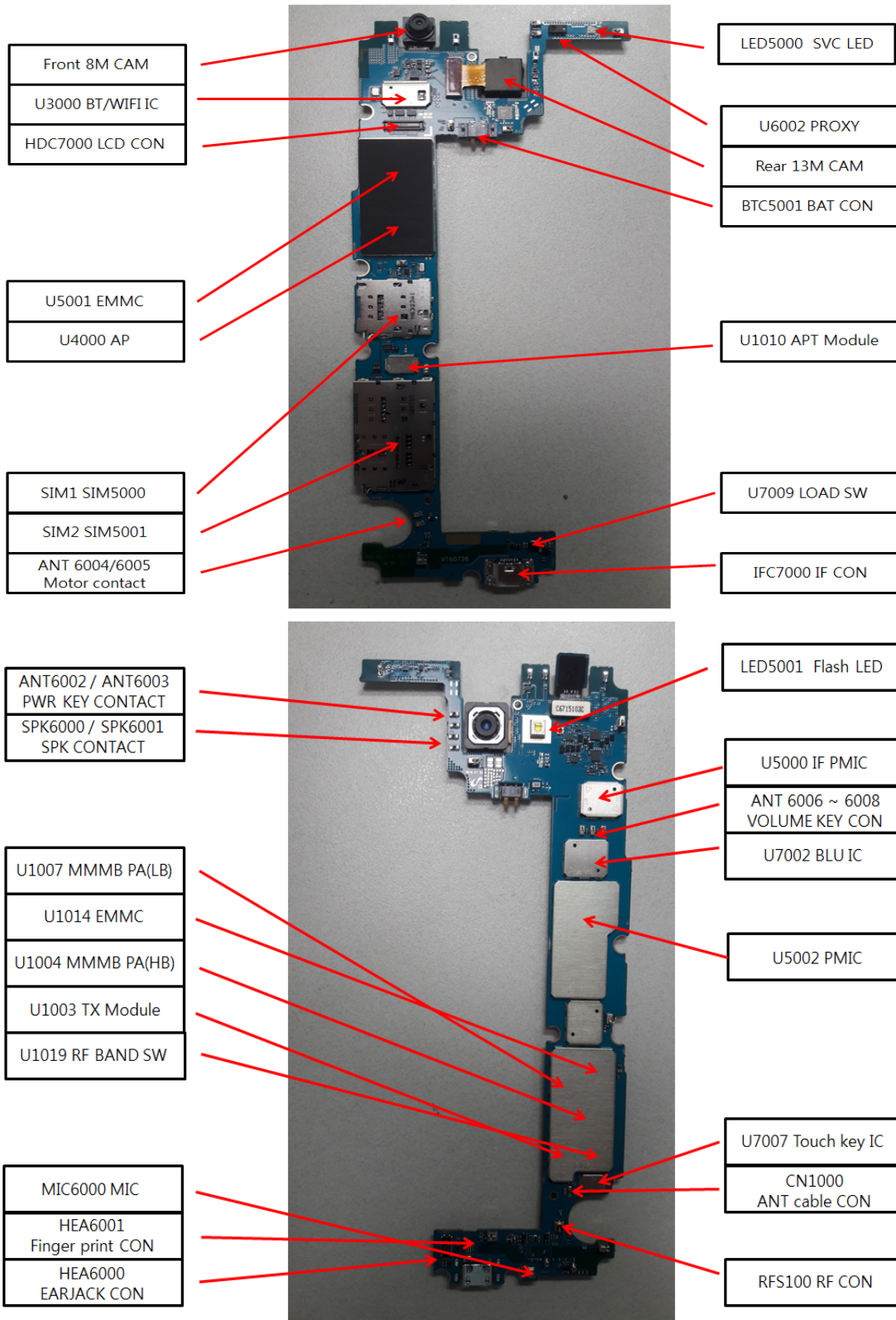
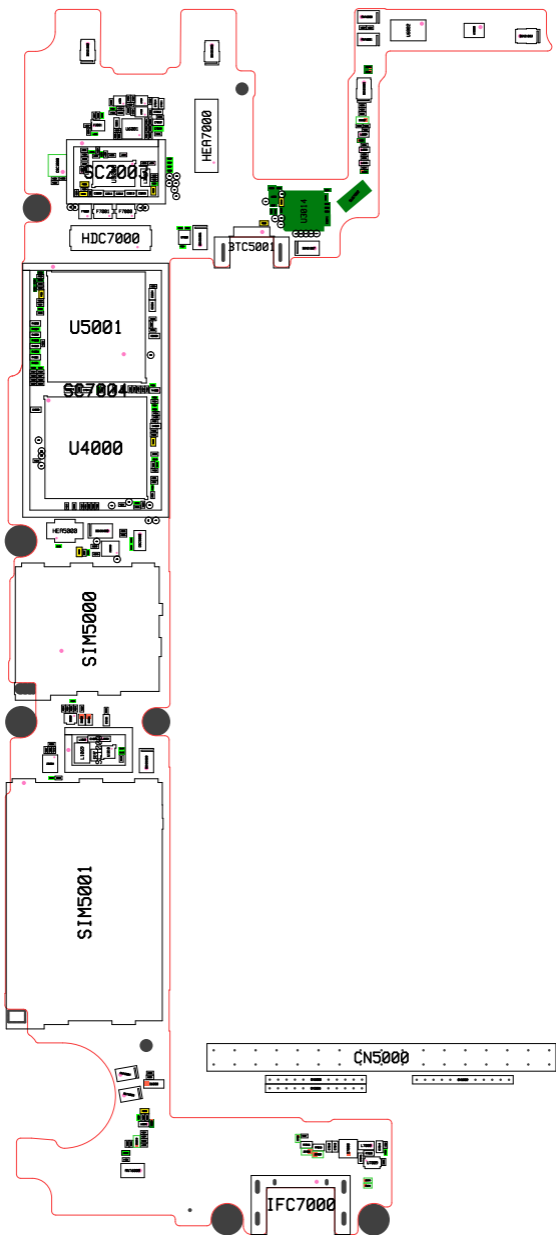


8. Level 3 Repair

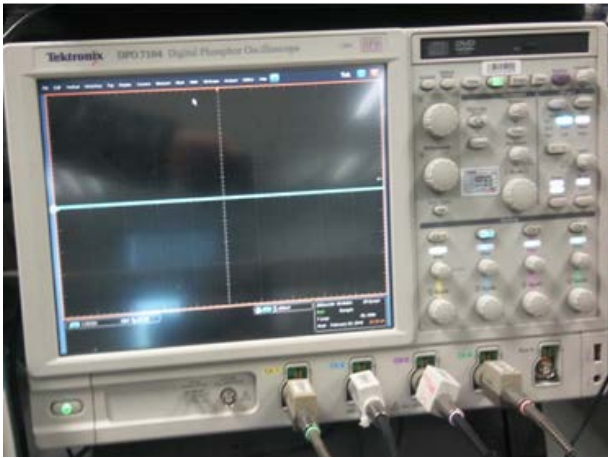
8-1. Components Layout





8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



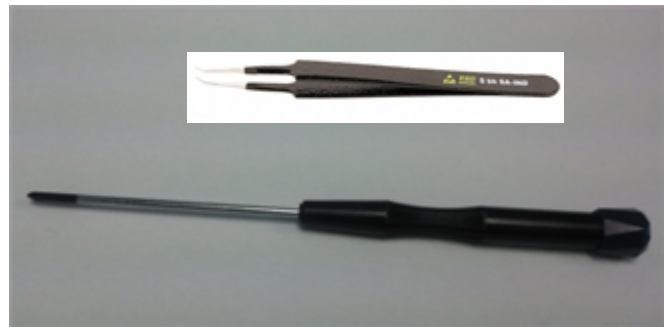
Oscilloscope



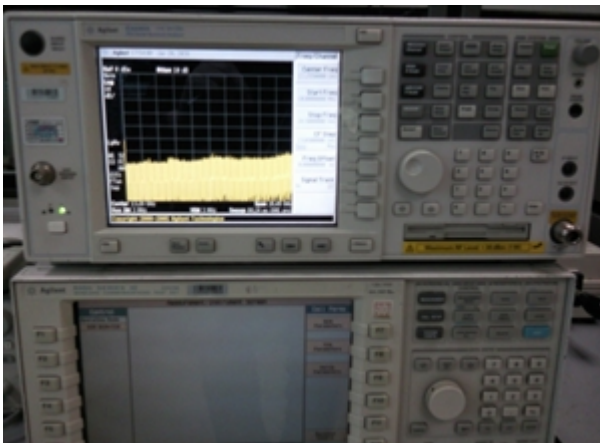
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



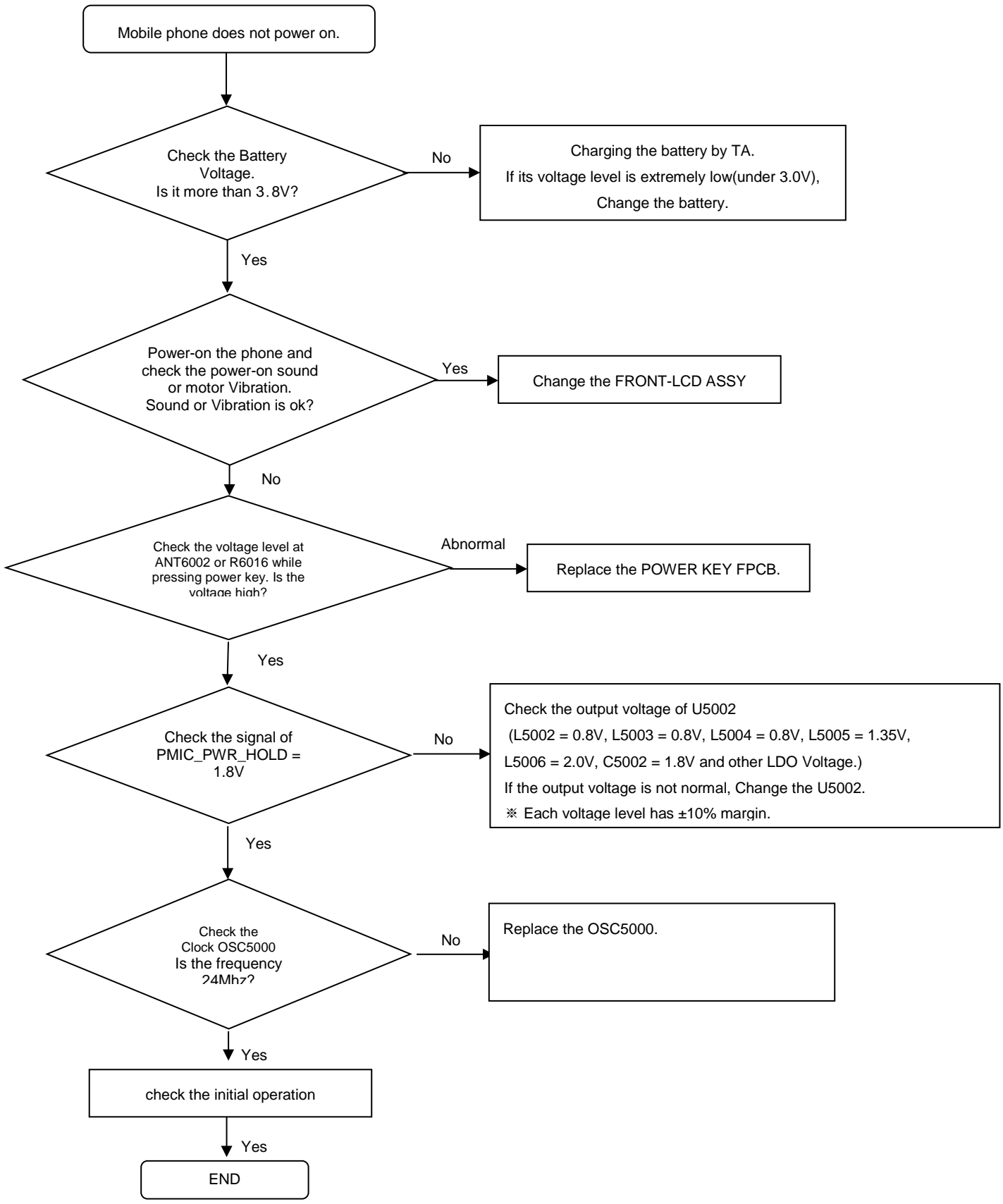
8960 & Spectrum Analyzer



Soldering iron

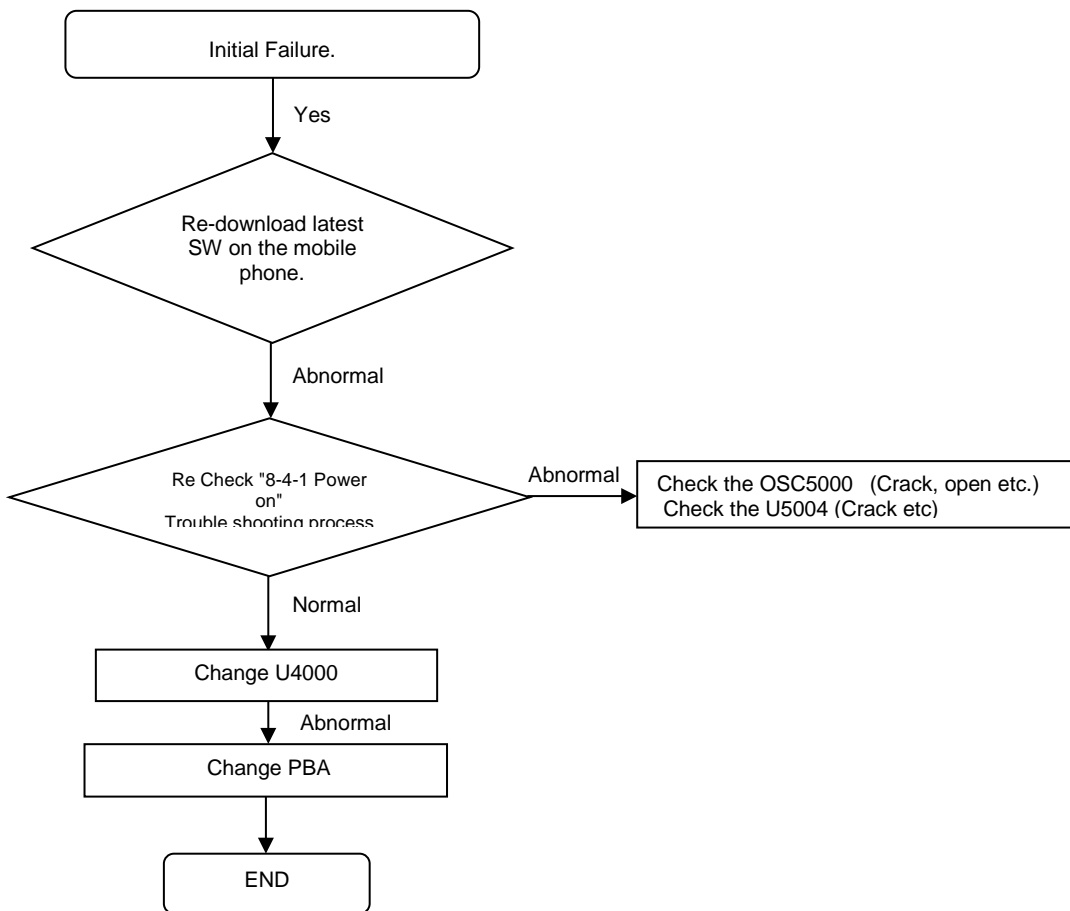
8. Level 3 Repair

8-4-1. Power On



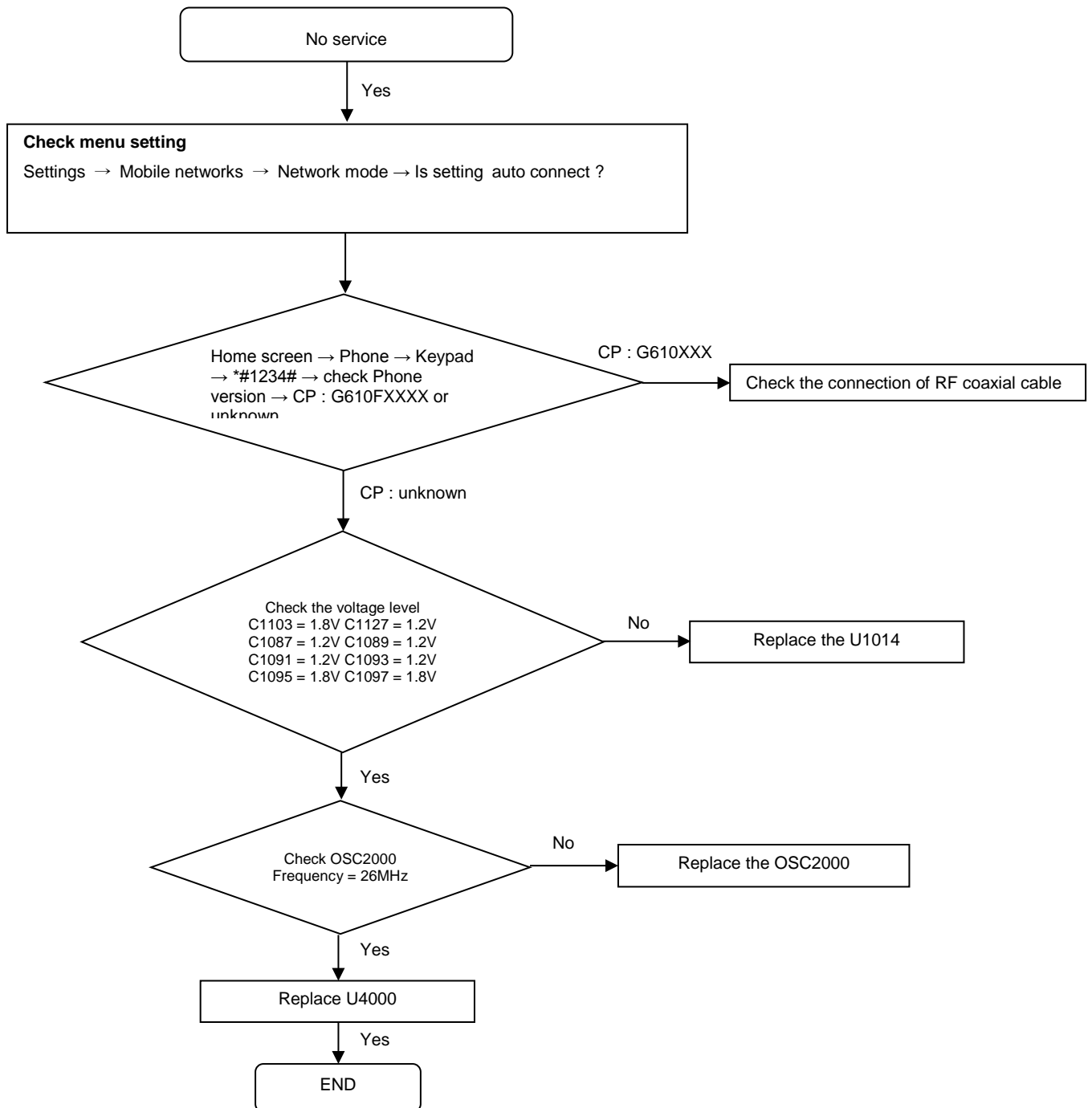
8. Level 3 Repair

8-4-2. Initial



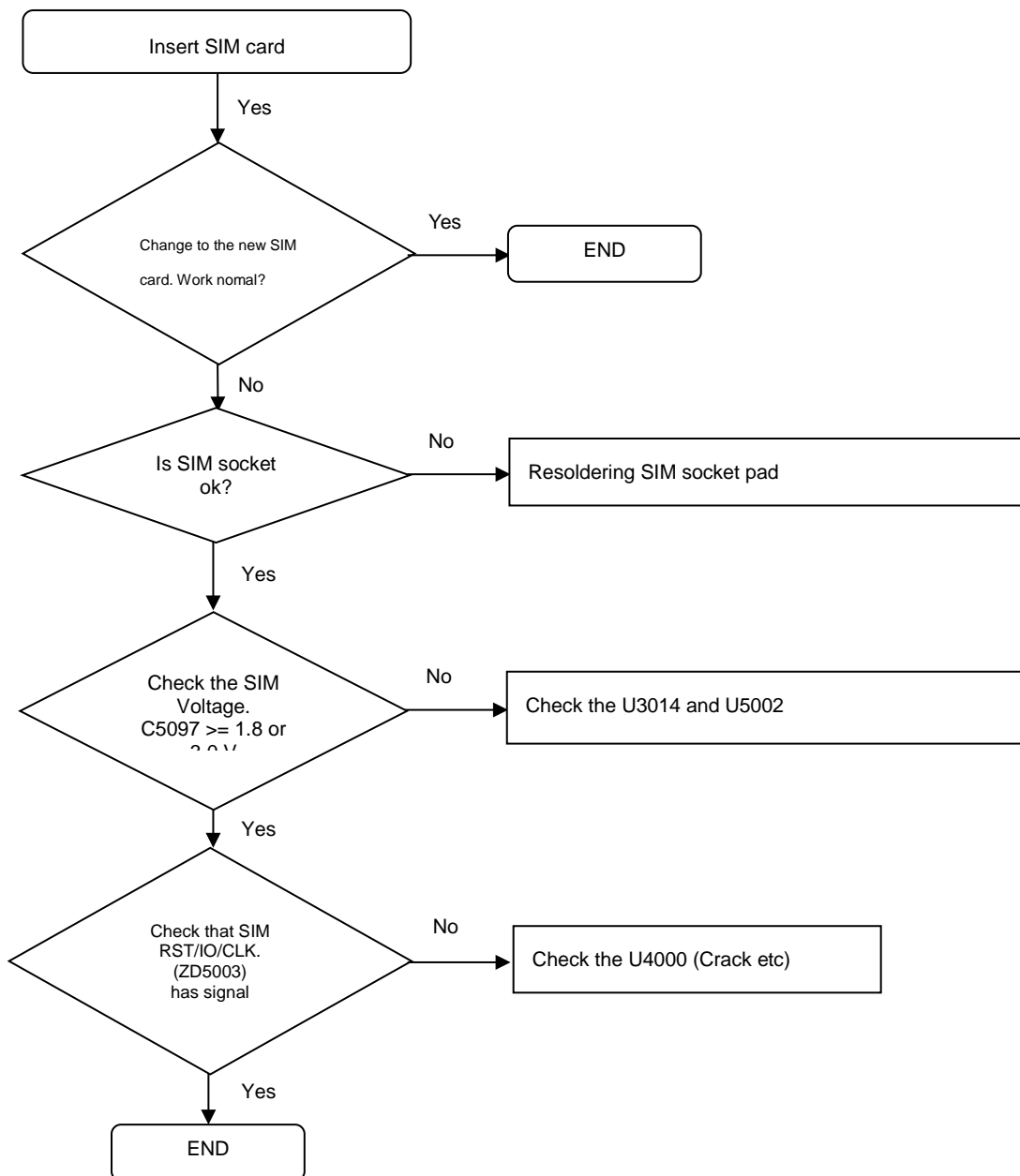
8. Level 3 Repair

8-4-3. No Service



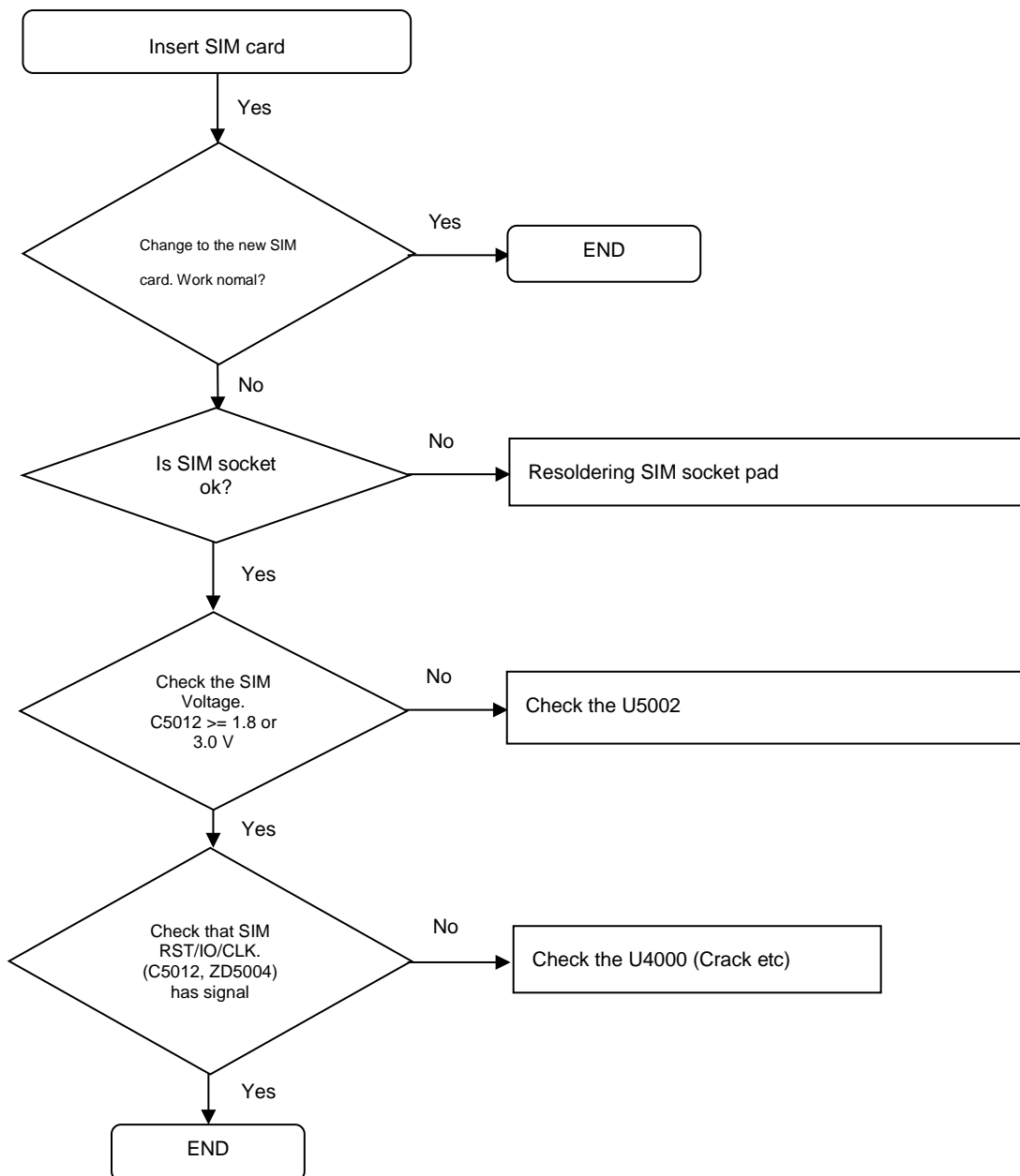
8. Level 3 Repair

8-4-4-1. Sim Part(SIM1)



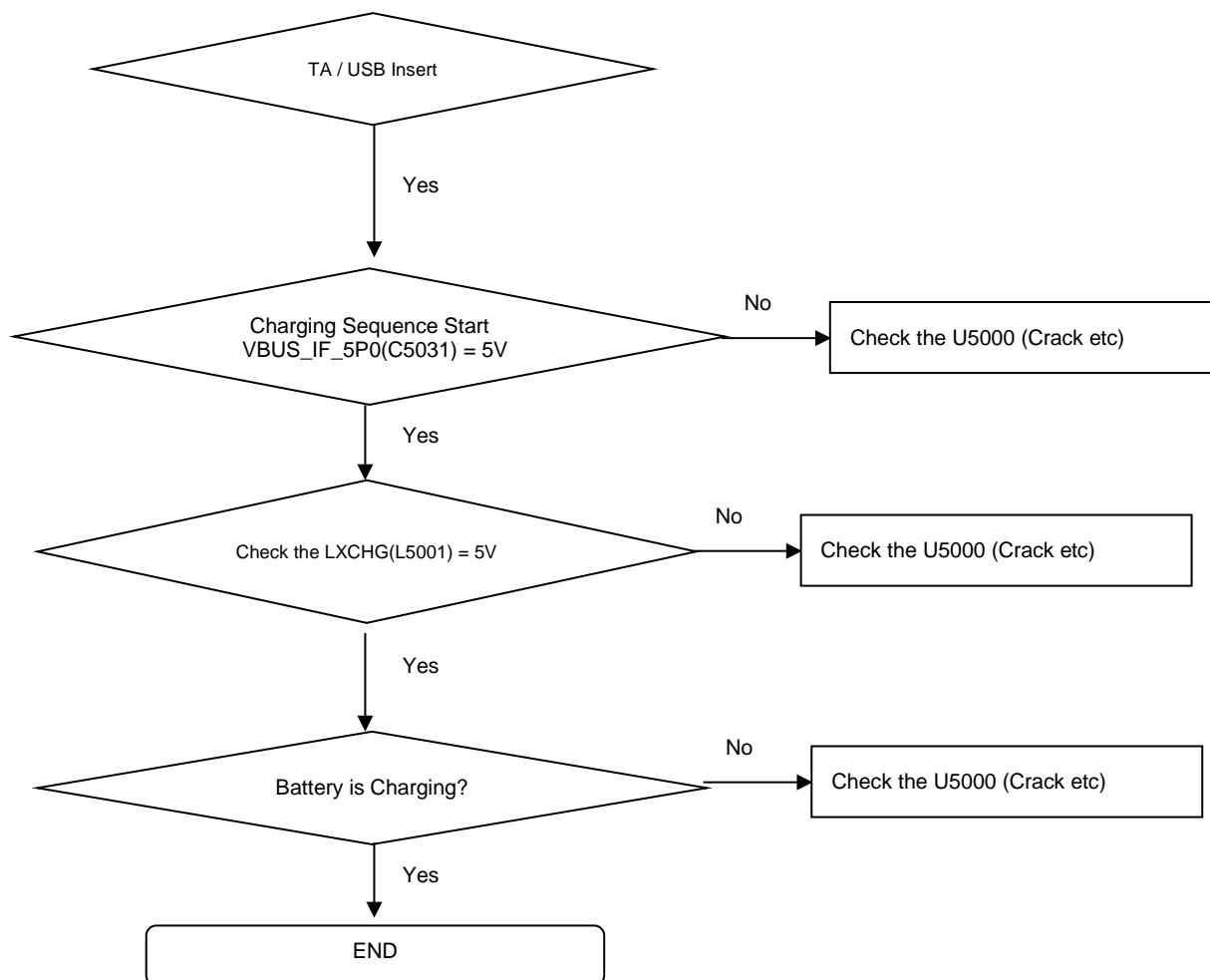
8. Level 3 Repair

8-4-4-2. Sim Part(SIM2)



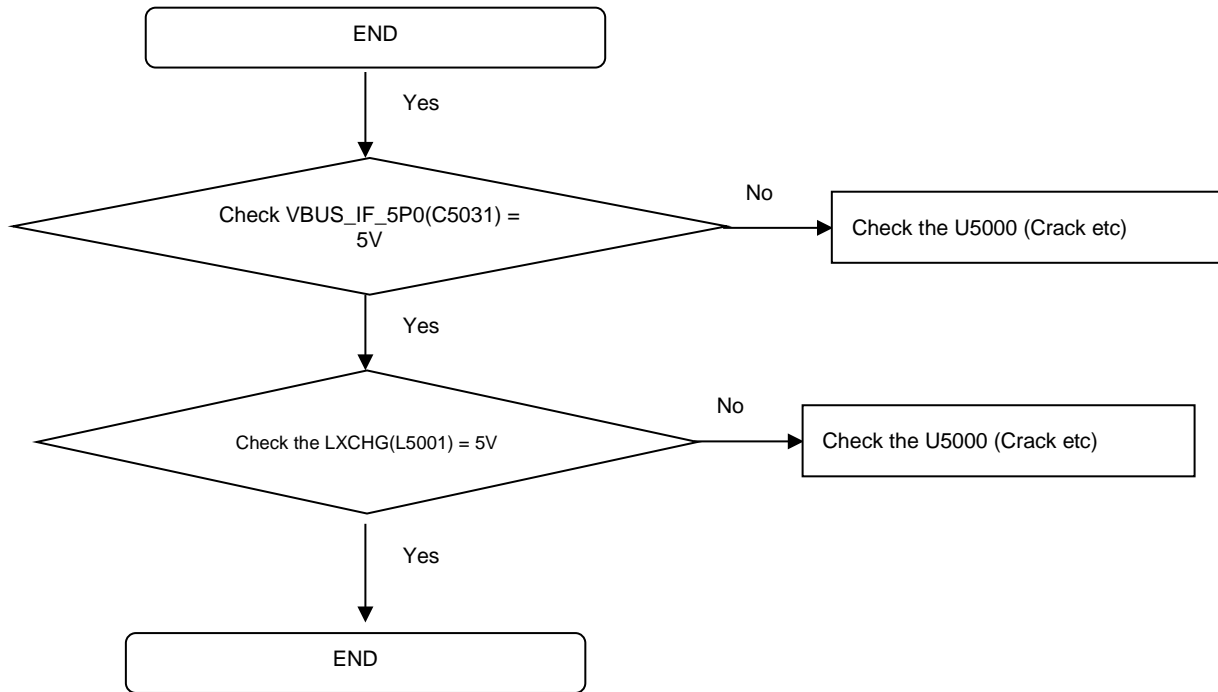
8. Level 3 Repair

8-4-5. Charging Part



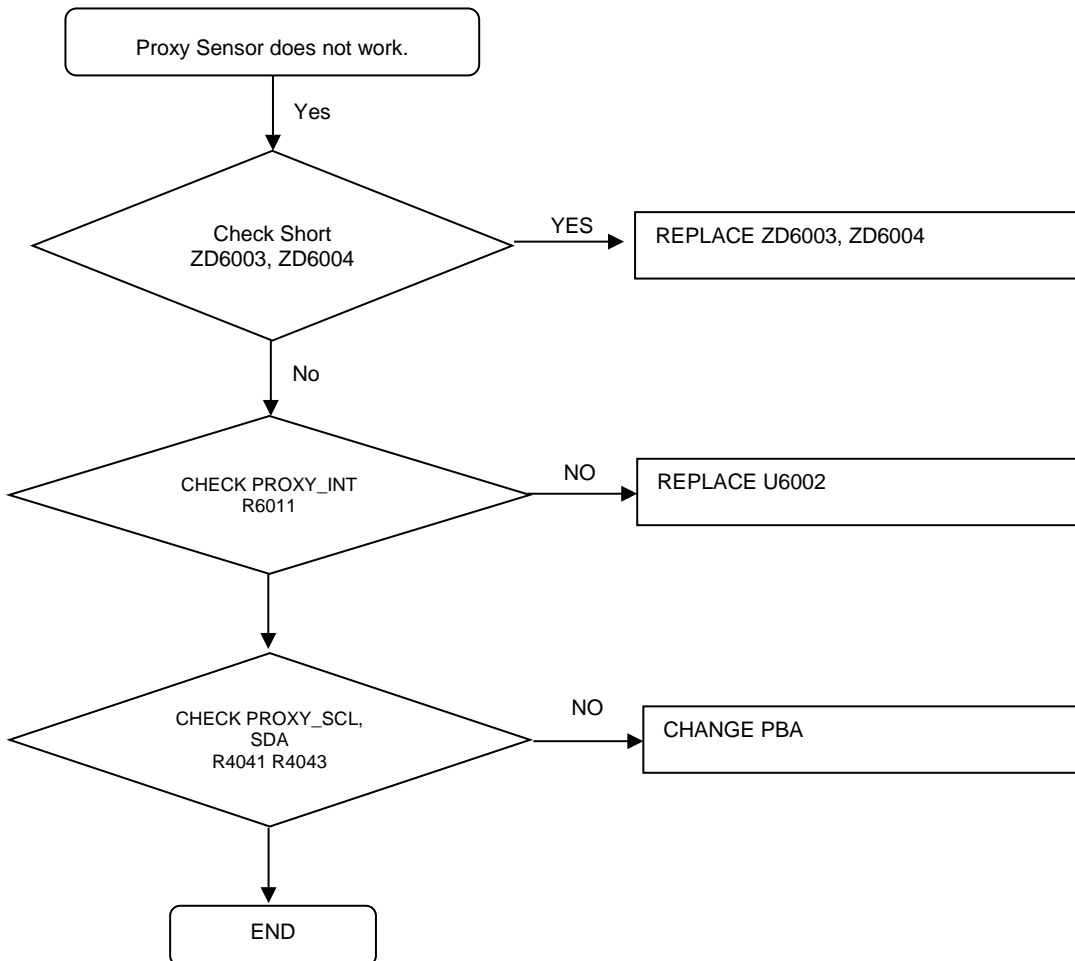
8. Level 3 Repair

8-4-6. OTG



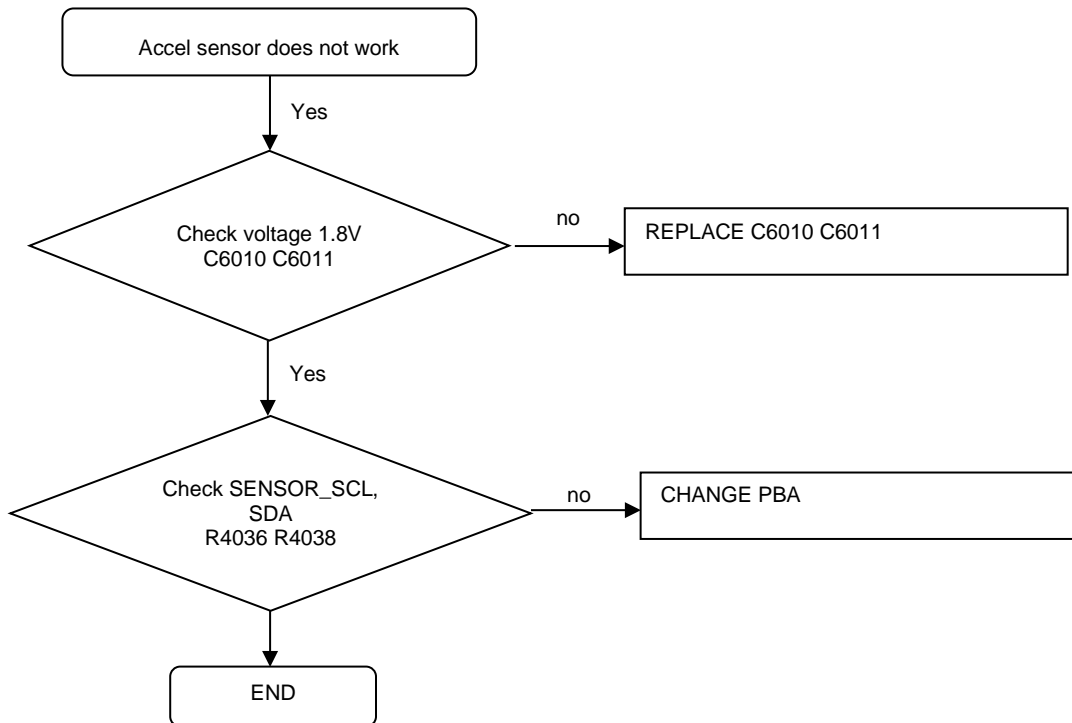
8. Level 3 Repair

8-4-7-1. Proxy Sensor



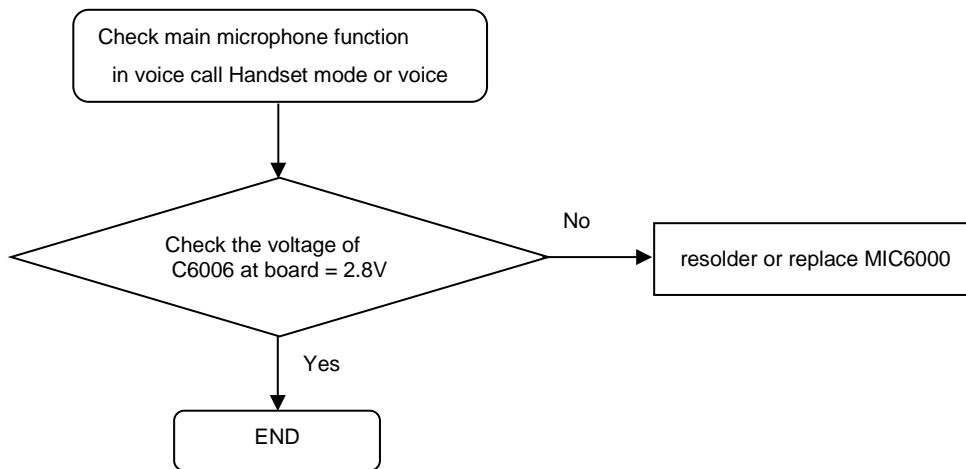
8. Level 3 Repair

8-4-7-2. Accel Sensor



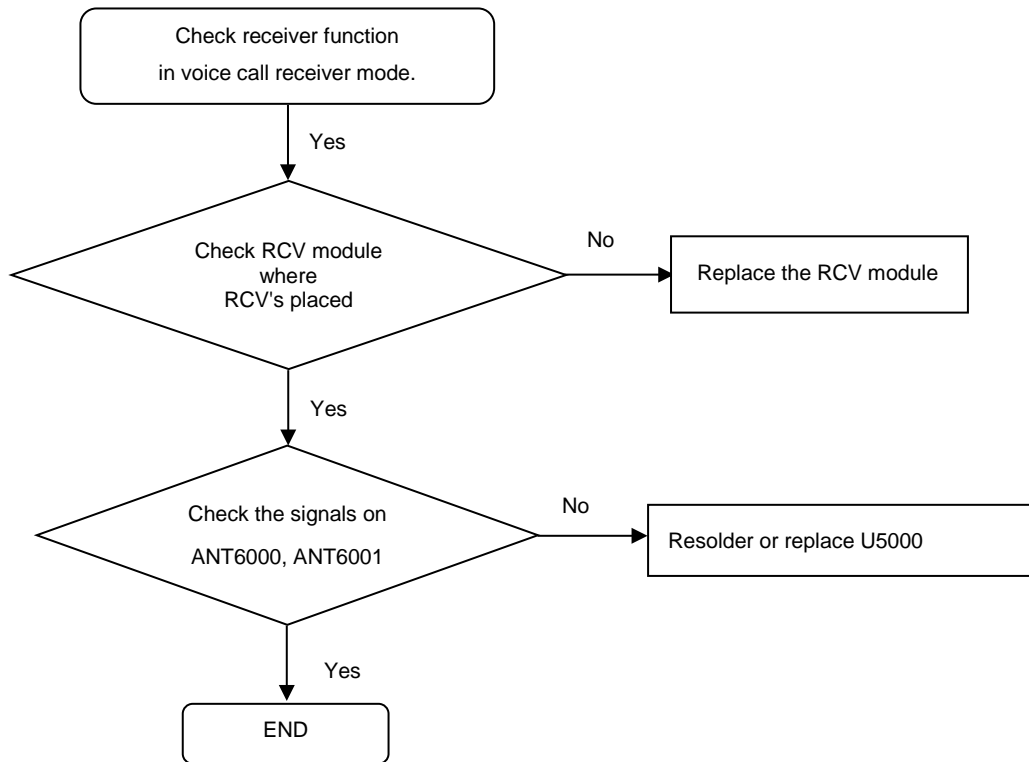
8. Level 3 Repair

8-4-8 Microphone Part - Main MIC



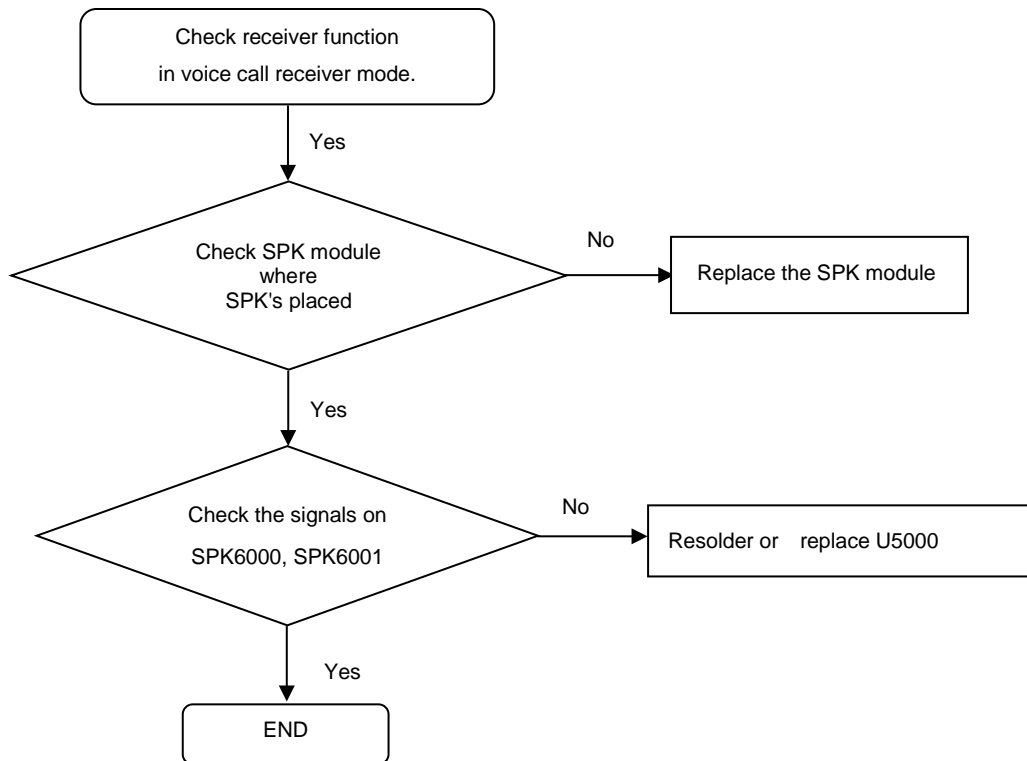
8. Level 3 Repair

8-4-9. Receiver Part



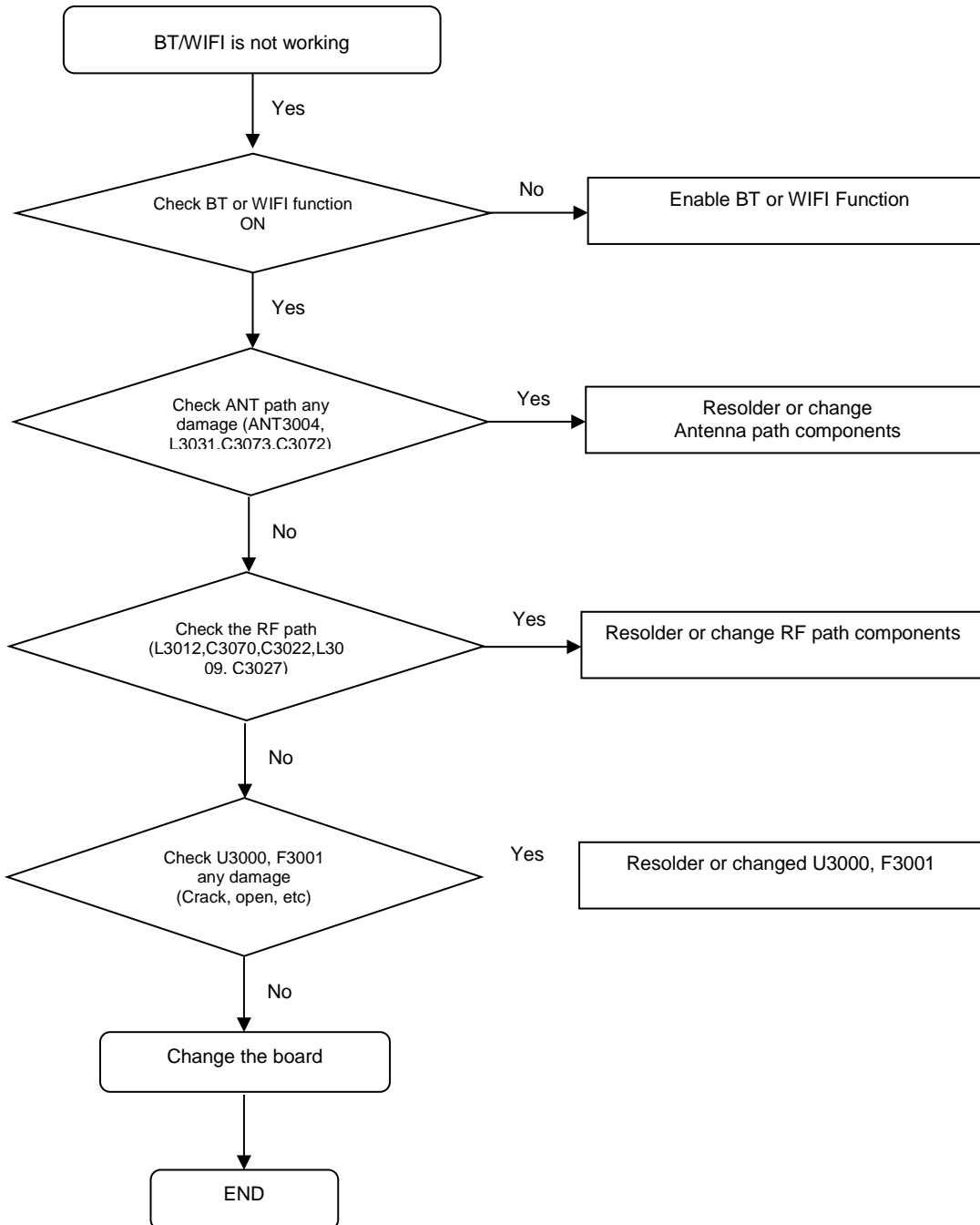
8. Level 3 Repair

8-4-10. Speaker Part



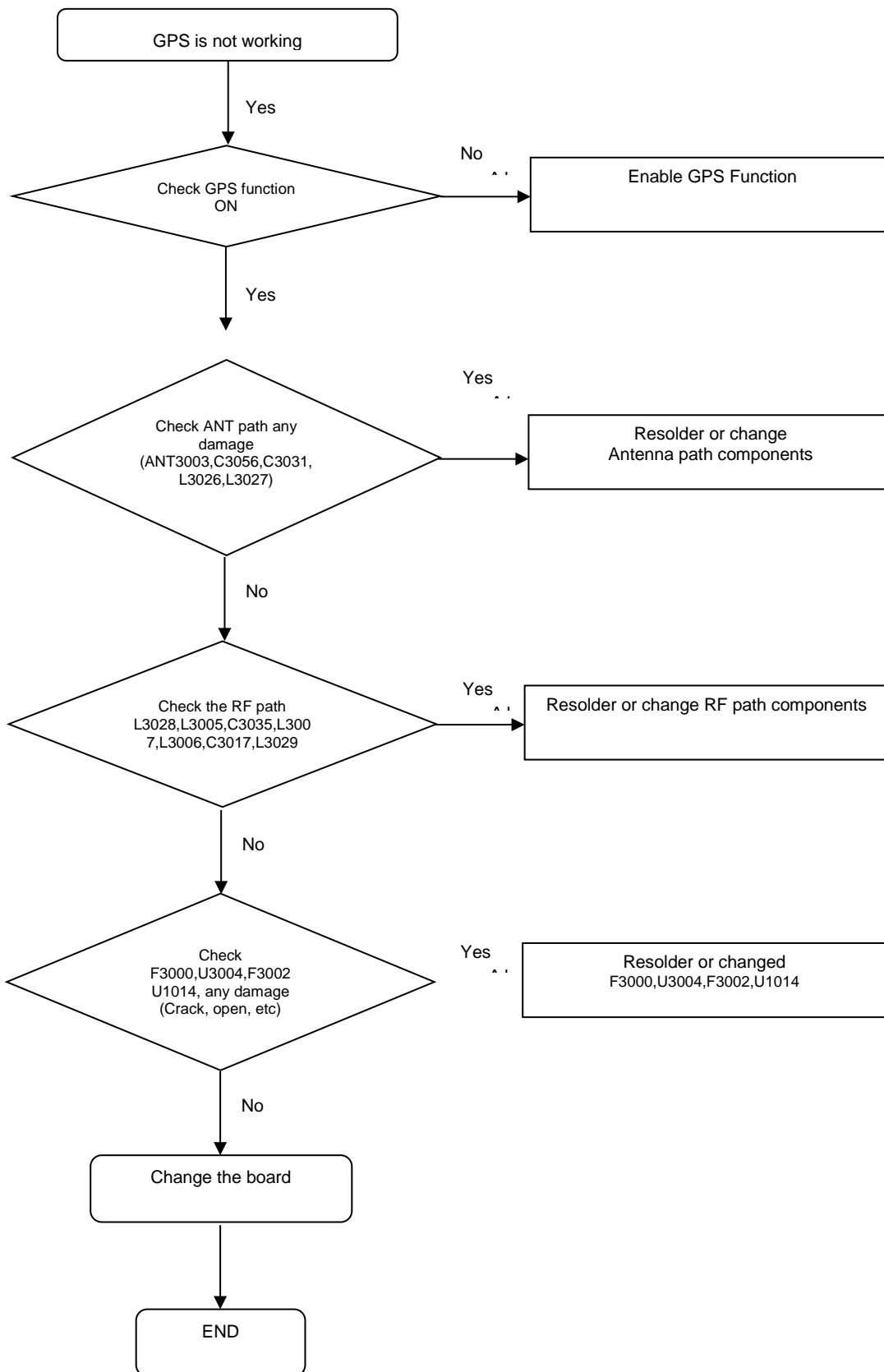
8. Level 3 Repair

8-4-11. BT/WIFI



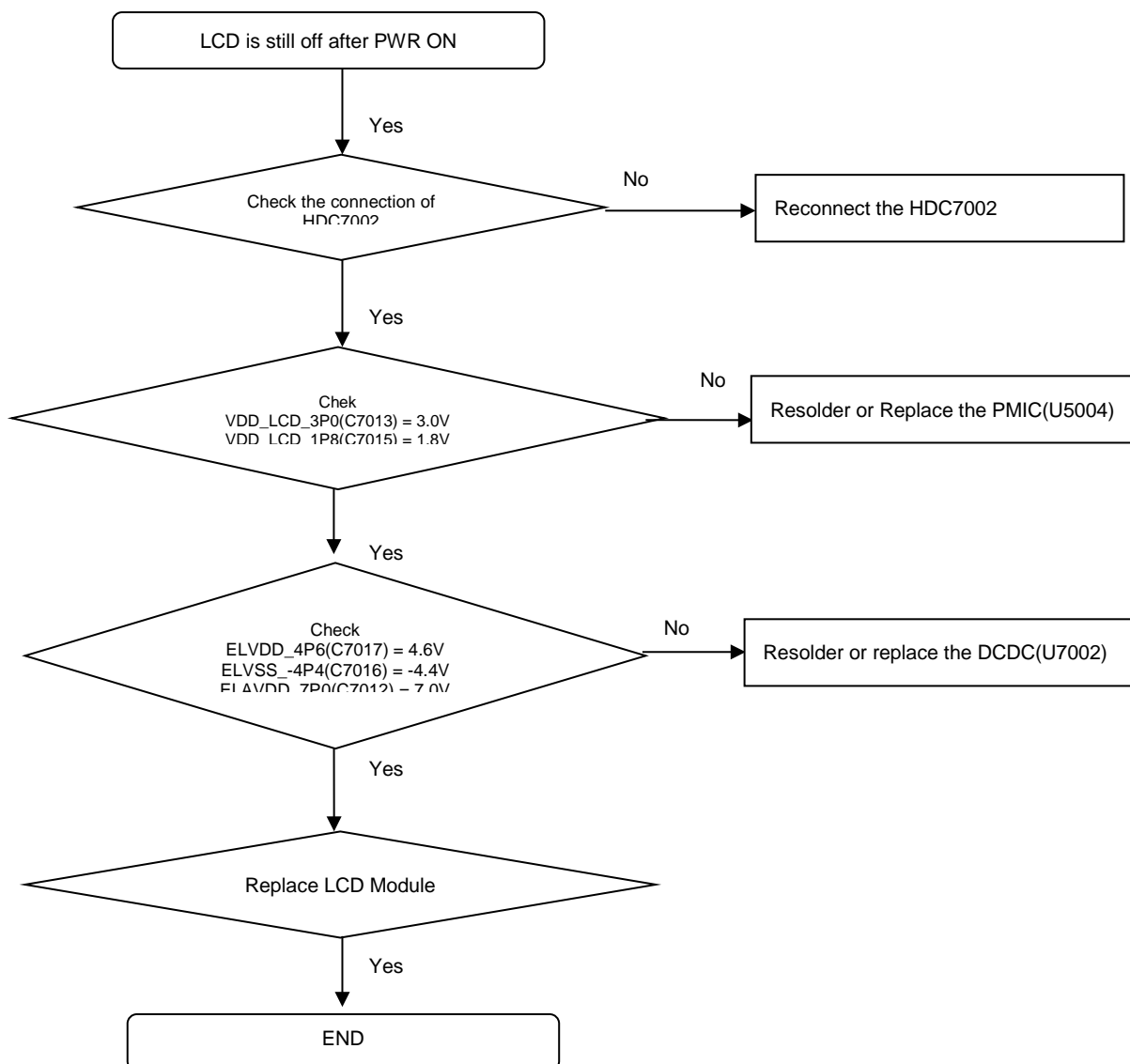
8. Level 3 Repair

8-4-12. GPS



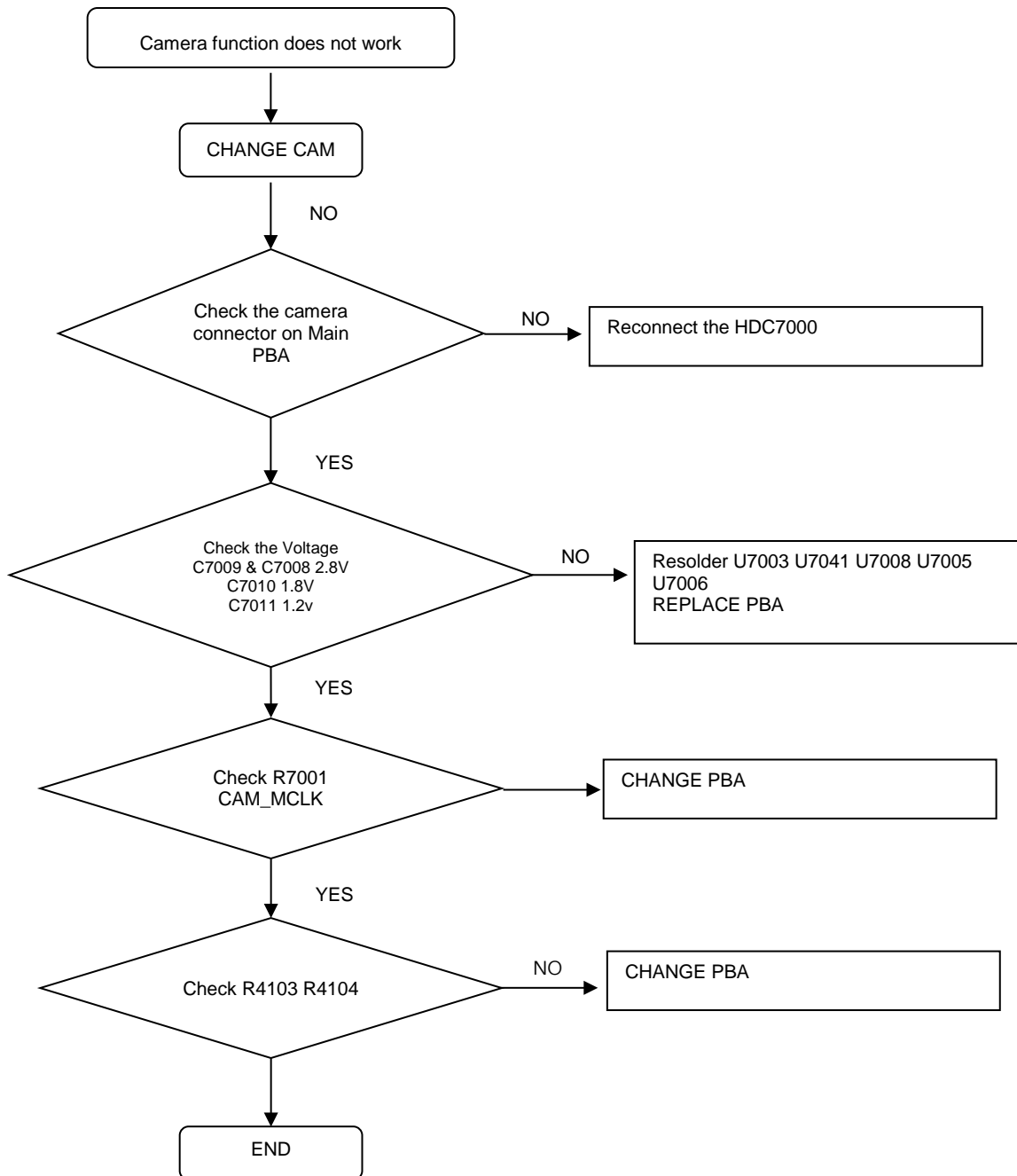
8. Level 3 Repair

8-4-13. Display



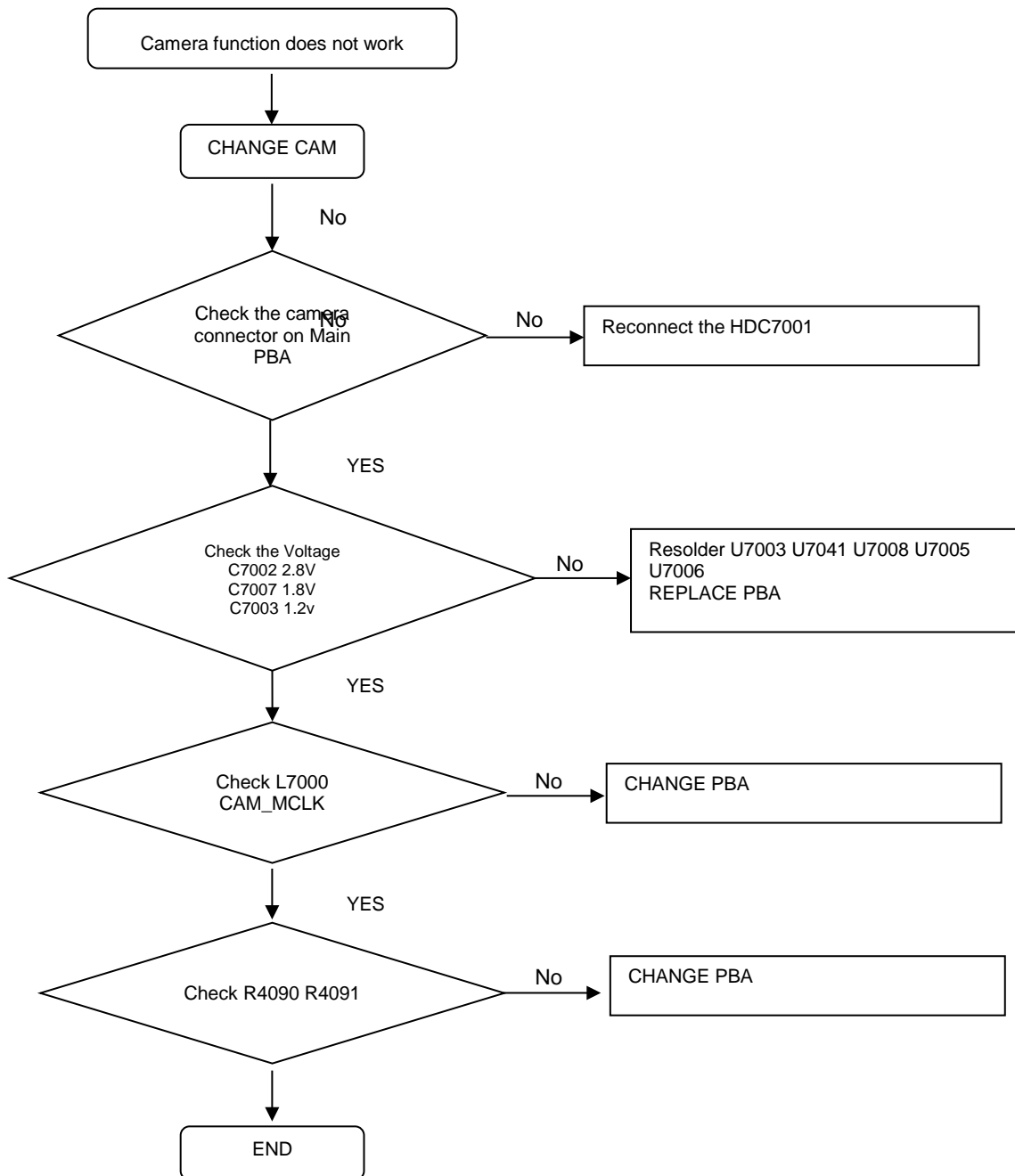
8. Level 3 Repair

8-4-14. 16M CAM



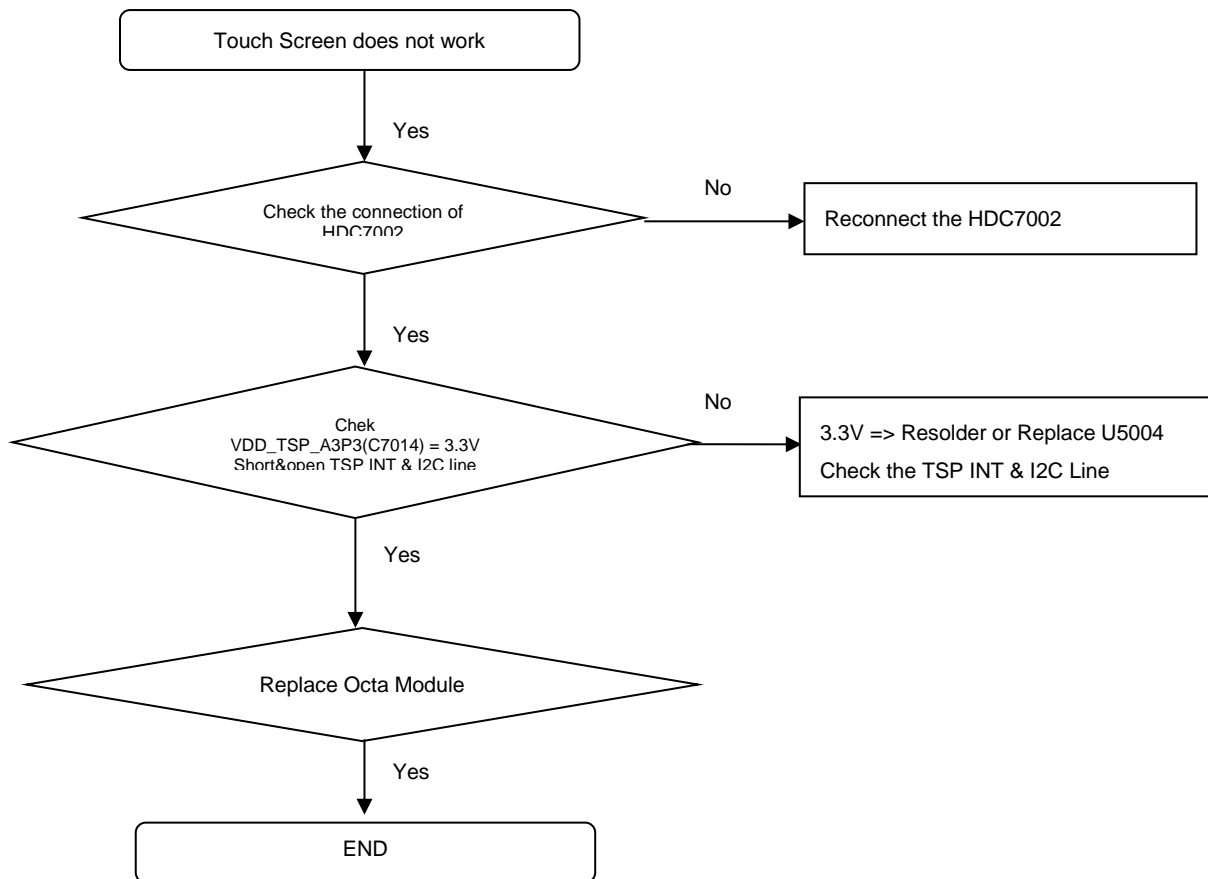
8. Level 3 Repair

8-4-15. 5M CAM



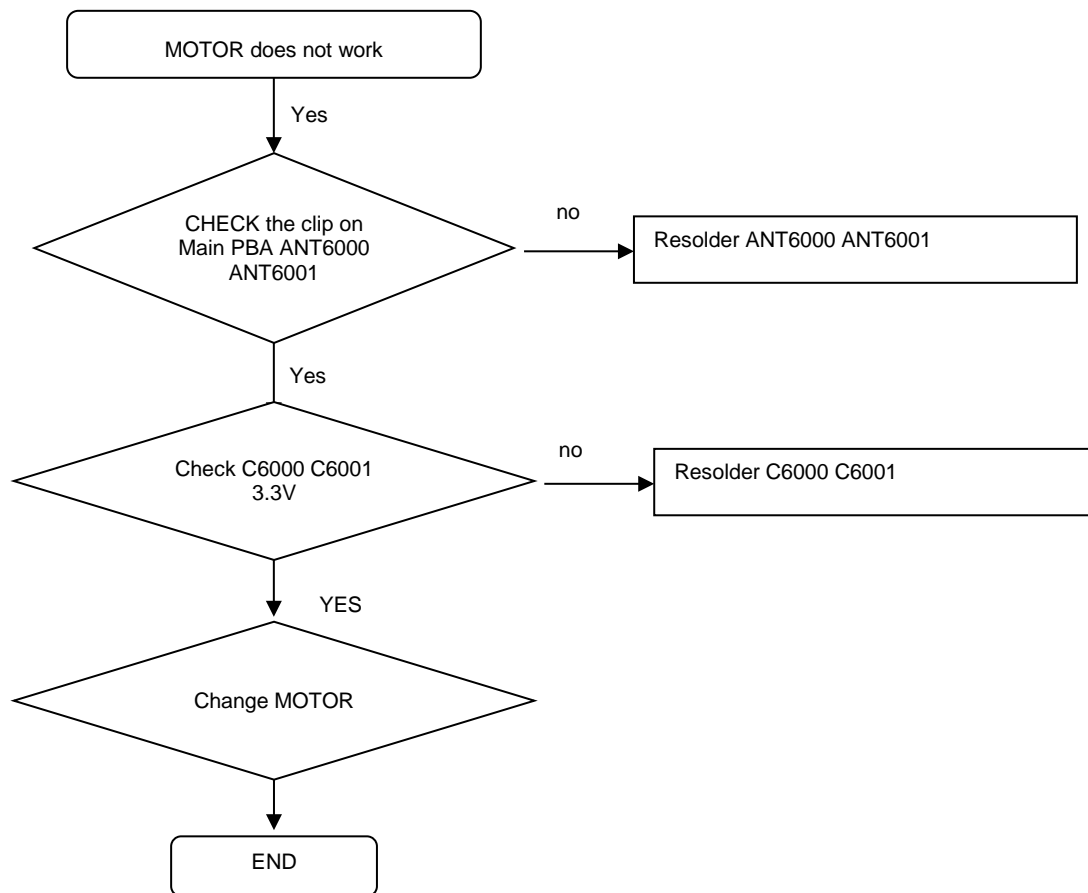
8. Level 3 Repair

8-4-16. TSP



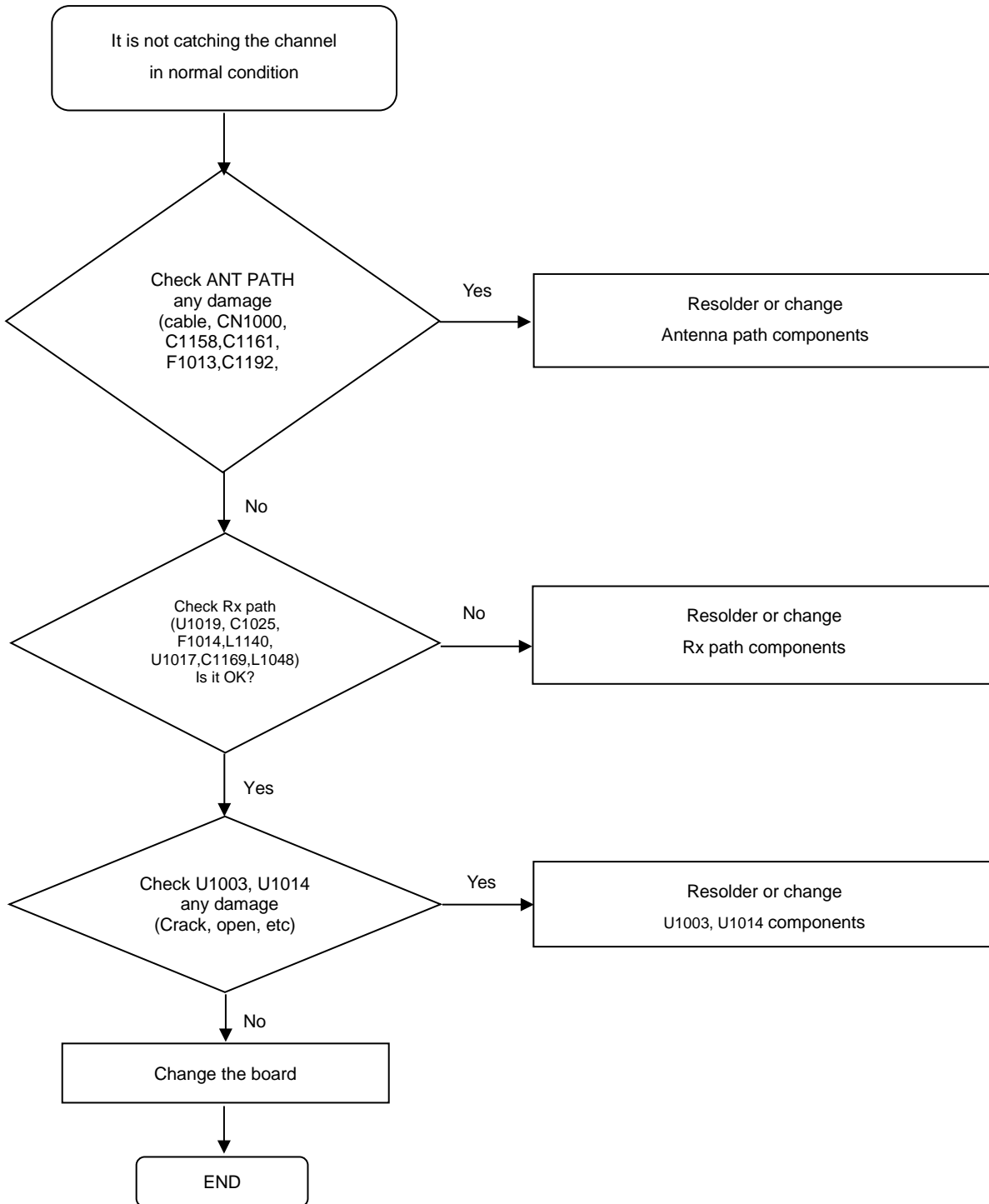
8. Level 3 Repair

8-4-17. Motor



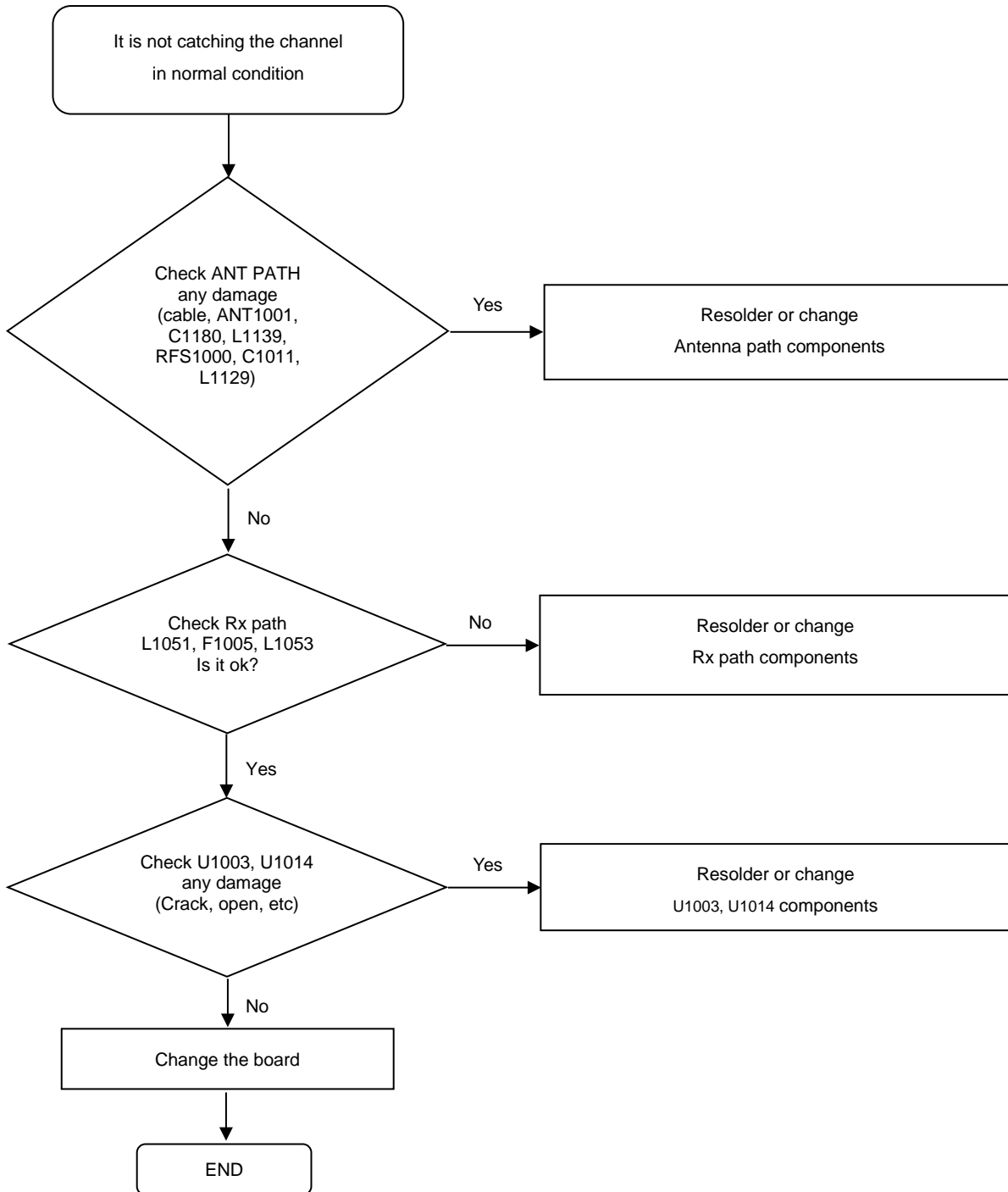
8. Level 3 Repair

8-4-18. WCDMA 1 / LTE 1 Rx



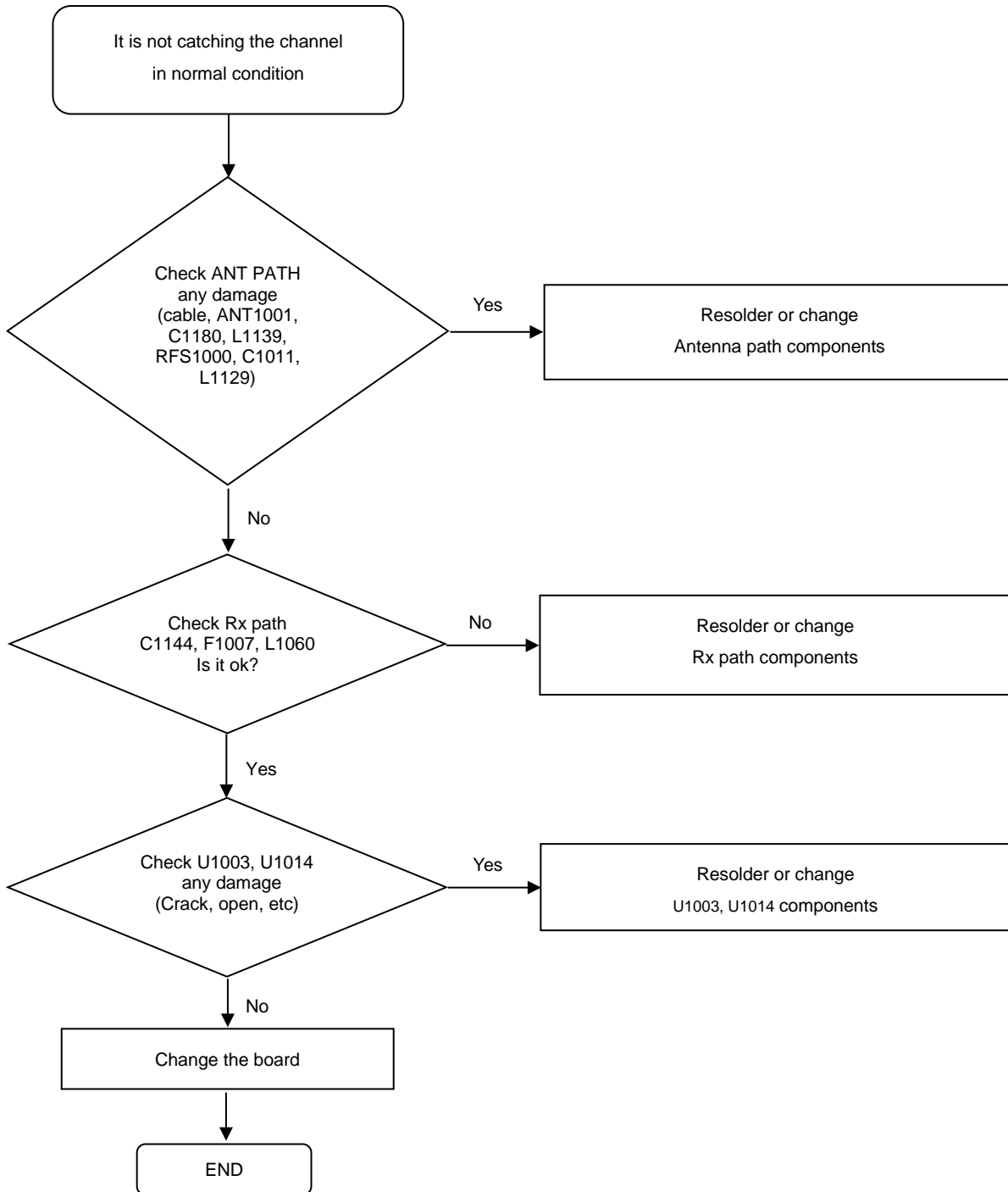
8. Level 3 Repair

8-4-19.GSM1900 / WCDMA 2 / LTE 2 Rx



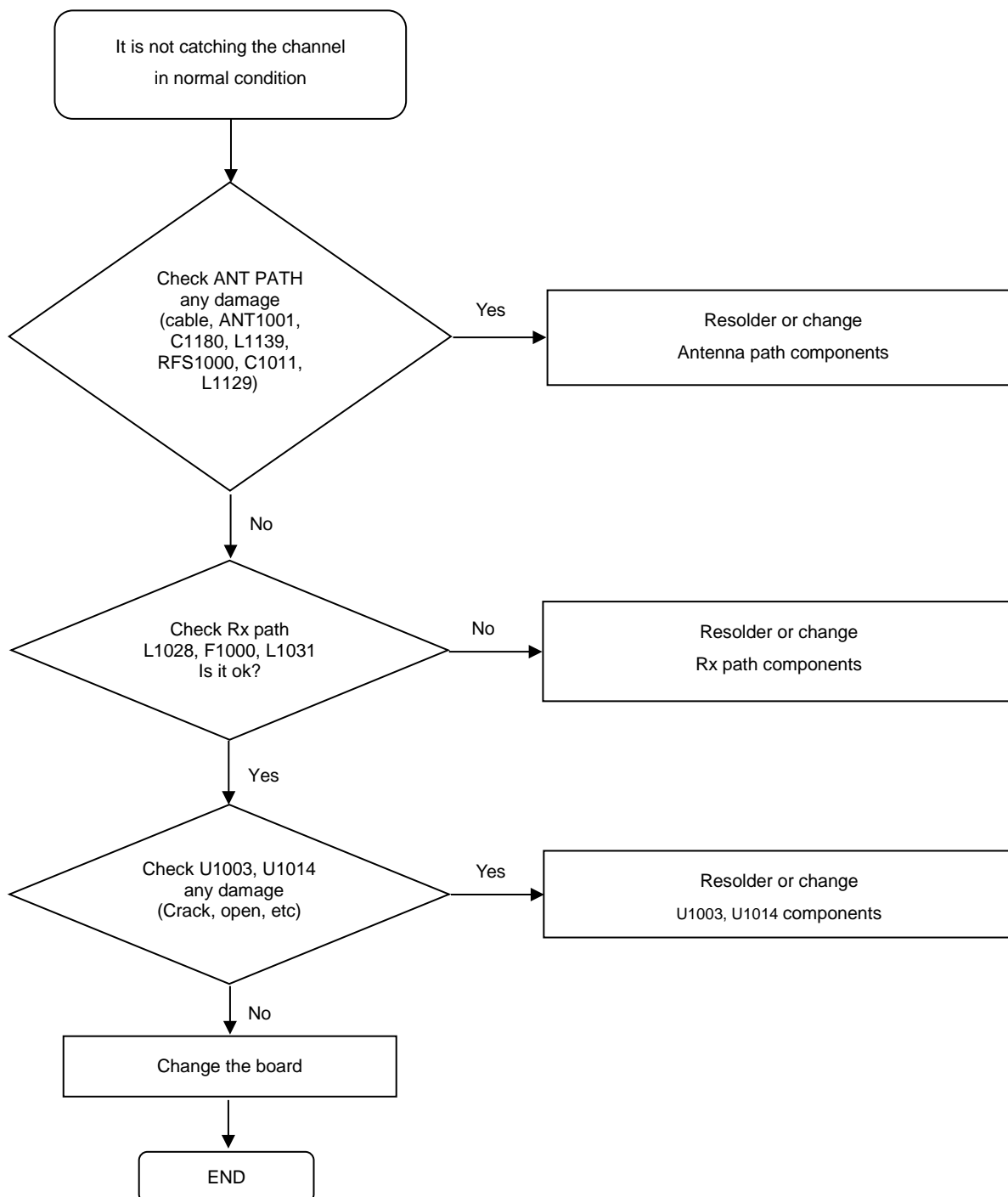
8. Level 3 Repair

8-4-20. GSM1800 / LTE 3 Rx



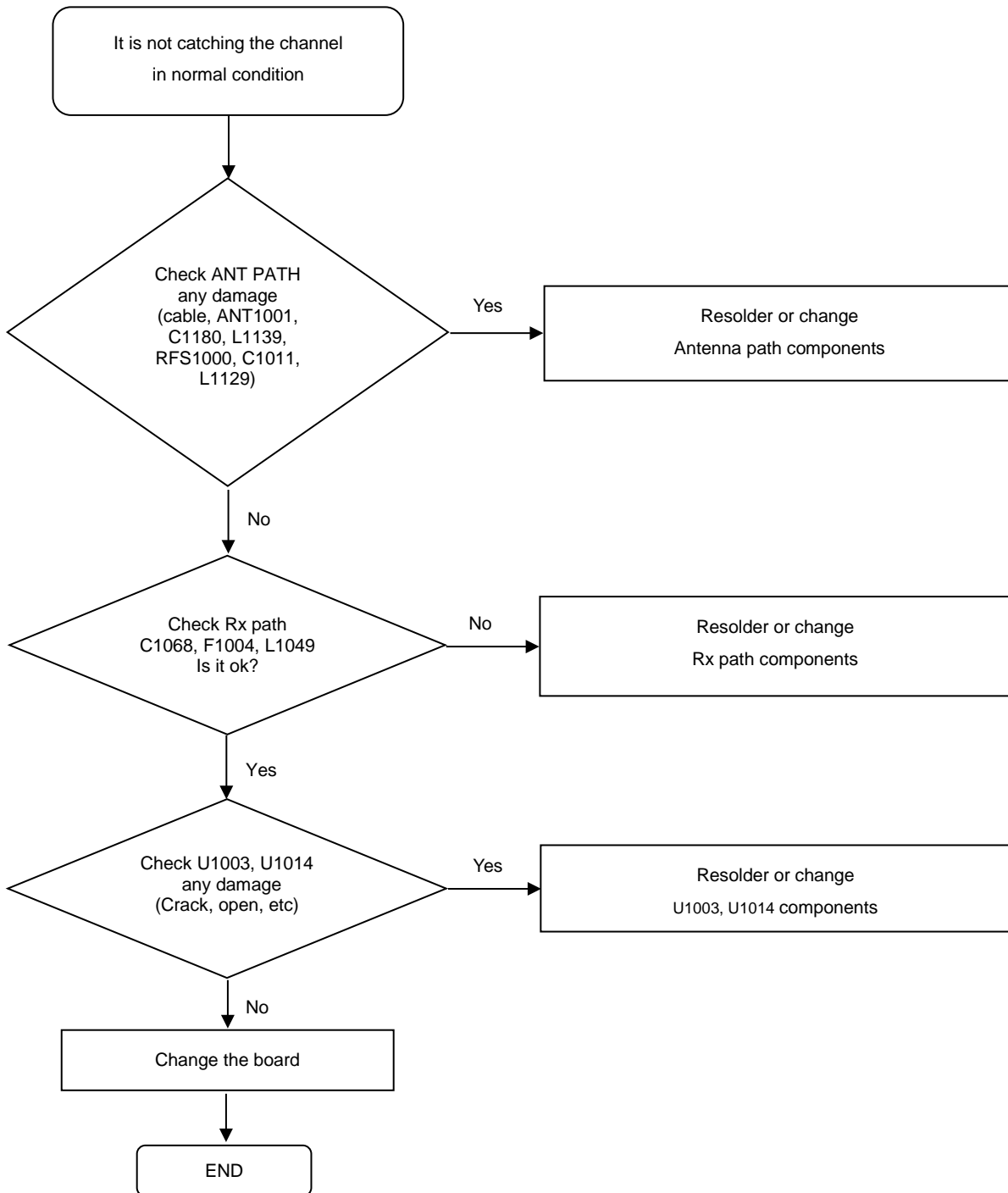
8. Level 3 Repair

8-4-21.GSM850 / WCDMA 5 / LTE 5 Rx



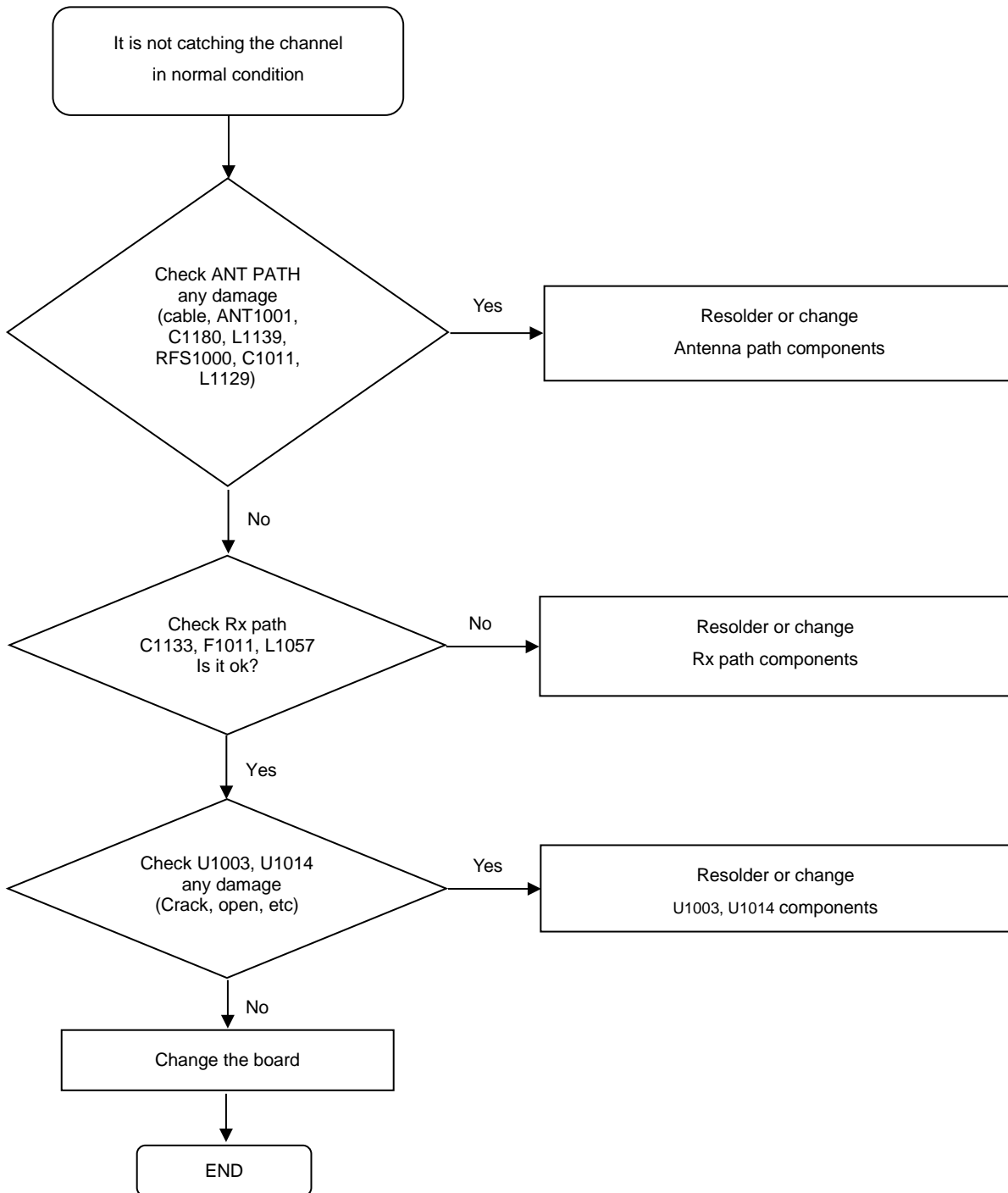
8. Level 3 Repair

8-4-22 GSM900 / WCDMA 8 / LTE 8 Rx



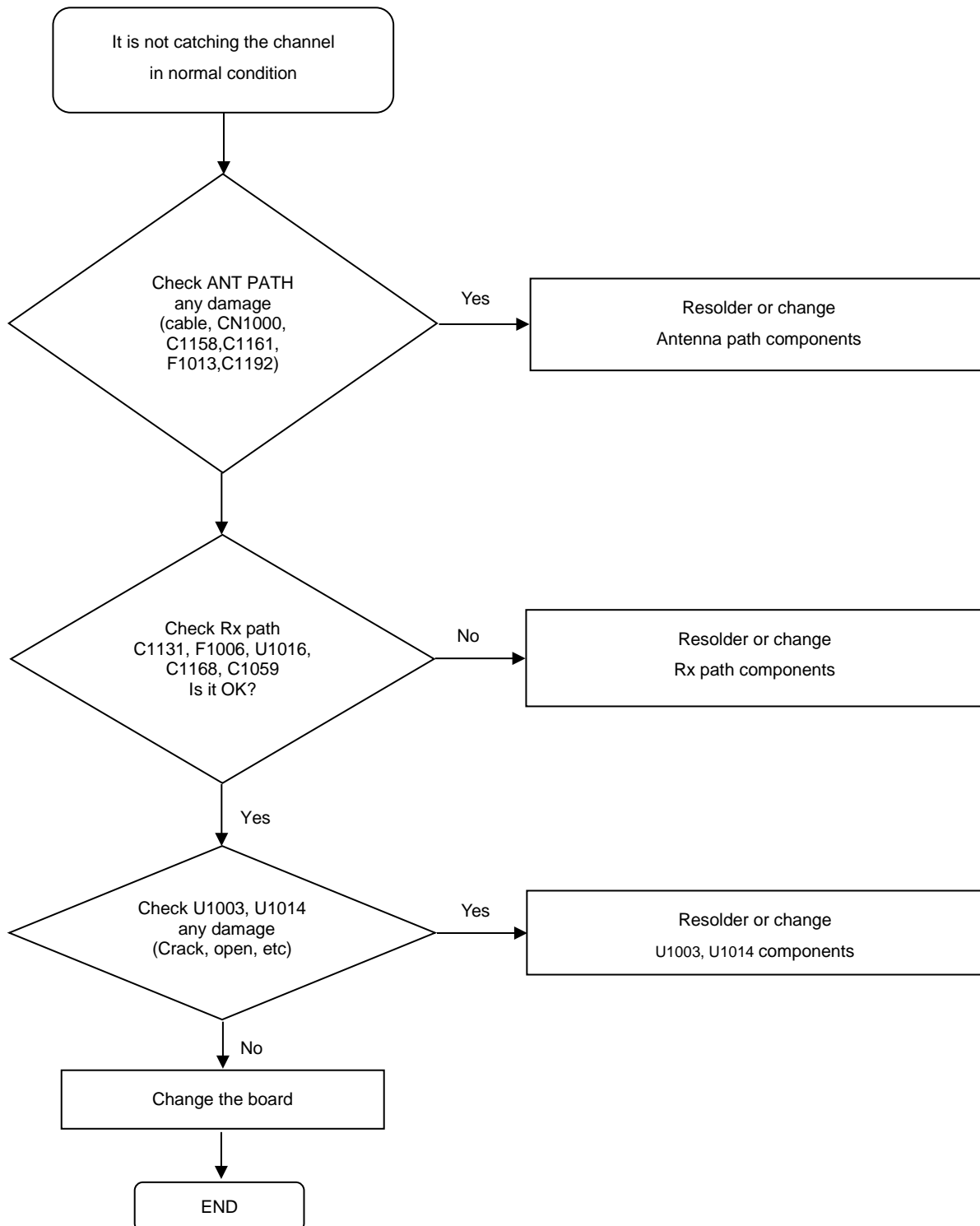
8. Level 3 Repair

8-4-23. LTE 20 RX



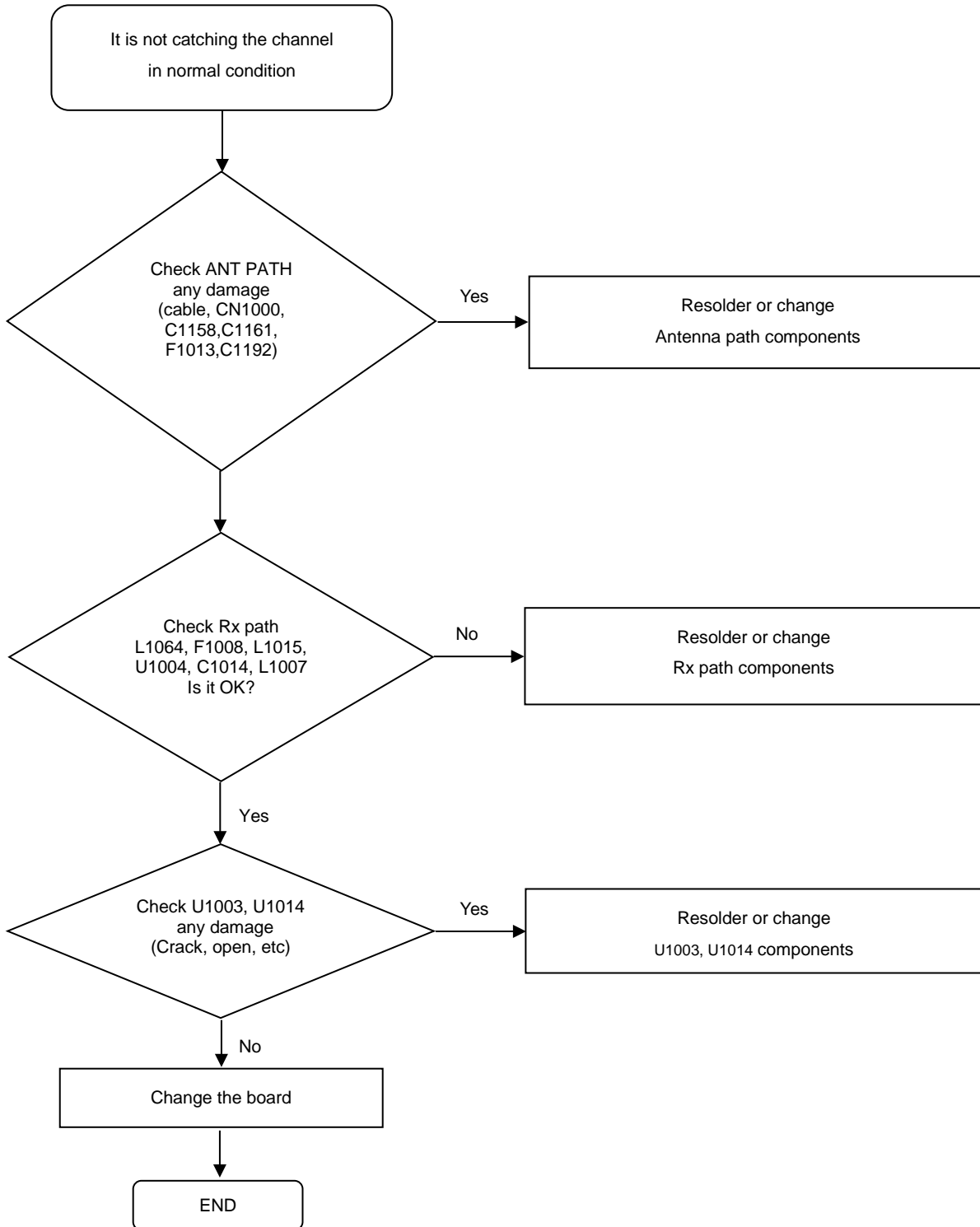
8. Level 3 Repair

8-4-24. LTE 7 RX



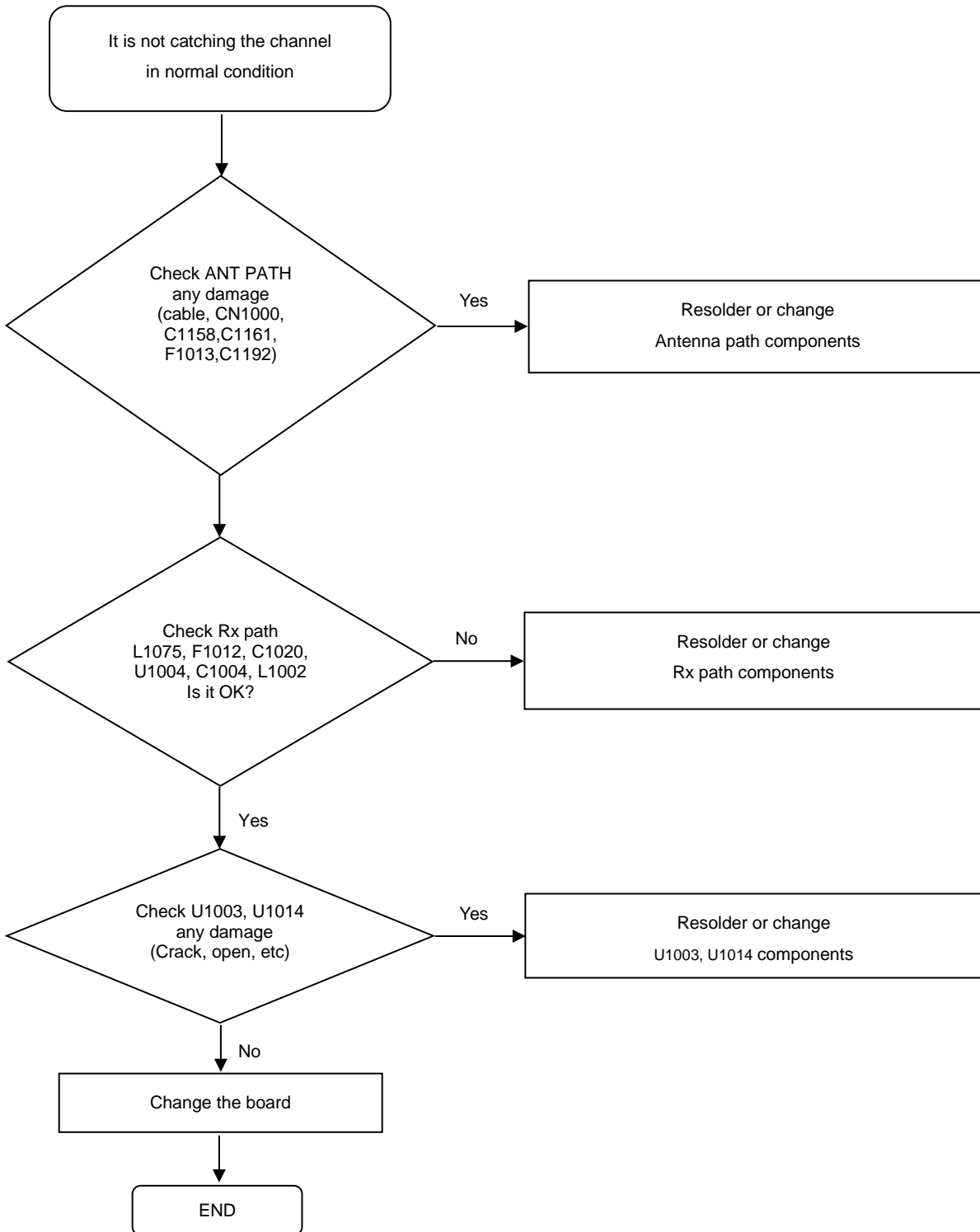
8. Level 3 Repair

8-4-25. LTE 38 RX



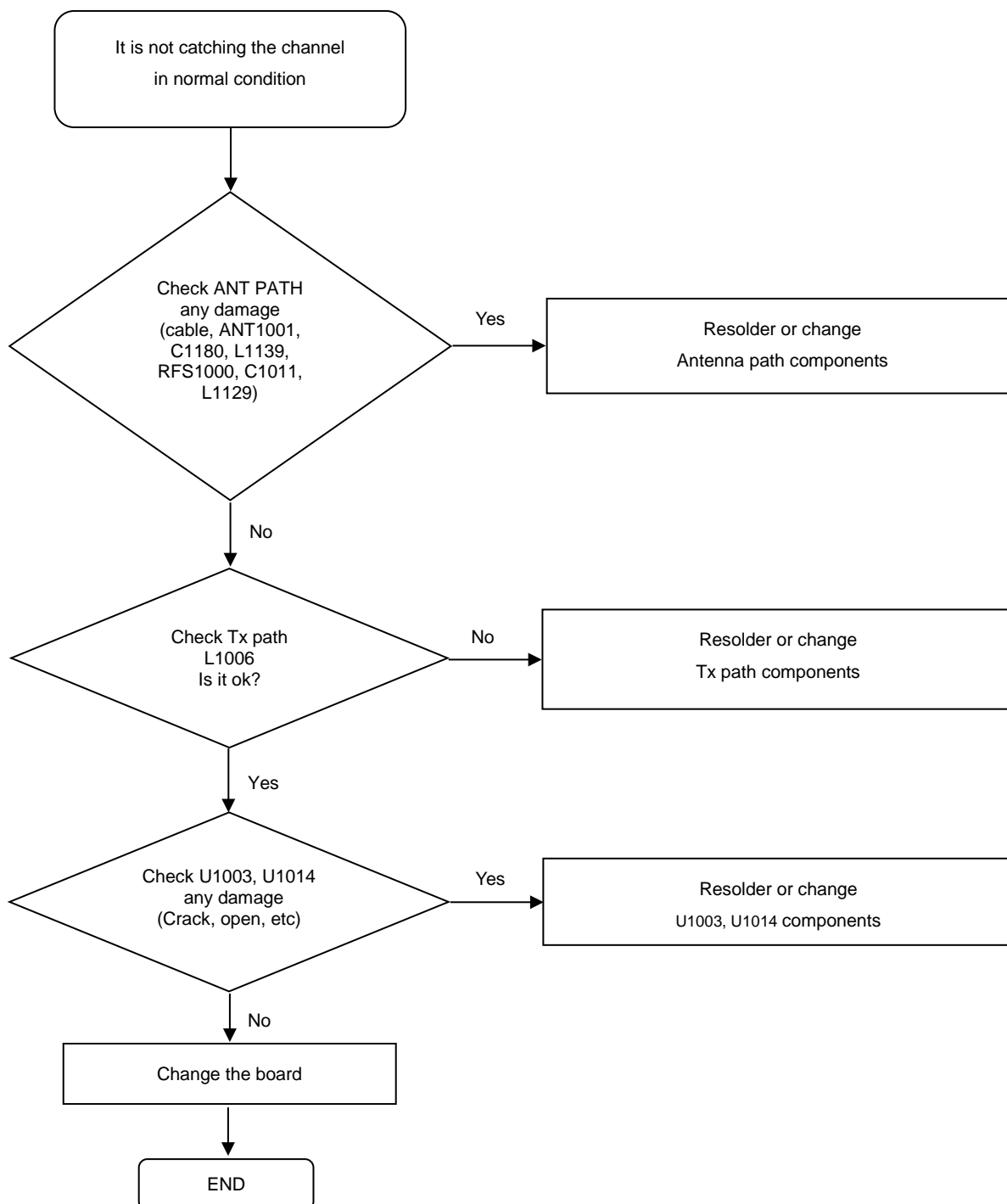
8. Level 3 Repair

8-4-26. LTE 40 RX



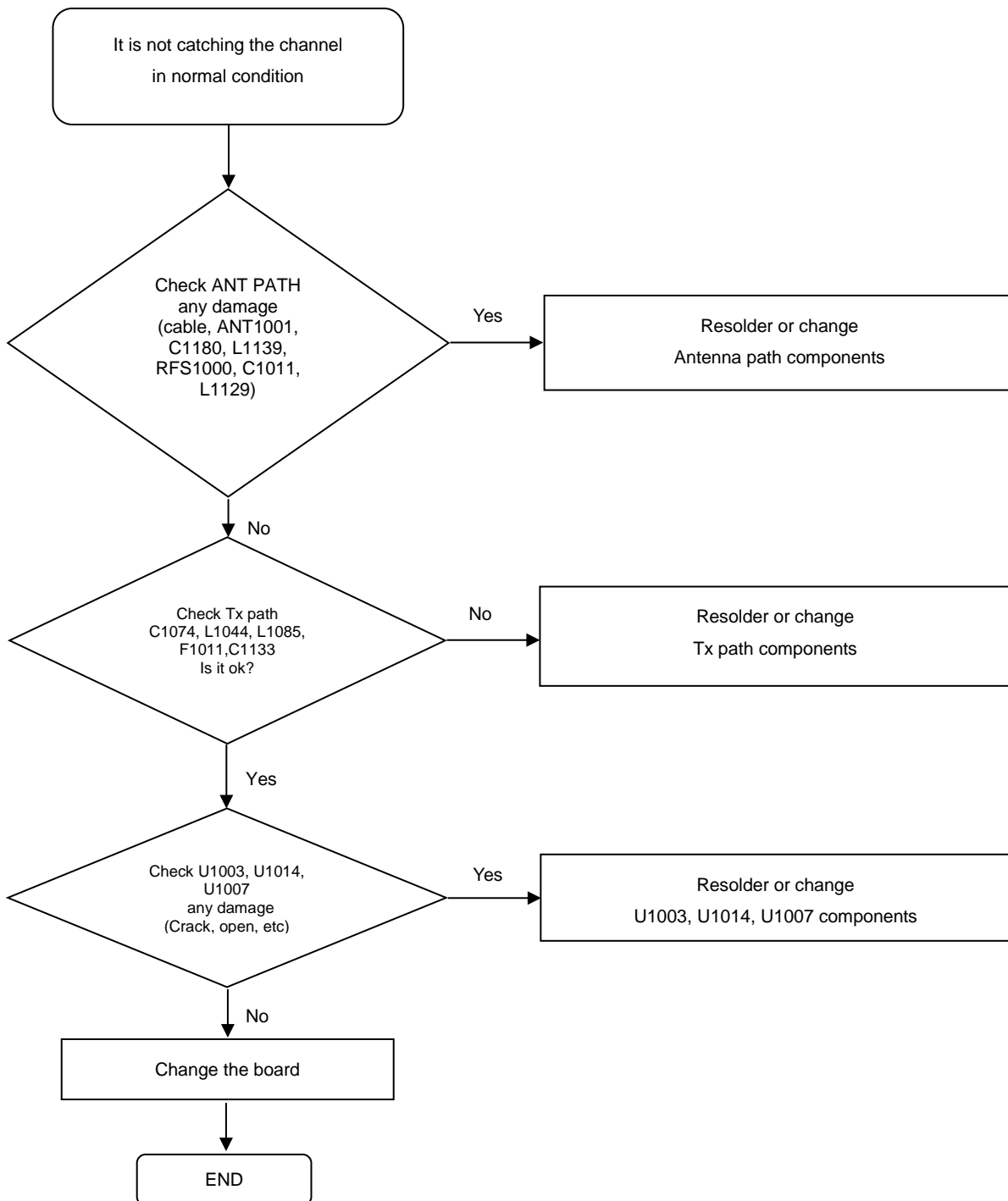
8. Level 3 Repair

8-4-27. GSM1800, 1900 TX



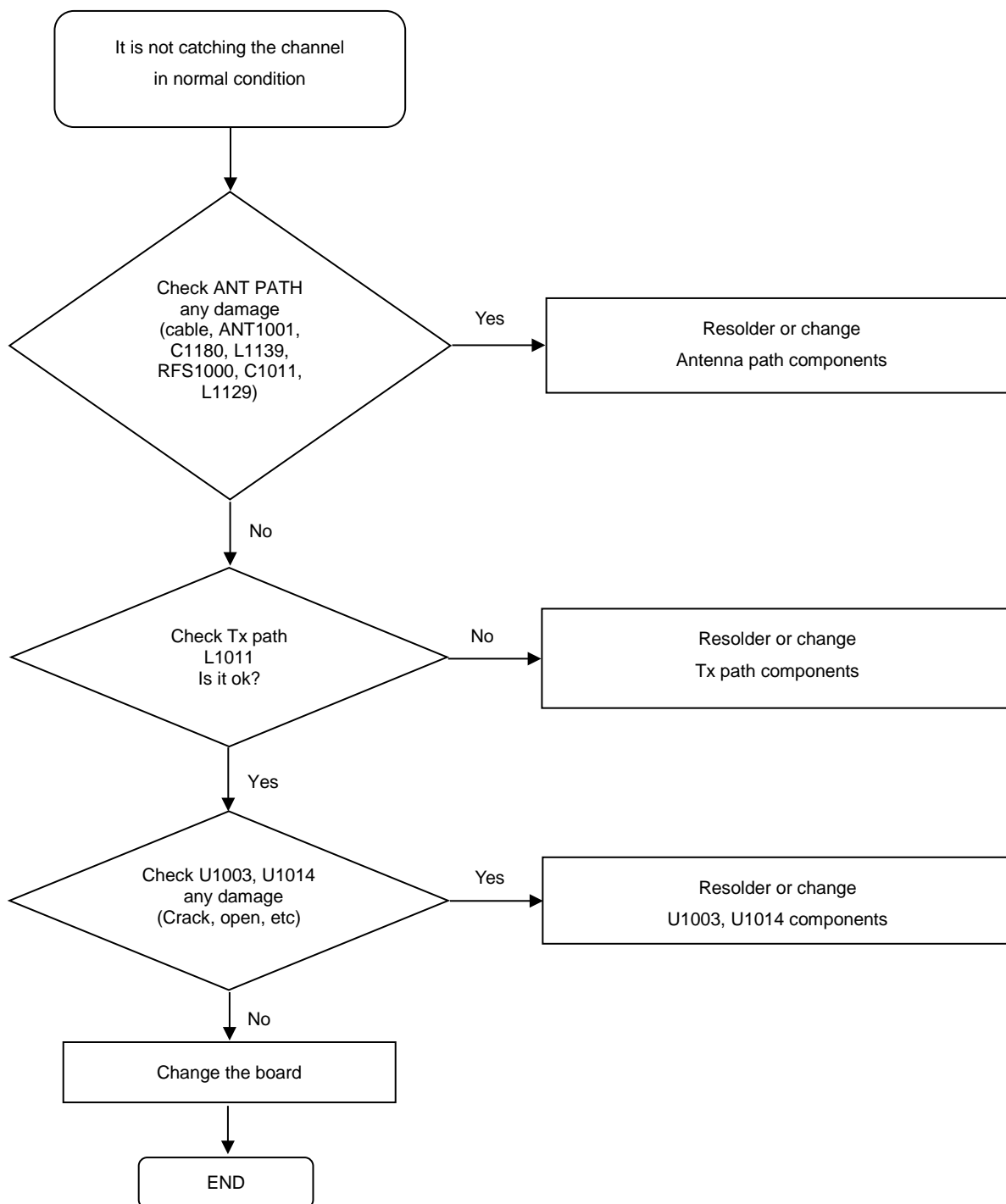
8. Level 3 Repair

8-4-28 LTE 20 TX



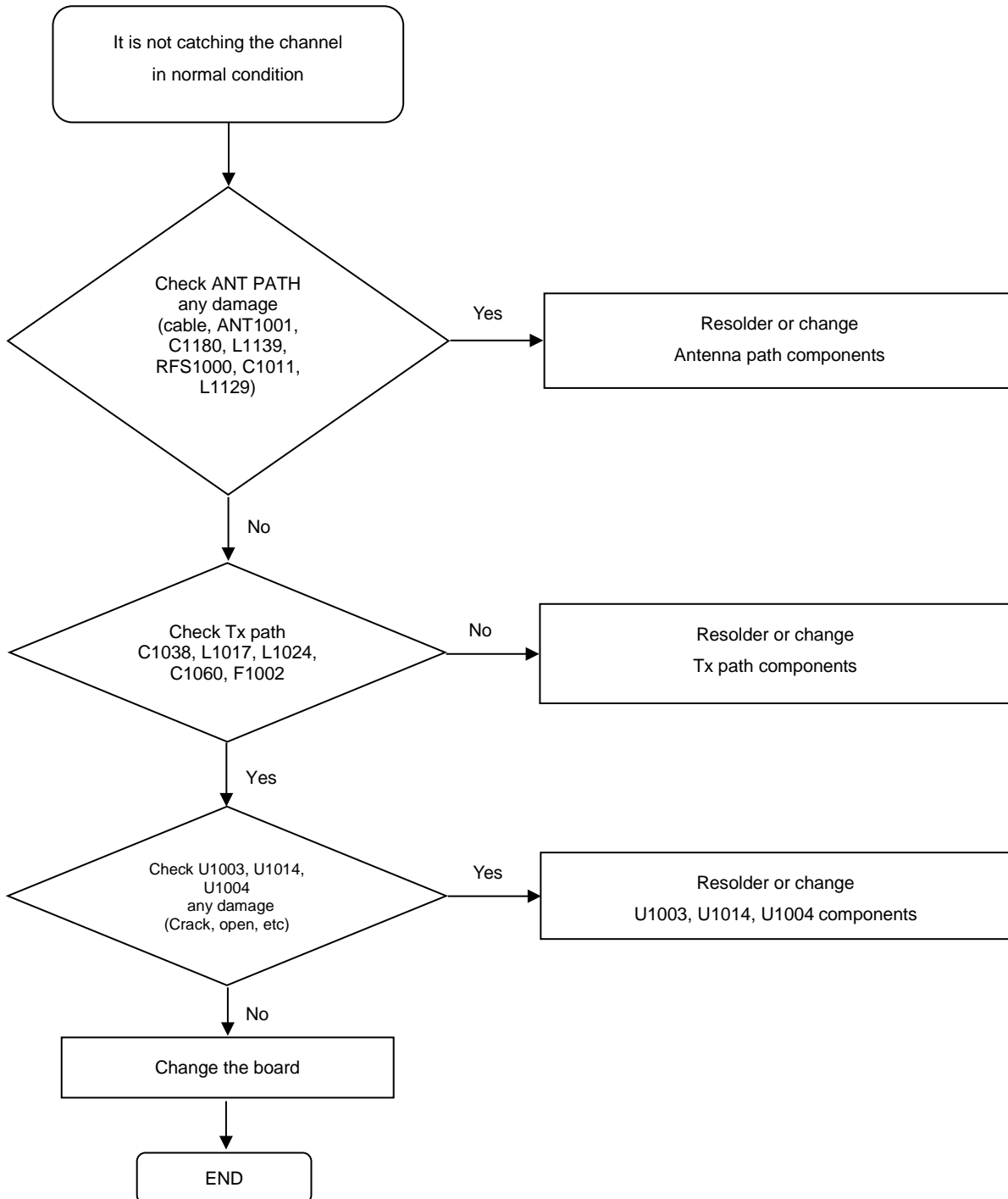
8. Level 3 Repair

8-4-29. GSM850, 900 TX



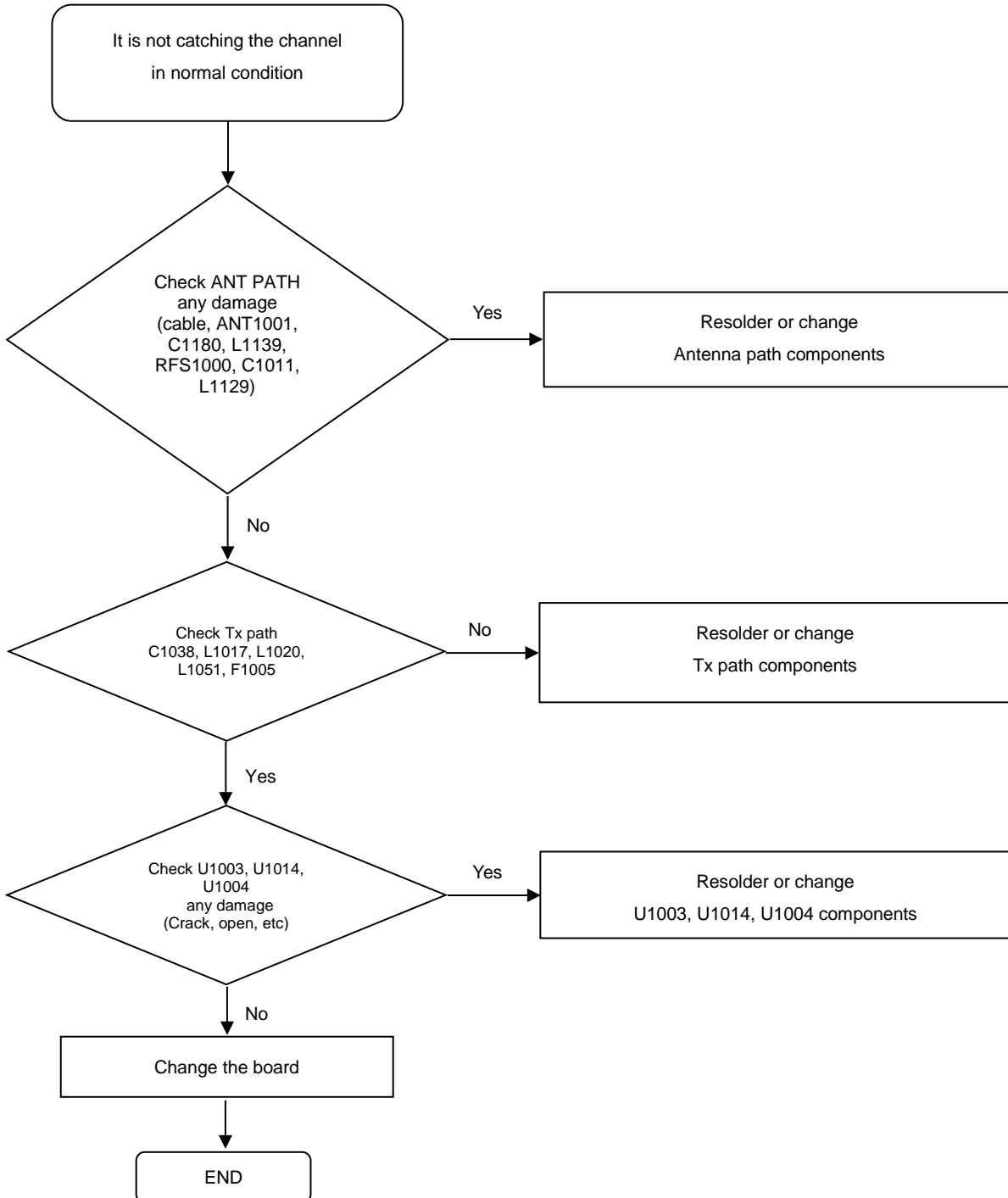
8. Level 3 Repair

8-4-30 WCDMA B1, LTE B1 TX



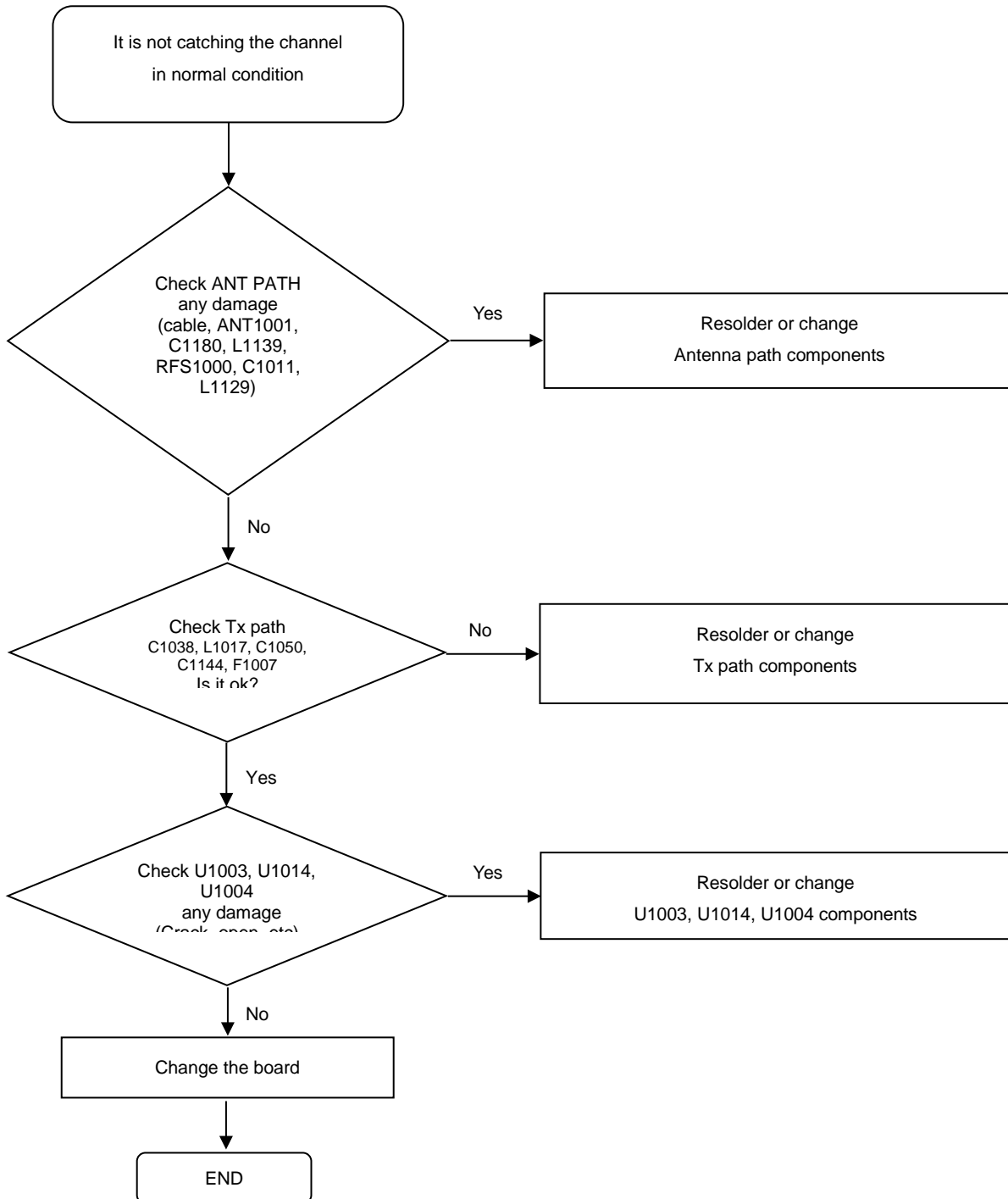
8. Level 3 Repair

8-4-31 WCDMA B2, LTE B2 TX



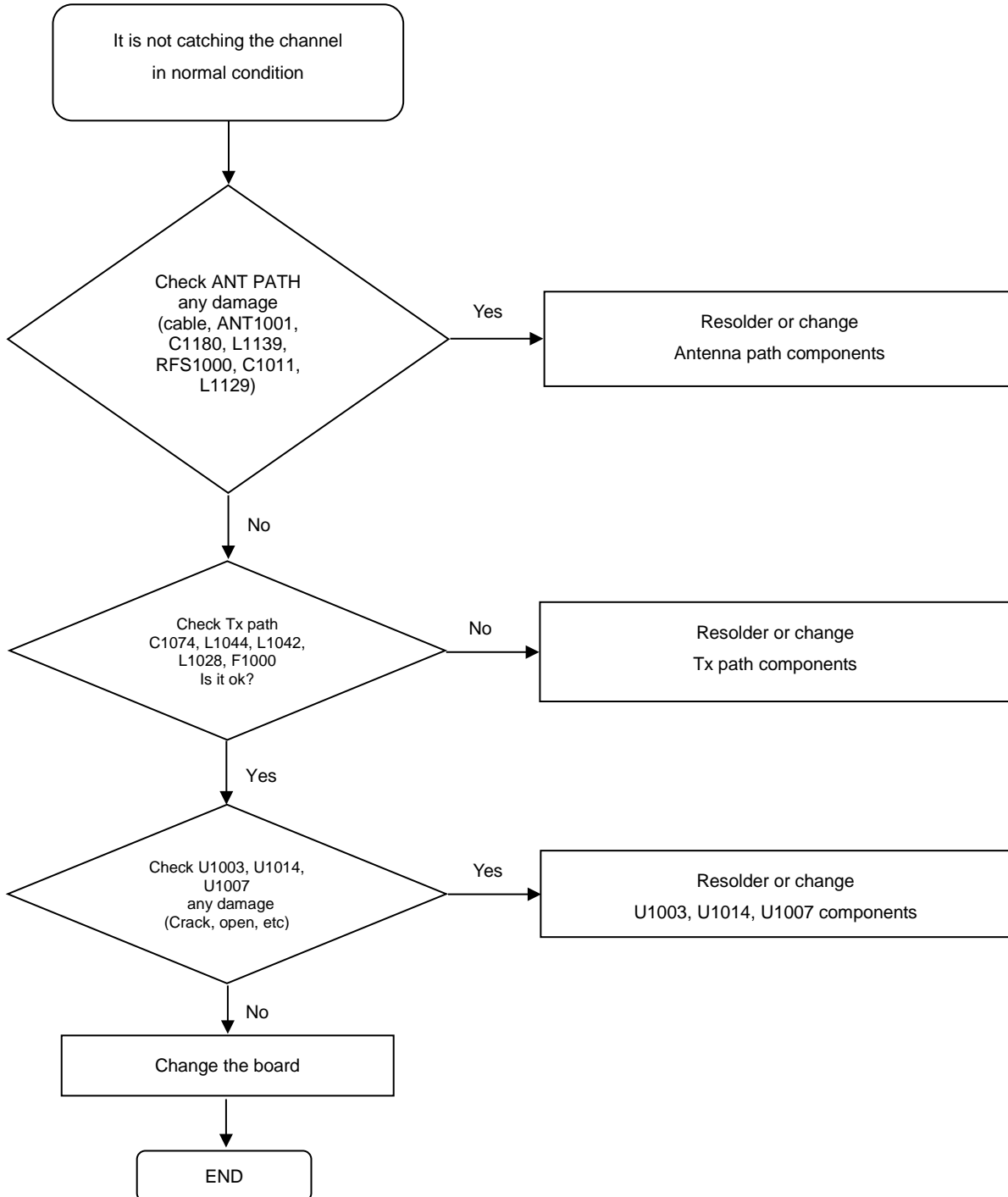
8. Level 3 Repair

8-4-32 LTE B3 TX



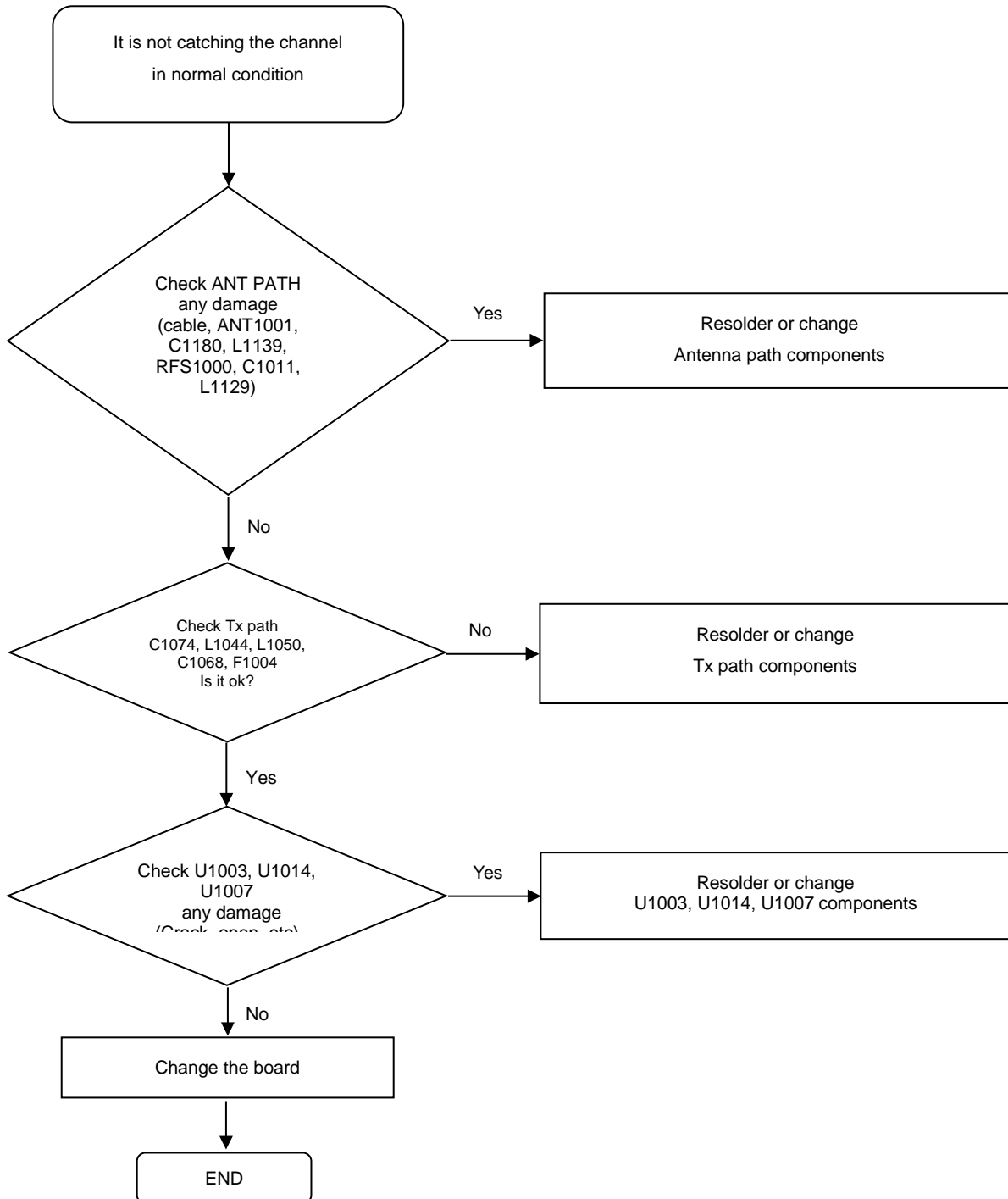
8. Level 3 Repair

8-4-33 WCDMA B5, LTE B5 TX



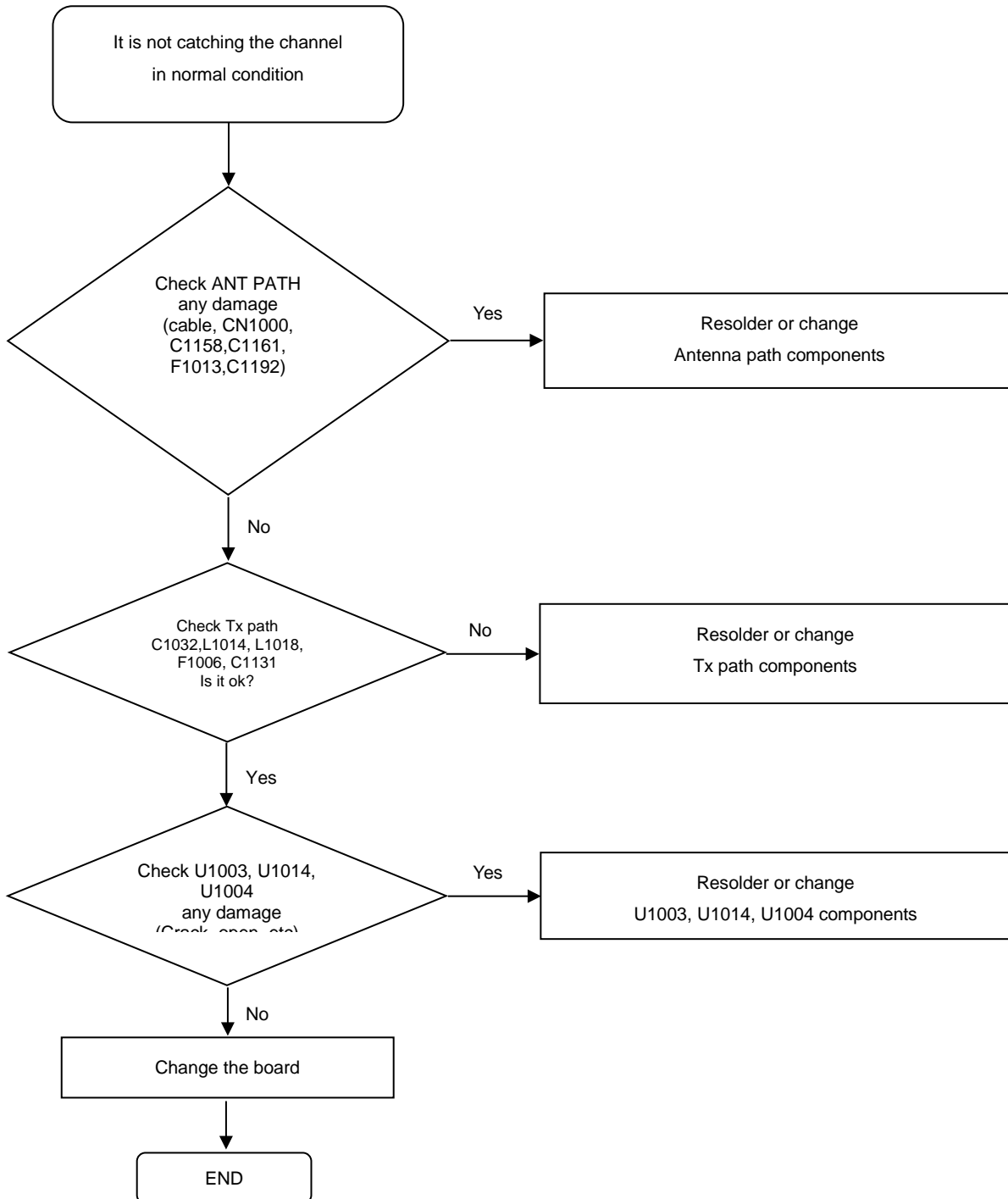
8. Level 3 Repair

8-4-34 WCDMA B8, LTE B8 TX



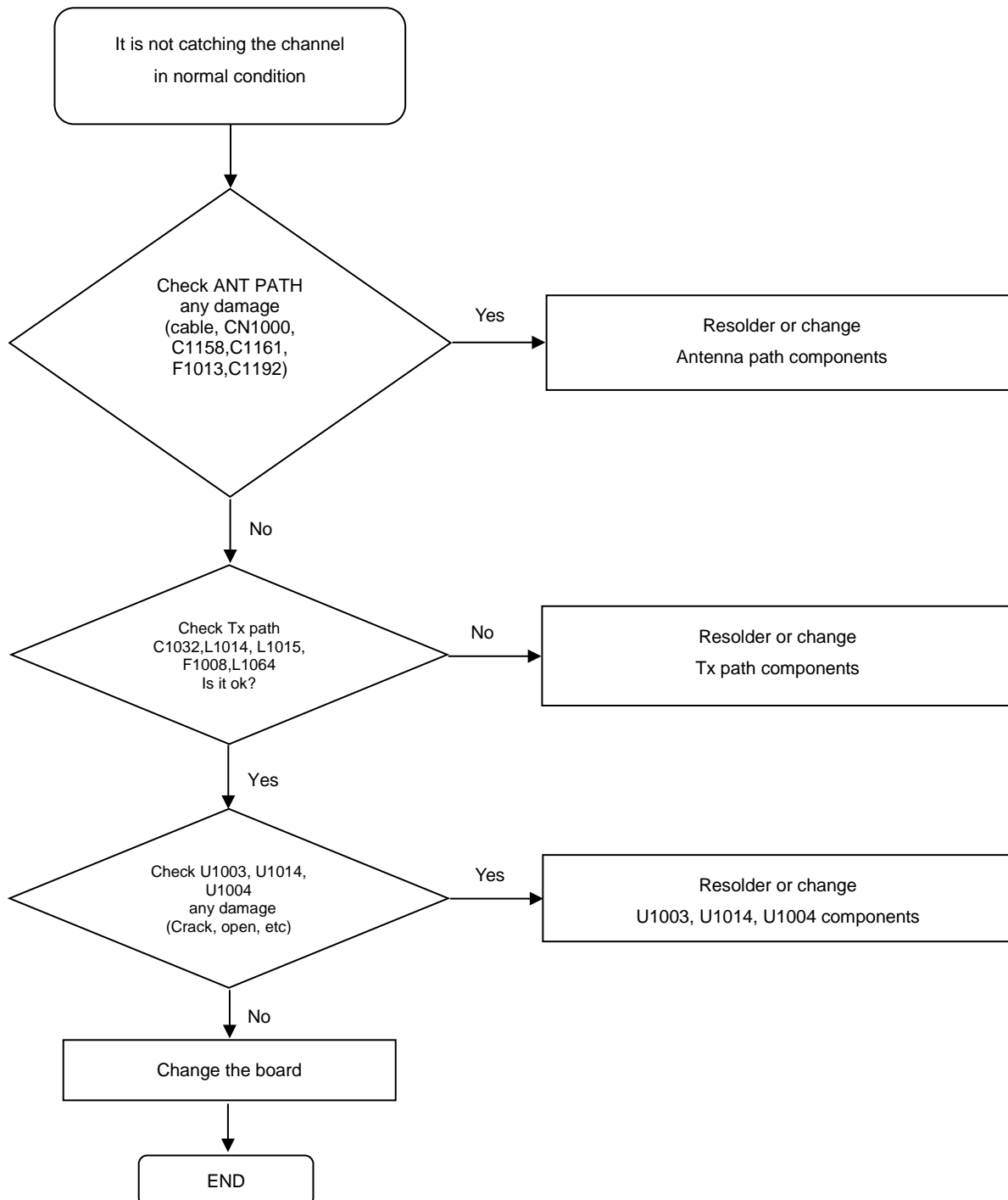
8. Level 3 Repair

8-4-35 LTE B7 TX



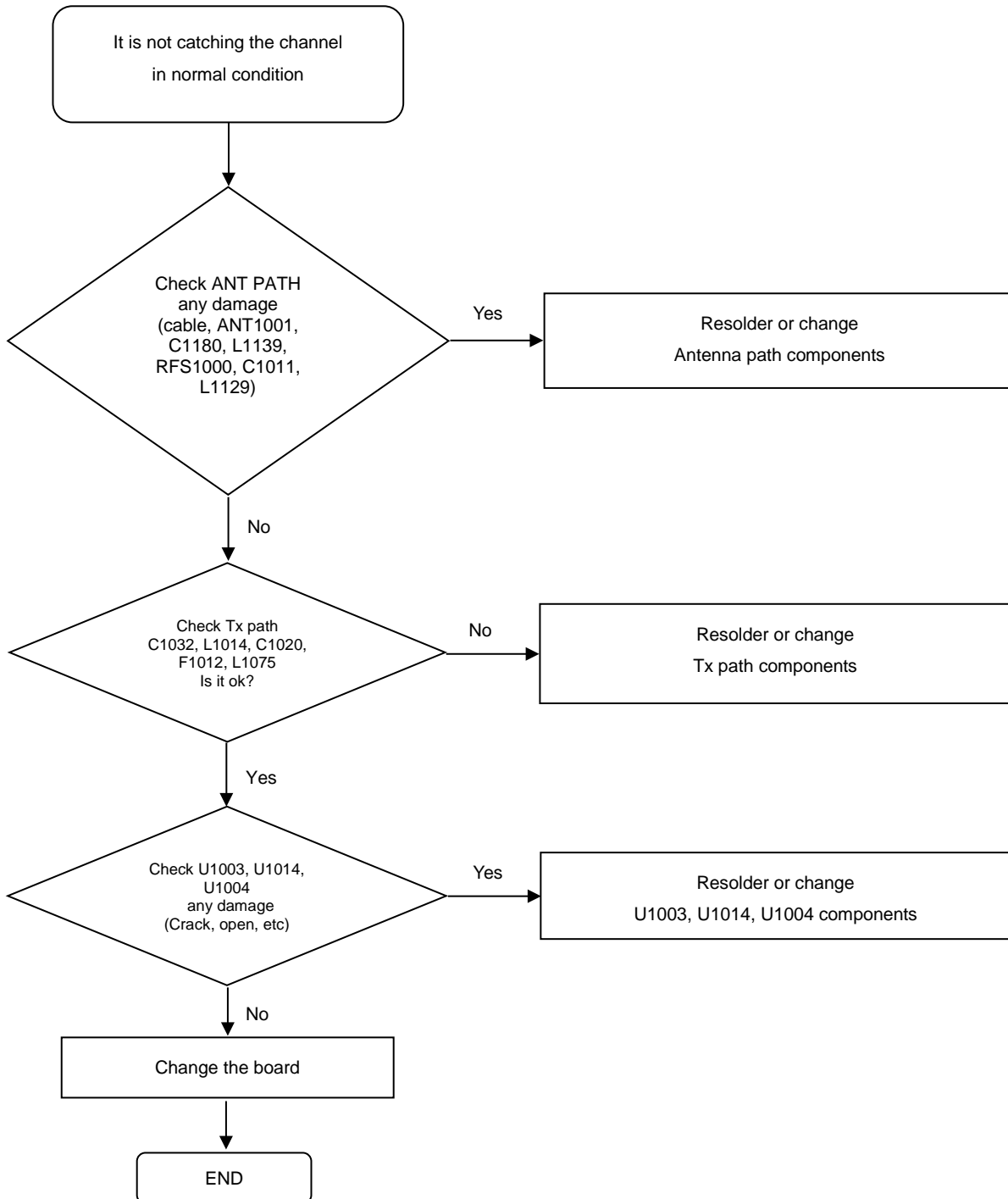
8. Level 3 Repair

8-4-36 LTE B38 TX



8. Level 3 Repair

8-4-37 LTE B40 TX



8. Level 3 Repair

8-5. Service Schematics - NC Point(Top View)

UCP5000 (AP)
NC : AT12