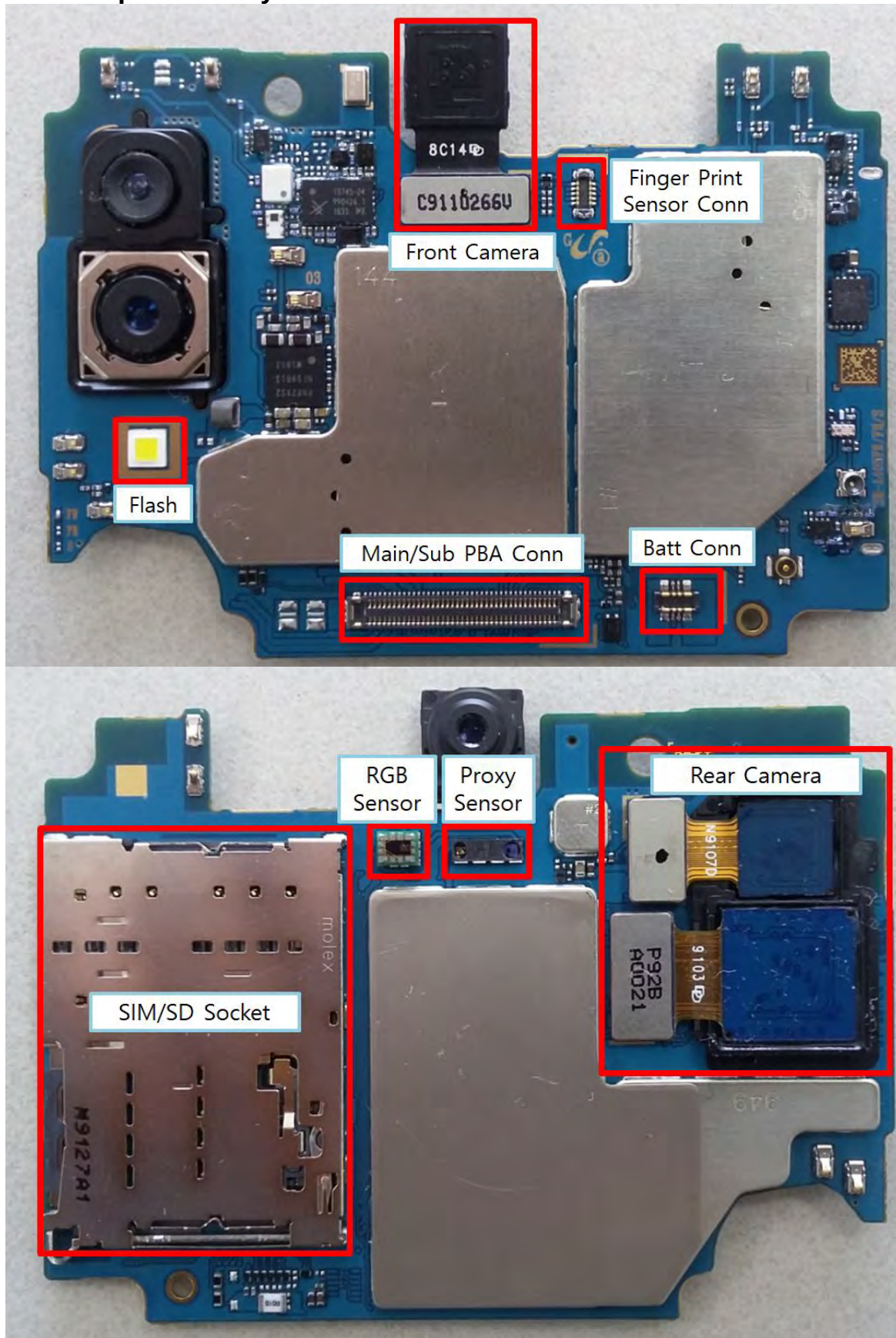


8. Level 3 Repair

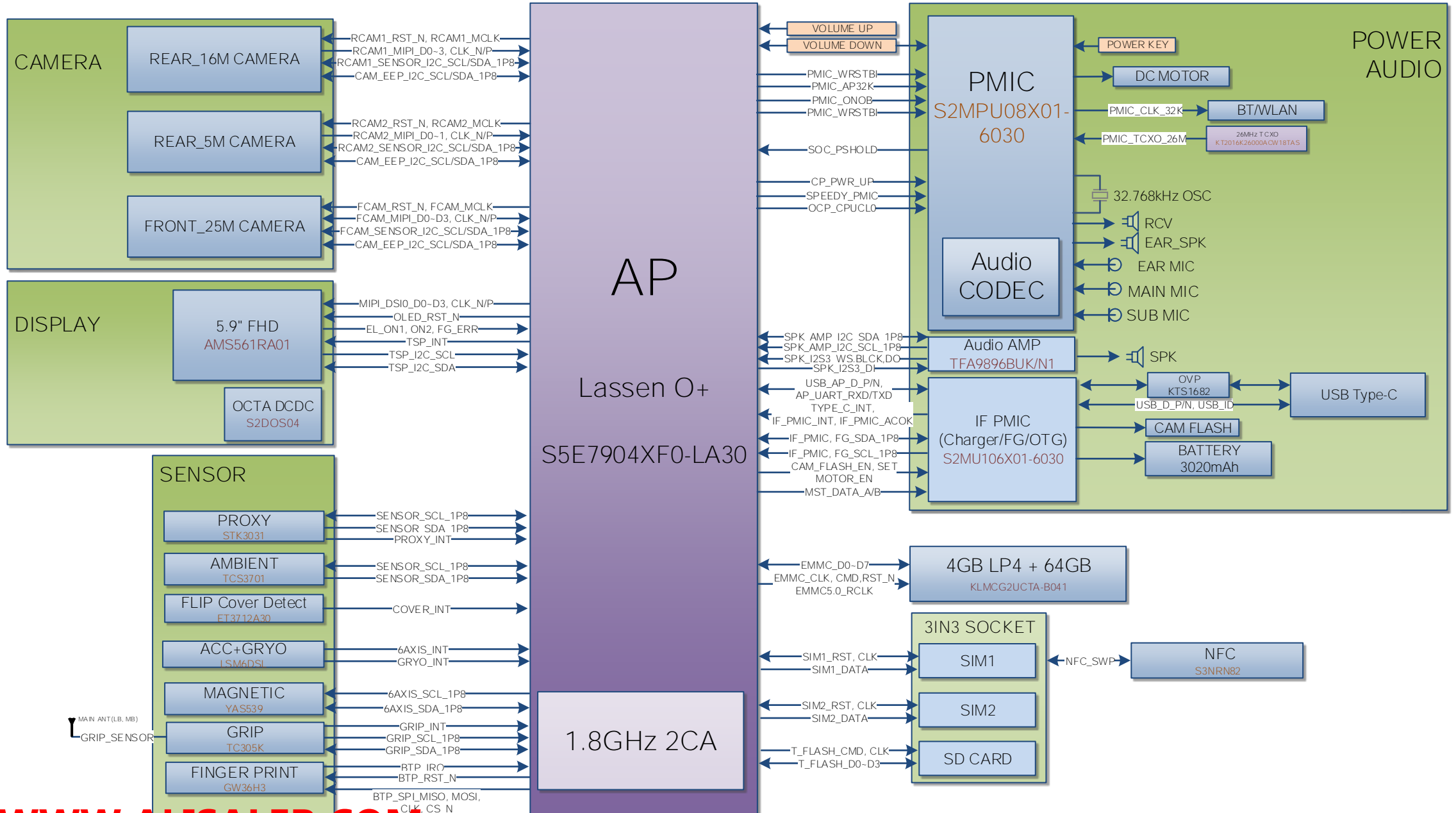
8-1. Components Layout



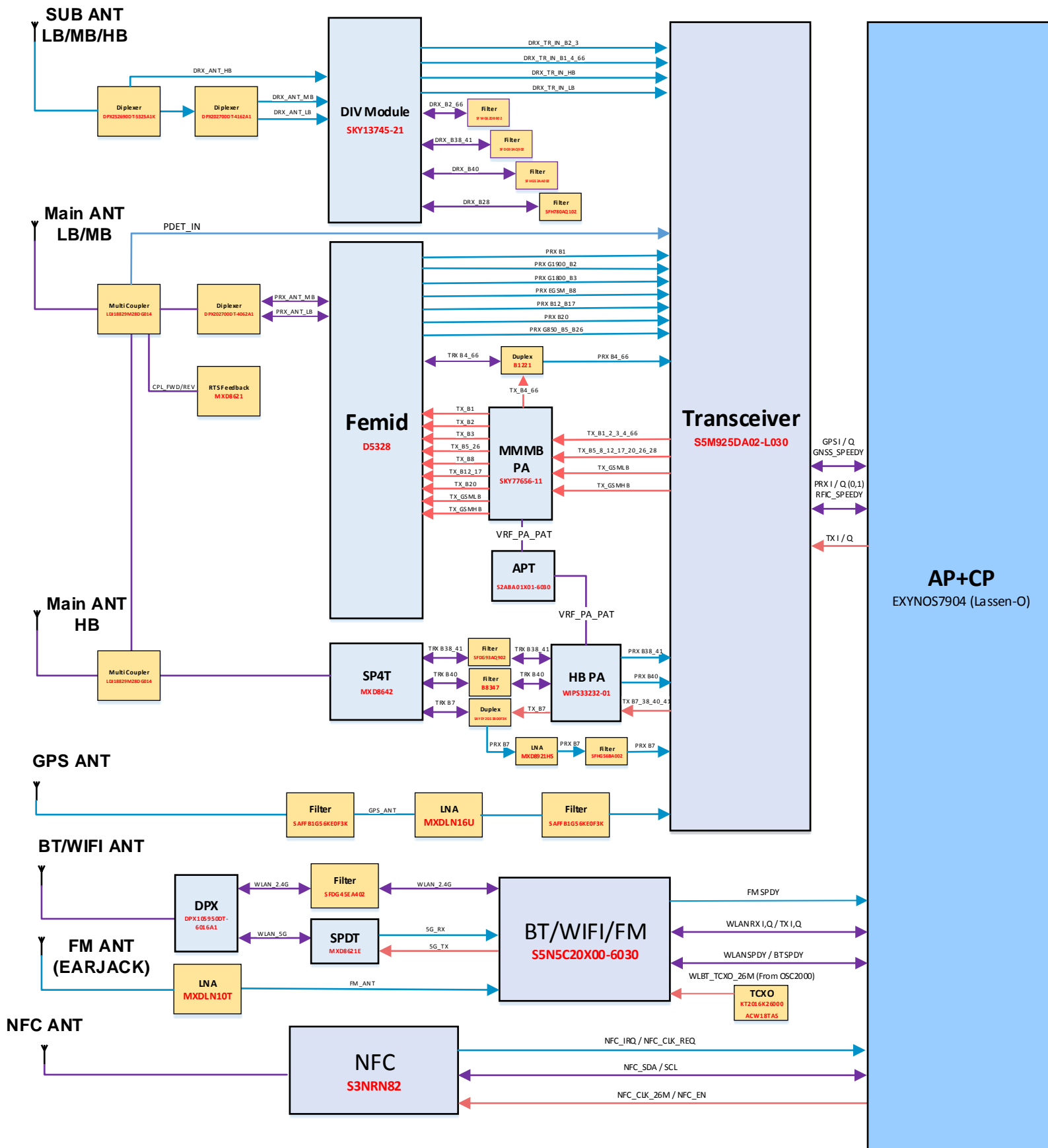
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SM-A405FN Block Diagram



SM-A405FN Block Diagram



WWW.AliFixit.COM

CON6000

CON6002

U300

U3002

SC6008

HDC7003

HDC7000

Side etching

UME5000

000905

UCP400

15010

SC6003

Side etching

WWW.ALISALER.COM

Side etching

Side etching

HDC7002

SC6001

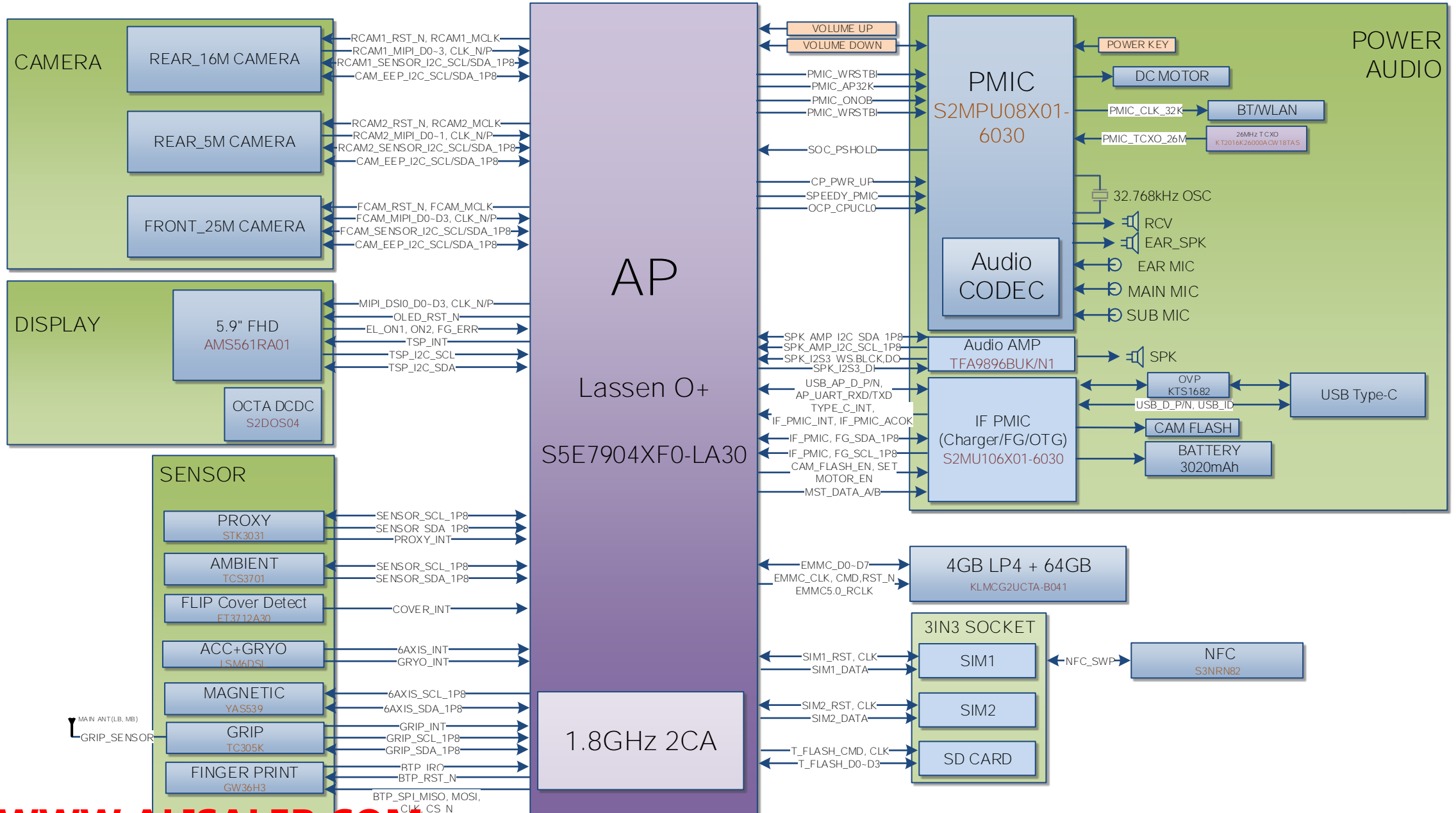
SOC7000

WWW.ALISALER.COM

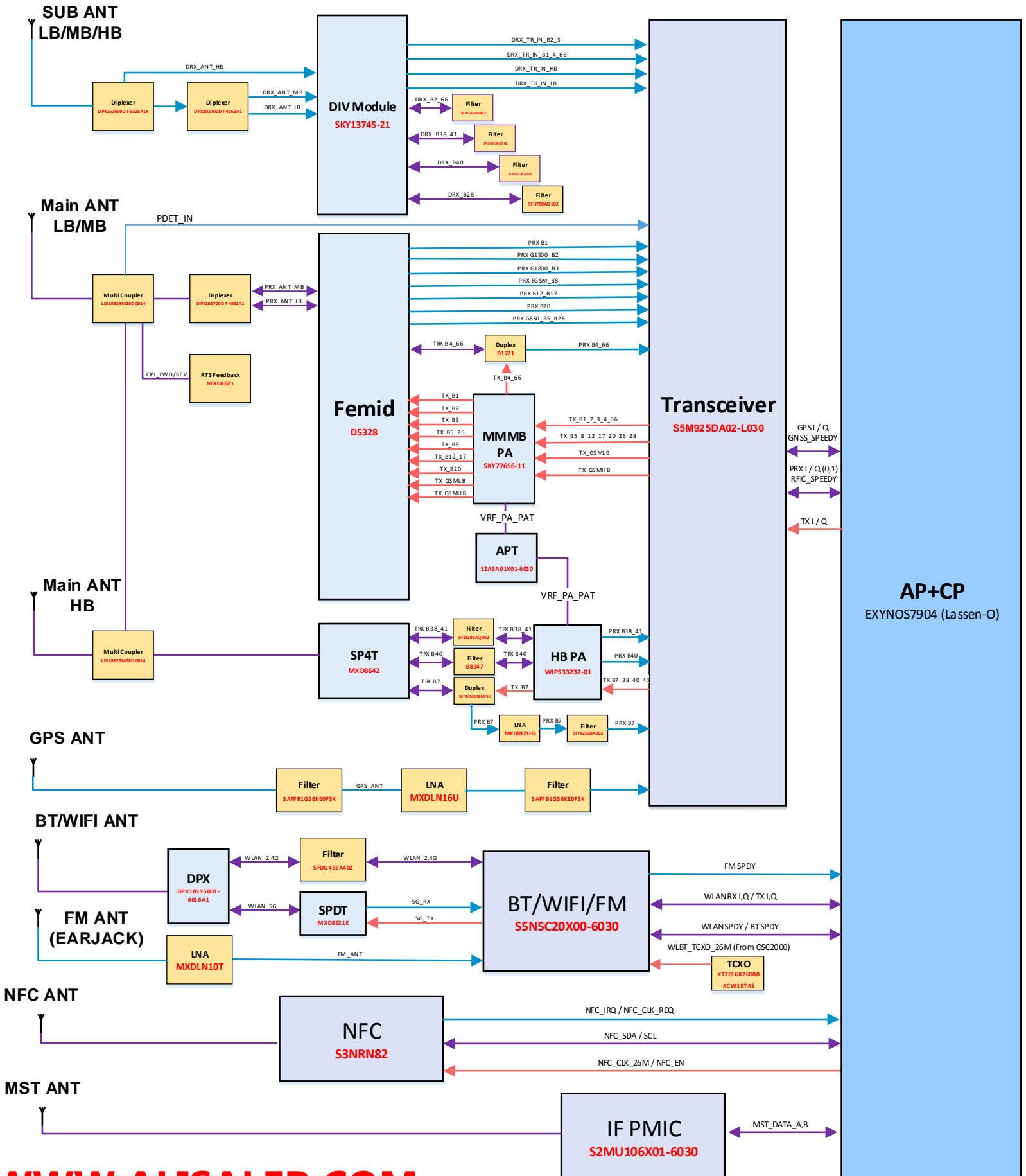
etching

BH6002

SM-A405FN Block Diagram



SM-A405FM Block Diagram



SM-A450FM

Side etching

CON6000

Side etching

CON6002

SC6000

UME5000

UCP400

SC6008

HDC7000

HDC7003

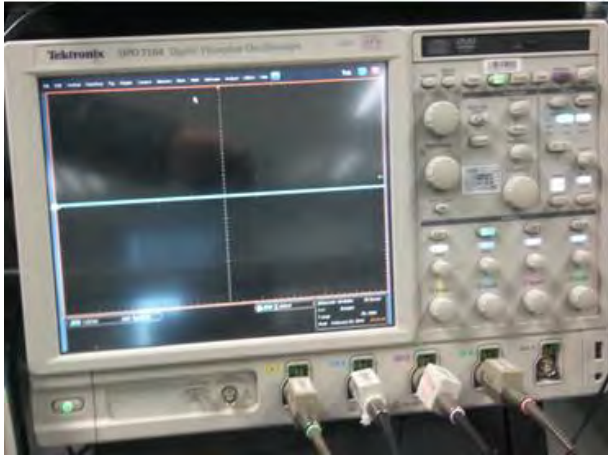
SC6003

Side etching



8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



Oscilloscope



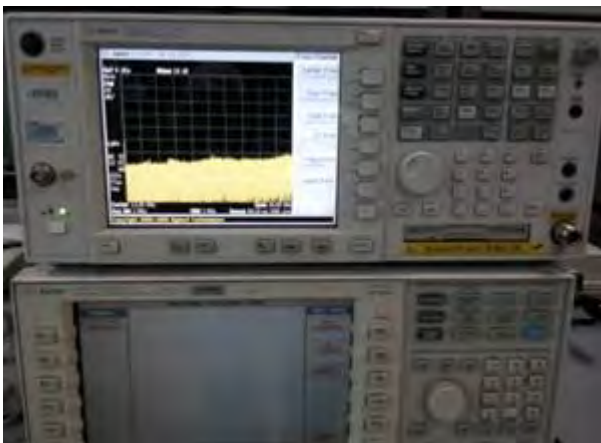
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



8960 & Spectrum Analyzer



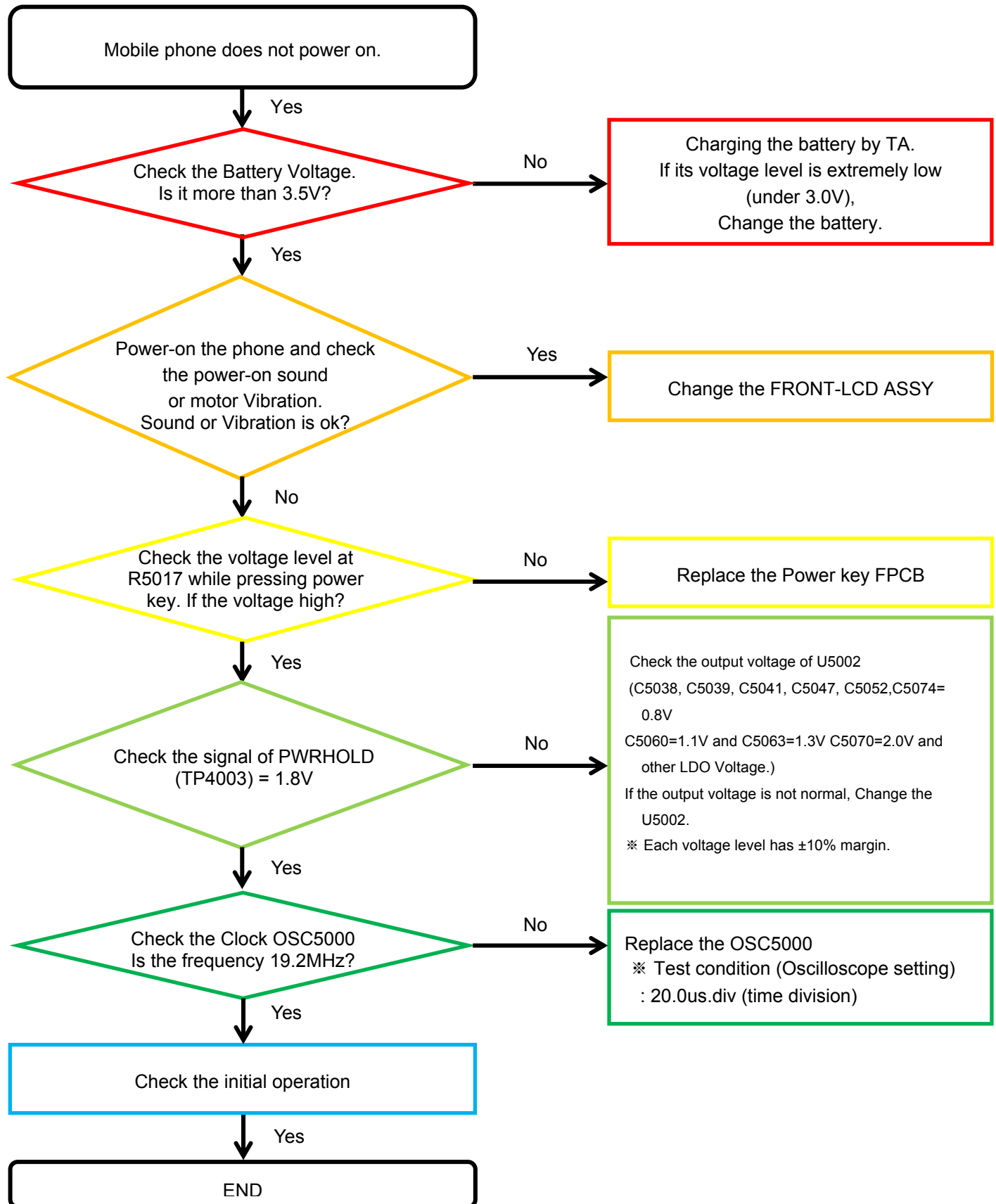
Soldering iron

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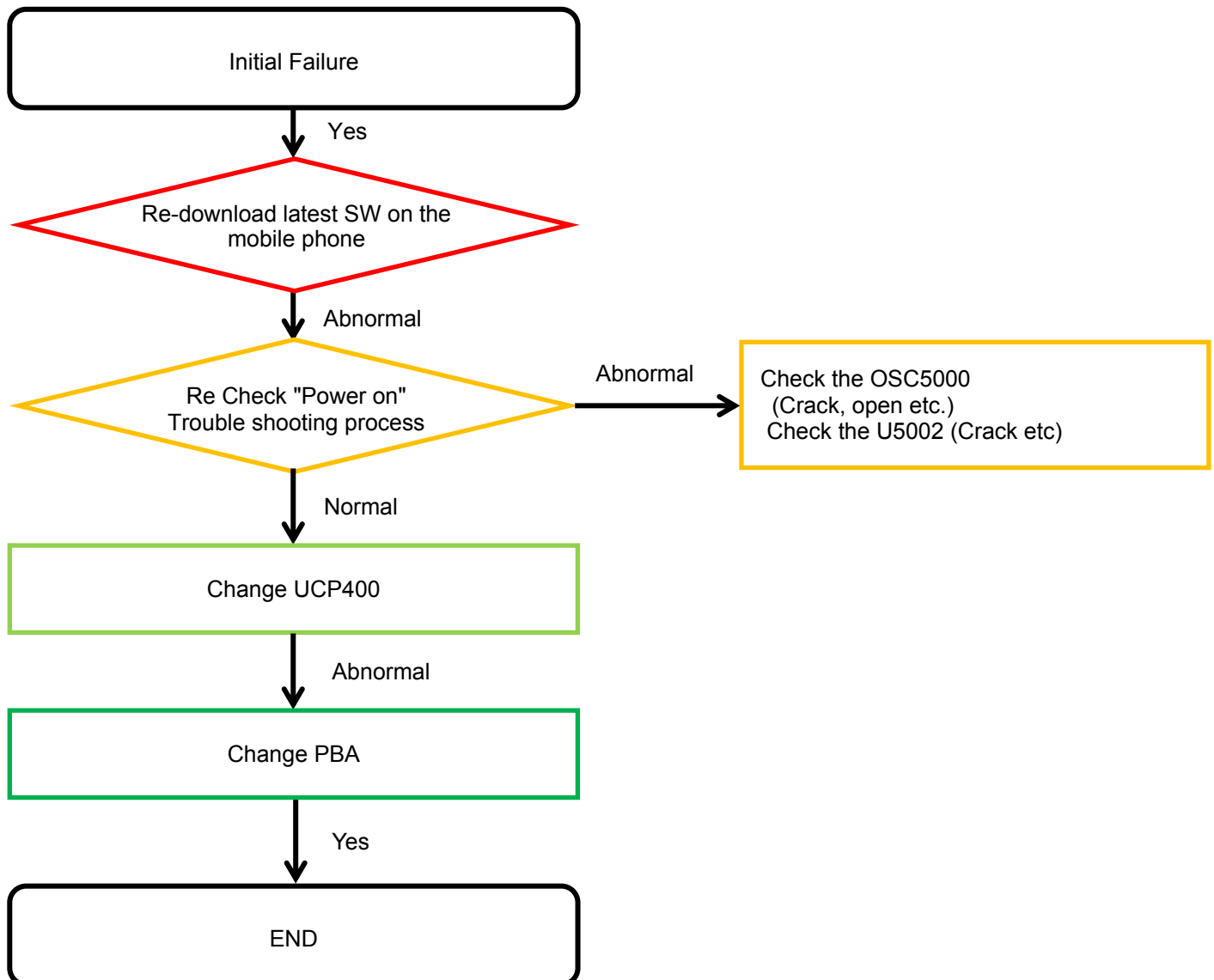
8. Level 3 Repair

8-4-1. Power On



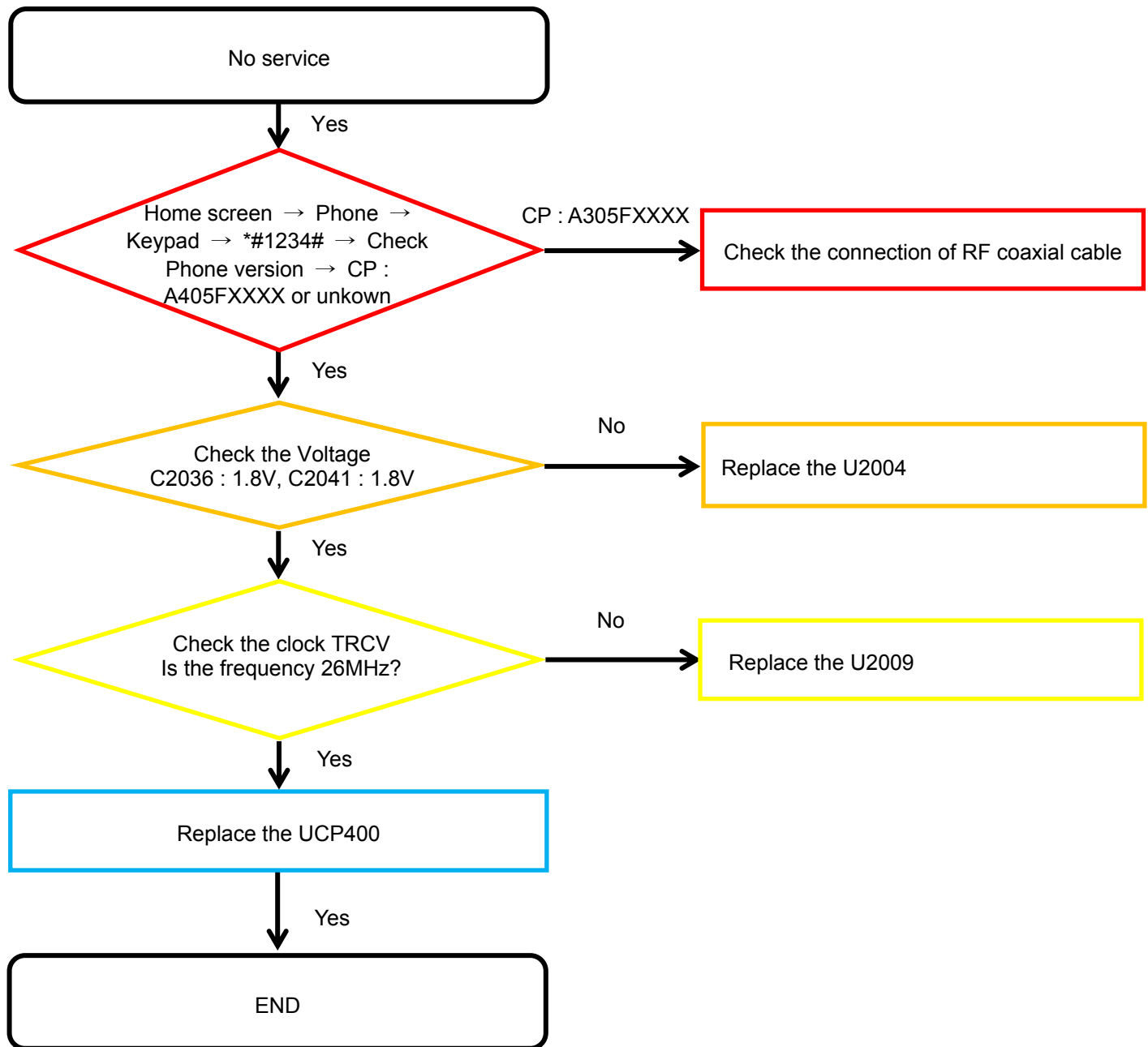
8. Level 3 Repair

8-4-2. Initial



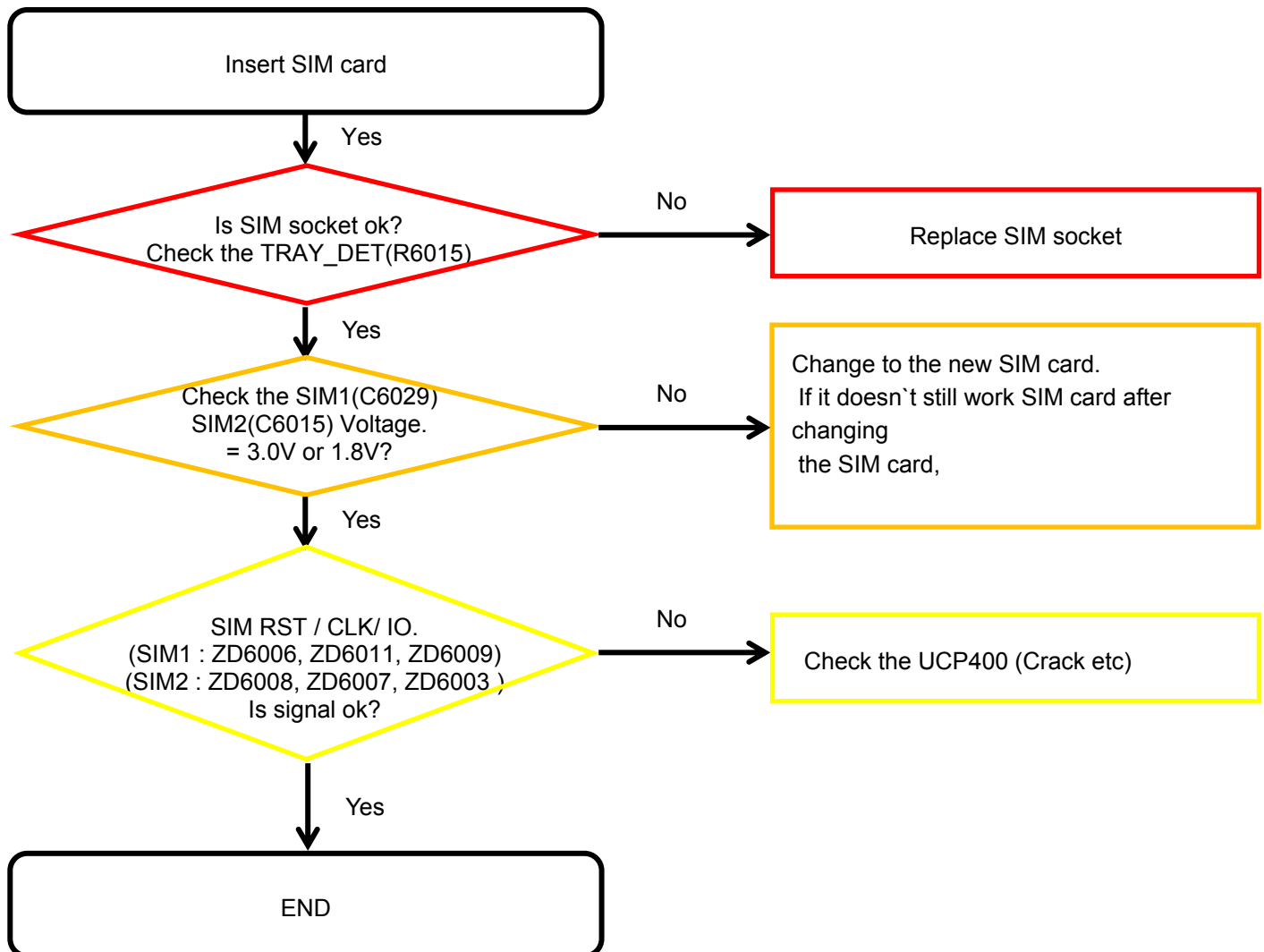
8. Level 3 Repair

8-4-3. No Service



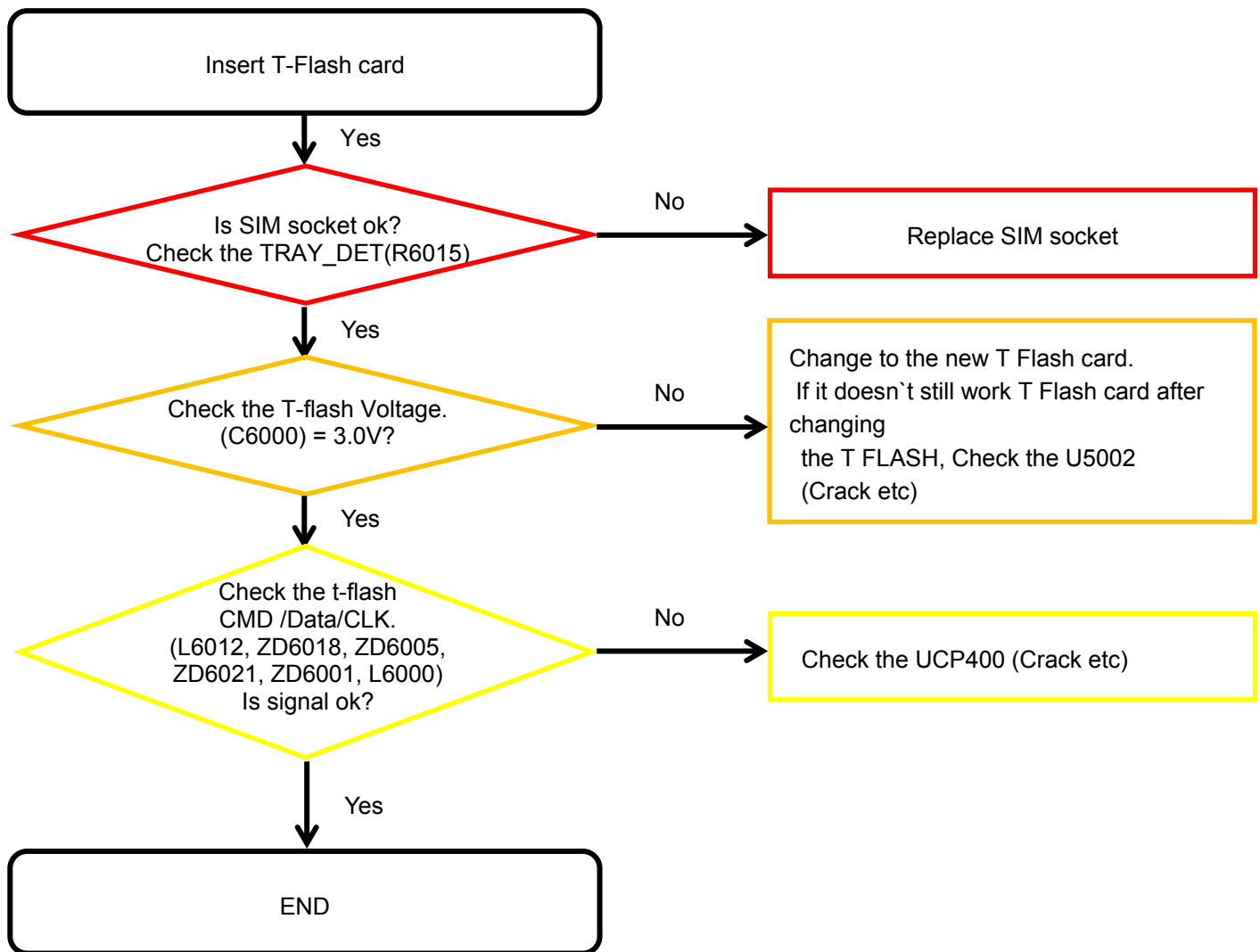
8. Level 3 Repair

8-4-4. SIM Part



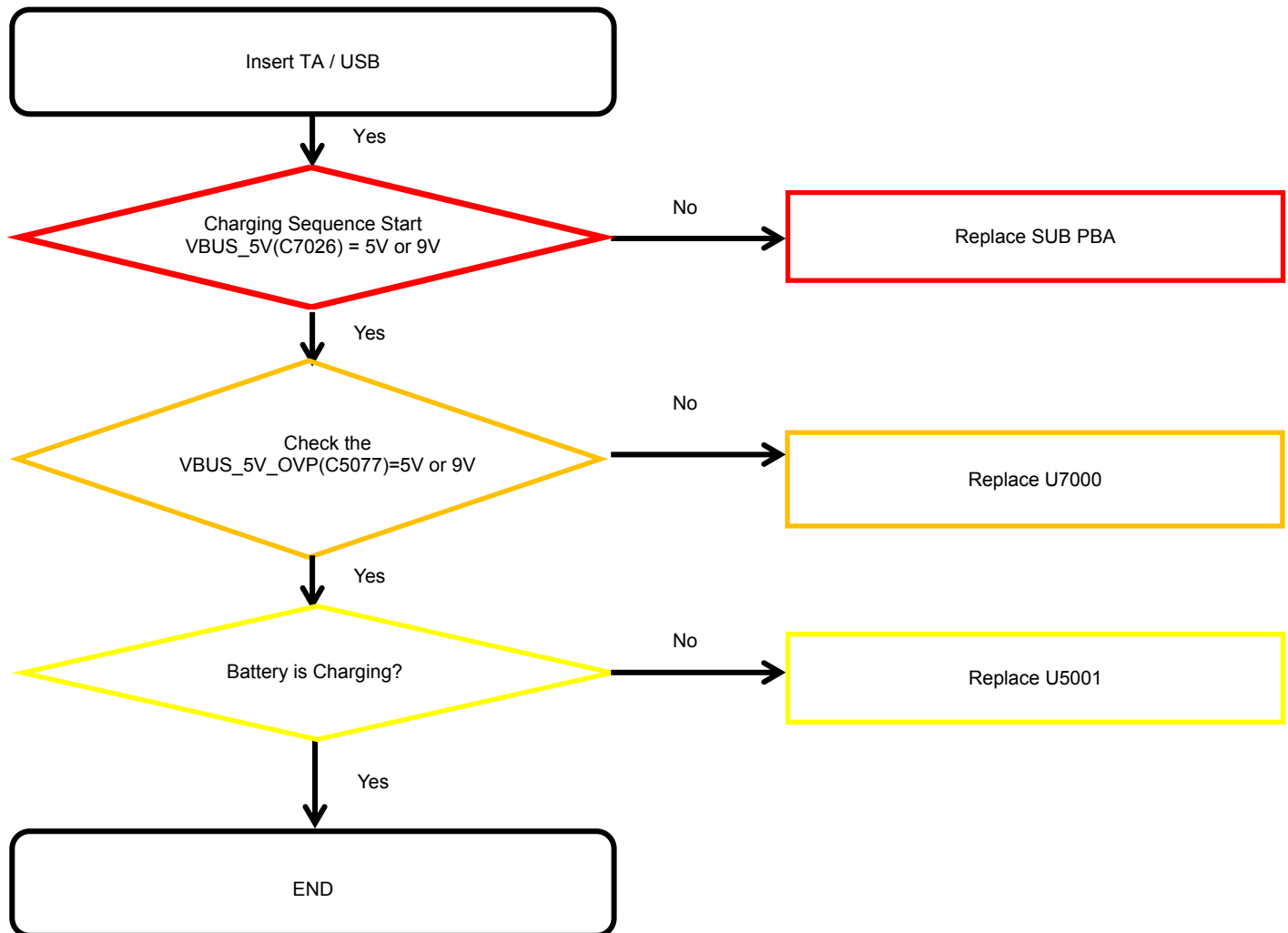
8. Level 3 Repair

8-4-5. T-Flash Part



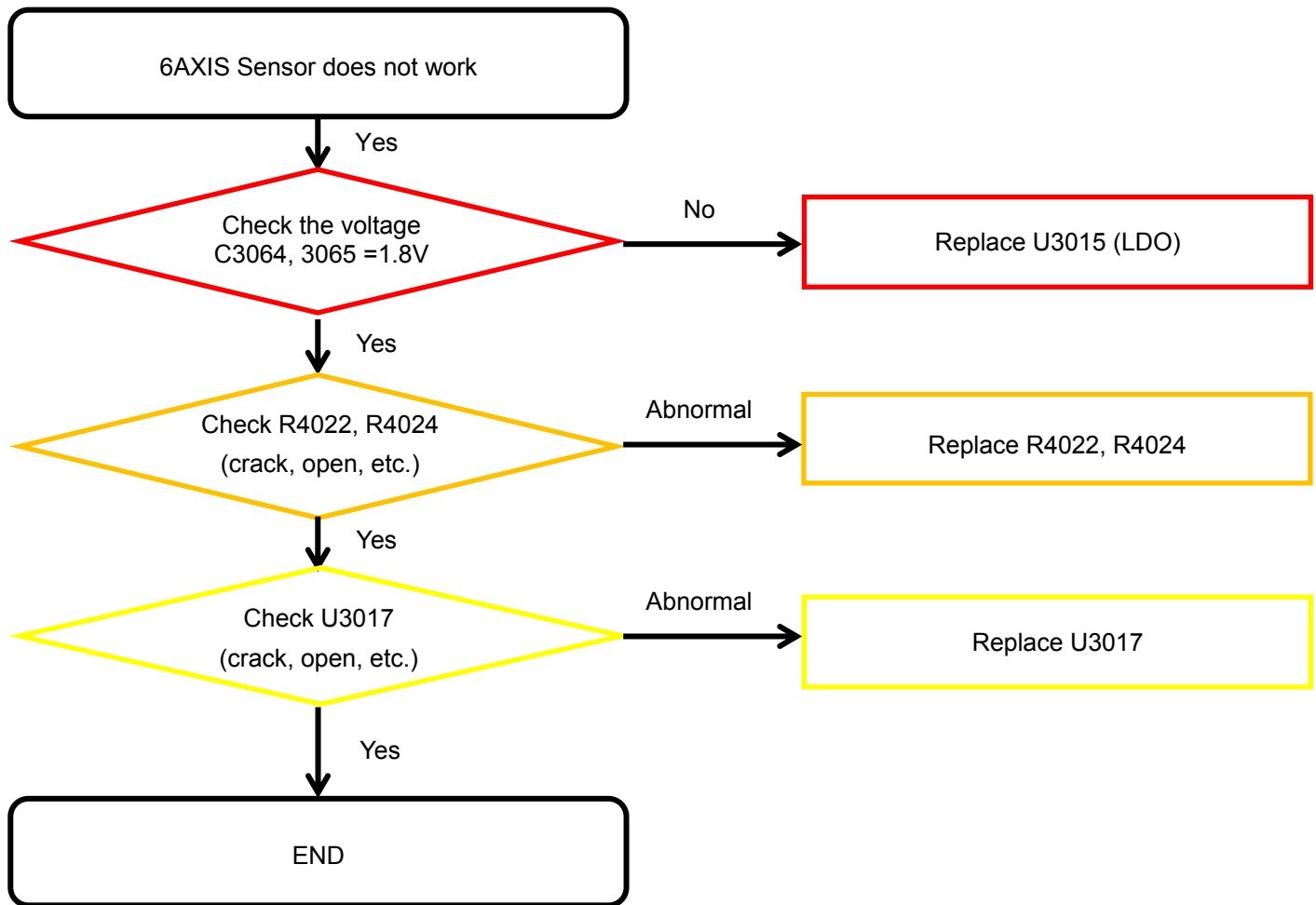
8. Level 3 Repair

8-4-6. Cable Charging Part



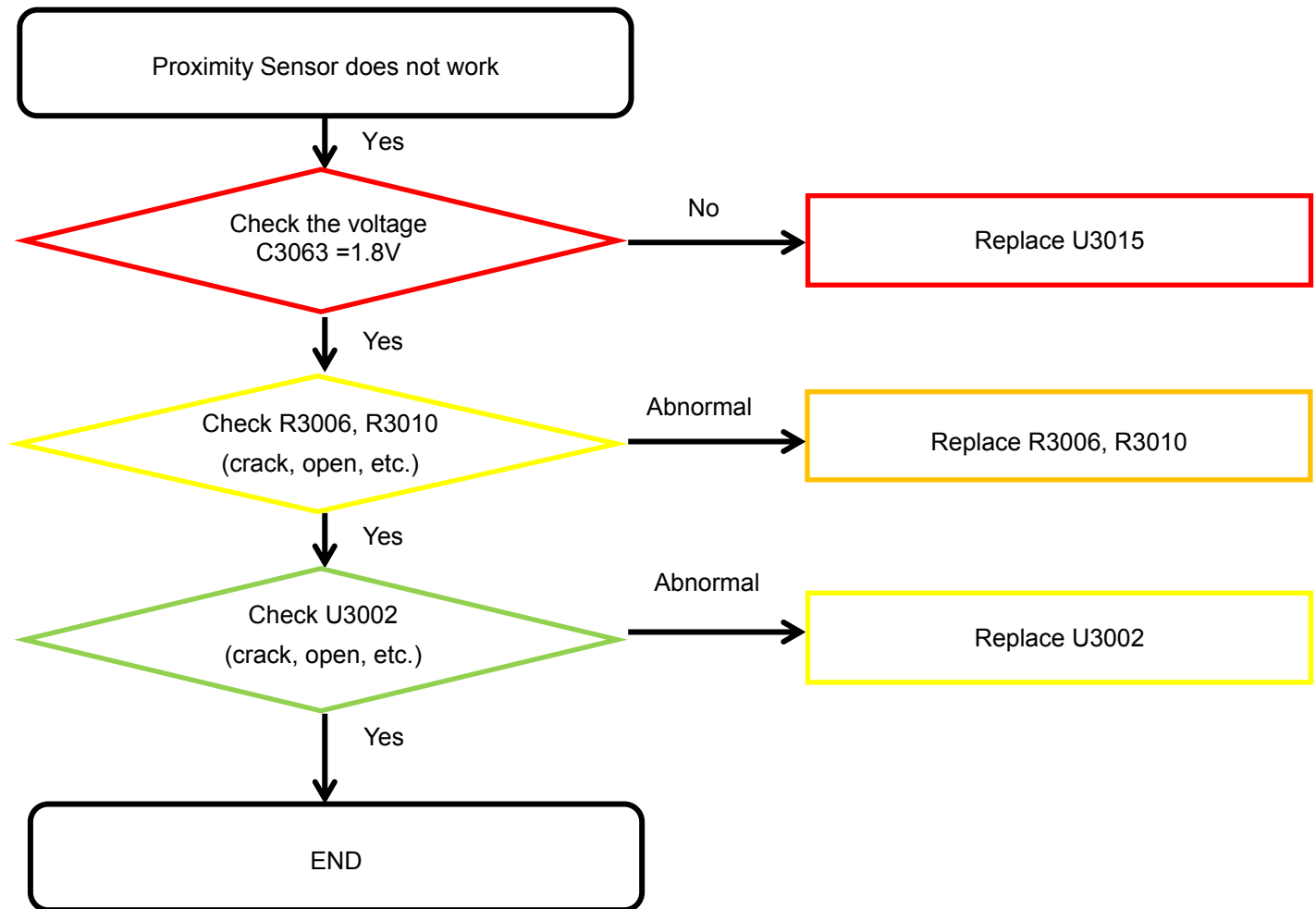
8. Level 3 Repair

8-4-7-1. 6AXIS (Accelerator+Gyro) Sensor



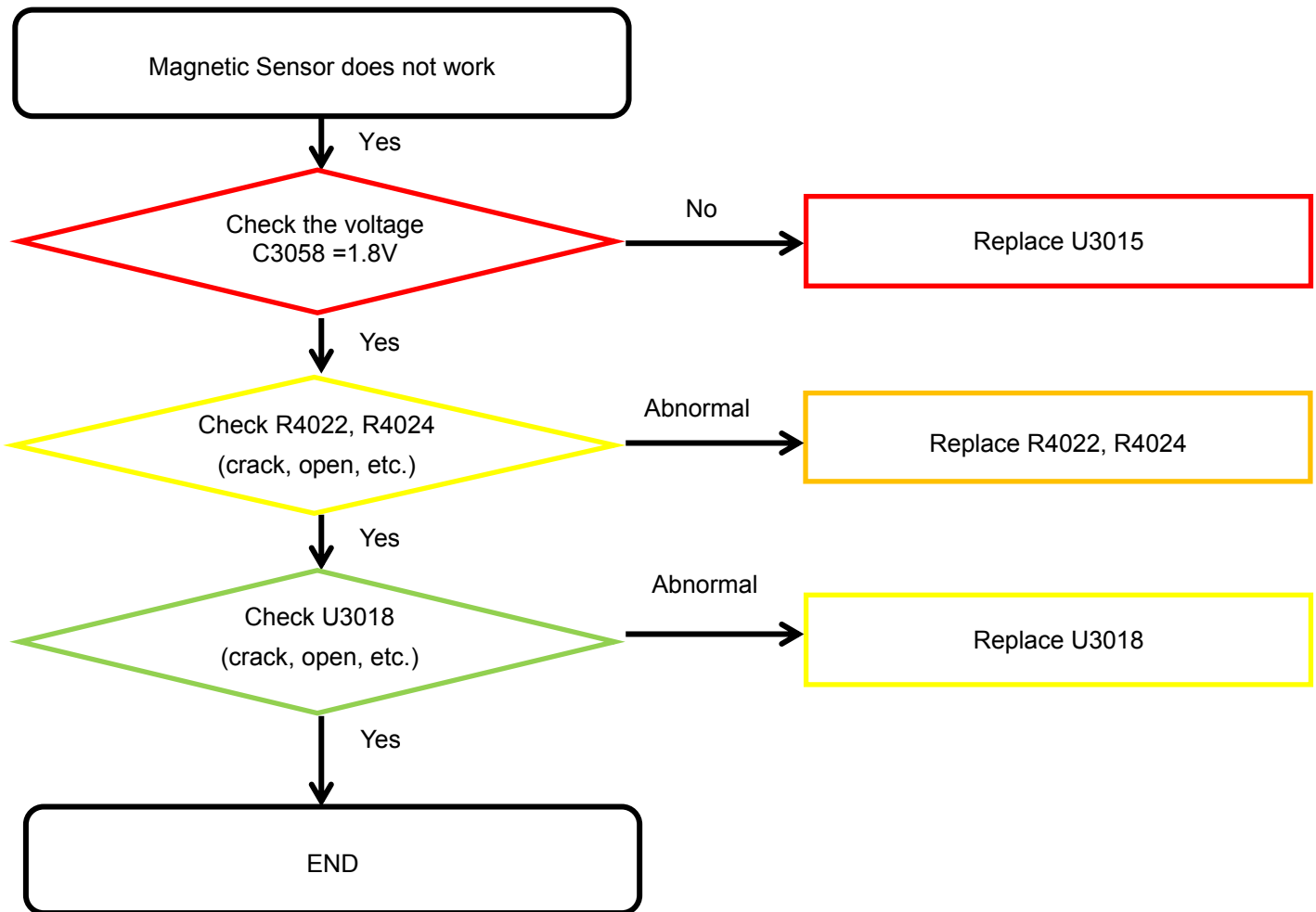
8. Level 3 Repair

8-4-7-2. Proximity sensor



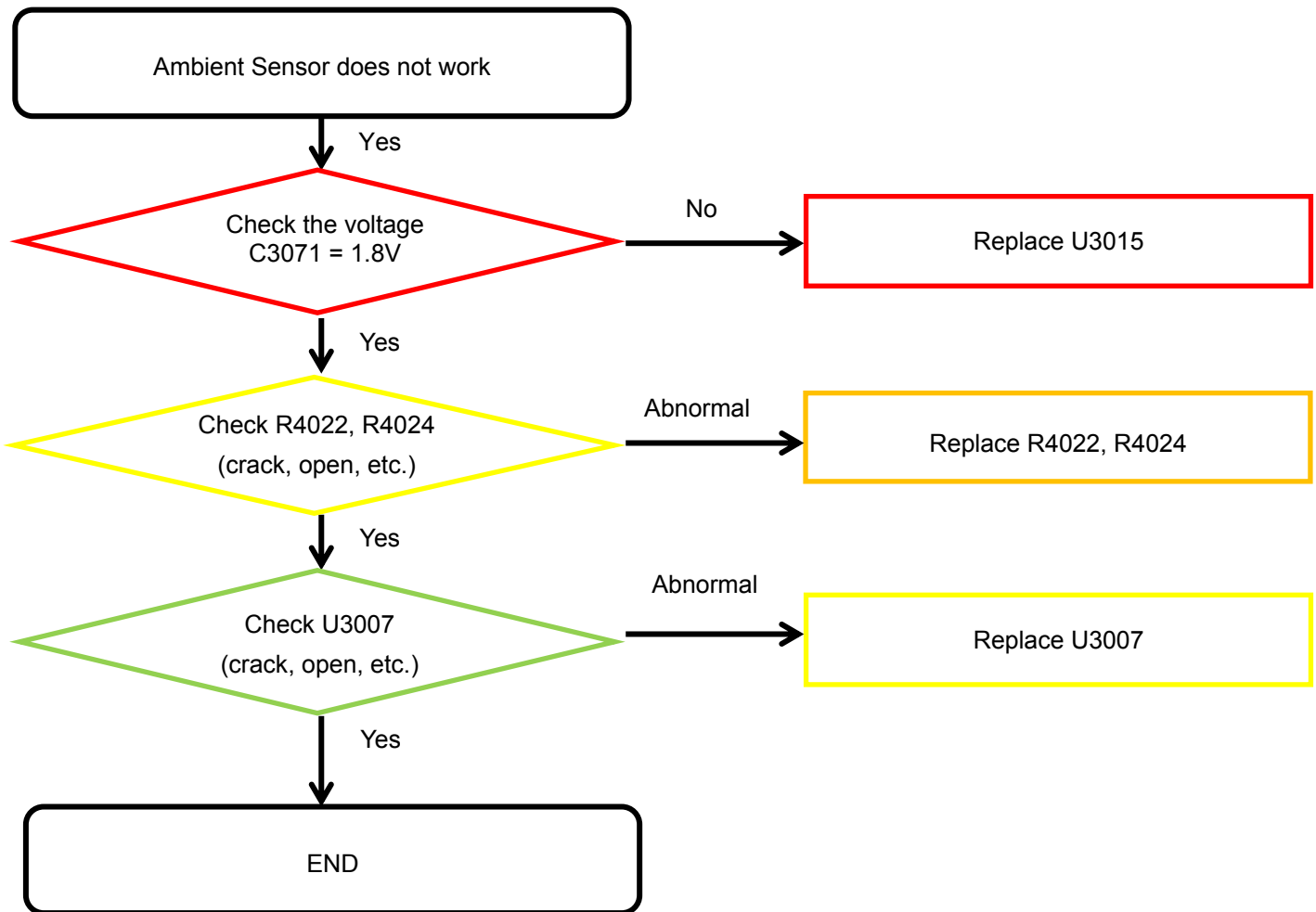
8. Level 3 Repair

8-4-7-3. Magnetic sensor



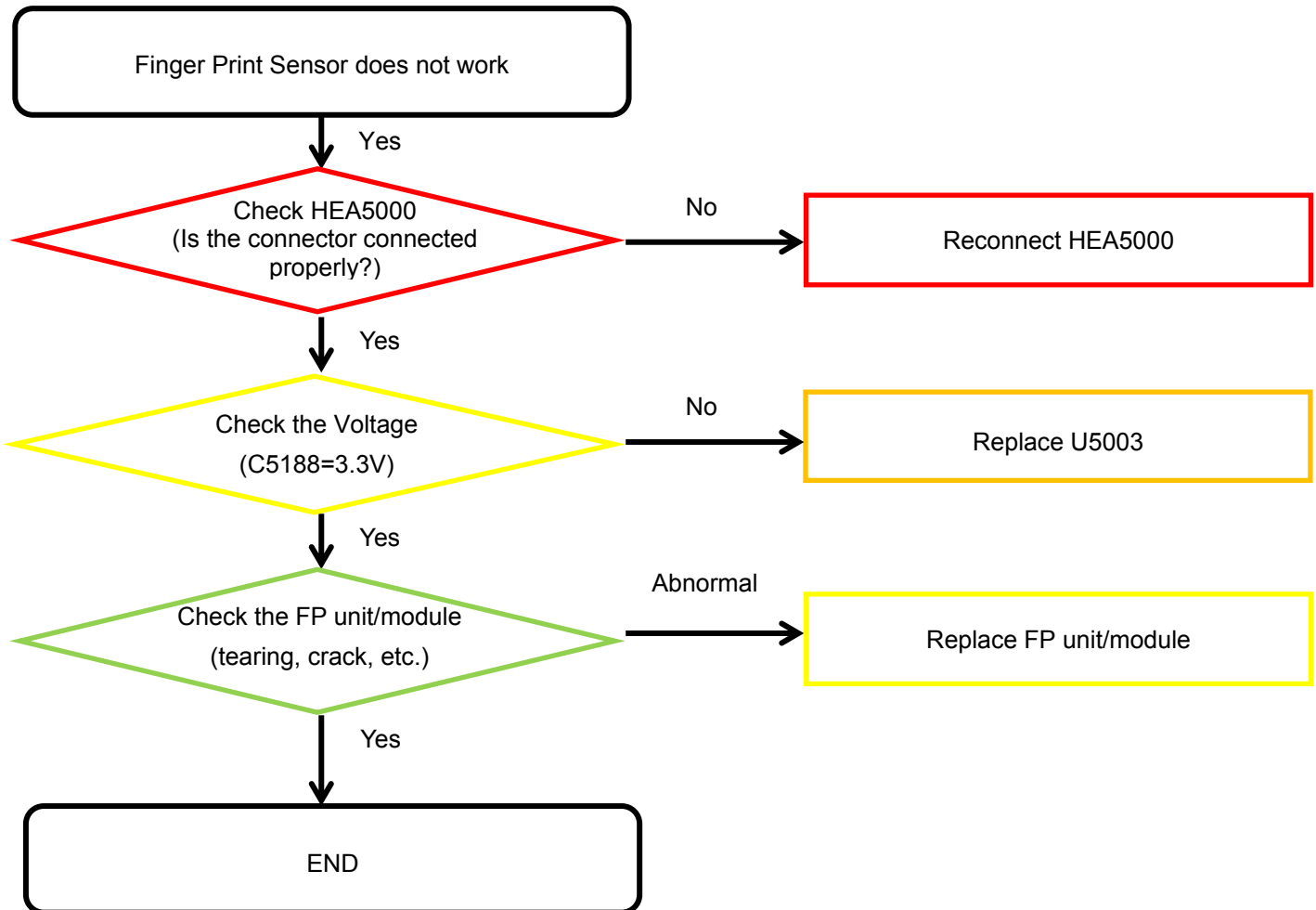
8. Level 3 Repair

8-4-7-4. Ambient sensor(RGB sensor)



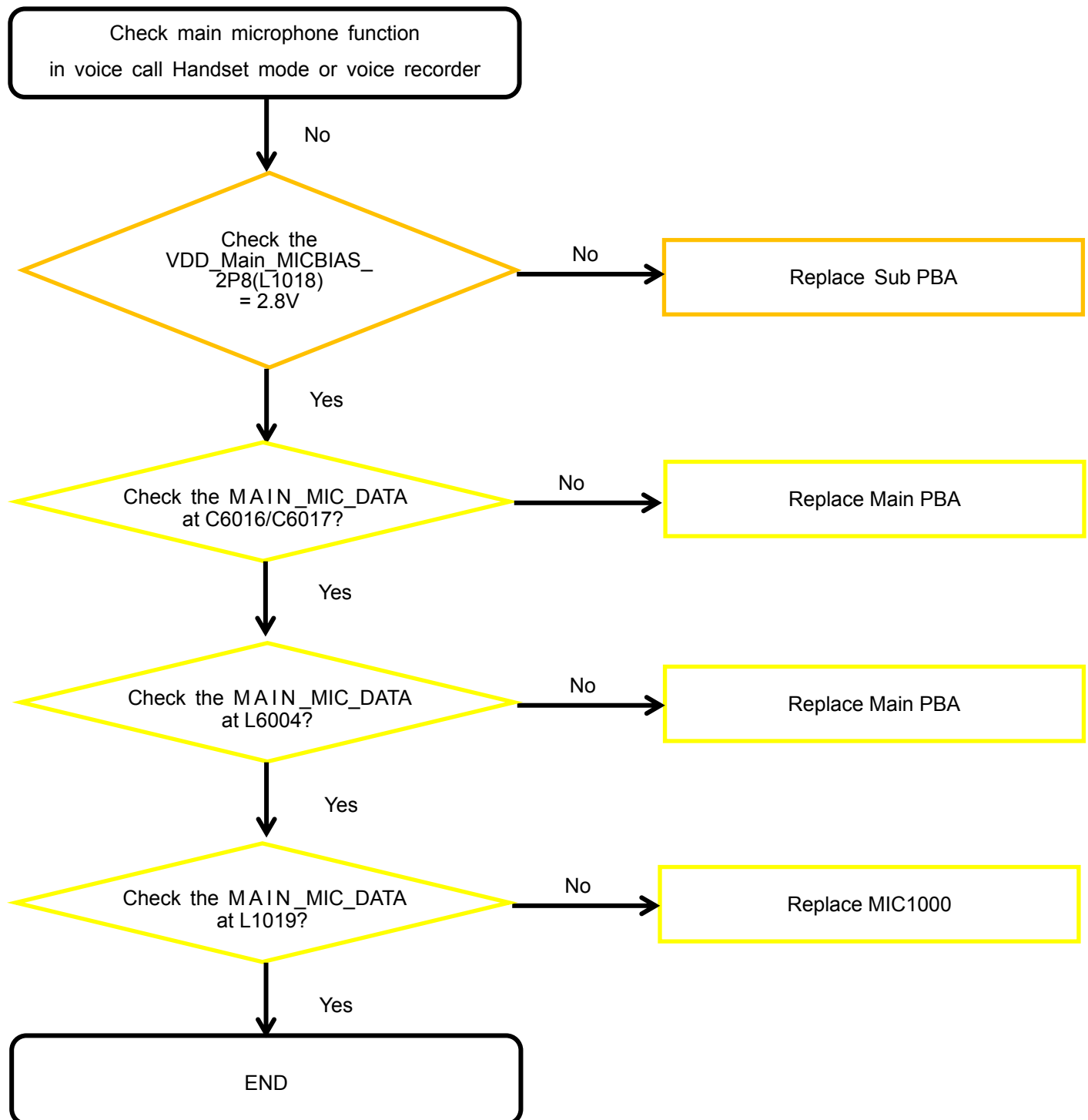
8. Level 3 Repair

8-4-7-5. Finger Print sensor



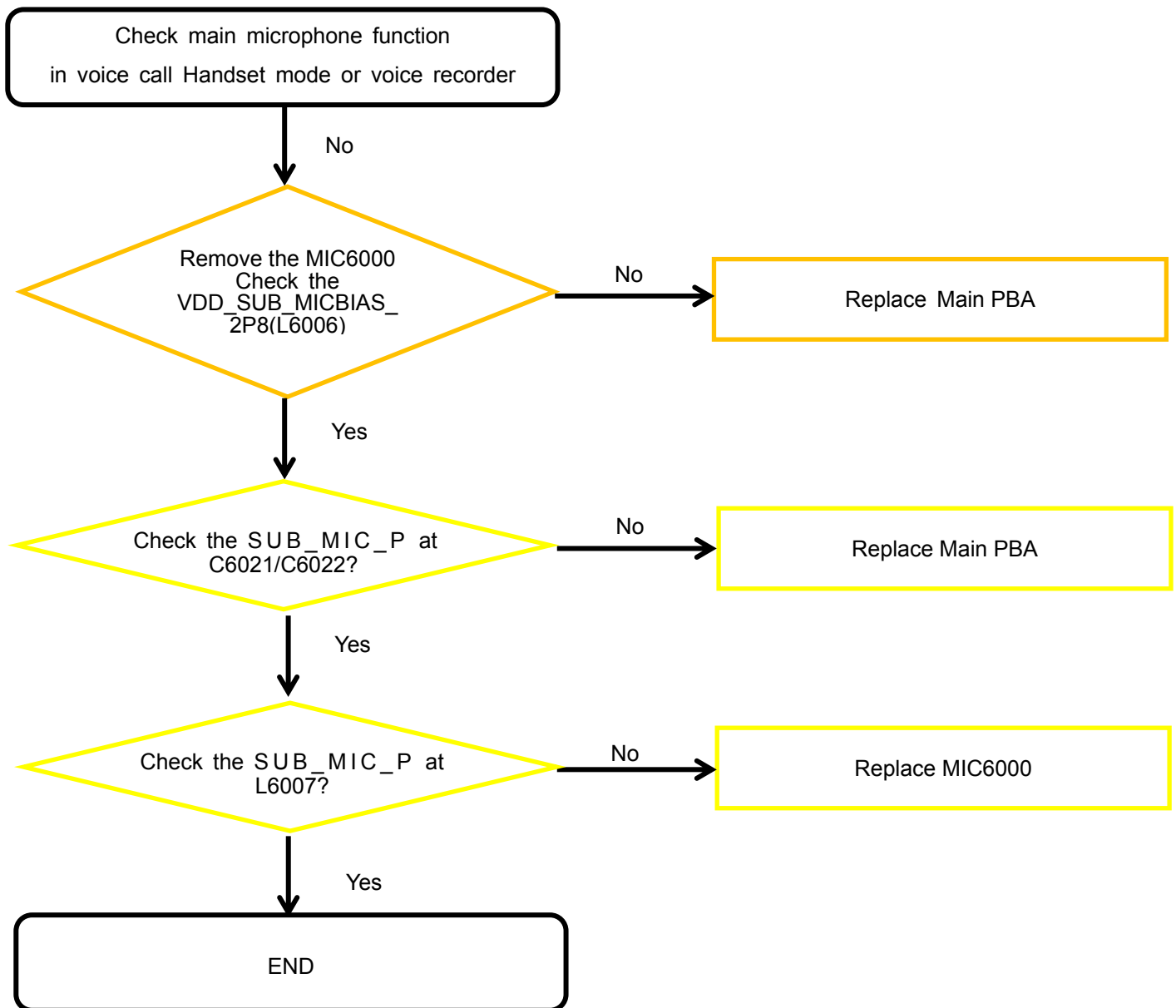
8. Level 3 Repair

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



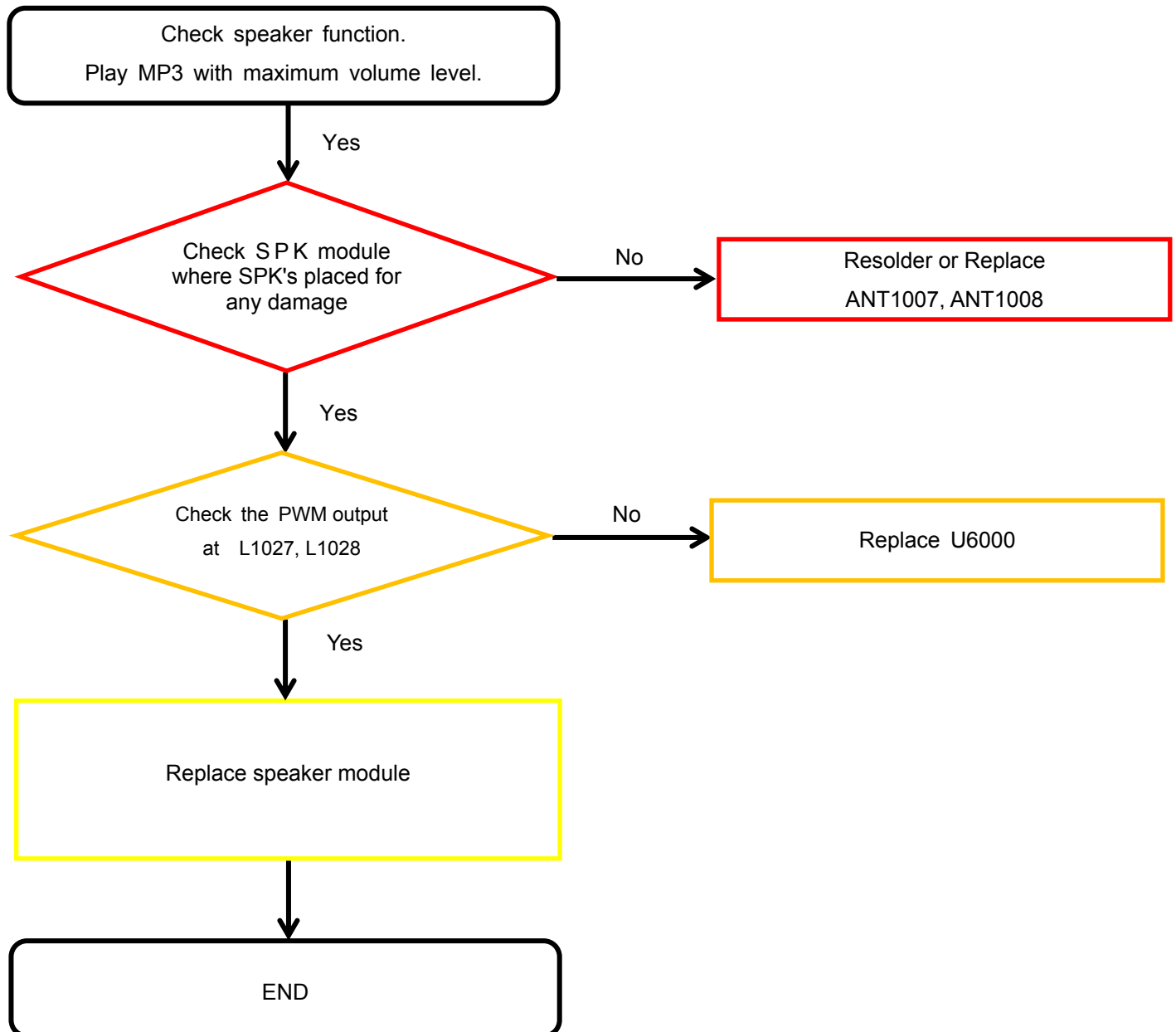
8. Level 3 Repair

8-4-8-2. Microphone Part - Sub MIC



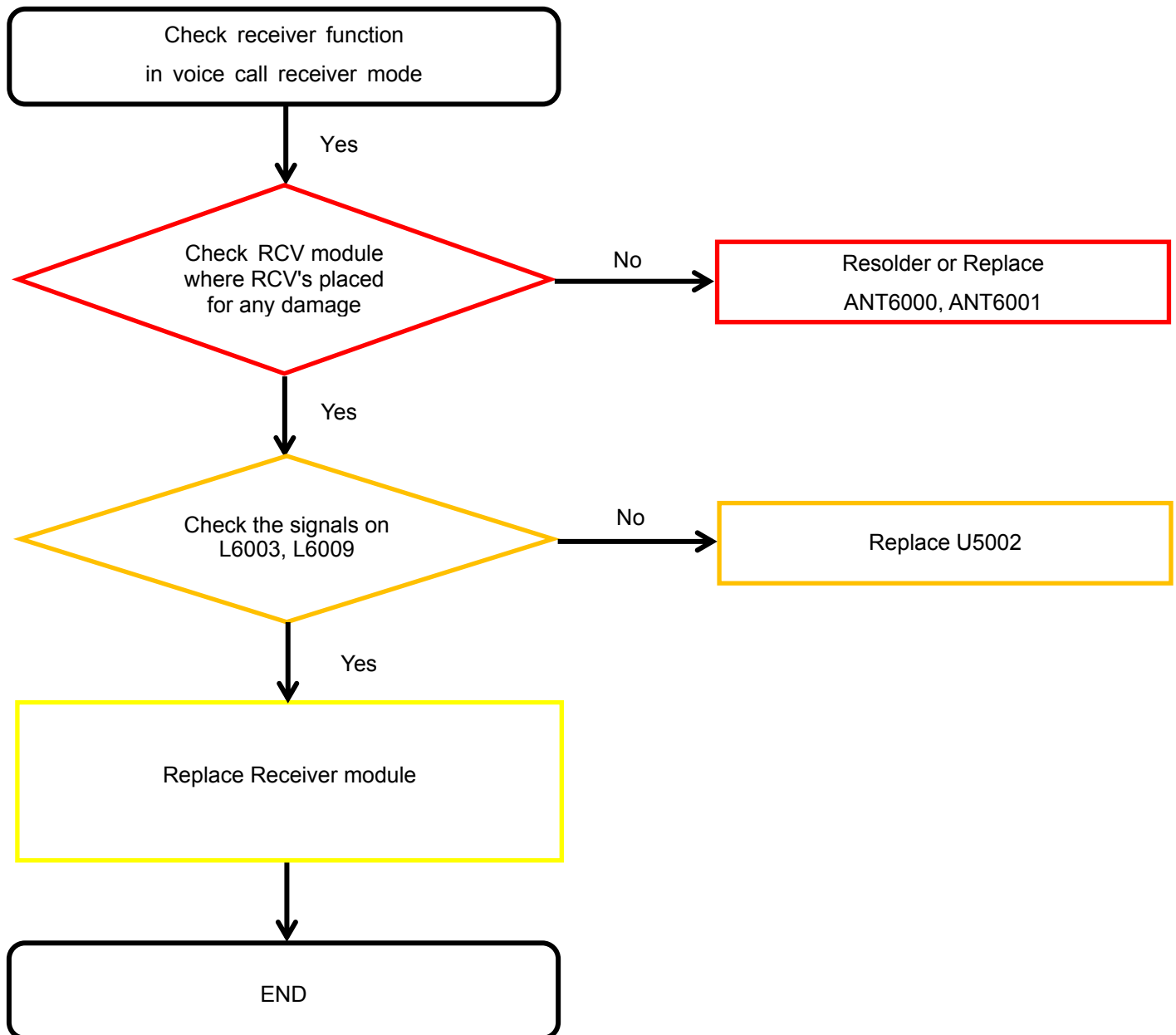
8. Level 3 Repair

8-4-9. Speaker Part



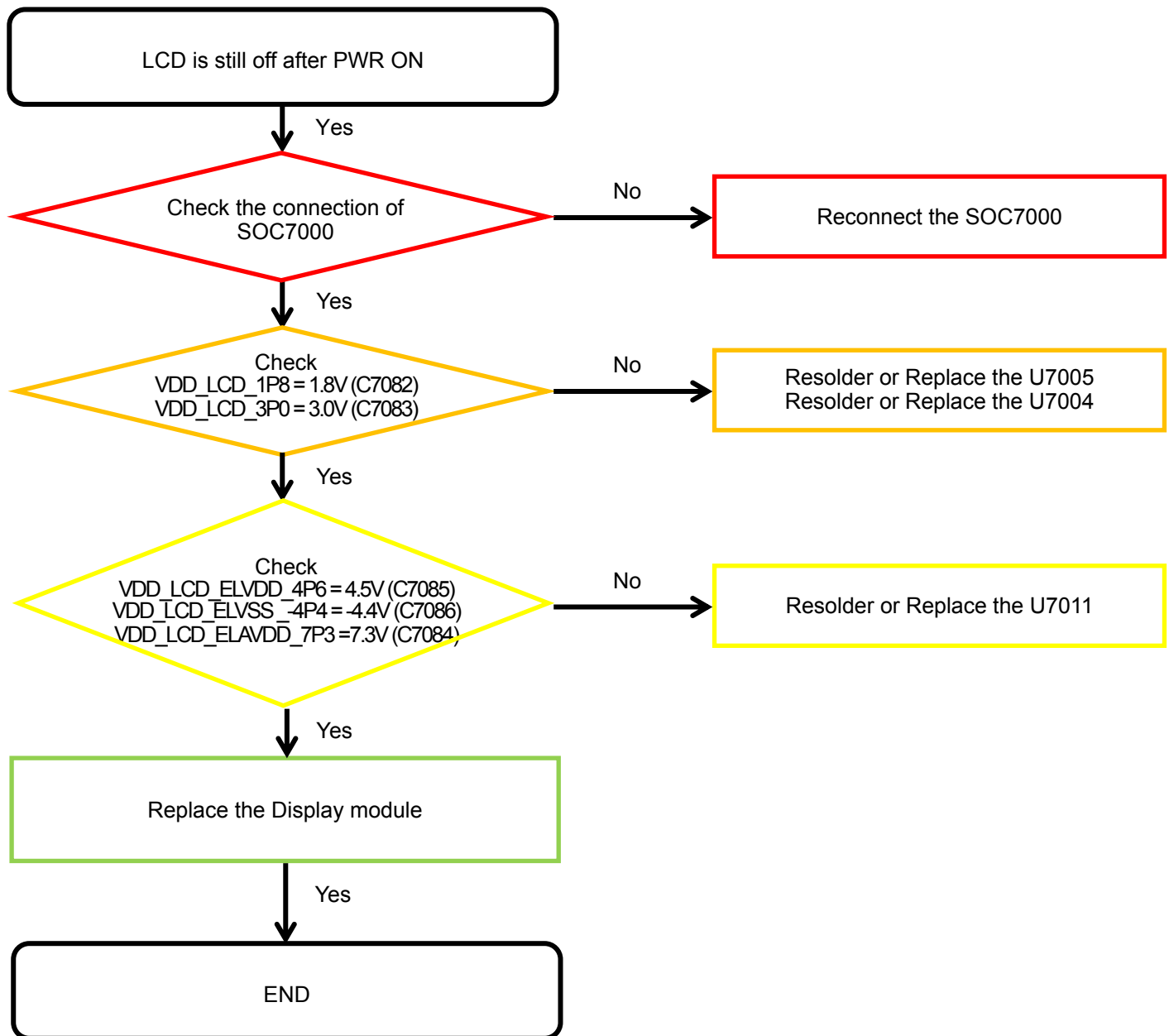
8. Level 3 Repair

8-4-10. Receiver Part



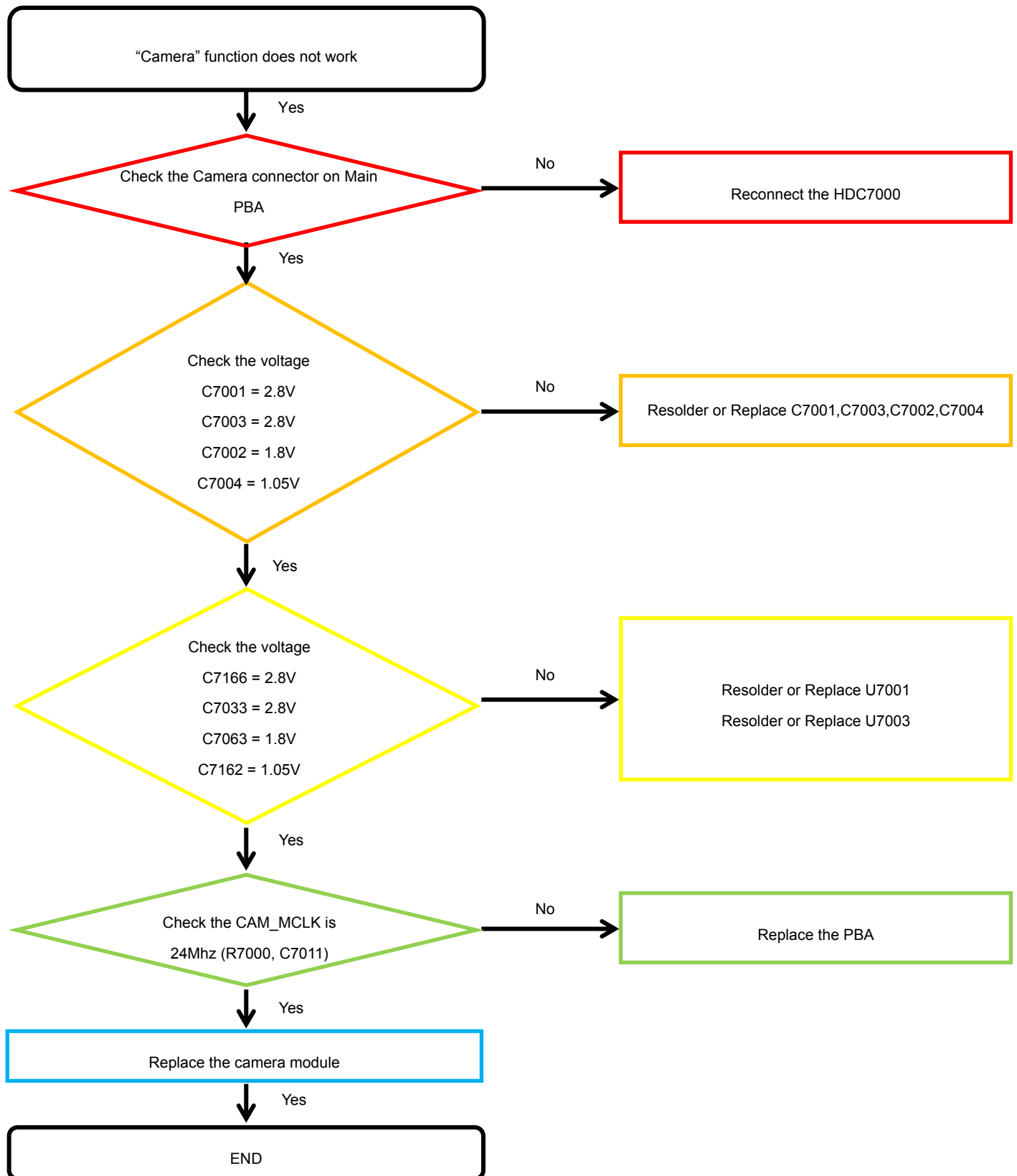
8. Level 3 Repair

8-4-11. Display



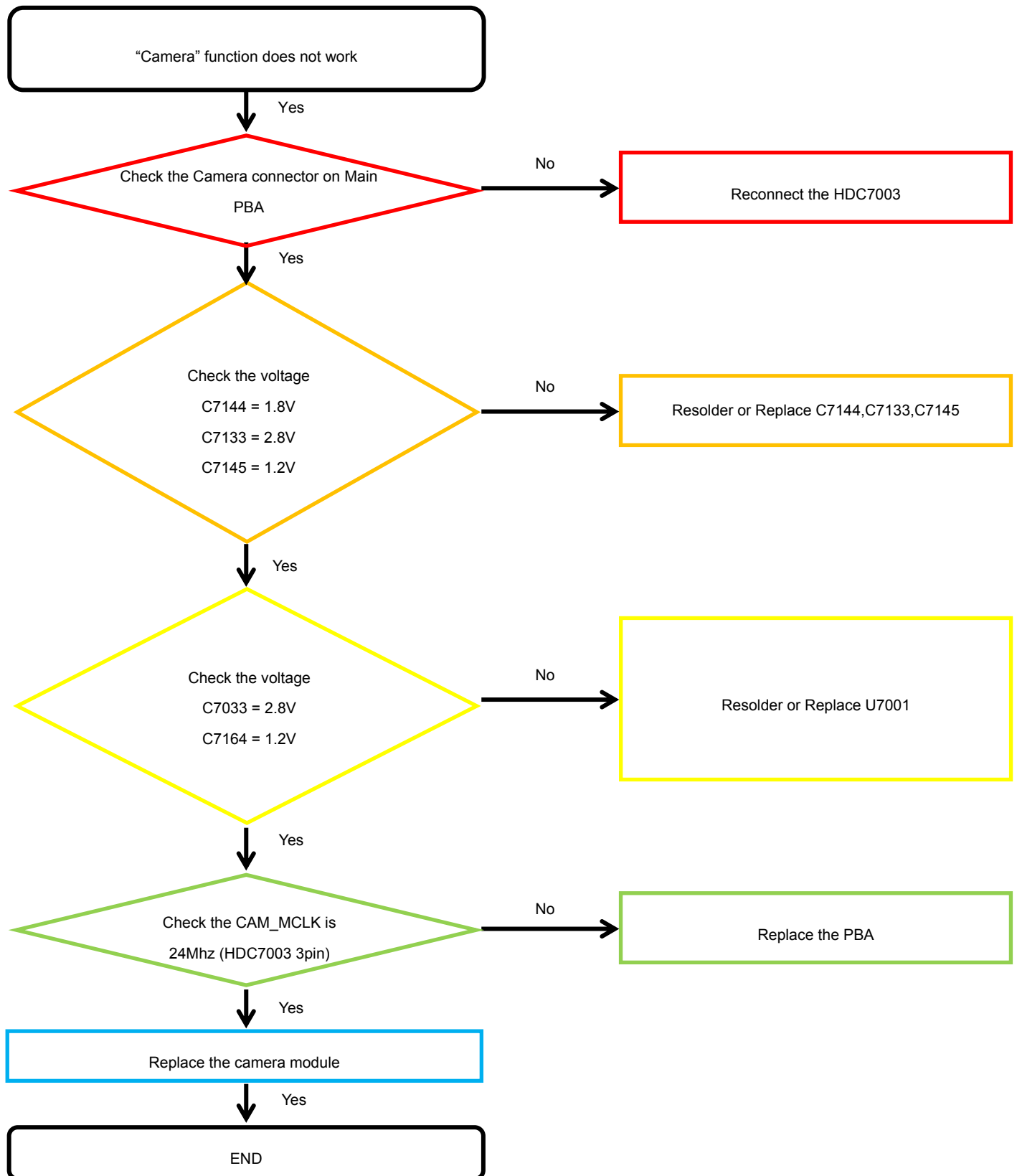
8. Level 3 Repair

8-4-12-1. 16M AF Rear CAMERA



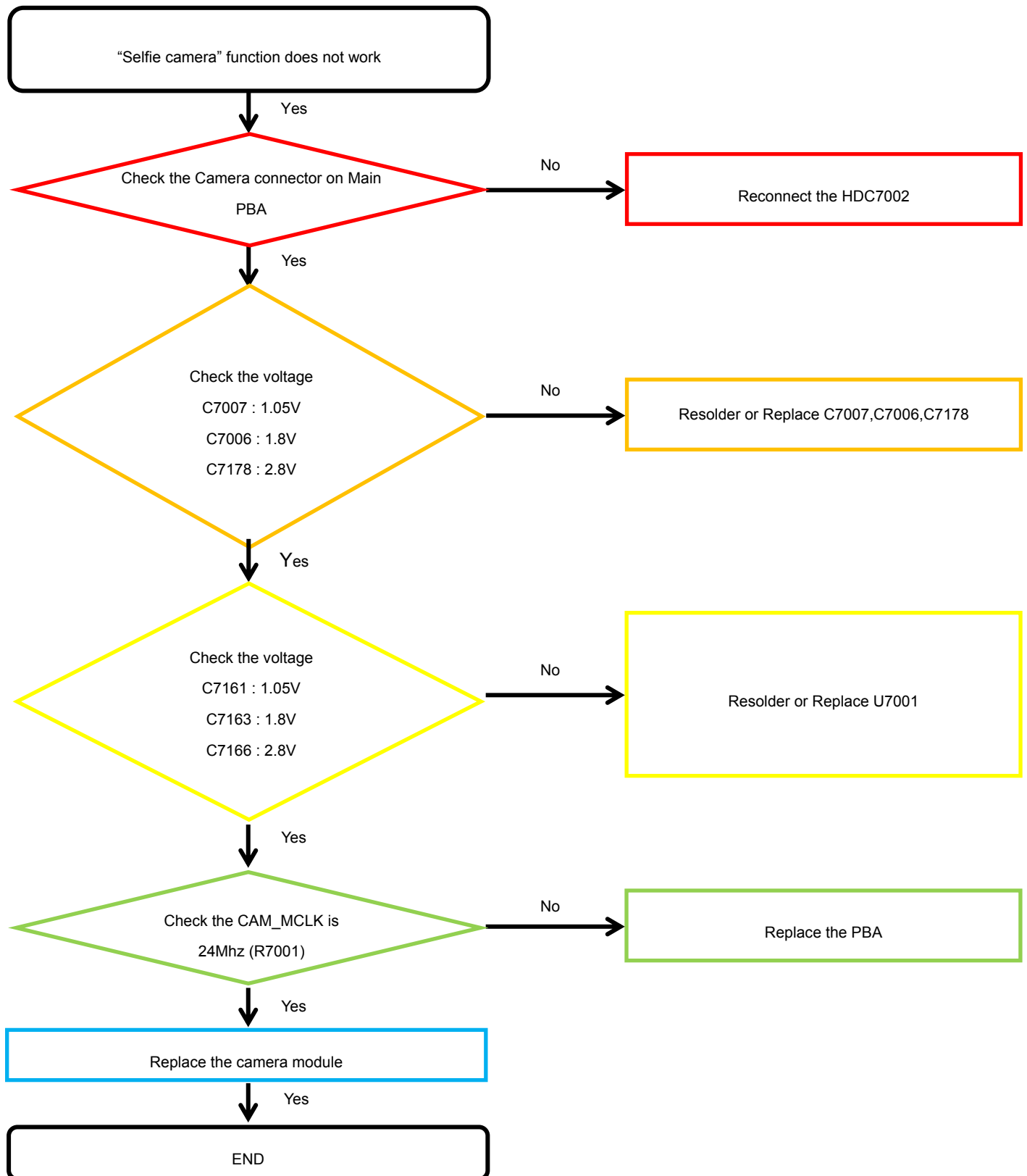
8. Level 3 Repair

8-4-12-2. 5M FF Rear CAMERA



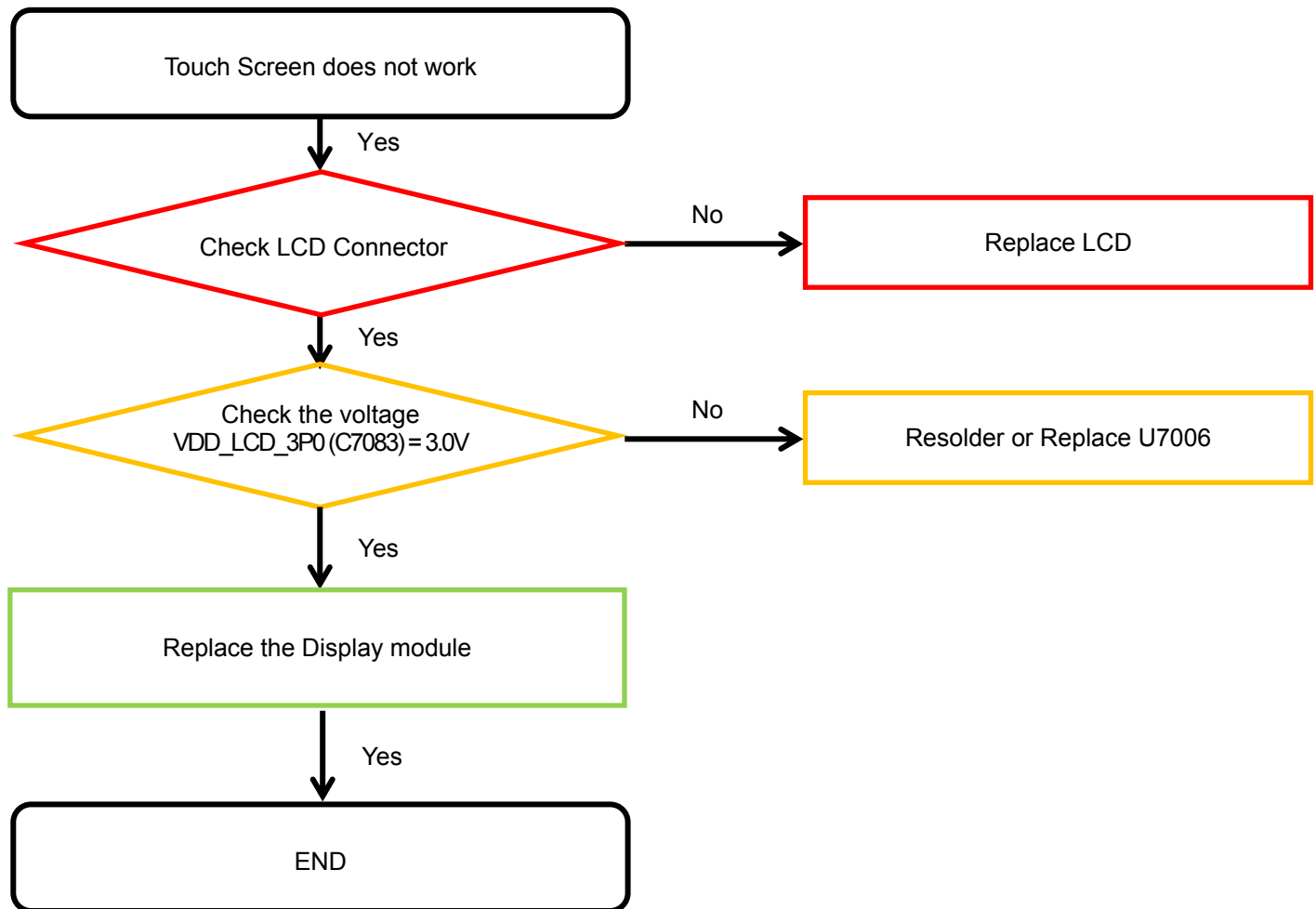
8. Level 3 Repair

8-4-13. 25M FF Front CAMERA



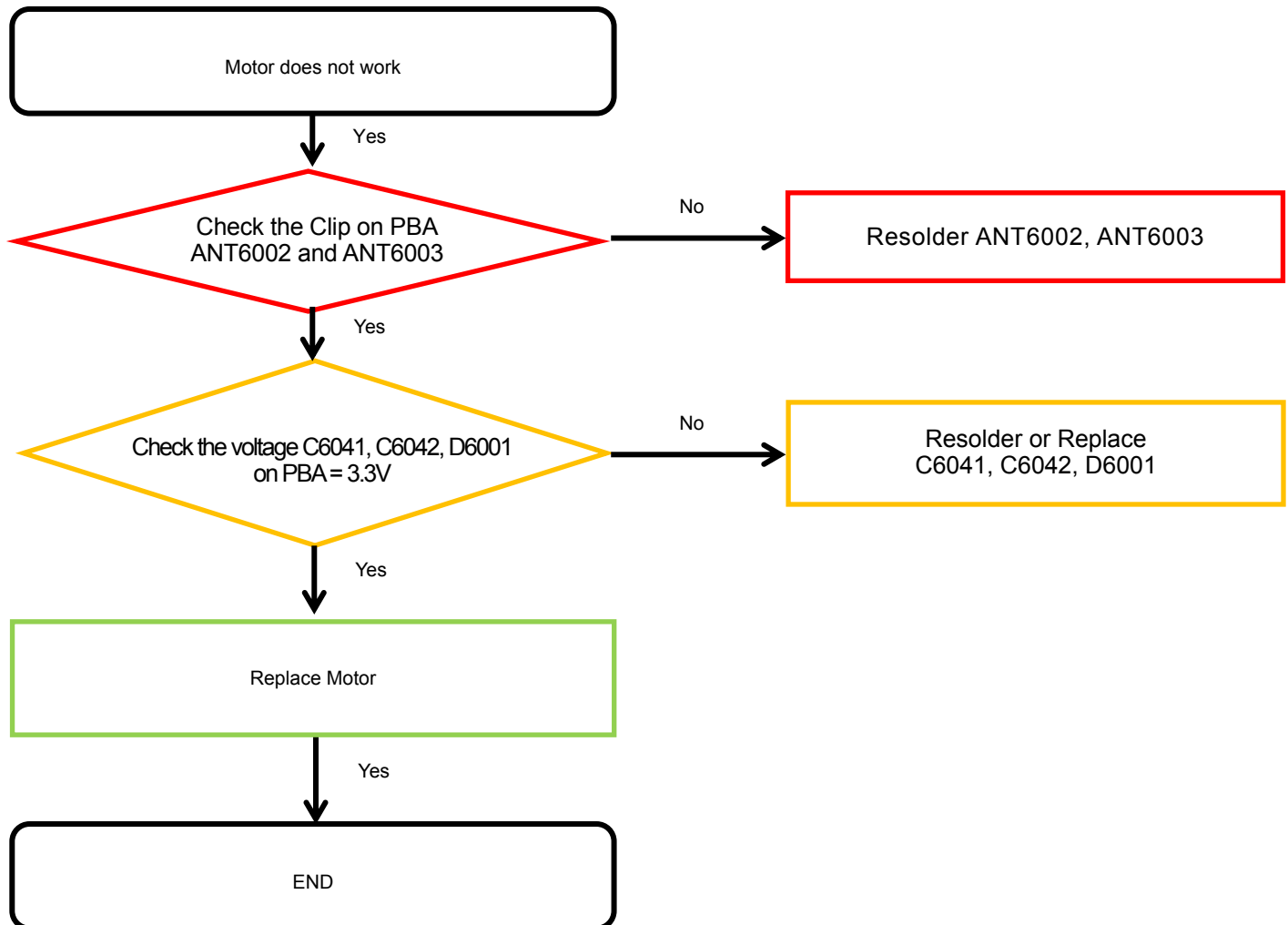
8. Level 3 Repair

8-4-14. LCD



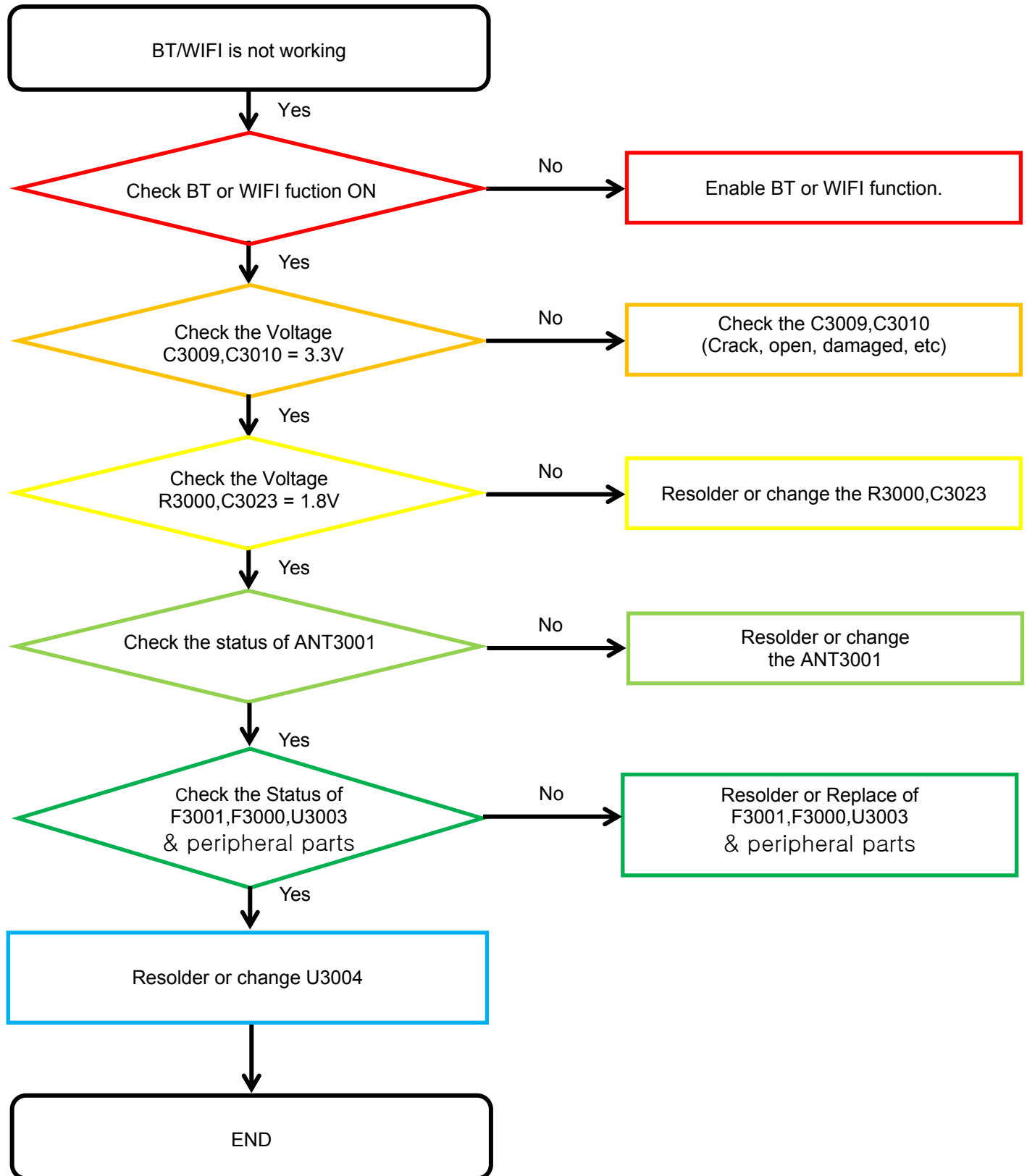
8. Level 3 Repair

8-4-15. Motor



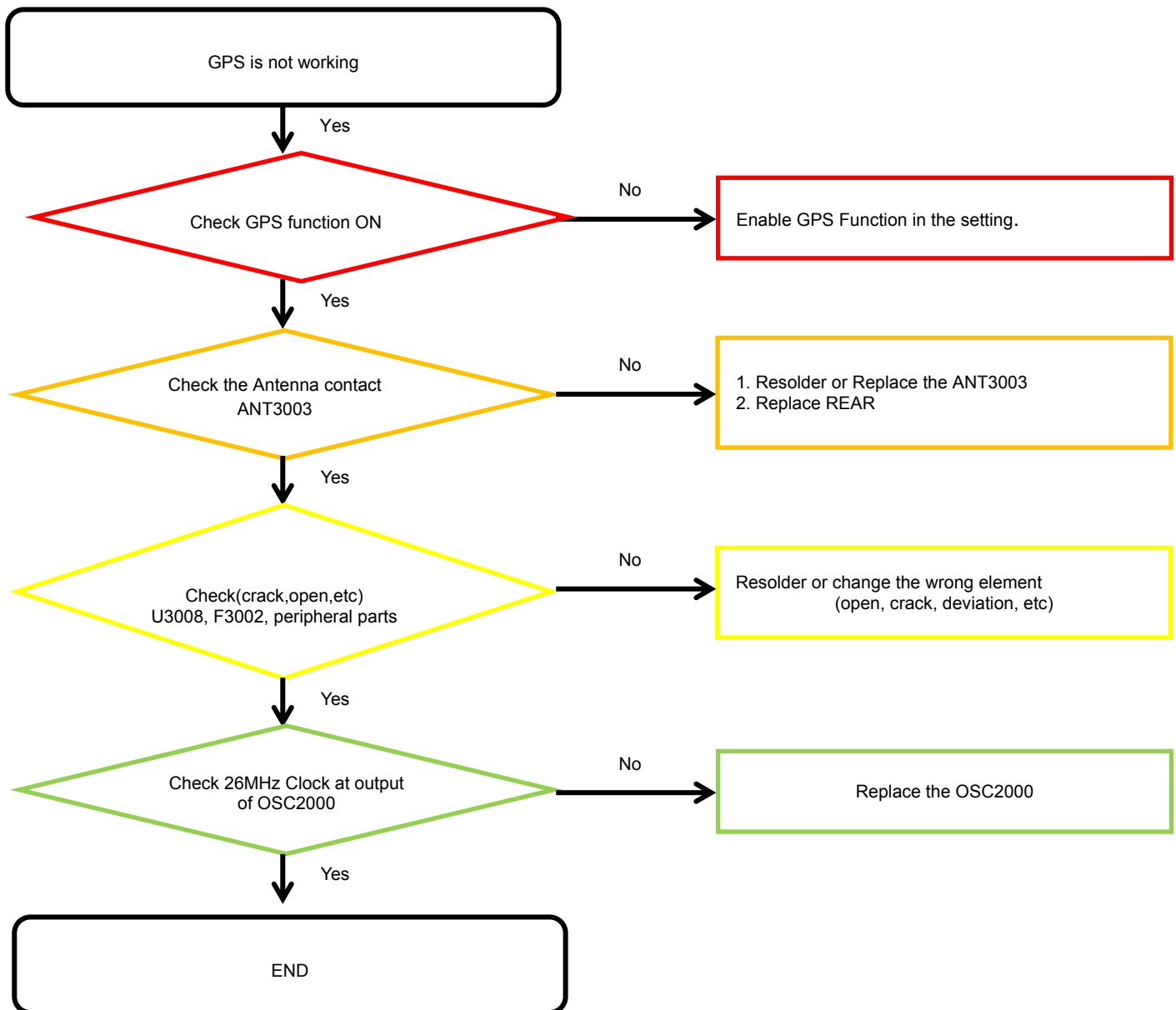
8. Level 3 Repair

8-4-16. BT/WIFI



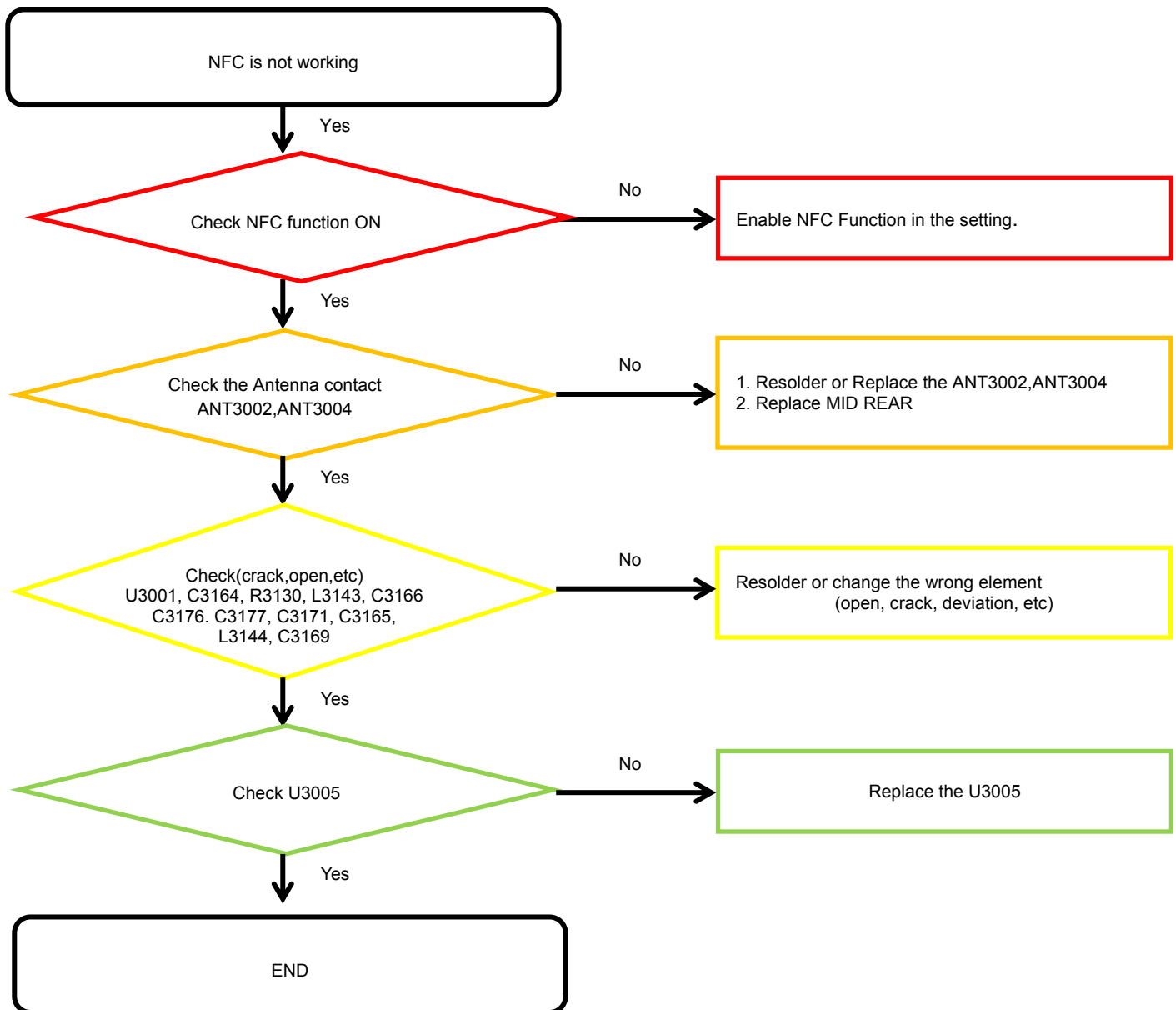
8. Level 3 Repair

8-4-17. GPS



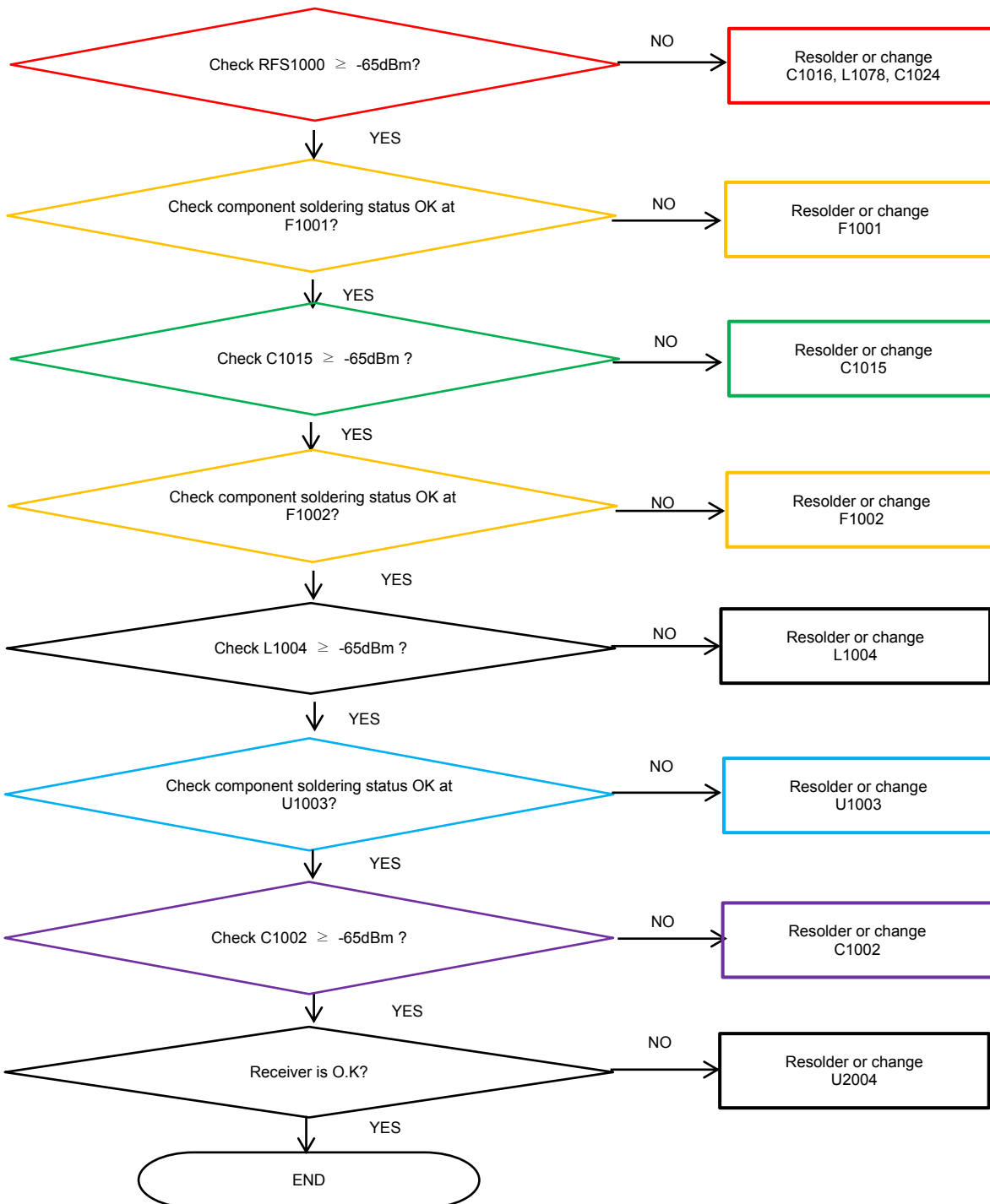
8. Level 3 Repair

8-4-18. NFC



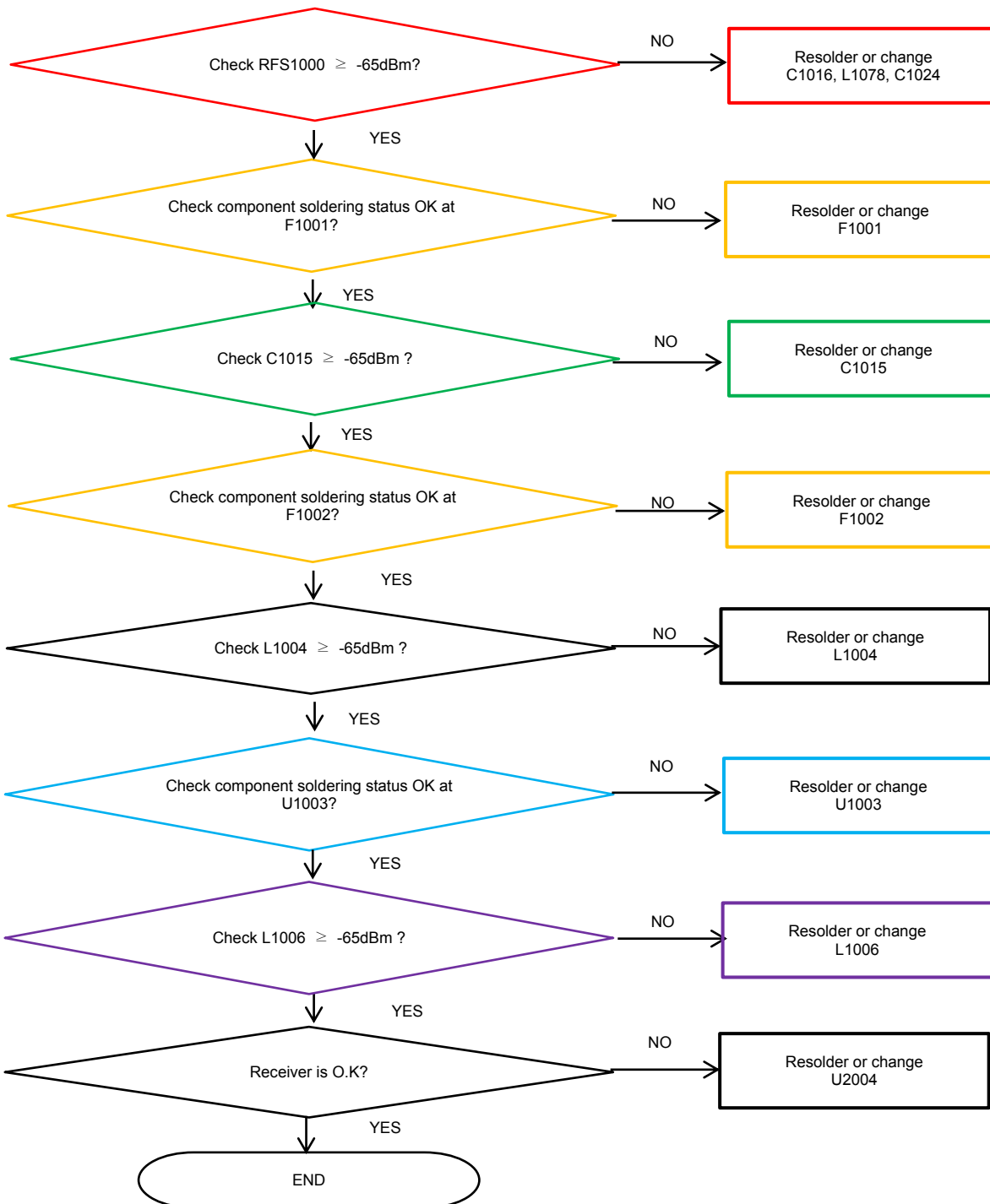
8. Level 3 Repair

8-4-20. LTE B1, WCDMA B1 Rx



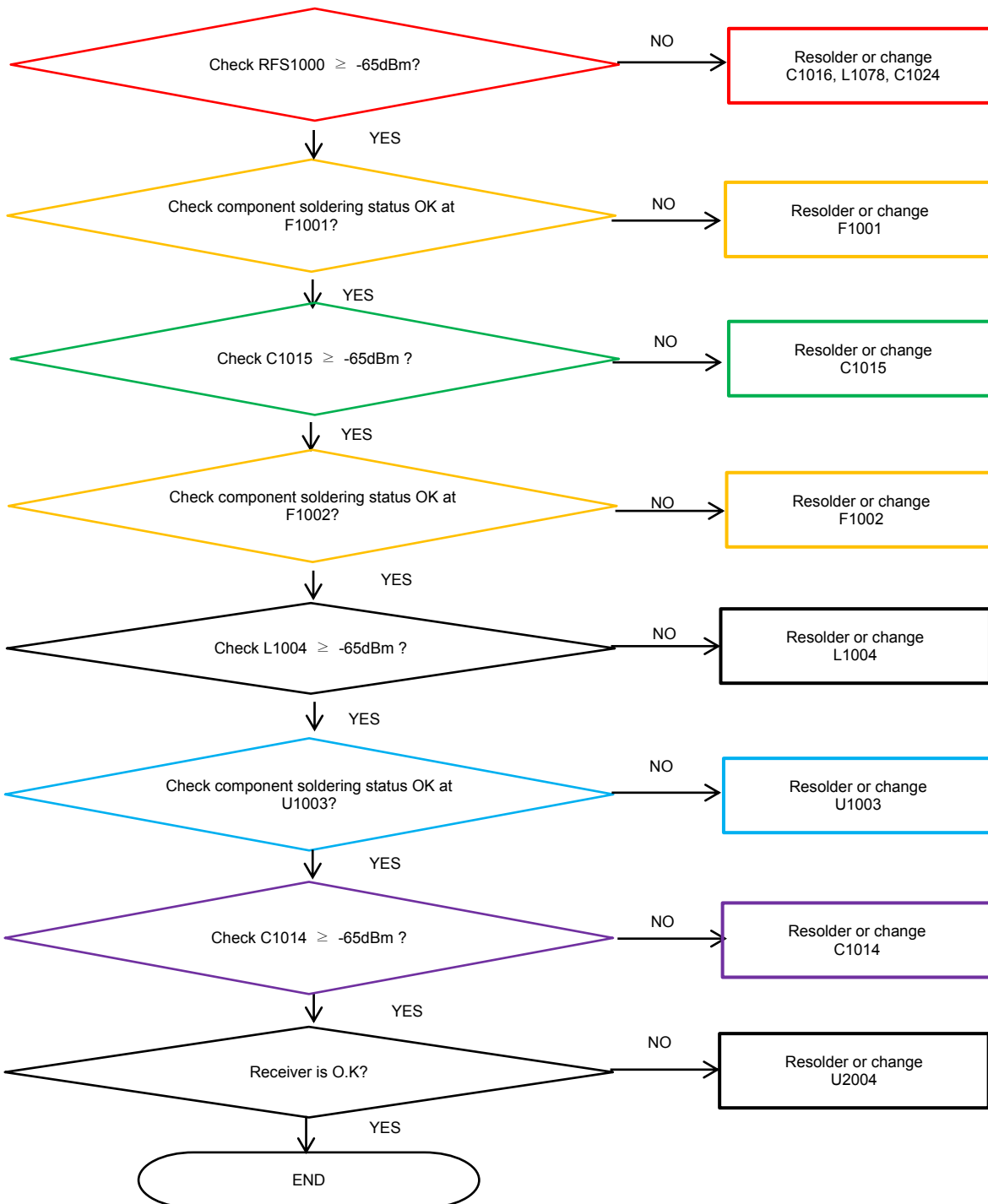
8. Level 3 Repair

8-4-21. WCDMA B2 / PCS RX, LTEB2



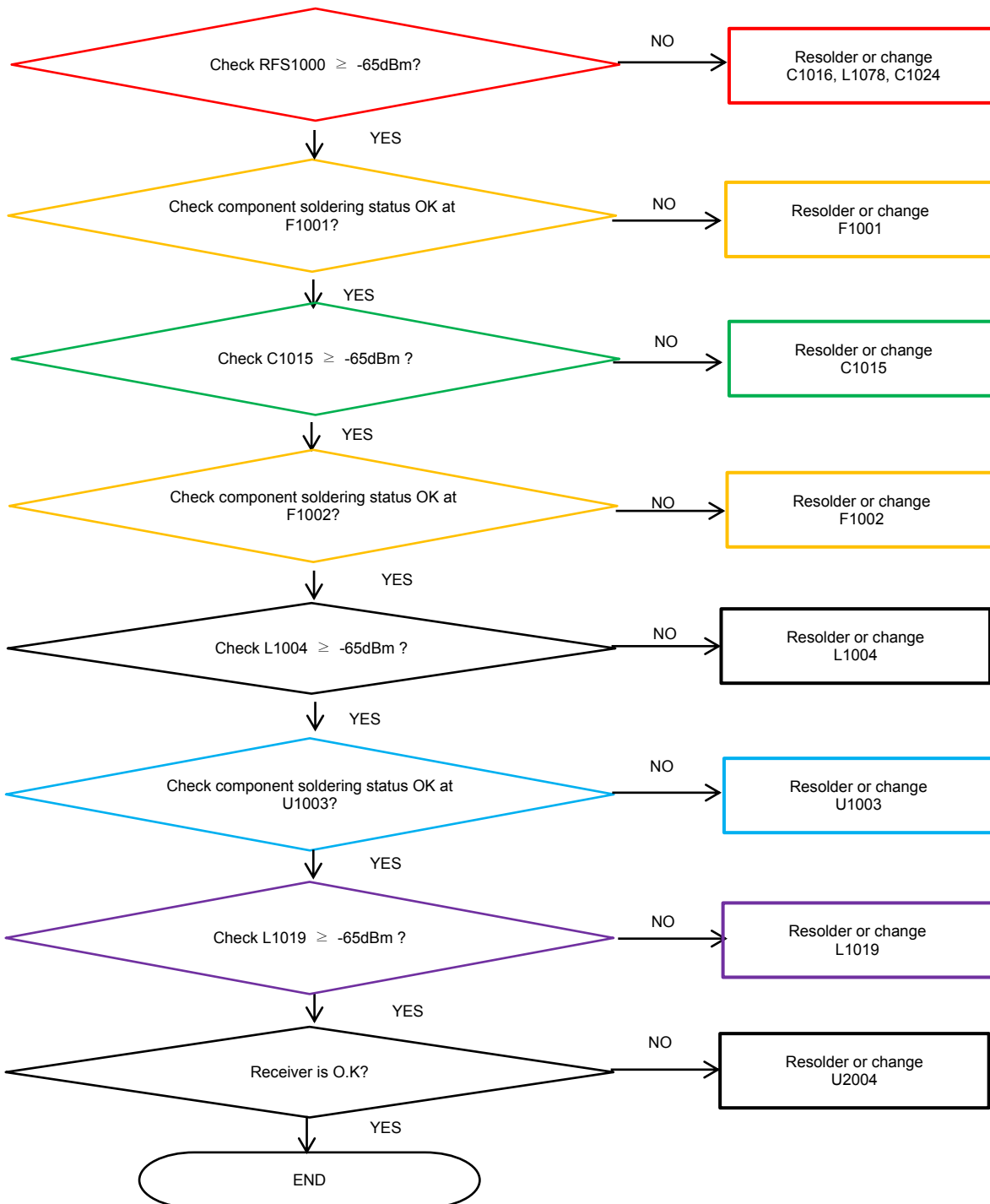
8. Level 3 Repair

8-4-22. LTE B3 / DCS RX



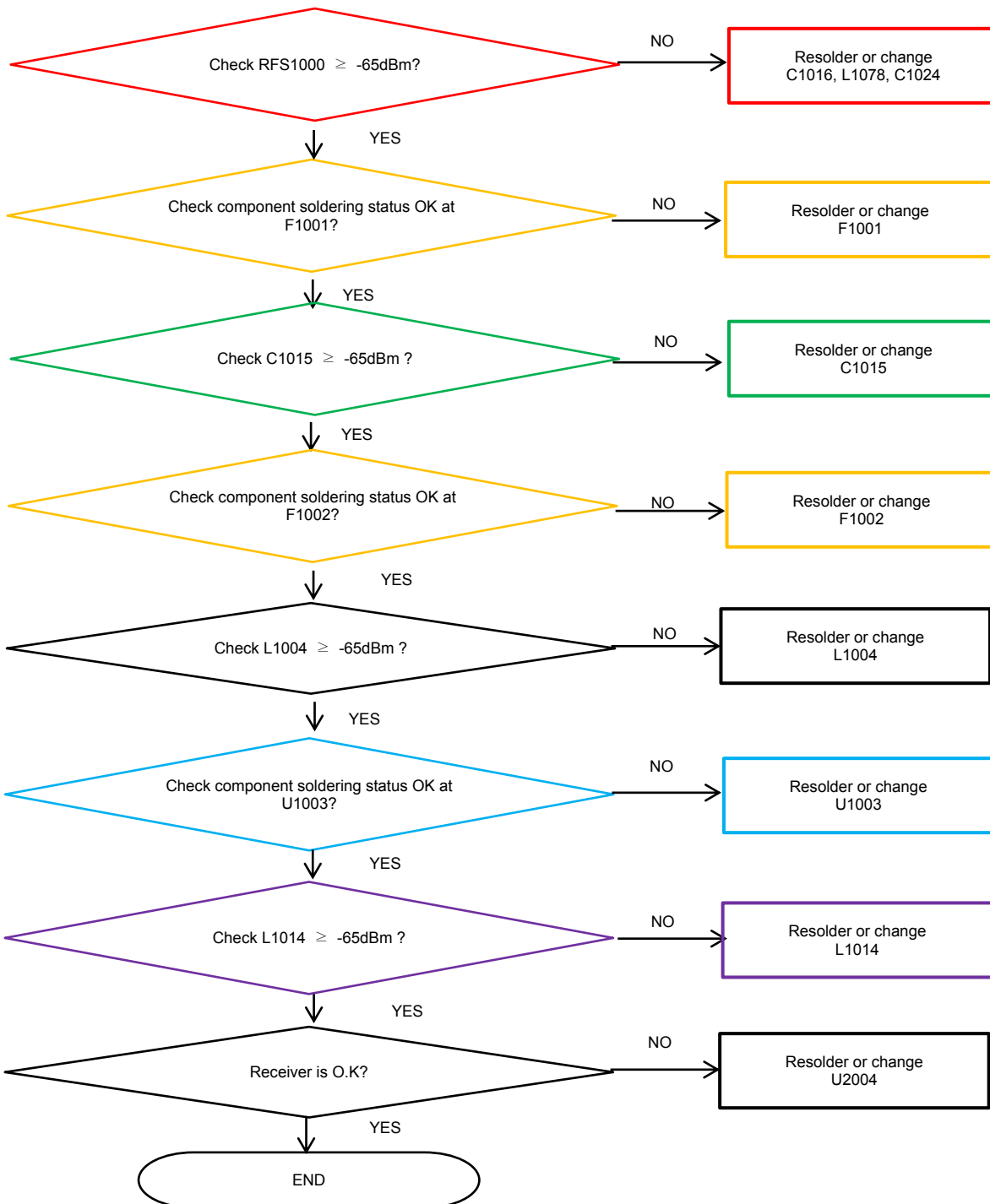
8. Level 3 Repair

8-4-24. LTE, WCDMA B5 / GSM850 RX



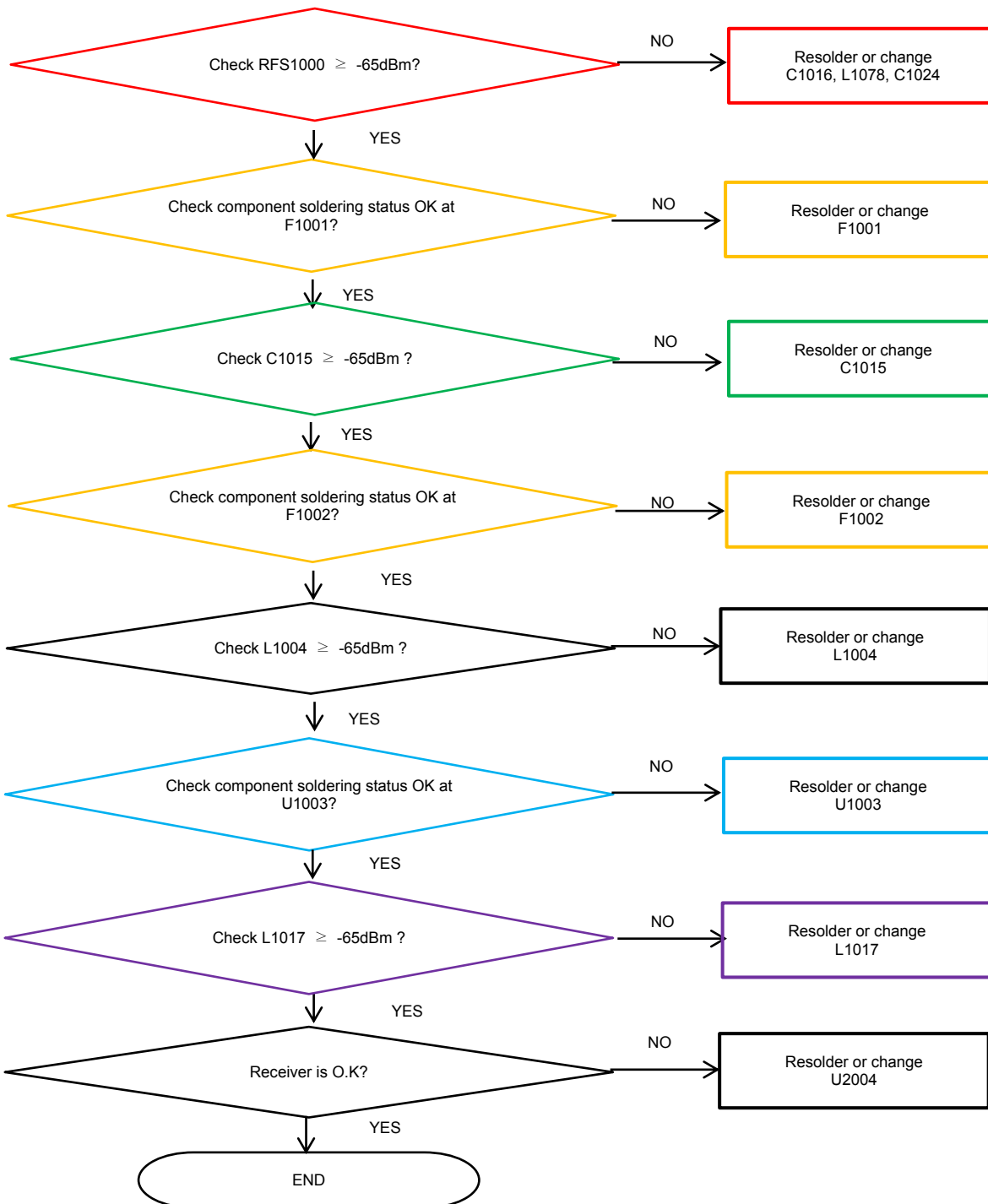
8. Level 3 Repair

8-4-25. LTE B8, WCDMA B8 / EGSM RX



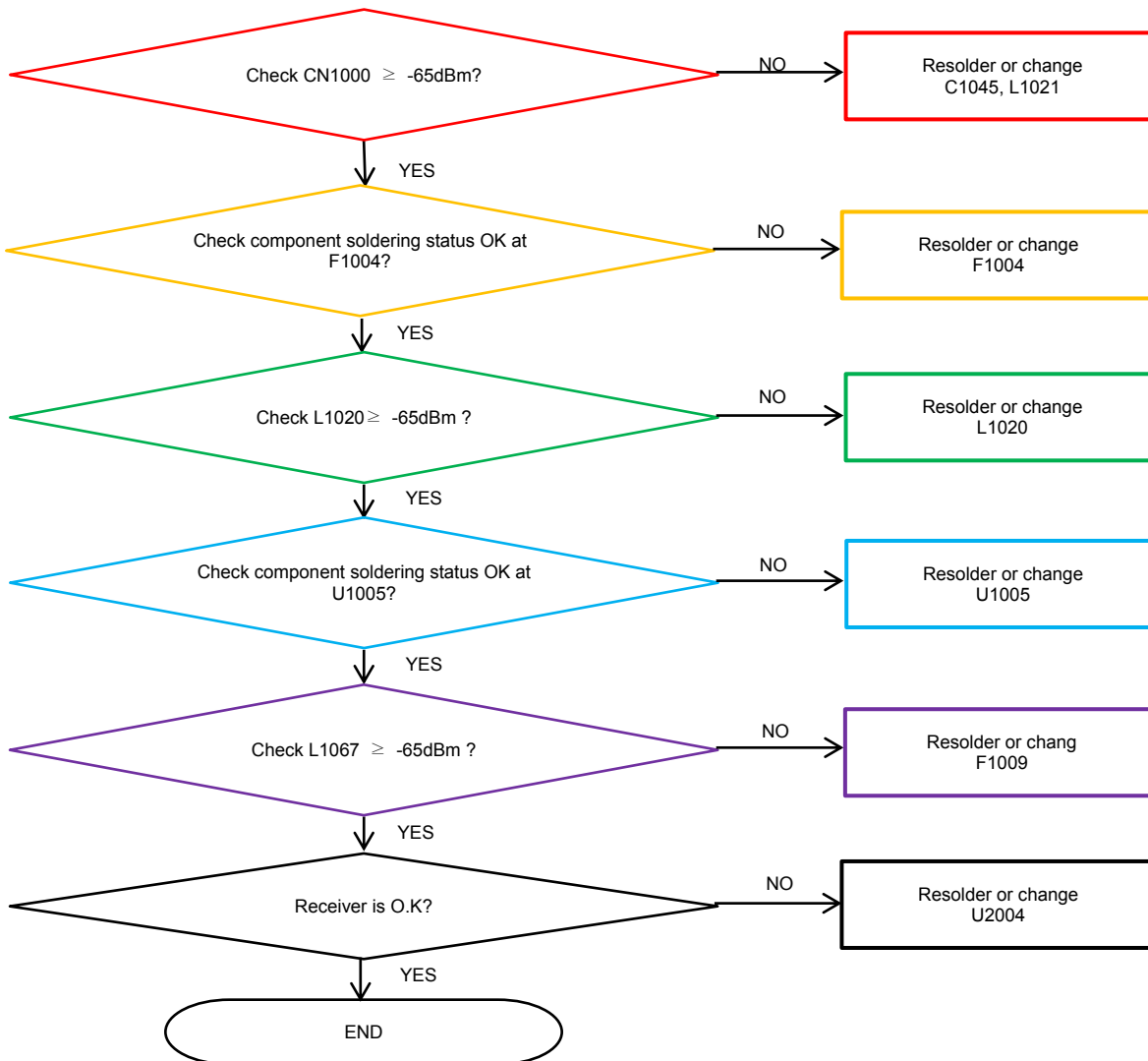
8. Level 3 Repair

8-4-26. LTE B20 RX



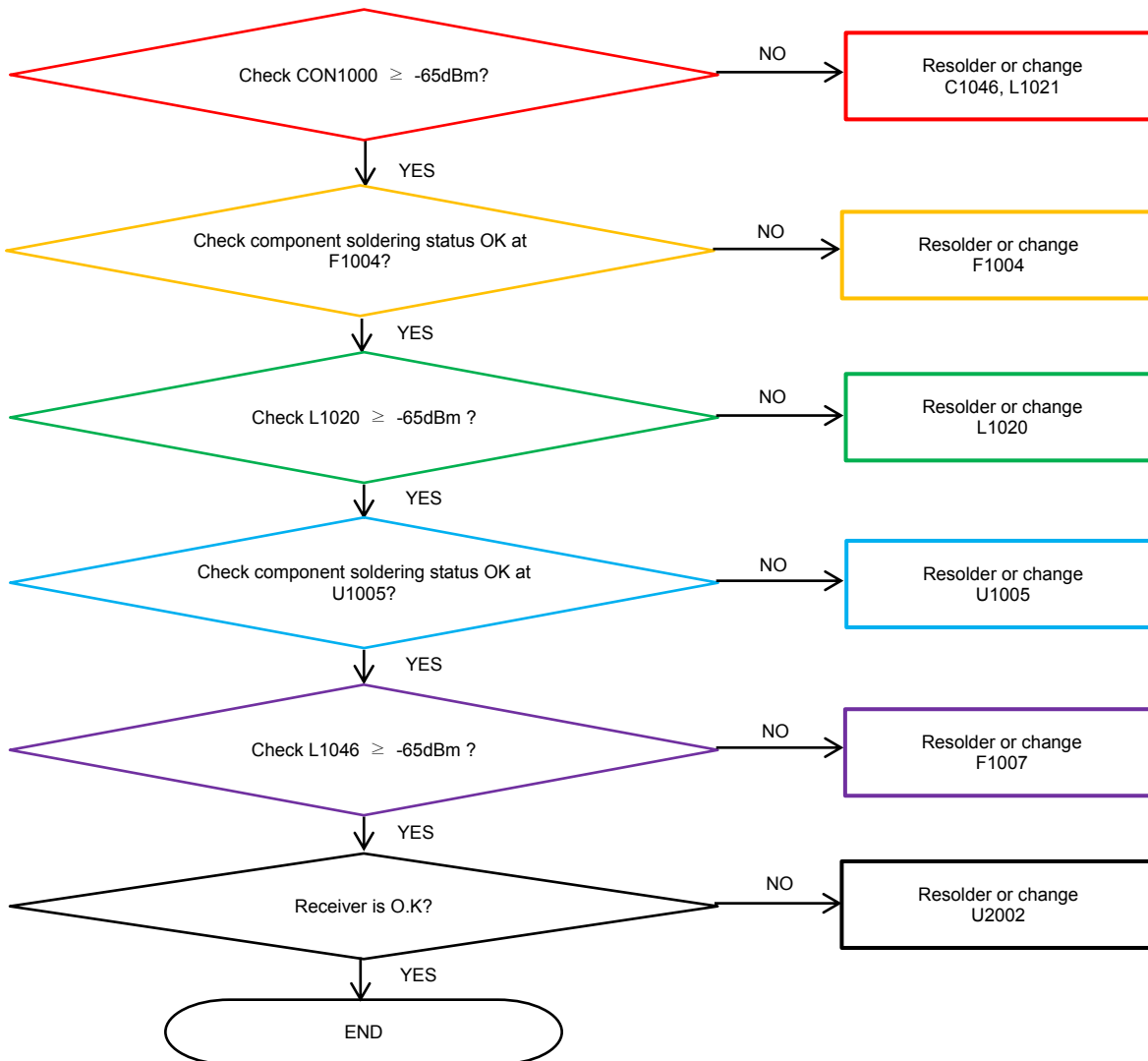
8. Level 3 Repair

8-4-30. LTE B7 RX



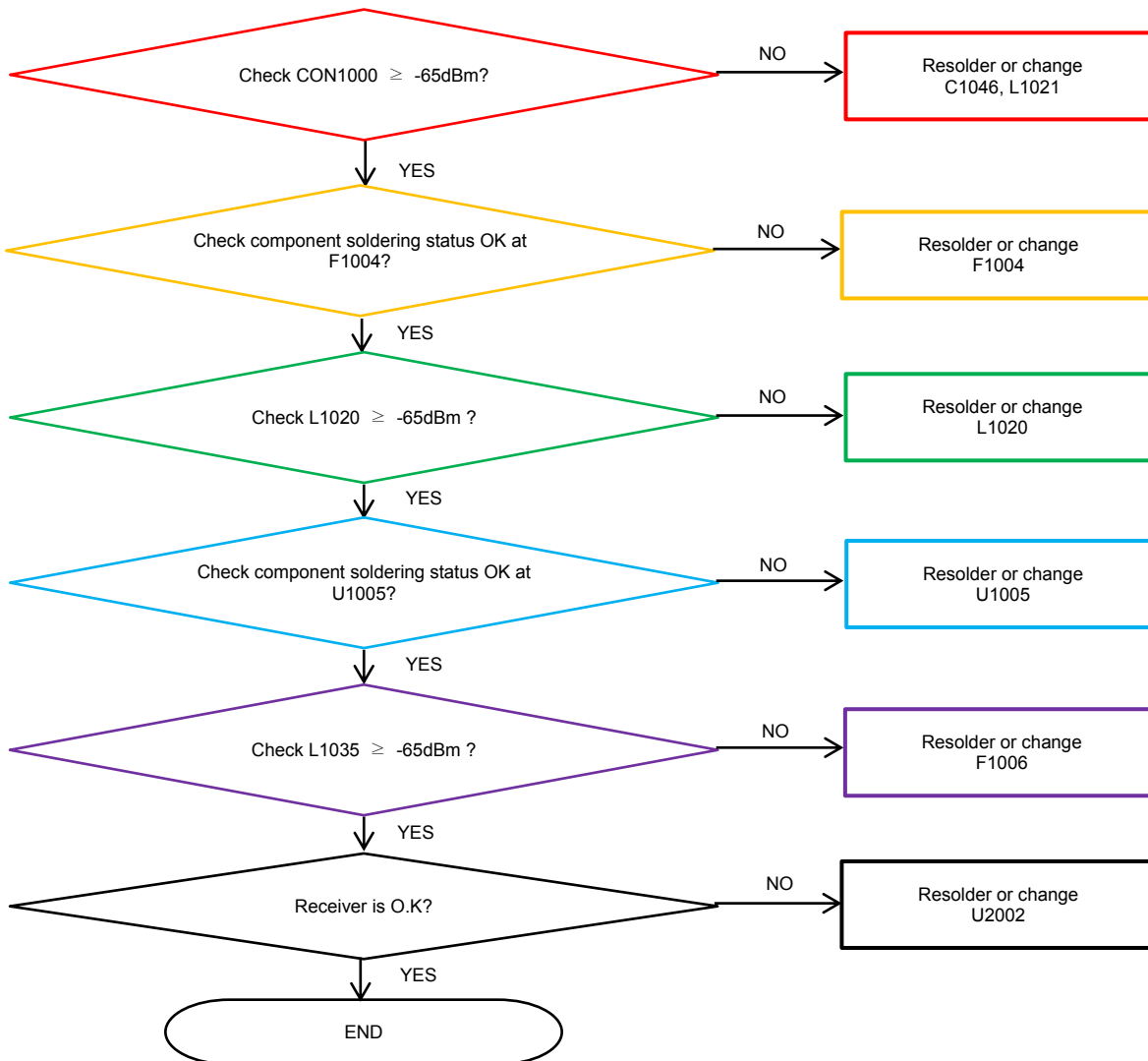
8. Level 3 Repair

8-4-31. LTE B38_41 RX



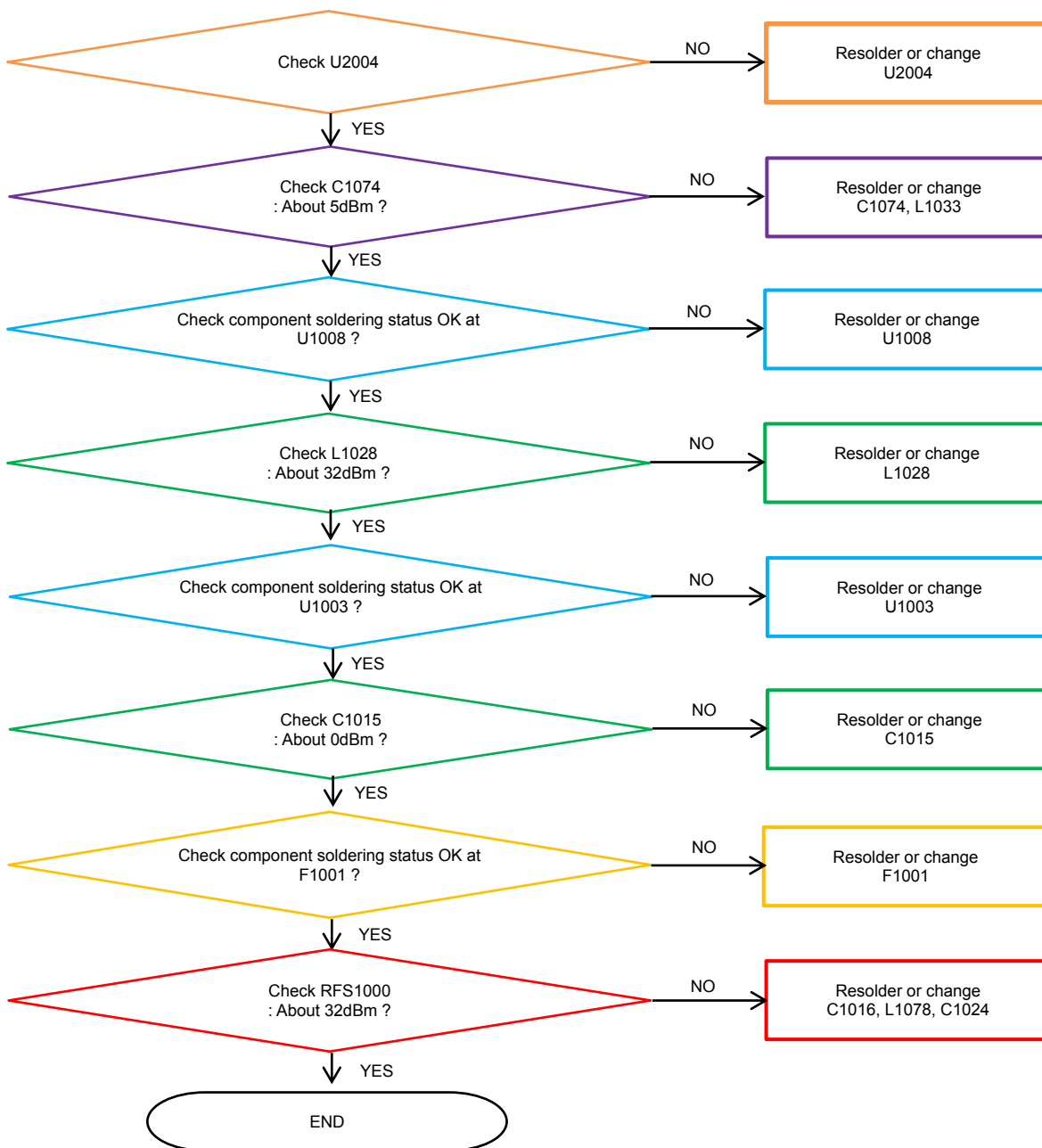
8. Level 3 Repair

8-4-32. LTE B40 RX



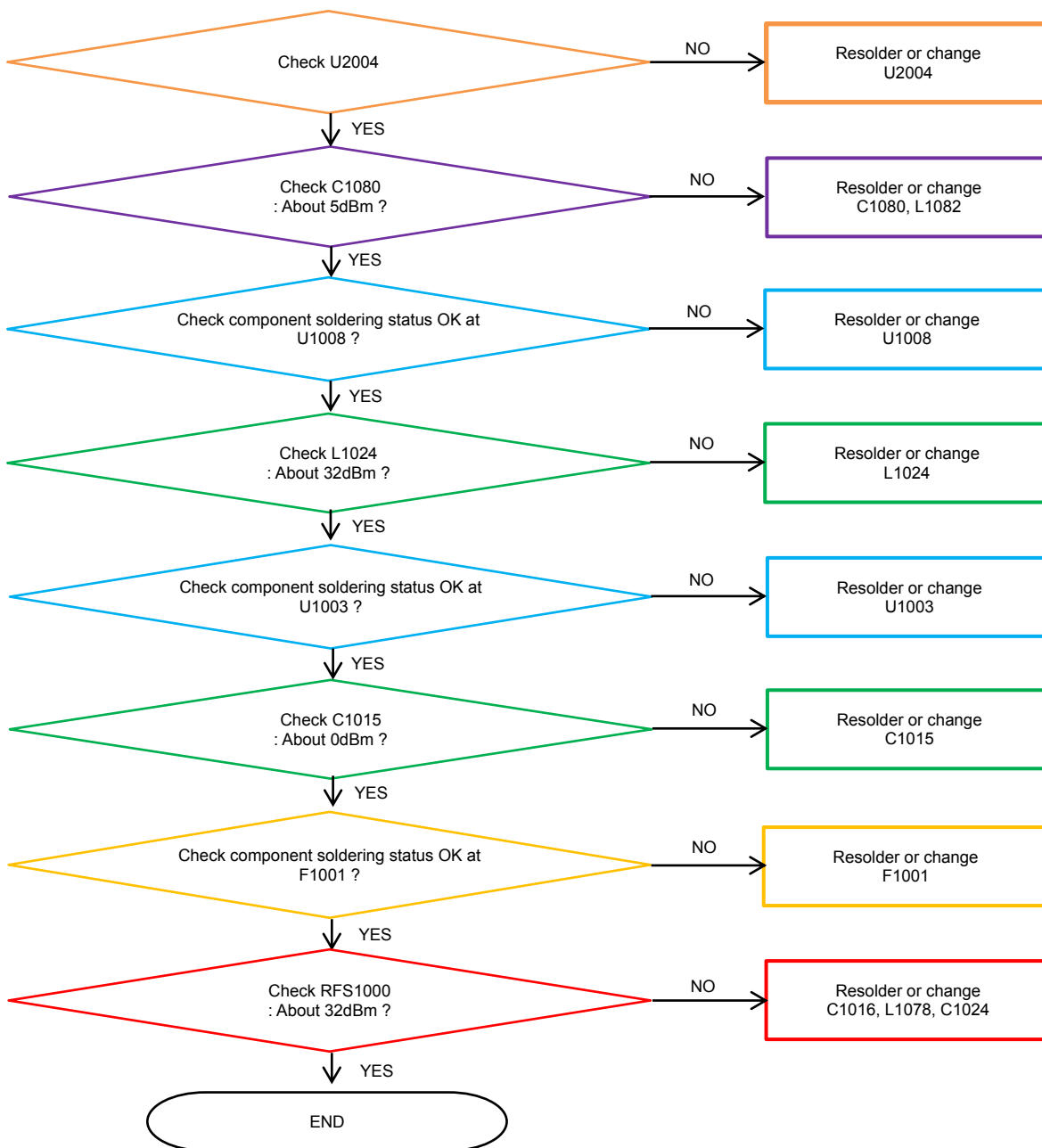
8. Level 3 Repair

8-4-33. GSM 850 / GSM900 TX



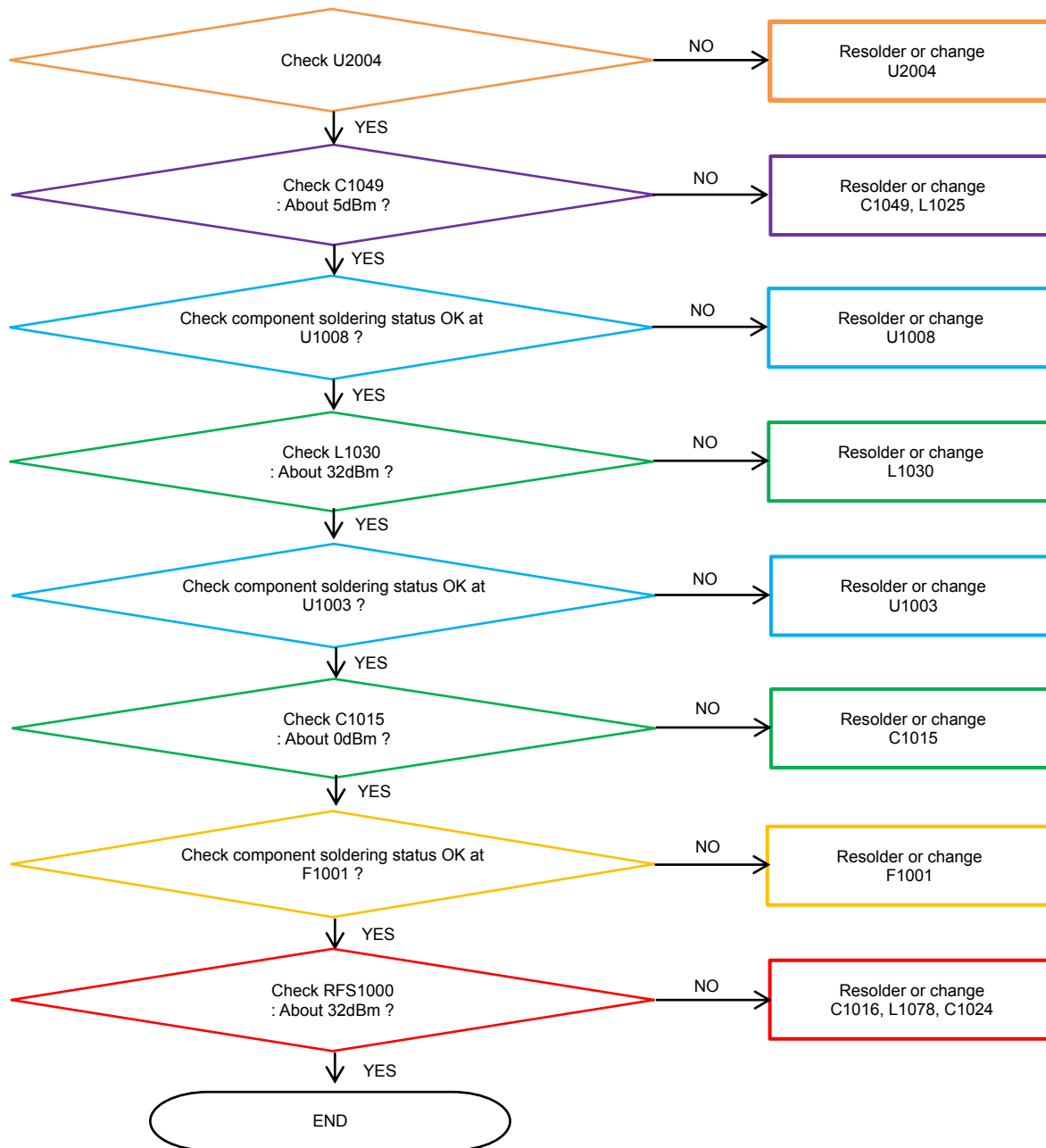
8. Level 3 Repair

8-4-34. GSM1800/ GSM1900 TX



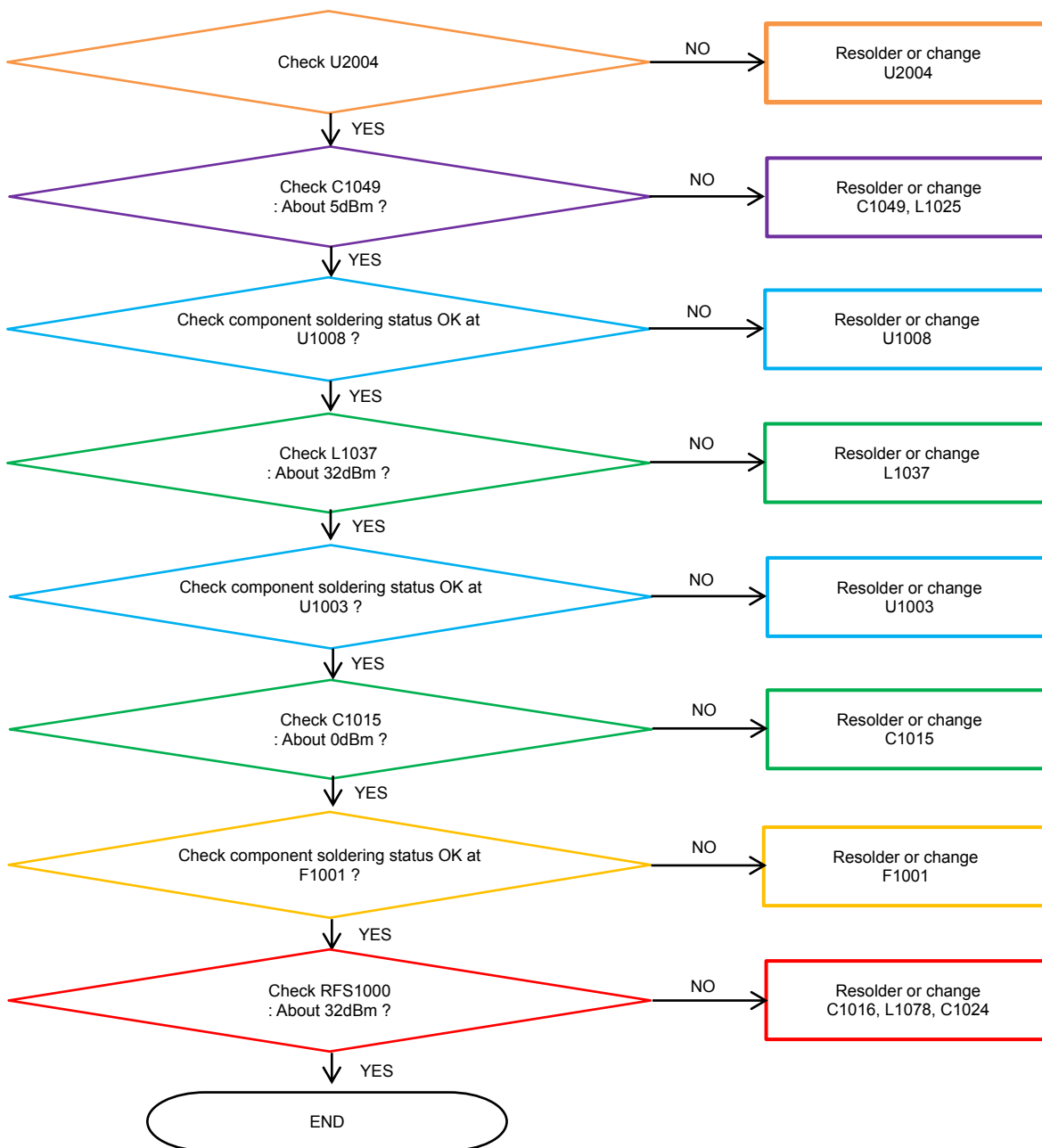
8. Level 3 Repair

8-4-35. LTE, WCDMA B1 TX



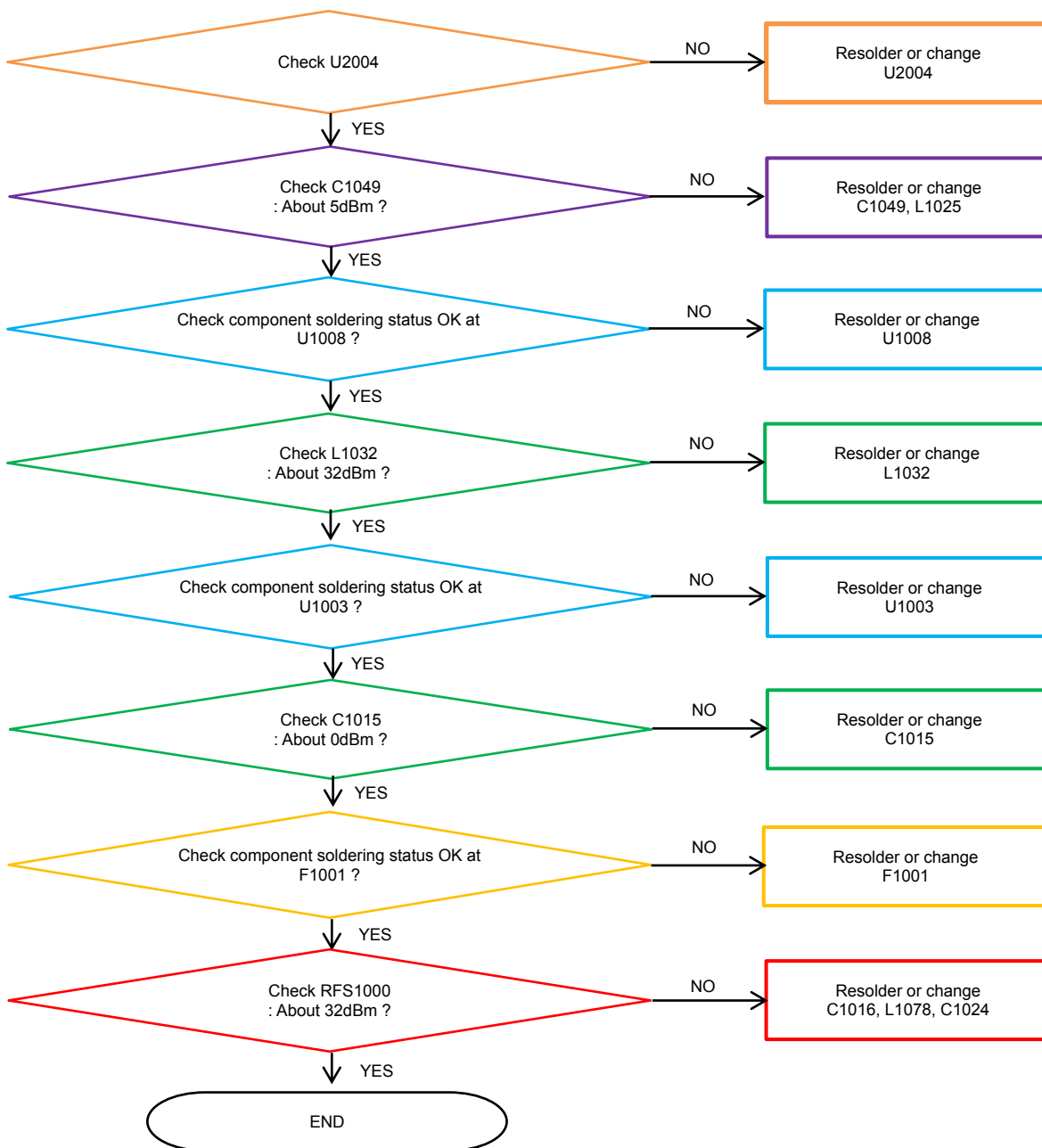
8. Level 3 Repair

8-4-36. WCDMA B2 TX



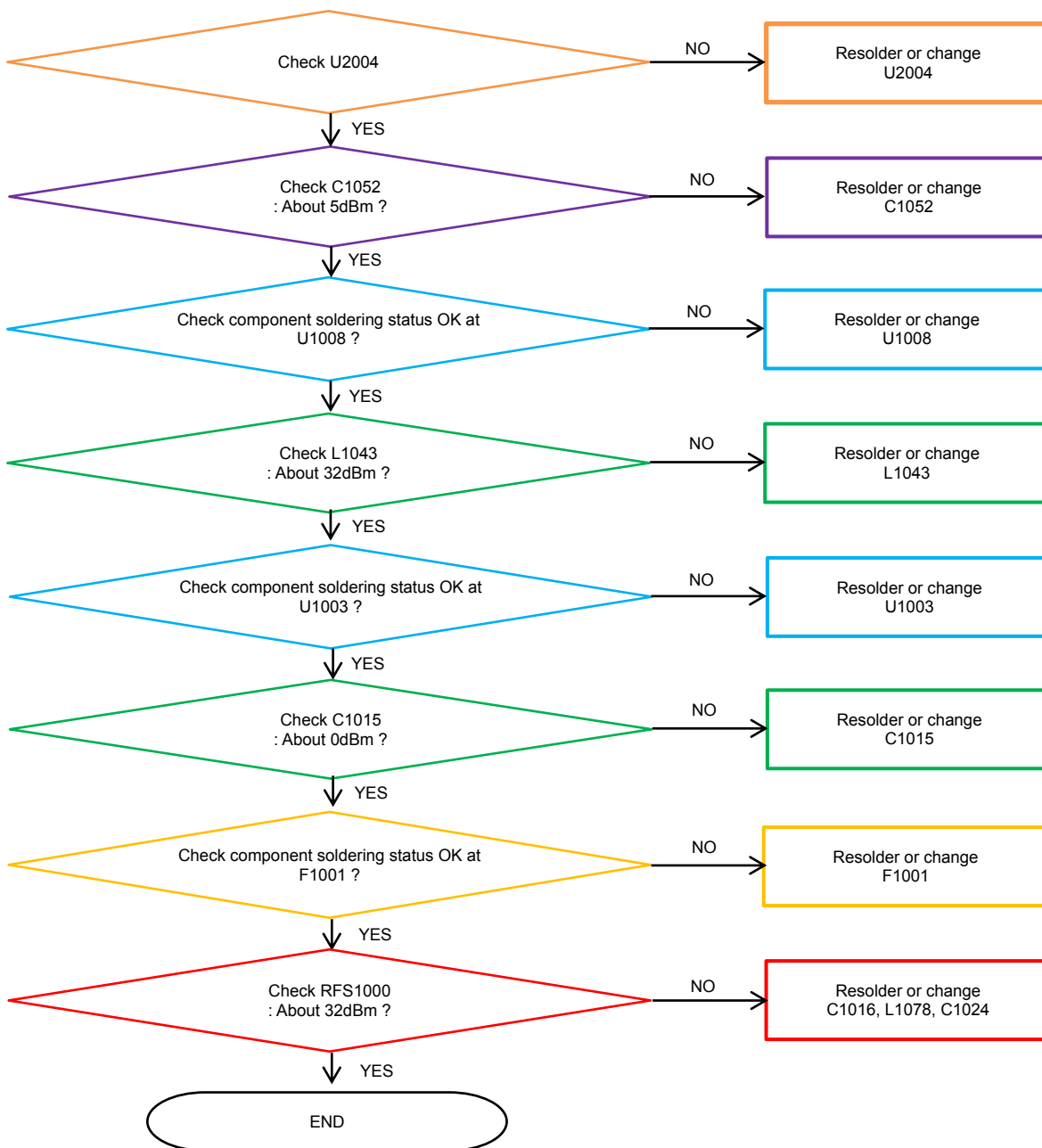
8. Level 3 Repair

8-4-37. LTE B3 TX



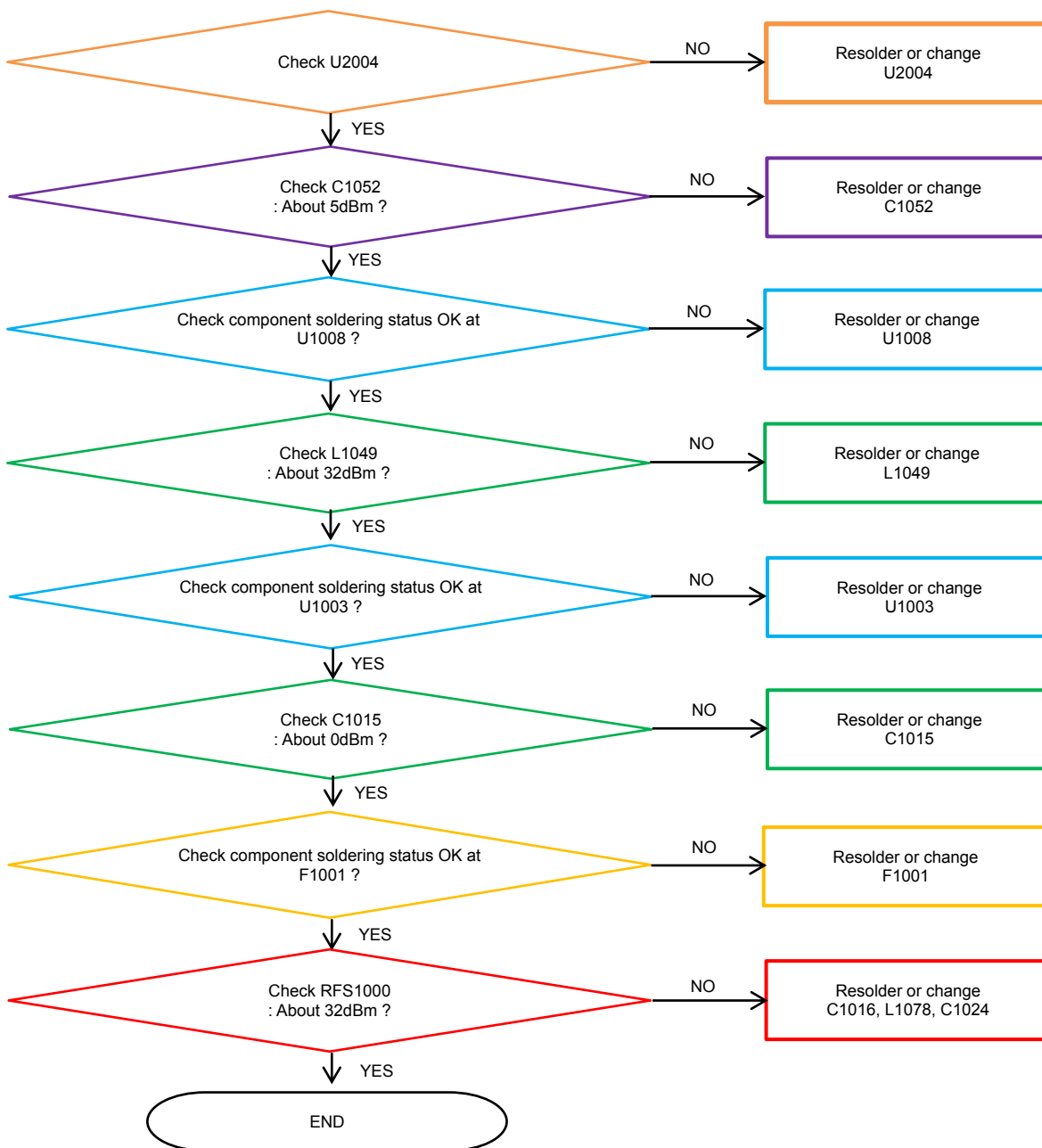
8. Level 3 Repair

8-4-38. LTE, WCDMA B5 TX



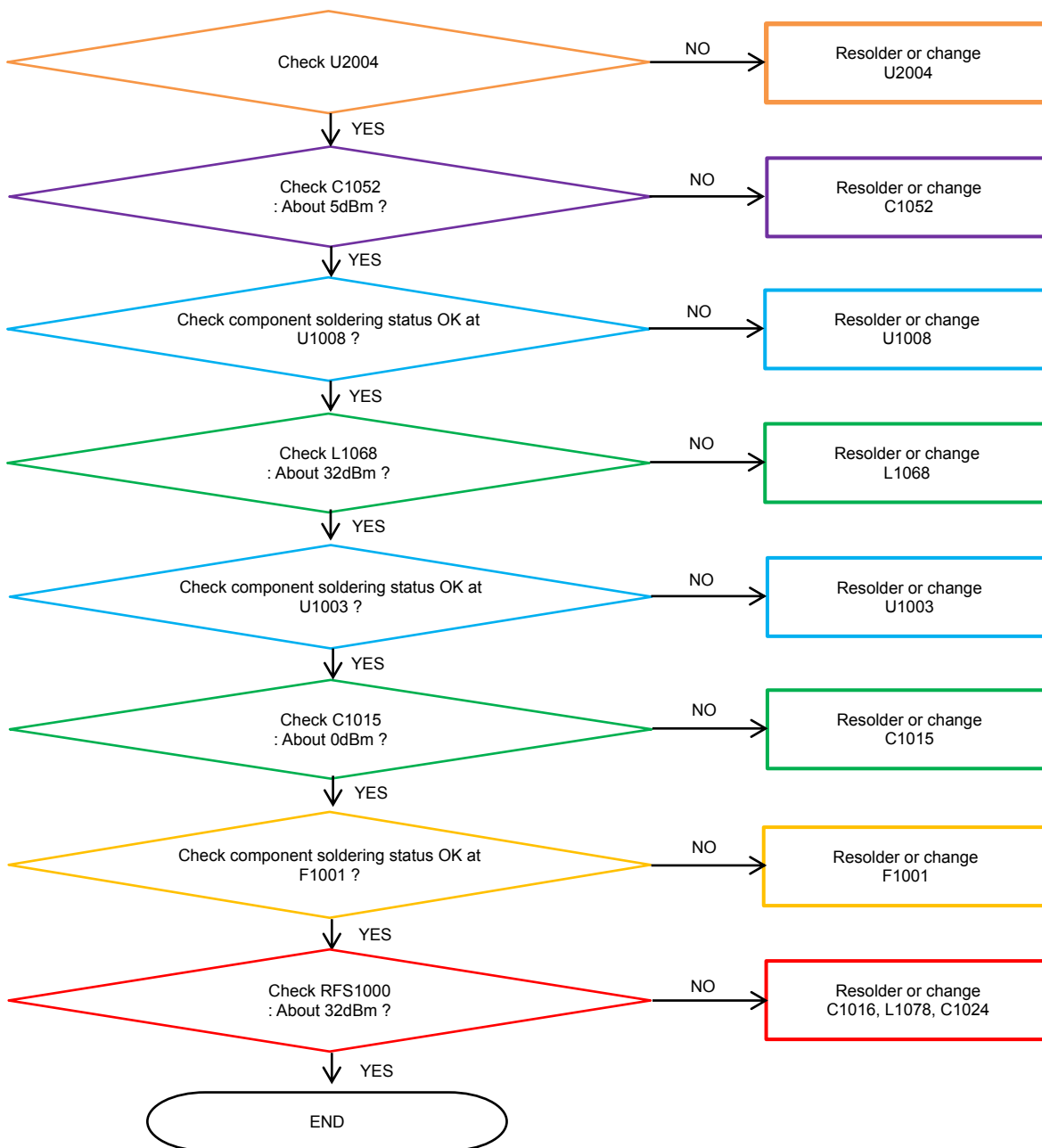
8. Level 3 Repair

8-4-39. LTE, WCDMA B8 TX



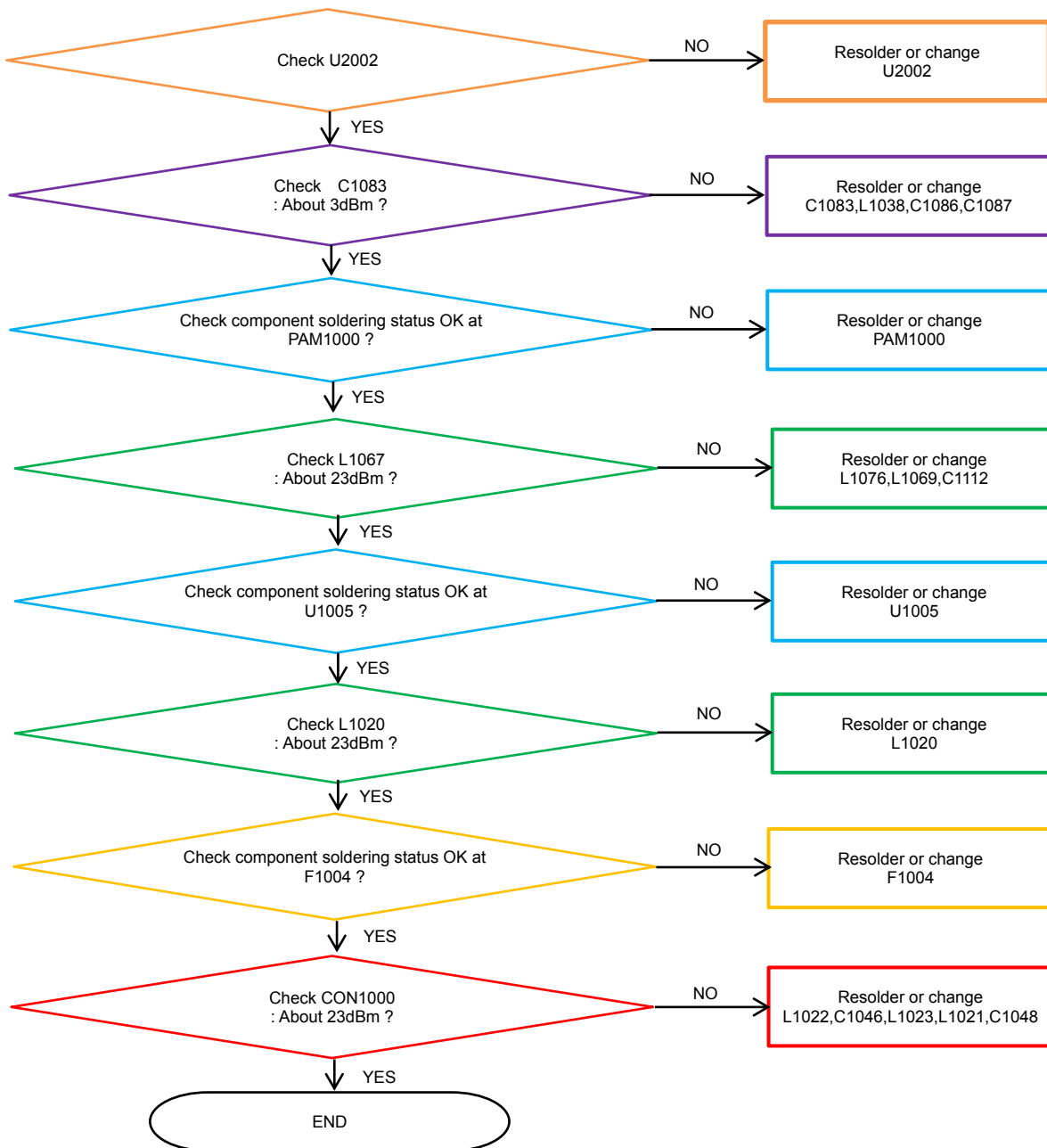
8. Level 3 Repair

8-4-40. LTE B20 TX



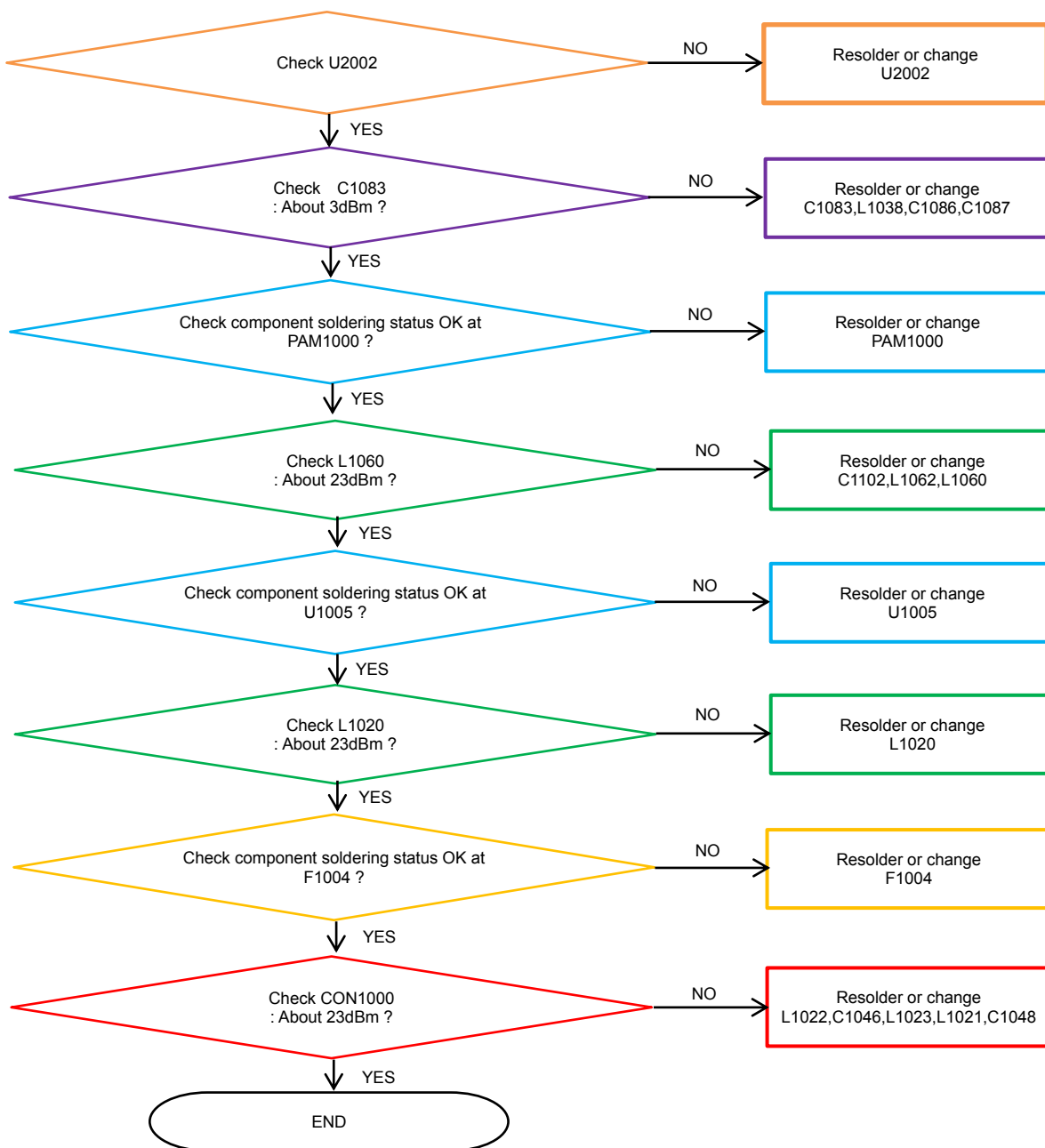
8. Level 3 Repair

8-4-41. LTE B7 TX



8. Level 3 Repair

8-4-42. LTE B38, 41 TX



8. Level 3 Repair

8-4-43. LTE B40 TX

