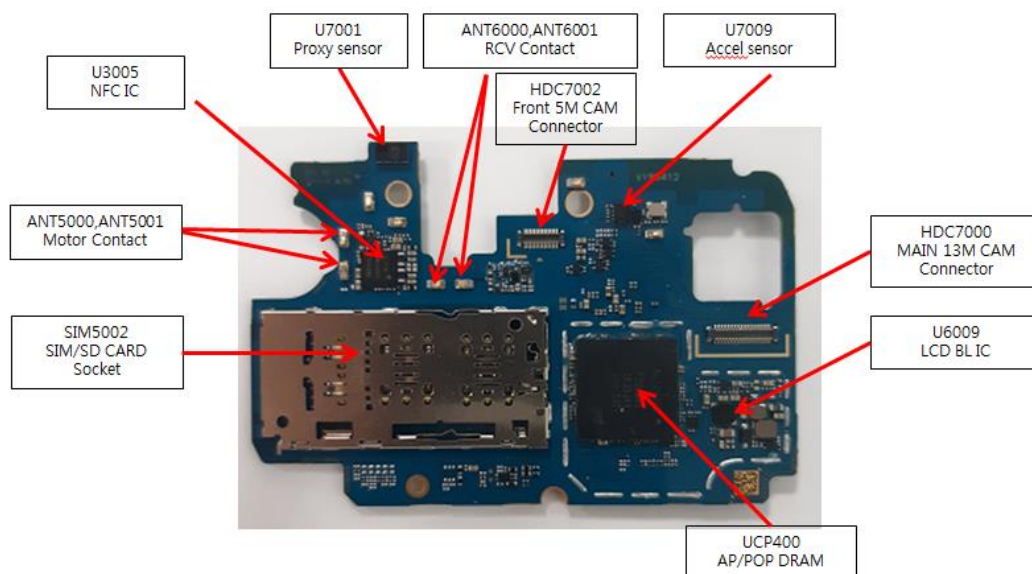
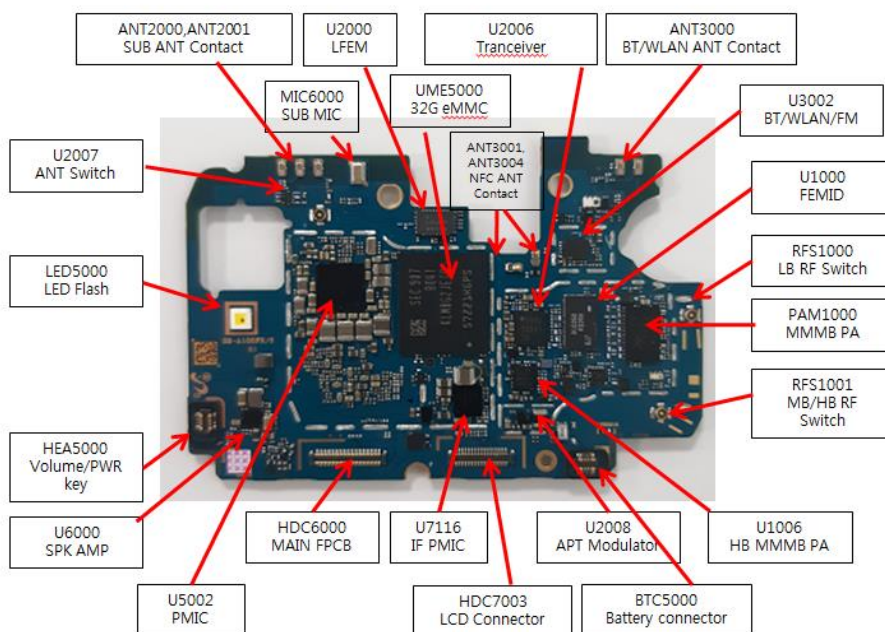


8. Level 3 Repair

8-1. Components Layout

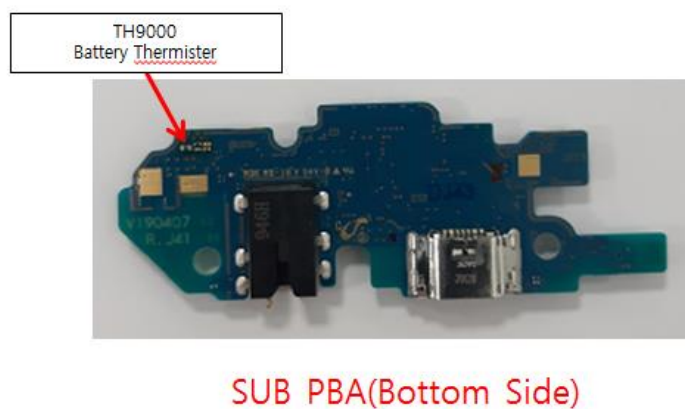
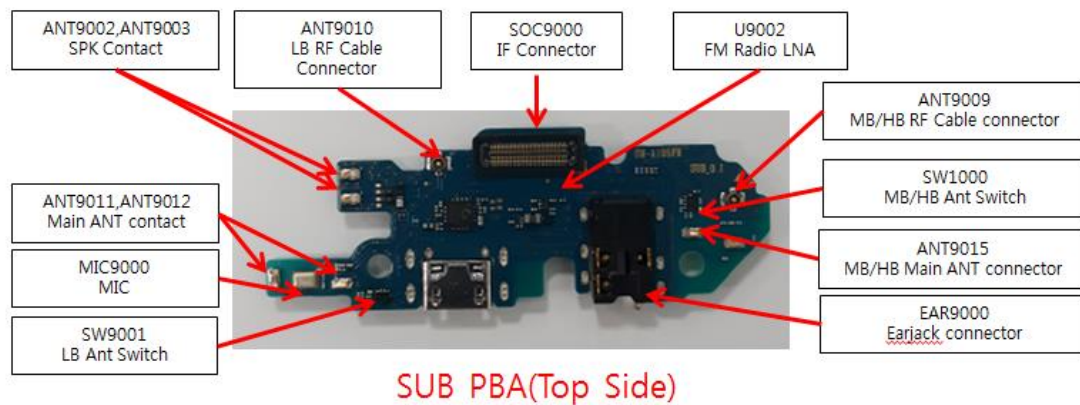


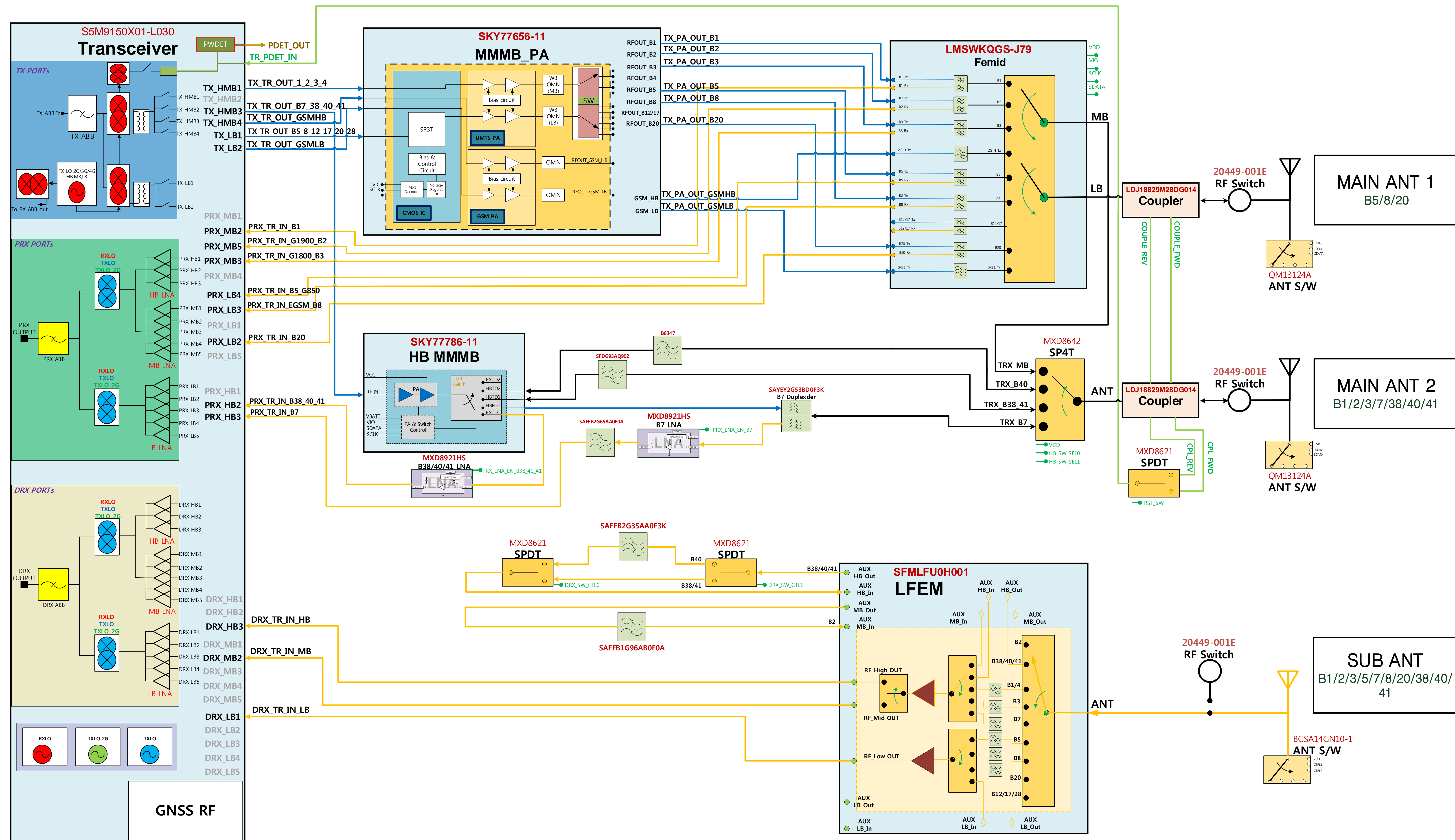
PBA(Top Side)



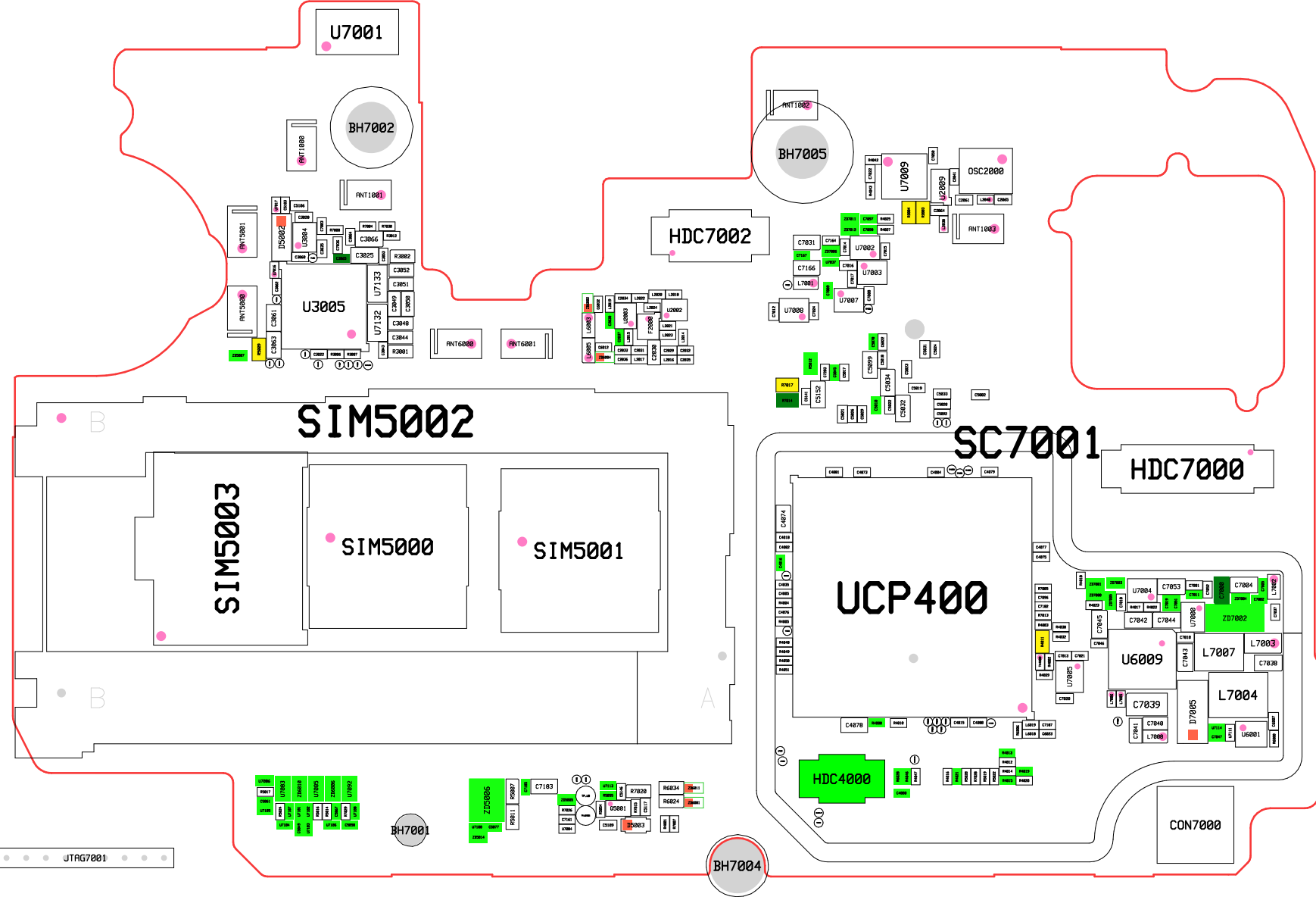
PBA(Bottom Side)

8. Level 3 Repair





EUR/KOR
2G : 850/900/1800/1900
3G : B1/2/5/8
4G : B1/2/3/5/7/8/20/38/40/41



U7001

BH7002

HDC7002

BH7005

SIM5002

SIM5003

SIM5000

SIM5001

SC7001

HDC7000

UCP400

HDC4000

U6009

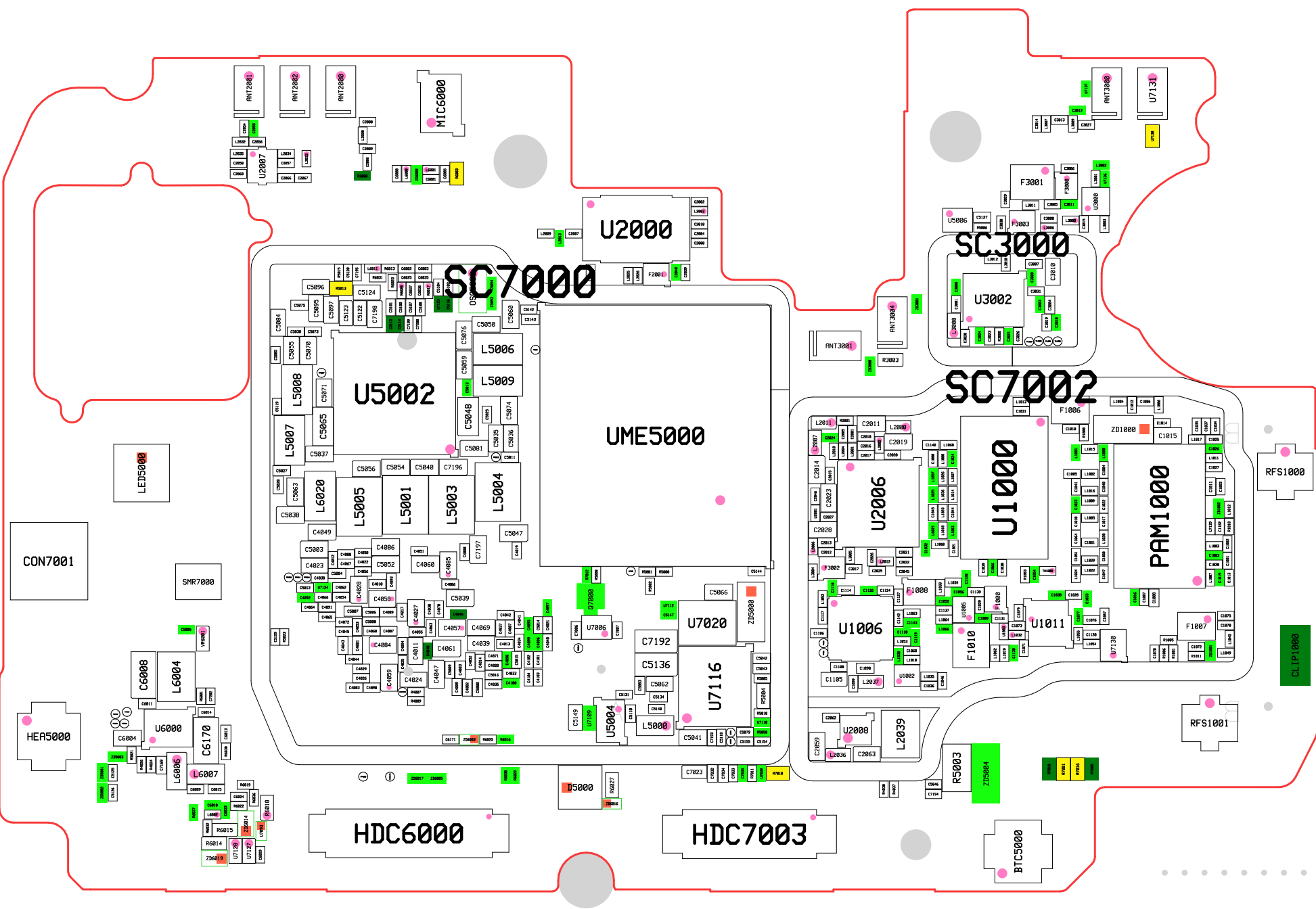
L7007

L7004

CON7000

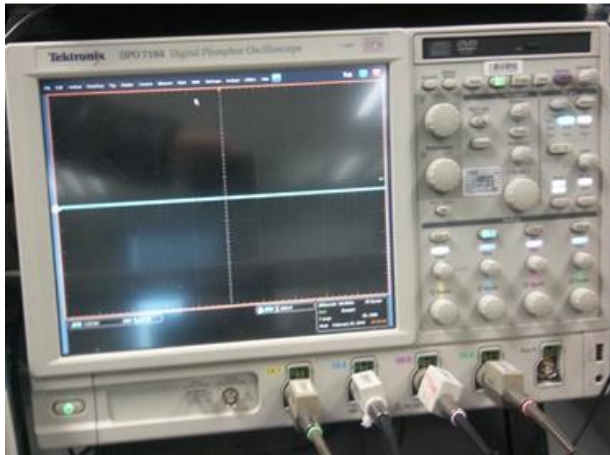
BH7004

JTAG7001



8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



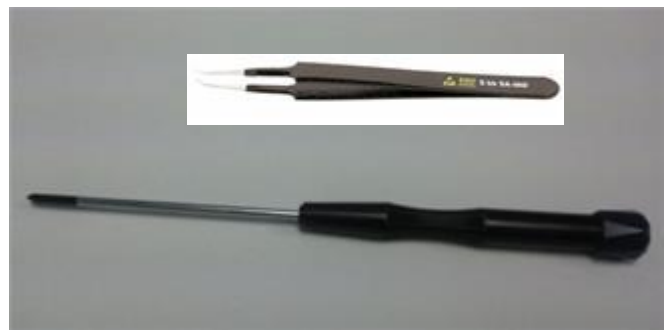
Oscilloscope



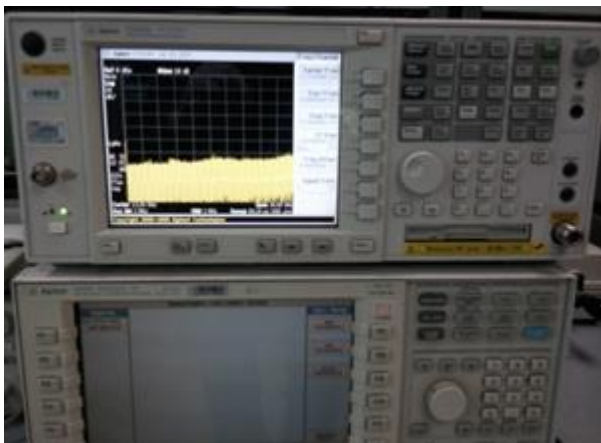
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



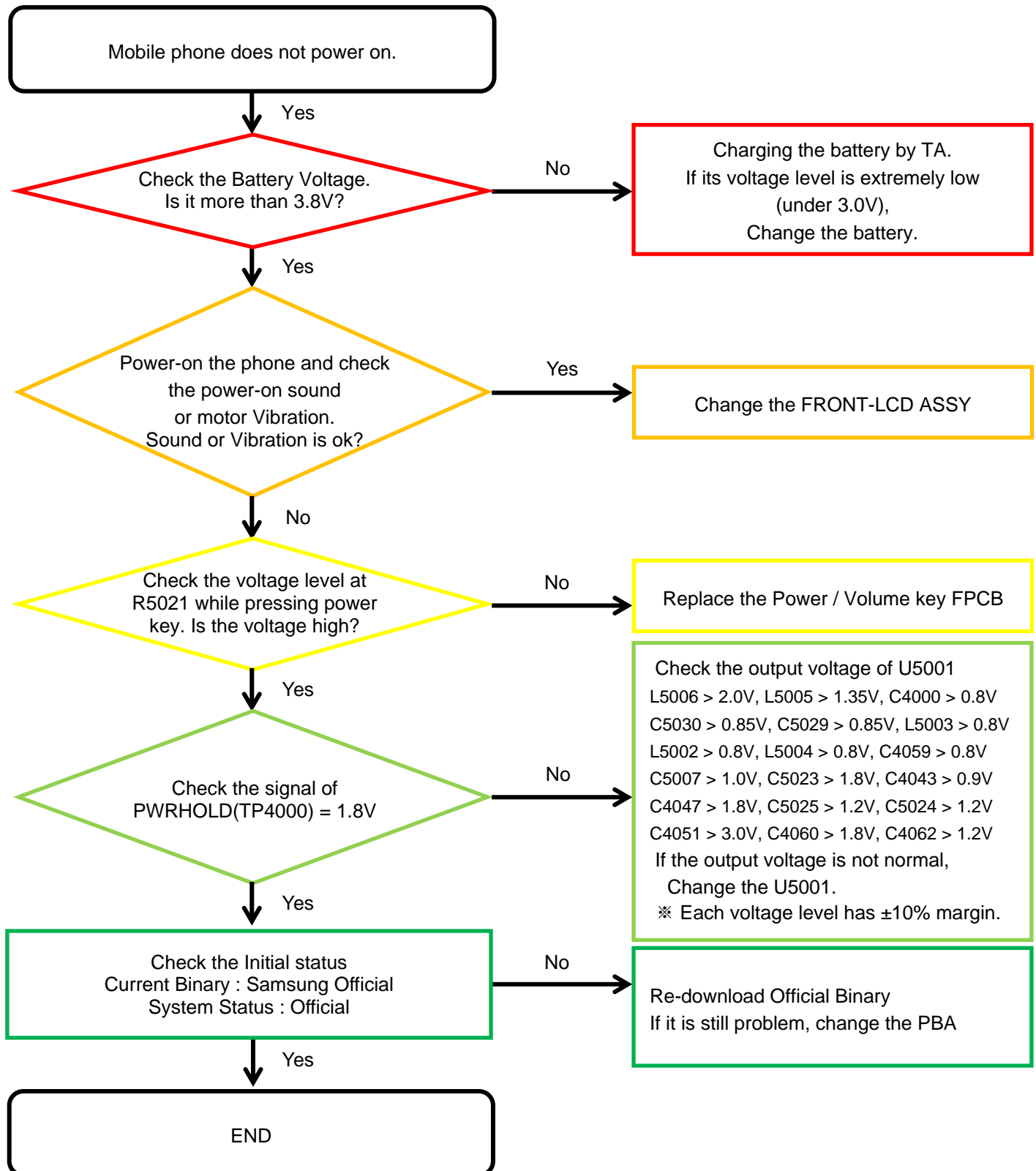
8960 & Spectrum Analyzer



Soldering iron

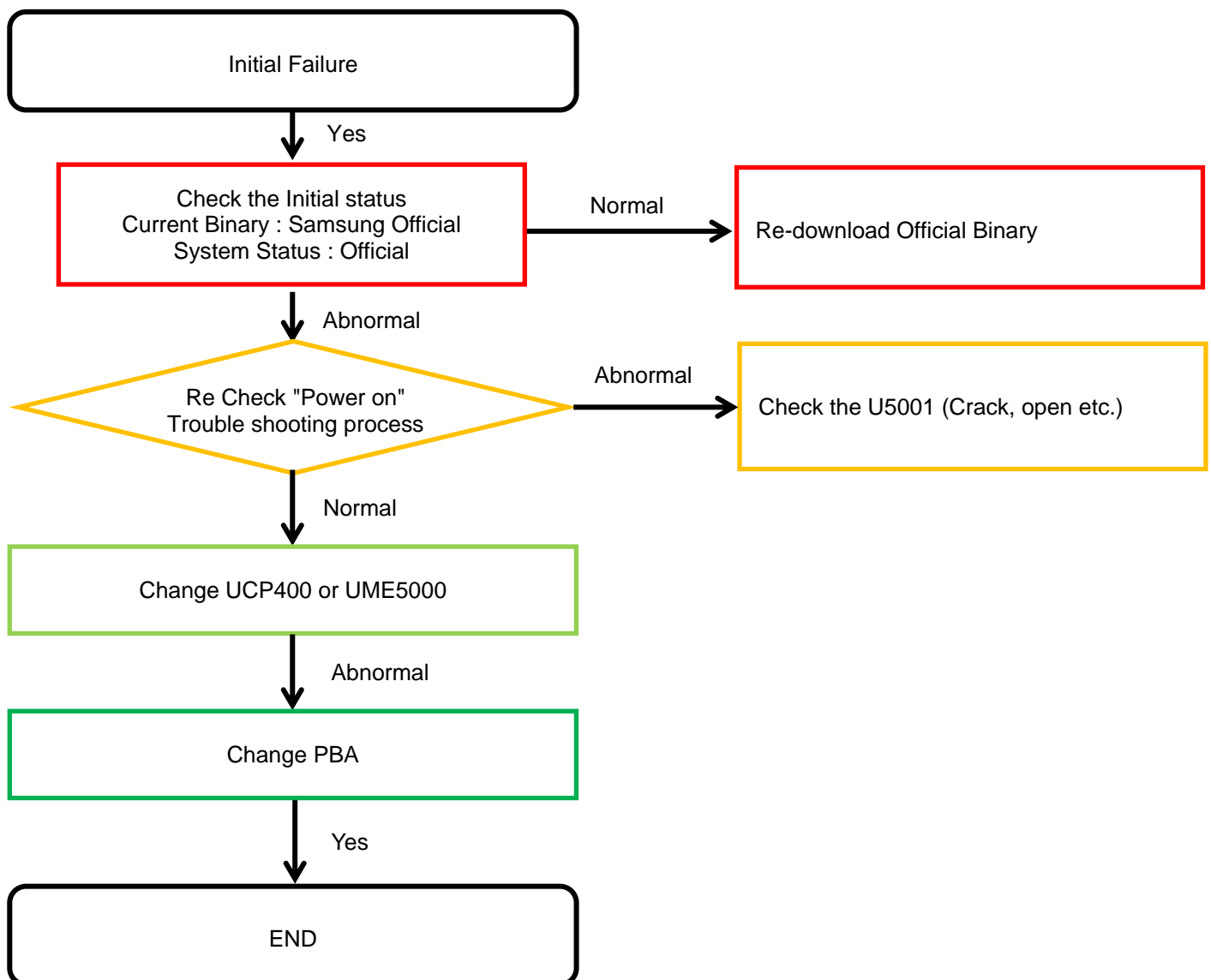
8. Level 3 Repair

8-4-1. Power On



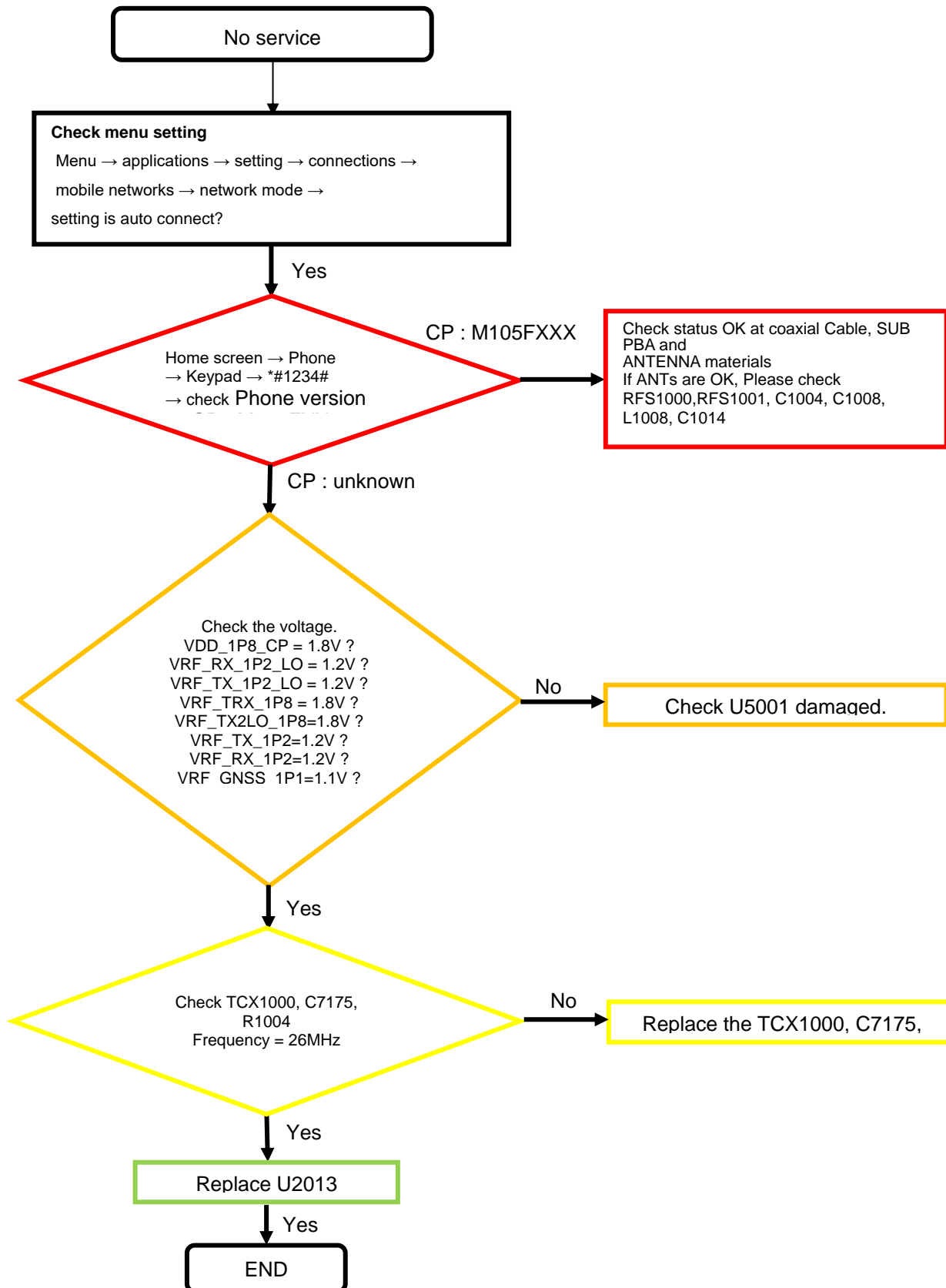
8. Level 3 Repair

8-4-2. Initial



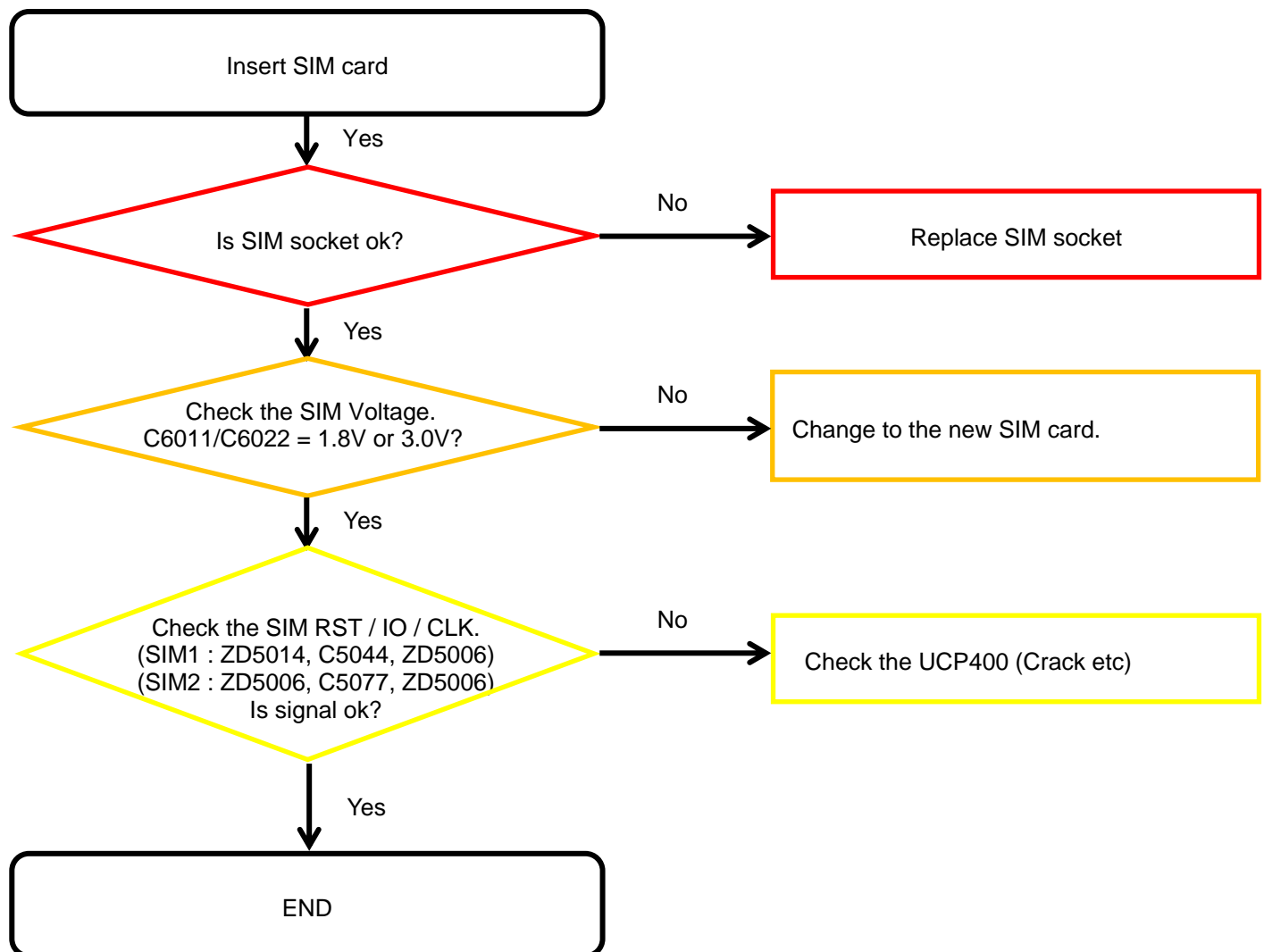
8. Level 3 Repair

8-4-3. No Service



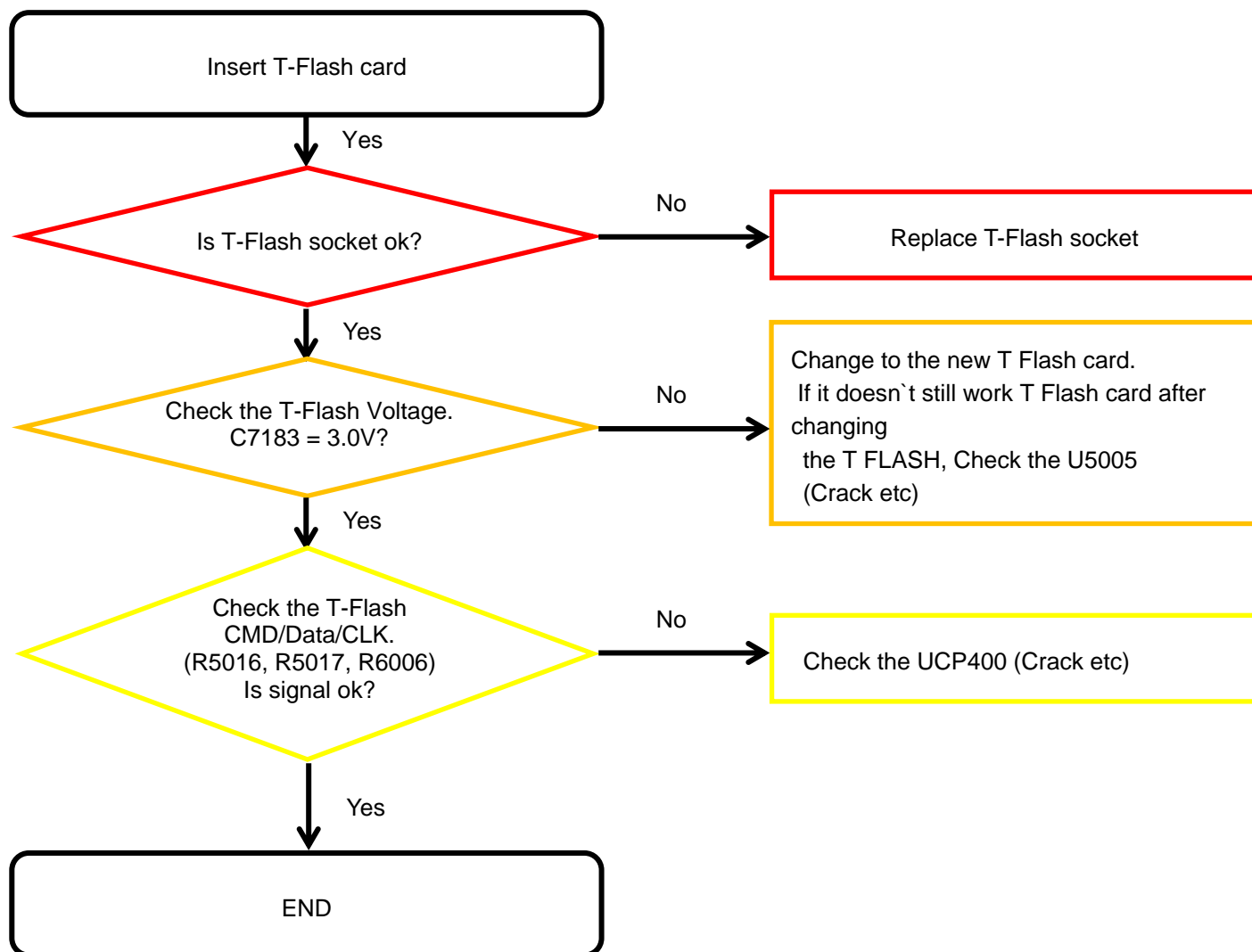
8. Level 3 Repair

8-4-4. SIM Part



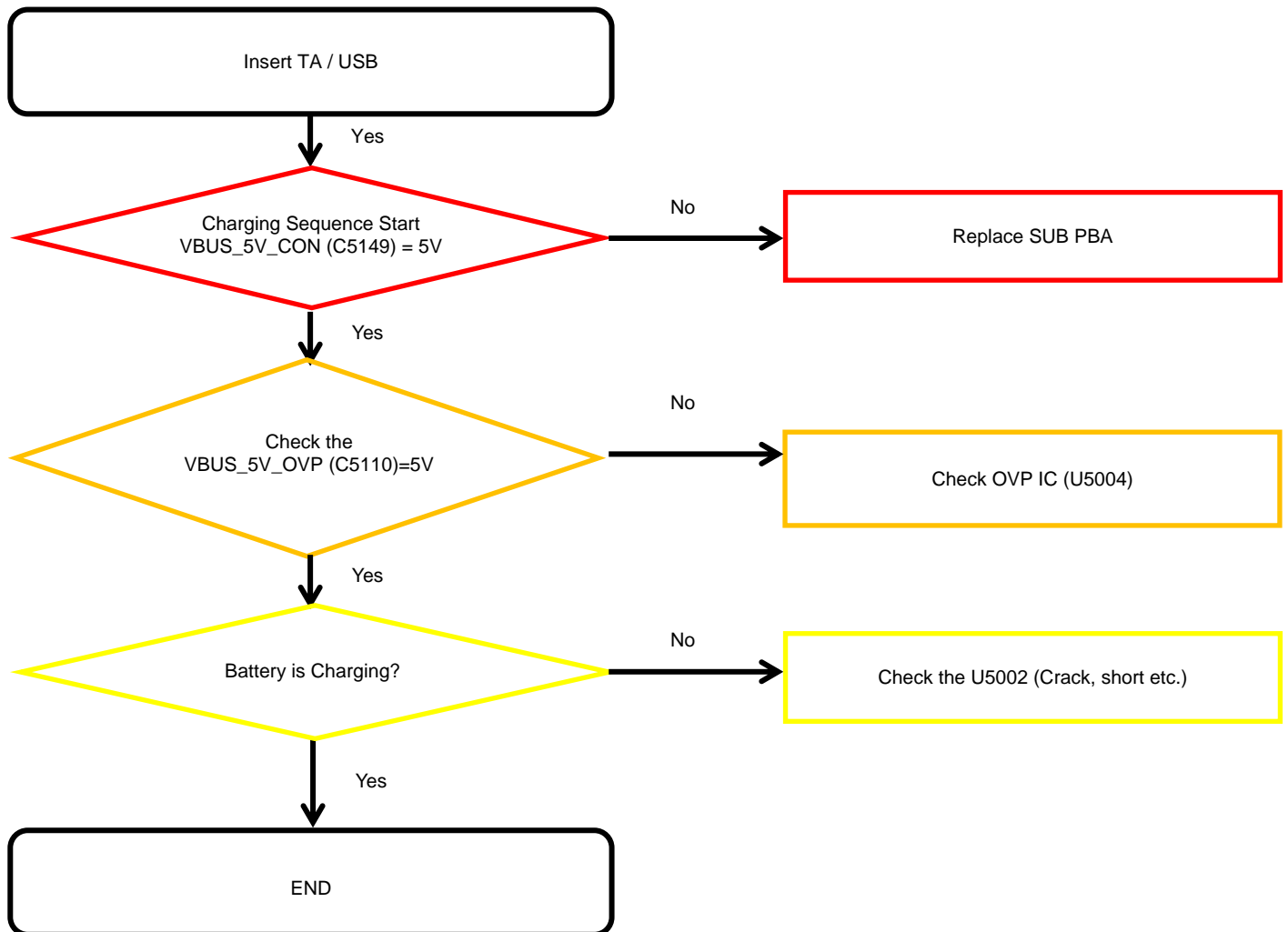
8. Level 3 Repair

8-4-5. T-Flash Part



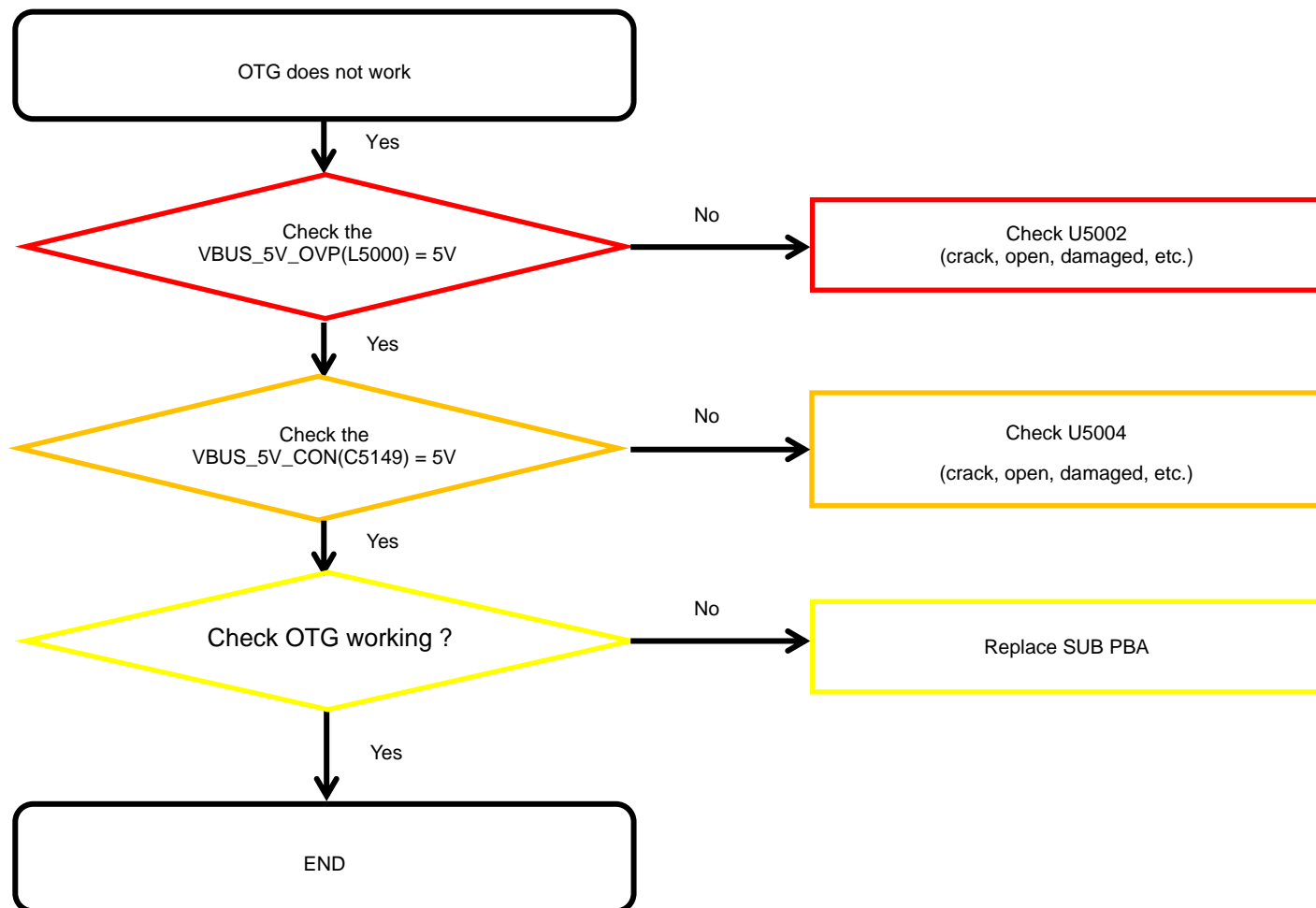
8. Level 3 Repair

8-4-6. Charging Part



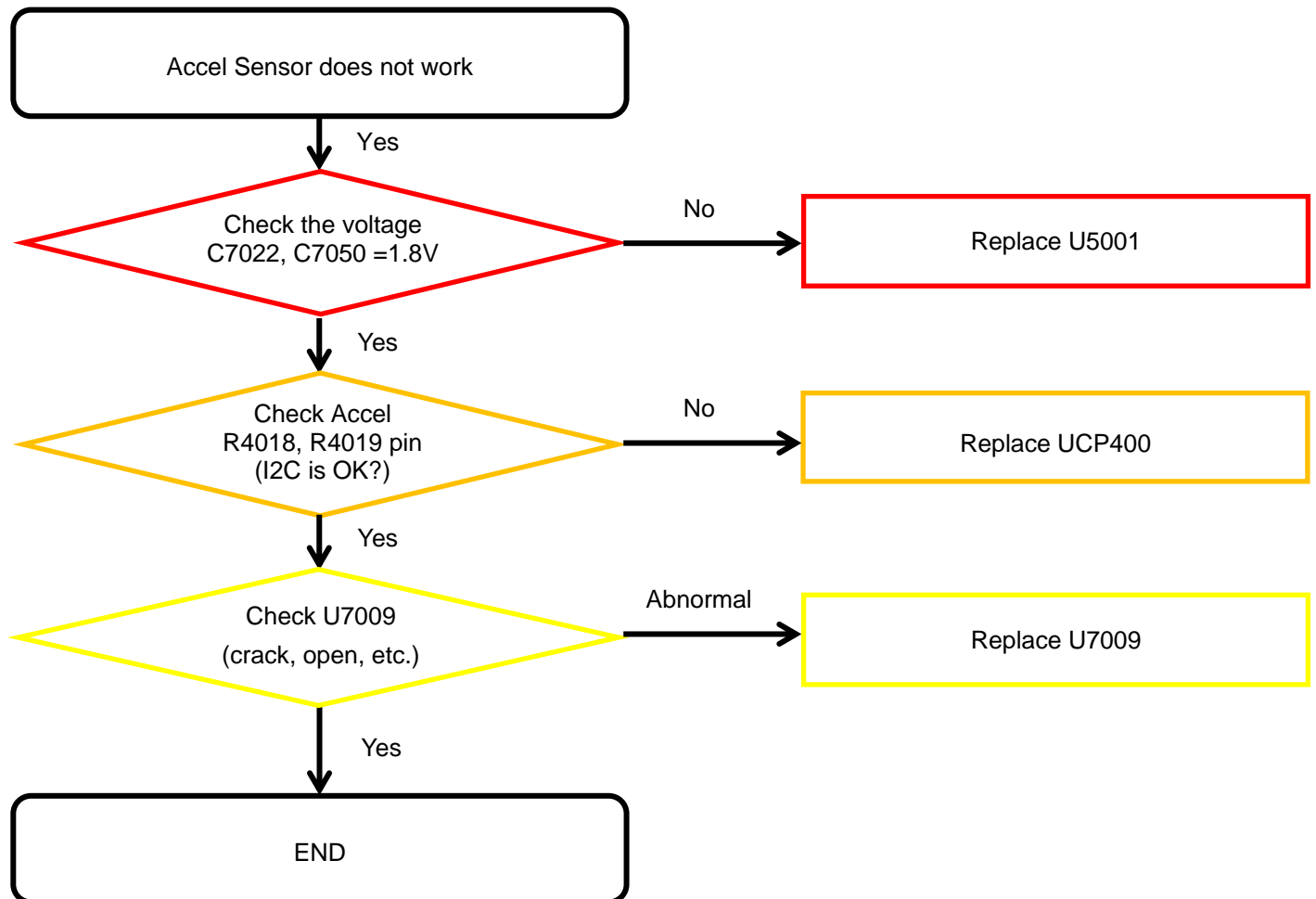
8. Level 3 Repair

8-4-7. OTG



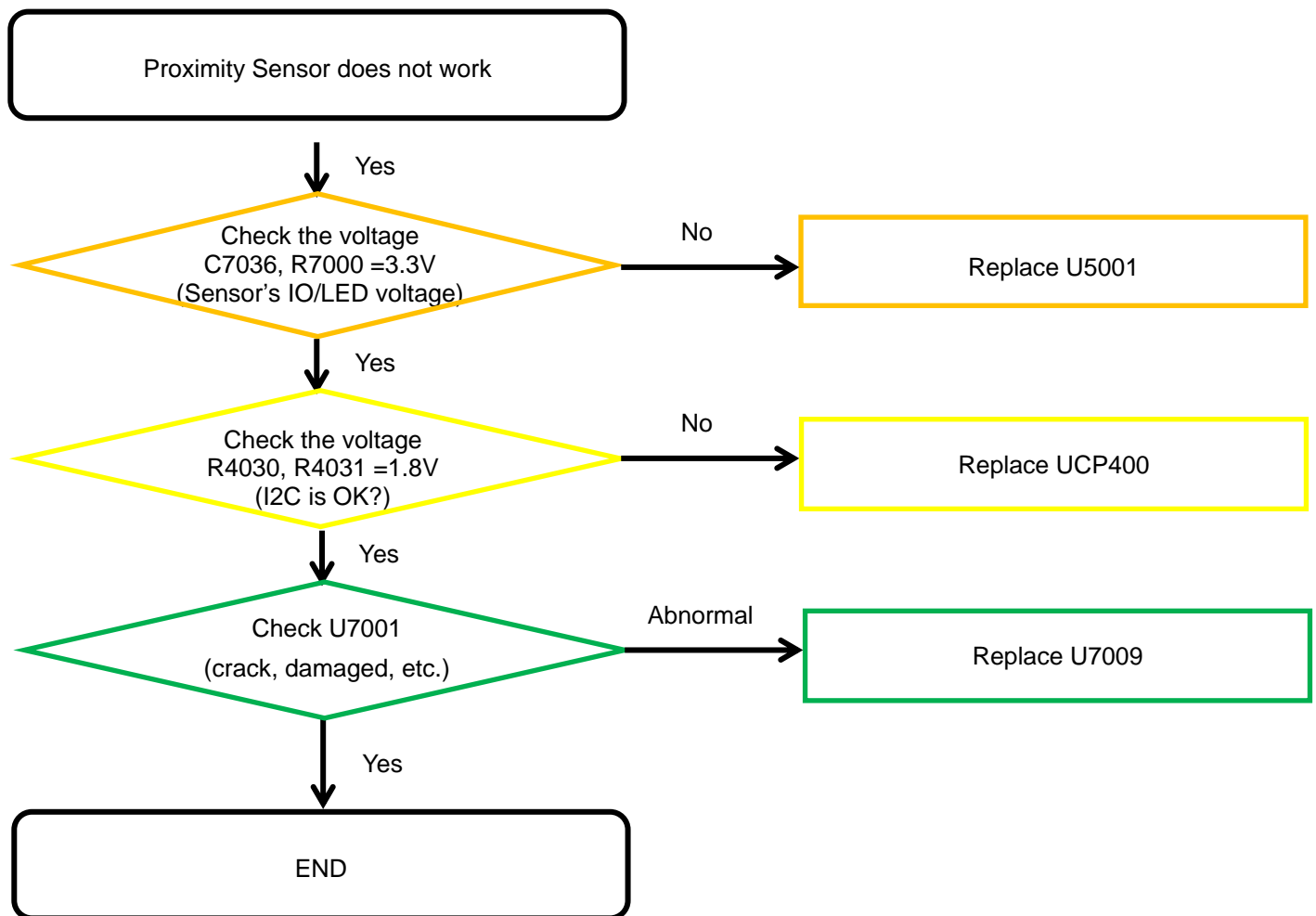
8. Level 3 Repair

8-4-8-1. Accel Sensor



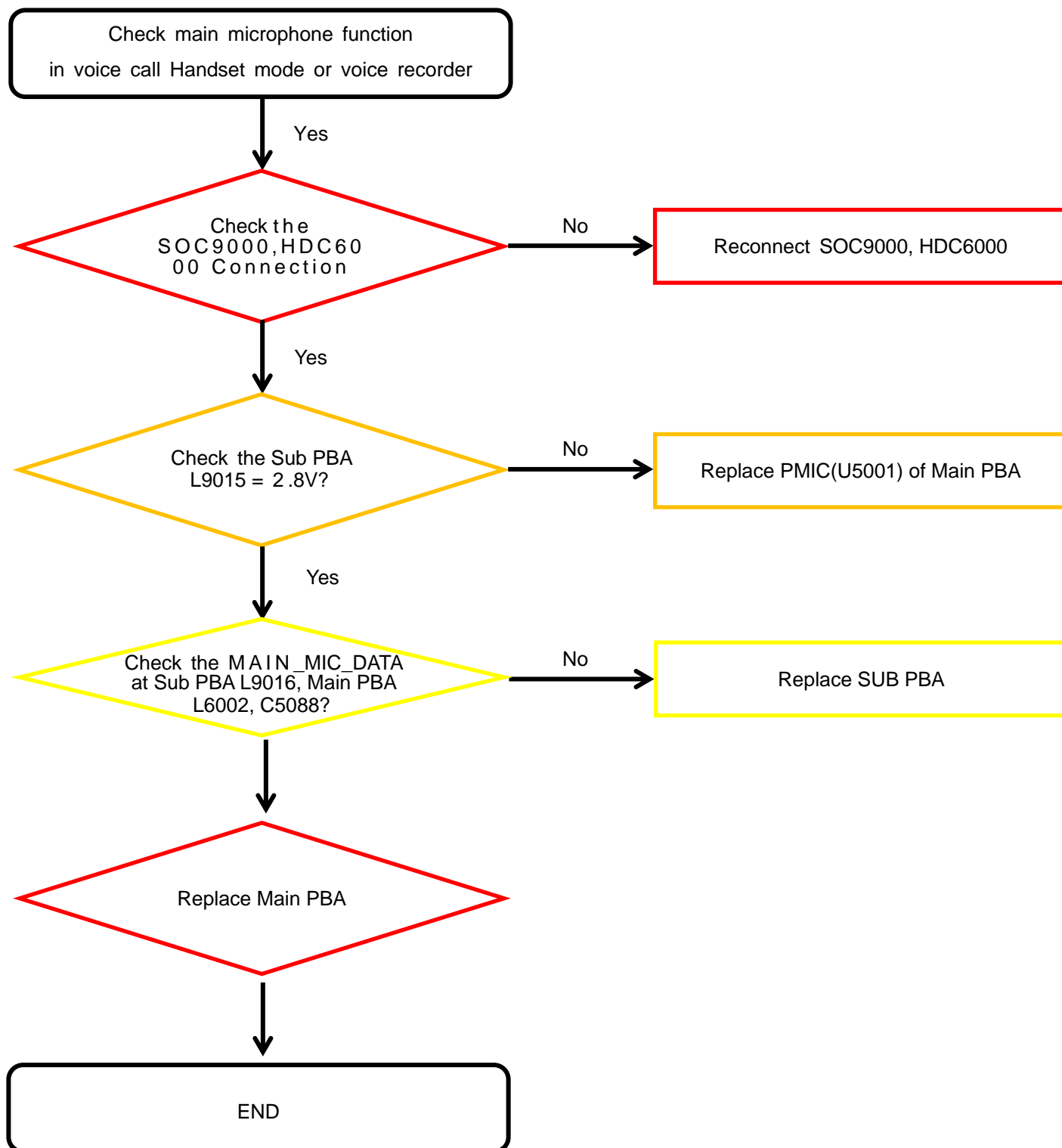
8. Level 3 Repair

8-4-8-2. Proximity Sensor



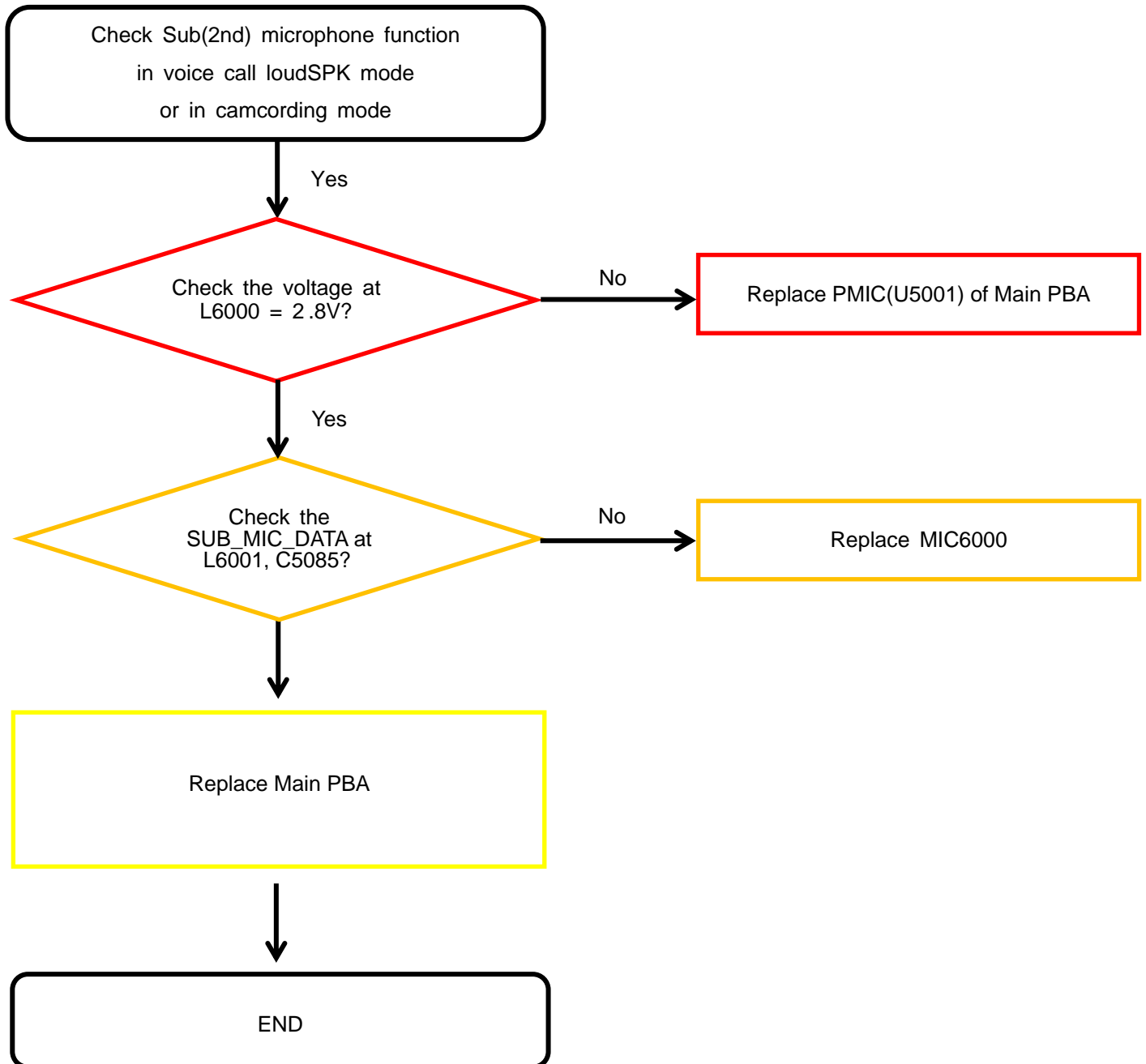
8. Level 3 Repair

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



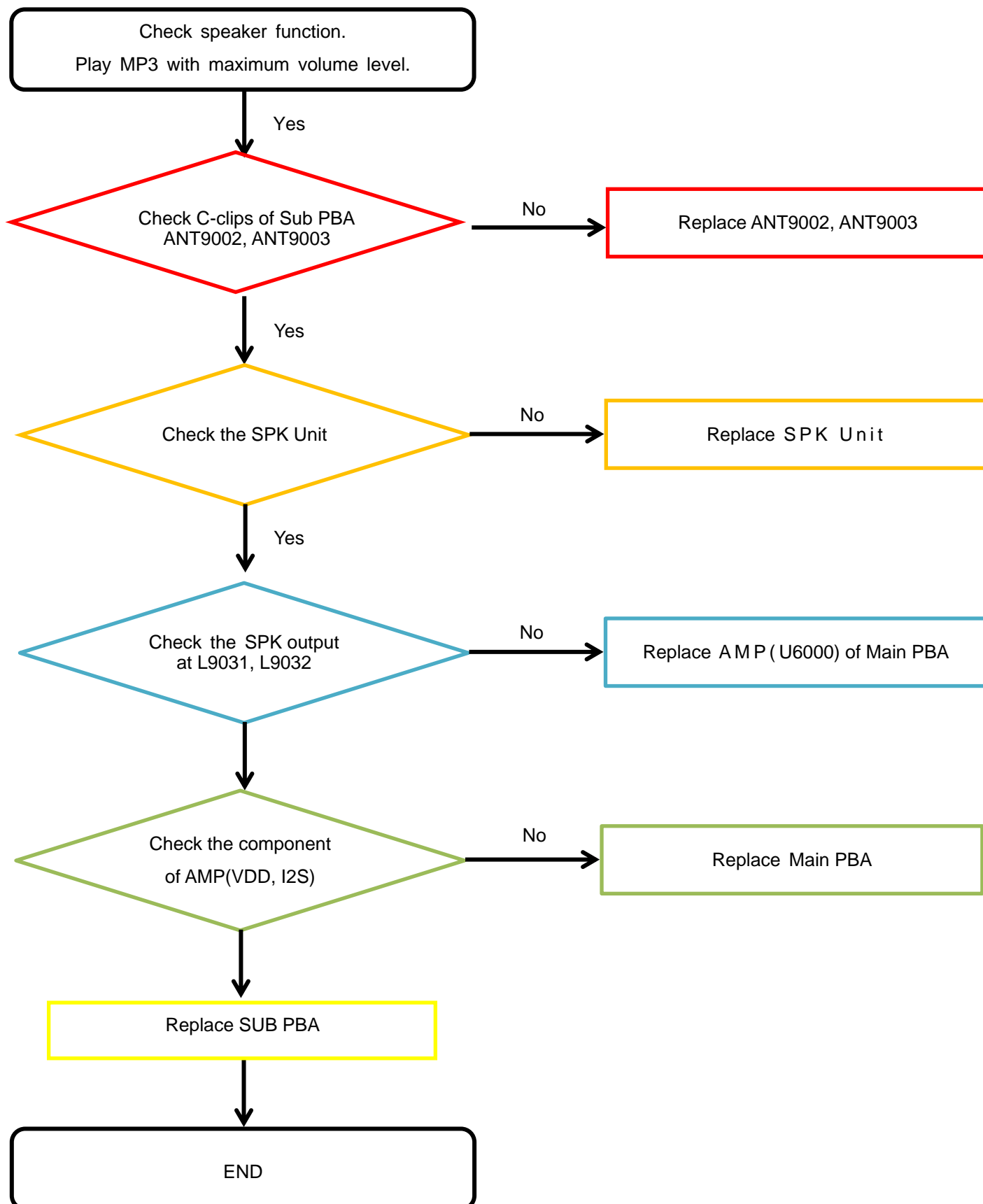
8. Level 3 Repair

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



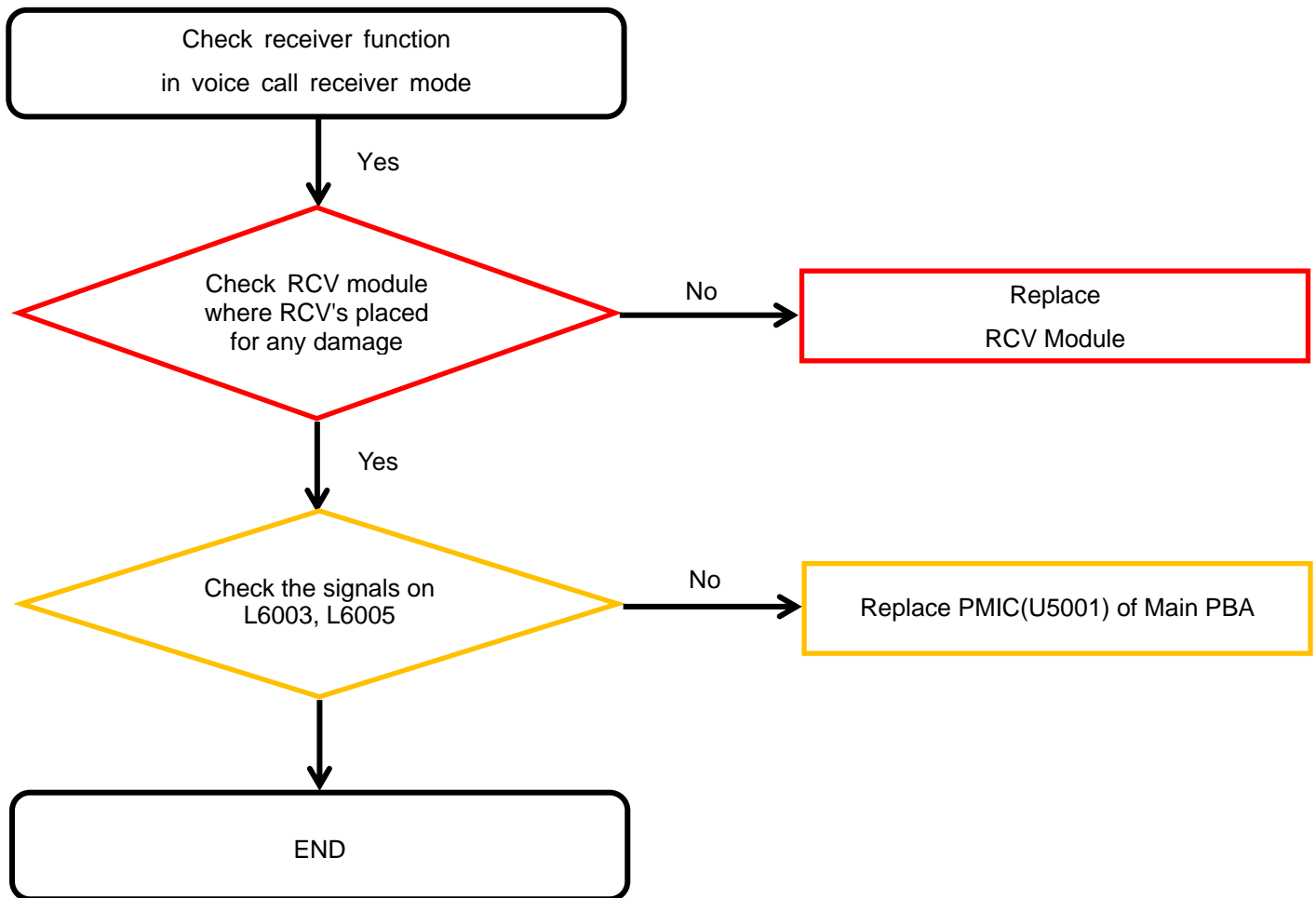
8. Level 3 Repair

8-4-10. Speaker Part



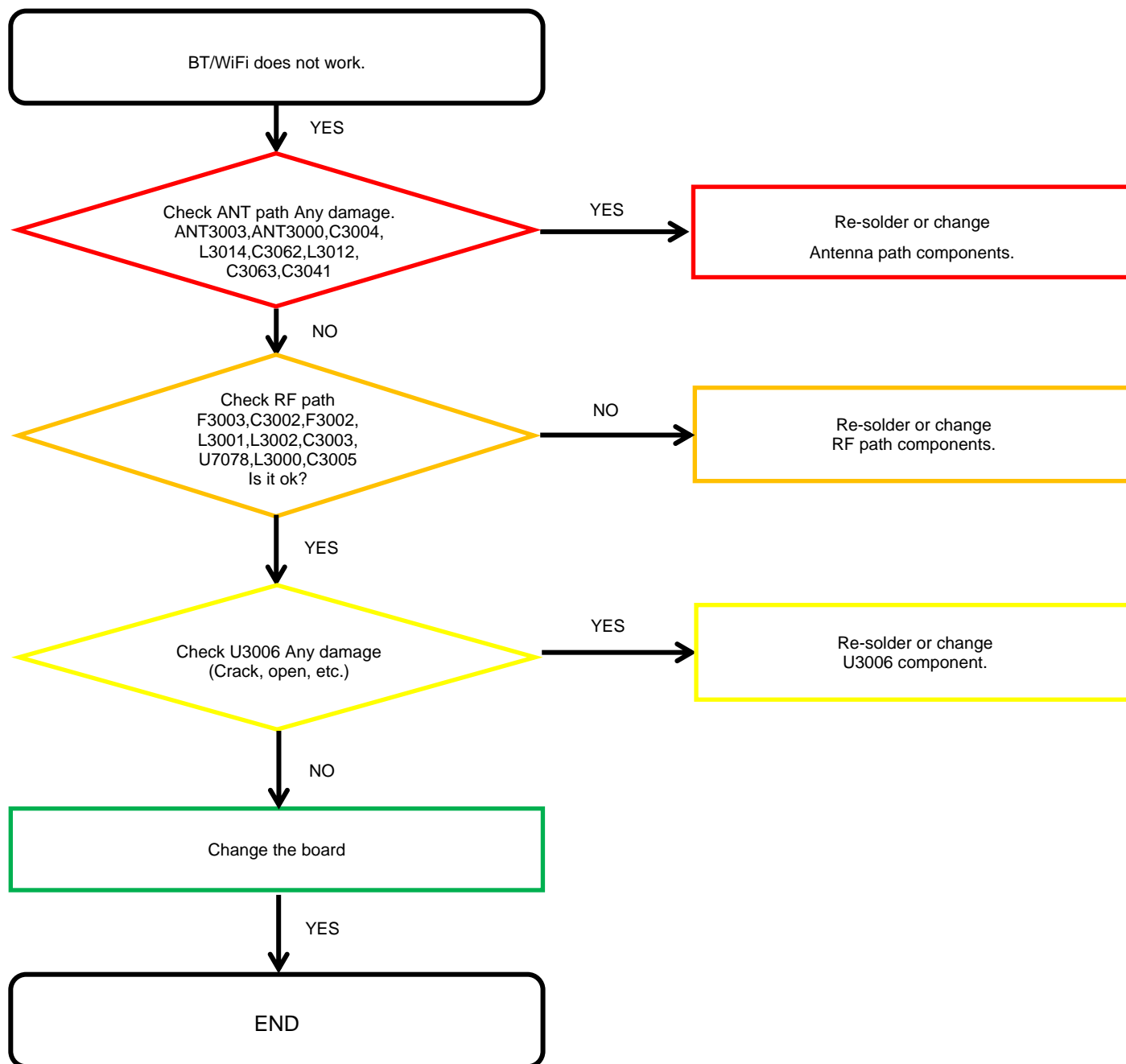
8. Level 3 Repair

8-4-11. Receiver Part



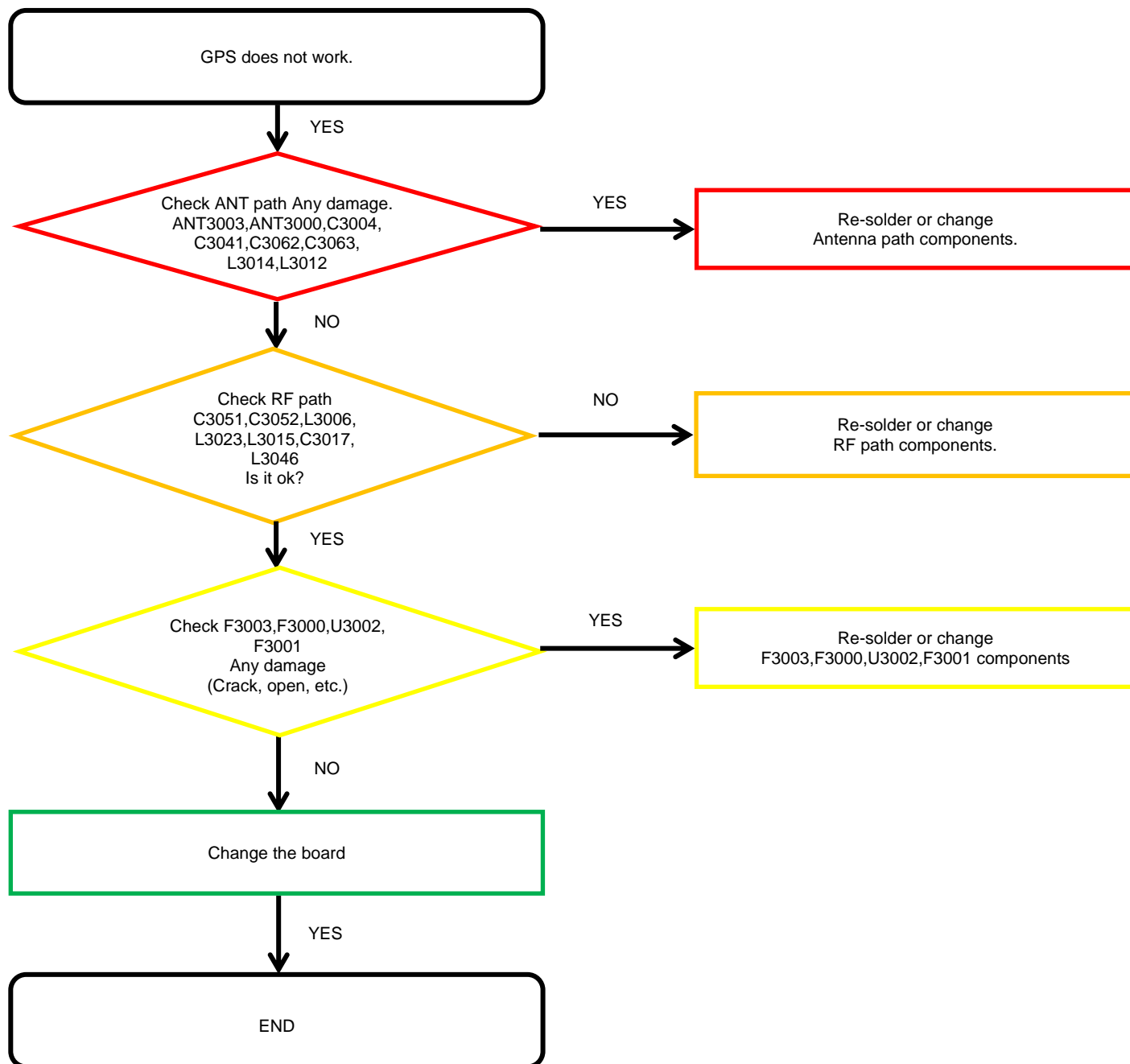
8. Level 3 Repair

8-4-12. BT/WLAN



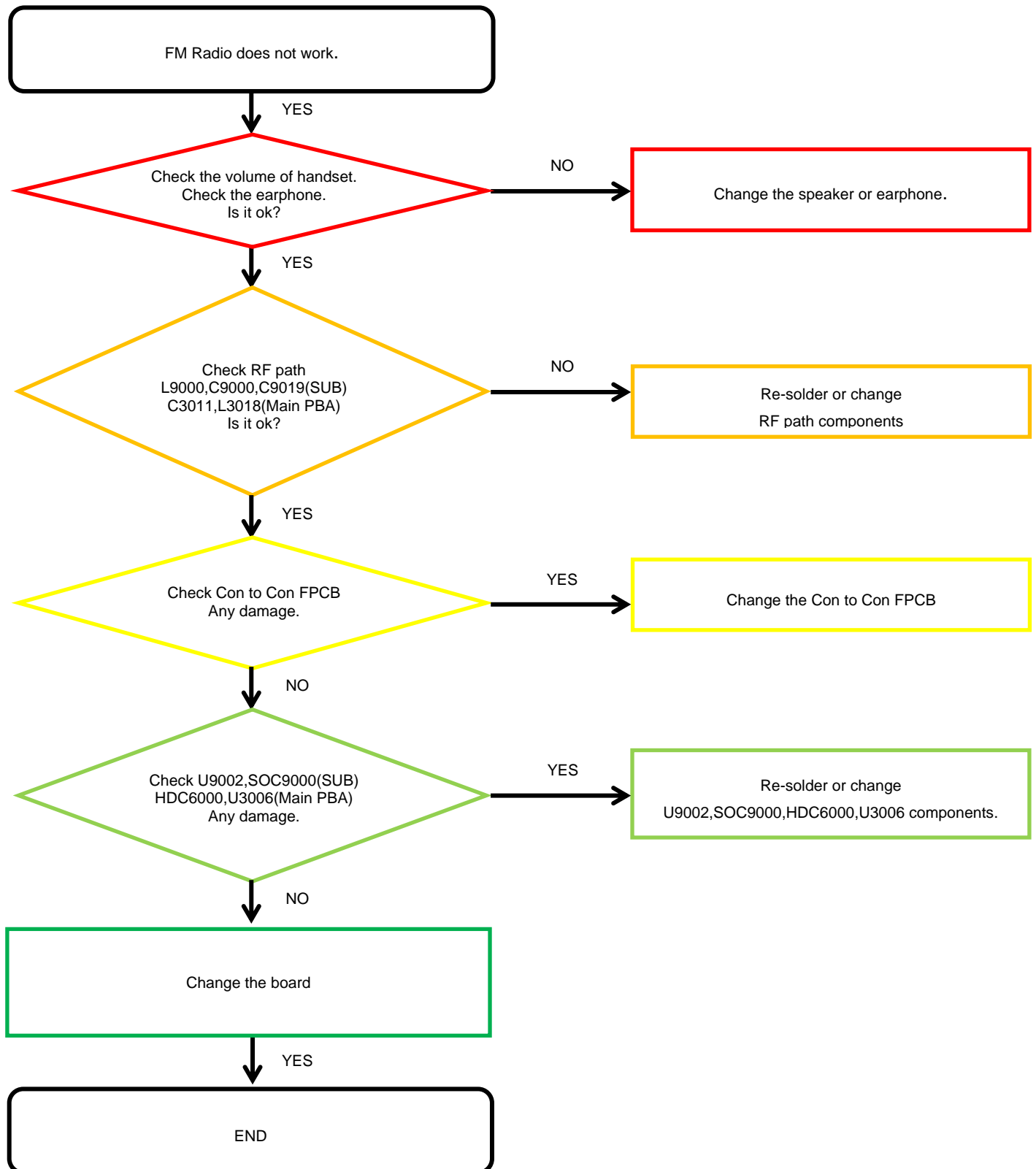
8. Level 3 Repair

8-4-13. GPS



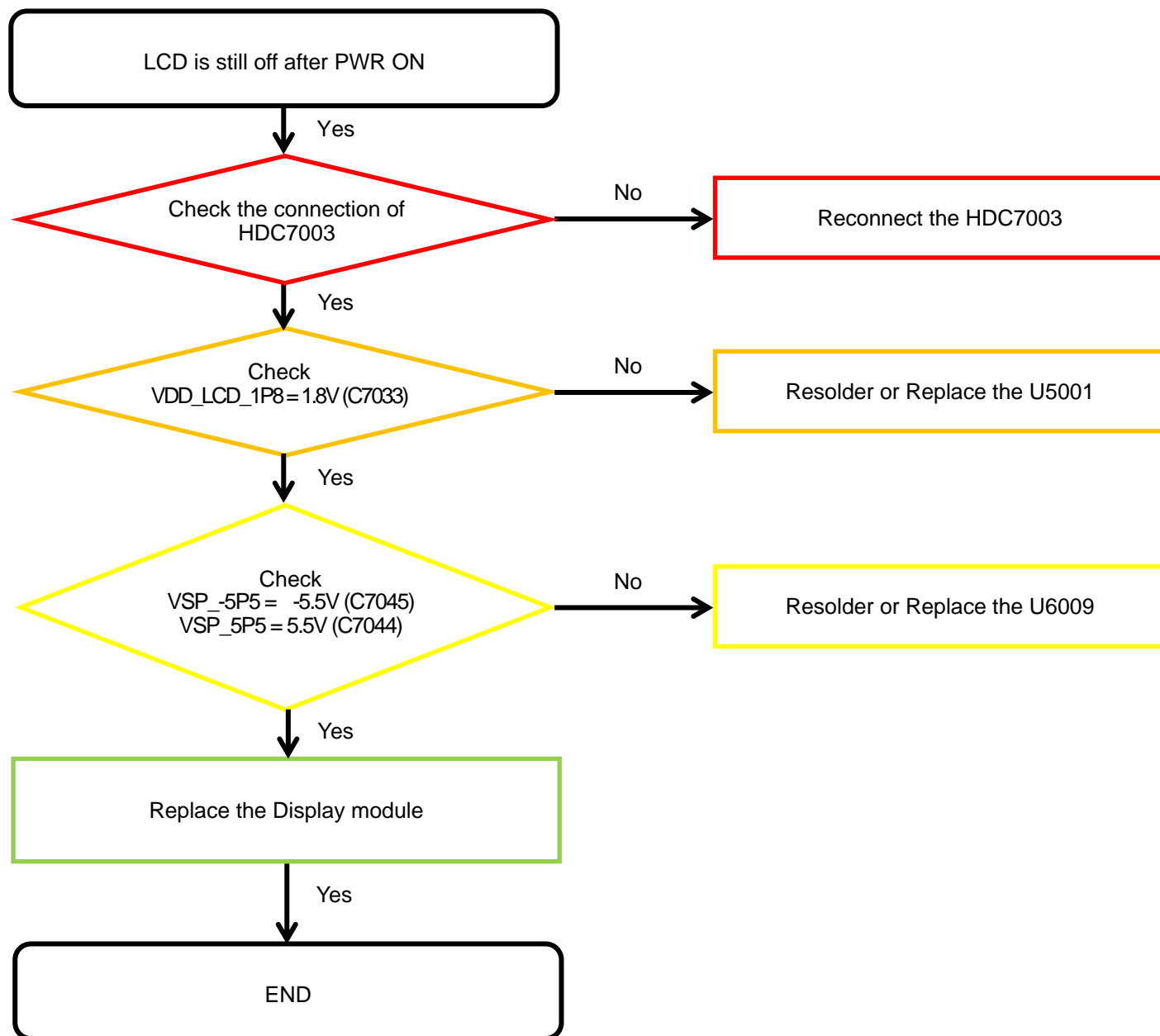
8. Level 3 Repair

8-4-14. FM Radio



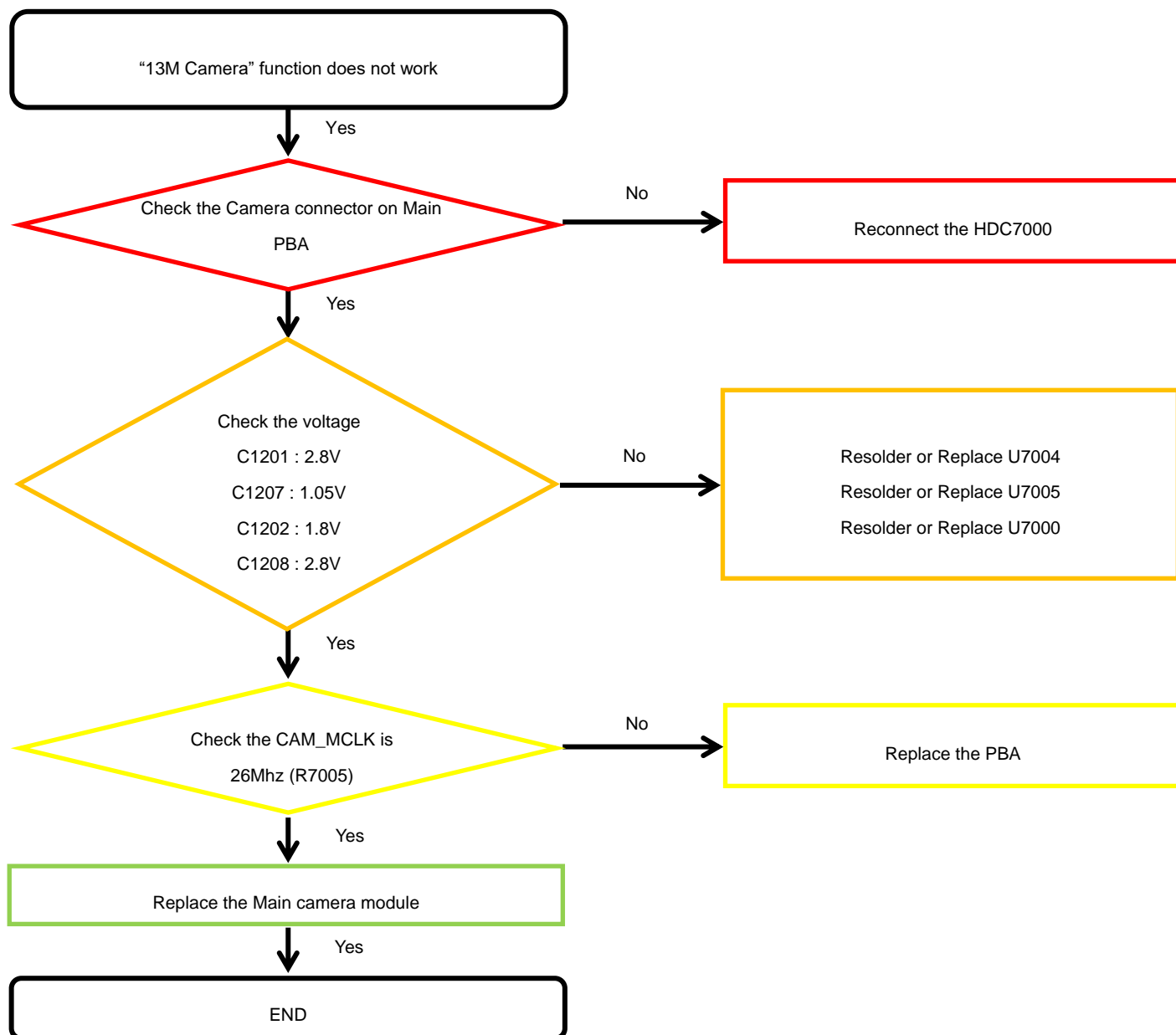
8. Level 3 Repair

8-4-15. Display



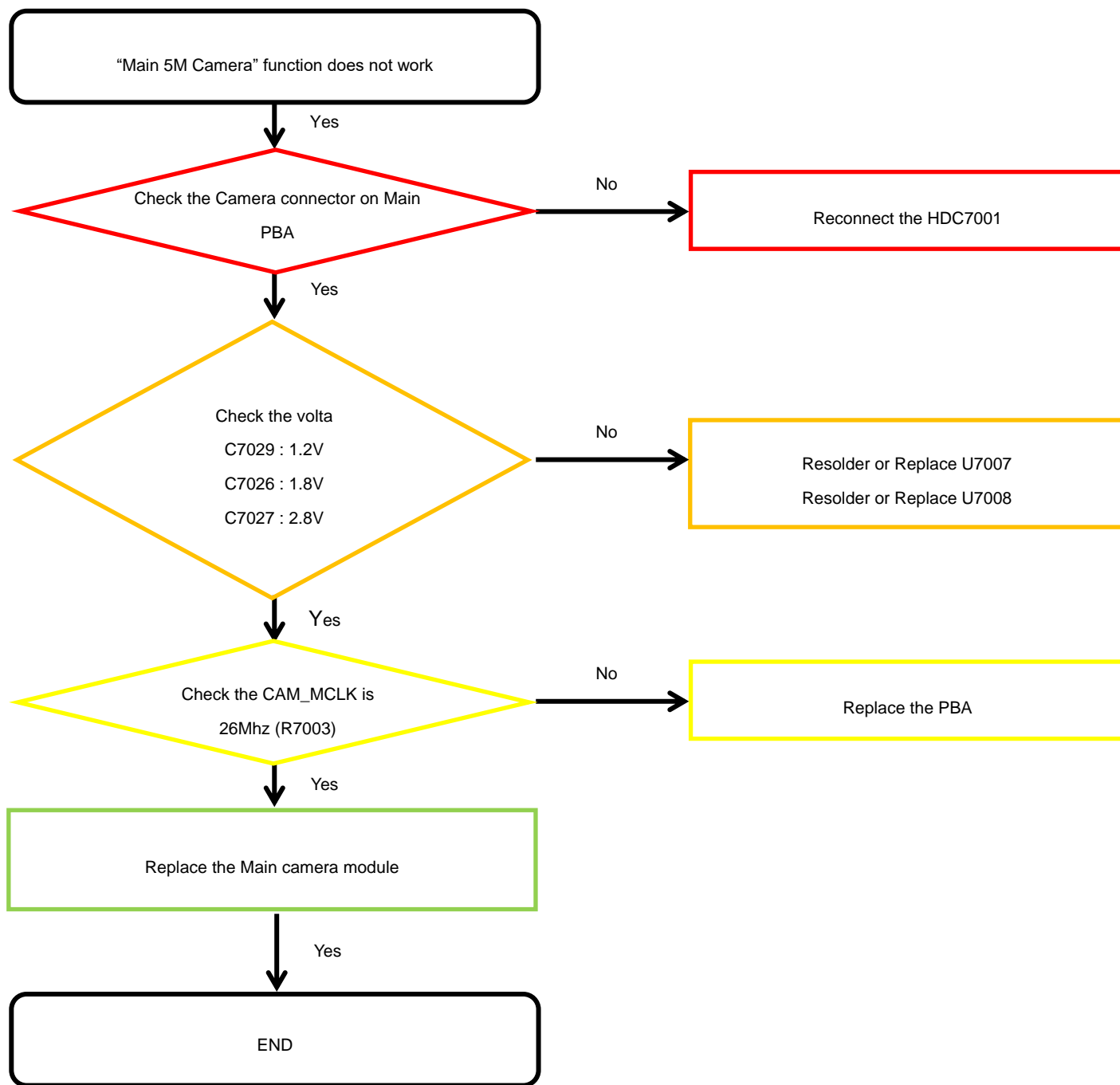
8. Level 3 Repair

8-4-16. MAIN 13M CAMERA



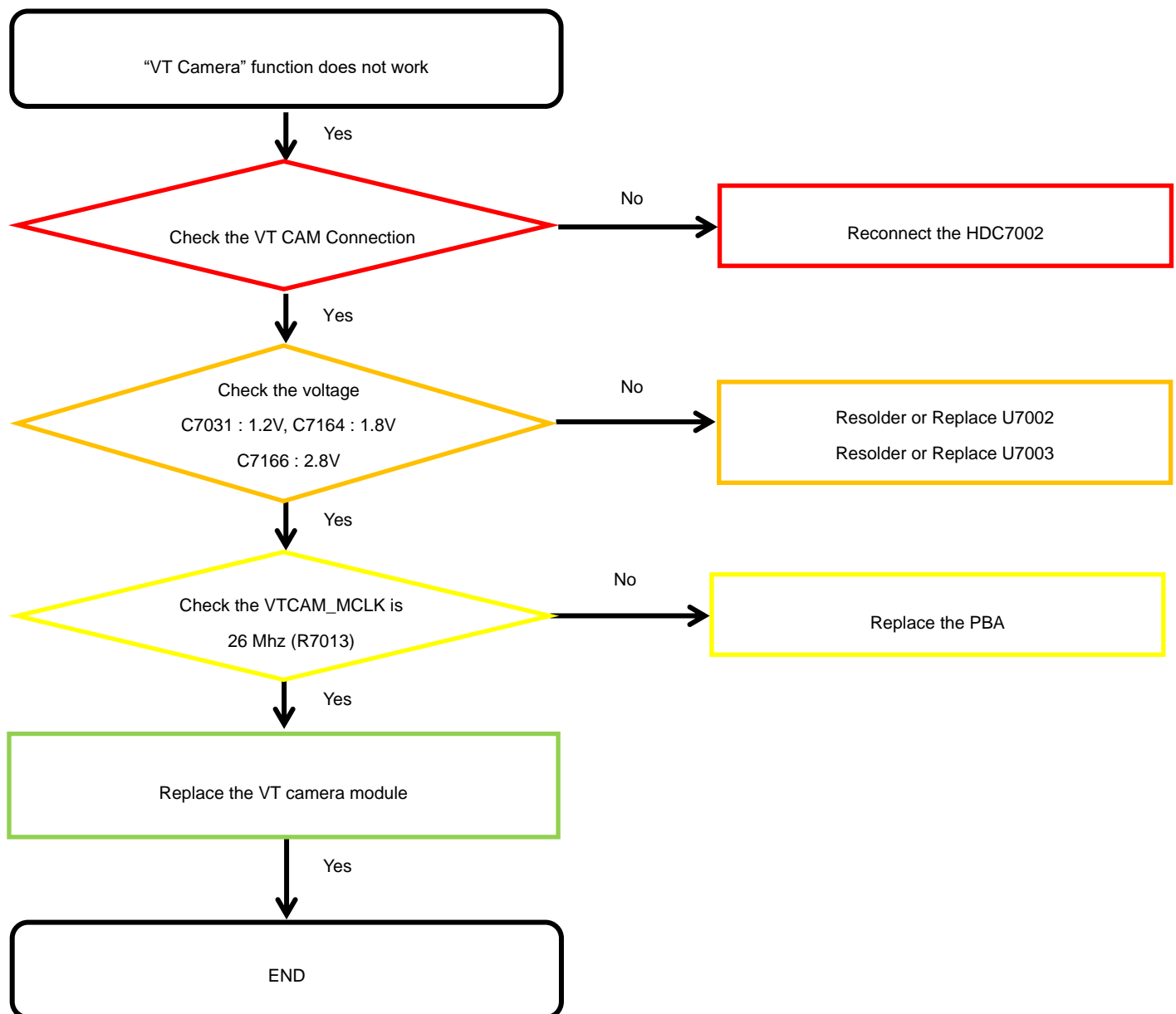
8. Level 3 Repair

8-4-17. MAIN 5M CAMERA



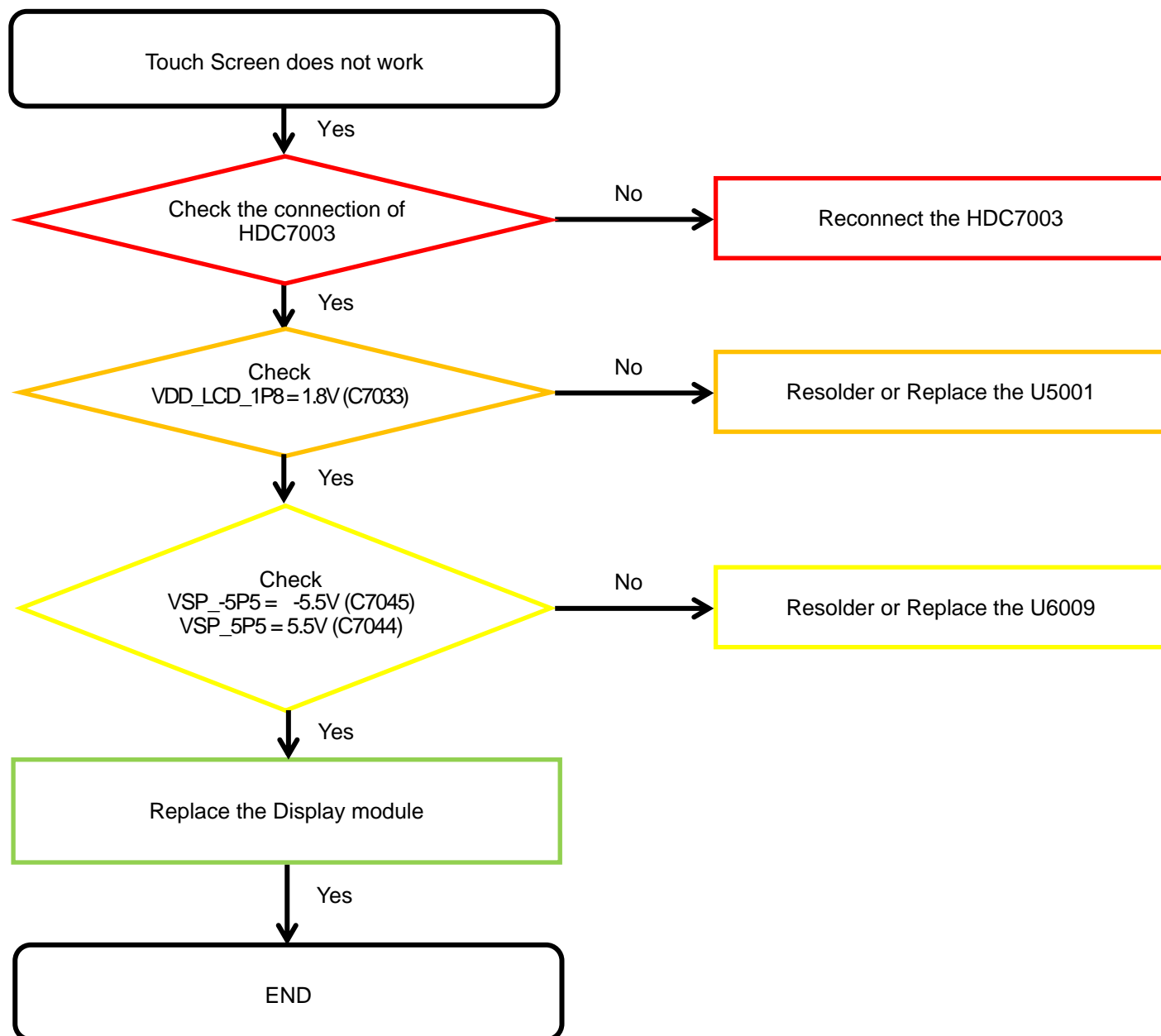
8. Level 3 Repair

8-4-18. VT 5M CAM



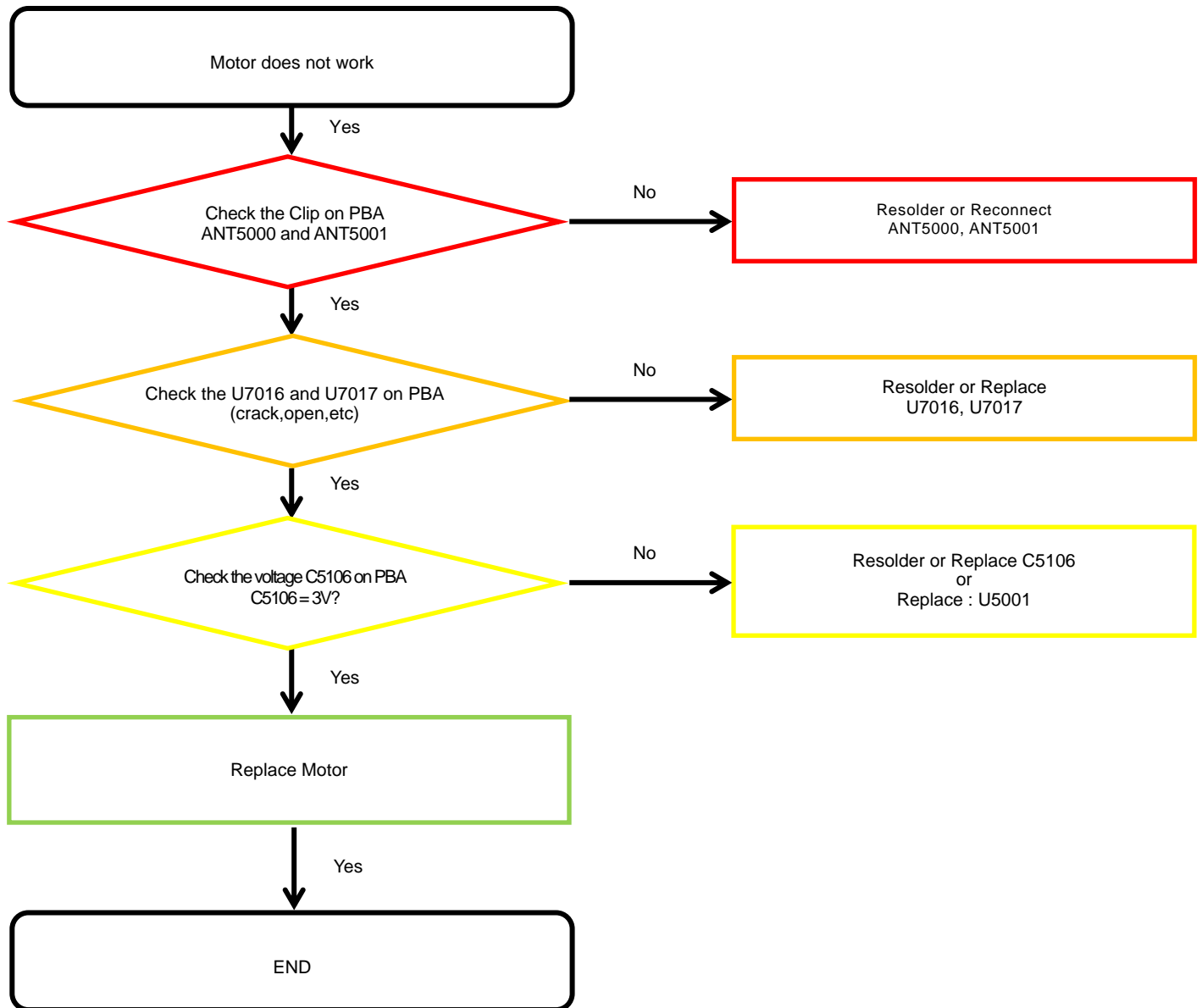
8. Level 3 Repair

8-4-19. TSP



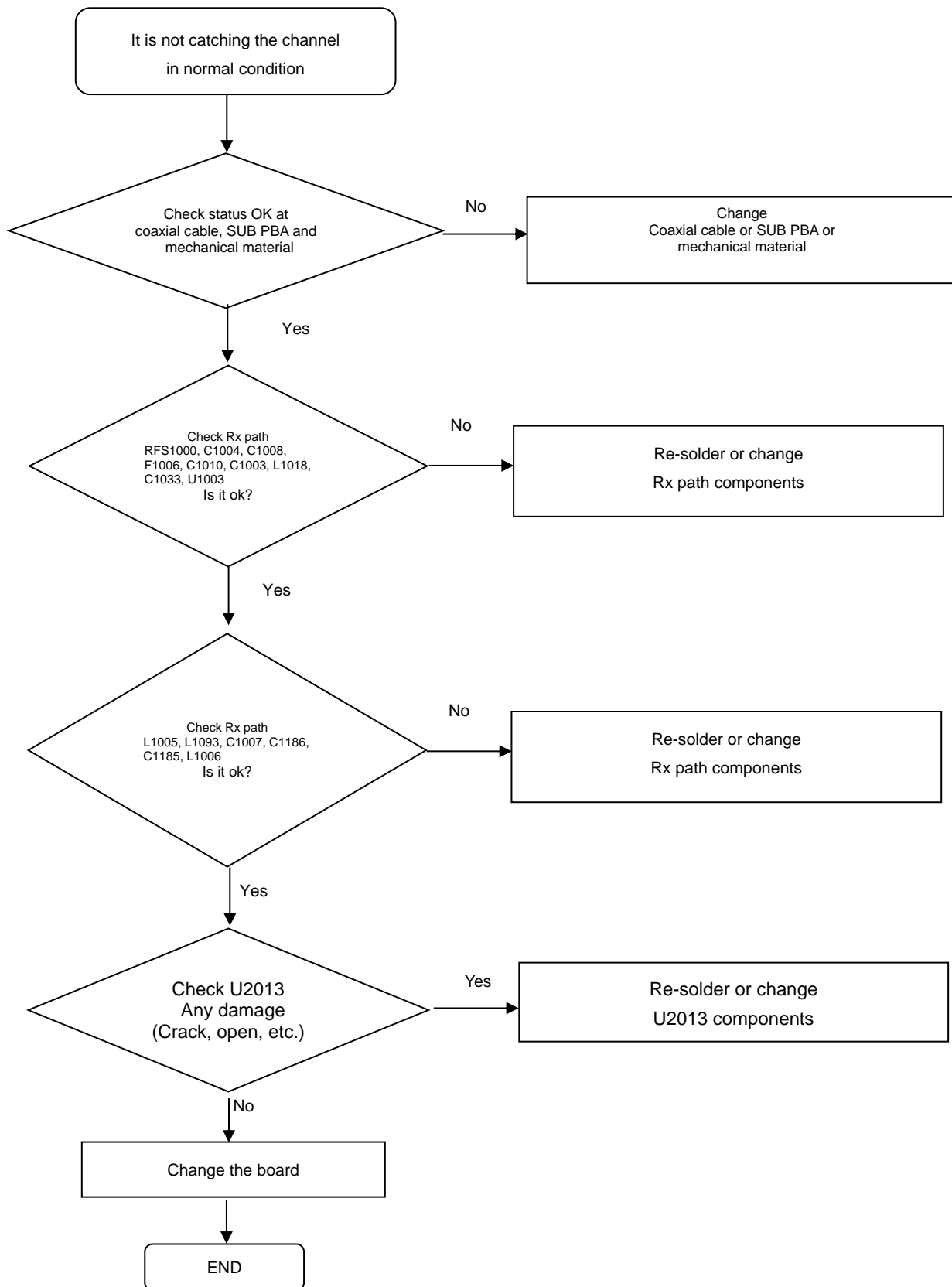
8. Level 3 Repair

8-4-20. Motor



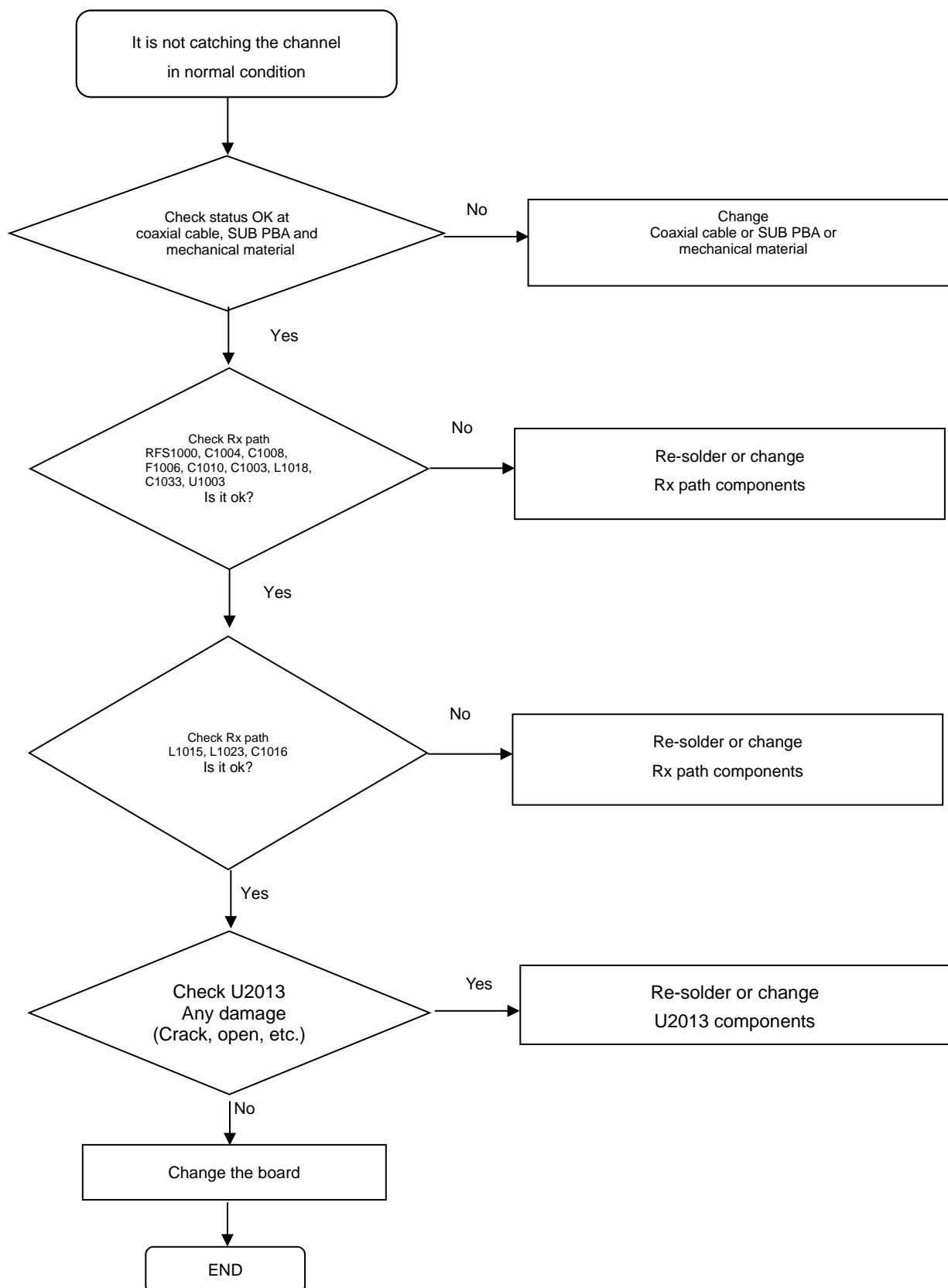
8. Level 3 Repair

8-4-21. WCDMA B1 RX



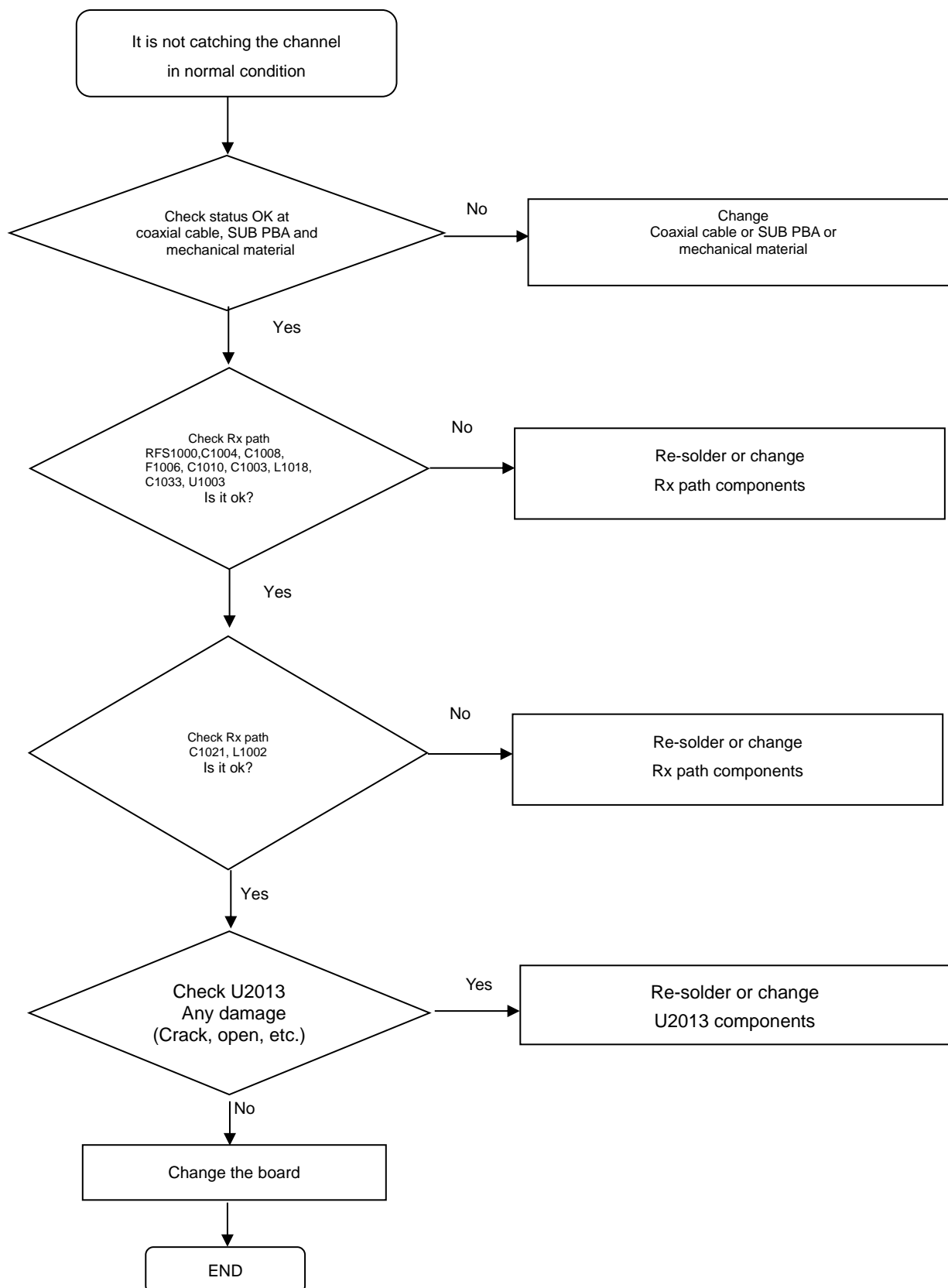
8. Level 3 Repair

8-4-22. LTE B3, GSM 1800 RX



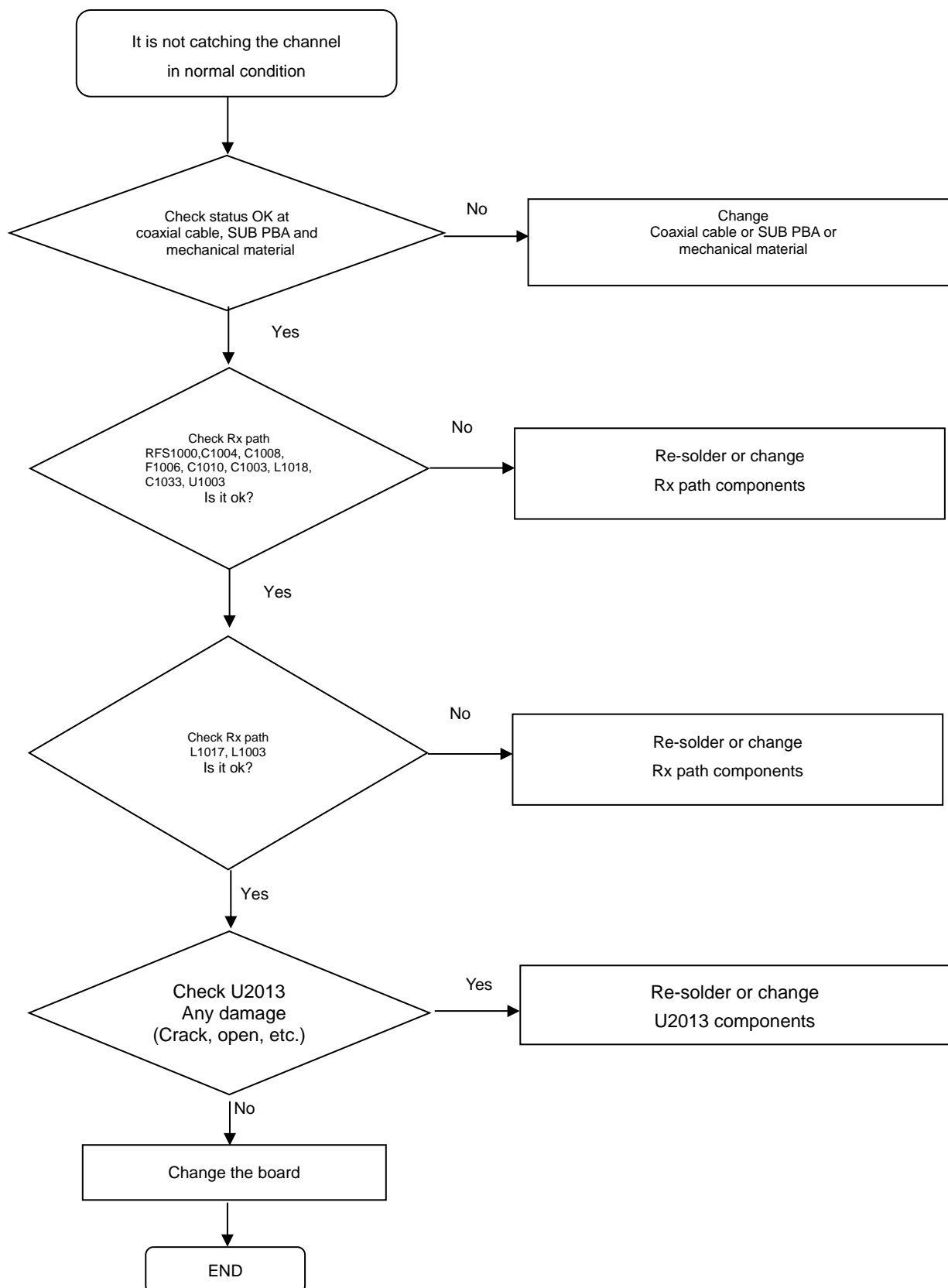
8. Level 3 Repair

8-4-23. LTE B5, WCDMA B5, GSM850 RX



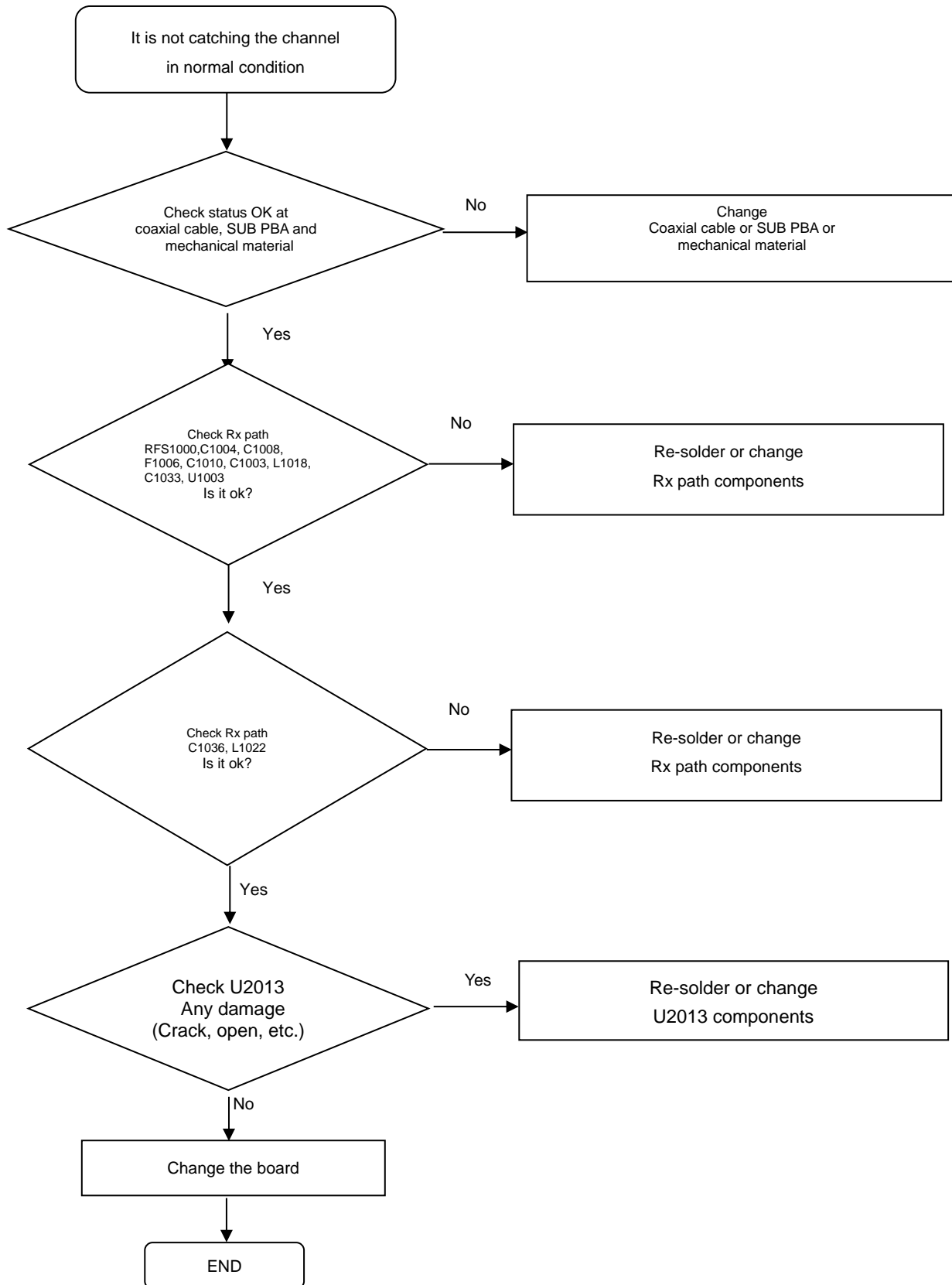
8. Level 3 Repair

8-4-24. LTE B8, WCDMA B8, GSM900 RX



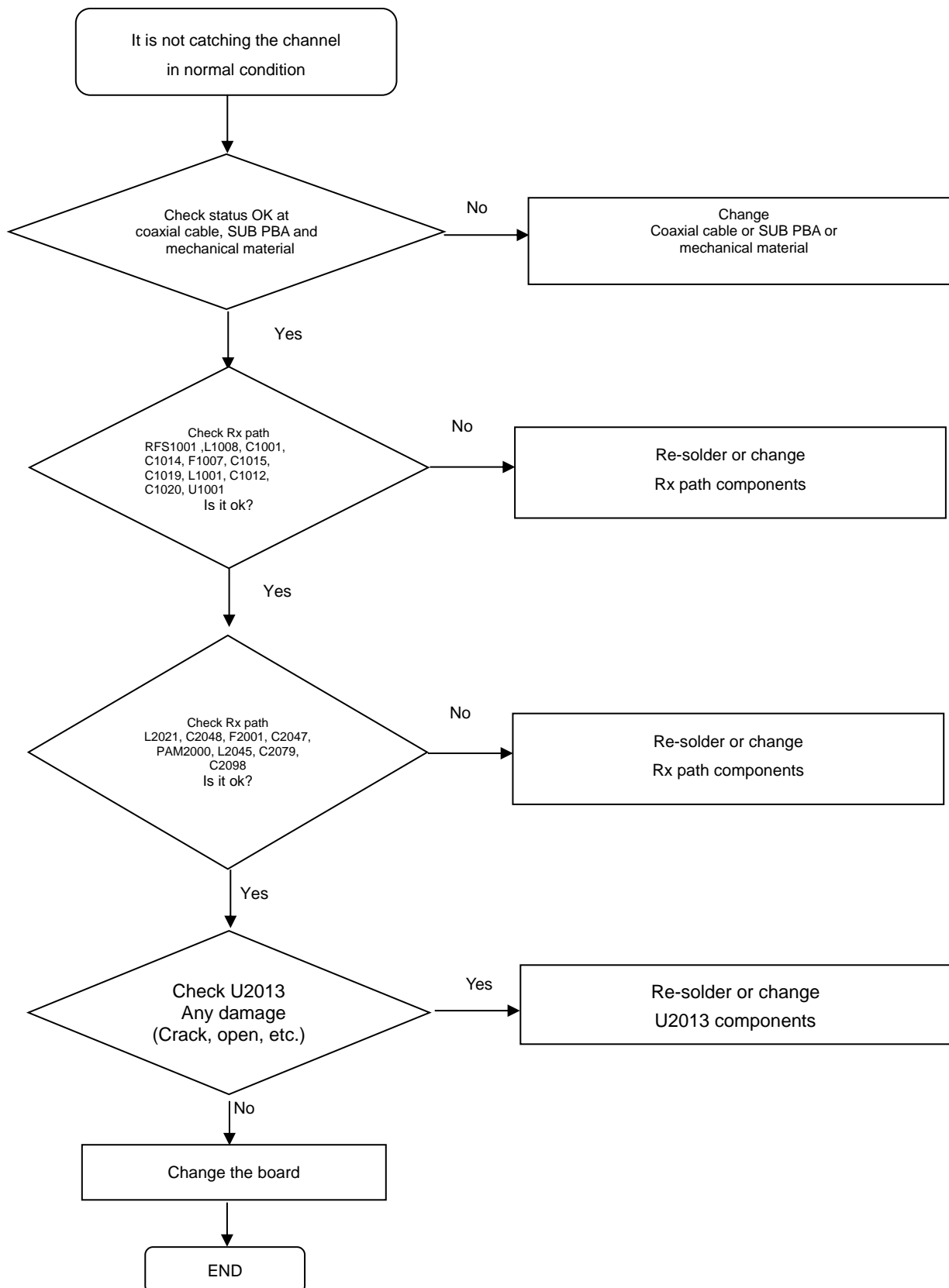
8. Level 3 Repair

8-4-25. LTE B20 RX



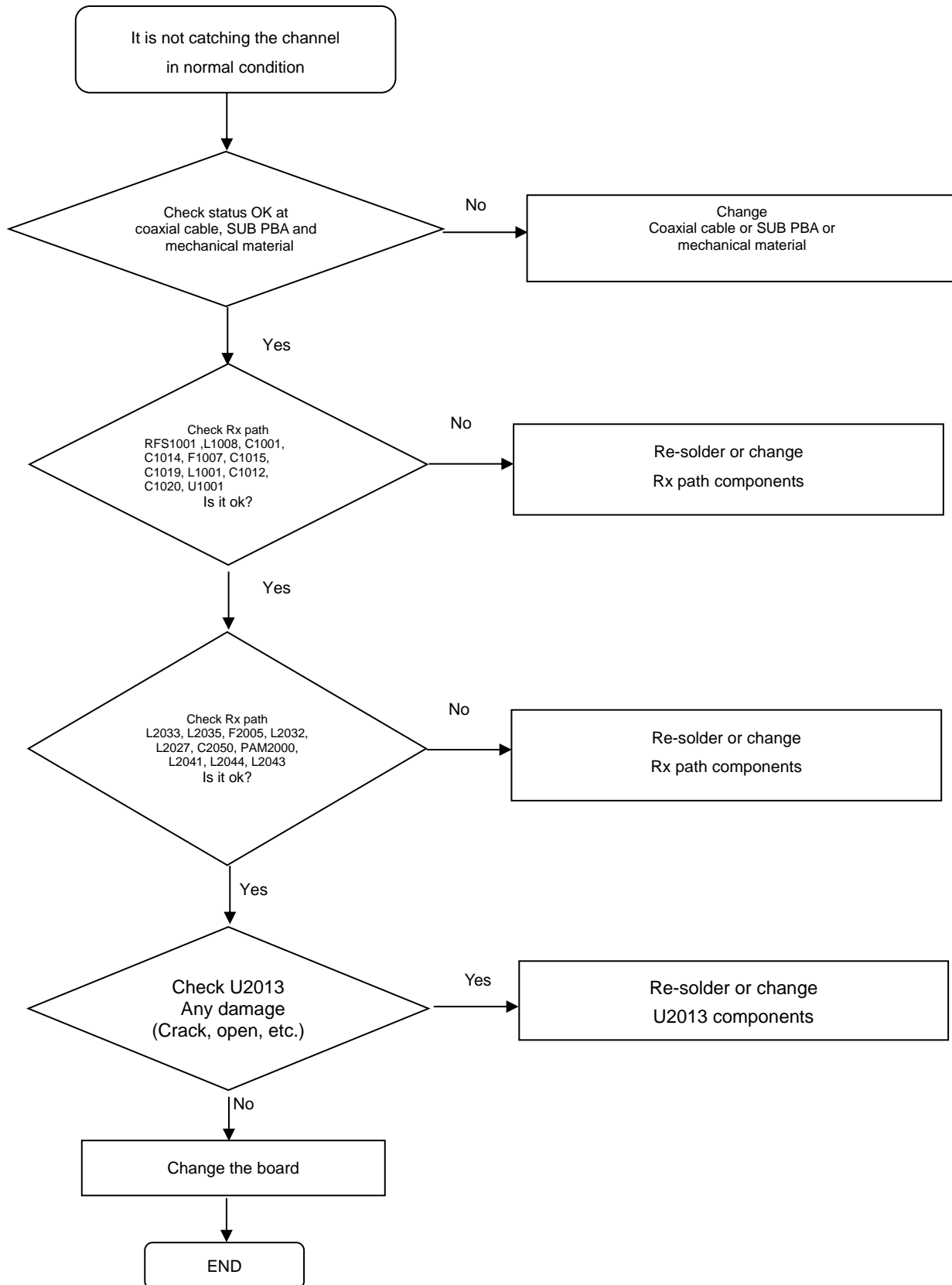
8. Level 3 Repair

8-4-26. LTE B38, B41 RX



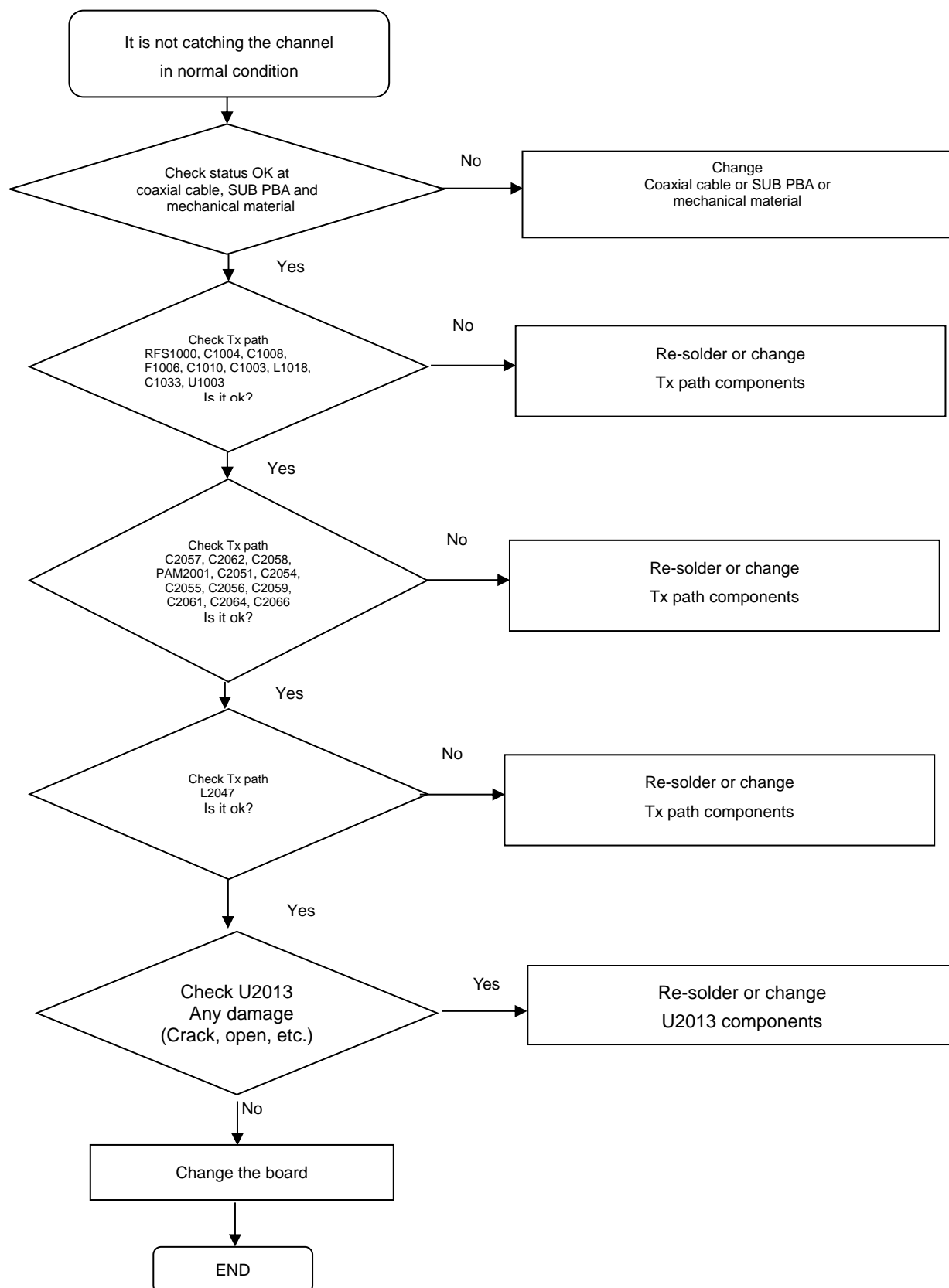
8. Level 3 Repair

8-4-27. LTE B40 RX



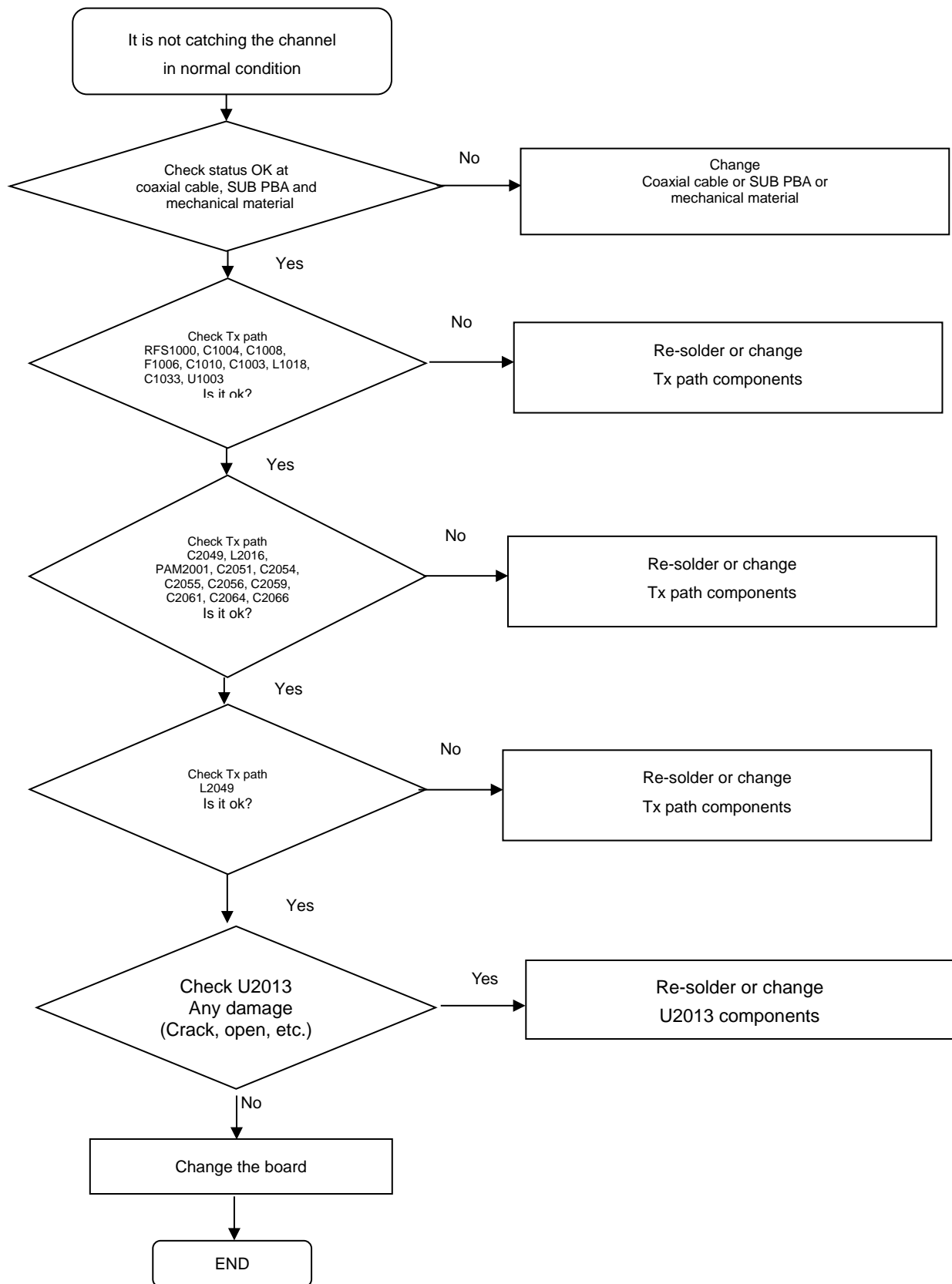
8. Level 3 Repair

8-4-28. GSM1800 TX



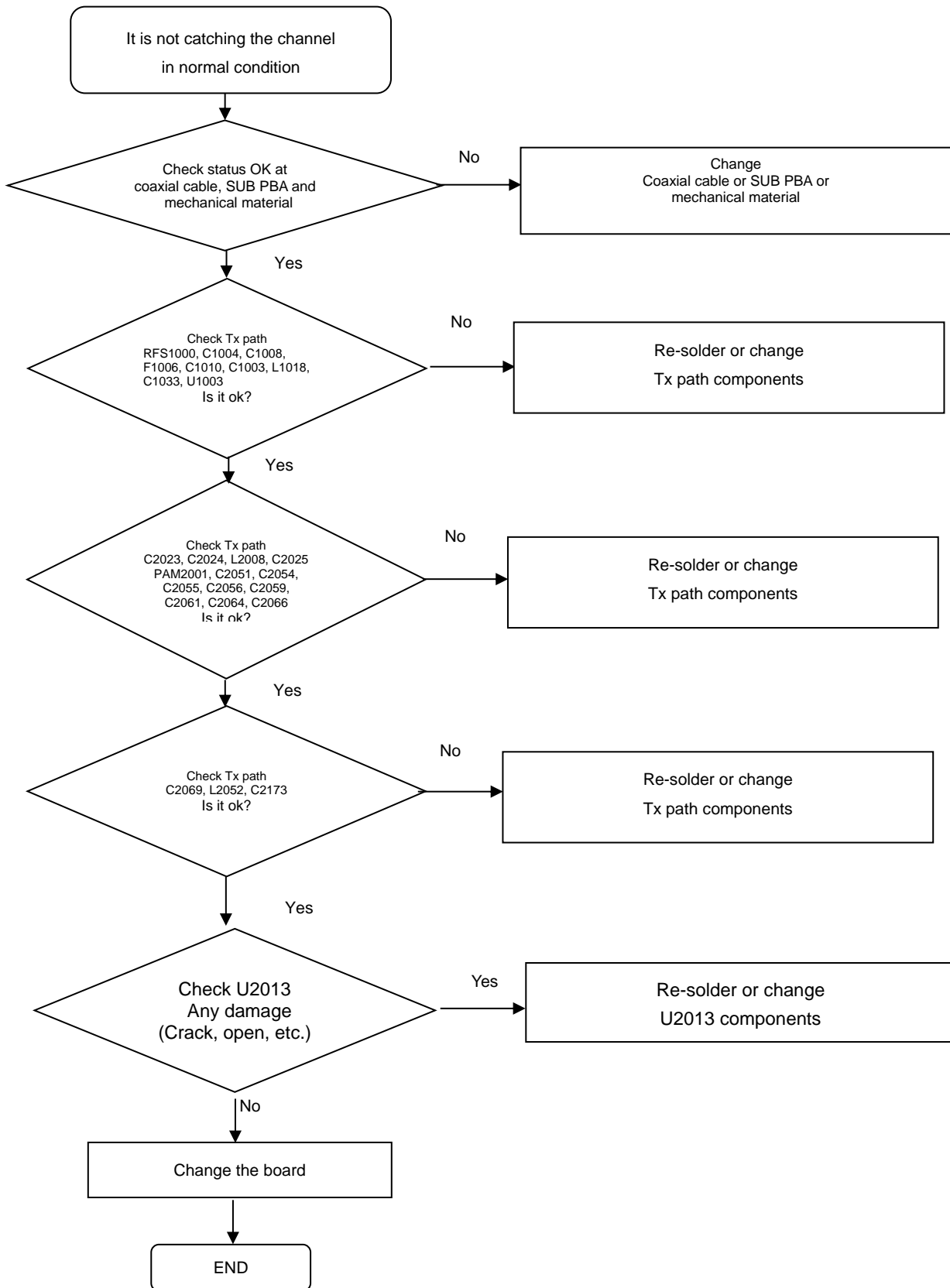
8. Level 3 Repair

8-4-29. GSM850, GSM900 TX



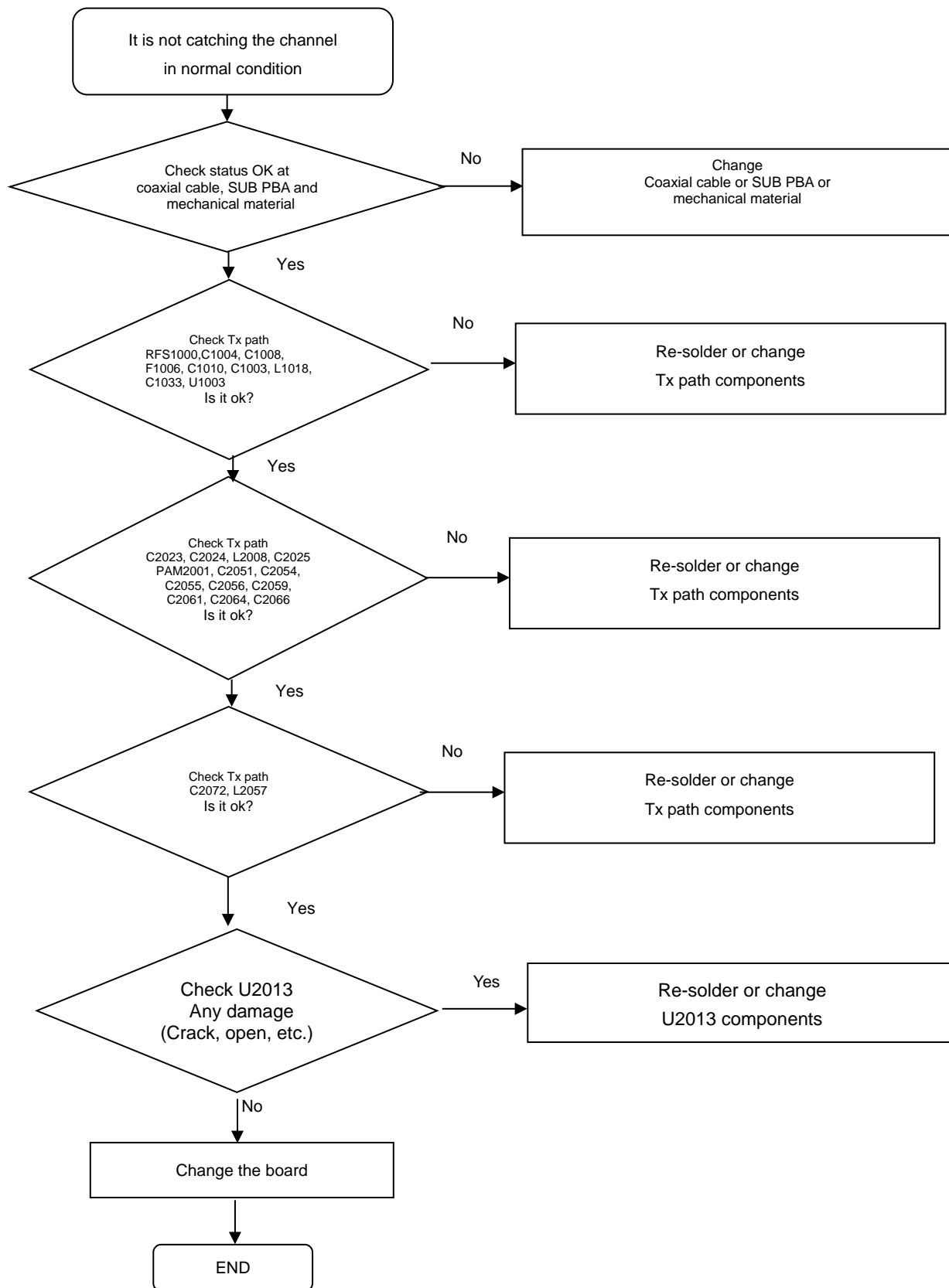
8. Level 3 Repair

8-4-30. LTE B1, WCDMA B1 TX



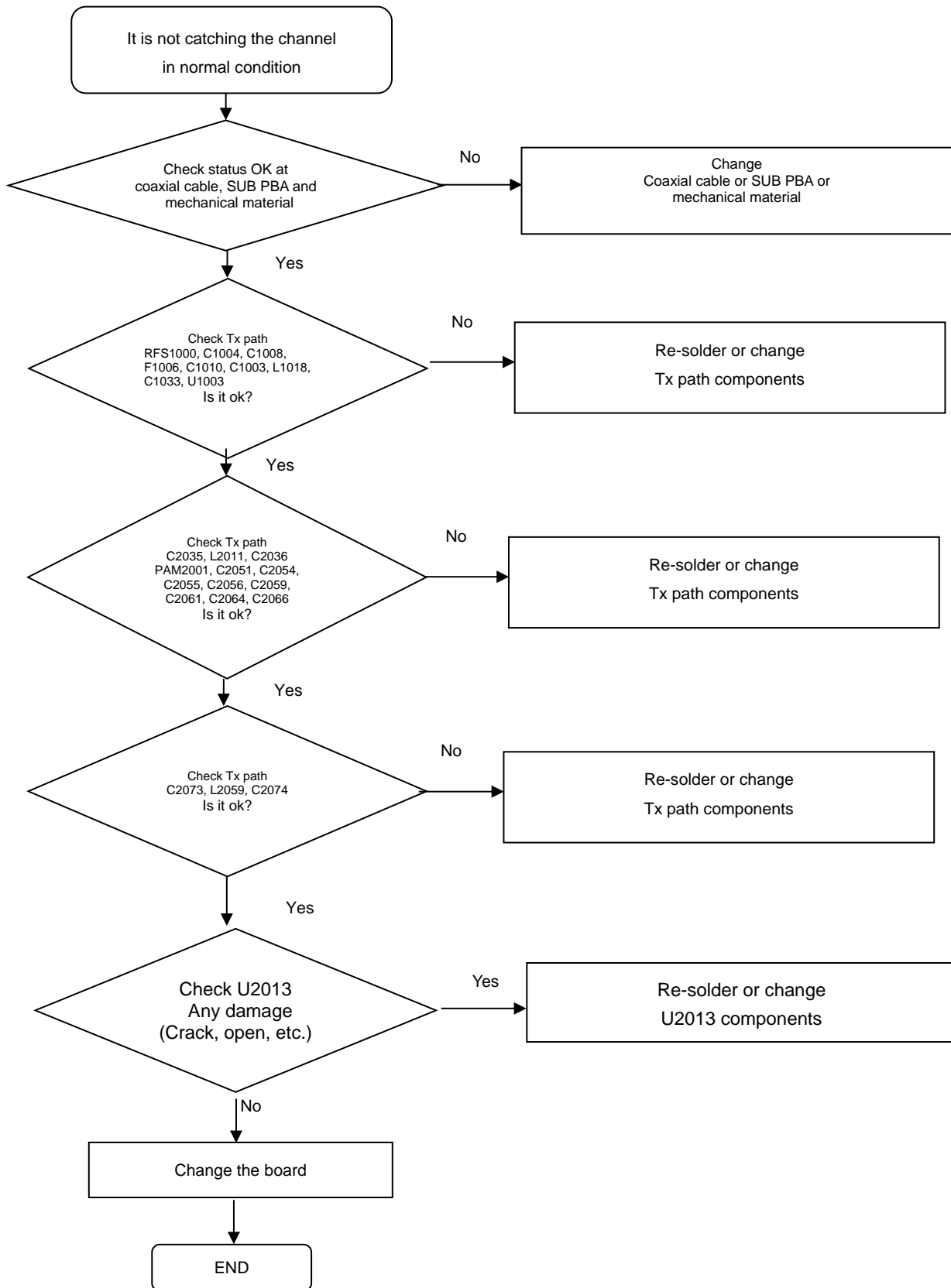
8. Level 3 Repair

8-4-31. LTE B3 TX



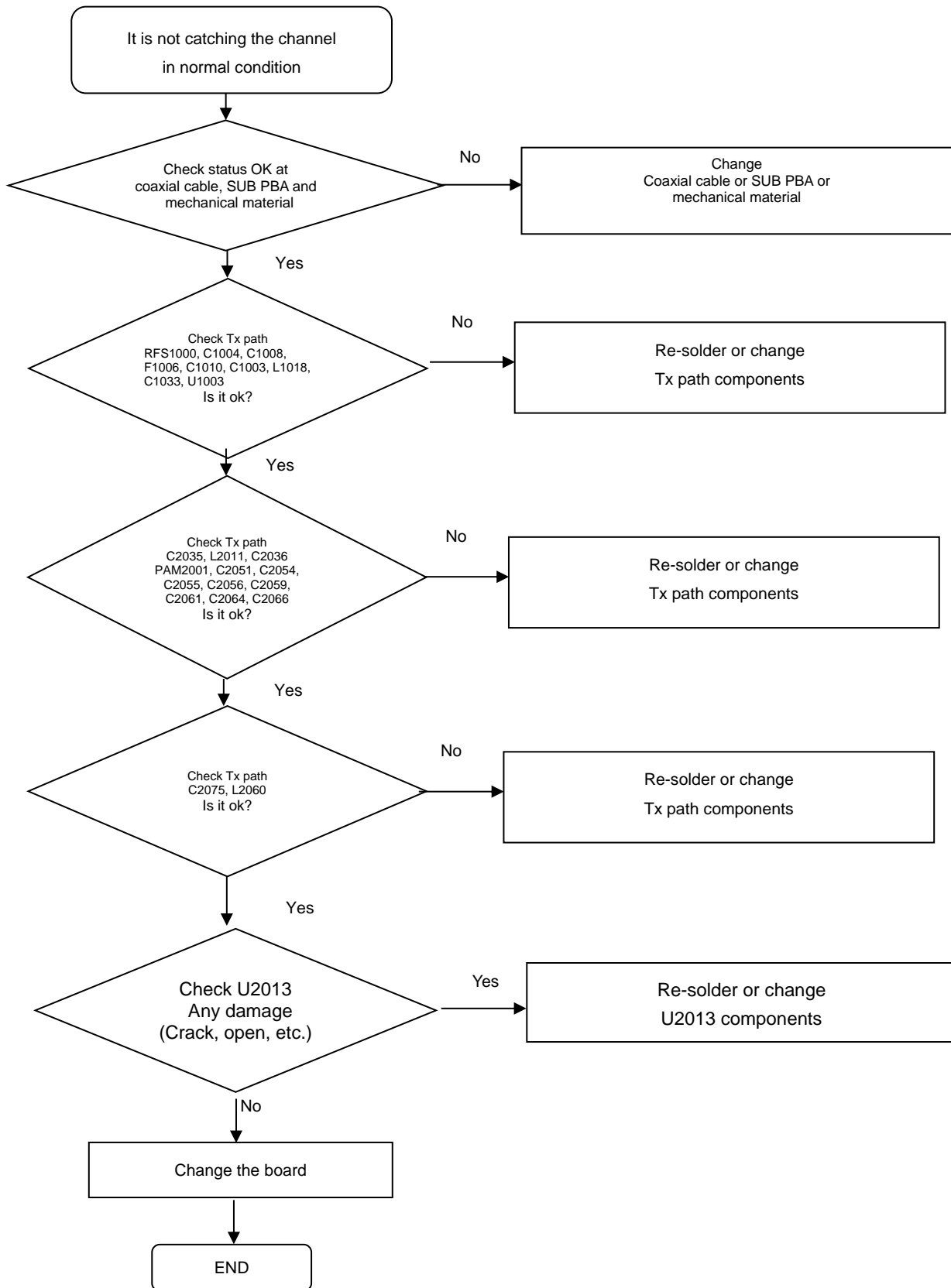
8. Level 3 Repair

8-4-32. LTE B5, WCDMA B5 TX



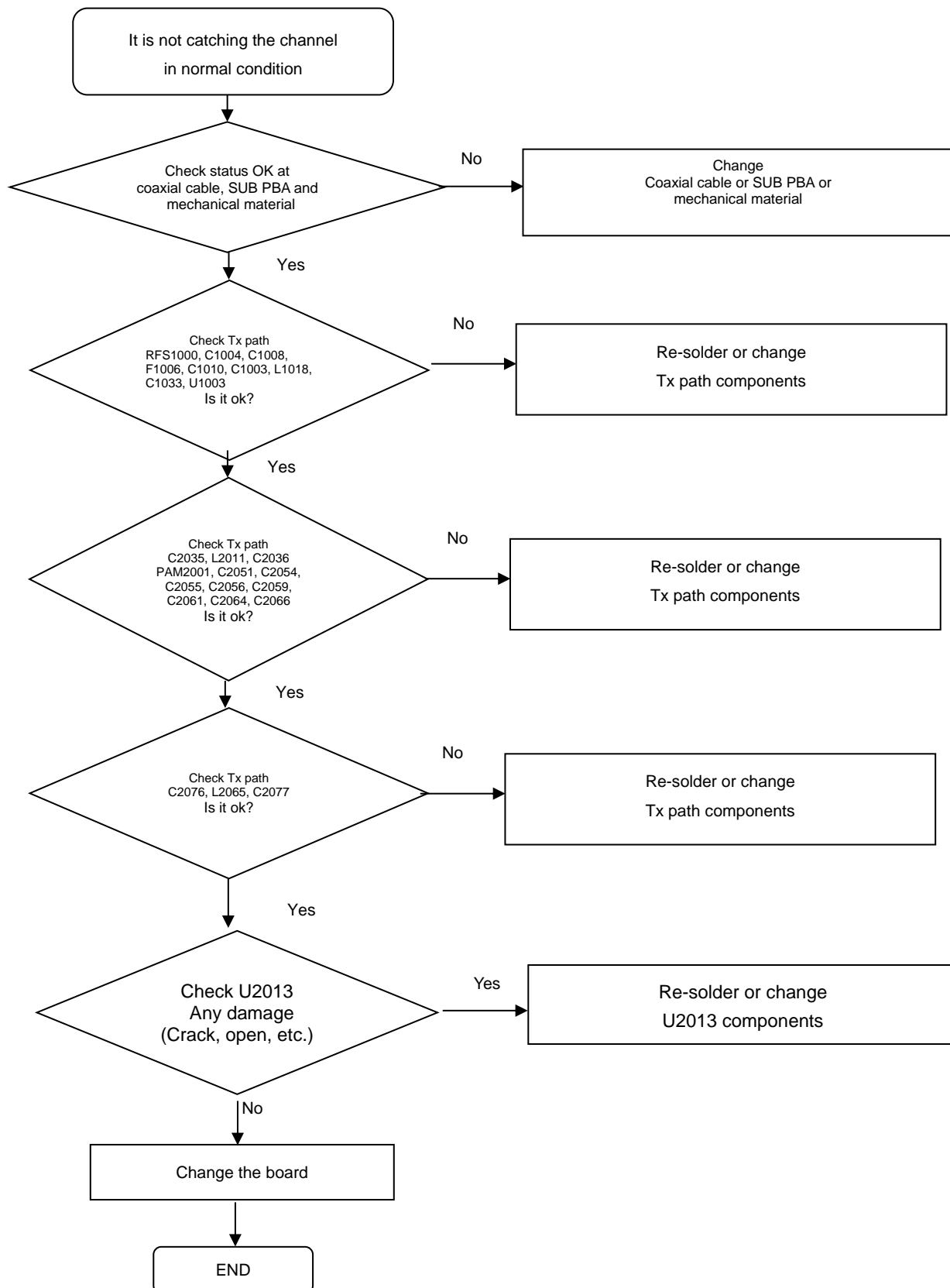
8. Level 3 Repair

8-4-33. LTE B8, WCDMA B8 TX



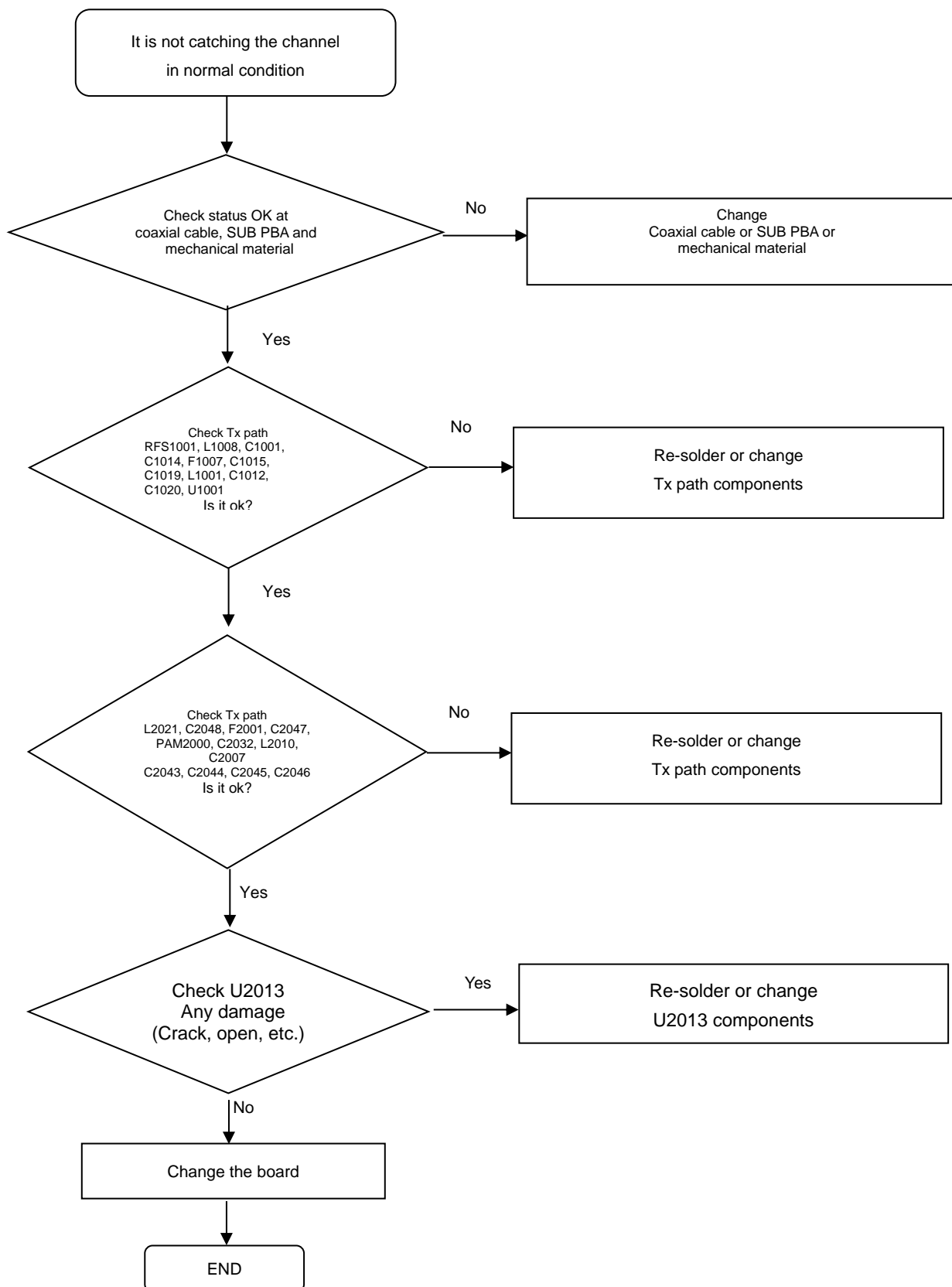
8. Level 3 Repair

8-4-34. LTE B20 TX



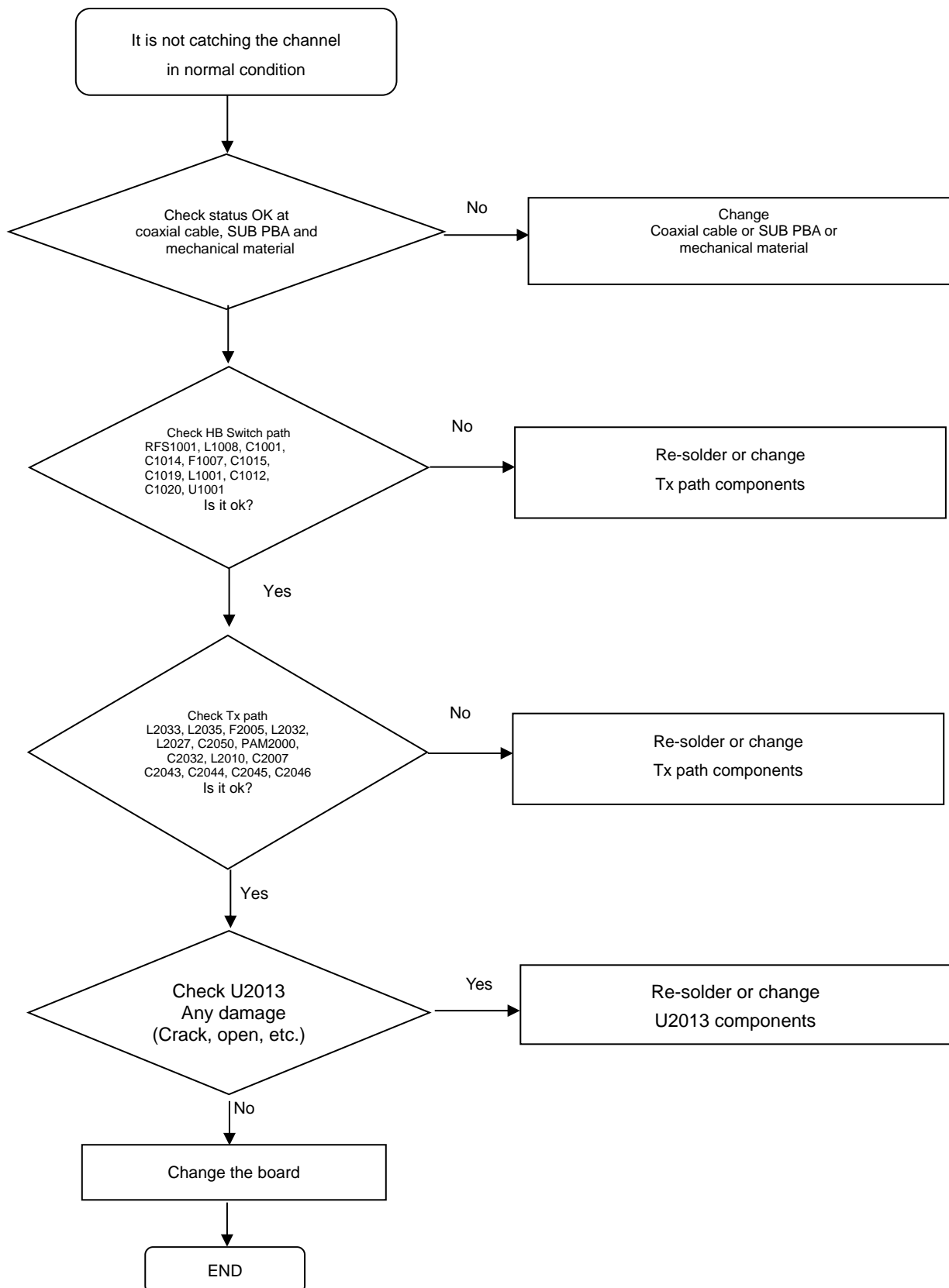
8. Level 3 Repair

8-4-35. LTE B38/B41 TX



8. Level 3 Repair

8-4-36. LTE B40 TX



8. Level 3 Repair

8-5. Service Schematics

- NC Point(Top View)

