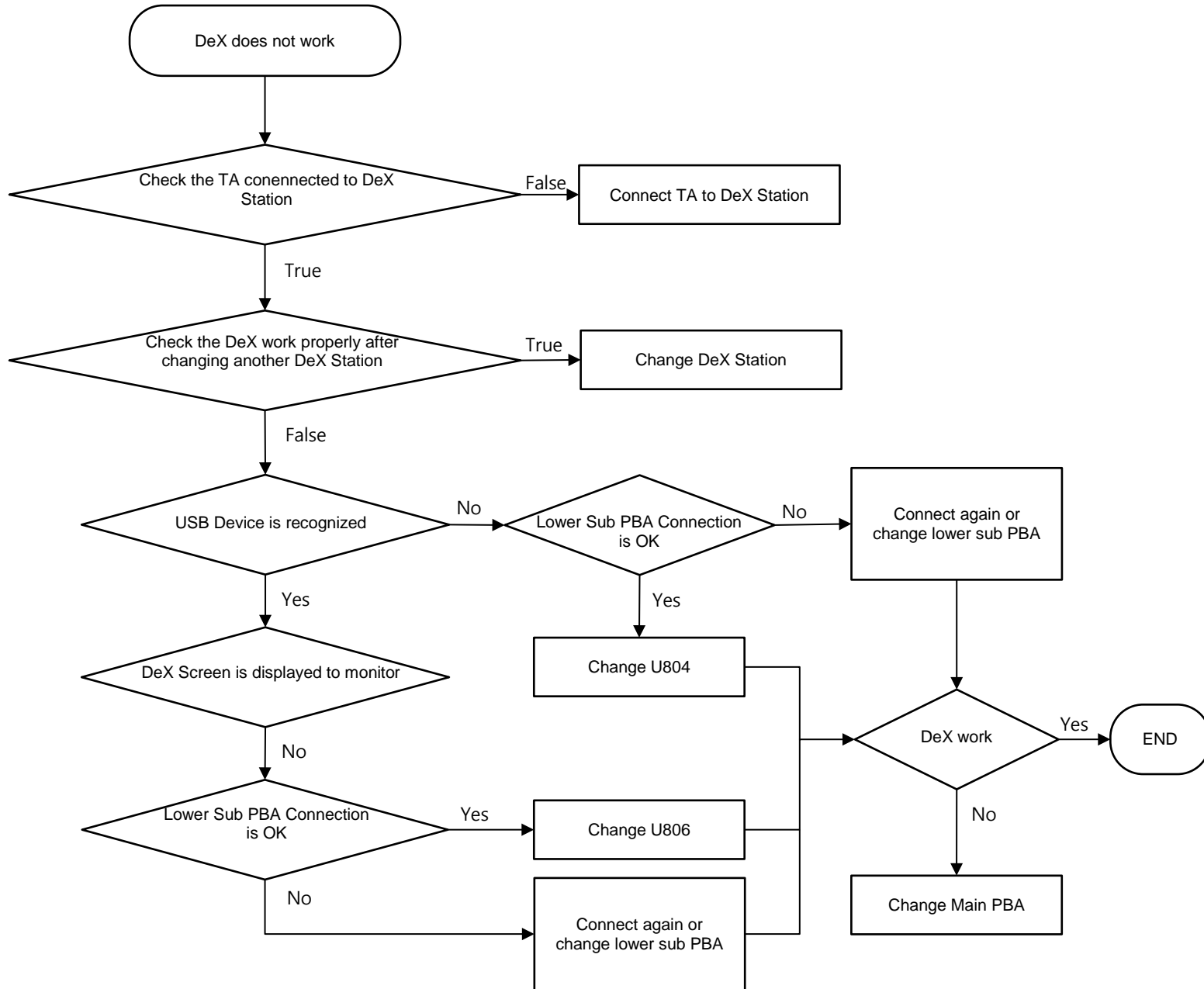
8. Level 3 Repair

8-4-44. Fingerprint Sensor



8. Level 3 Repair

8-4-45. DeX Station



8. Level 3 Repair

8-5. Service Schematics

- NC Point(Top View)

