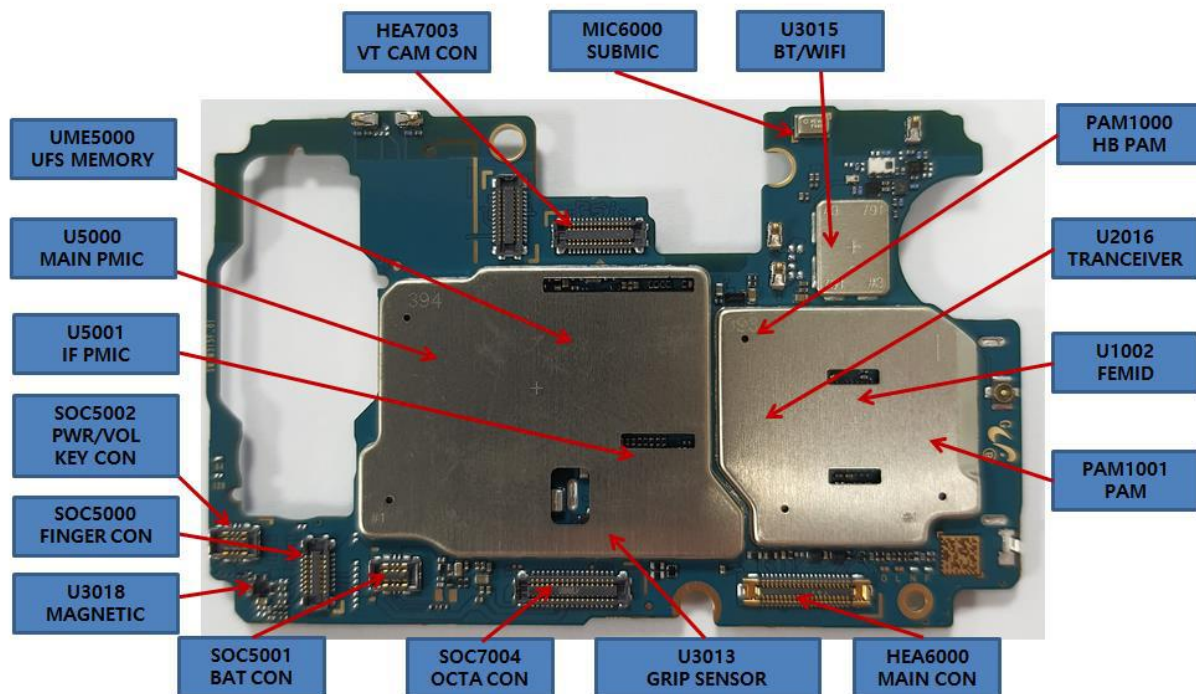
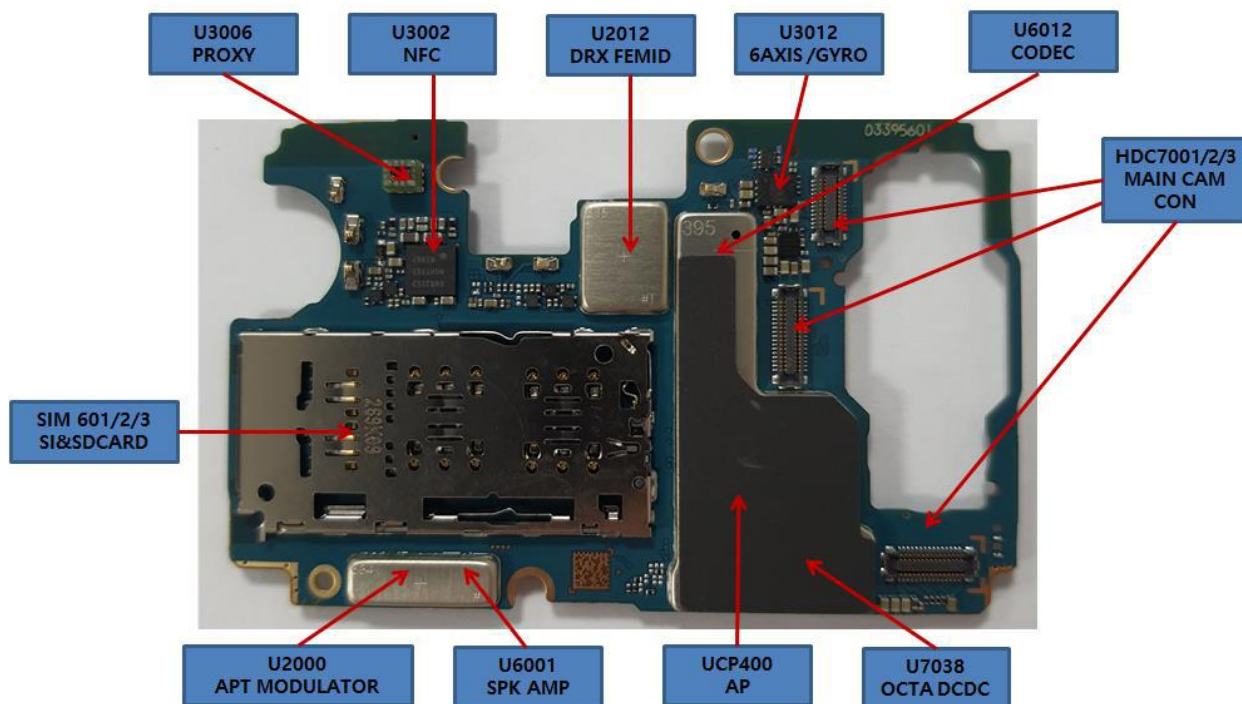

8. Level 3 Repair

8-1. Components Layout

MAIN PBA (TOP SIDE)

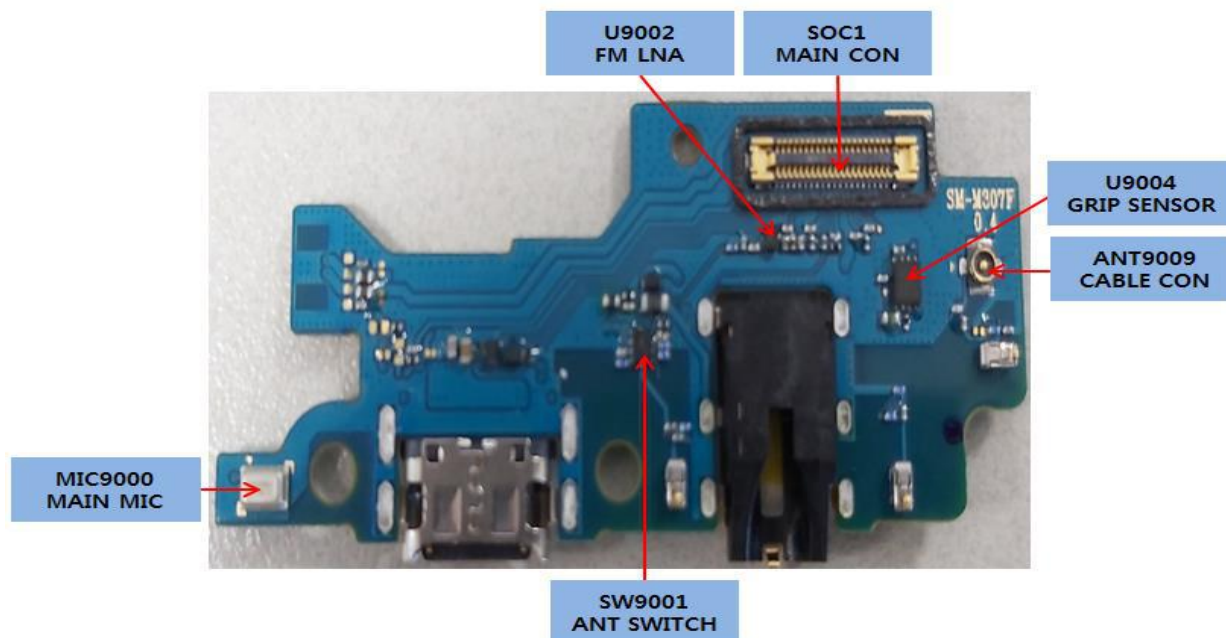


MAIN PBA (BOTTOM SIDE)

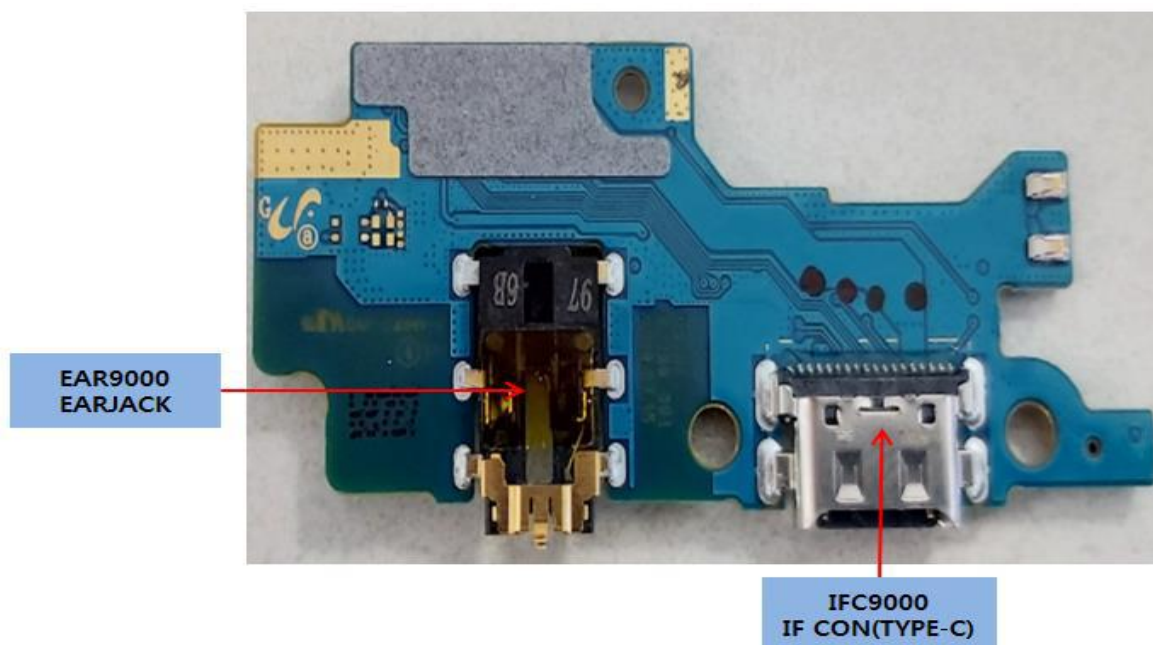


8. Level 3 Repair

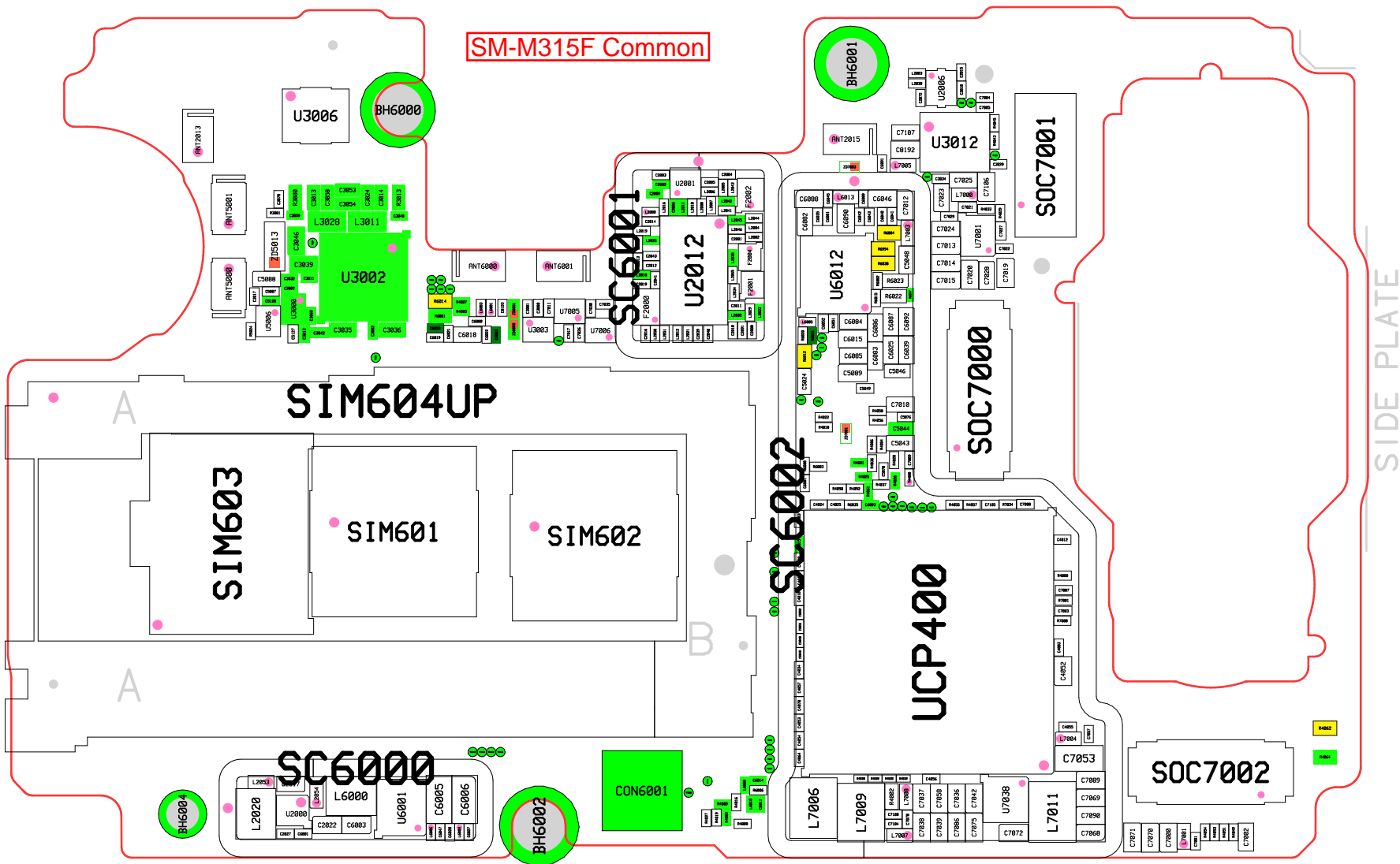
SUB PBA (TOP SIDE)



SUB PBA (BOTTOM SIDE)

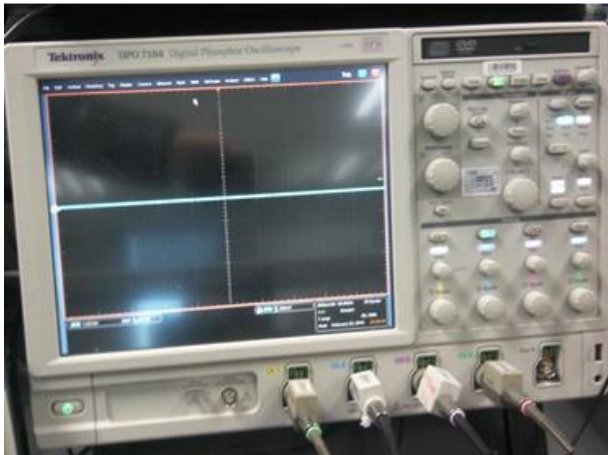


SM-M315F Common



8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



Oscilloscope



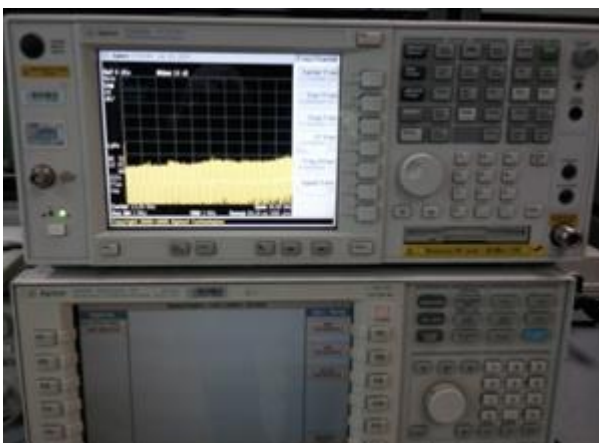
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



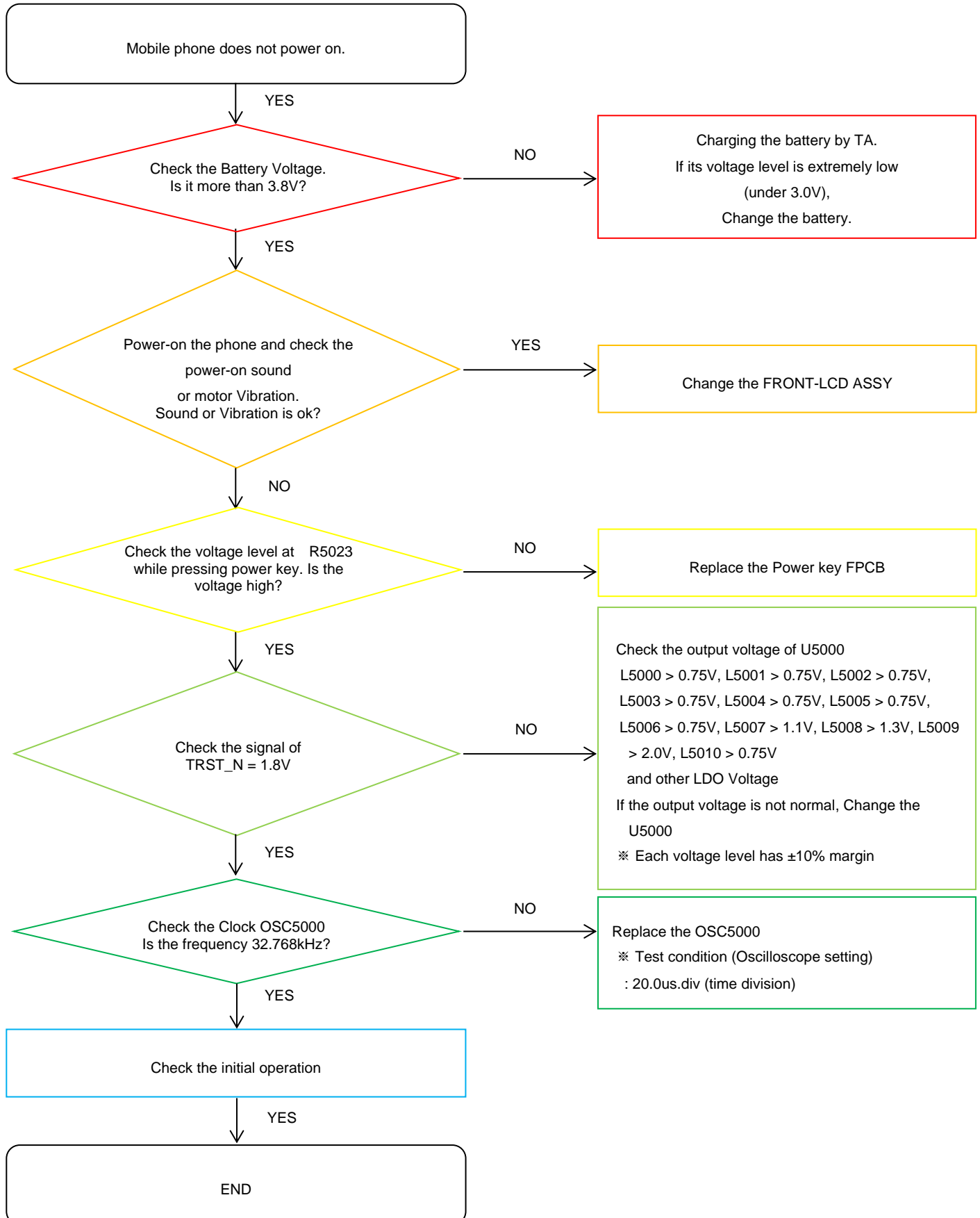
8960 & Spectrum Analyzer



Soldering iron

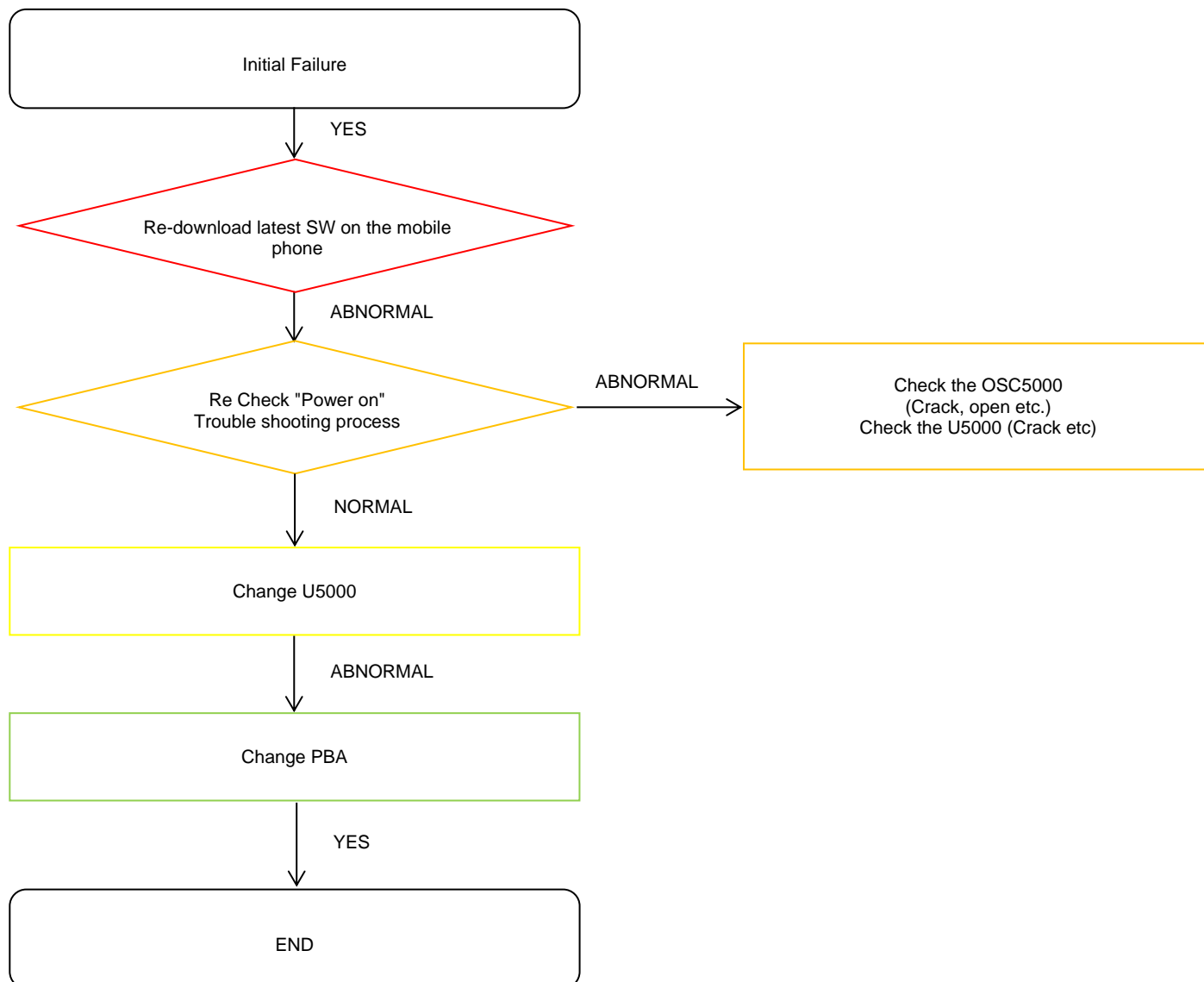
8. Level 3 Repair

8-4-1. Power On



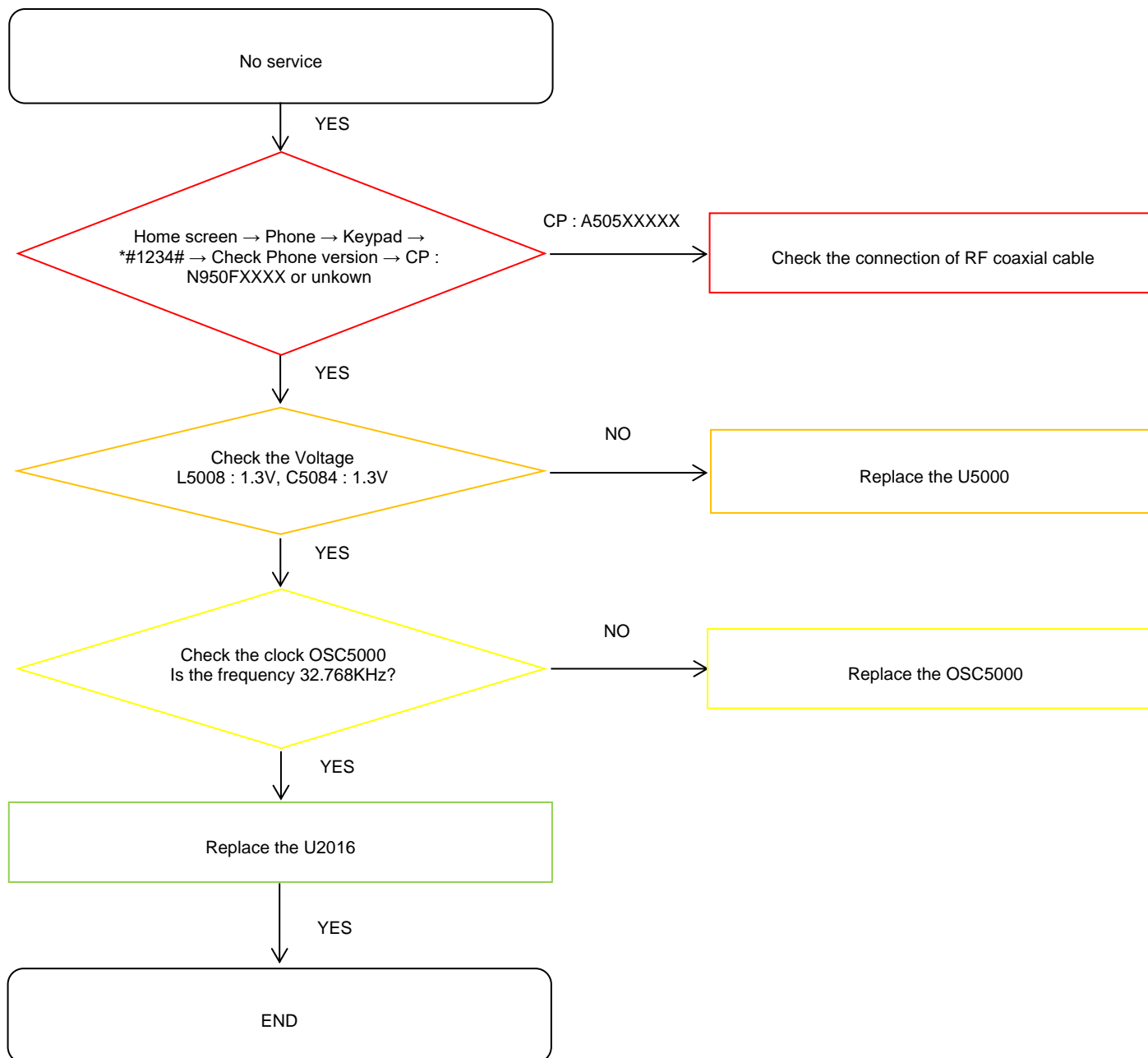
8. Level 3 Repair

8-4-2. Initial



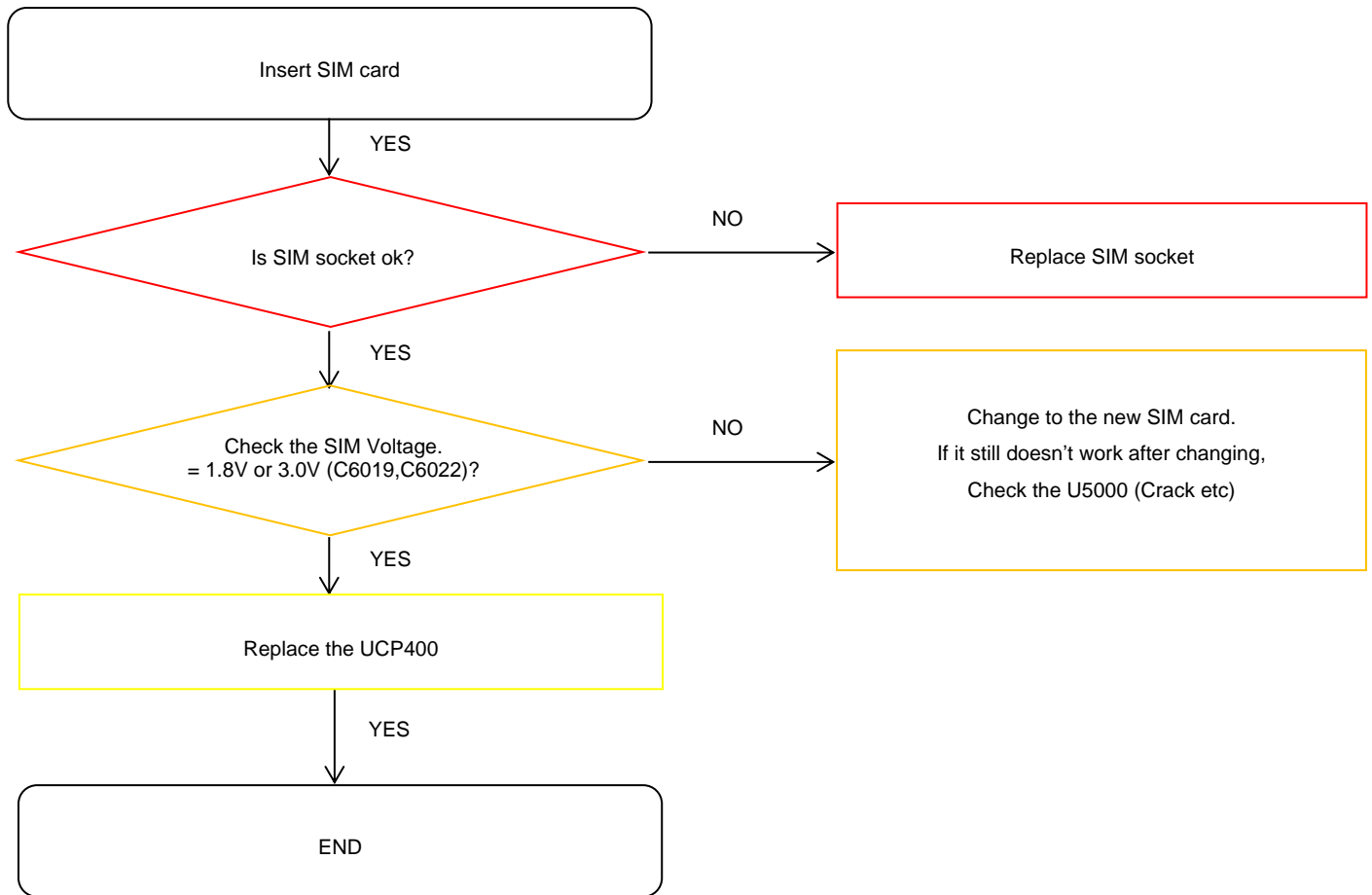
8. Level 3 Repair

8-4-3. No Service



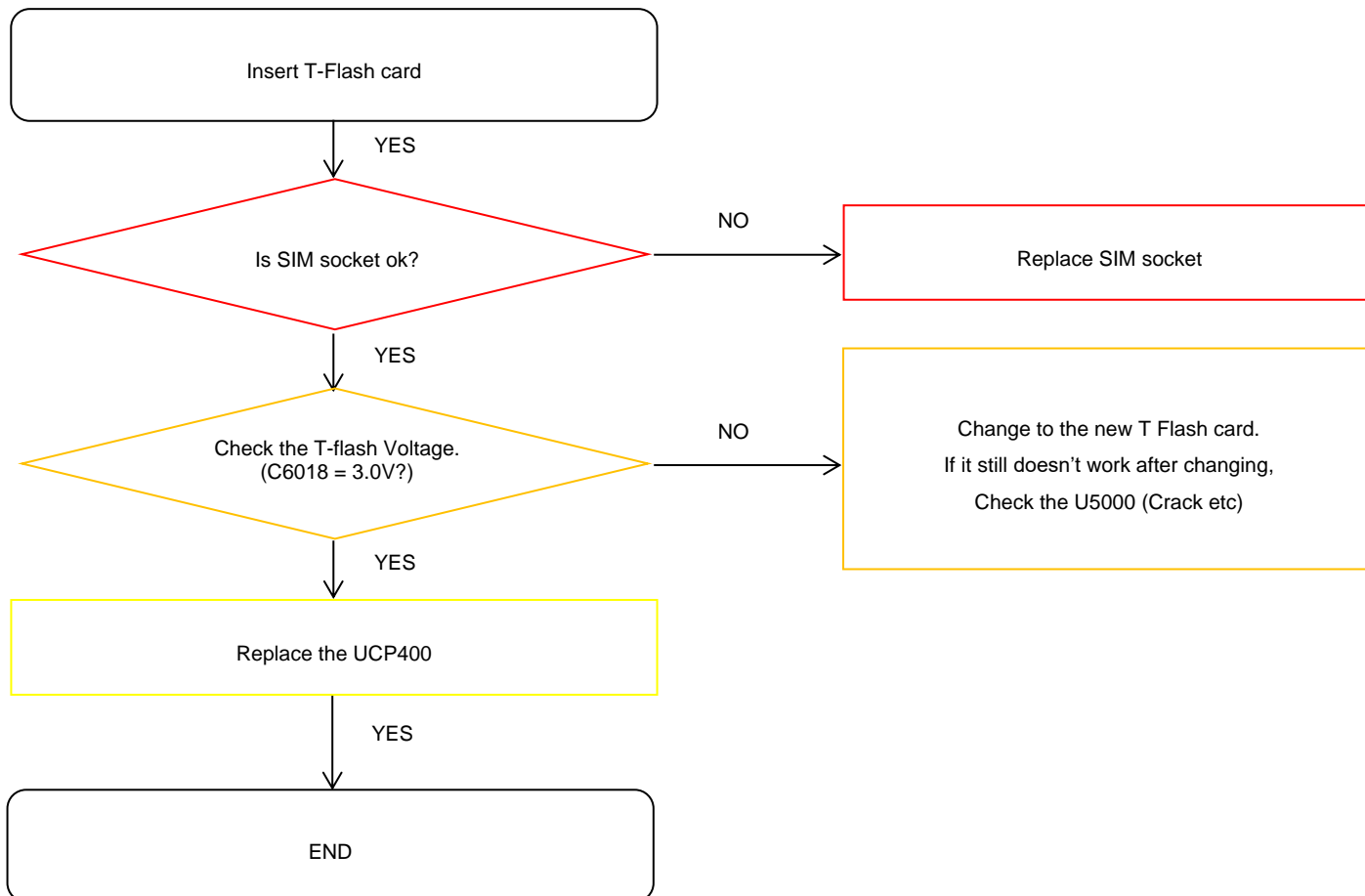
8. Level 3 Repair

8-4-4. SIM Part



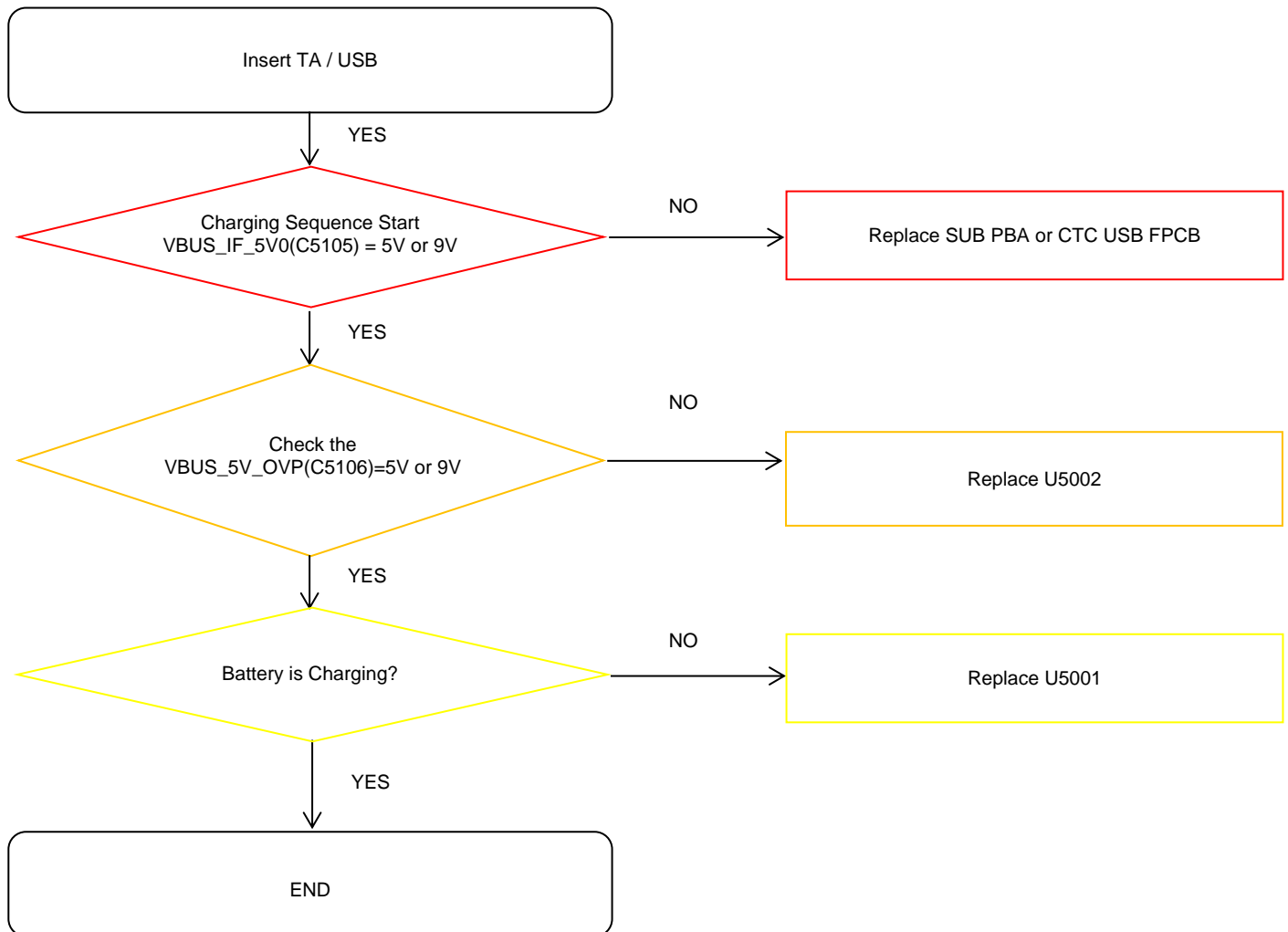
8. Level 3 Repair

8-4-5. T-Flash Part



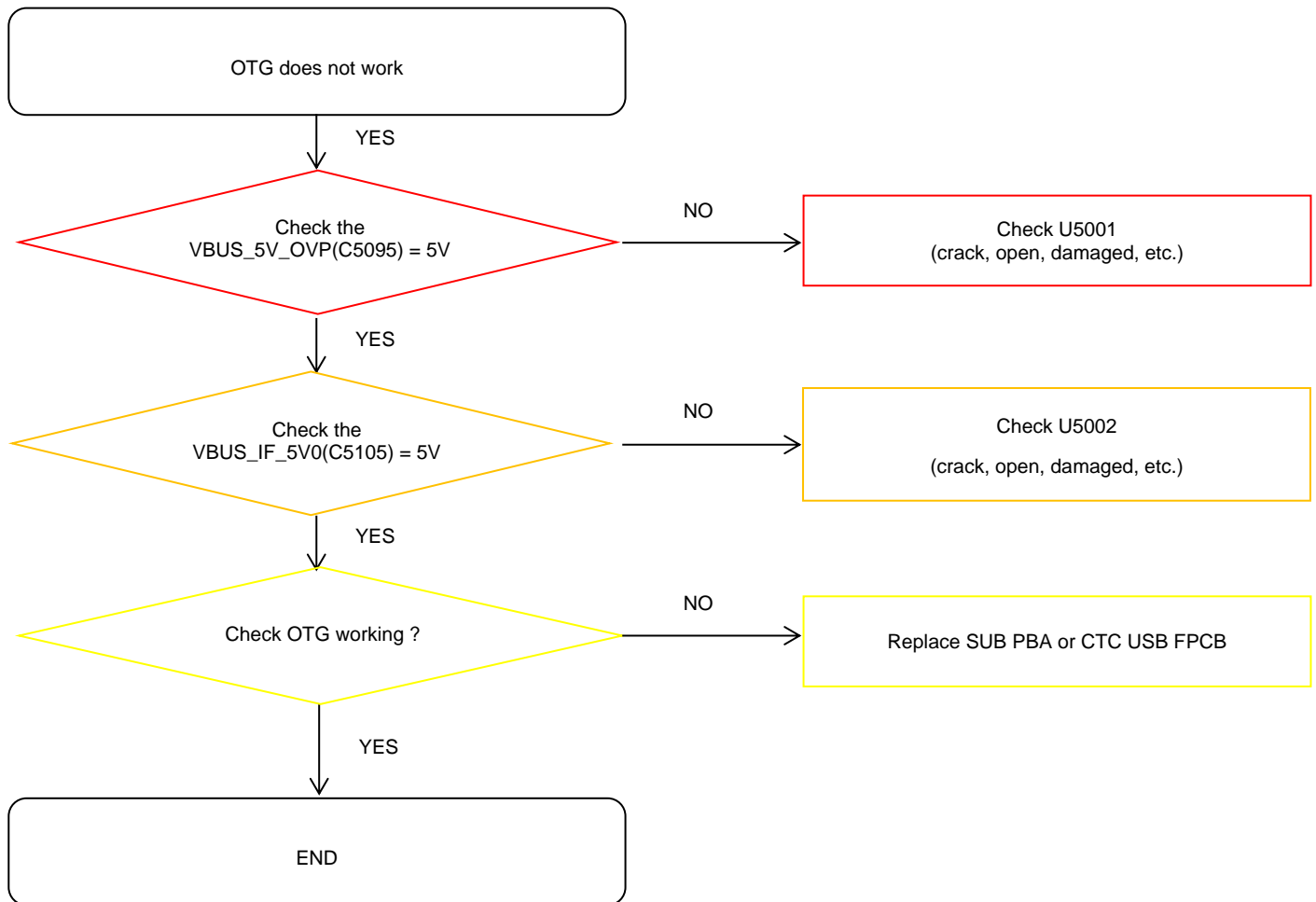
8. Level 3 Repair

8-4-6. Cable Charging Part



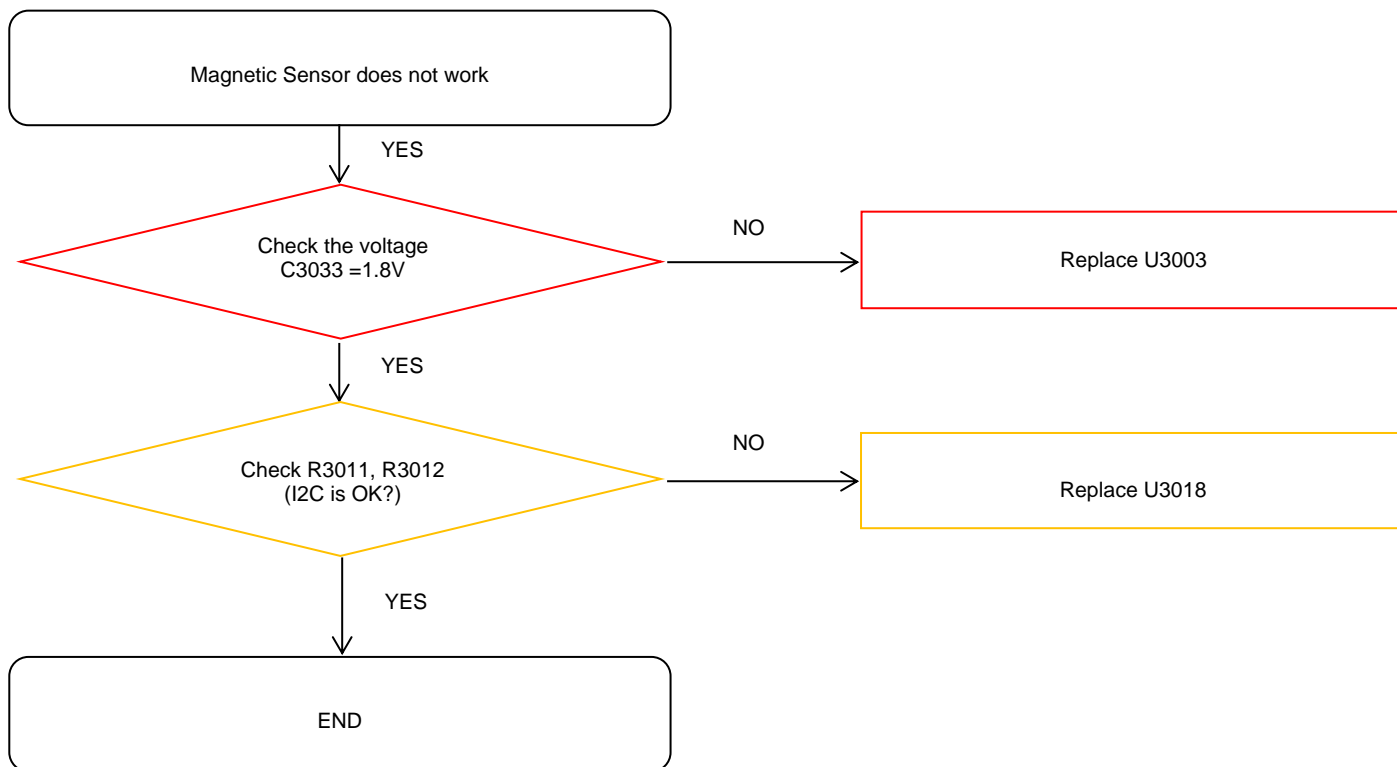
8. Level 3 Repair

8-4-7. OTG



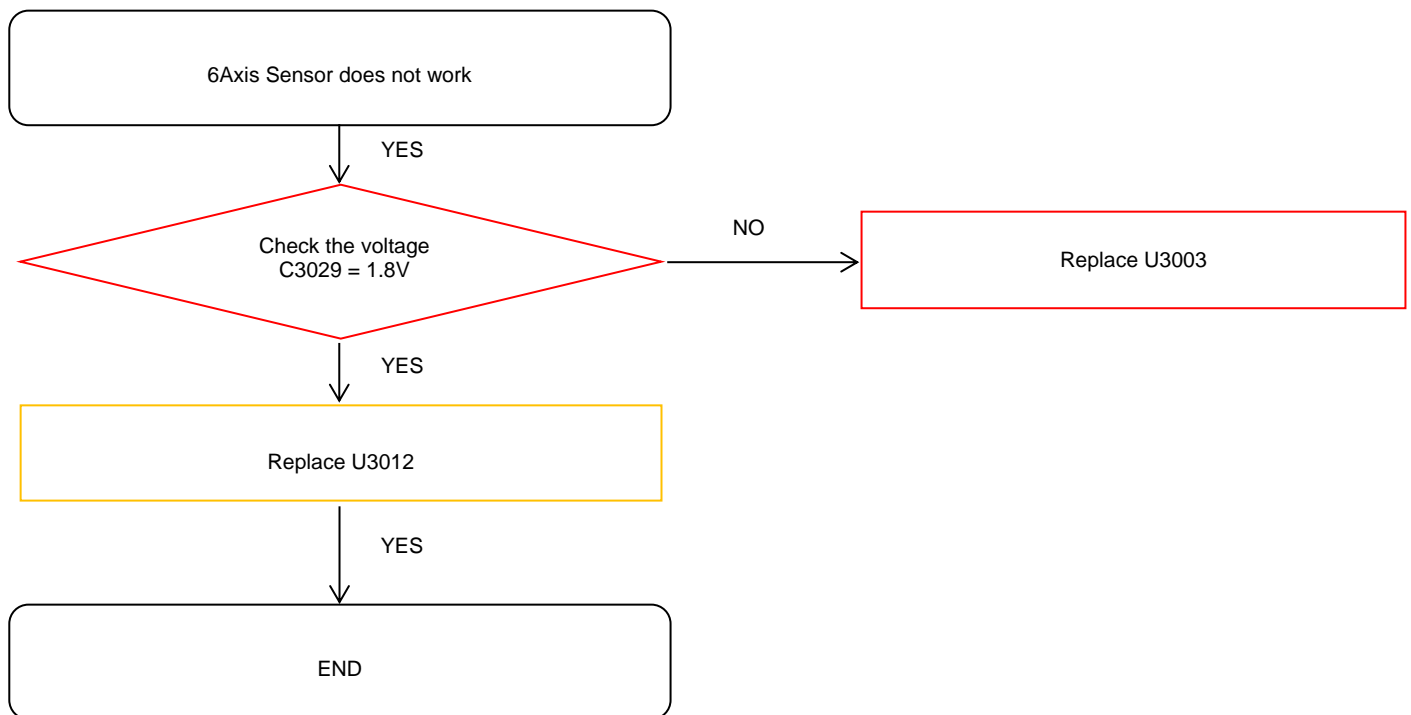
8. Level 3 Repair

8-4-8-1. Magnetic Sensor



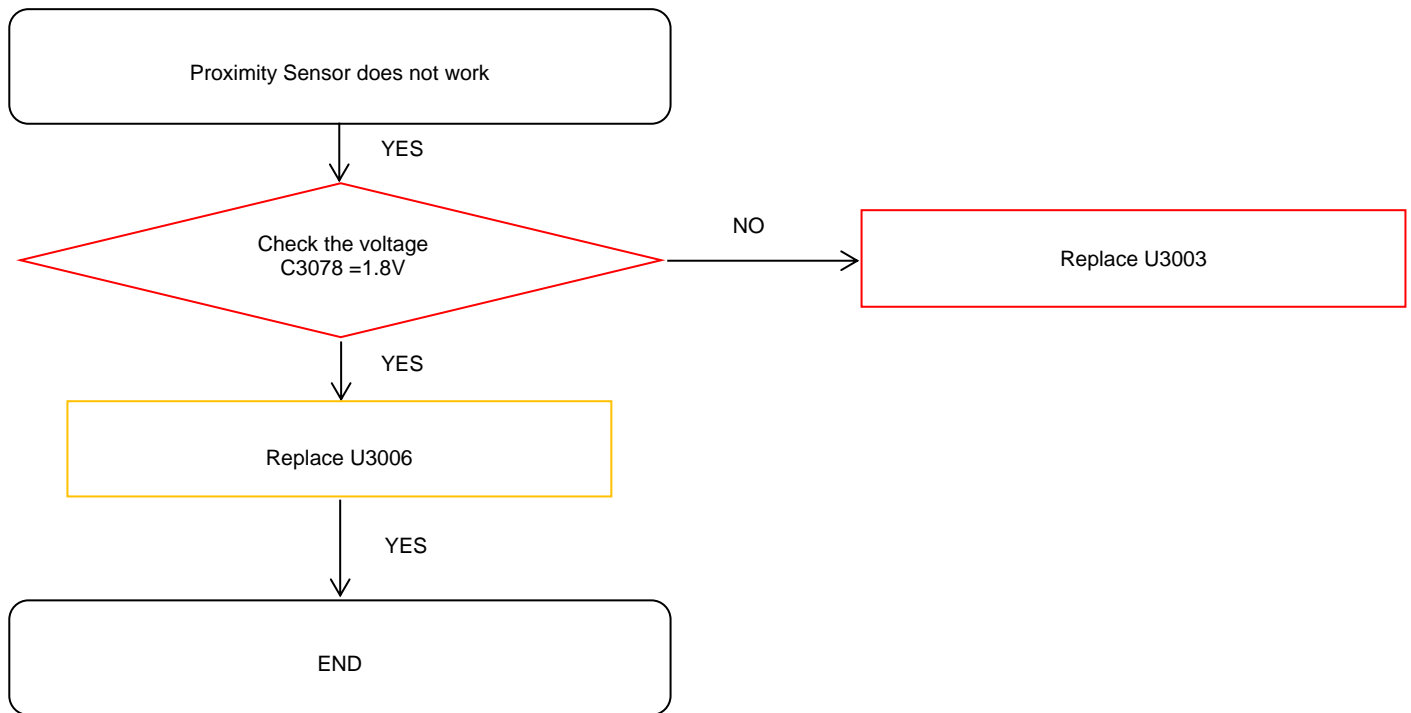
8. Level 3 Repair

8-4-8-2. 6Axis Sensor



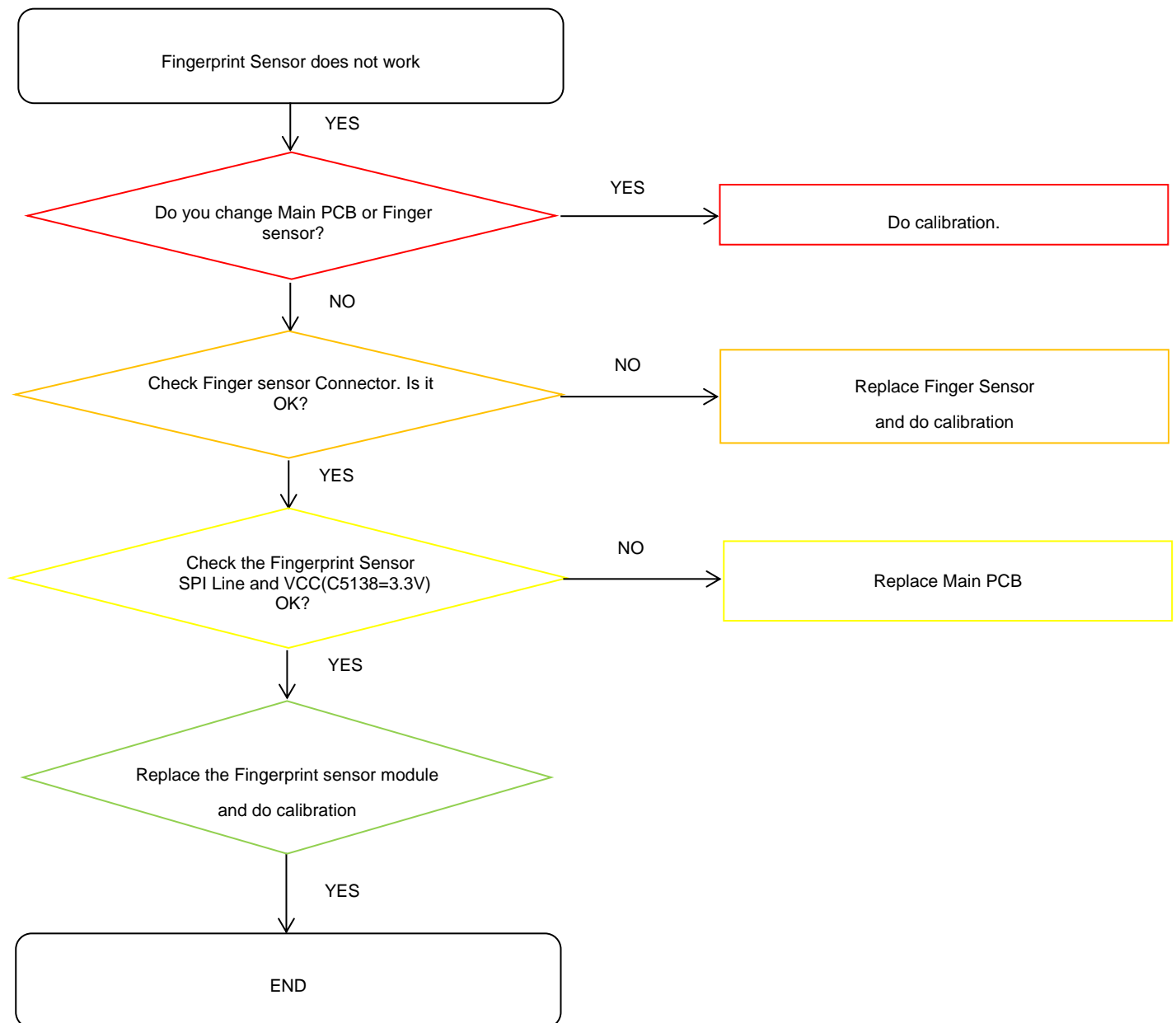
8. Level 3 Repair

8-4-8-3. Proximity



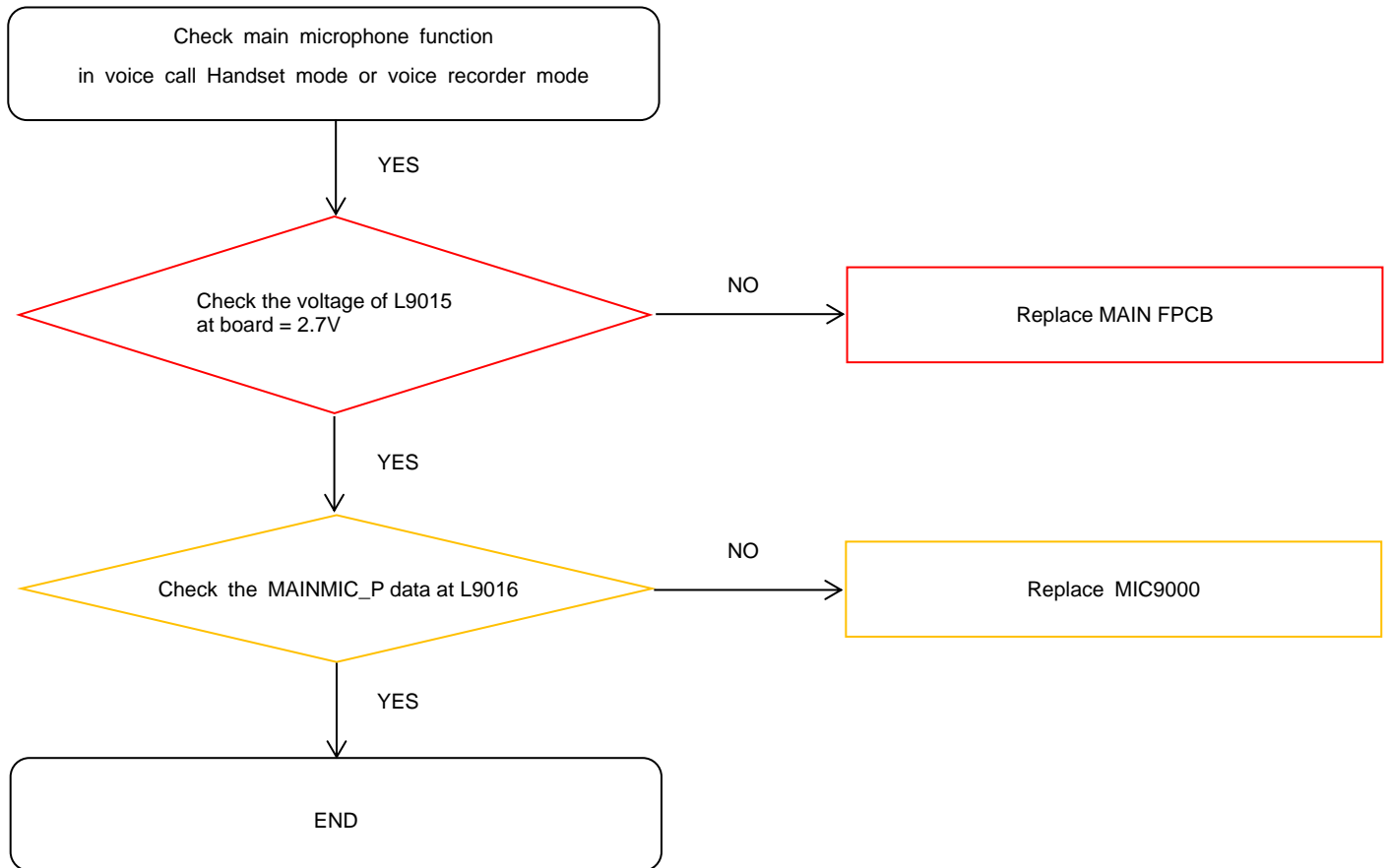
8. Level 3 Repair

8-4-8-4. Fingerprint Sensor



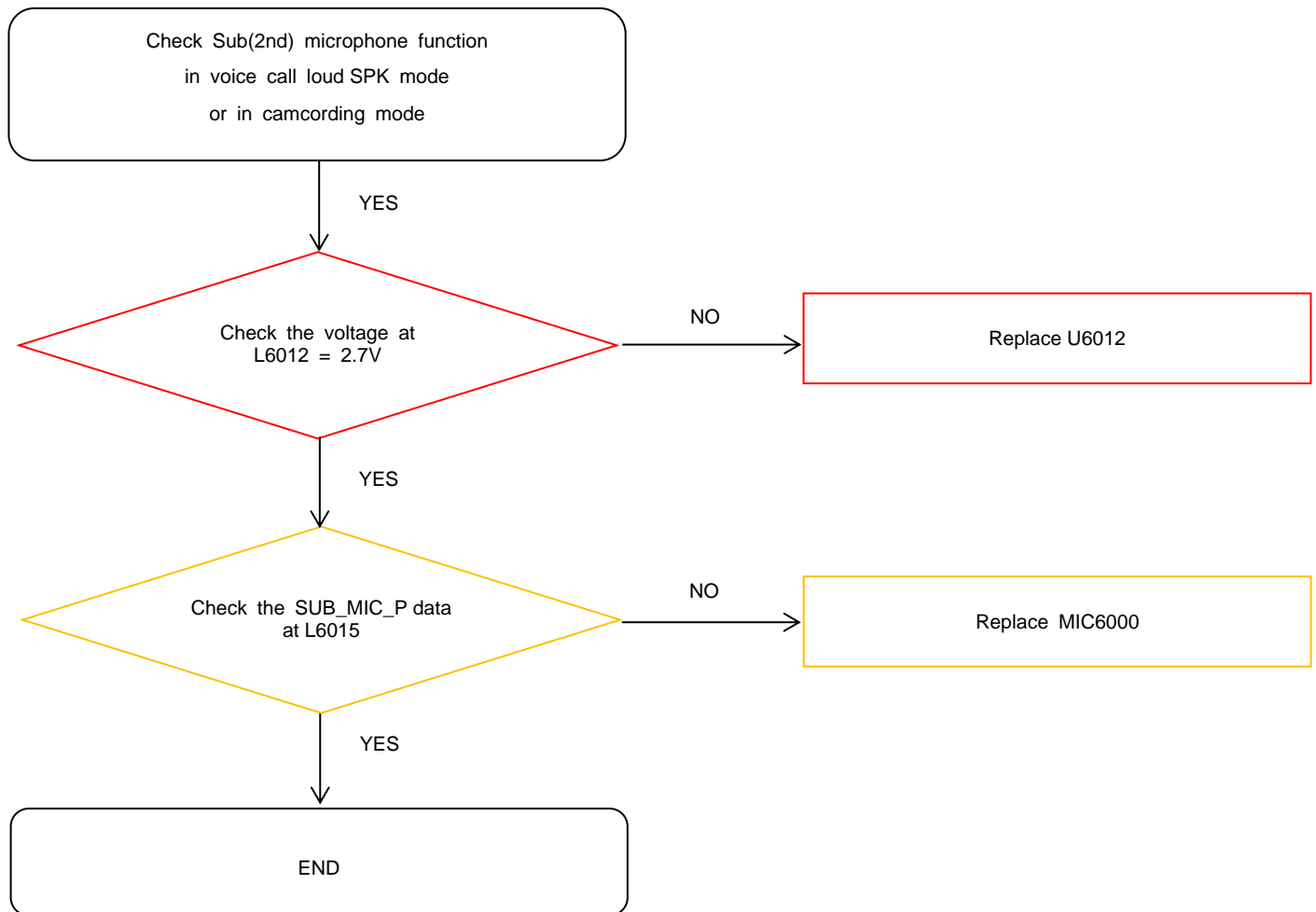
8. Level 3 Repair

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



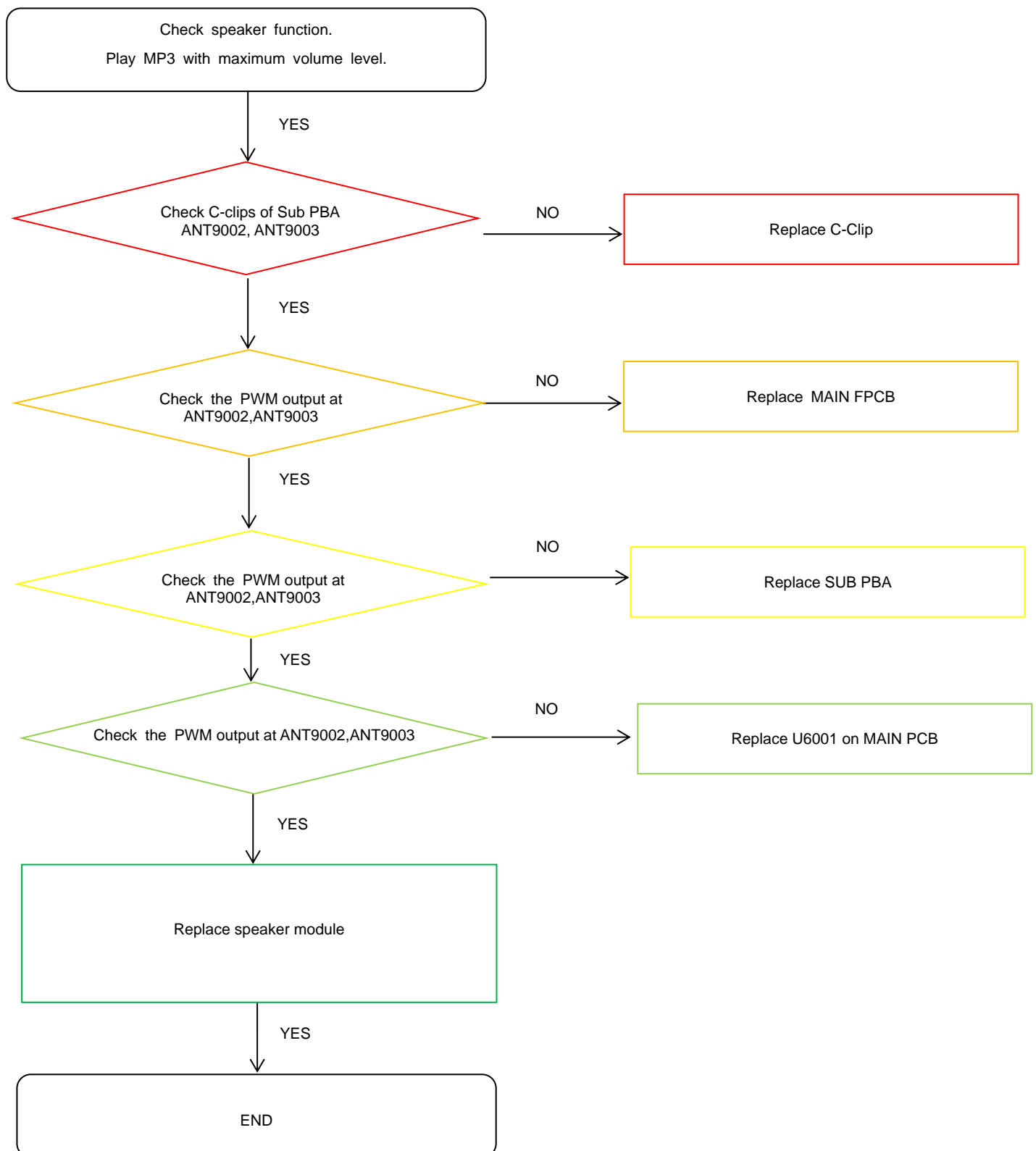
8. Level 3 Repair

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



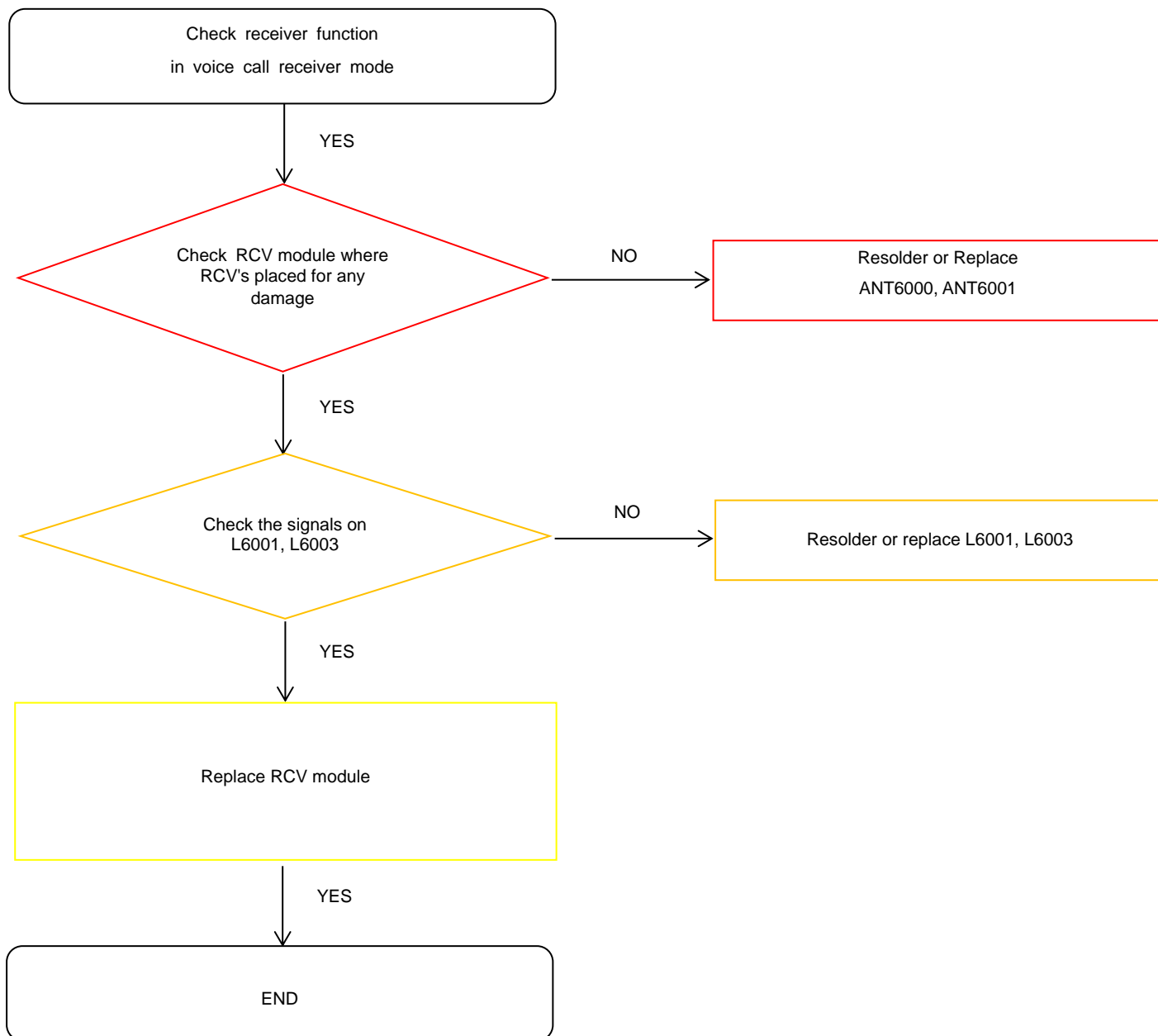
8. Level 3 Repair

8-4-10. Speaker Part



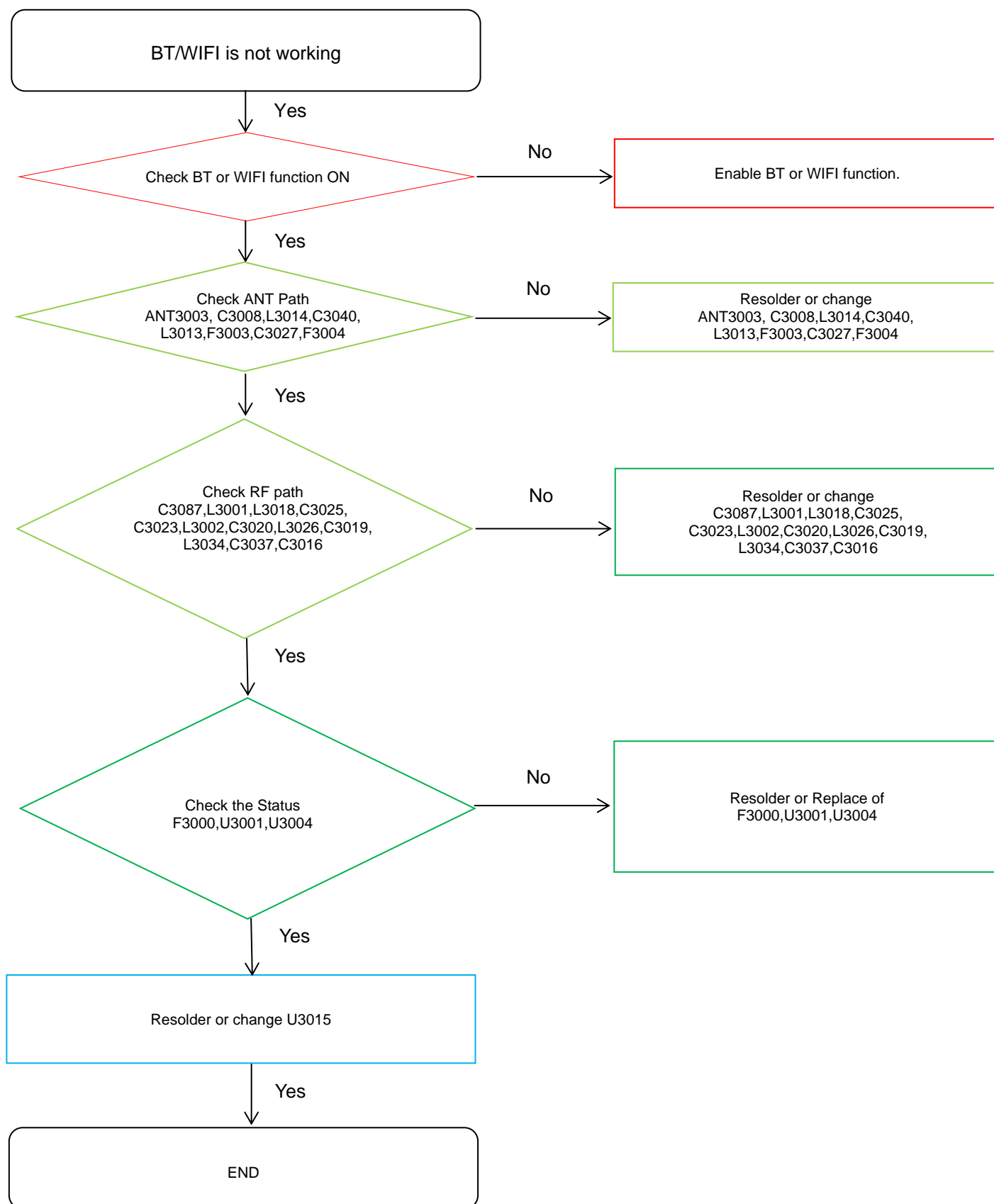
8. Level 3 Repair

8-4-11. Receiver Part



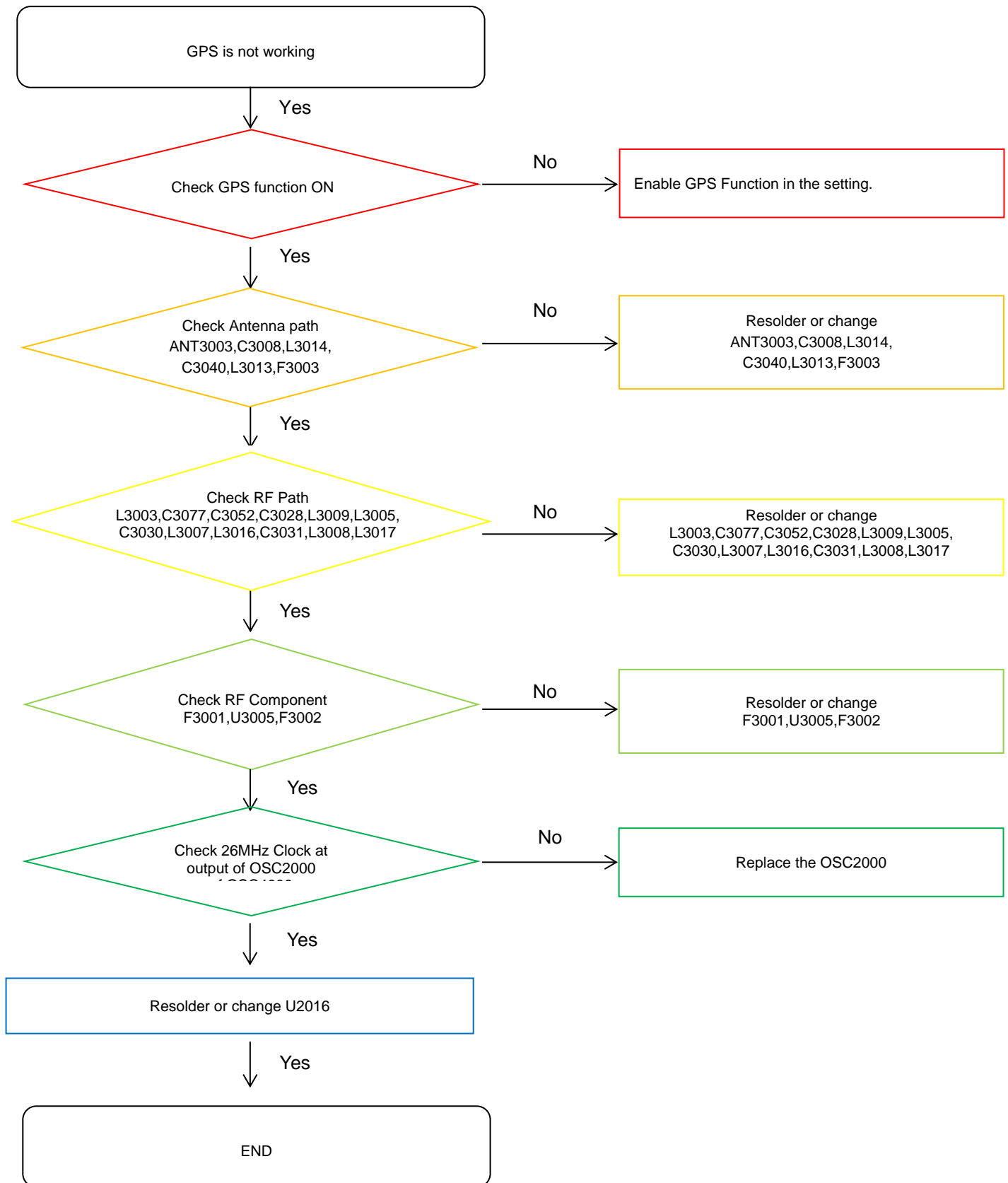
8. Level 3 Repair

8-4-12. BT/WIFI



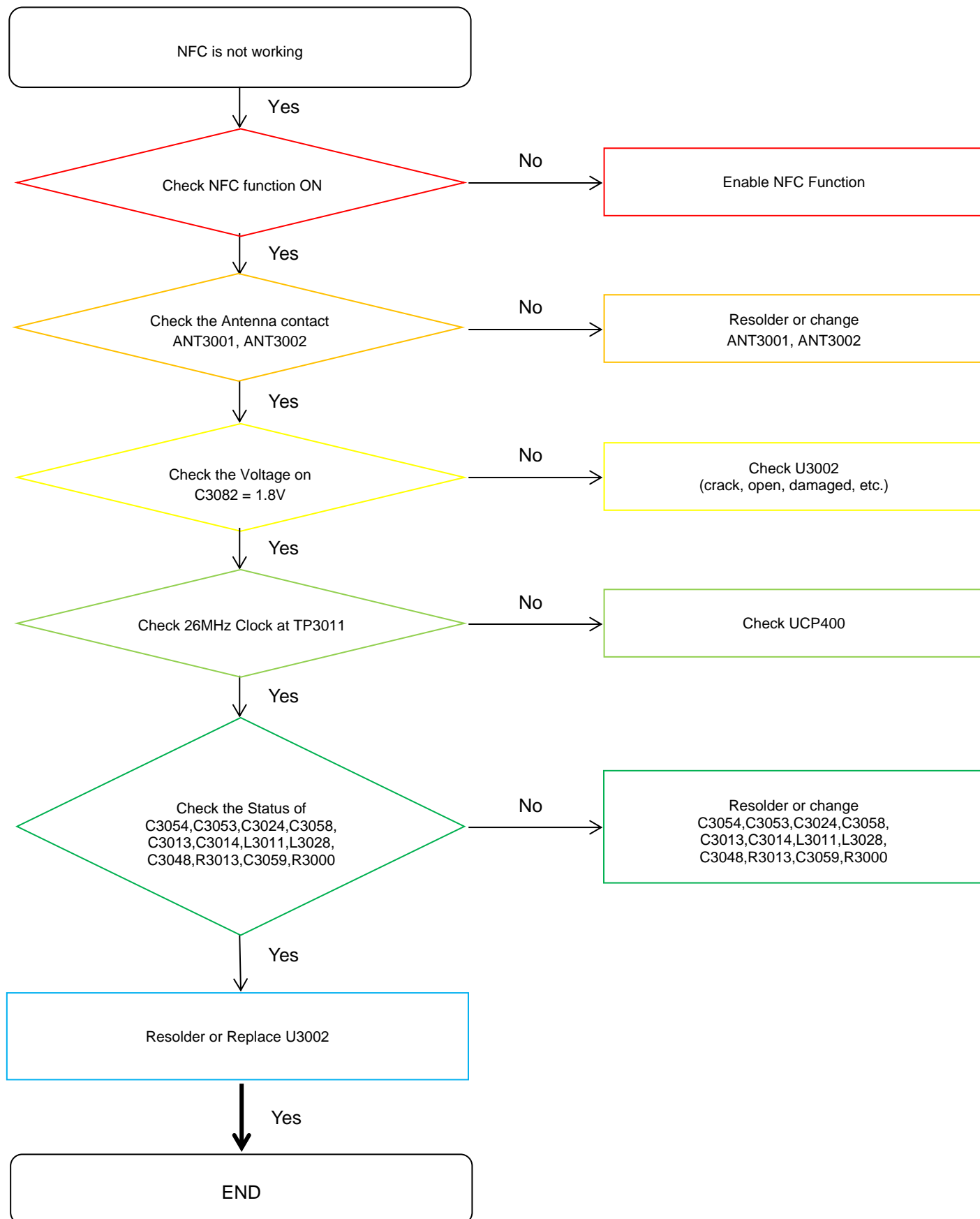
8. Level 3 Repair

8-4-13. GPS



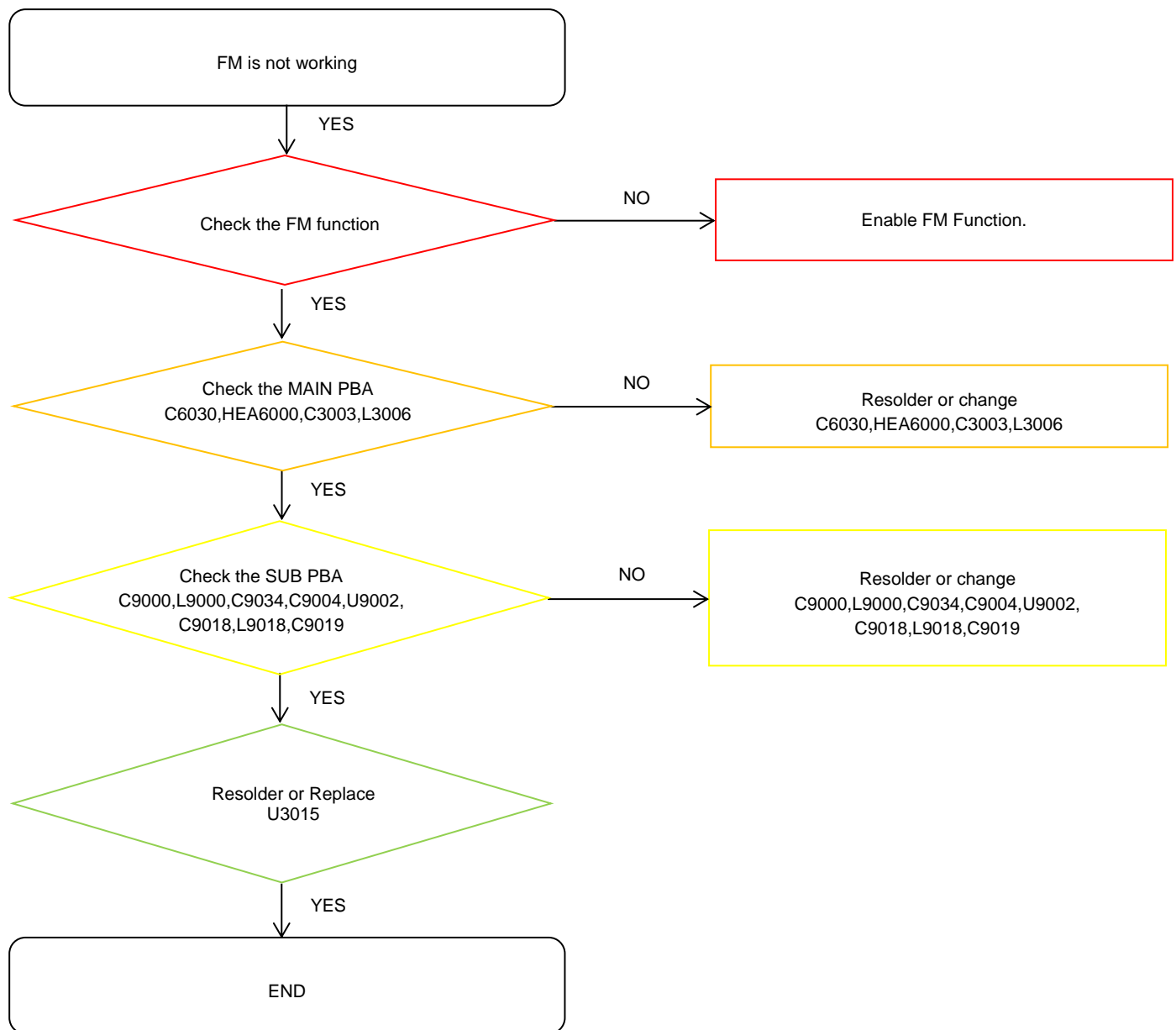
8. Level 3 Repair

8-4-14. NFC (SM-M315F DSN Only)



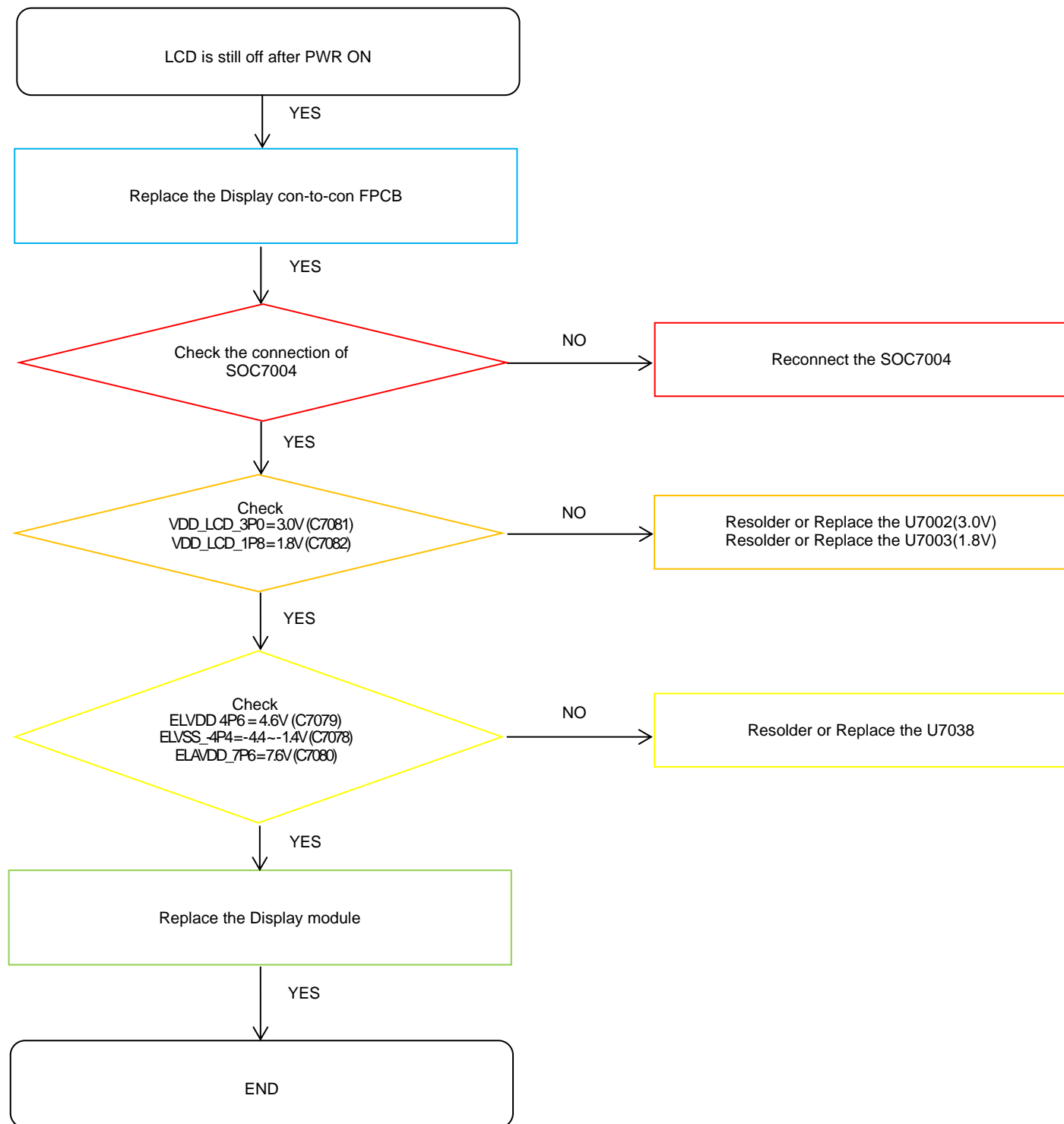
8. Level 3 Repair

8-4-15. FM radio part



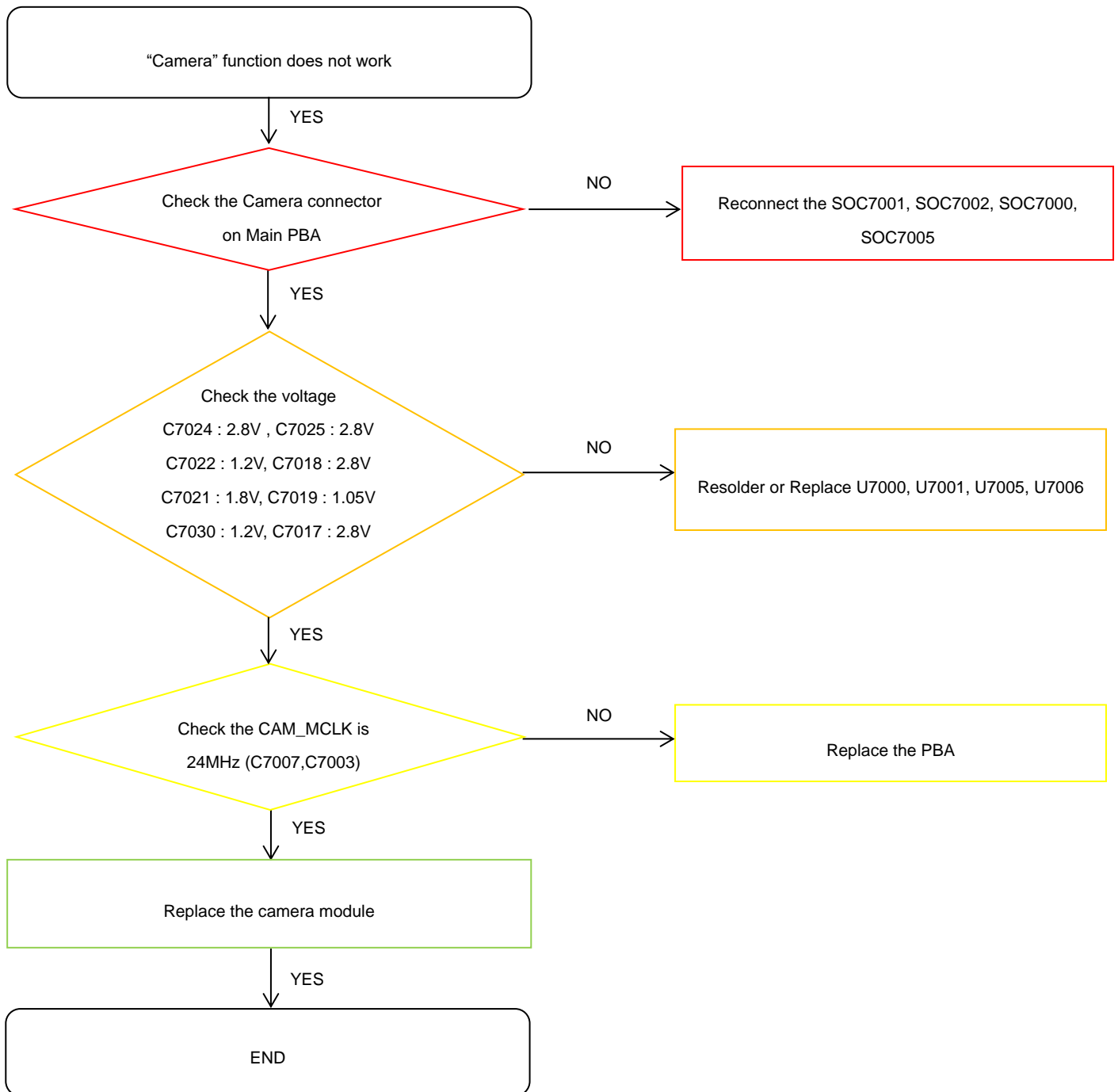
8. Level 3 Repair

8-4-16. Display



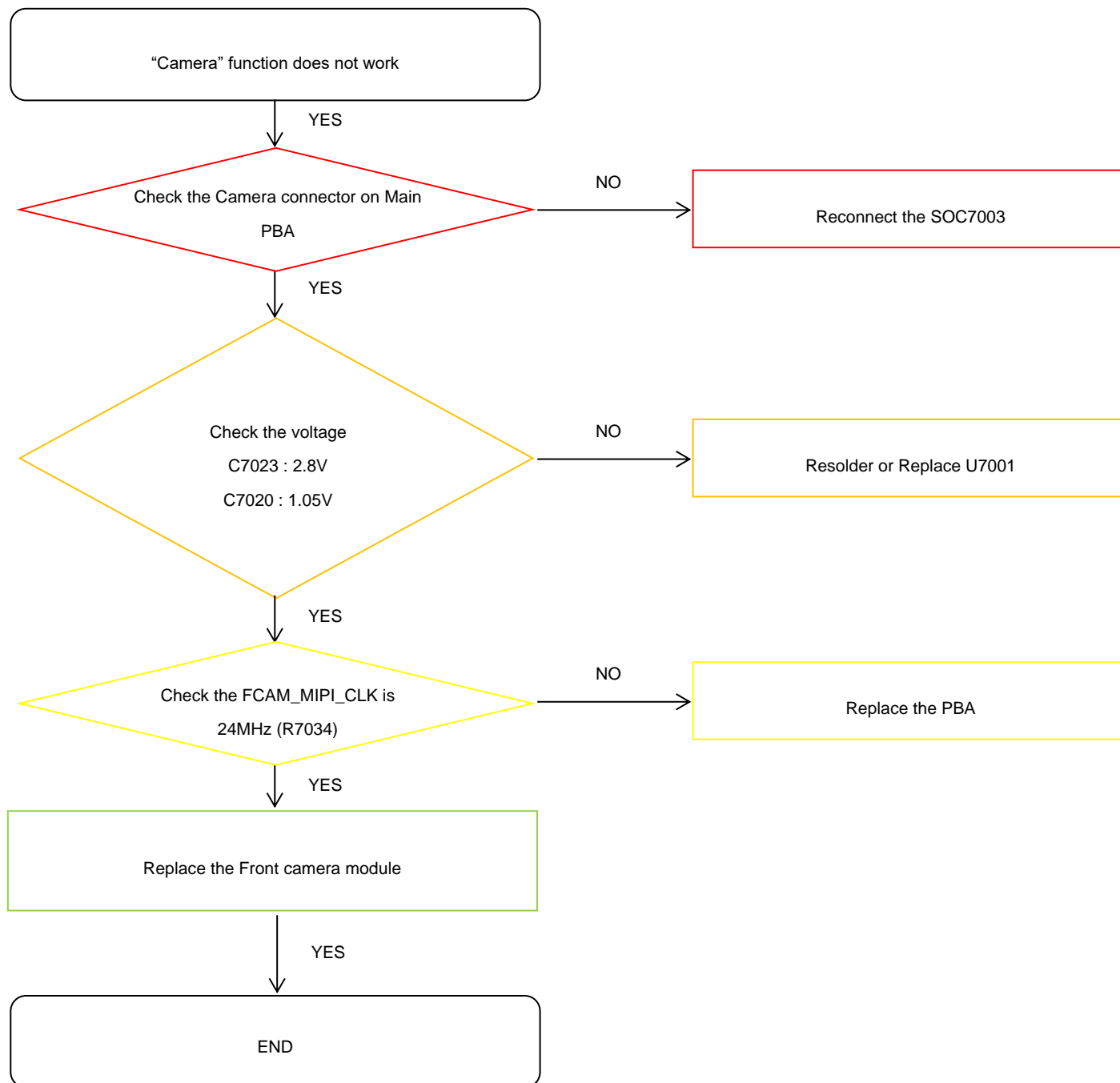
8. Level 3 Repair

8-4-17. Quad Camera



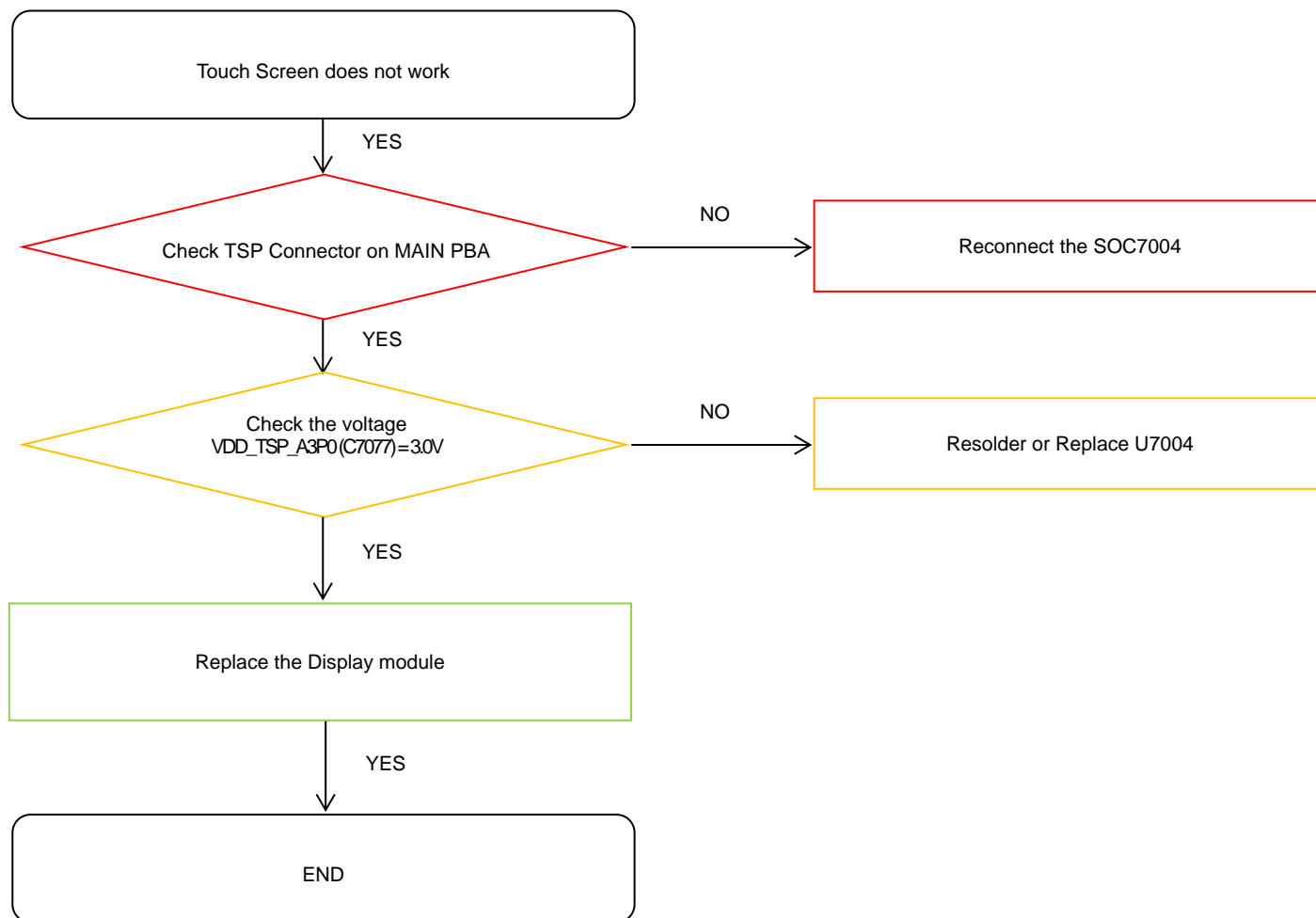
8. Level 3 Repair

8-4-18. FRONT CAMERA



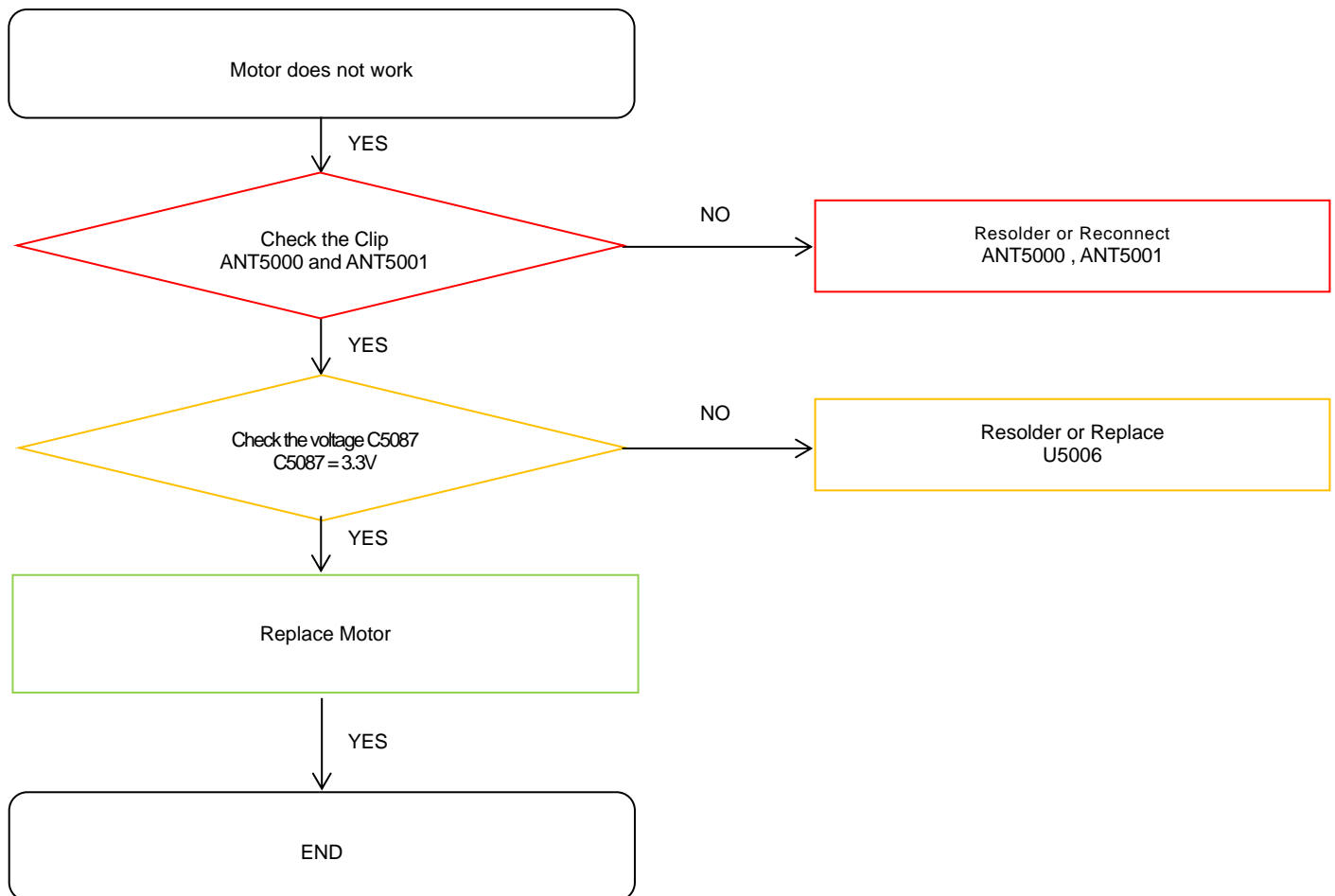
8. Level 3 Repair

8-4-19. TSP



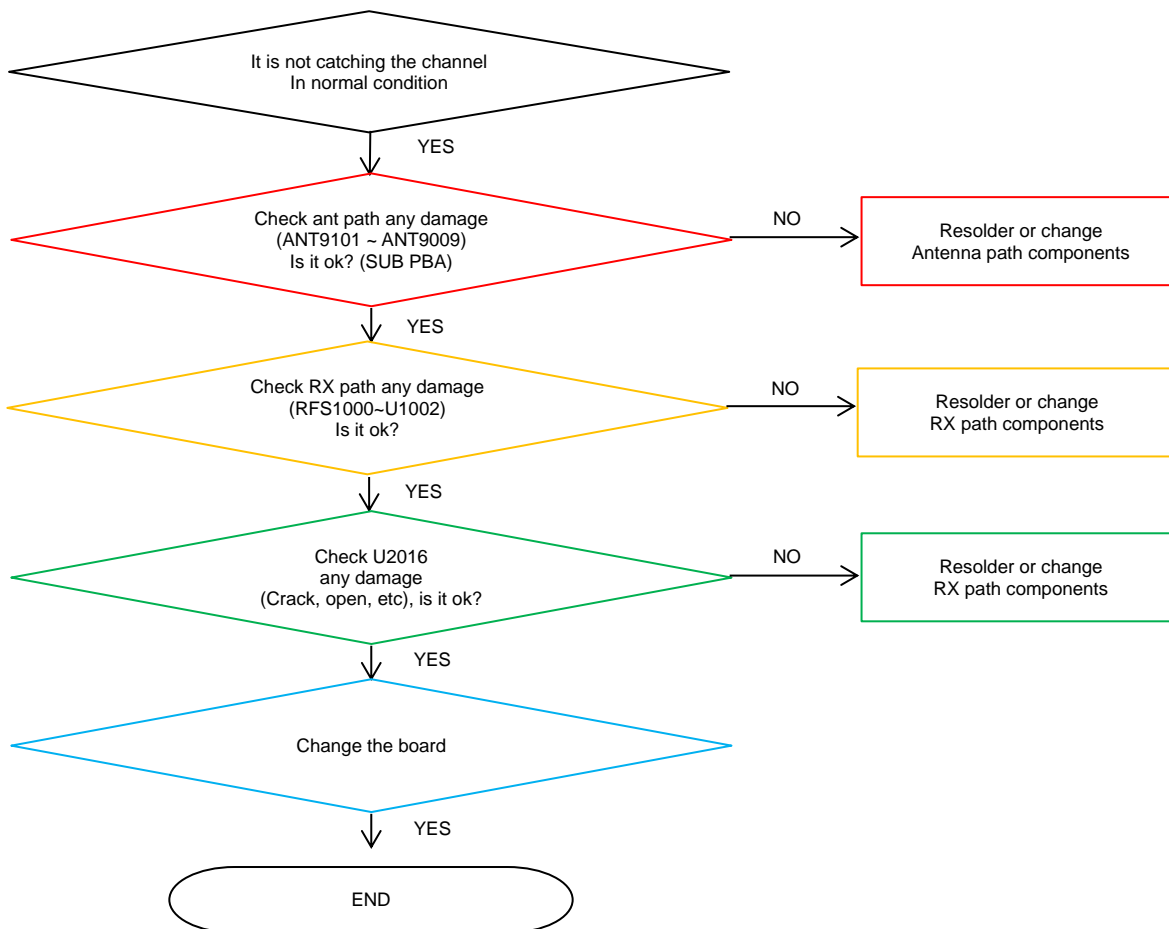
8. Level 3 Repair

8-4-20. Motor



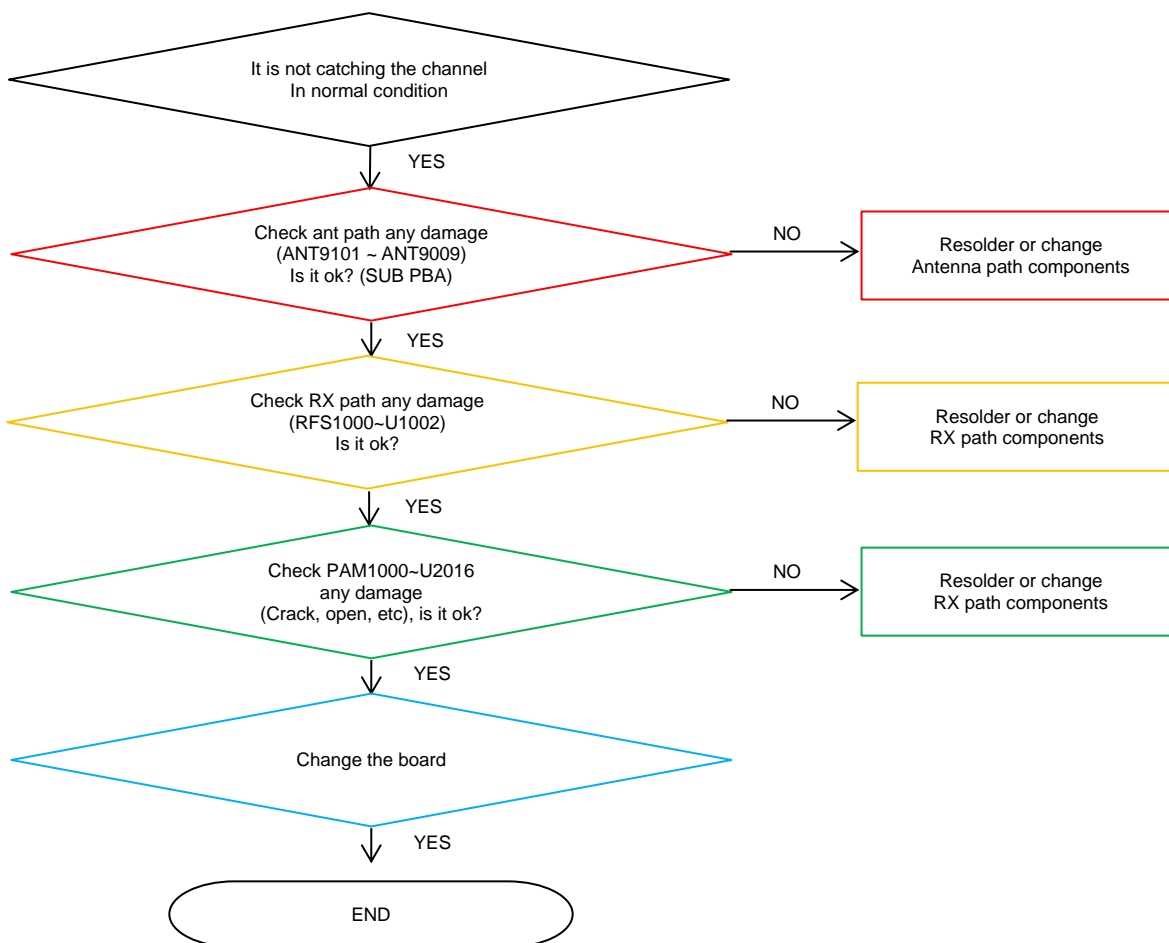
8. Level 3 Repair

8-4-21. GSM 850/900/DCS/PCS, WCDMA B2/3/5/8, LTE 2/3/4/5/8/20/26/66 PRx



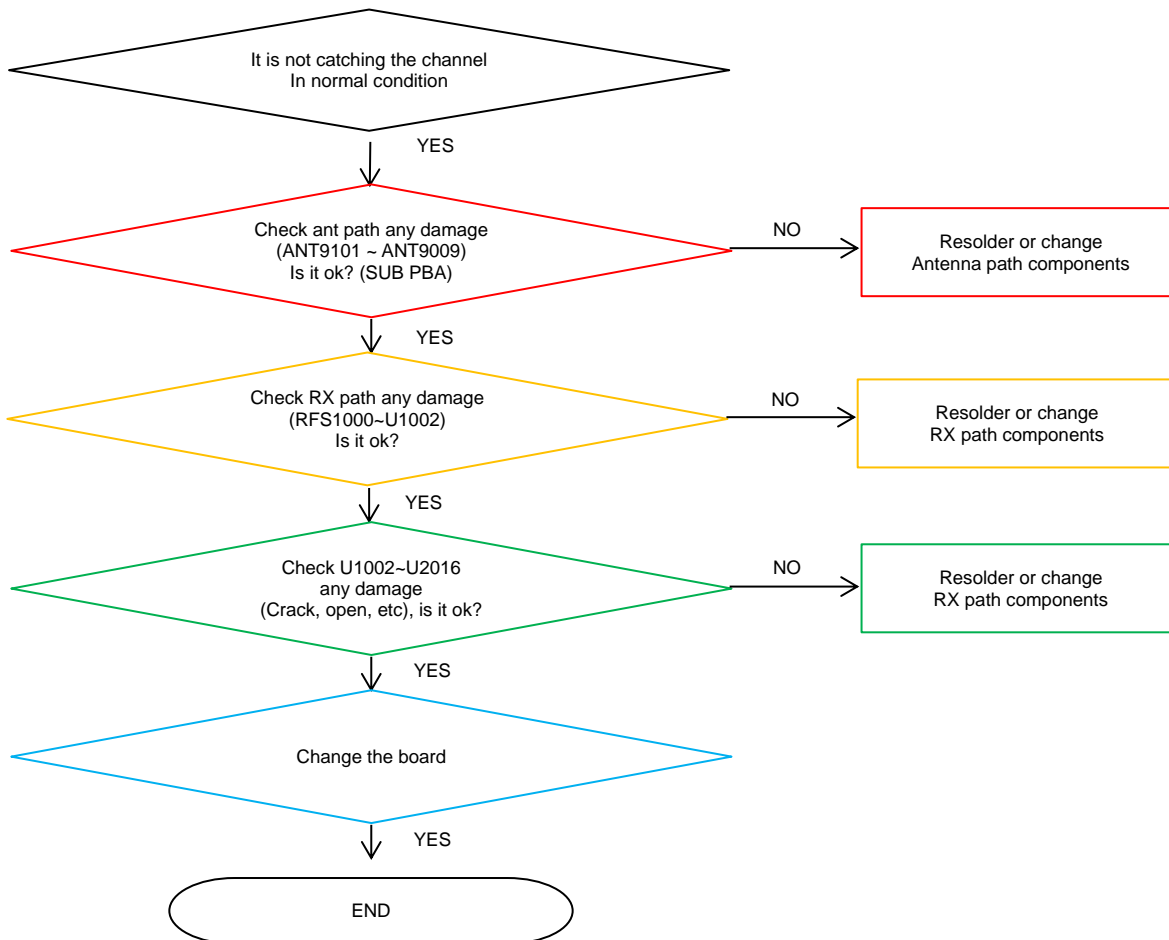
8. Level 3 Repair

8-4-22. LTE 38/40/41 PRx



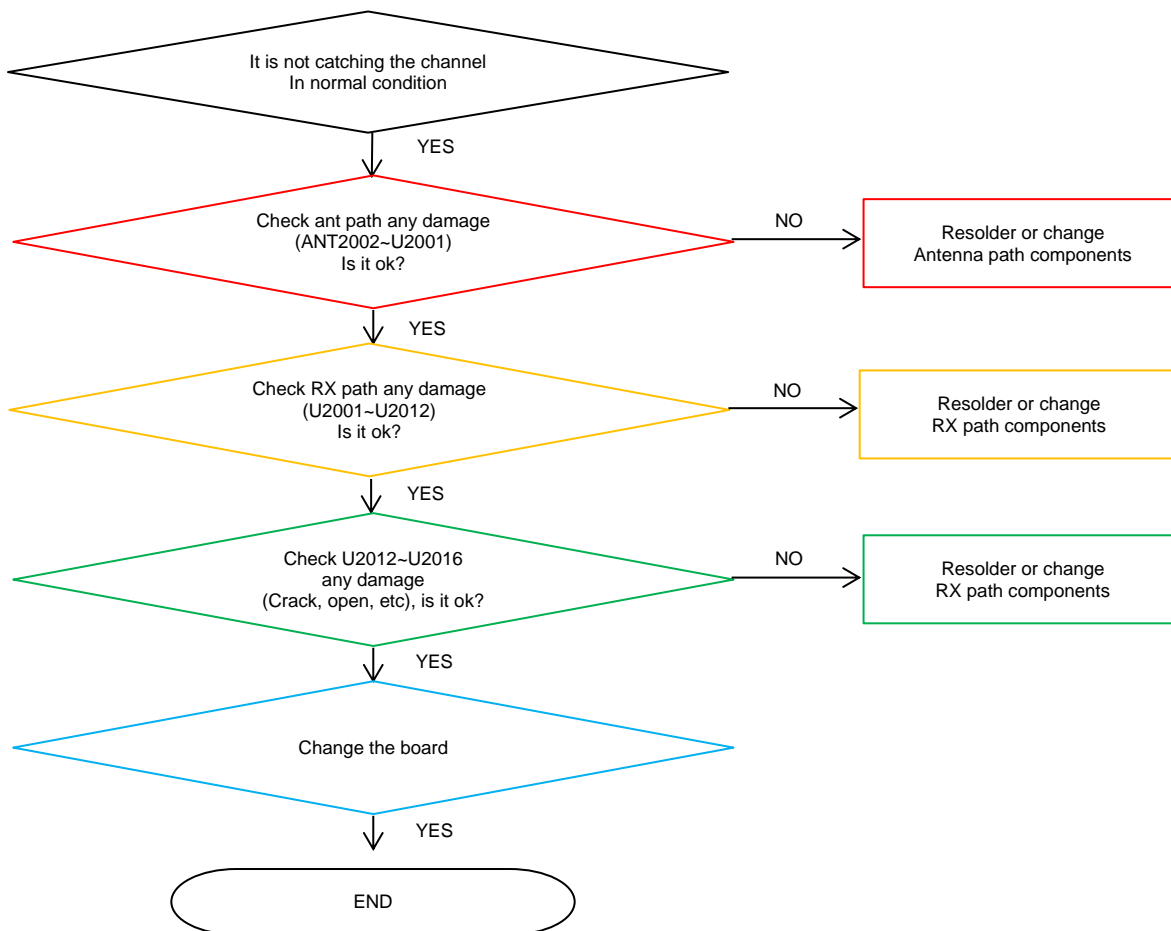
8. Level 3 Repair

8-4-23. WCDMA B1, LTE B1/7/12/13/17/28 PRx



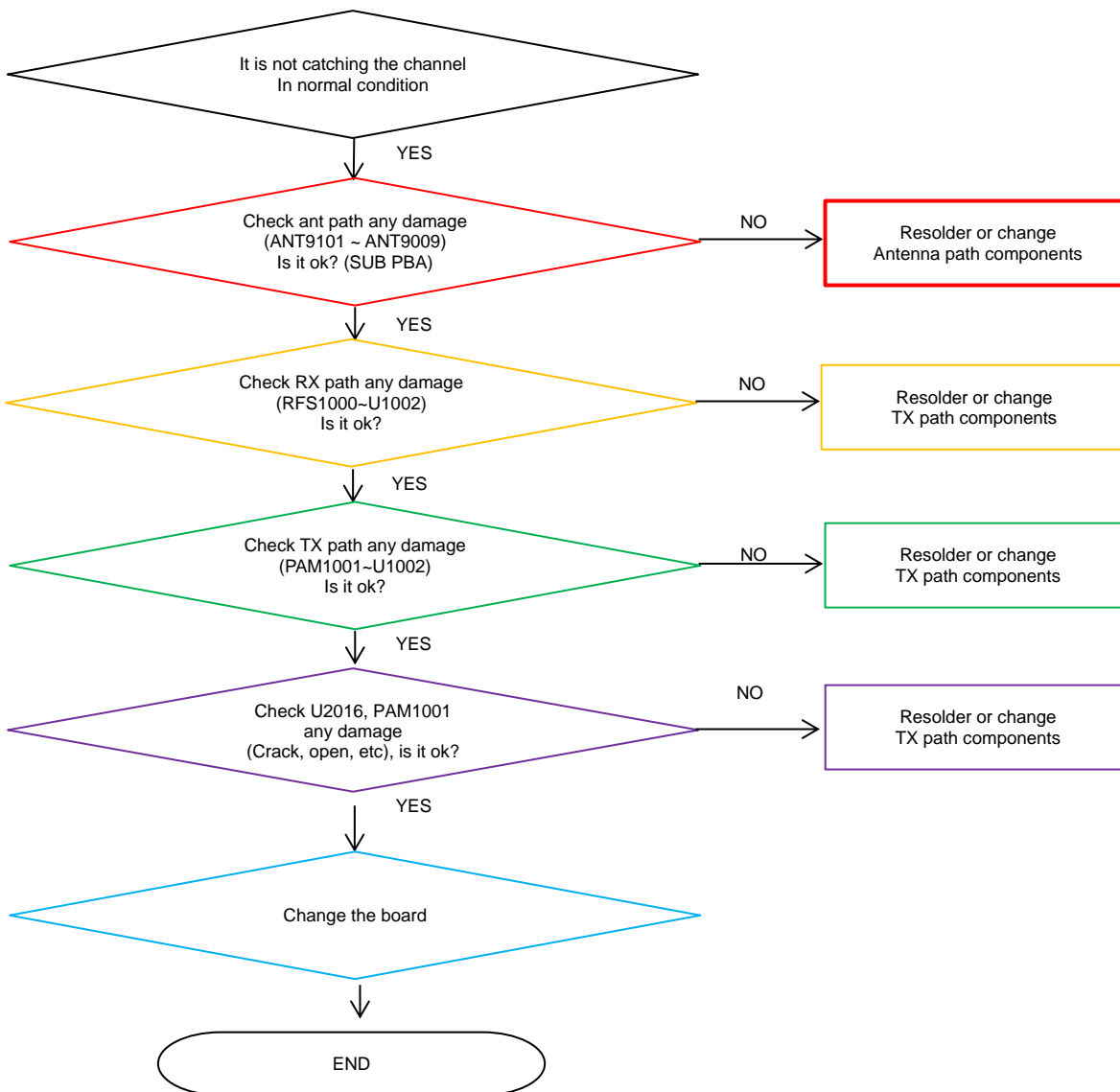
8. Level 3 Repair

8-4-24. WCDMA B1/2/4/5/8, LTE B1/2/3/4/5/7/8/13/17/20/28/38/40/41 DRx



8. Level 3 Repair

8-4-25. GSM 850/900/DCS/PCS, WCDMA B1/2/4/5/8, LTE B1/2/3/4/5/8/12/13/17/20/28 Tx



8. Level 3 Repair

8-4-26. LTE B7/38/40/41 Tx

