

GLOBAL
 2G : 850/900/1800/1900
 3G : B1/2/4/5/8
 4G : B1/2/3/4/5/7/8/12/17/
 20/28/38/40/41

SM-A105F

U7001

BH7002

HDC7002

BH7005

ANT1002

U7009

OSC2000

CT933
CT166
U7002
U7003
U7007

SIM5002

SIM5003

SIM5000

SIM5001

SC7001

HDC7000

UCP400

HDC4000

U6009

L7007

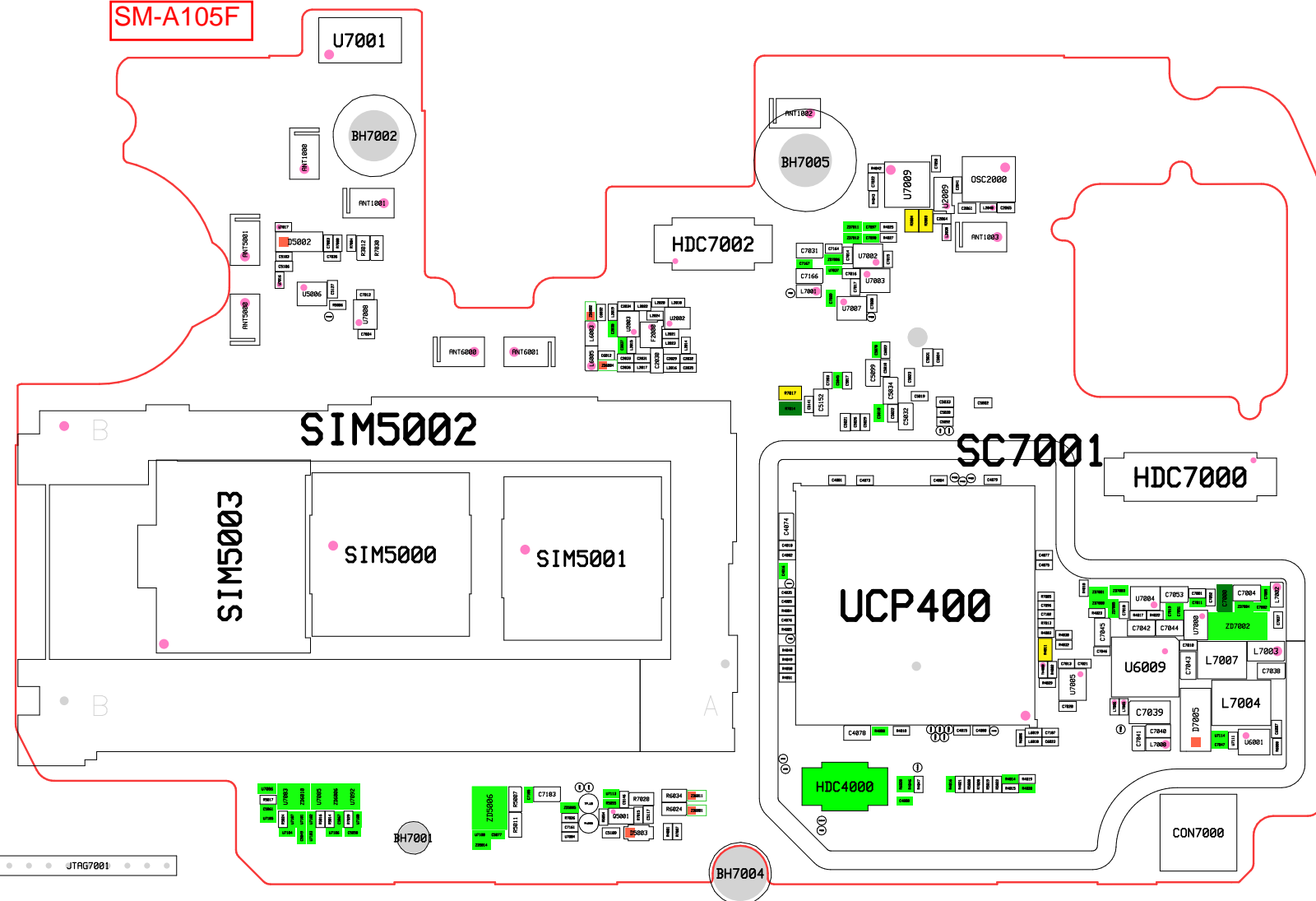
L7004

CON7000

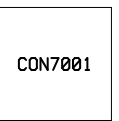
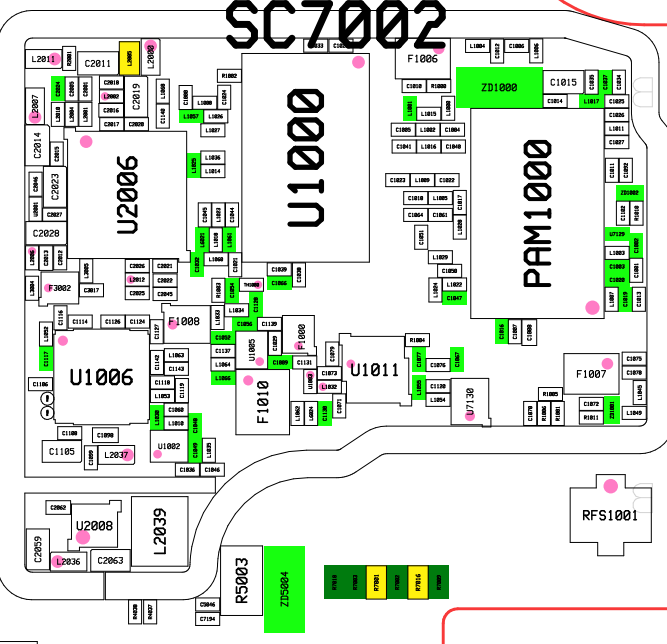
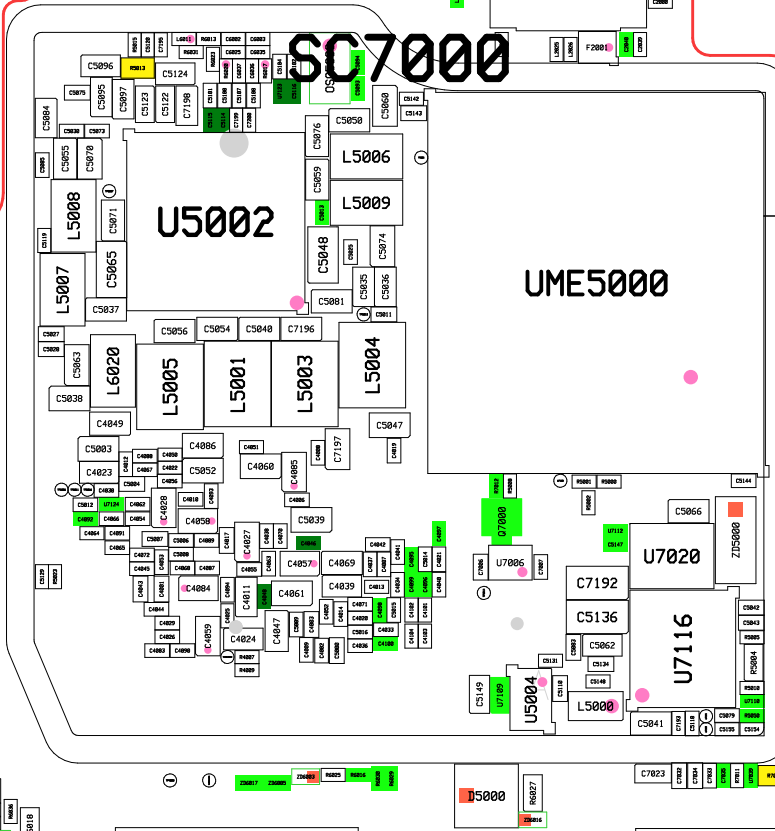
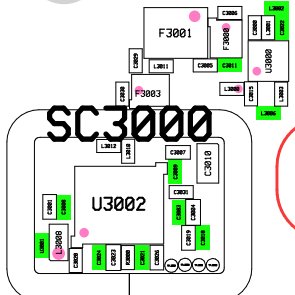
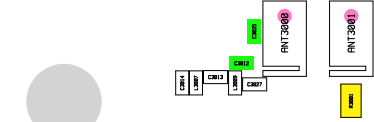
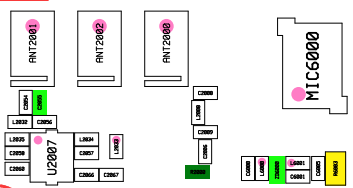
BH7001

BH7004

JTAG7001



SM-A105F



SM-A105G

U7001

BH7002

BH7005

HDC7002

SIM5002

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SIM5000

SIM5001

SC7001

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ZD7002

U6009

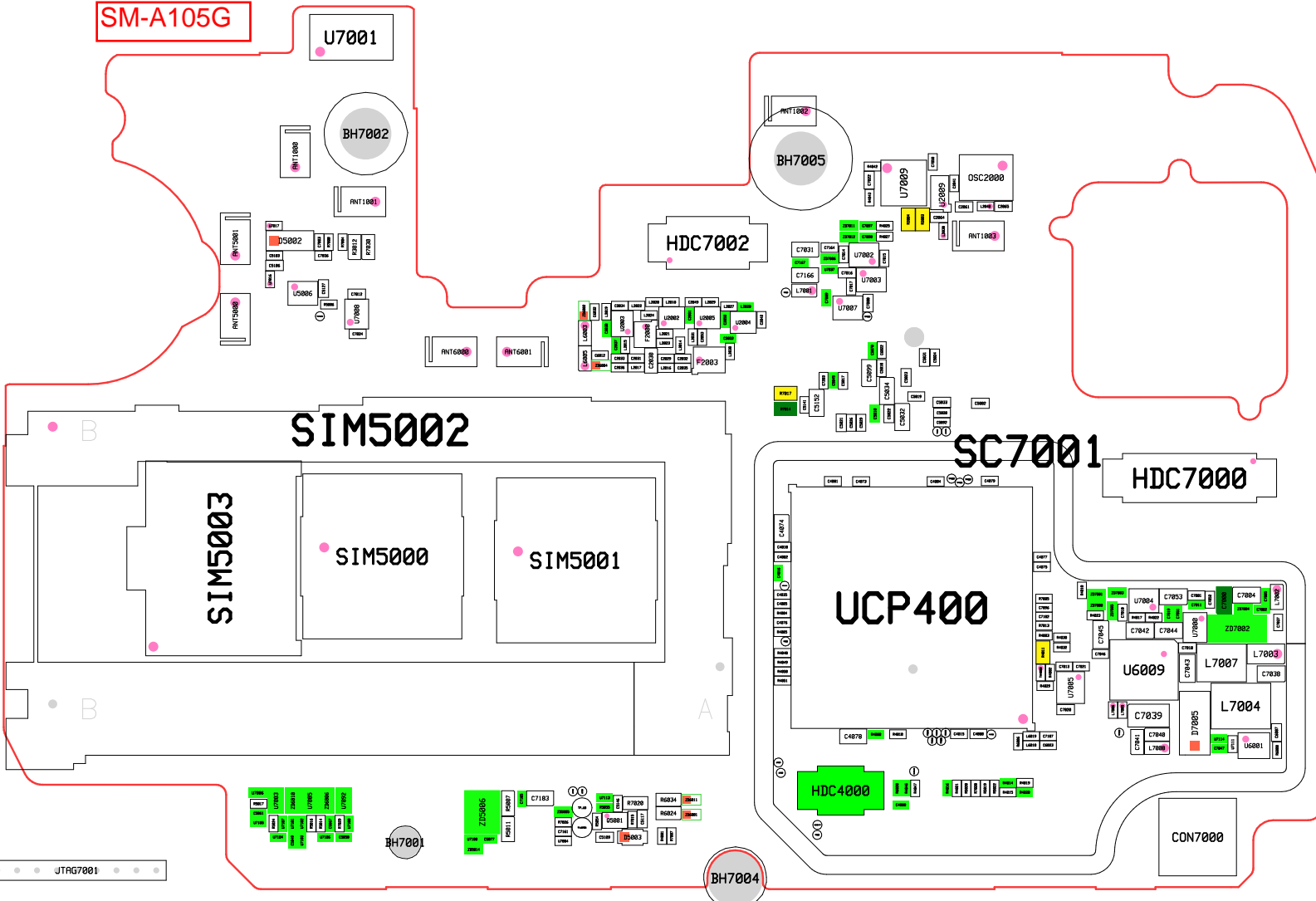
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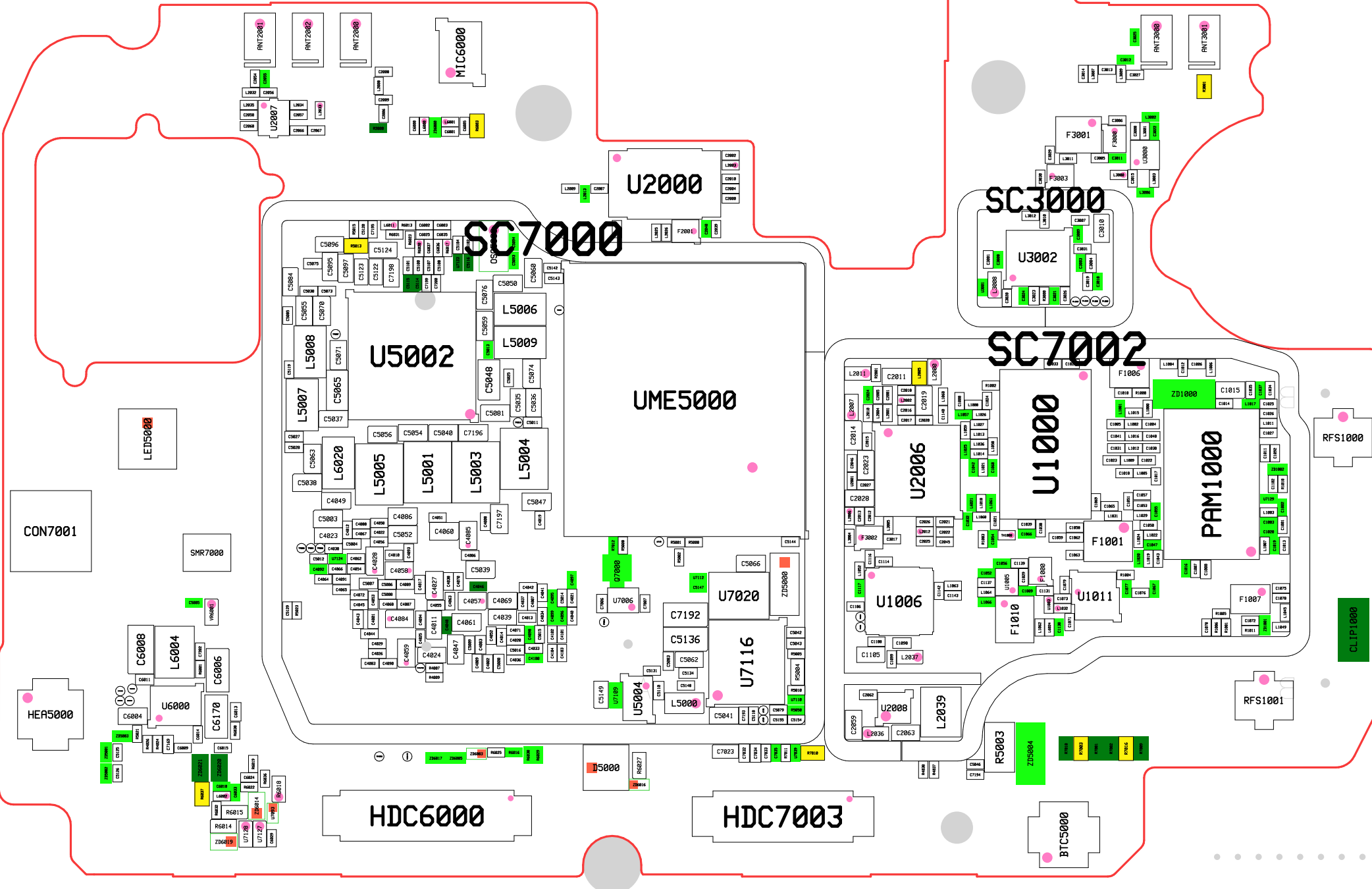
CON7000

BH7001

BH7004

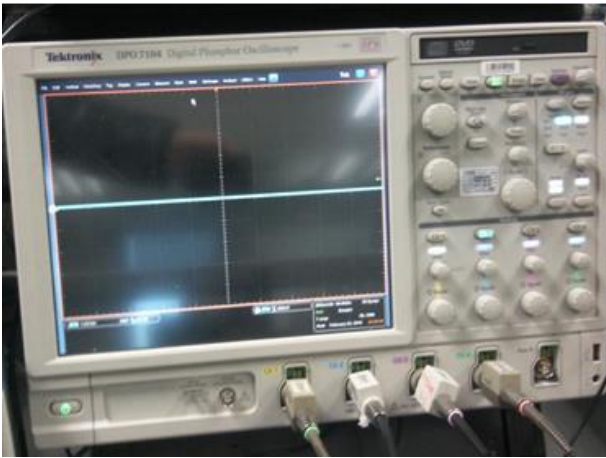
JTAG7001





8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



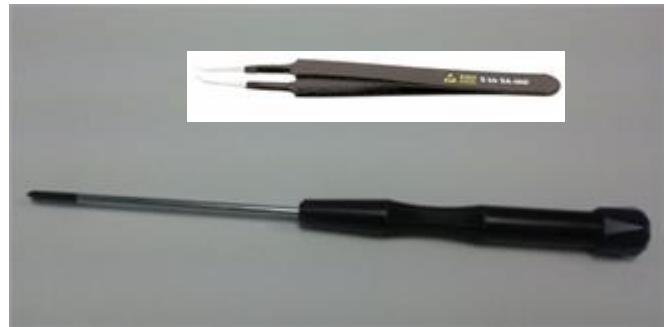
Oscilloscope



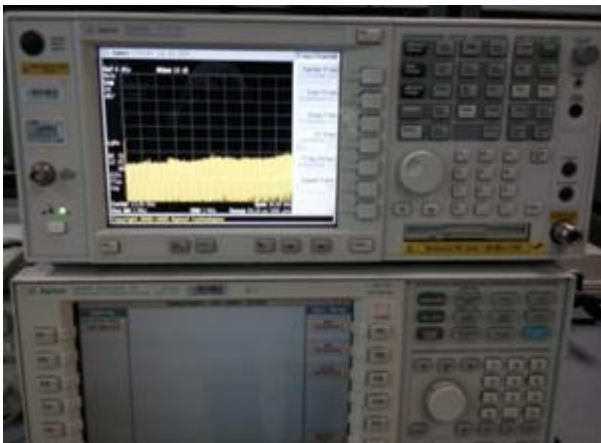
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



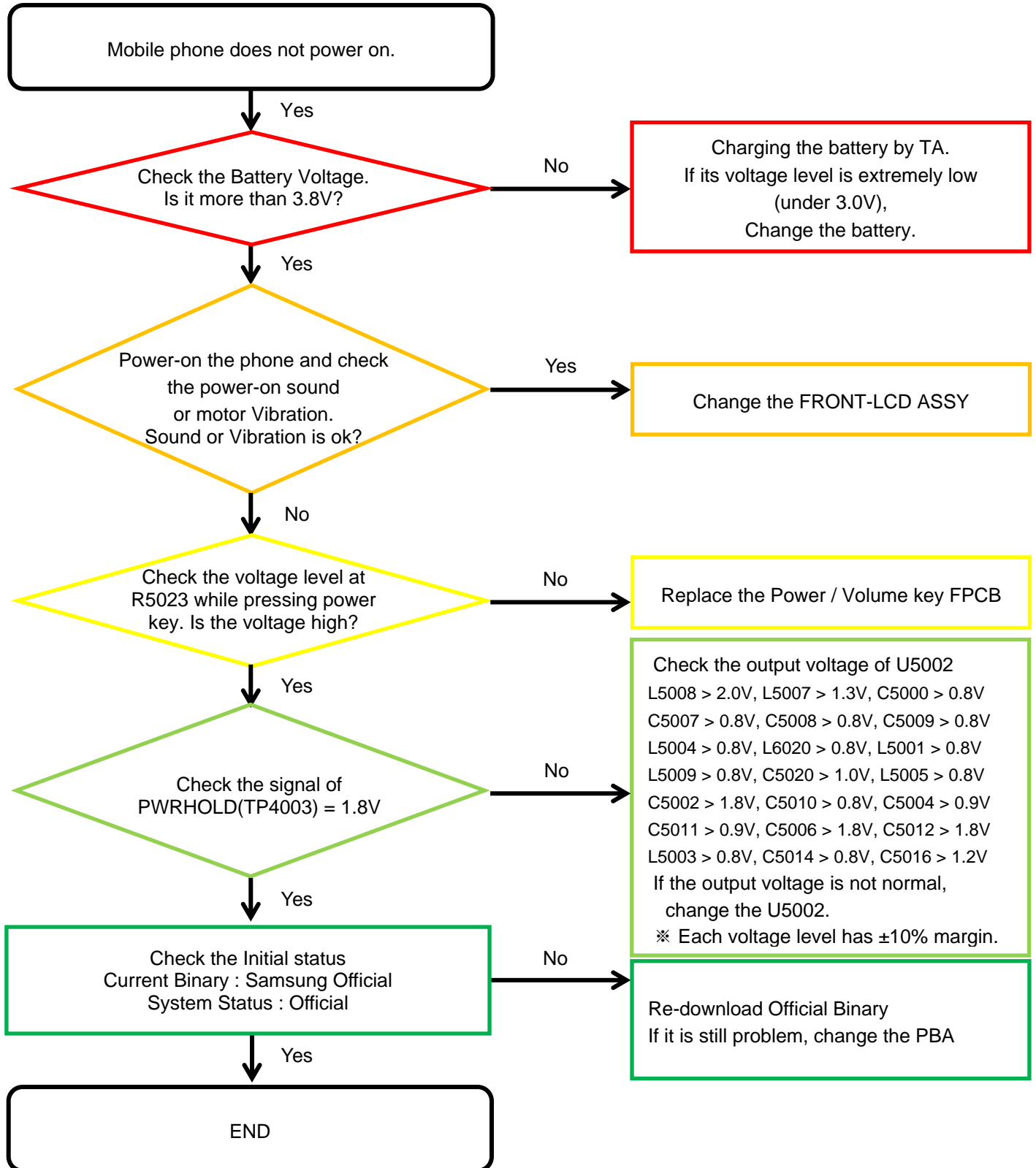
8960 & Spectrum Analyzer



Soldering iron

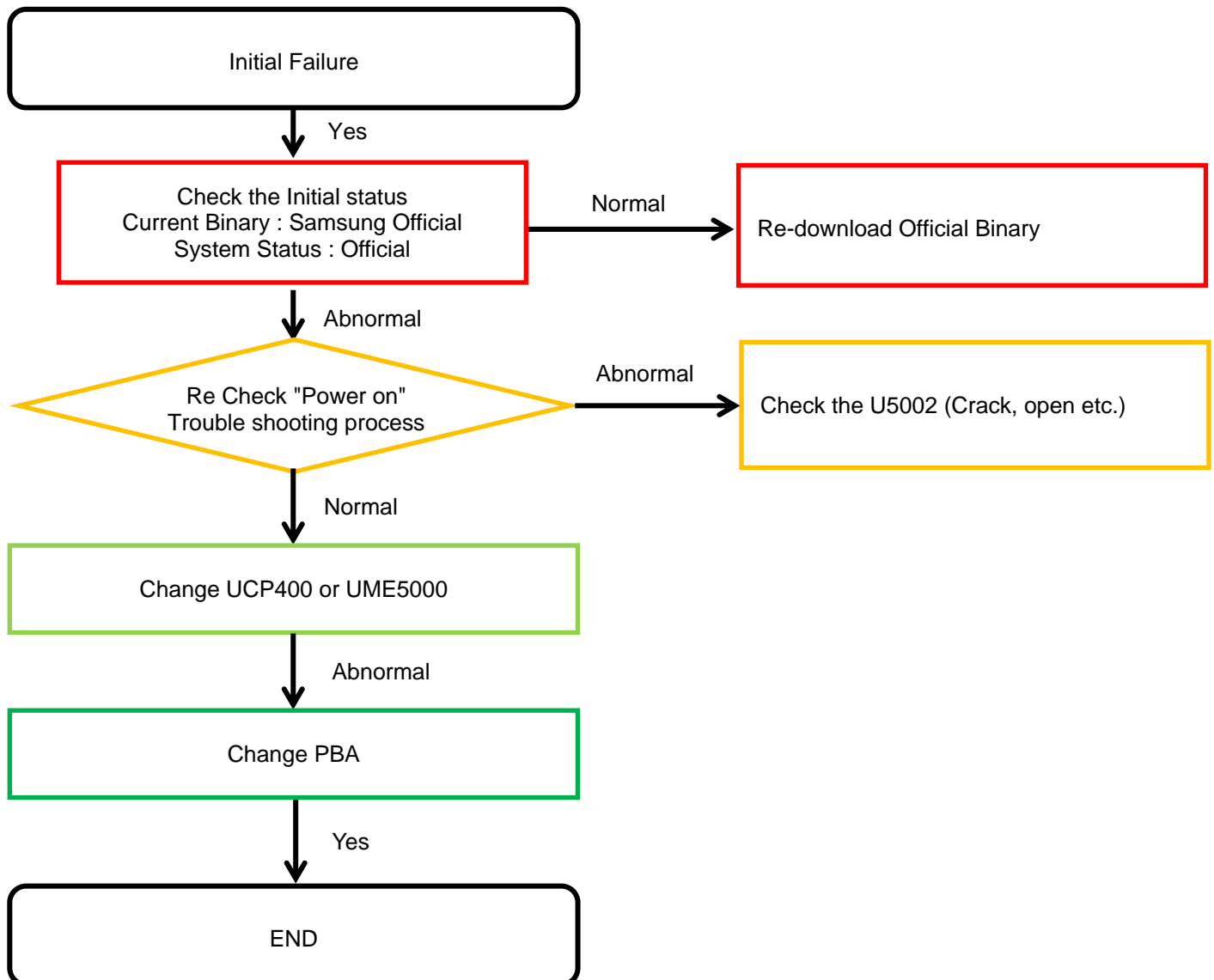
8. Level 3 Repair

8-4-1. Power On



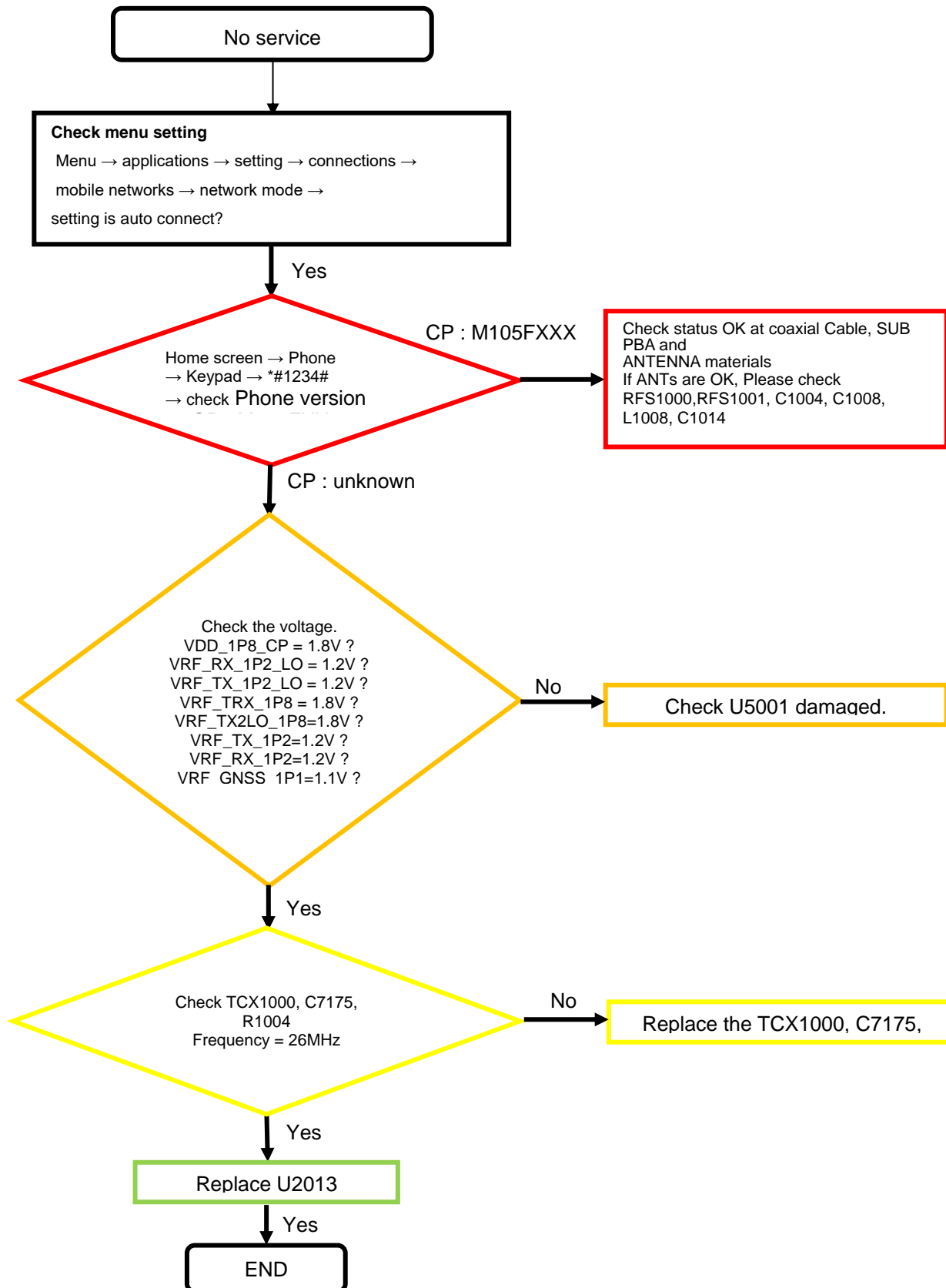
8. Level 3 Repair

8-4-2. Initial



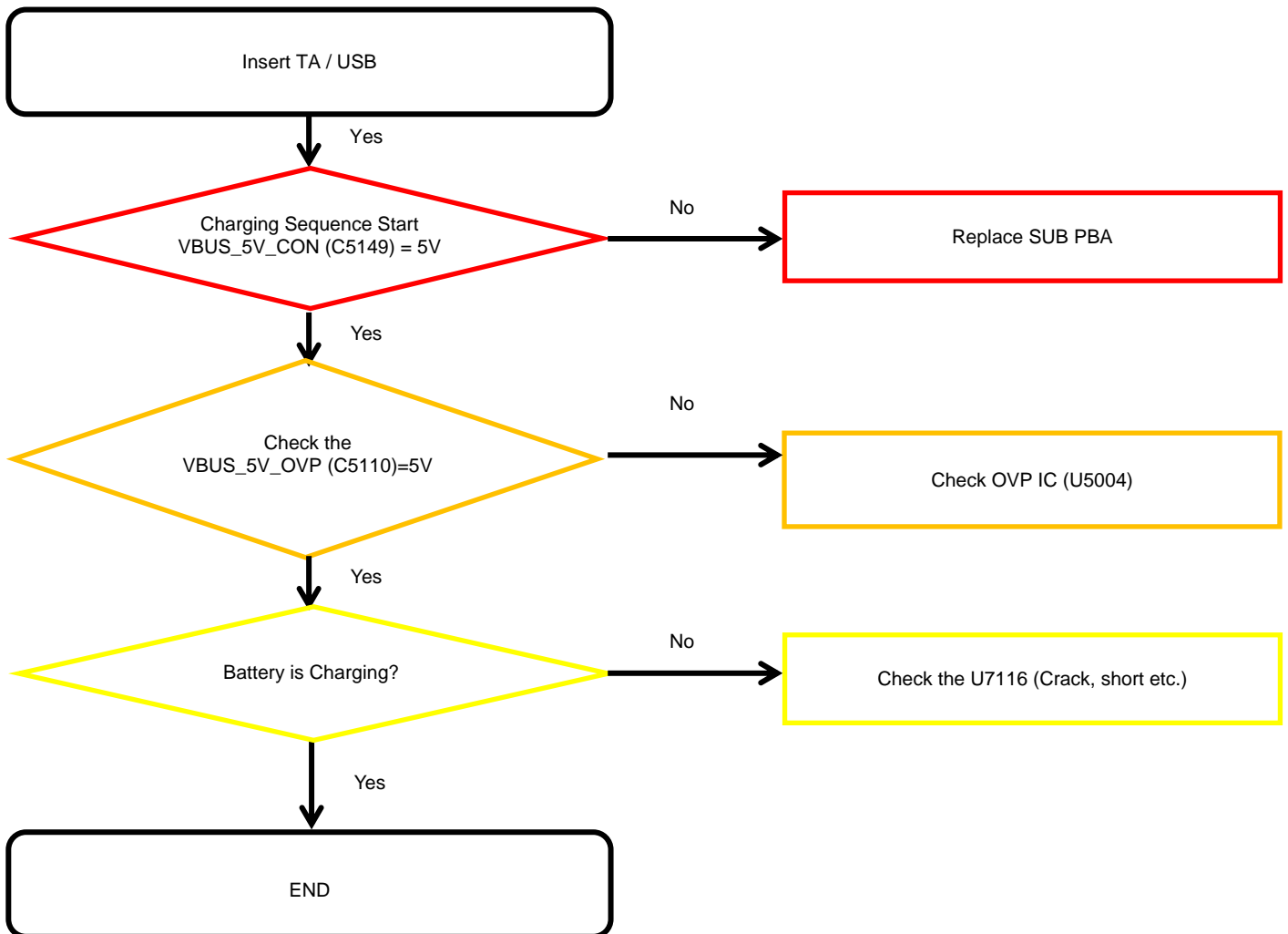
8. Level 3 Repair

8-4-3. No Service



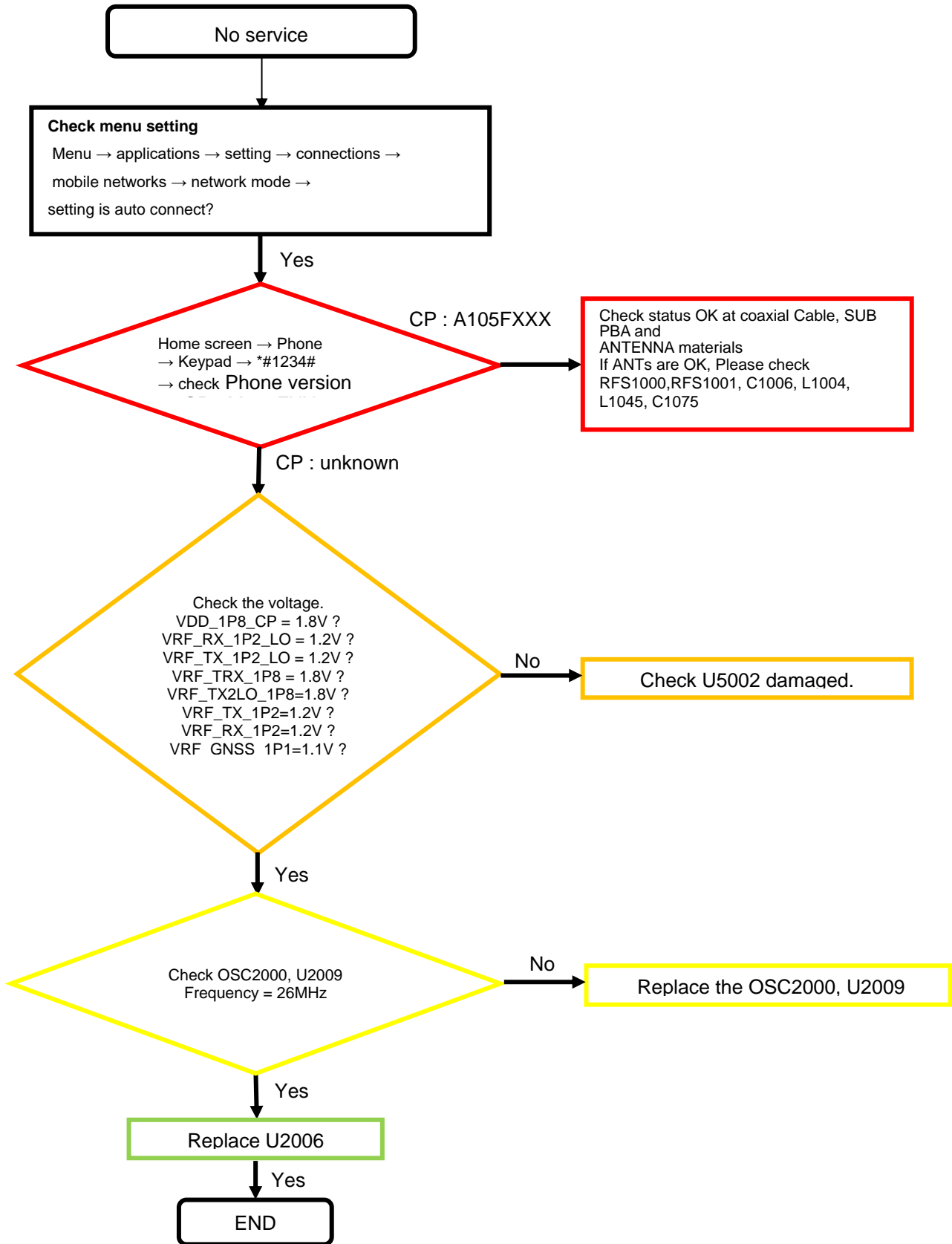
8. Level 3 Repair

8-4-4. Charging Part



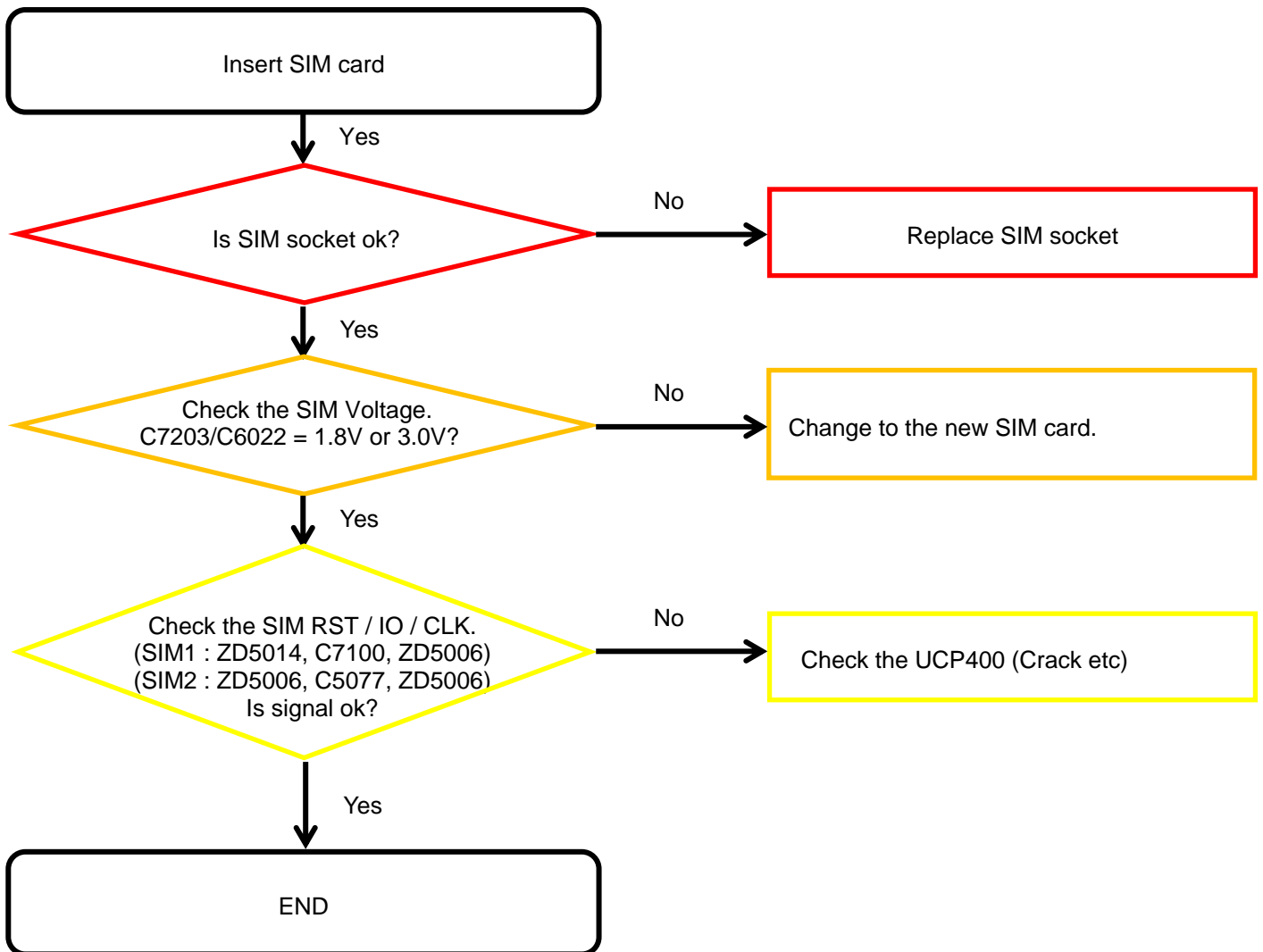
8. Level 3 Repair

8-4-5. No Service



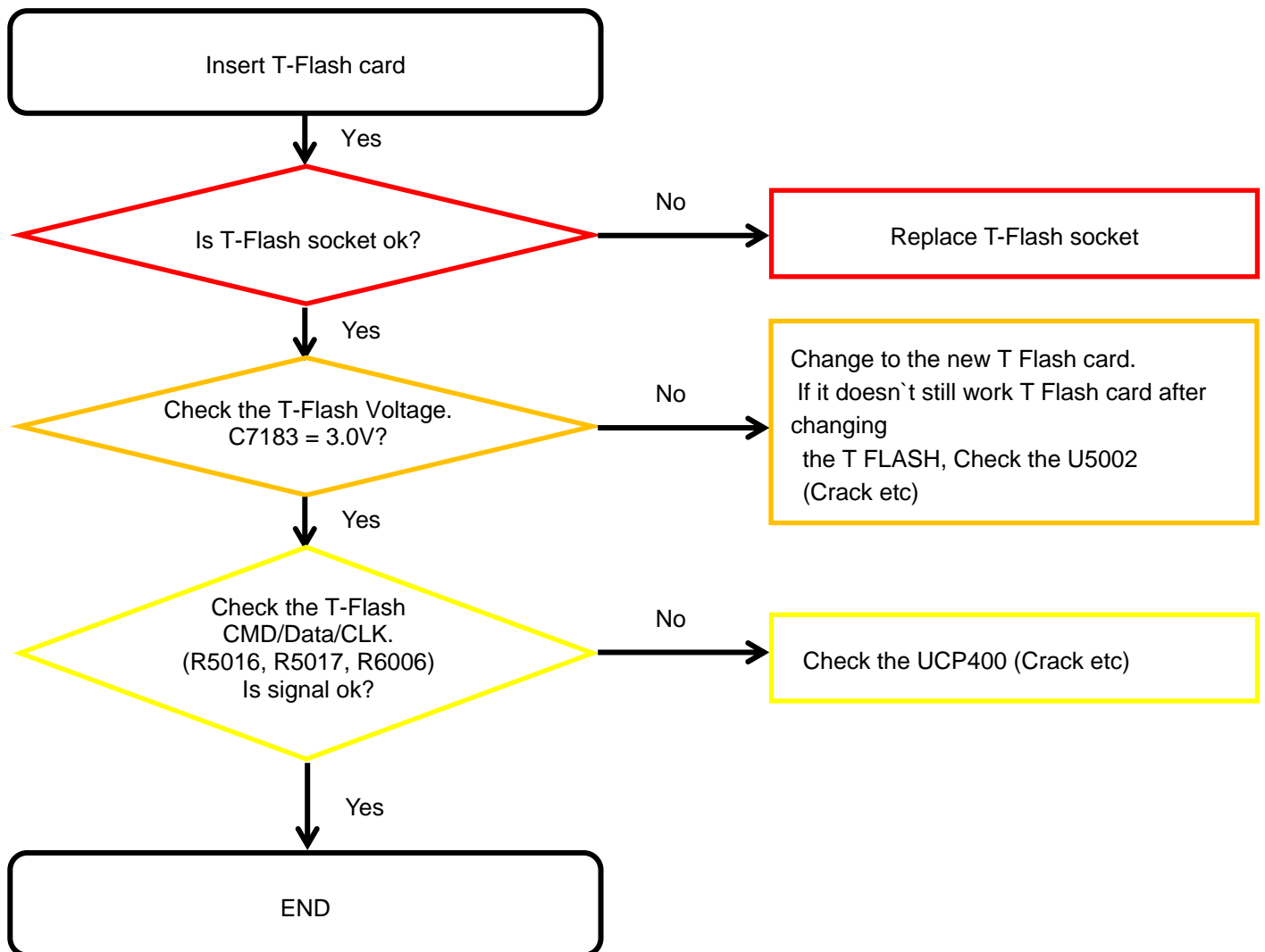
8. Level 3 Repair

8-4-6. SIM Part



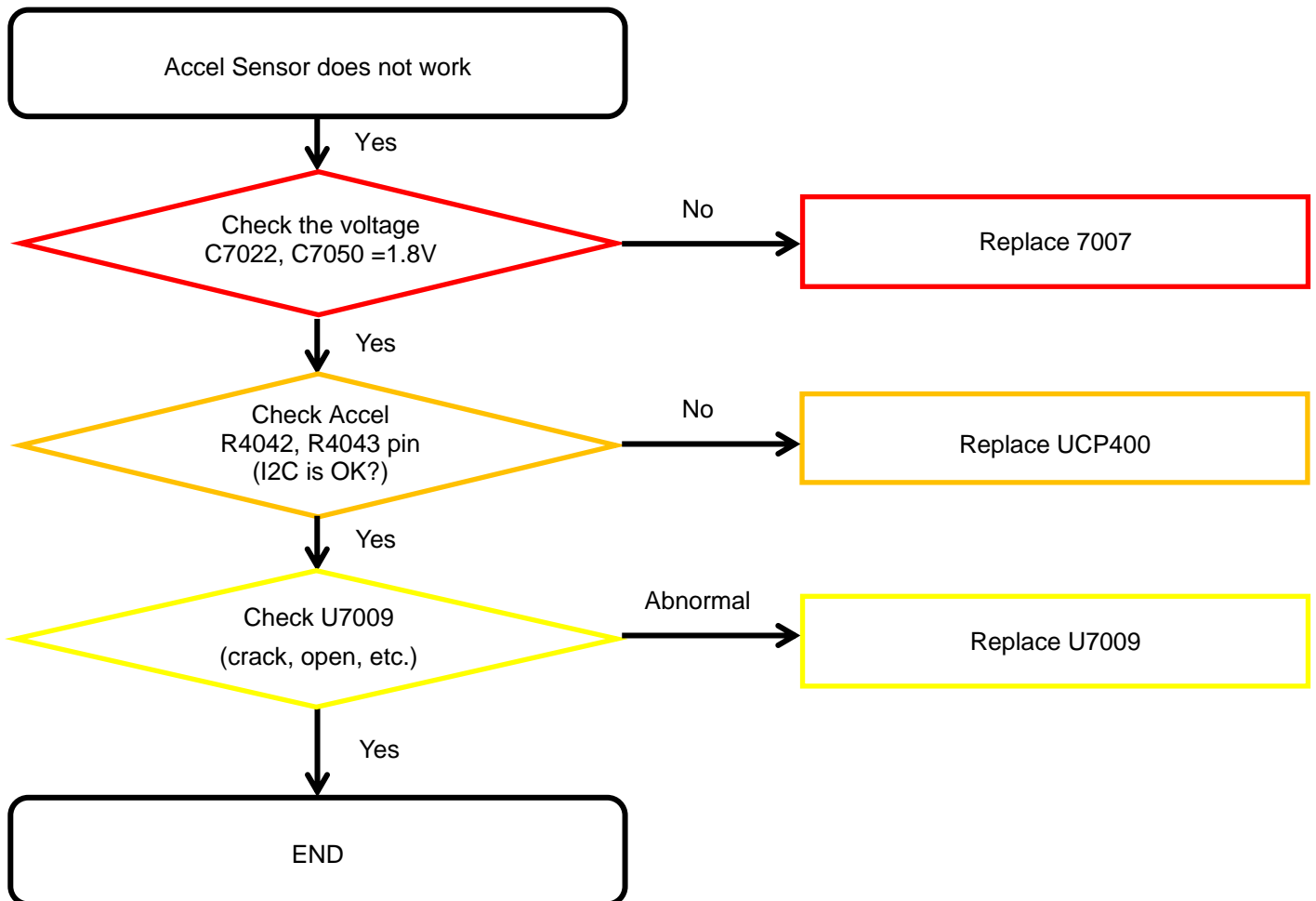
8. Level 3 Repair

8-4-7. T-Flash Part



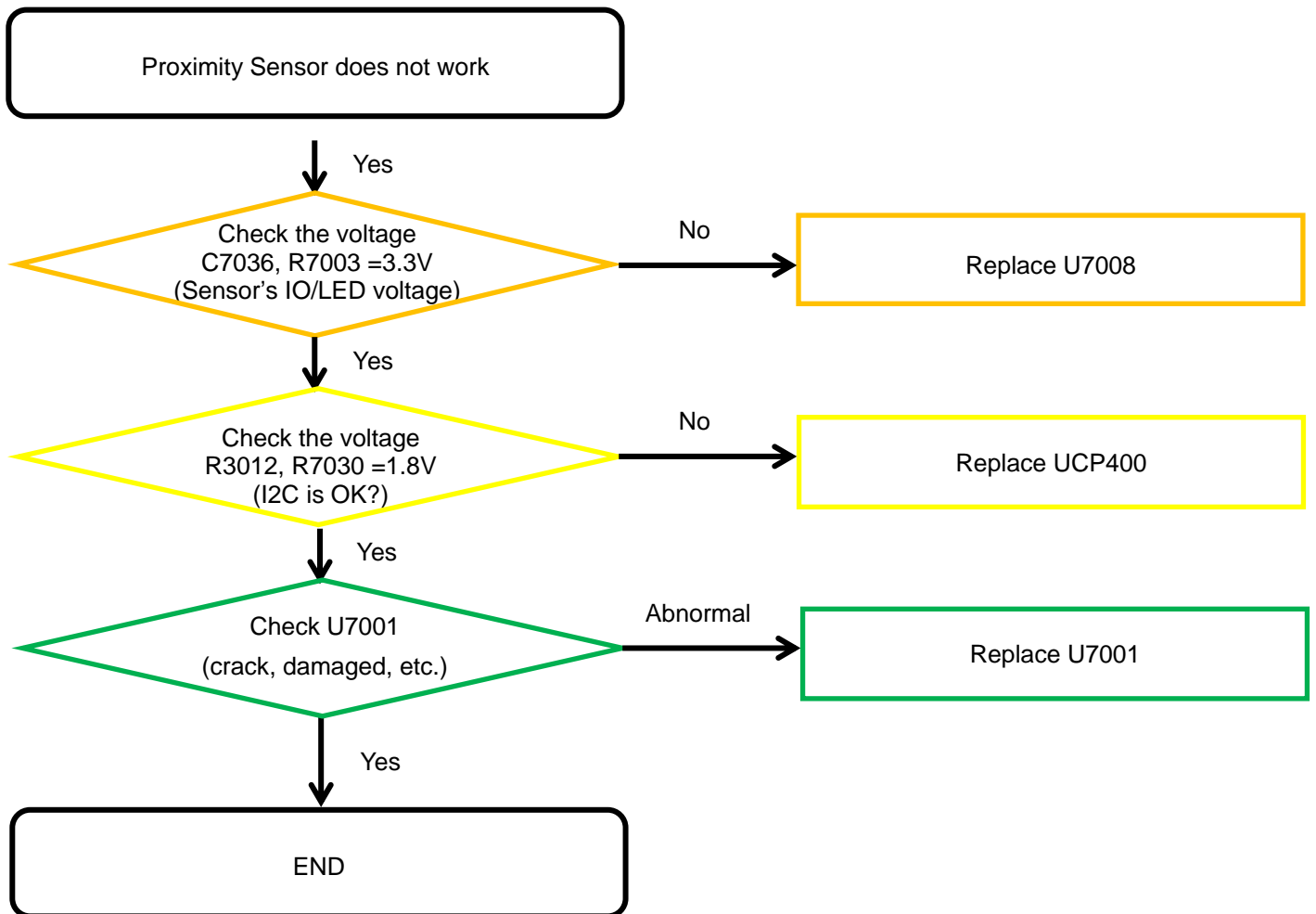
8. Level 3 Repair

8-4-8. Accel Sensor



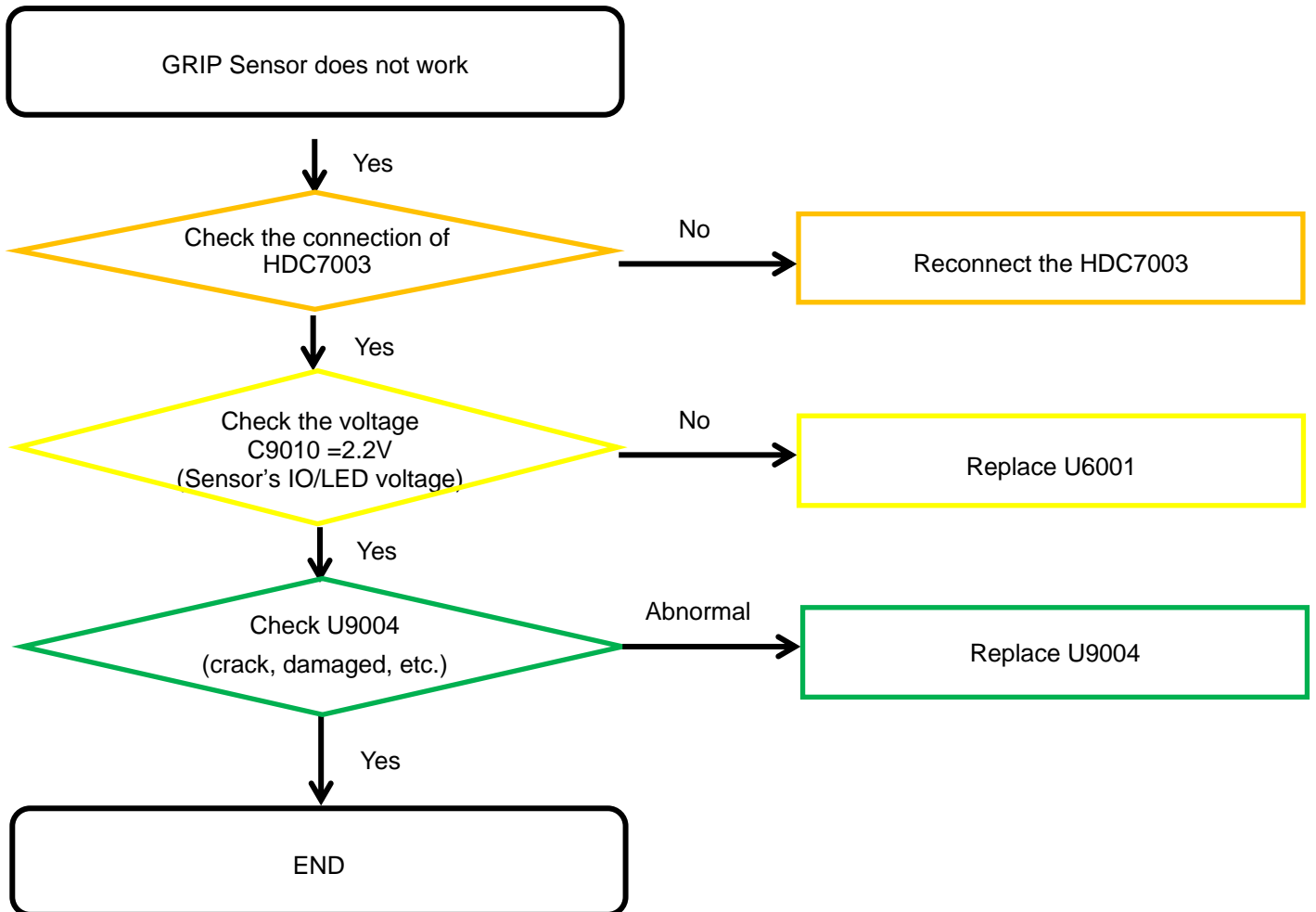
8. Level 3 Repair

8-4-9. Proximity Sensor



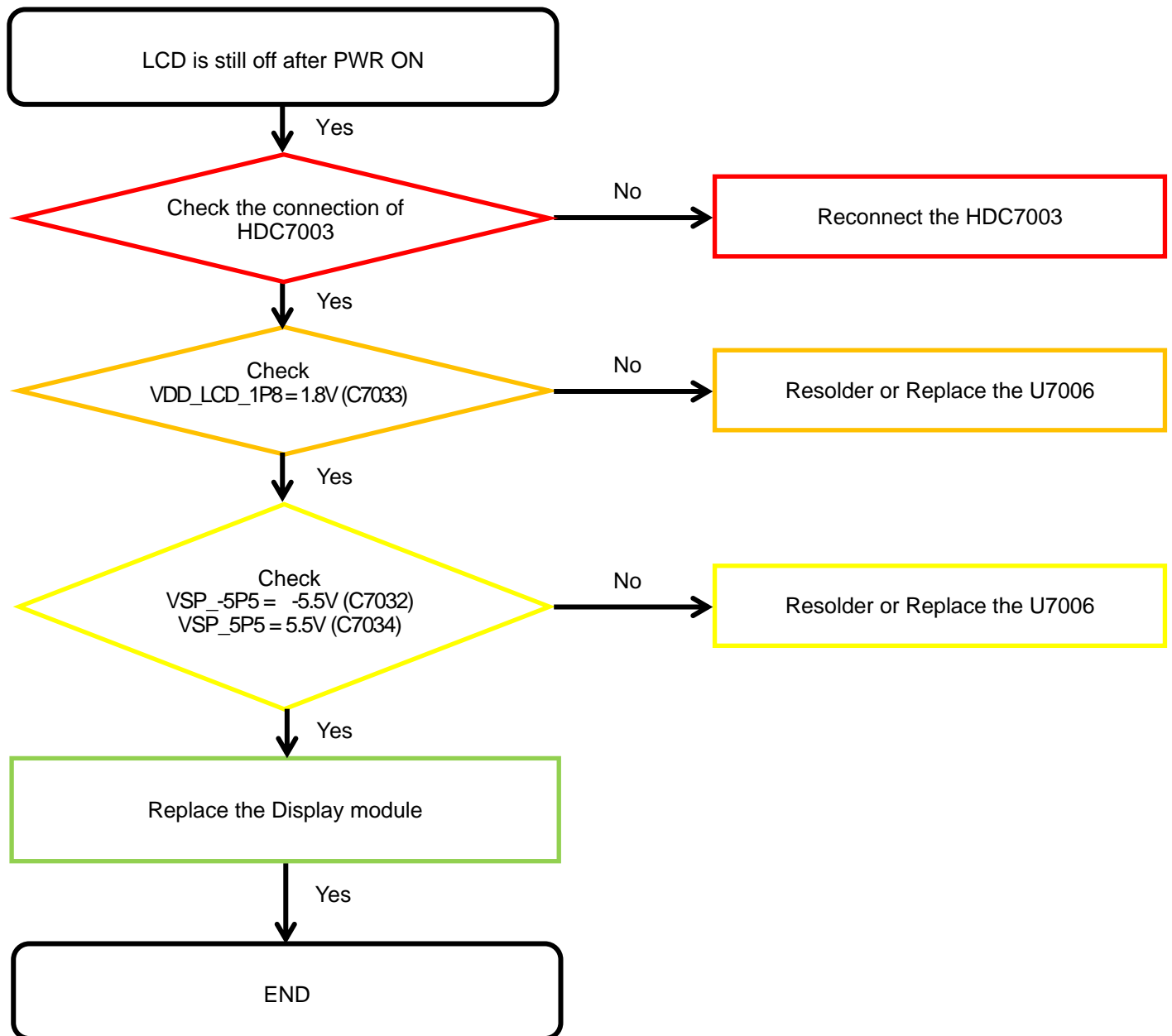
8. Level 3 Repair

8-4-10. GRIP Sensor



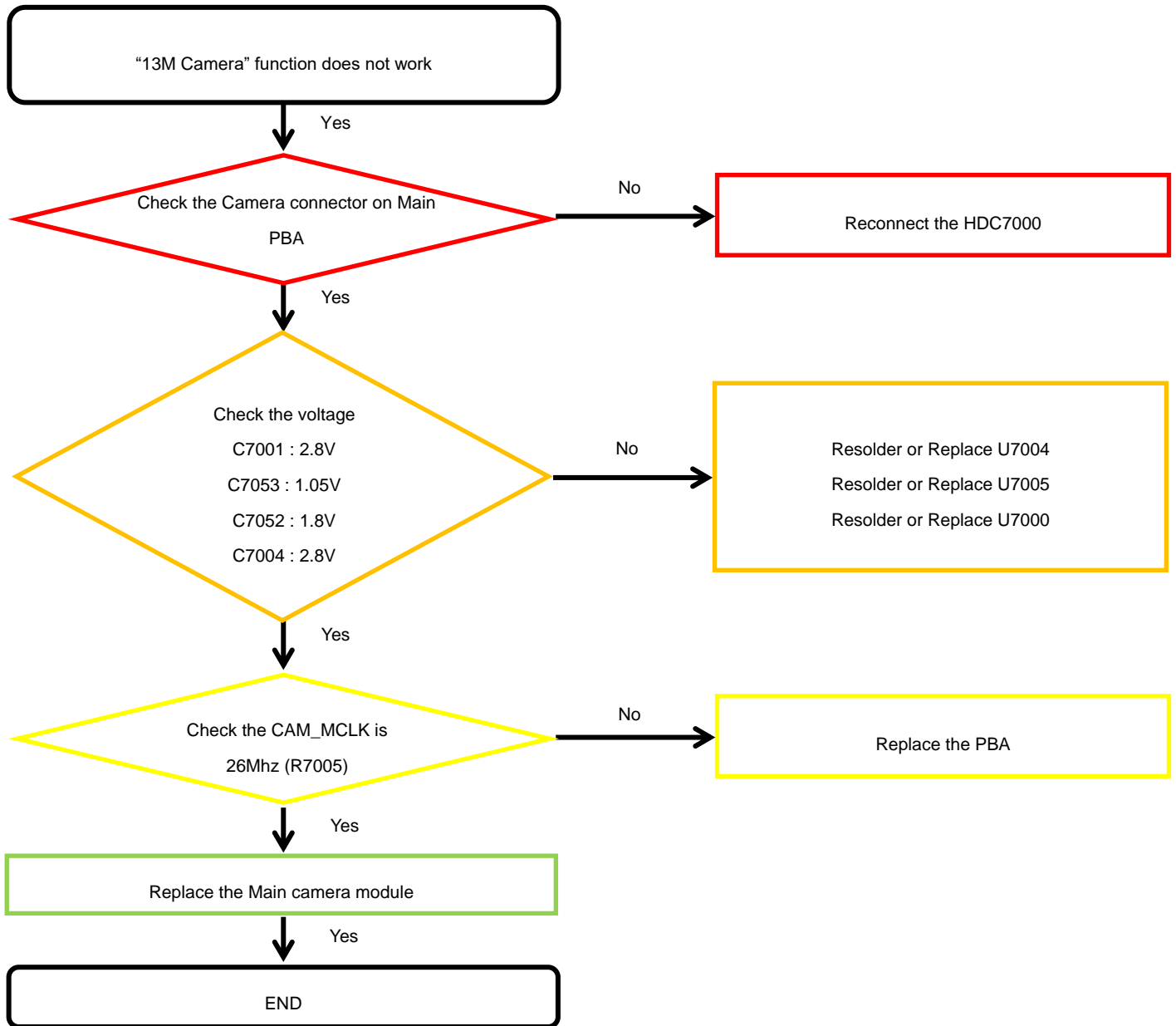
8. Level 3 Repair

8-4-11. Display



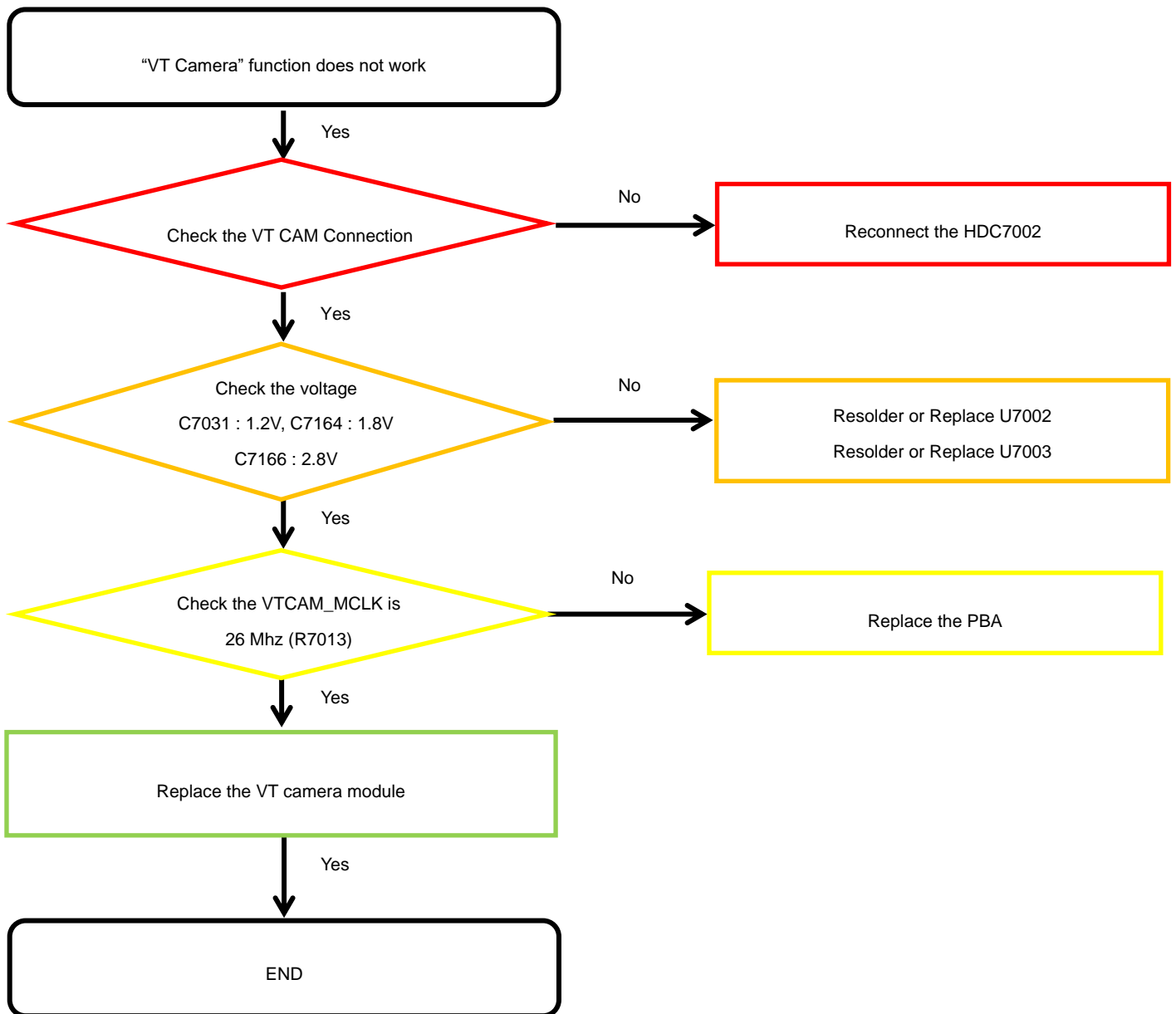
8. Level 3 Repair

8-4-12. MAIN 13M CAMERA



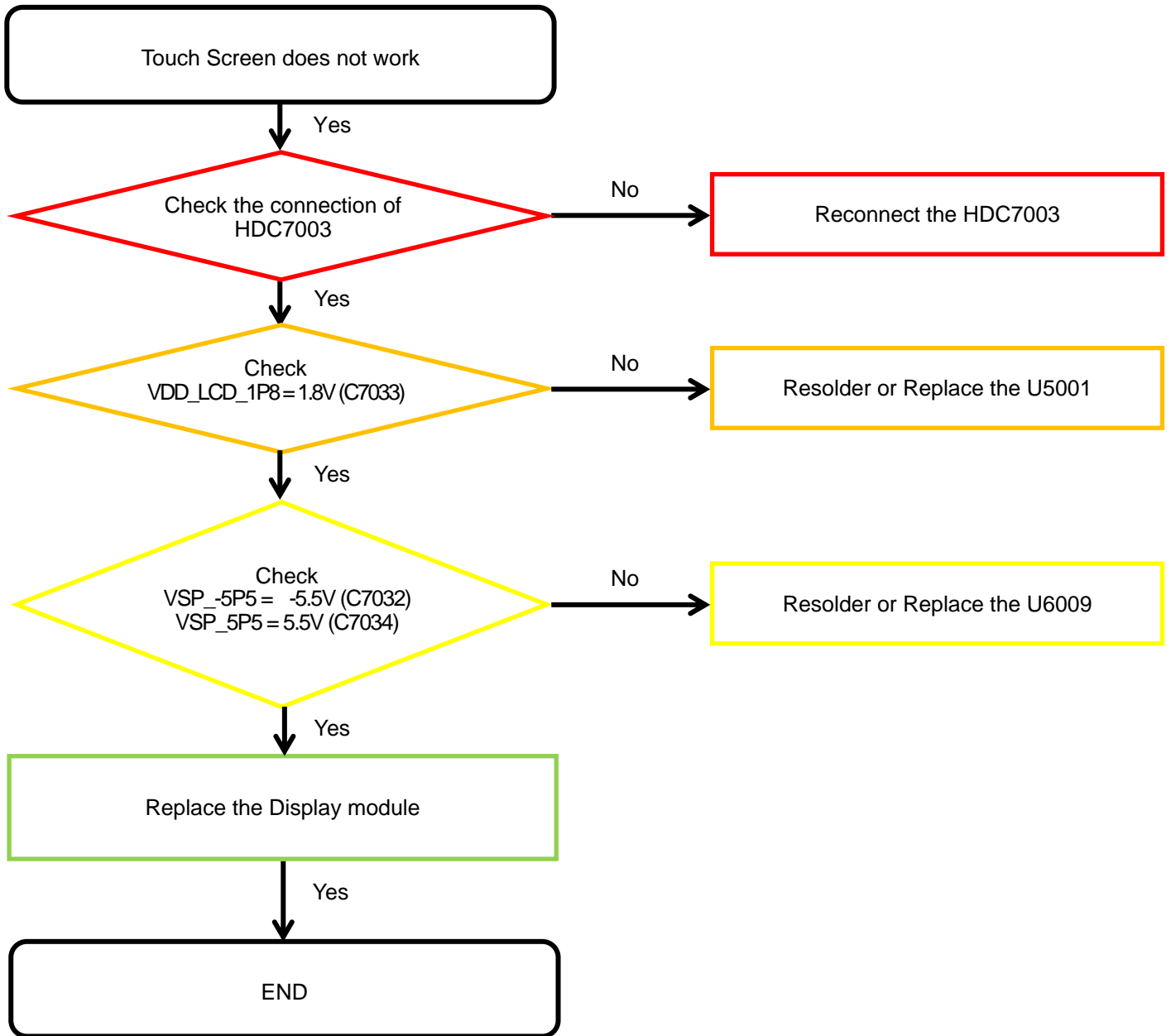
8. Level 3 Repair

8-4-13. VT 5M CAM



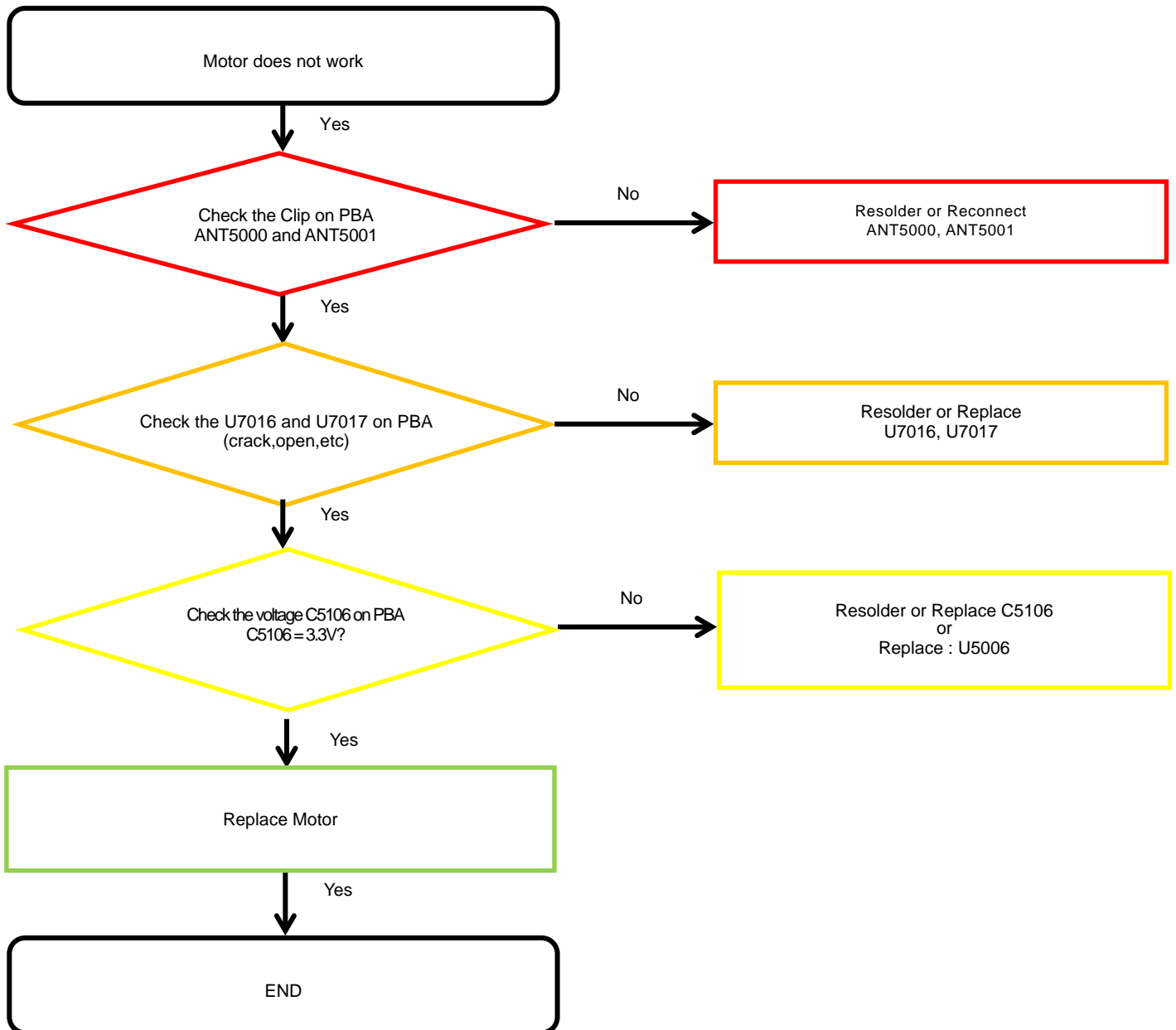
8. Level 3 Repair

8-4-14. TSP



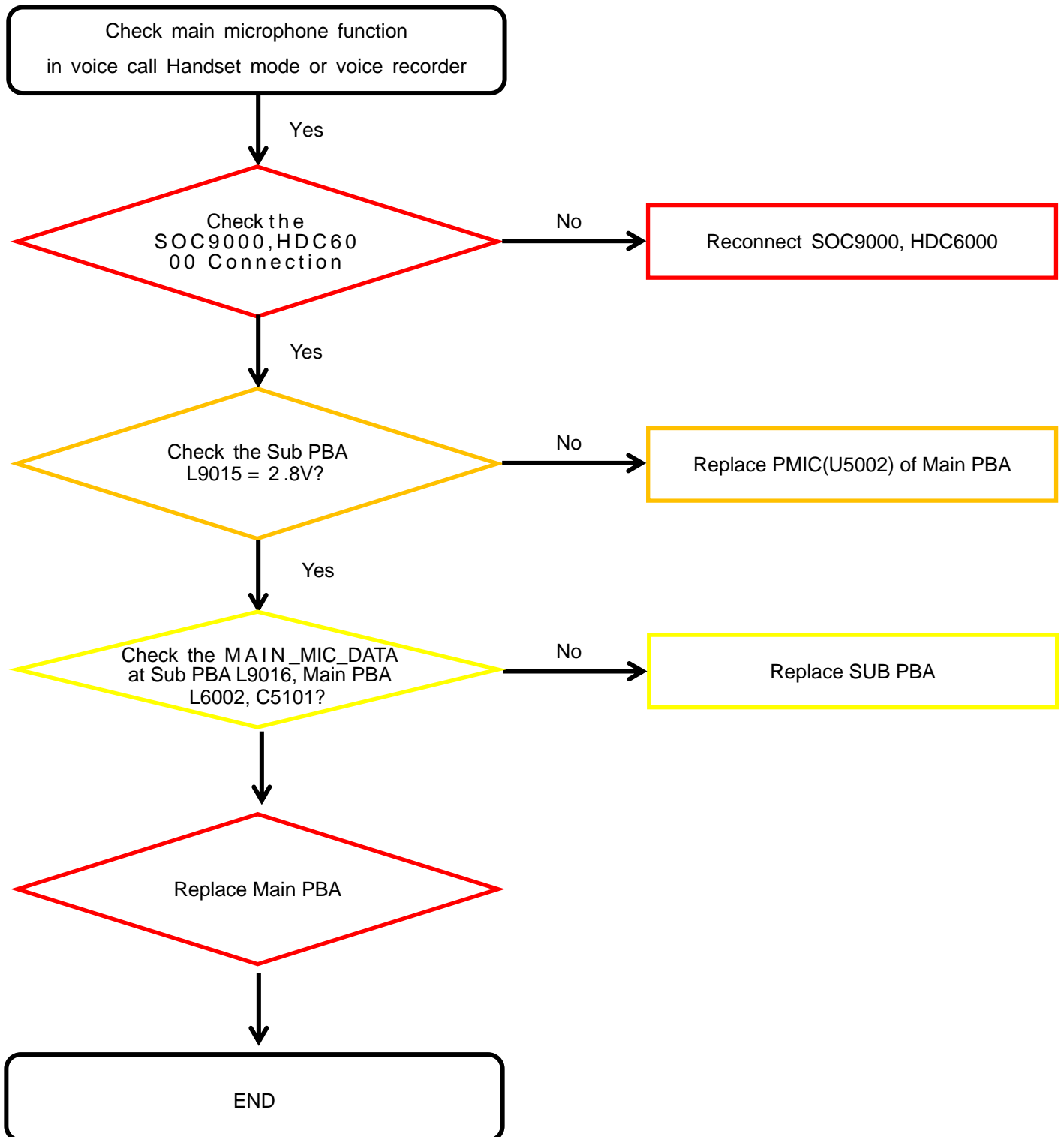
8. Level 3 Repair

8-4-15. Motor



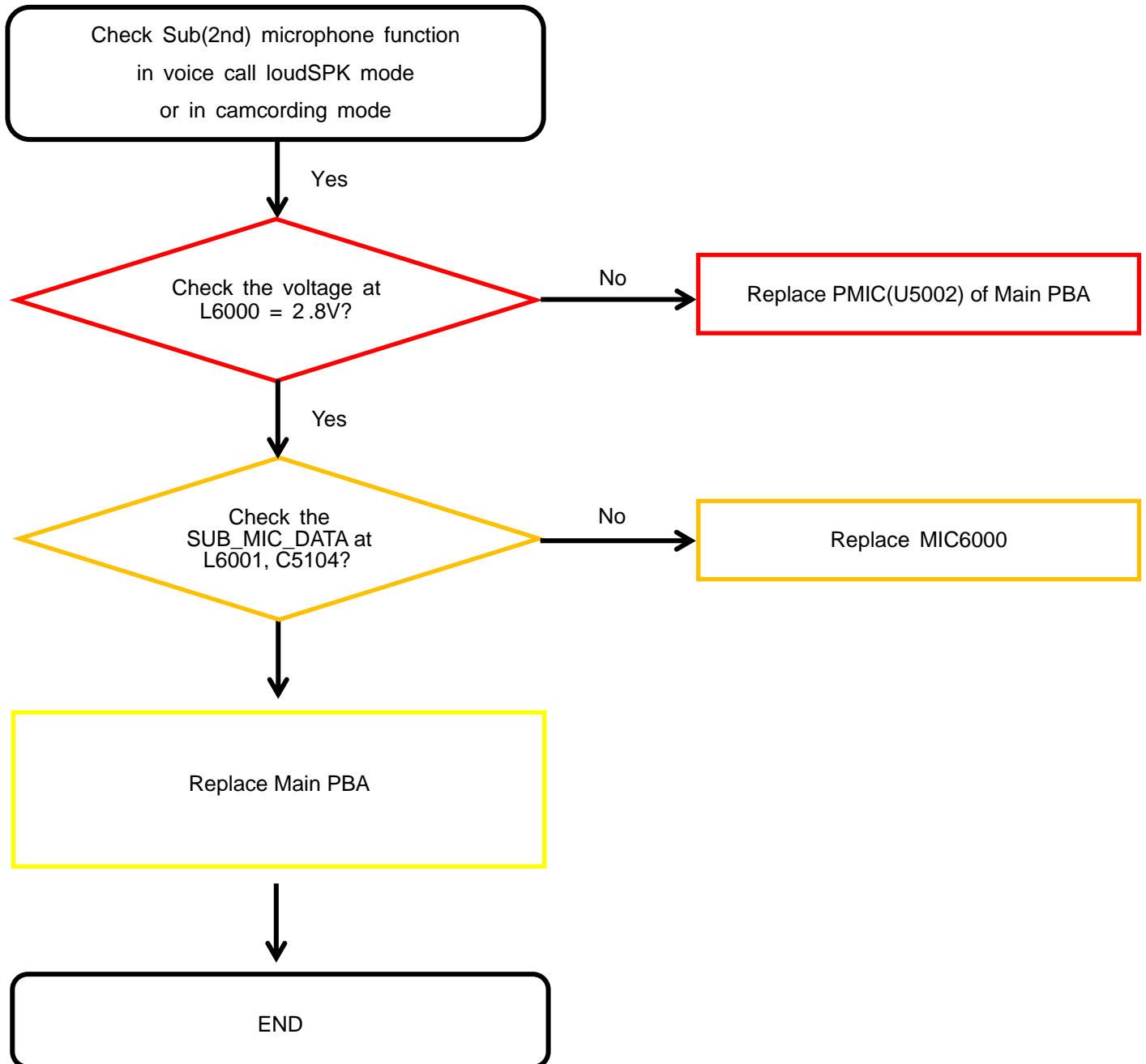
8. Level 3 Repair

8-4-16. Microphone Part - Main MIC



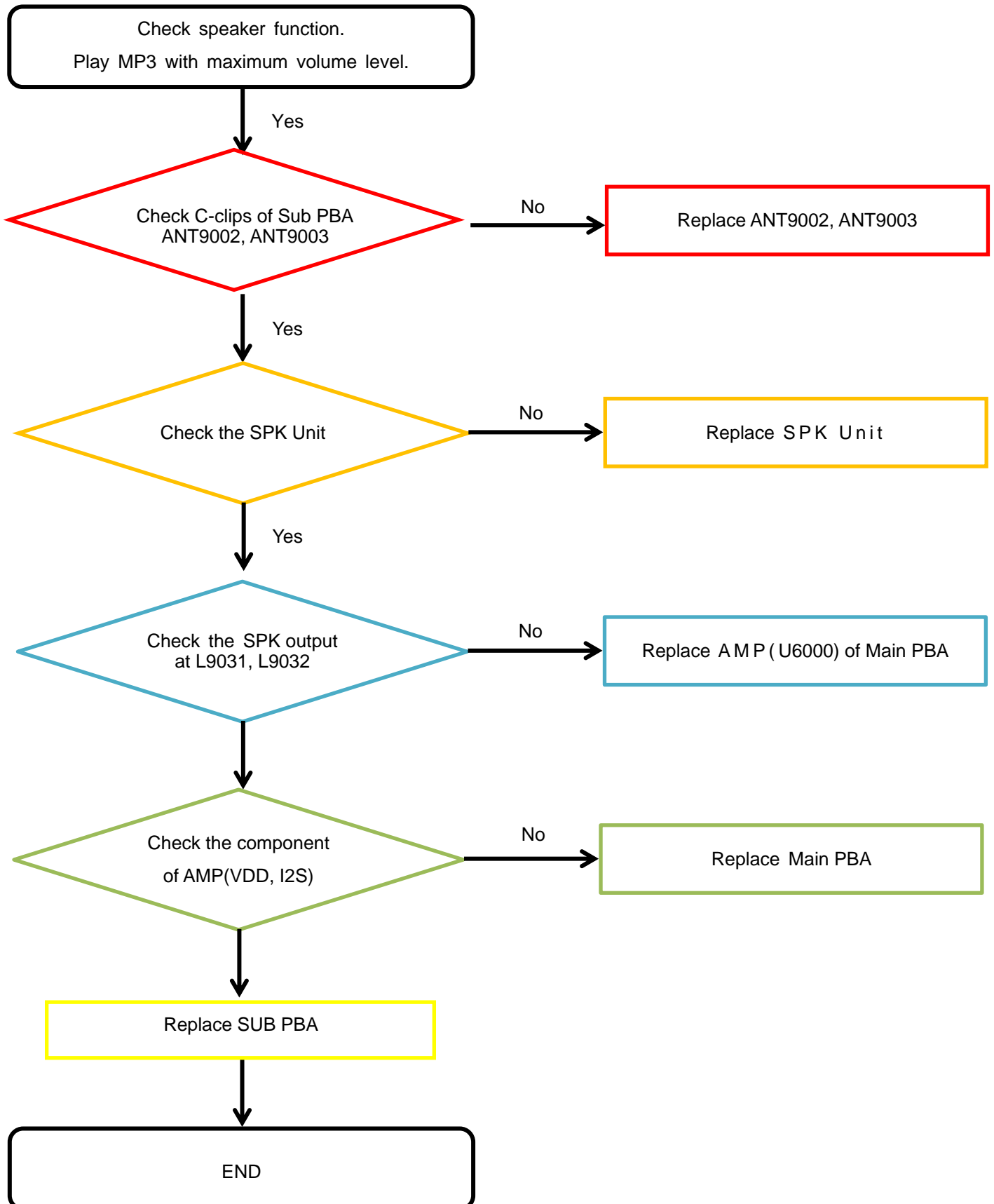
8. Level 3 Repair

8-4-17. Microphone Part - Sub(2nd) MIC



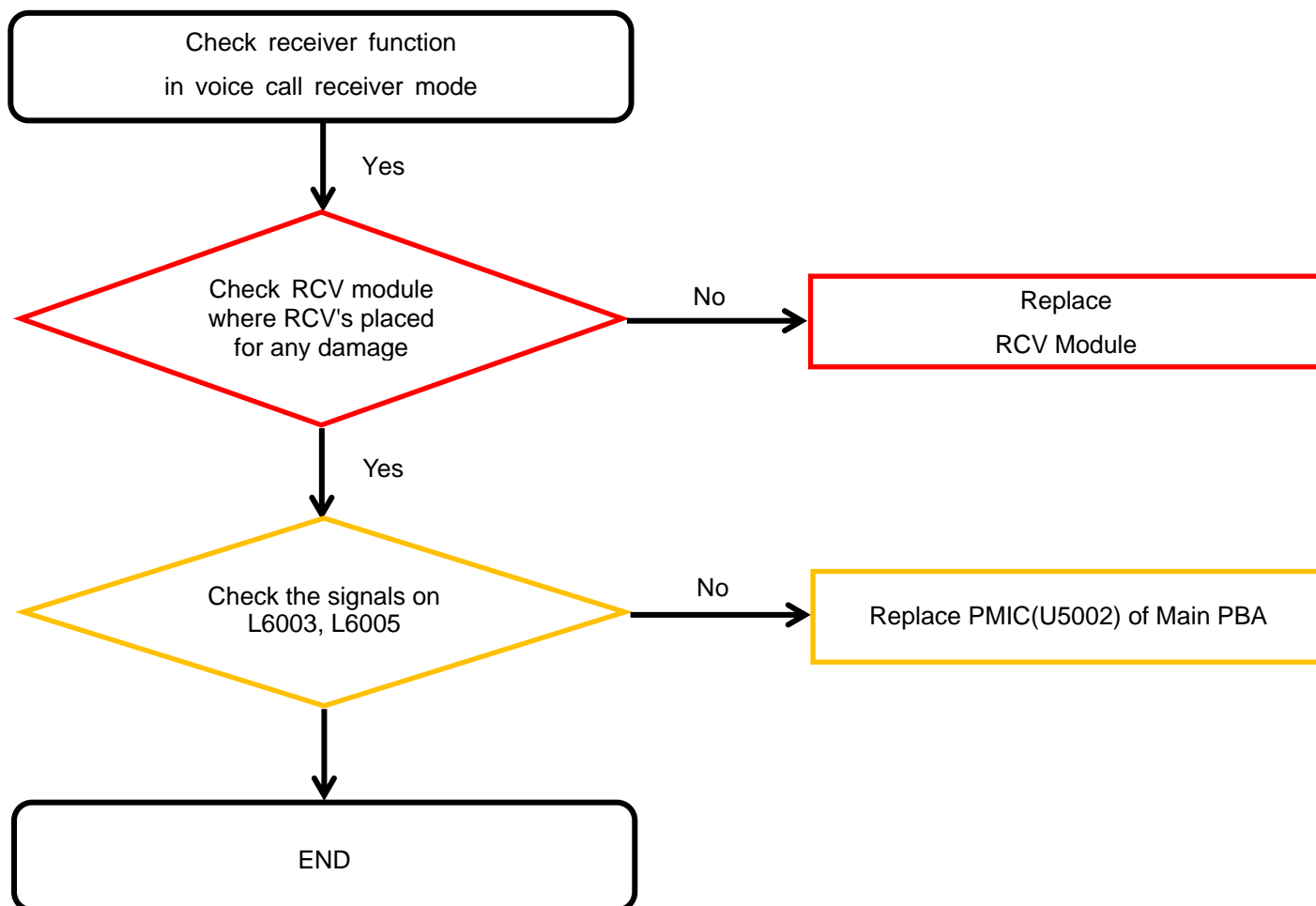
8. Level 3 Repair

8-4-18. Speaker Part



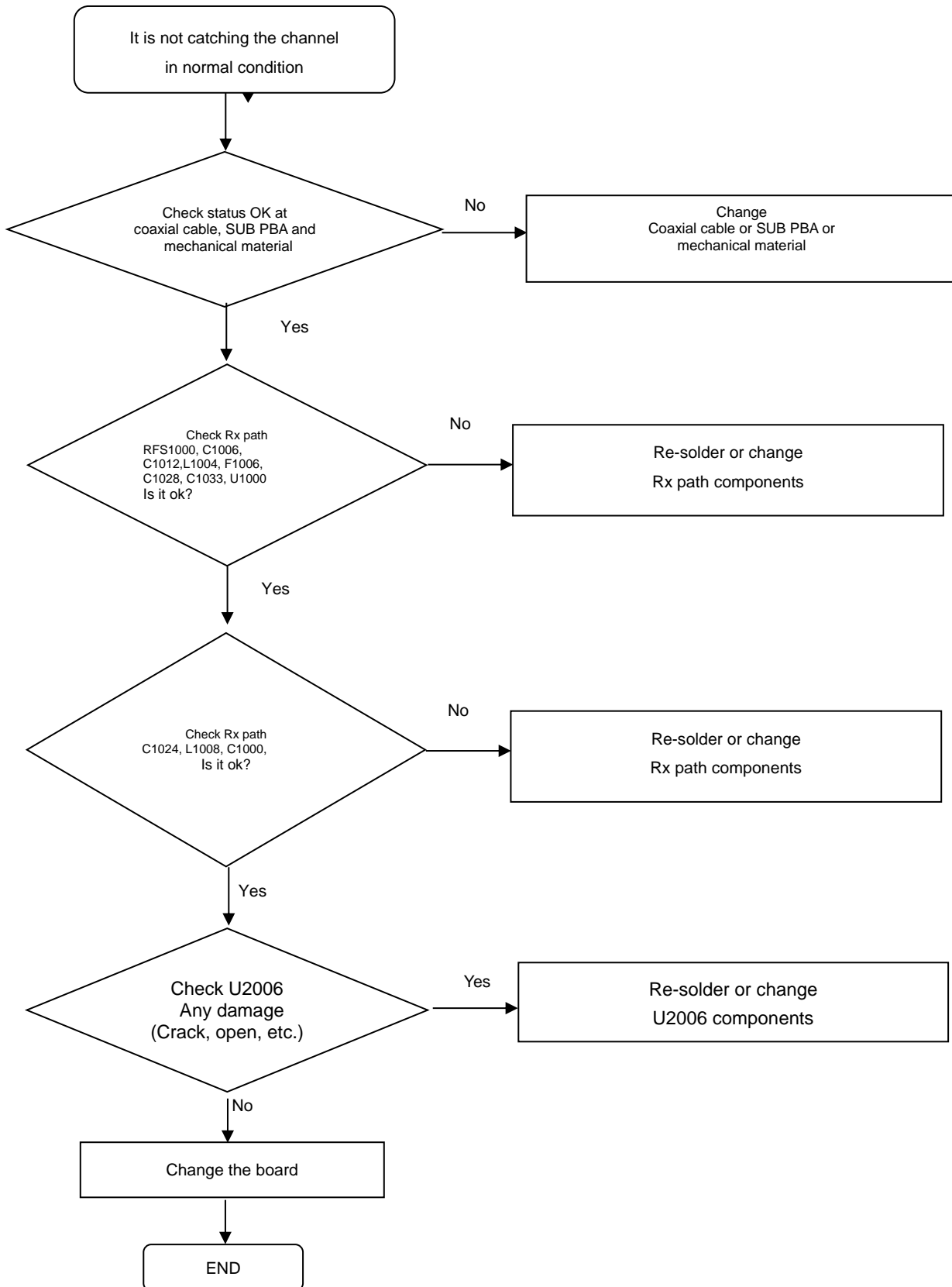
8. Level 3 Repair

8-4-19. Receiver Part



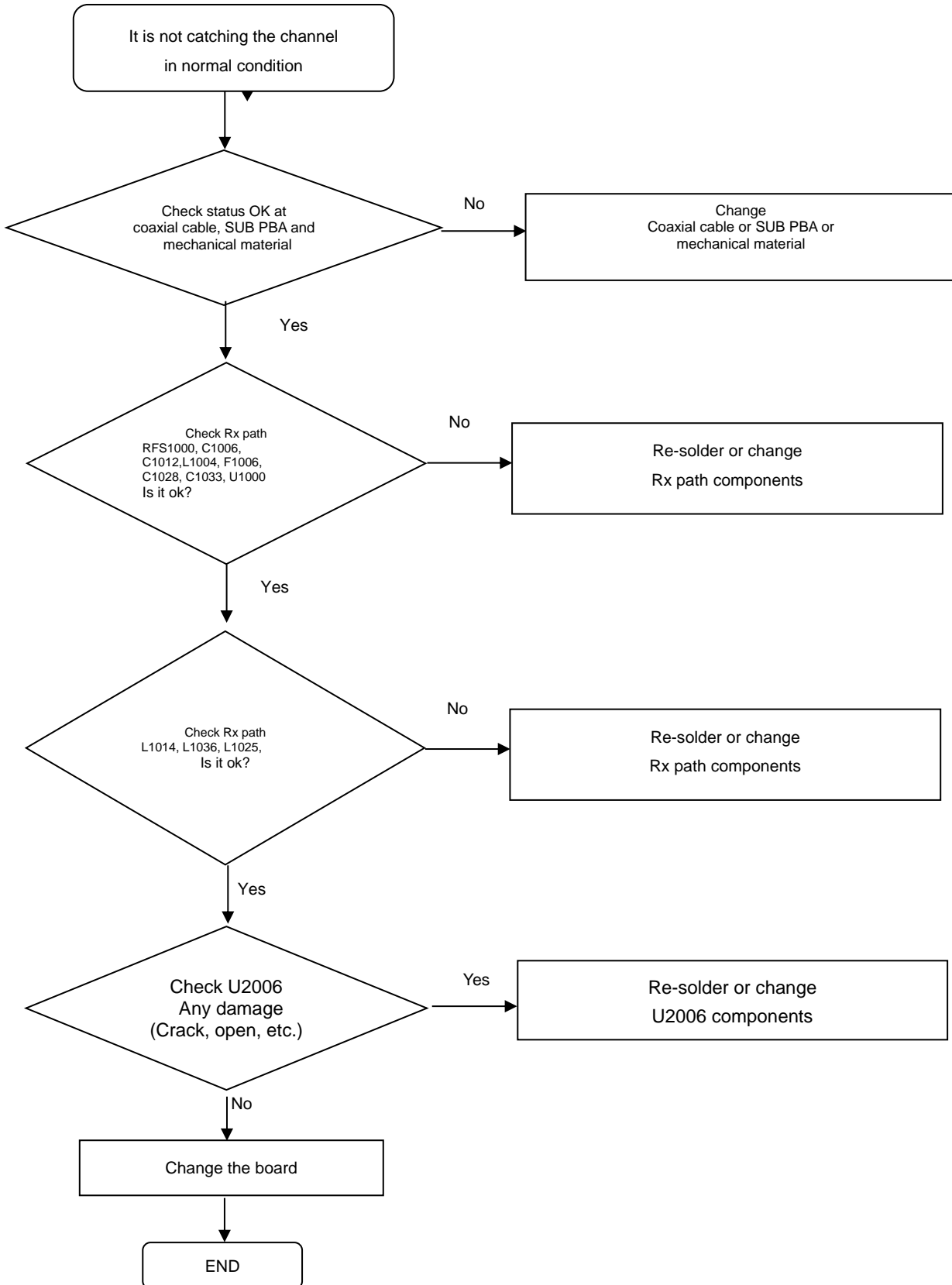
8. Level 3 Repair

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



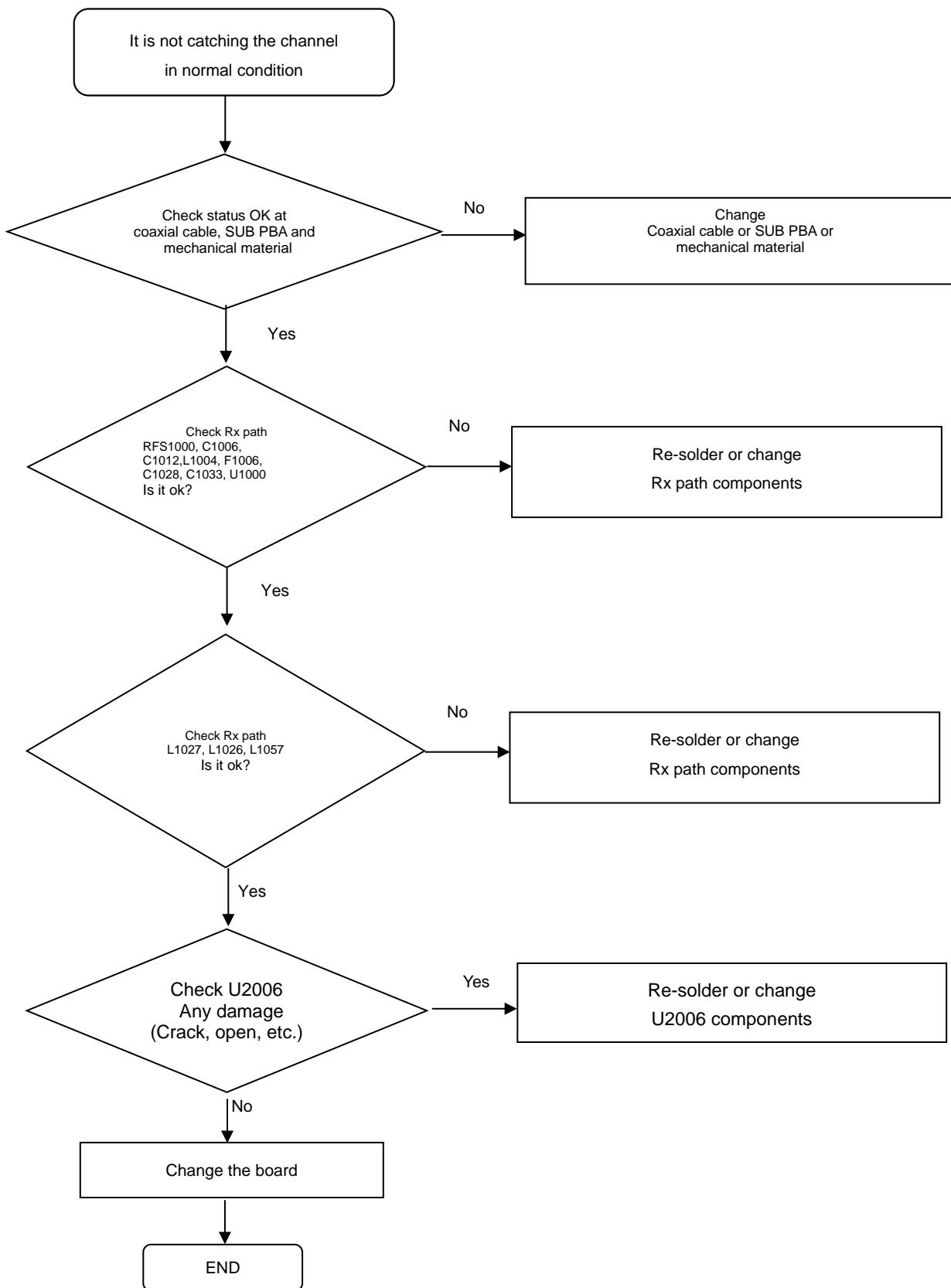
8. Level 3 Repair

8-4-21. LTE B2, WCDMA B2, GSM1900 RX



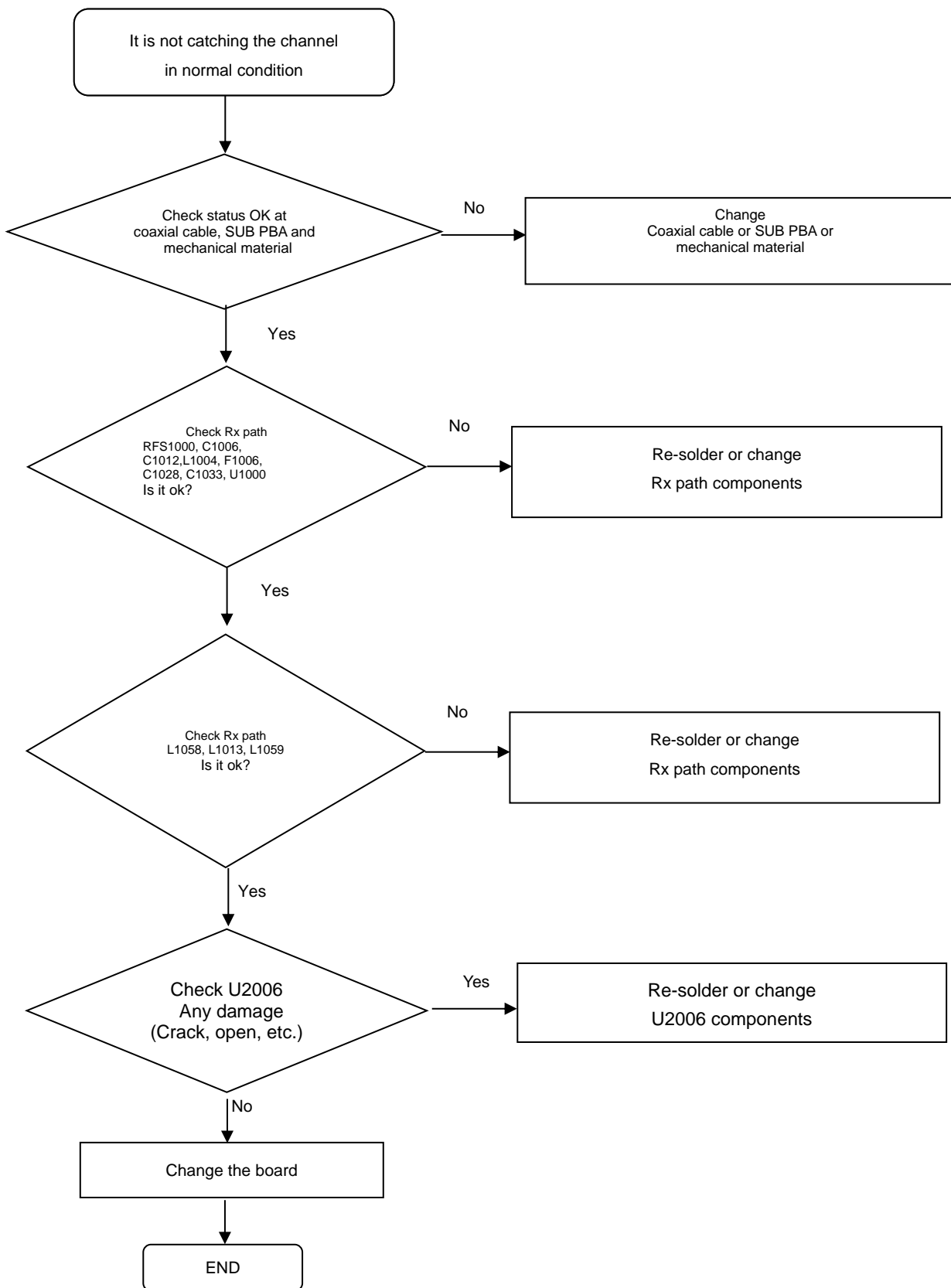
8. Level 3 Repair

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



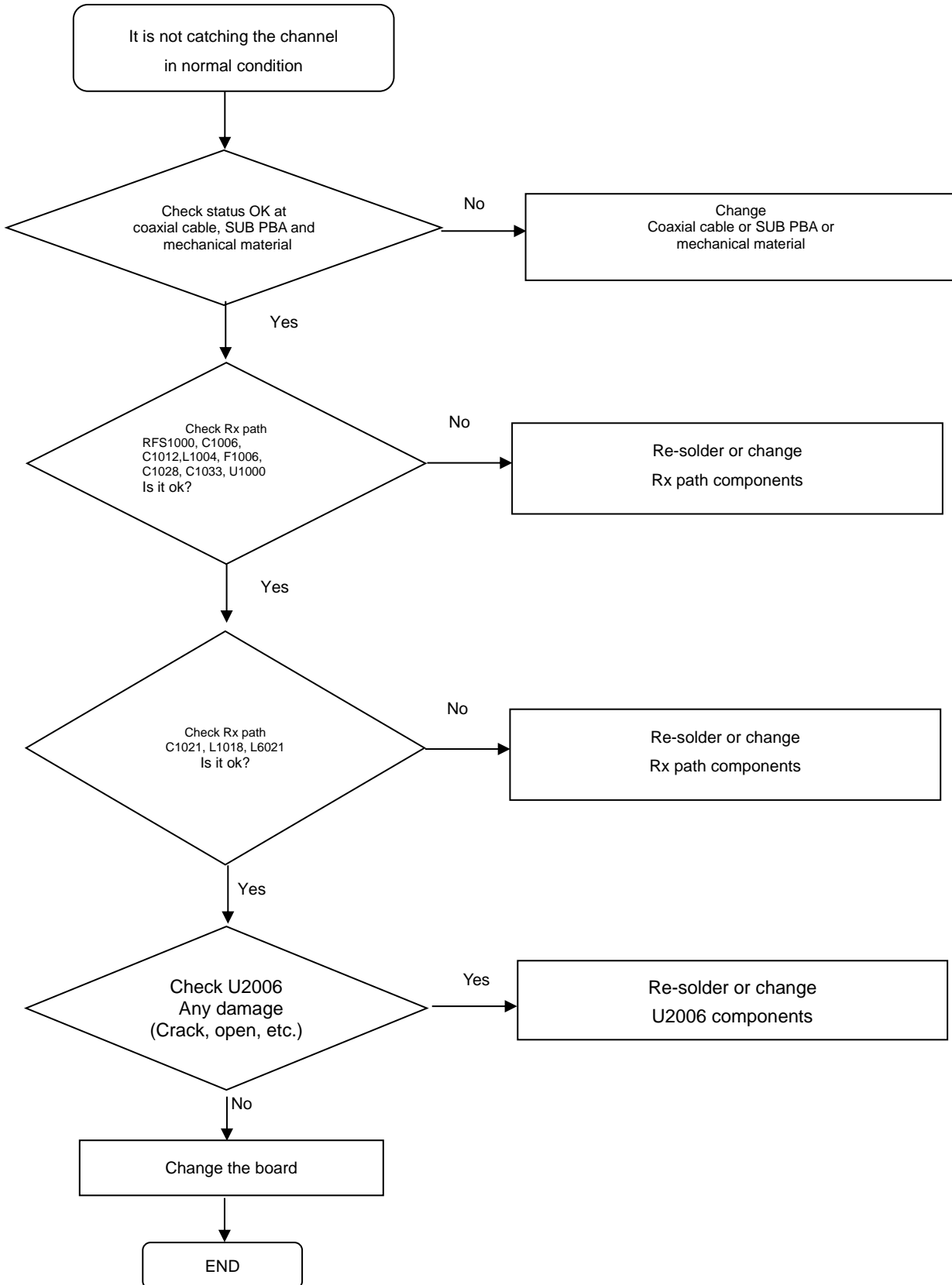
8. Level 3 Repair

8-4-23. LTE B4, WCDMA B4 RX



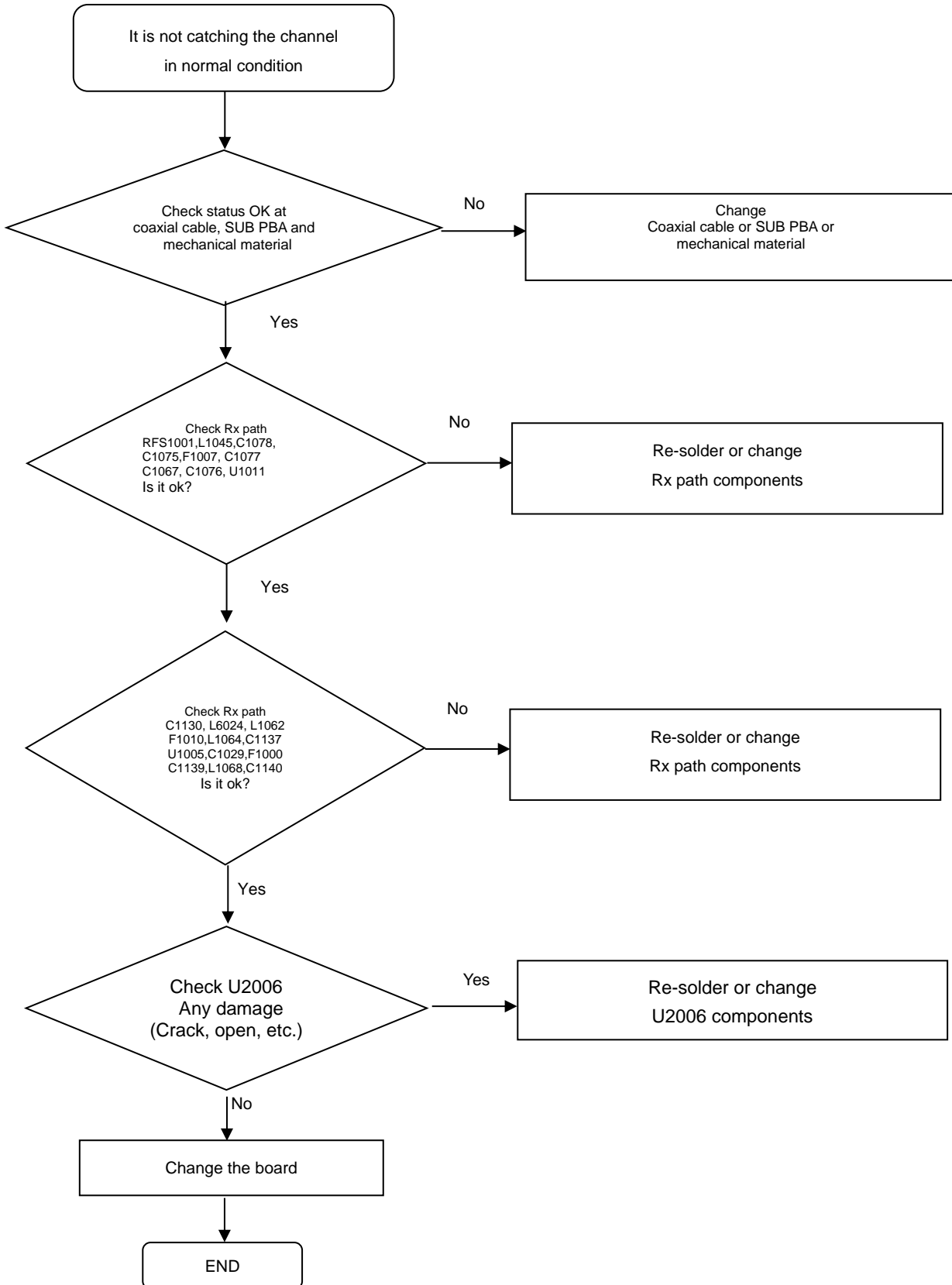
8. Level 3 Repair

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



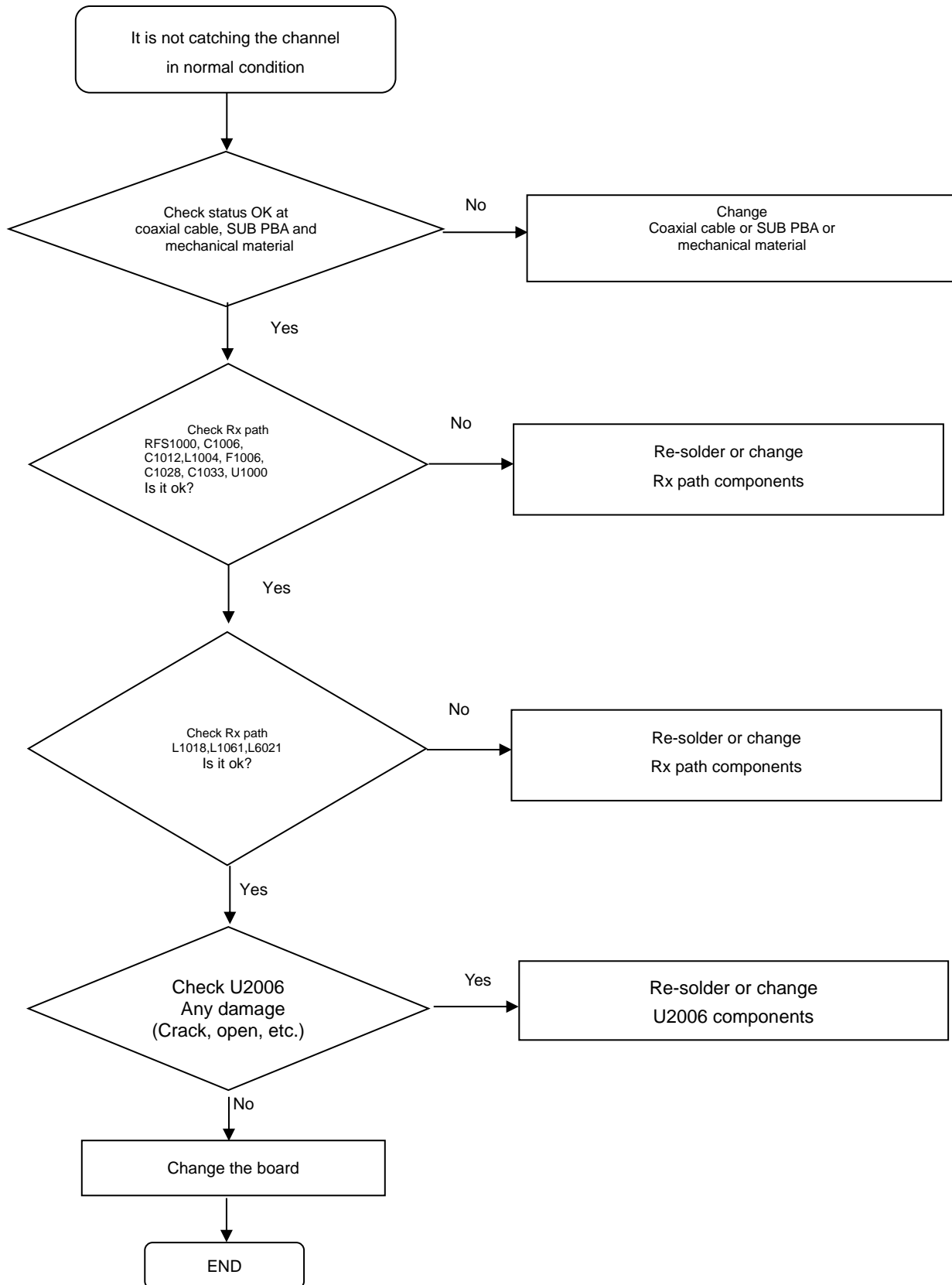
8. Level 3 Repair

8-4-25. LTE B7 RX



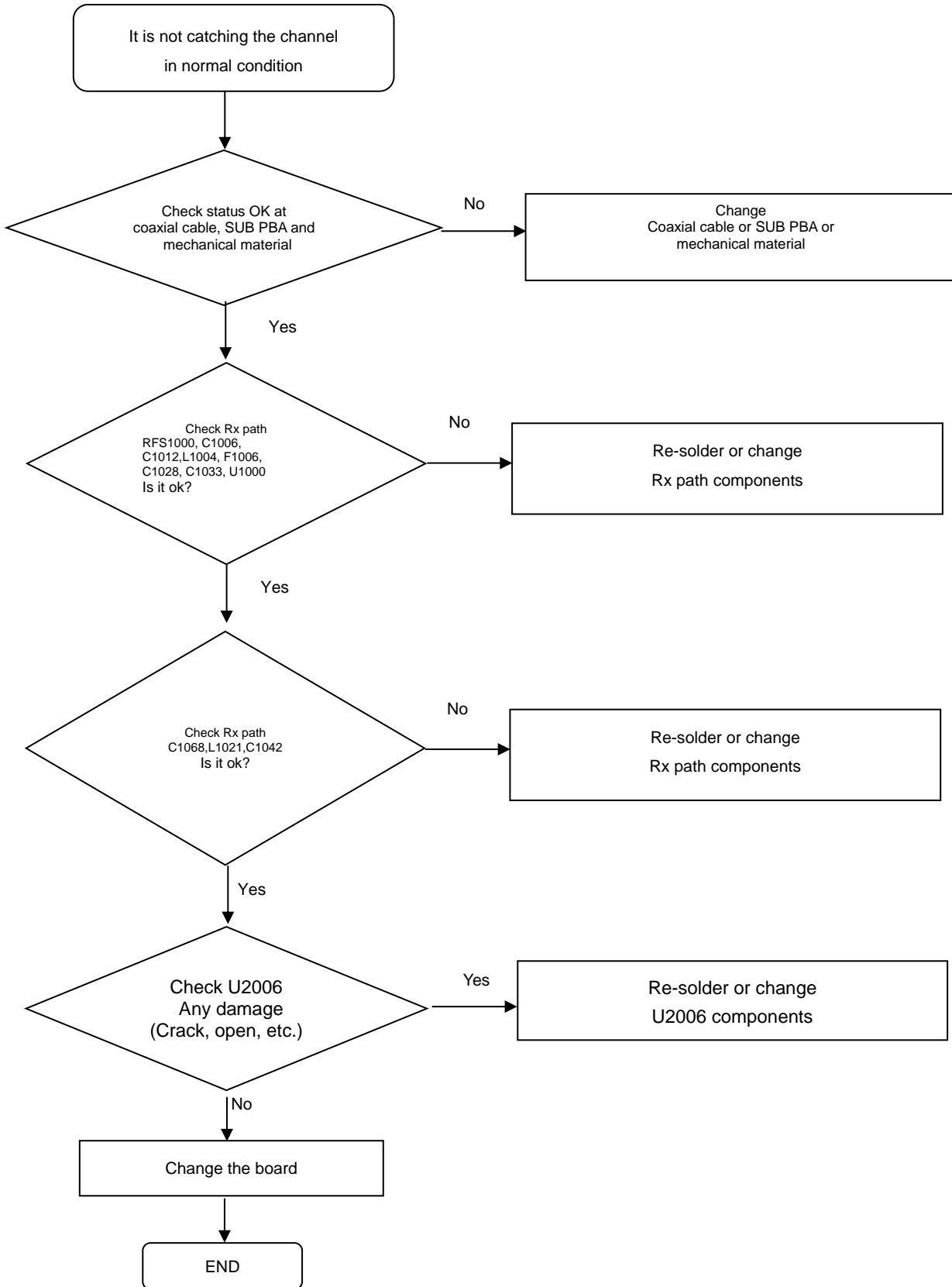
8. Level 3 Repair

8-4-26. LTE B8, WCDMA B8, GSM900 RX



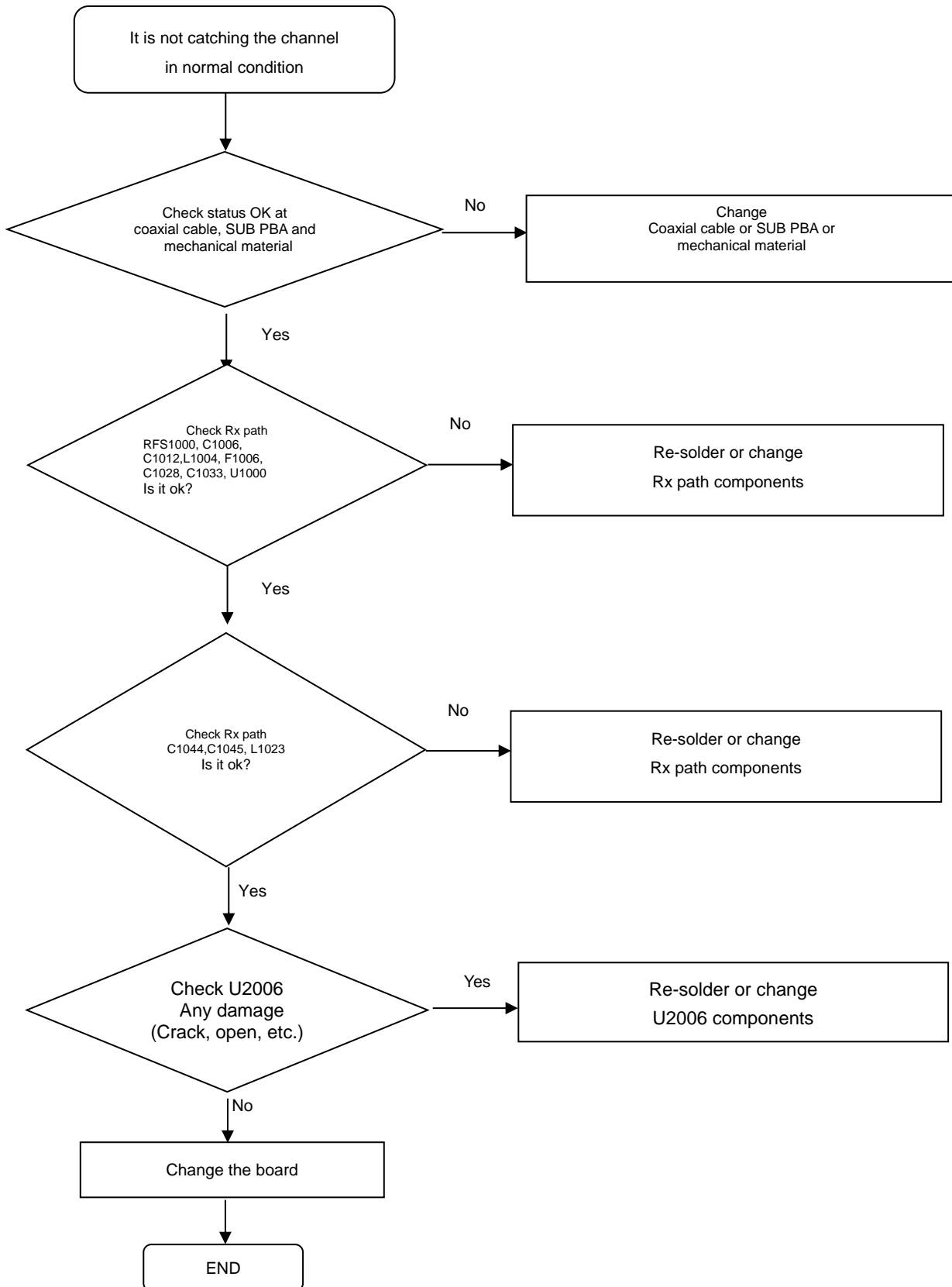
8. Level 3 Repair

8-4-27. LTE B12, LTE B17 RX



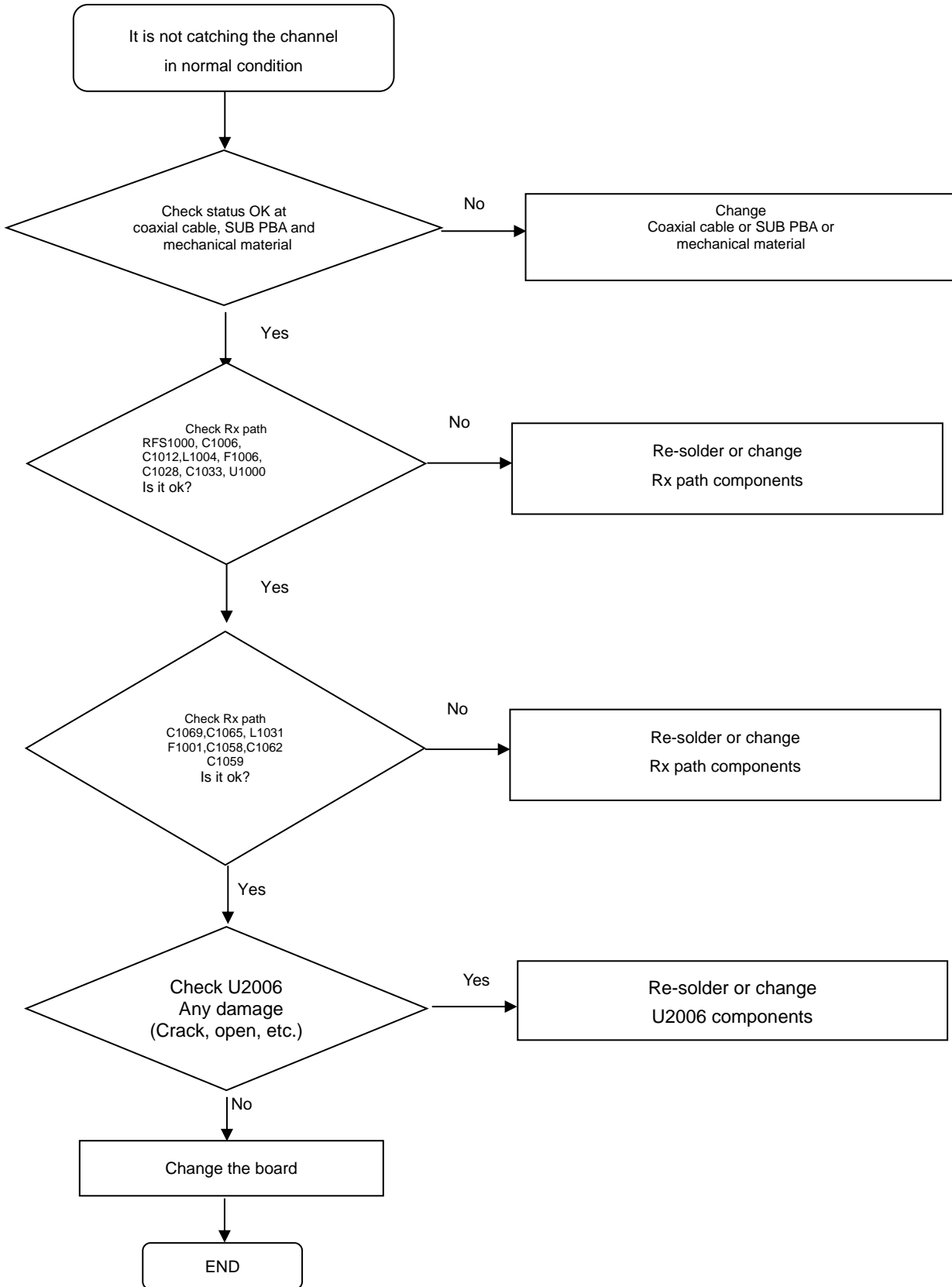
8. Level 3 Repair

8-4-28. LTE B20 RX



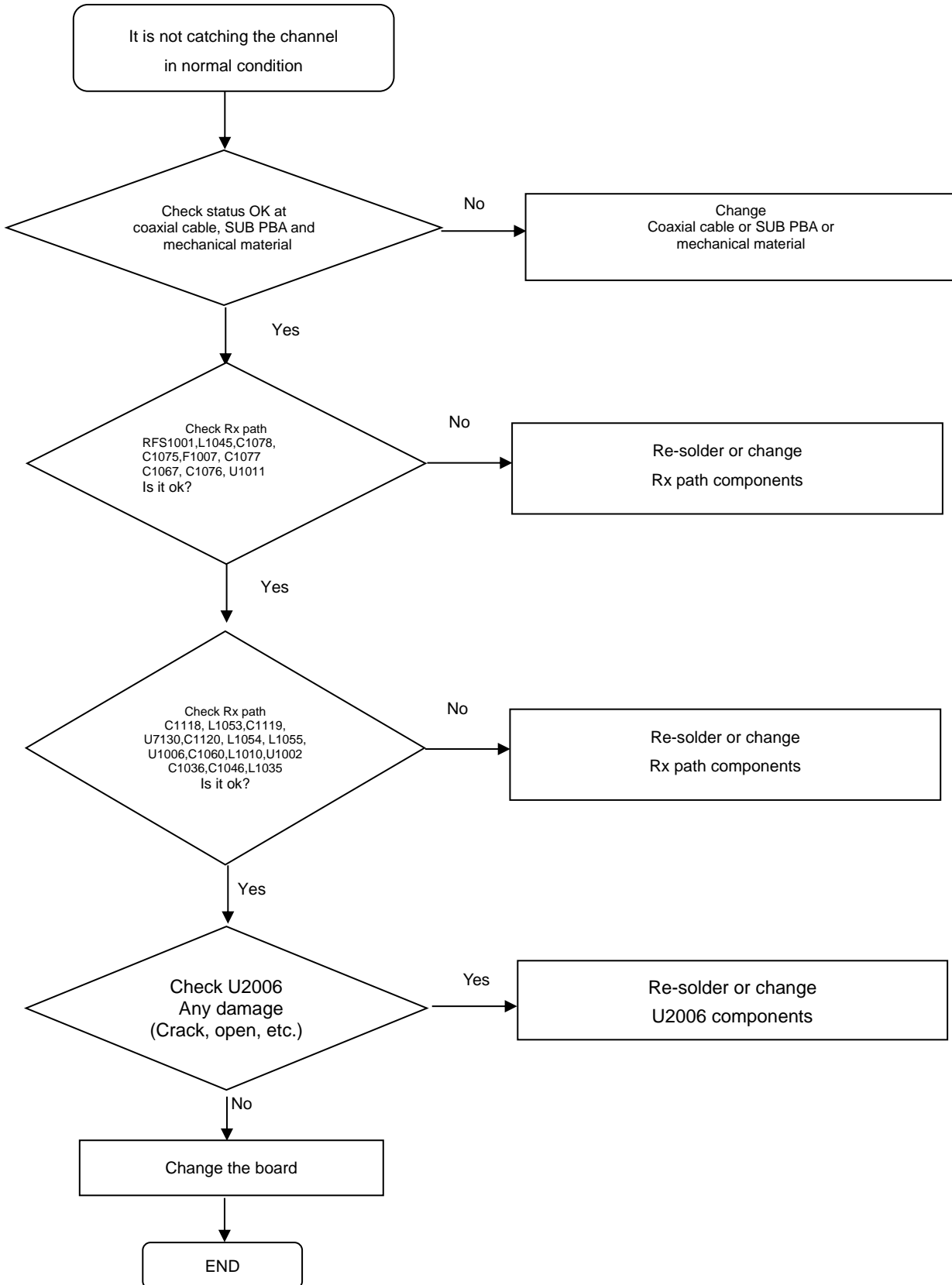
8. Level 3 Repair

8-4-29. LTE B28 RX



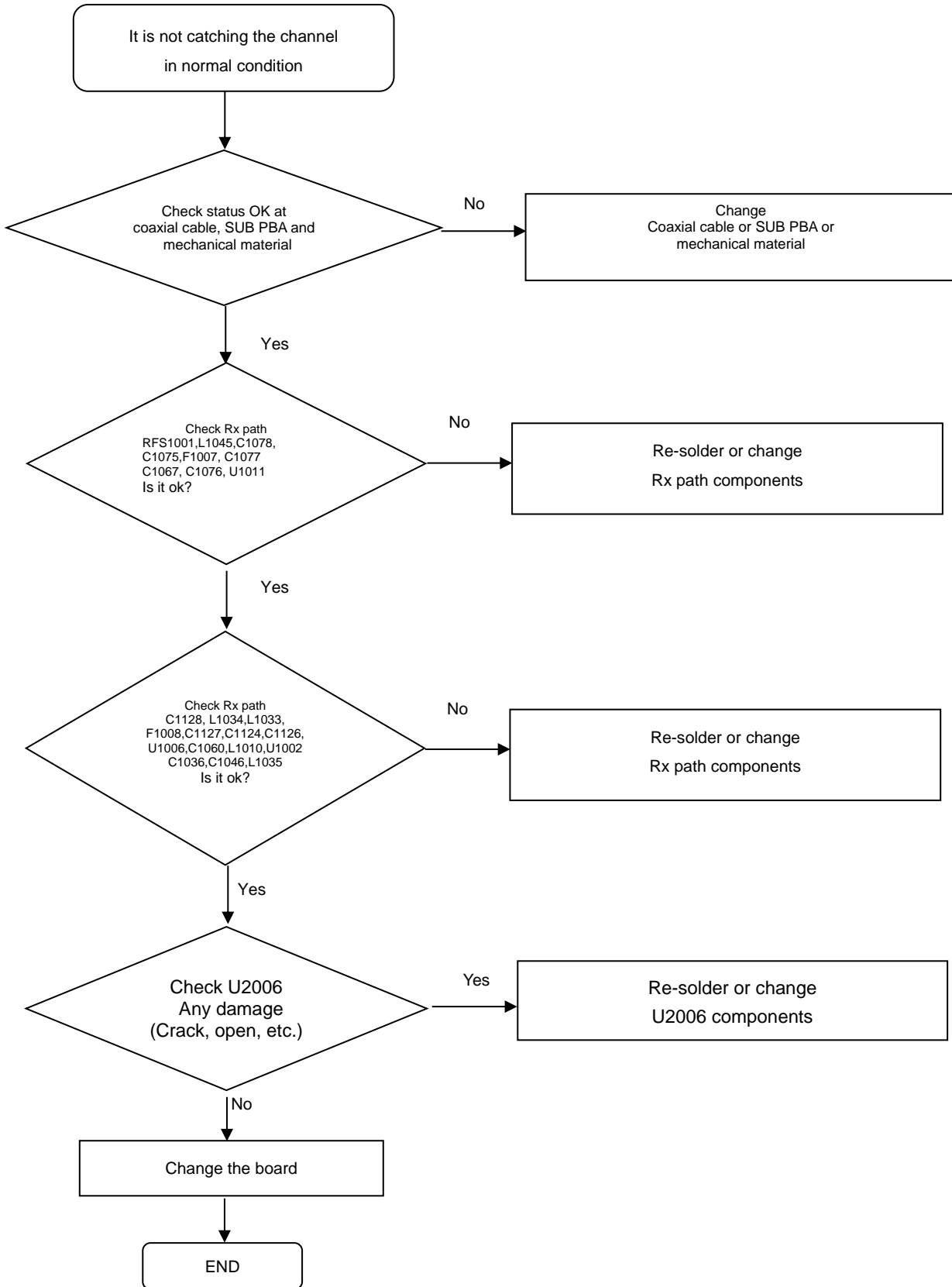
8. Level 3 Repair

8-4-30. LTE B38, B41 RX



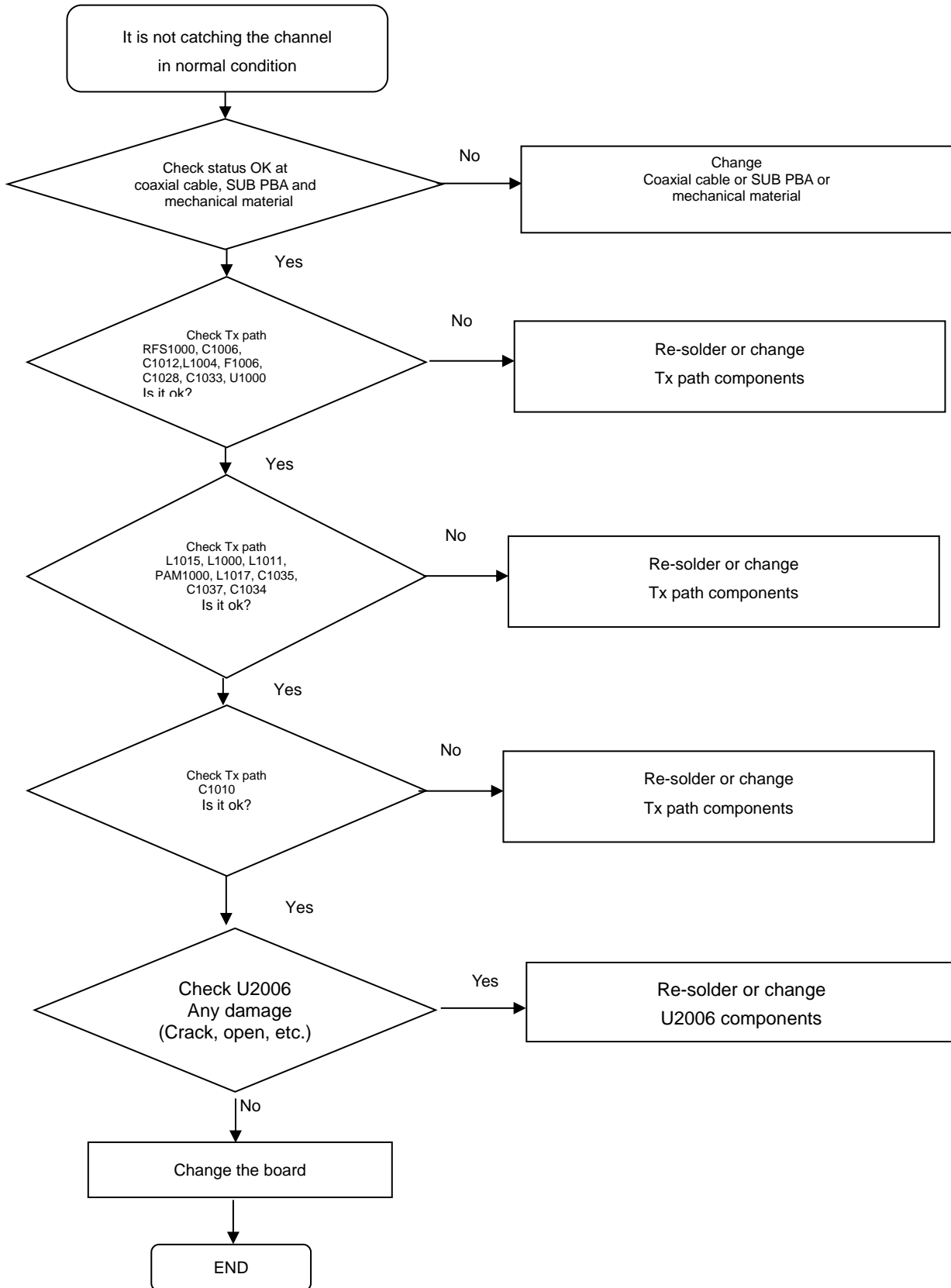
8. Level 3 Repair

8-4-31. LTE B40 RX



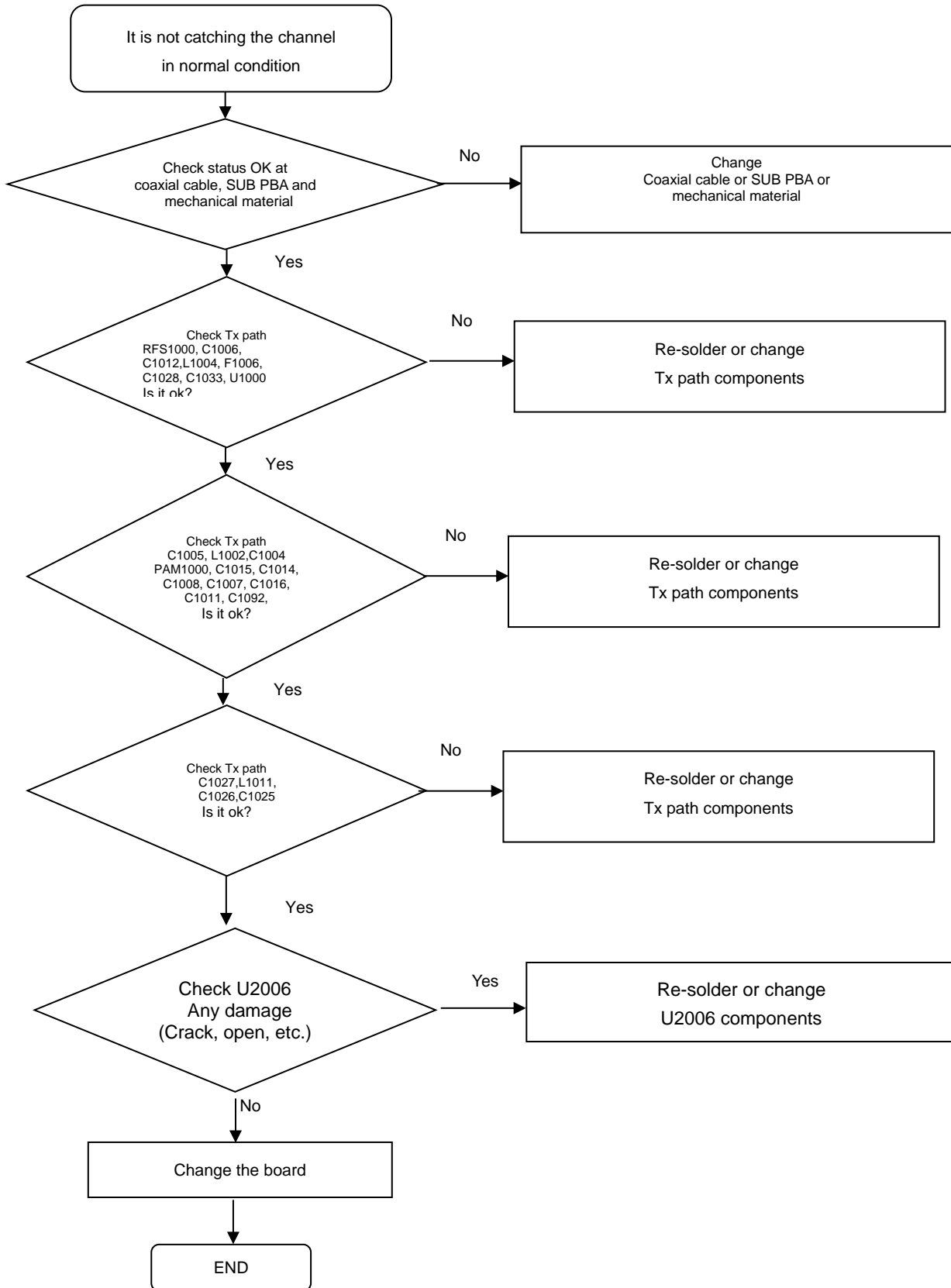
8. Level 3 Repair

8-4-32. GSM1800, GSM1900 TX



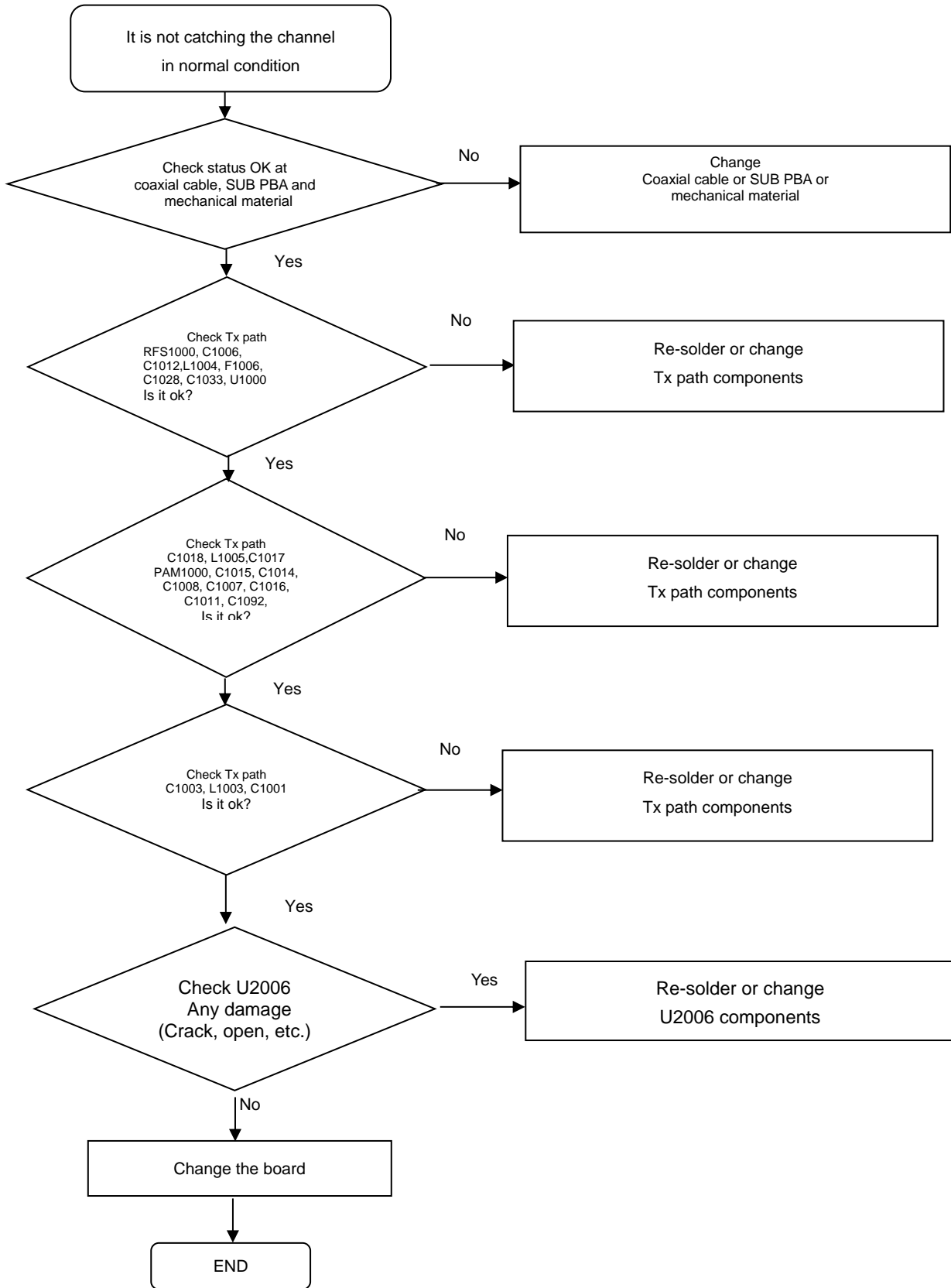
8. Level 3 Repair

8-4-33. GSM850, GSM900 TX



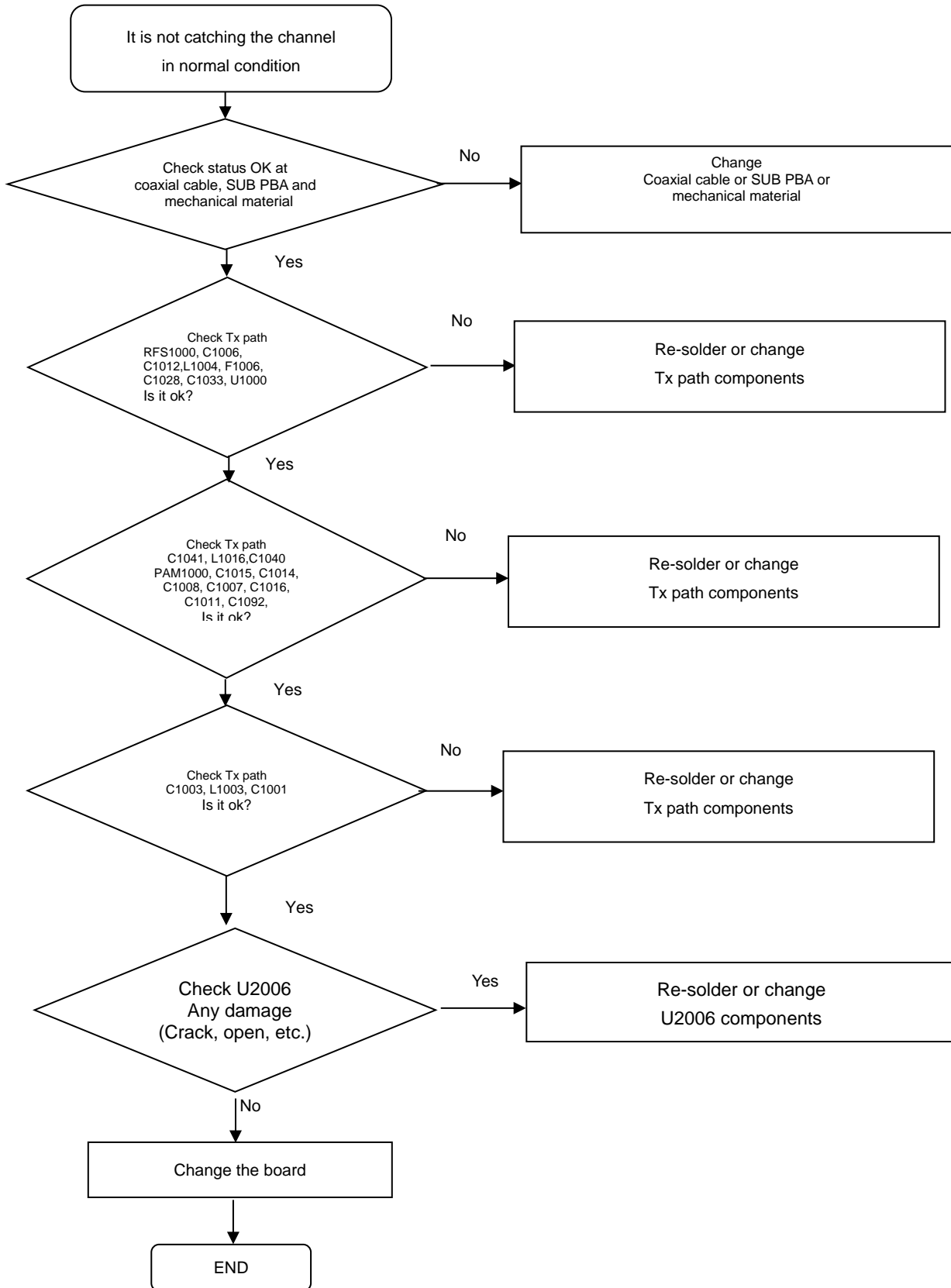
8. Level 3 Repair

8-4-34. LTE B1, WCDMA B1 TX



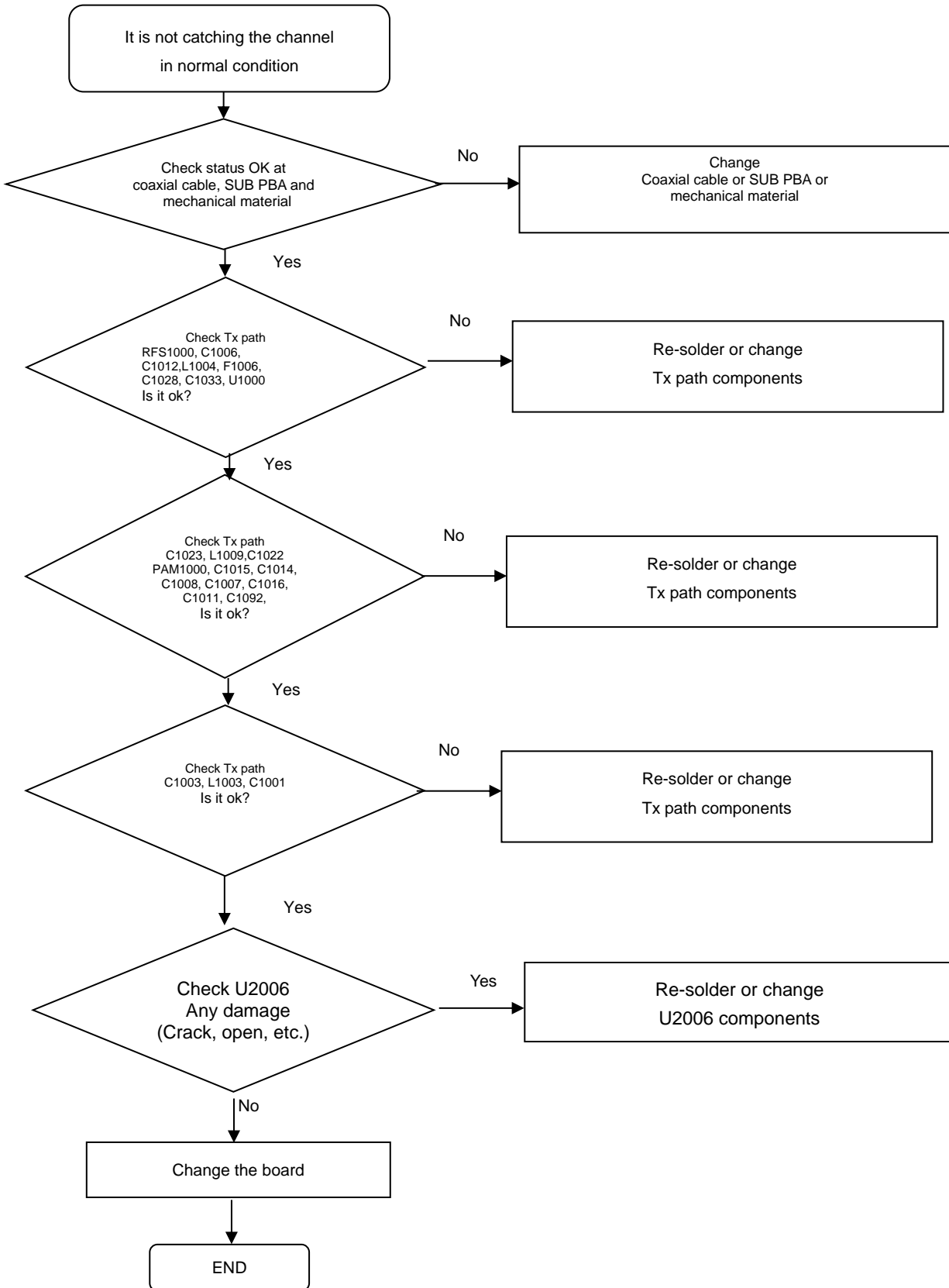
8. Level 3 Repair

8-4-35. LTE B2, WCDMA B2 TX



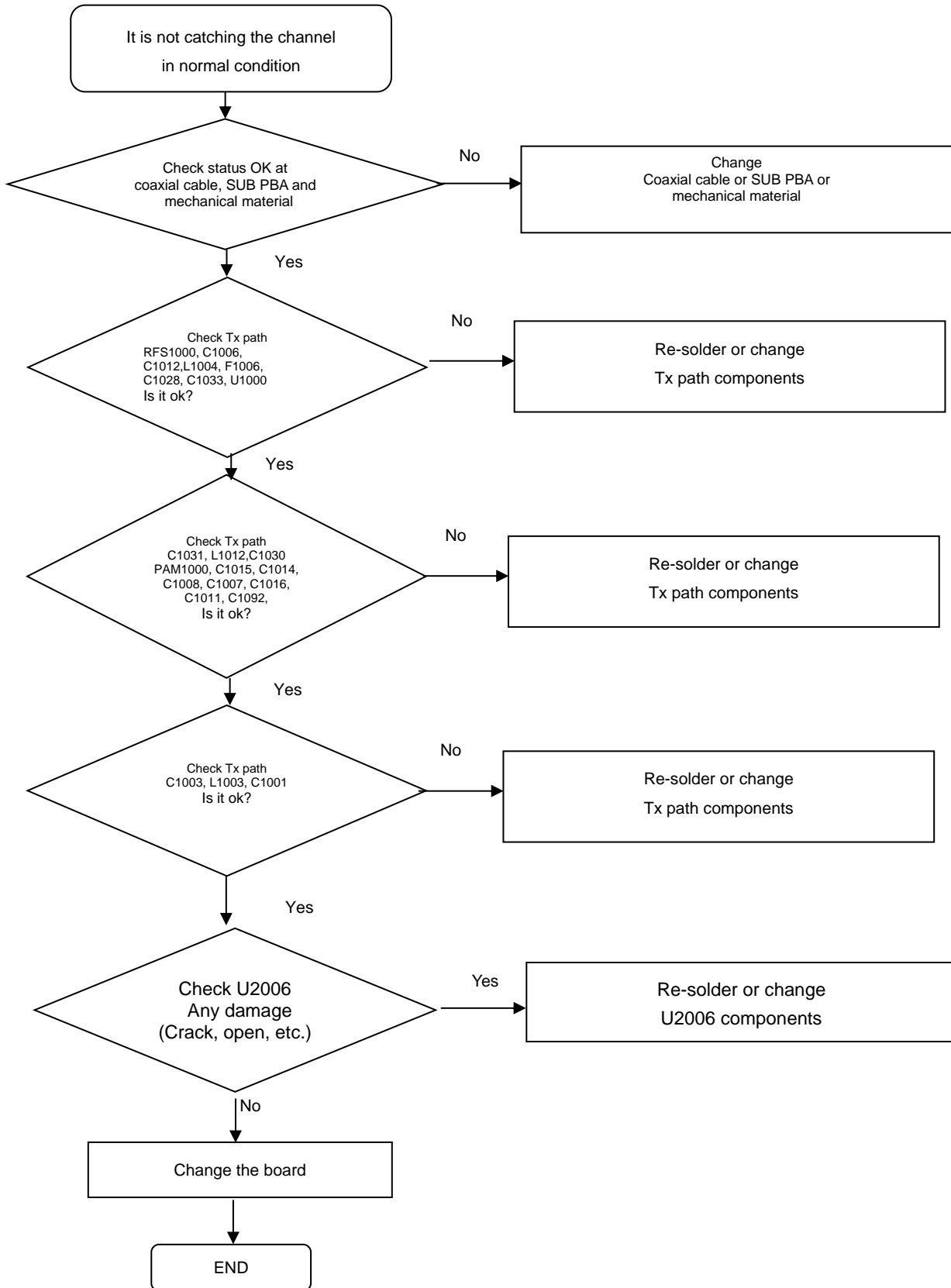
8. Level 3 Repair

8-4-36. LTE B3 TX



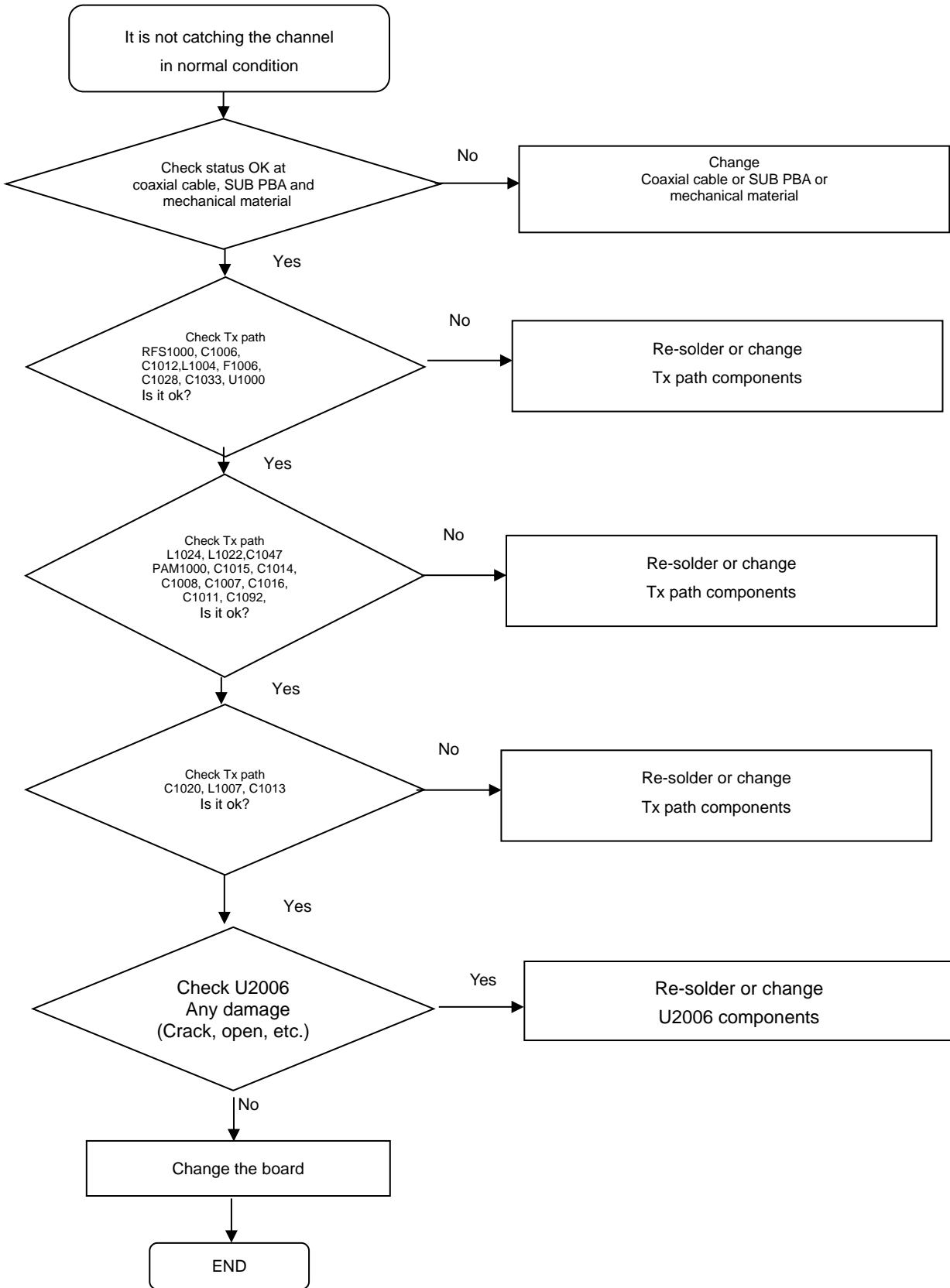
8. Level 3 Repair

8-4-37. LTE B4, WCDMA B4 TX



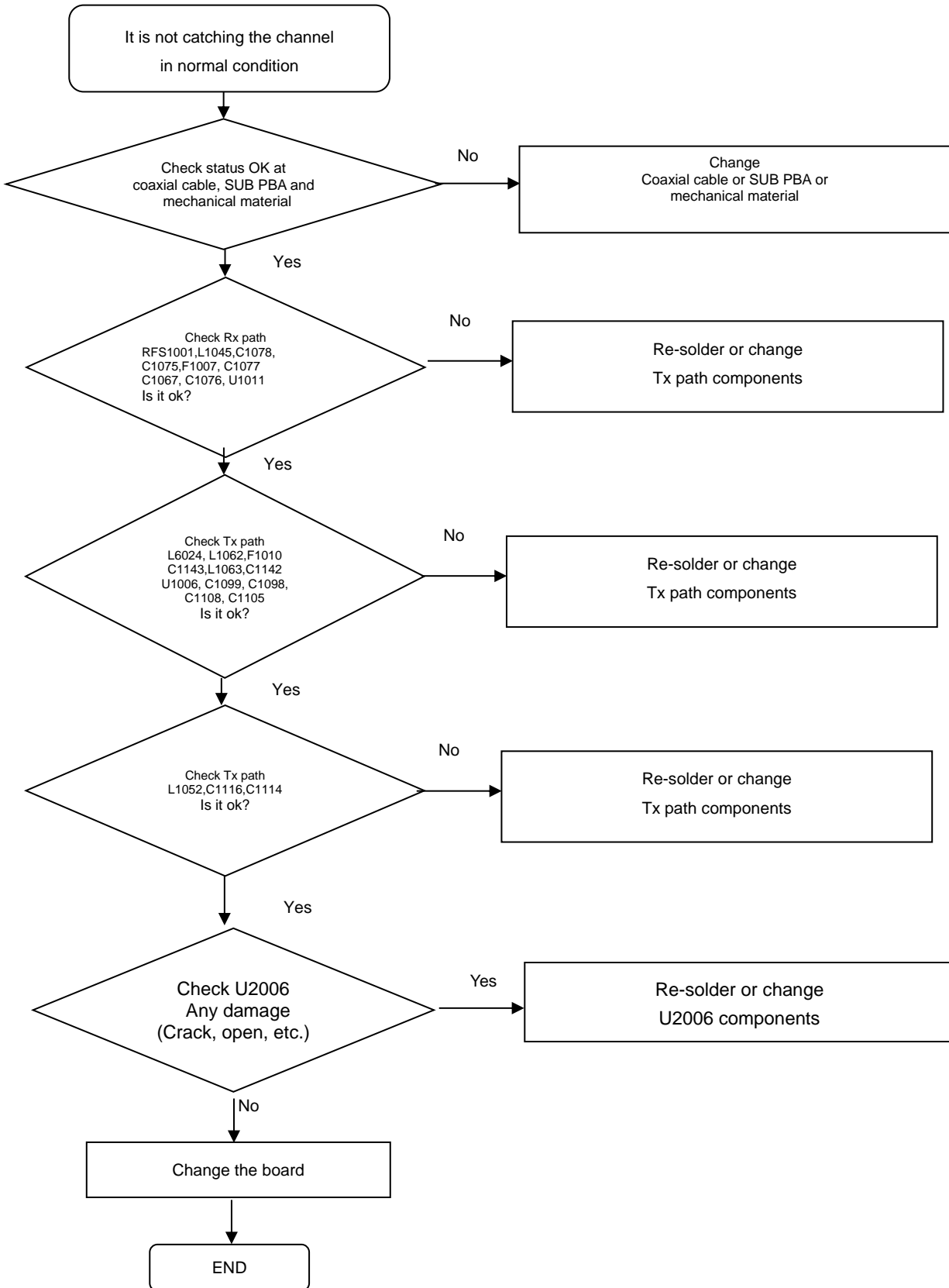
8. Level 3 Repair

8-4-38. LTE B5, WCDMA B5 TX



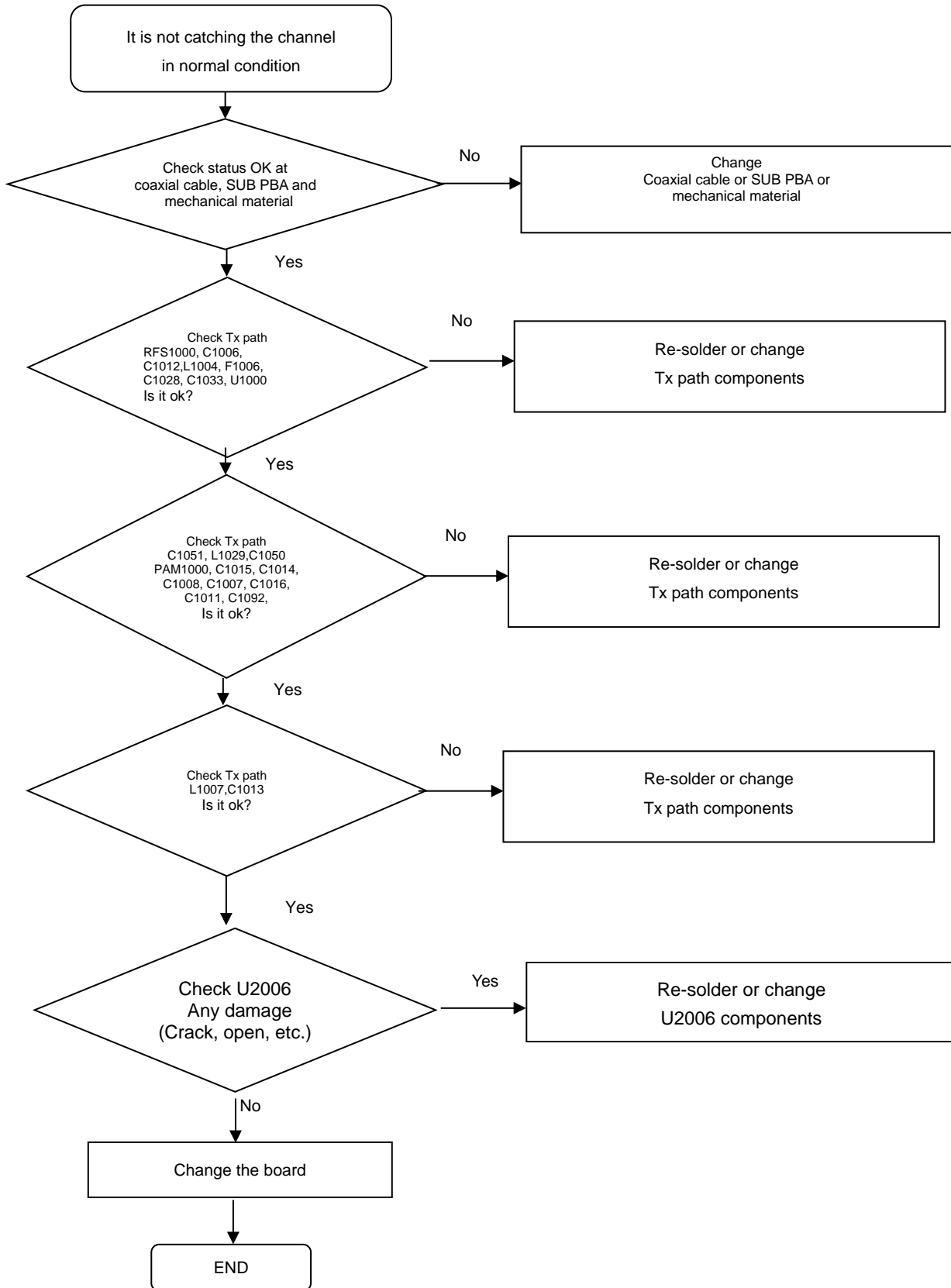
8. Level 3 Repair

8-4-39. LTE B7 TX



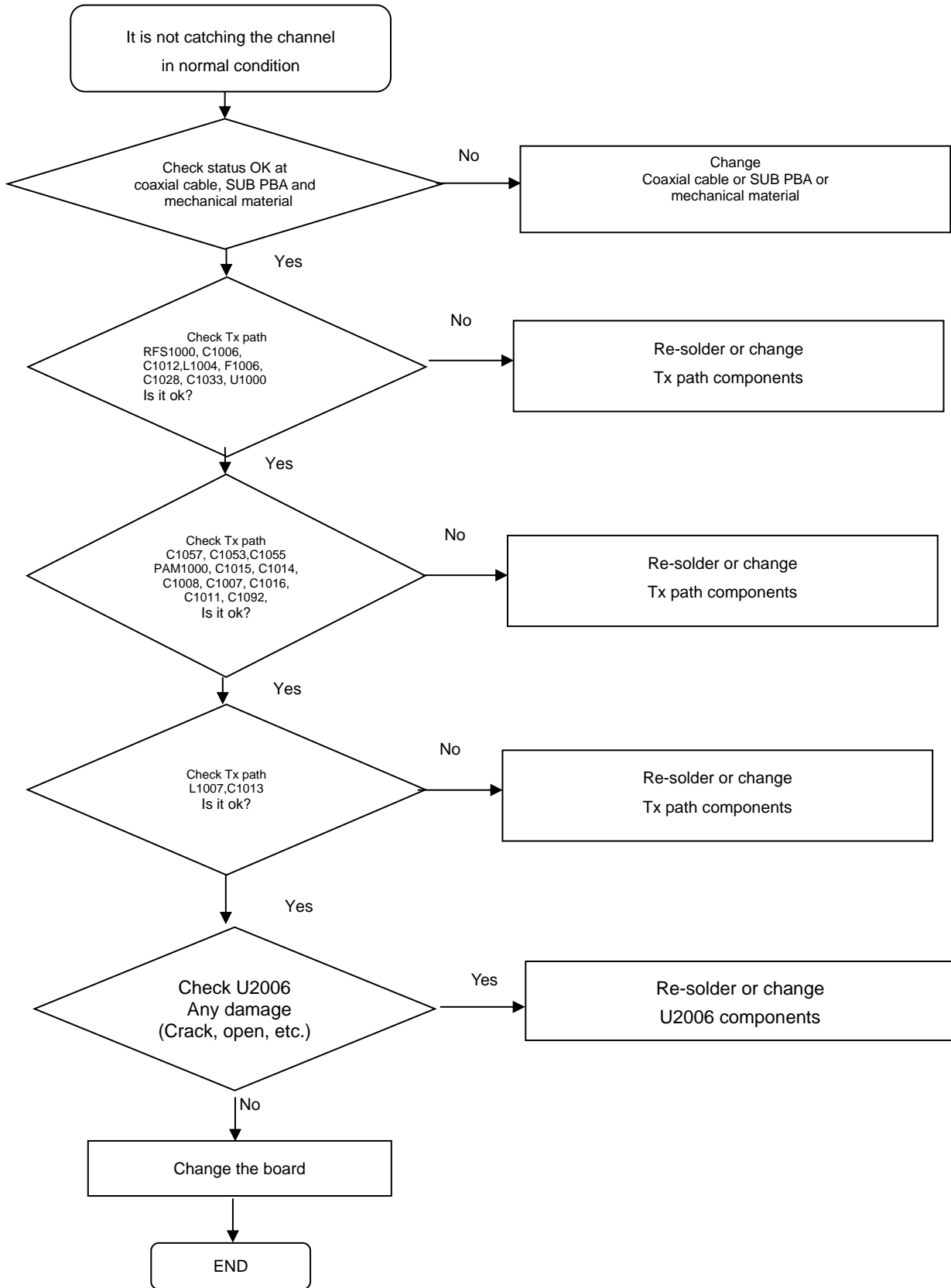
8. Level 3 Repair

8-4-42. LTE B8, WCDMA B8 TX



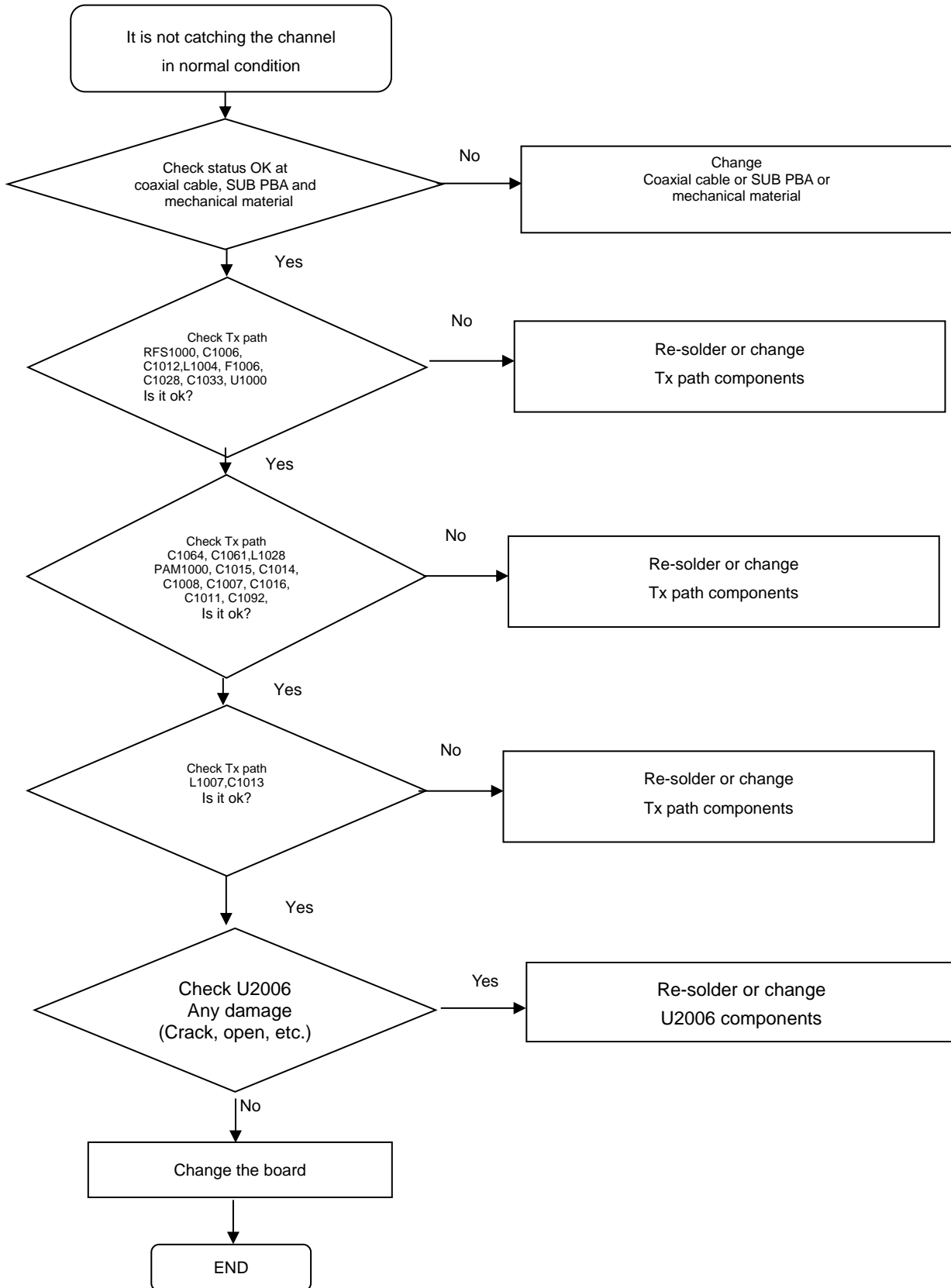
8. Level 3 Repair

8-4-43. LTE B12, LTE B17 TX



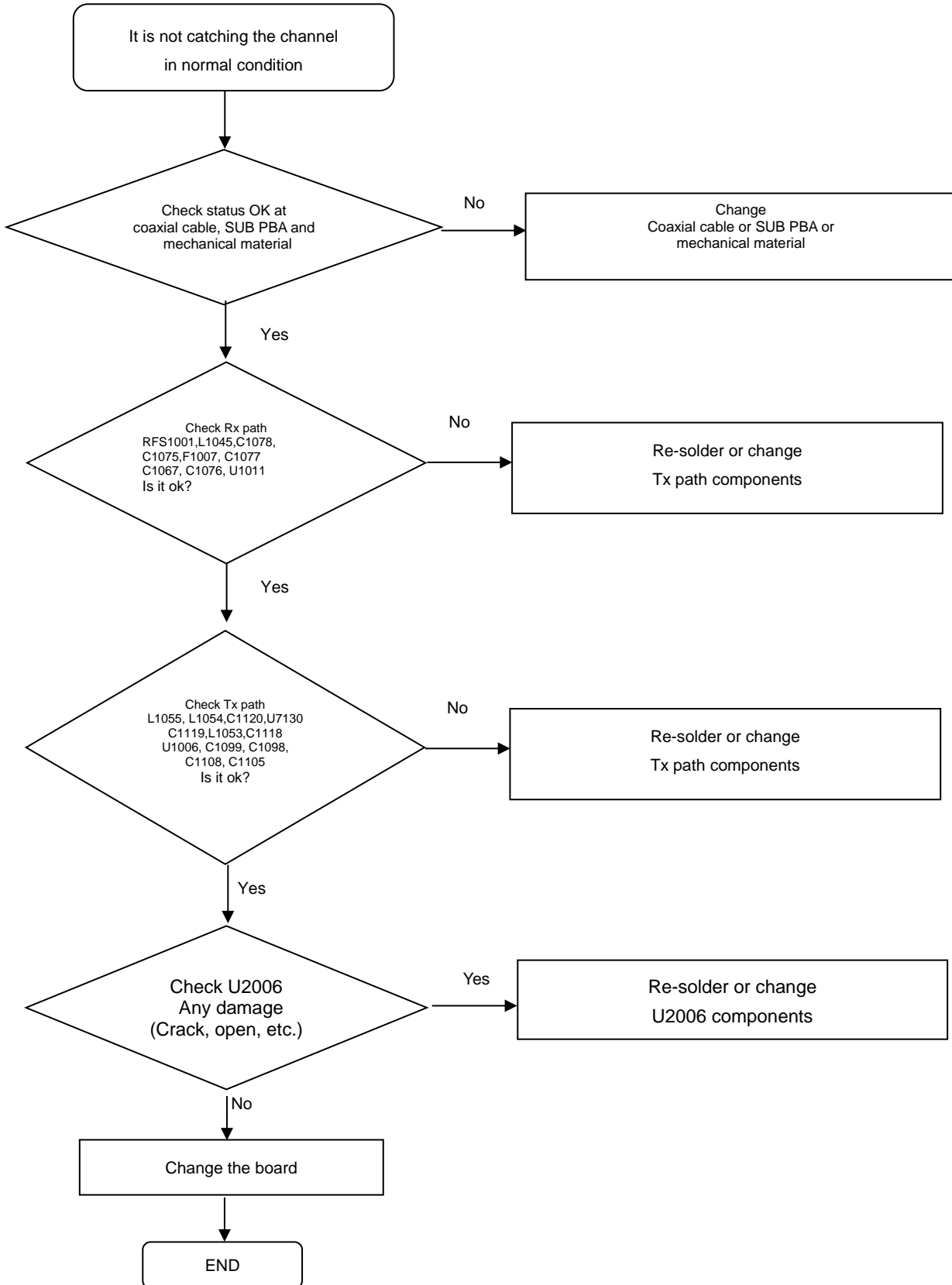
8. Level 3 Repair

8-4-44. LTE B20 TX



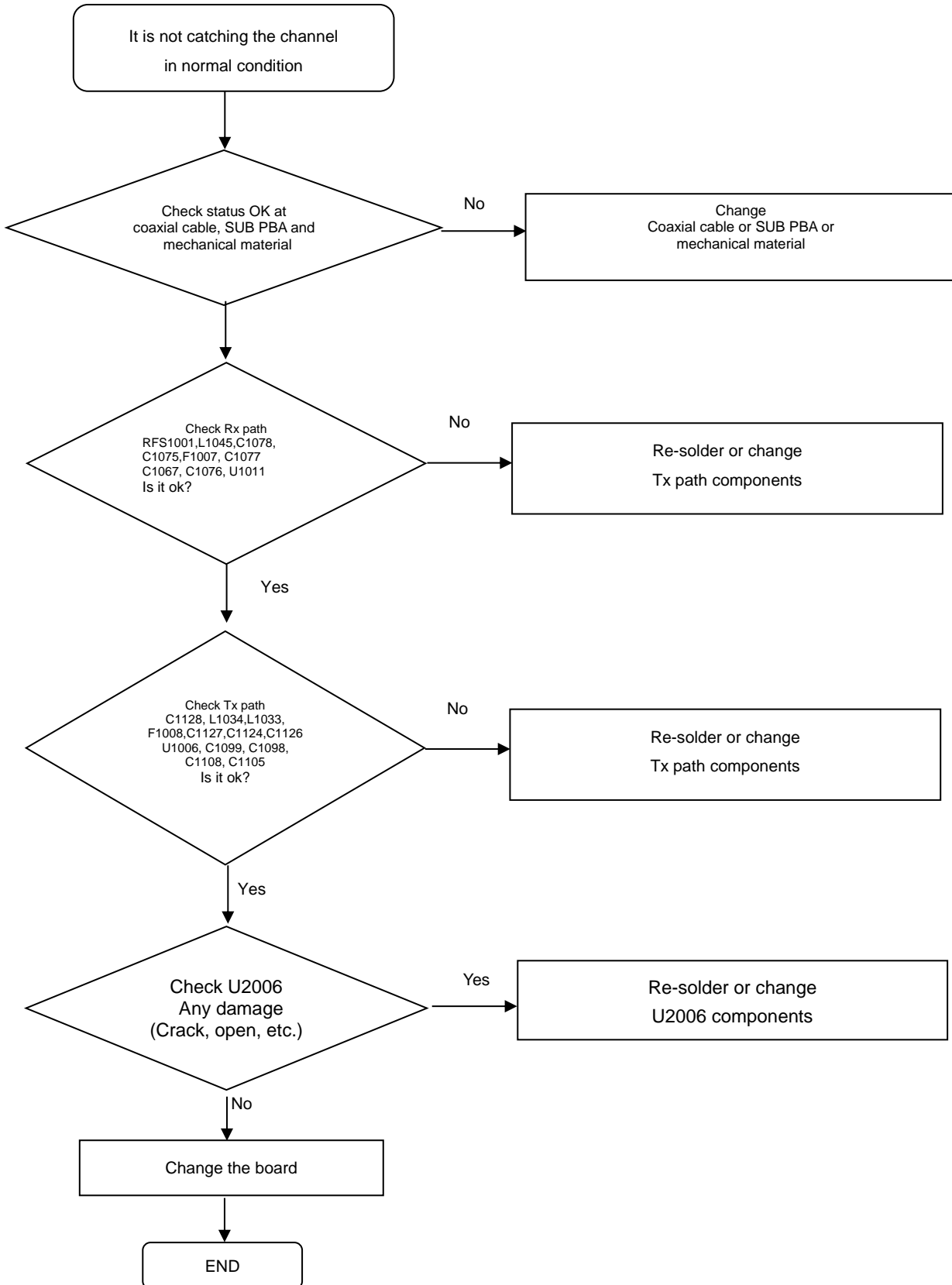
8. Level 3 Repair

8-4-45. LTE B38/B41 TX



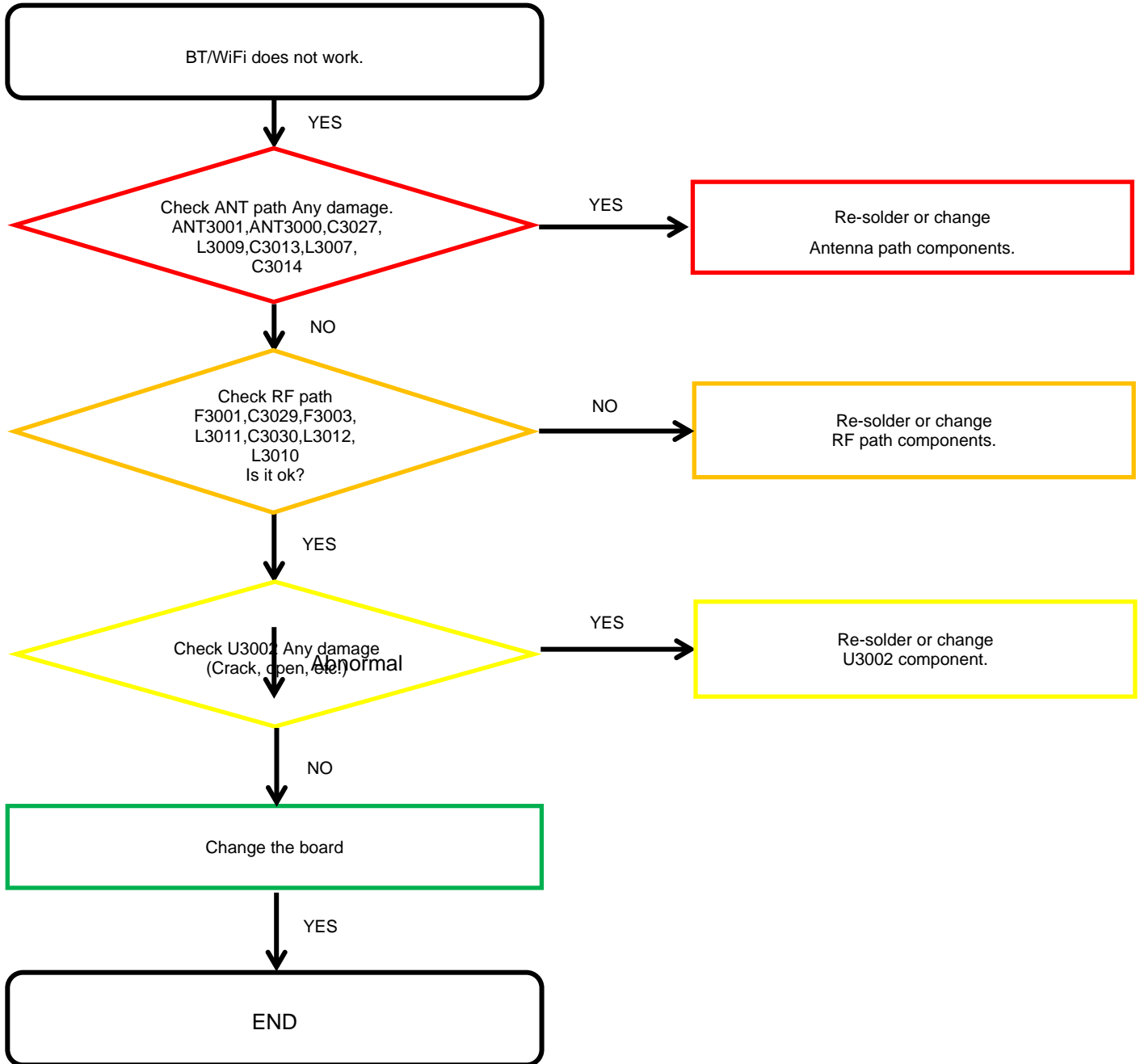
8. Level 3 Repair

8-4-46. LTE B40 TX



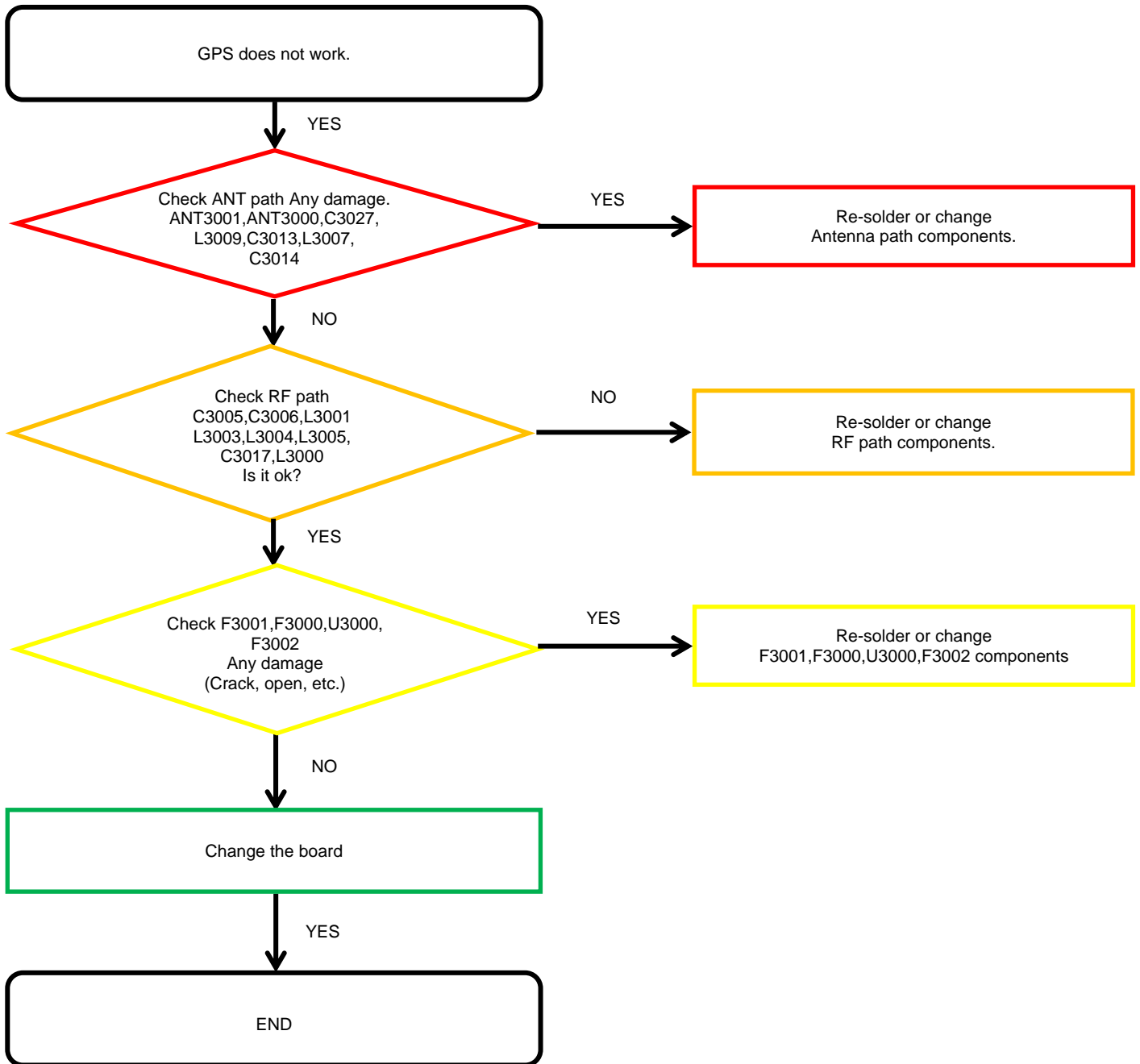
8. Level 3 Repair

8-4-47. BT/WLAN



8. Level 3 Repair

8-4-48. GPS



8. Level 3 Repair

8-4-49. FM Radio

