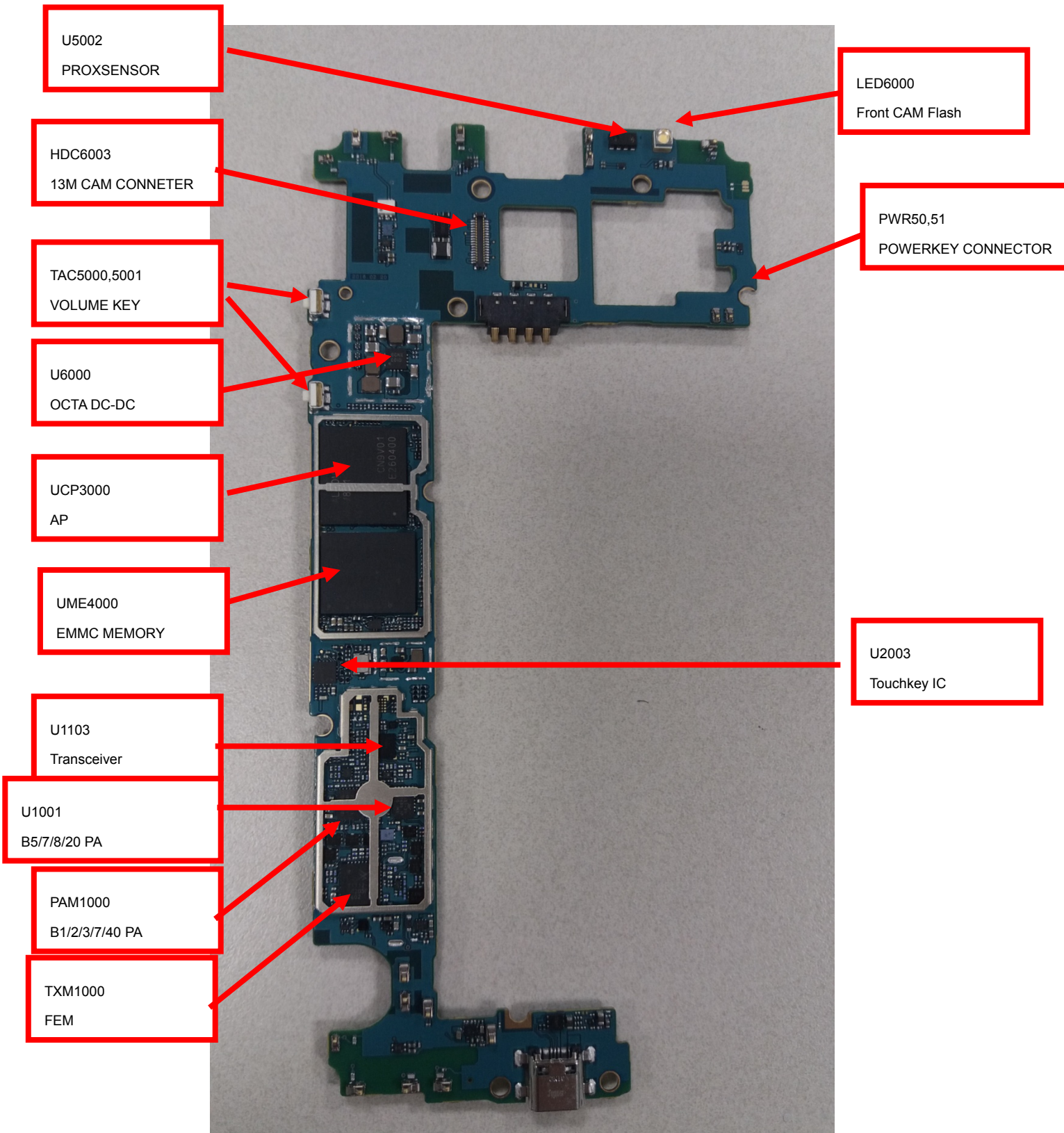
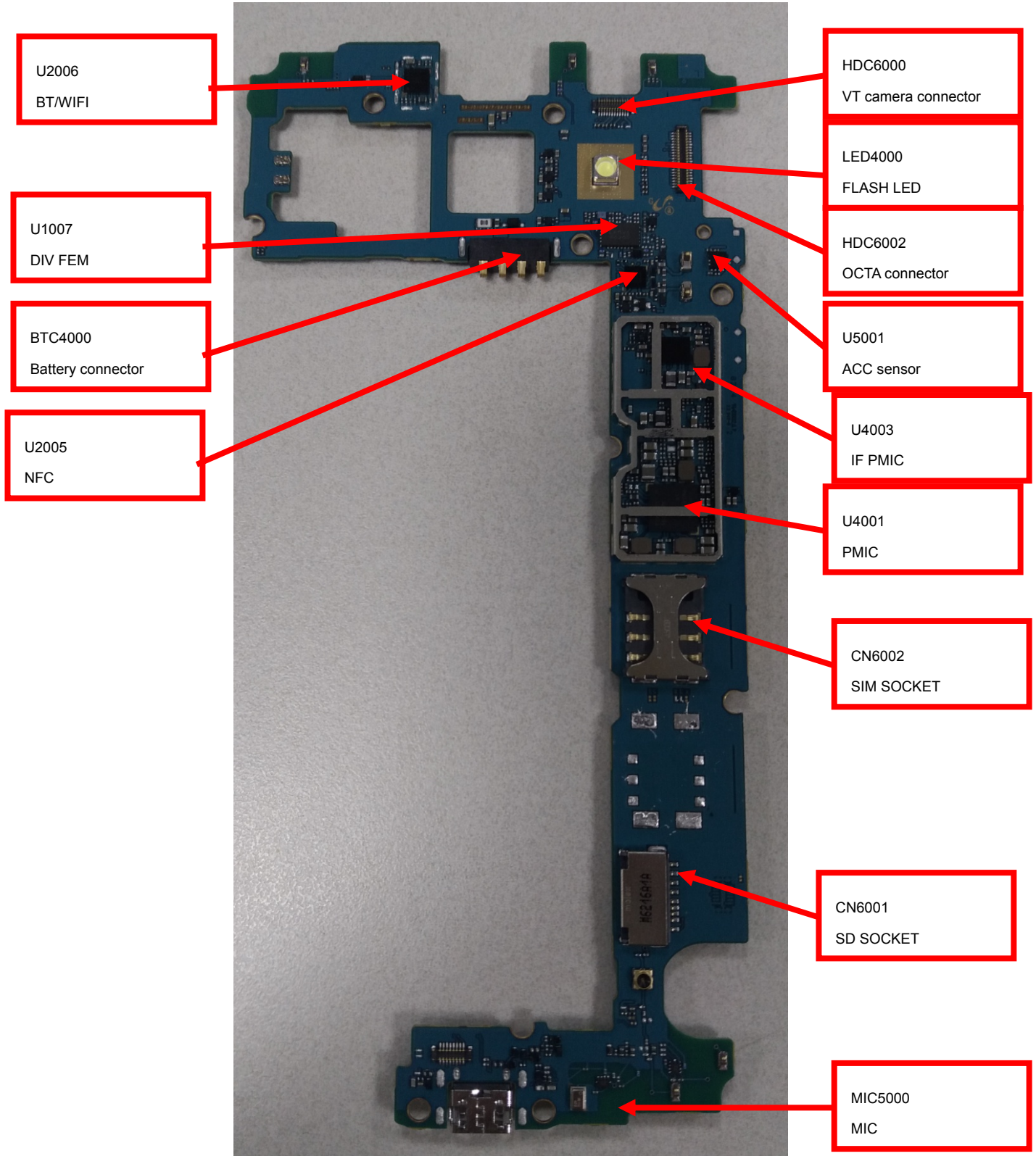


8. Level 3 Repair

8-1. Components Layout

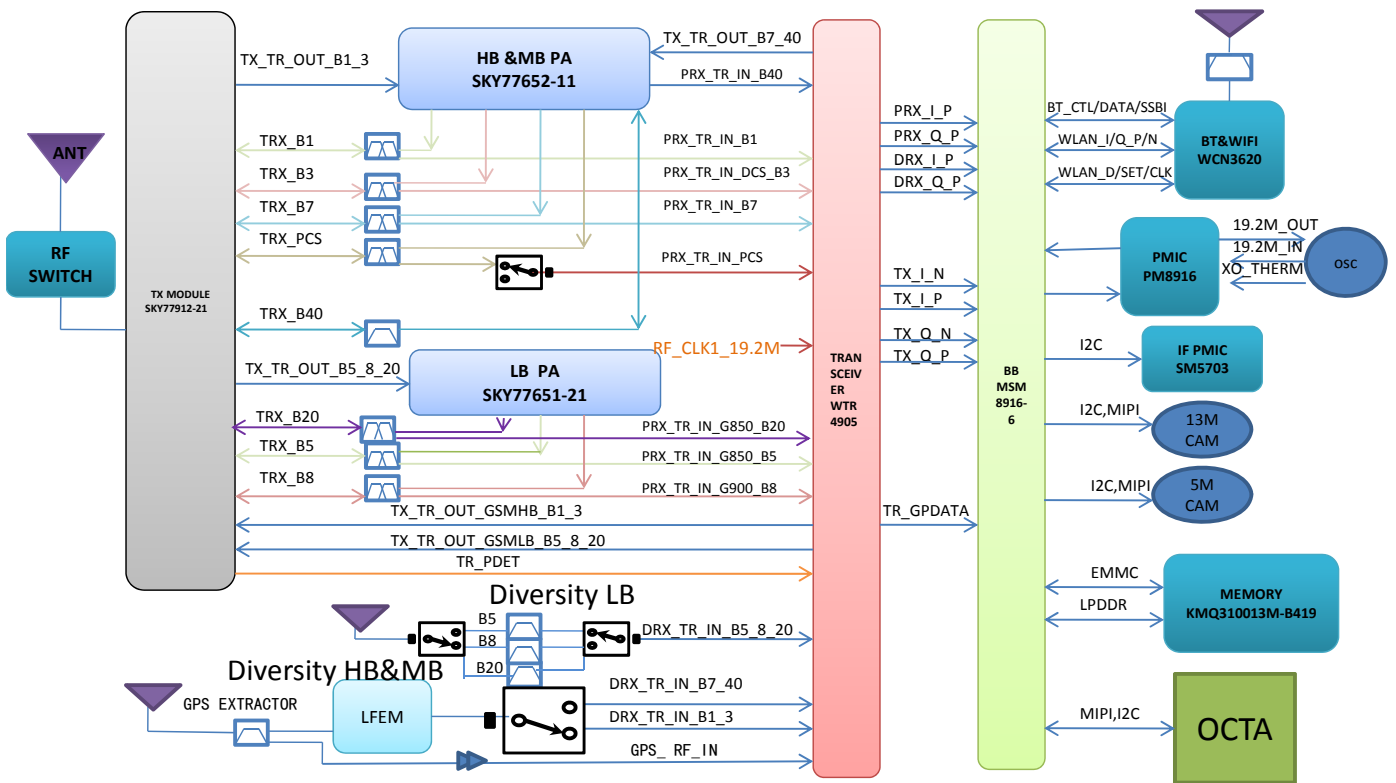


8. Level 3 Repair

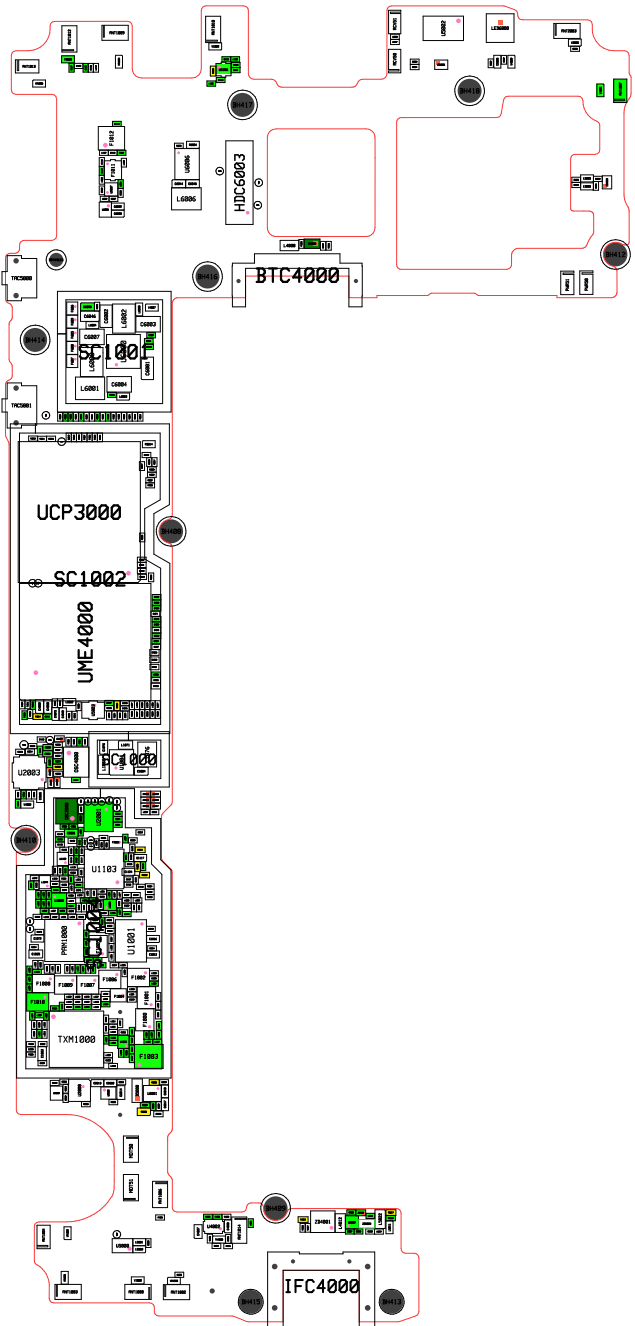


8. Level 3 Repair

8-2. Block Diagram



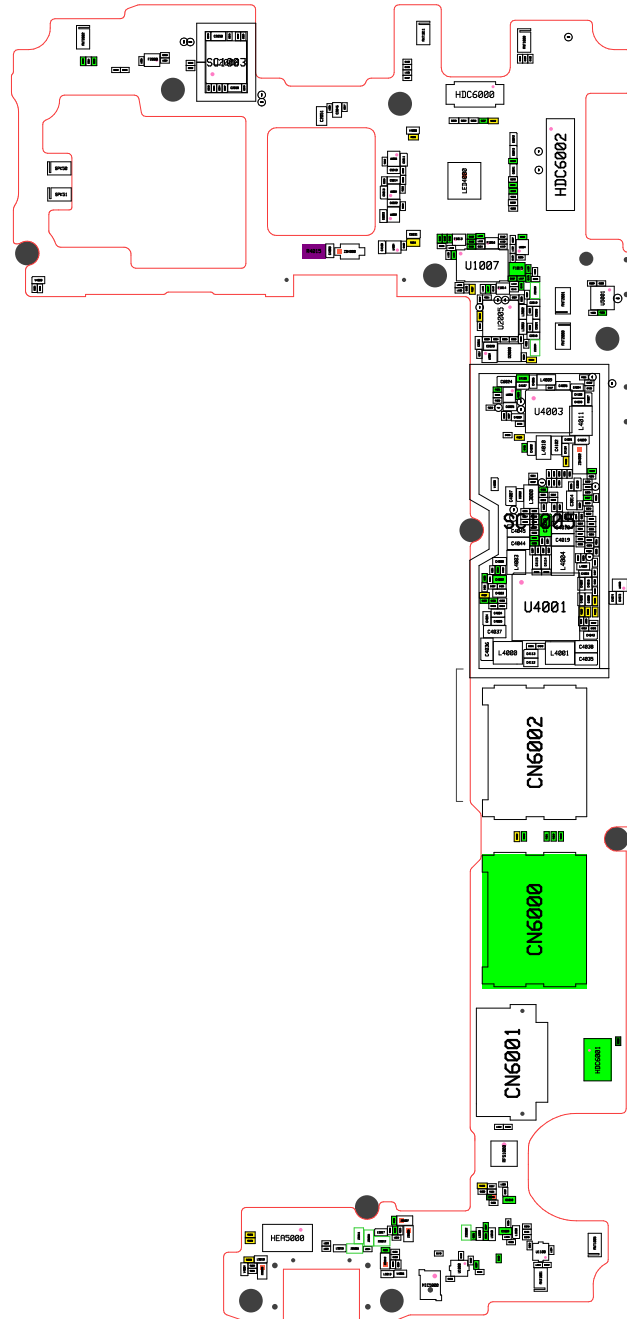
8. Level 3 Repair



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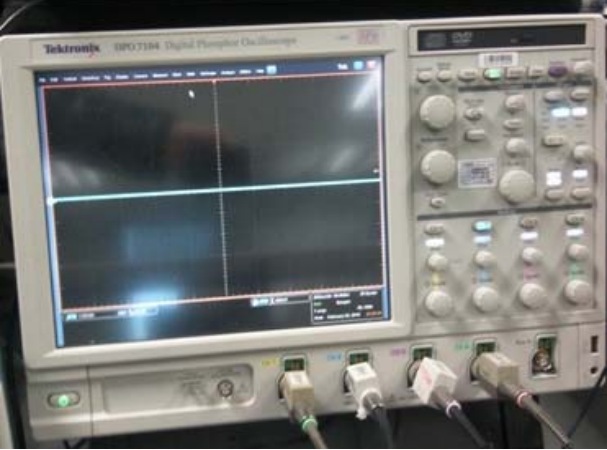



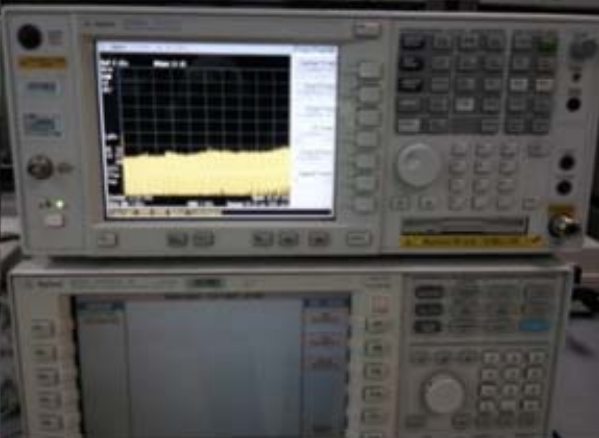

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8. Level 3 Repair



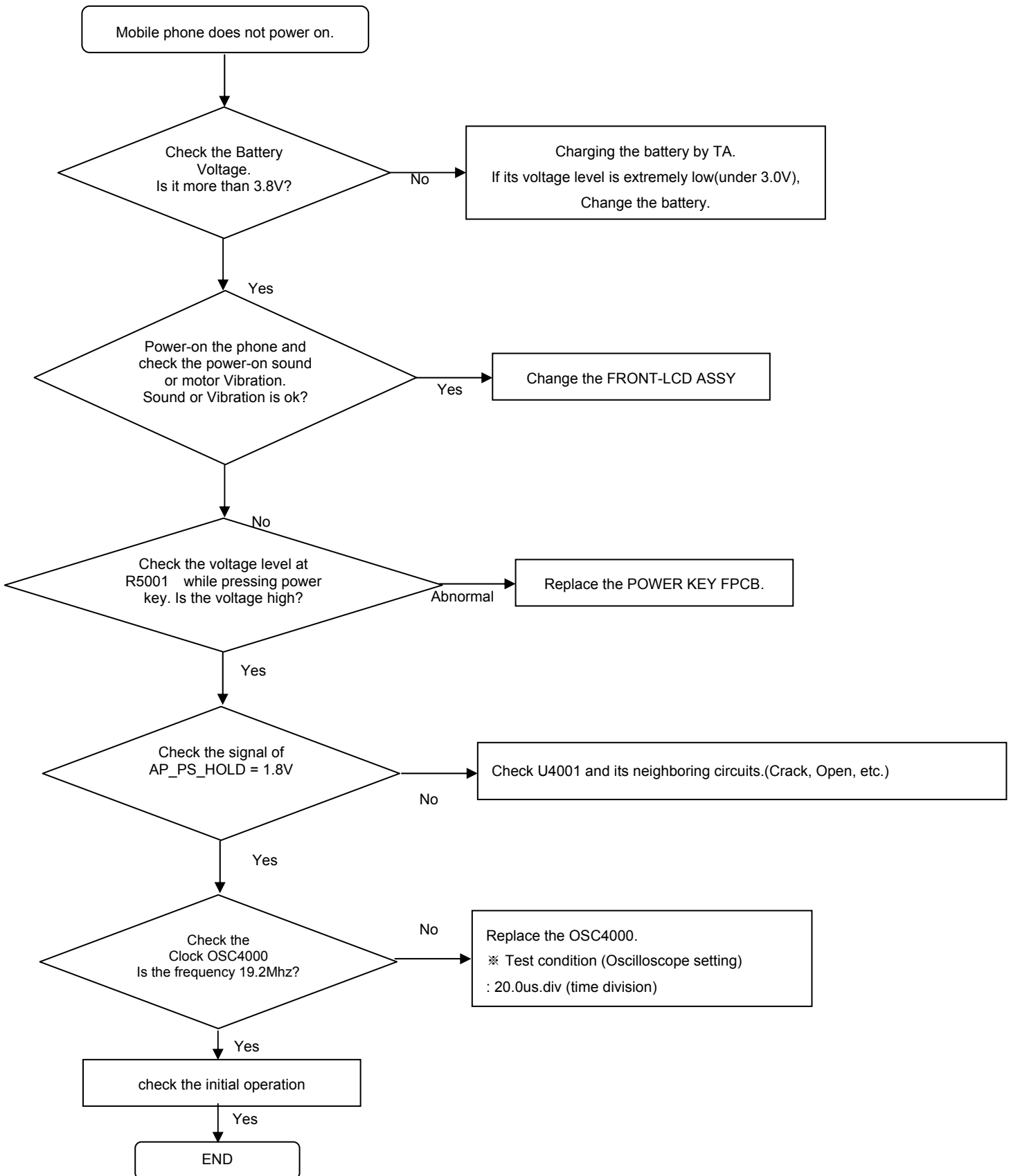
8. Level 3 Repair

8-3. Flow Chart of Troubleshooting

| | |
|---|--|
|  |  |
| Oscilloscope | Digital Multimeter |
|  |  |
| Power Supply | + driver, ESD Safe Tweezer |
|  |  |
| 8960 & Spectrum Analyzer | Soldering iron |

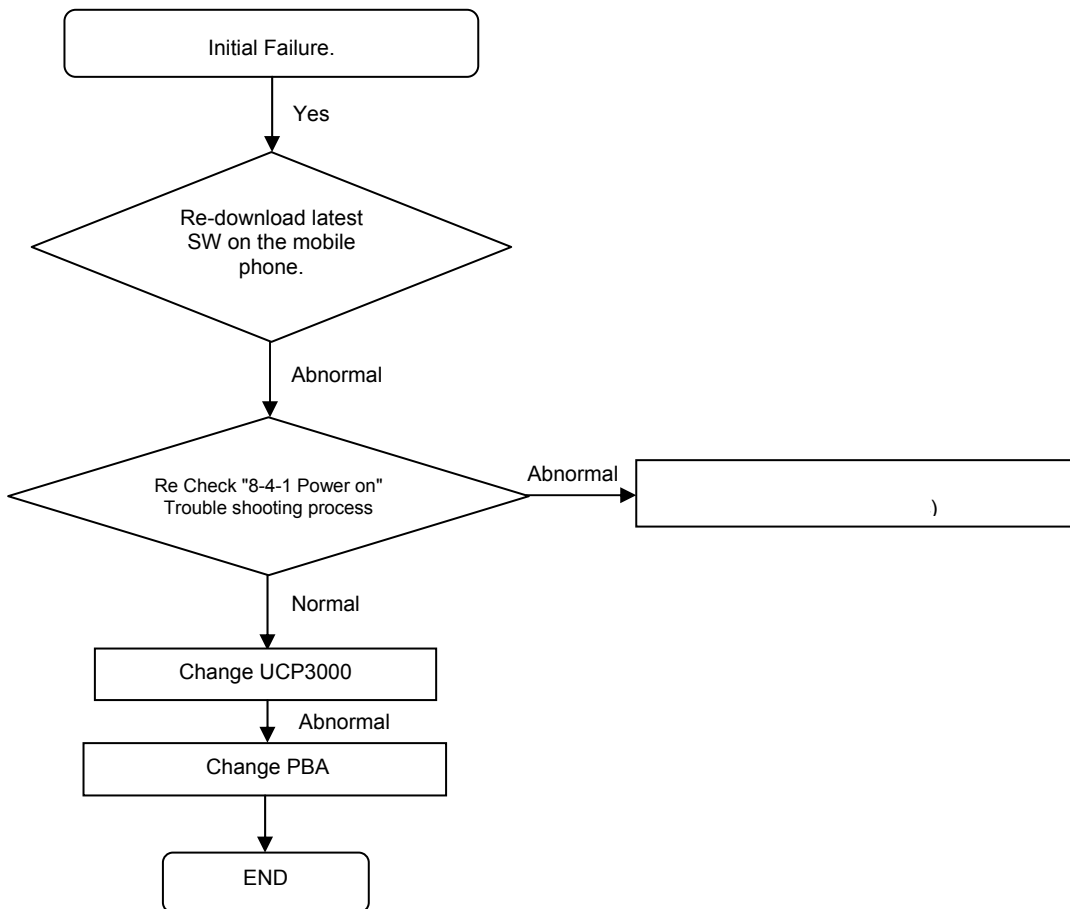
8. Level 3 Repair

8-4-1. Power On



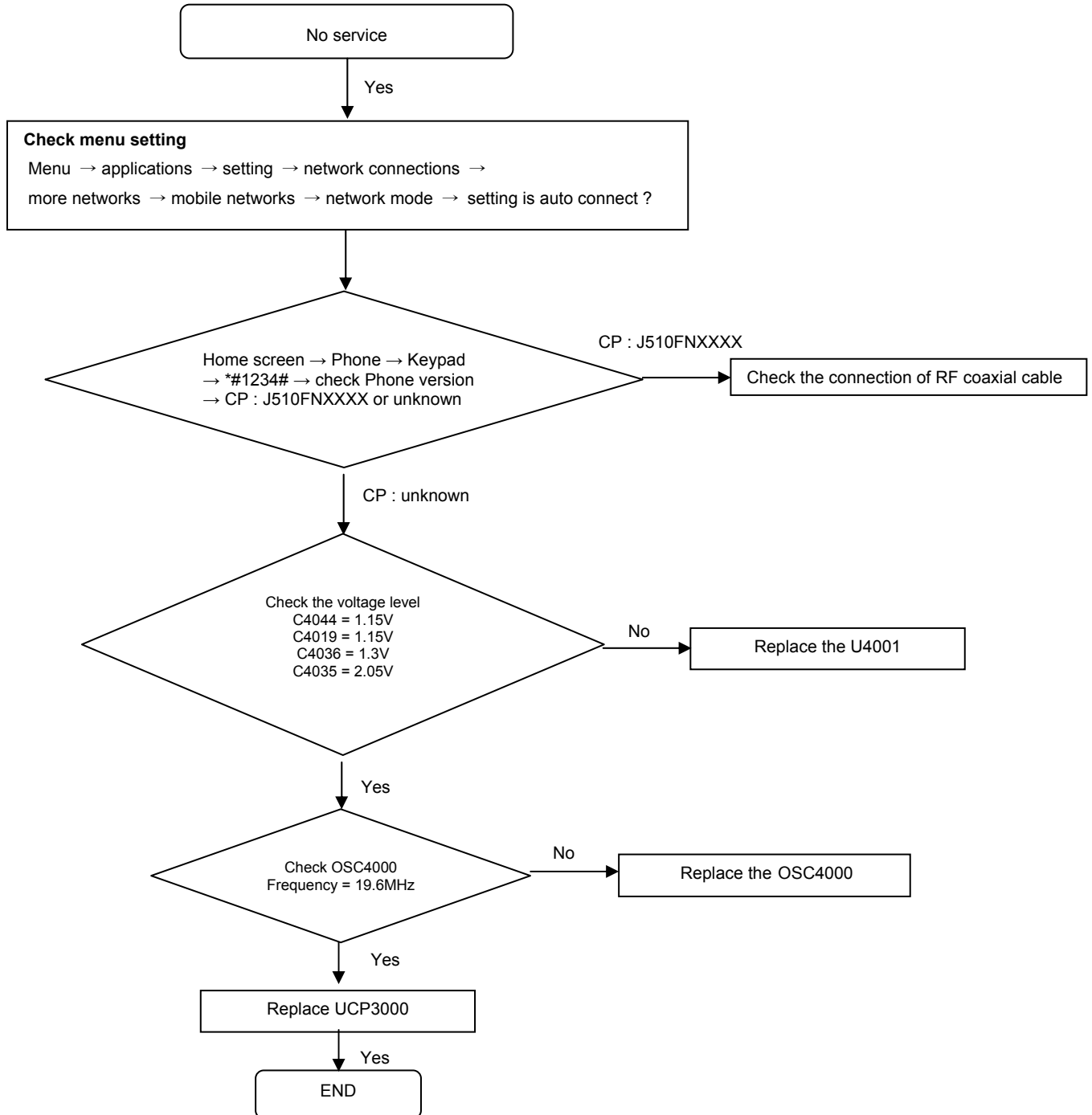
8. Level 3 Repair

8-4-2. Initial



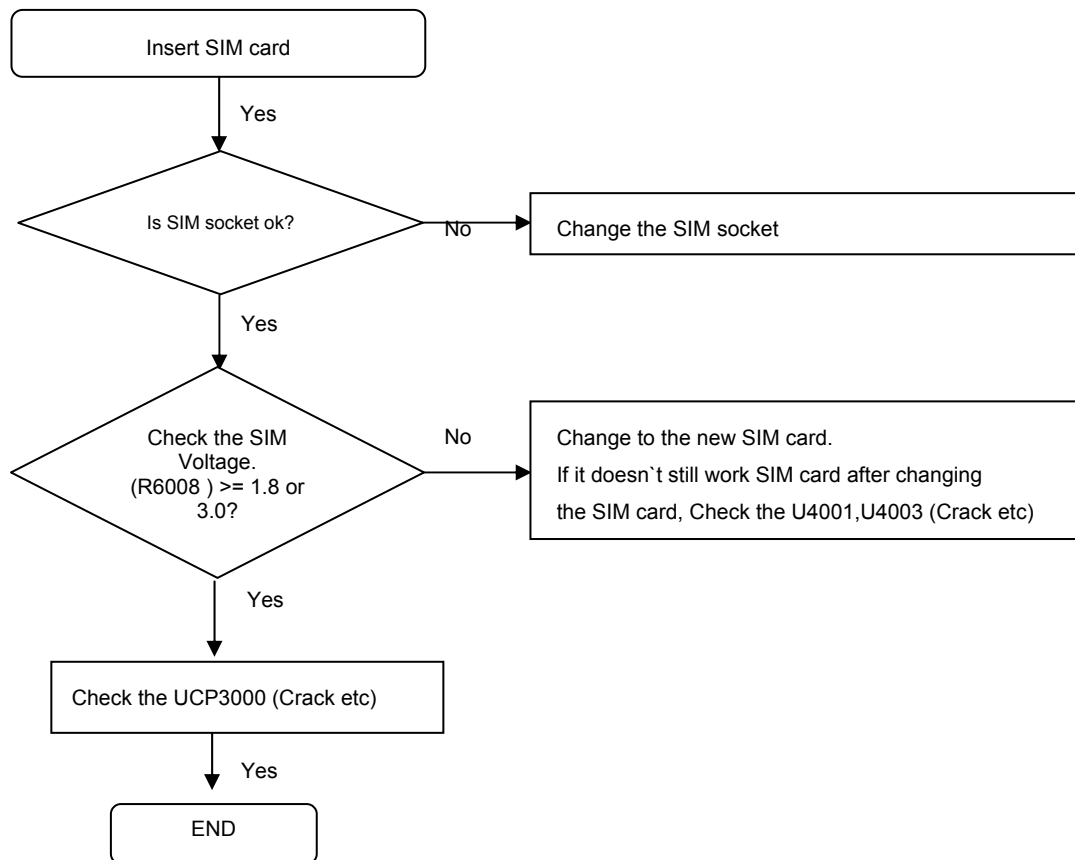
8. Level 3 Repair

8-4-3. No Service



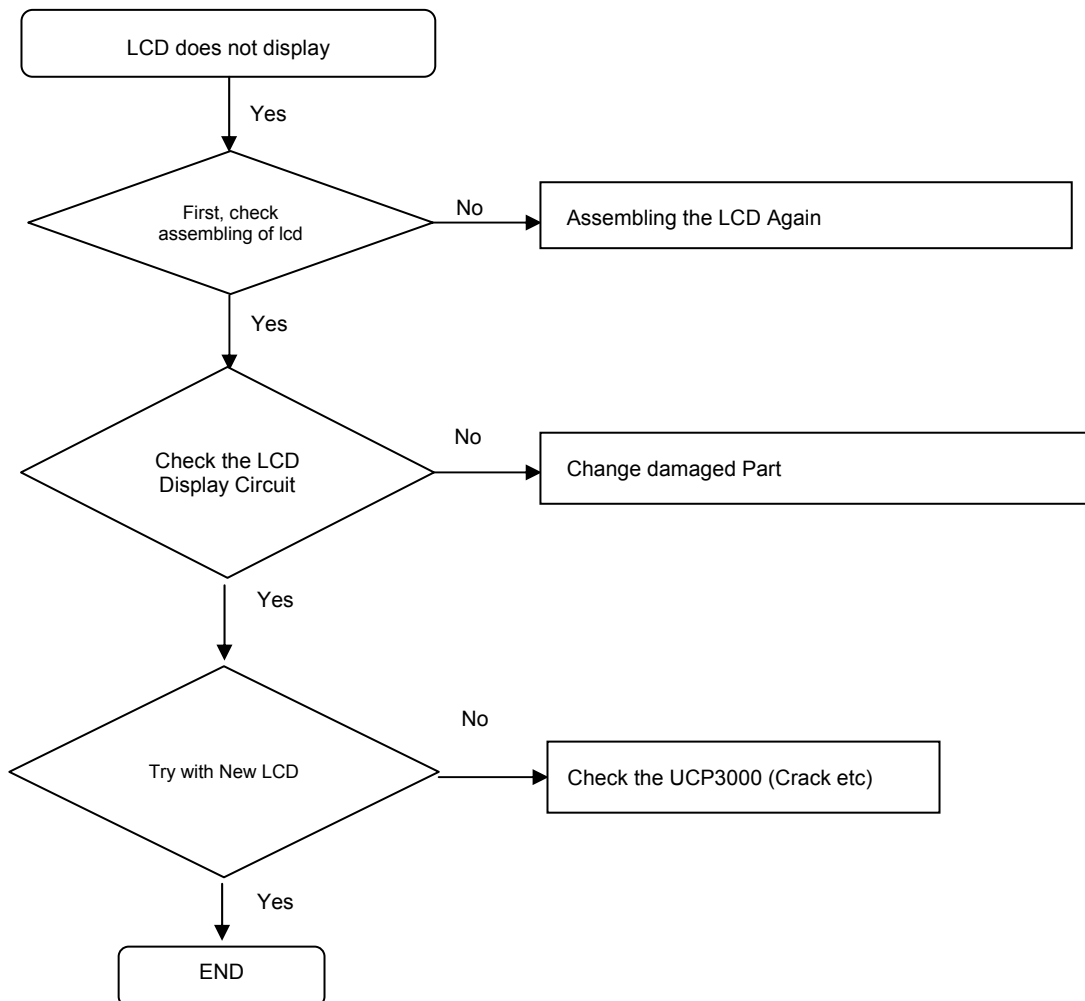
8. Level 3 Repair

8-4-4. SIM Part



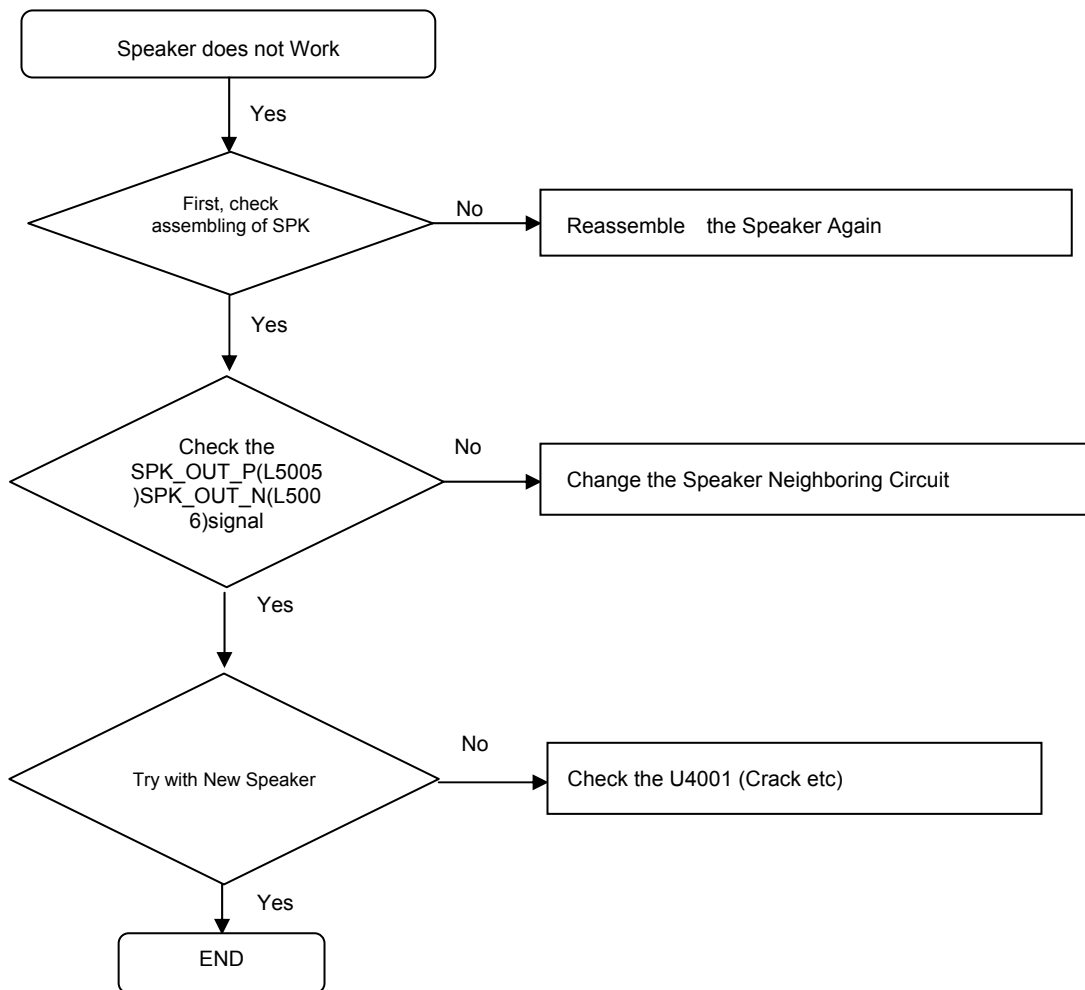
8. Level 3 Repair

8-4-5. LCD Part



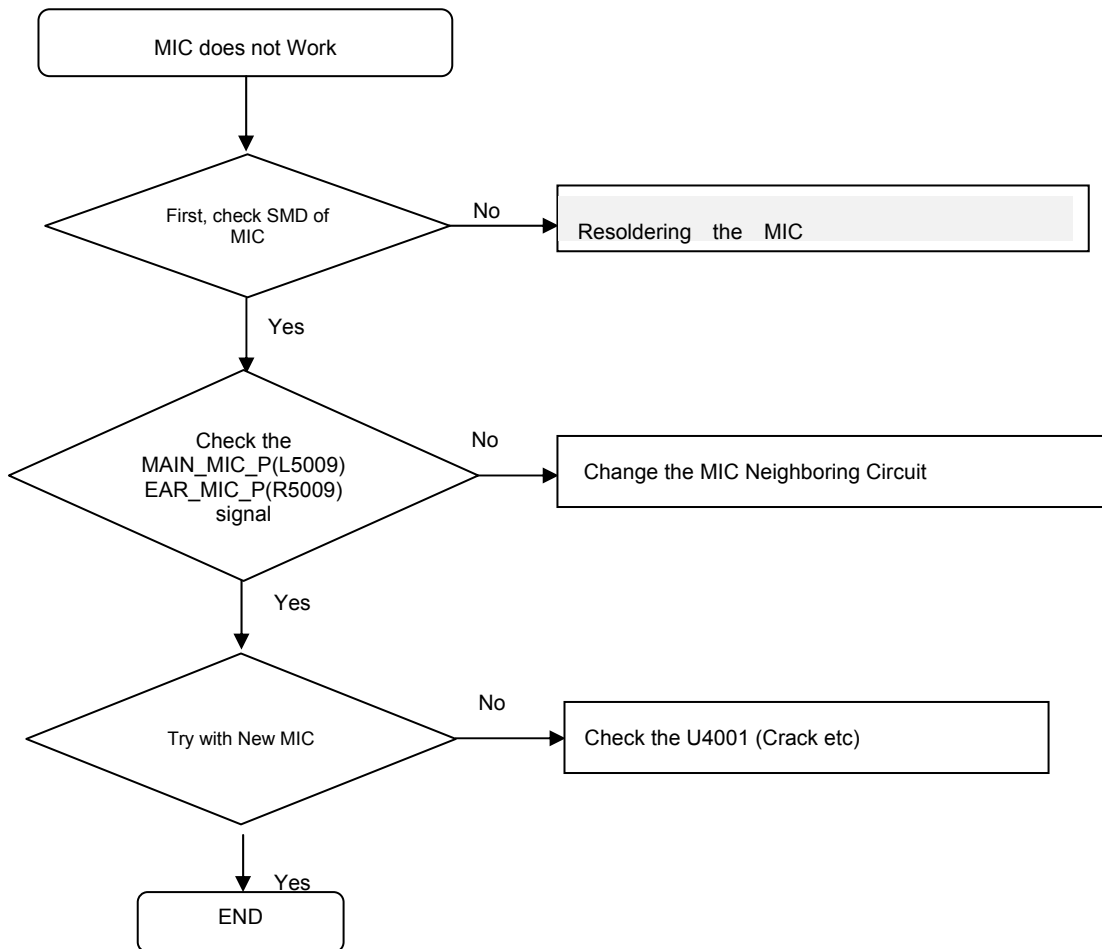
8. Level 3 Repair

8-4-6. SPK Part



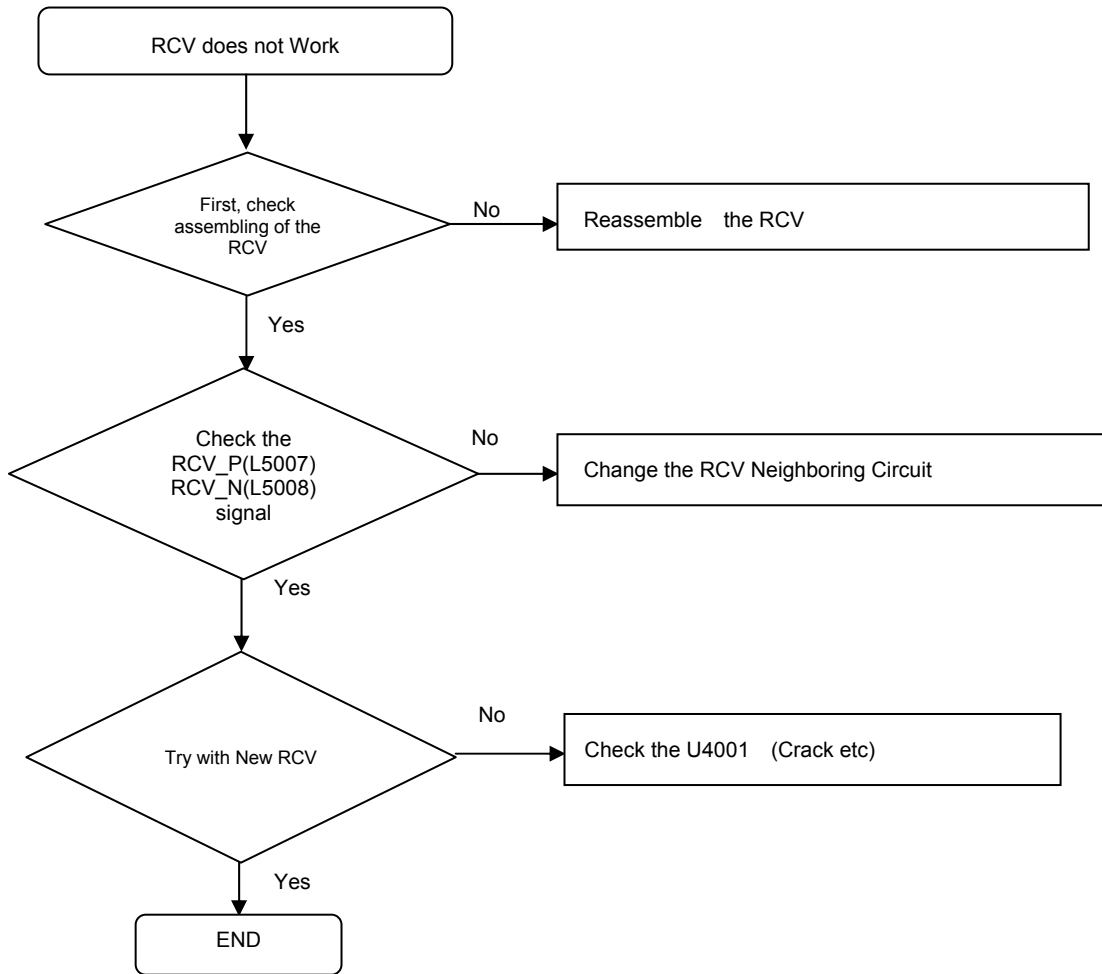
8. Level 3 Repair

8-4-7 MIC



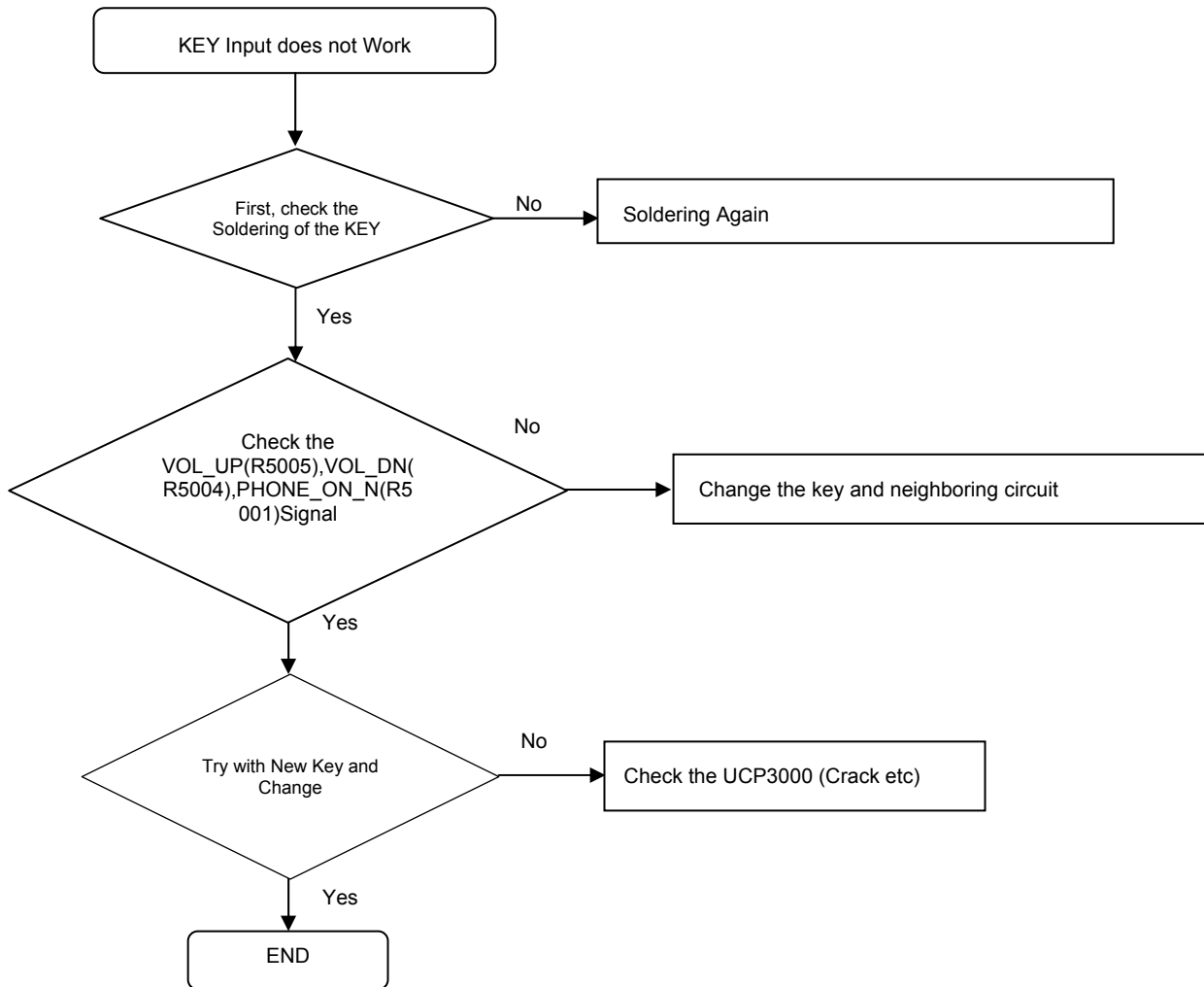
8. Level 3 Repair

8-4-8. RCV



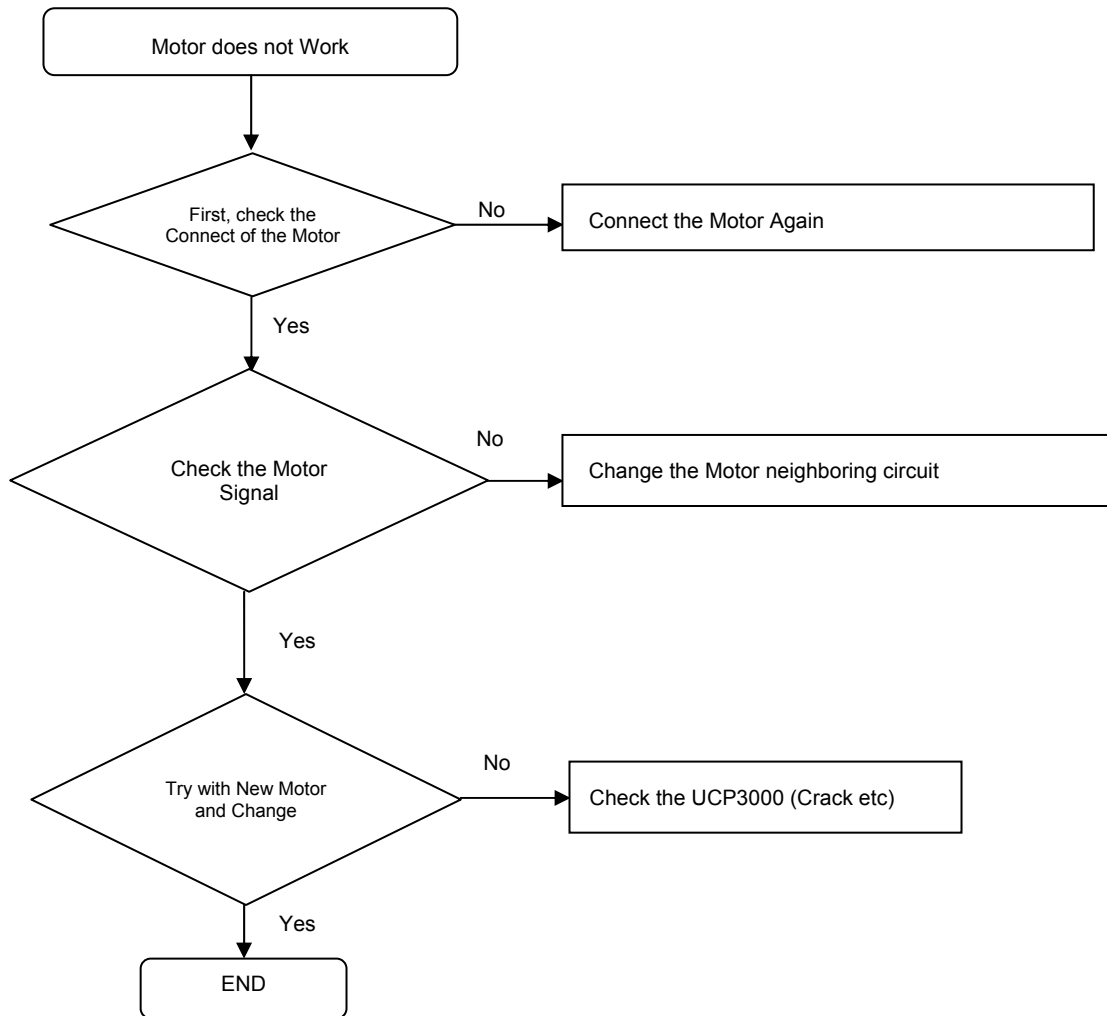
8. Level 3 Repair

8-4-9. Key Input



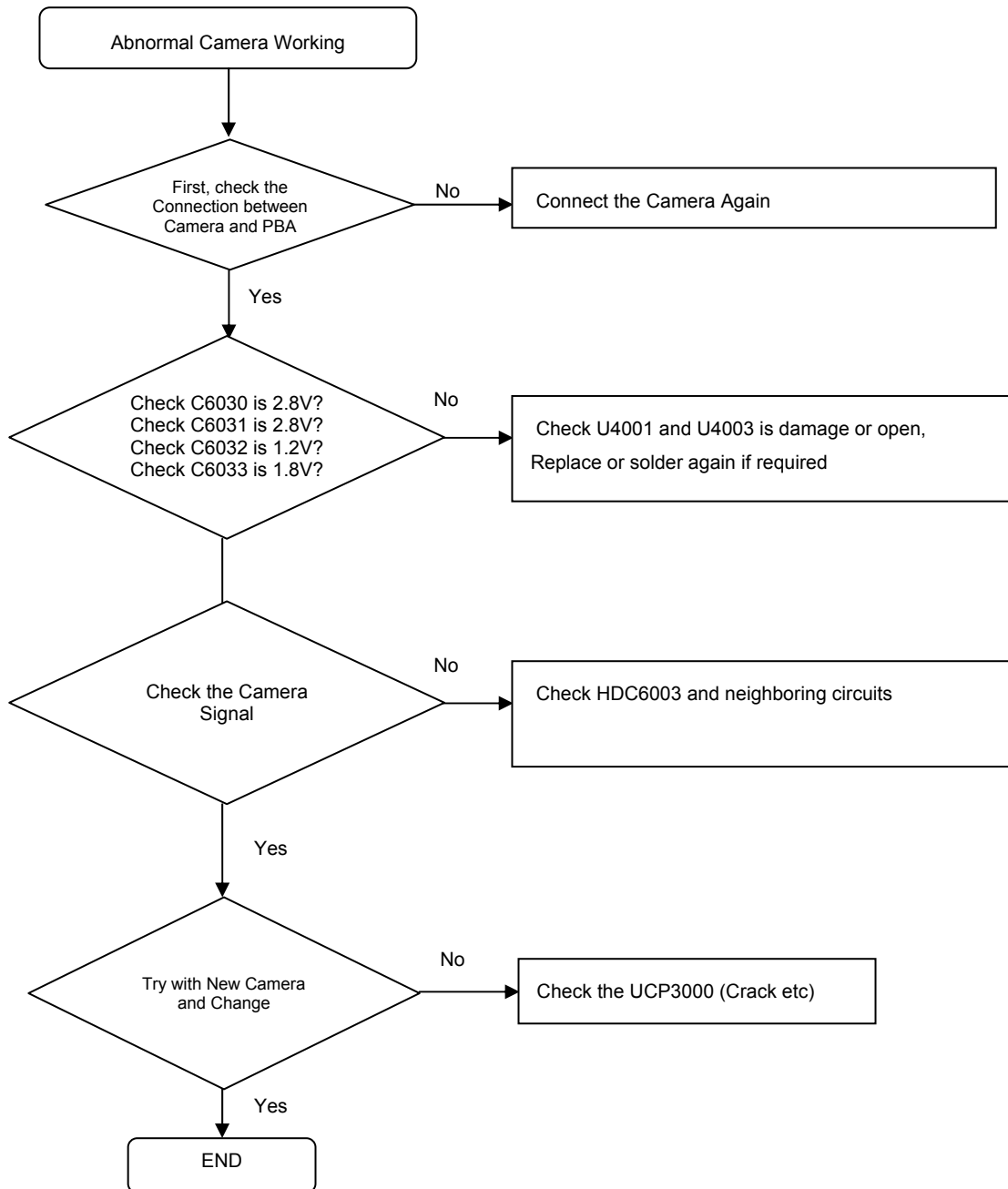
8. Level 3 Repair

8-4-10. Vibration Motor



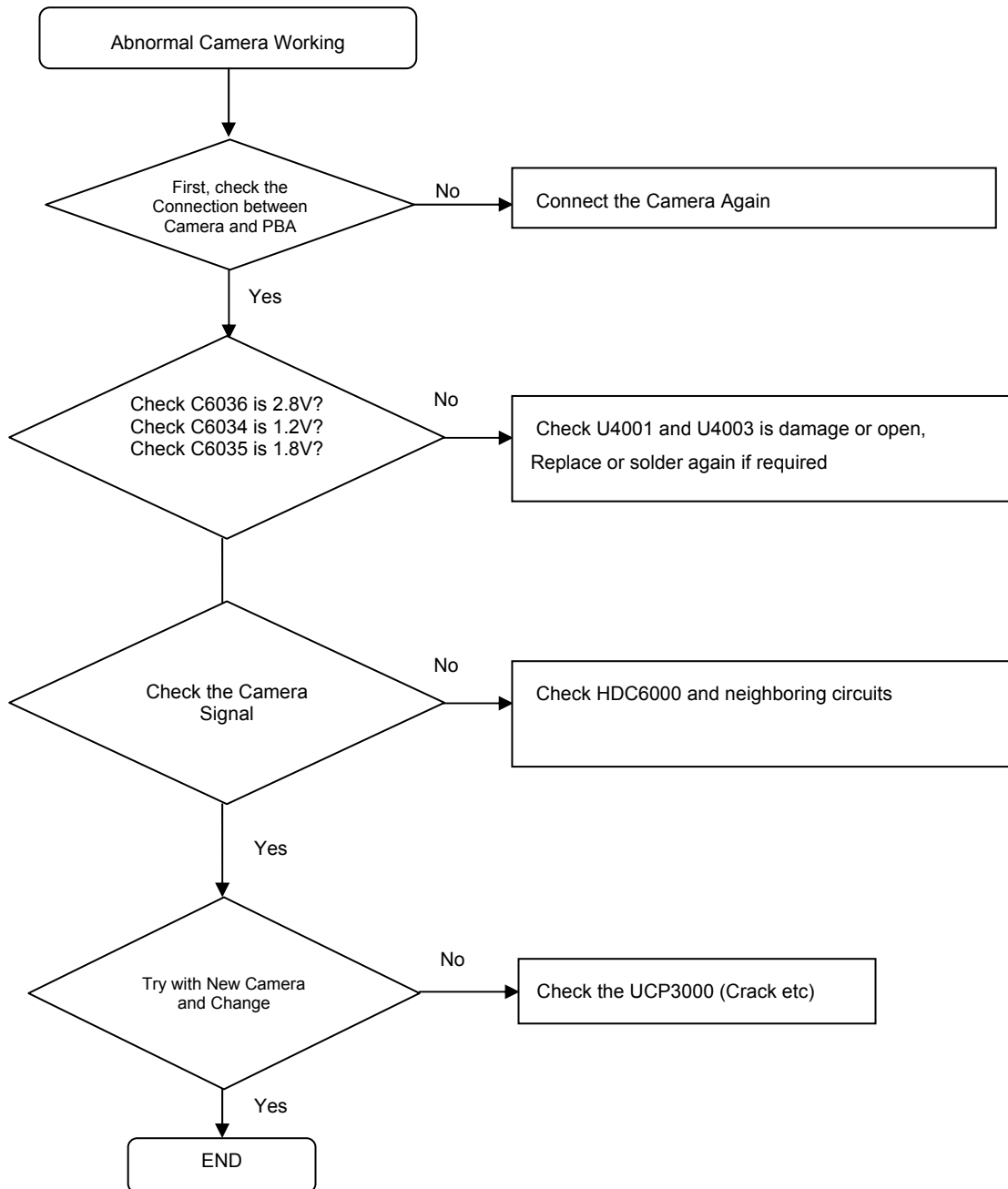
8. Level 3 Repair

8-4-11.Main CAMERA



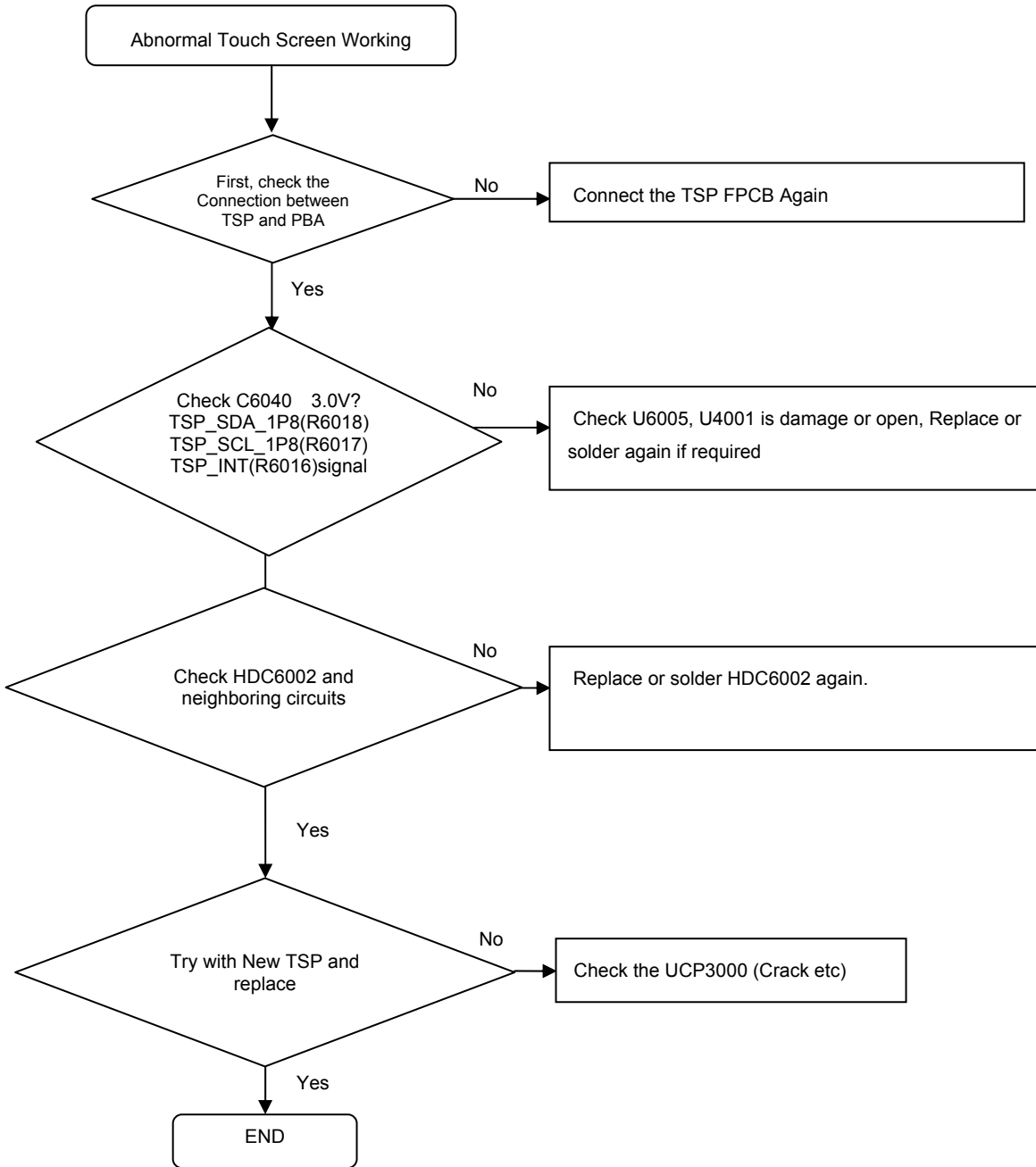
8. Level 3 Repair

8-4-12.SUB CAMERA



8. Level 3 Repair

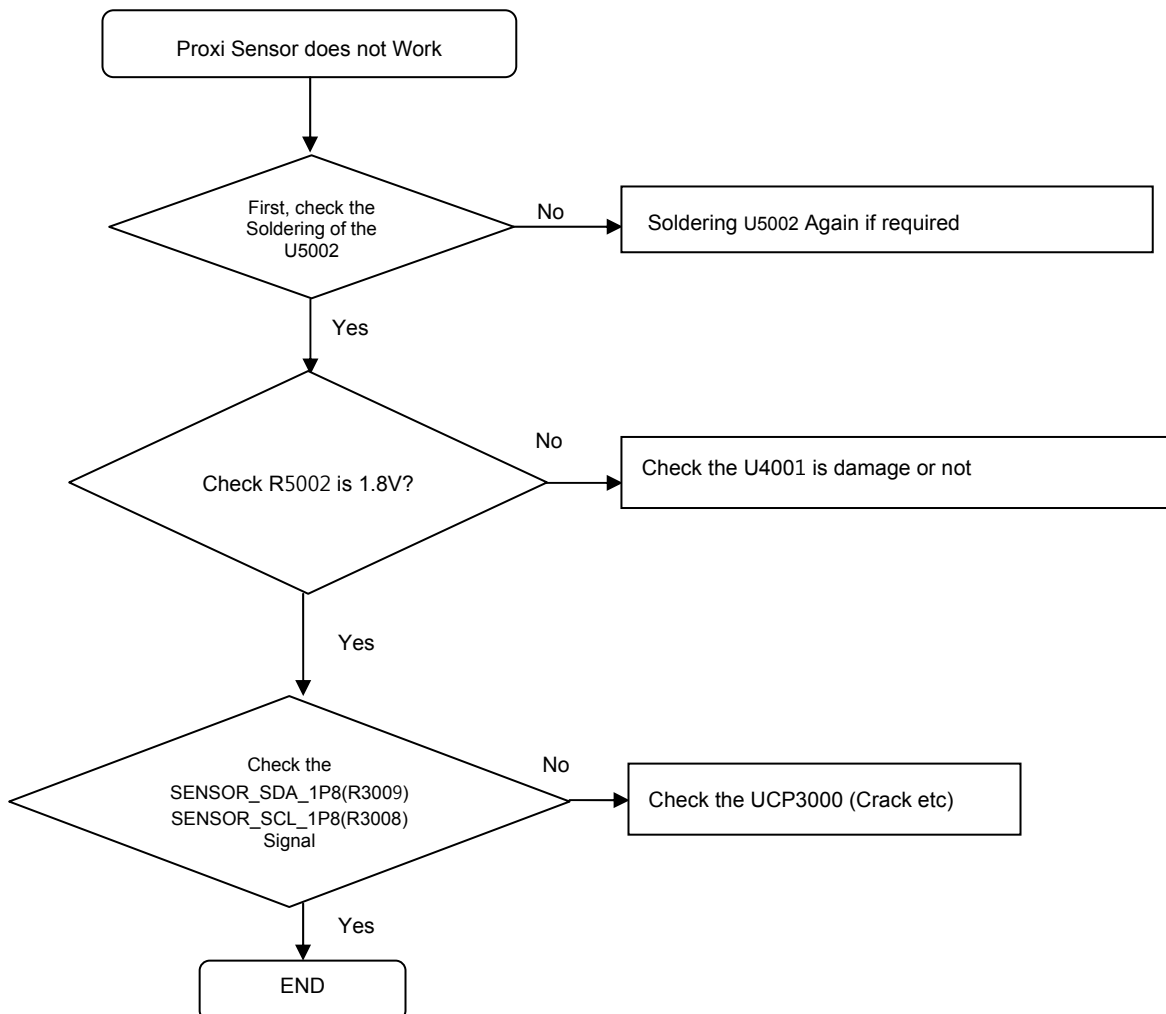
8-4-13. Touch Screen



8. Level 3 Repair

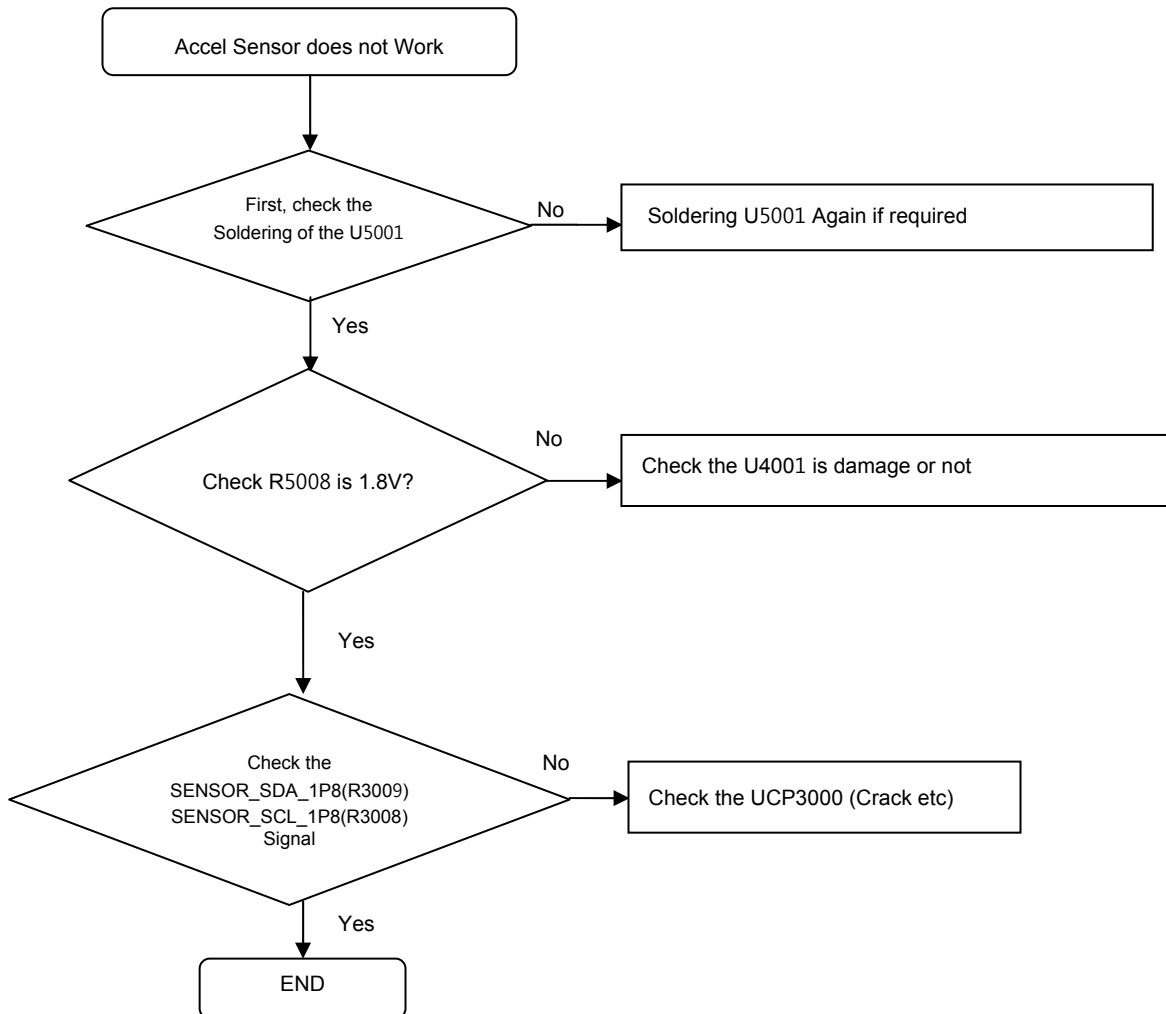
8-4-14. Sensor

8-4-14-1. Proxi Sensor



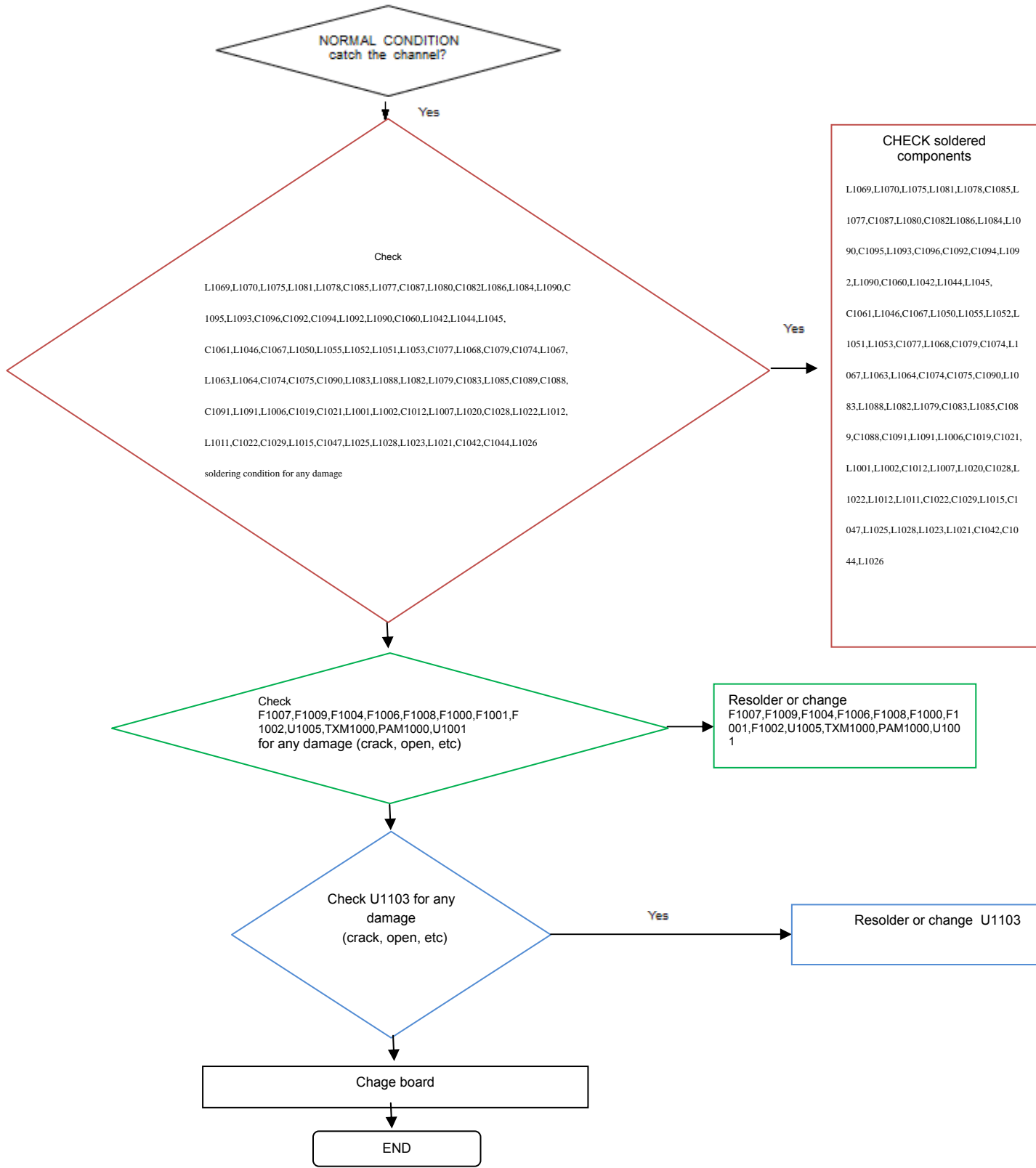
8. Level 3 Repair

8-4-14-2. Accel Sensor



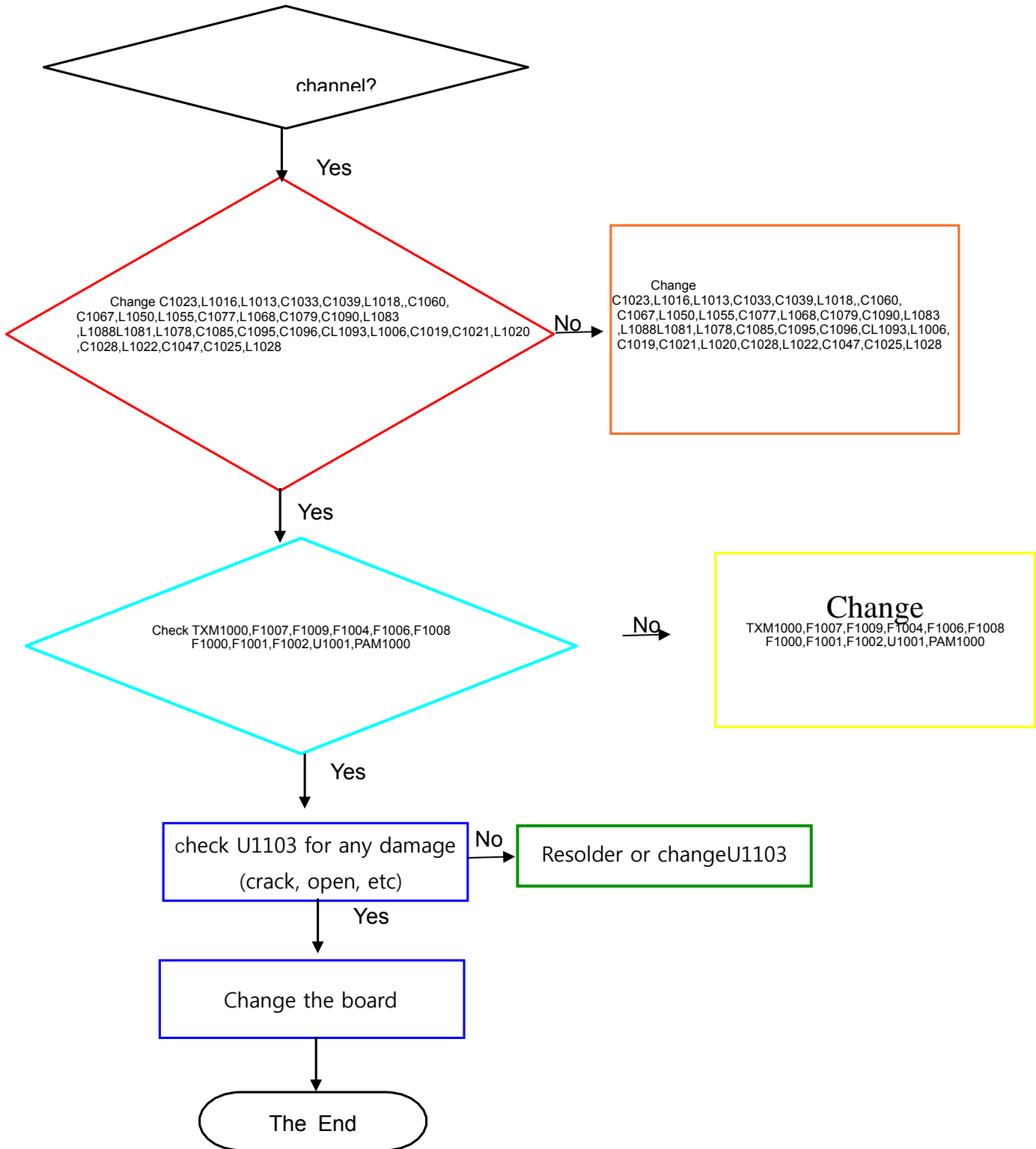
8. Level 3 Repair

8-4-15. GSM 850,900,1800,1900 WCDMA 1,2,5,8 / LTE FDD BAND 1,3,5,7,8,20 / LTE TDD BAND 40 RX



8. Level 3 Repair

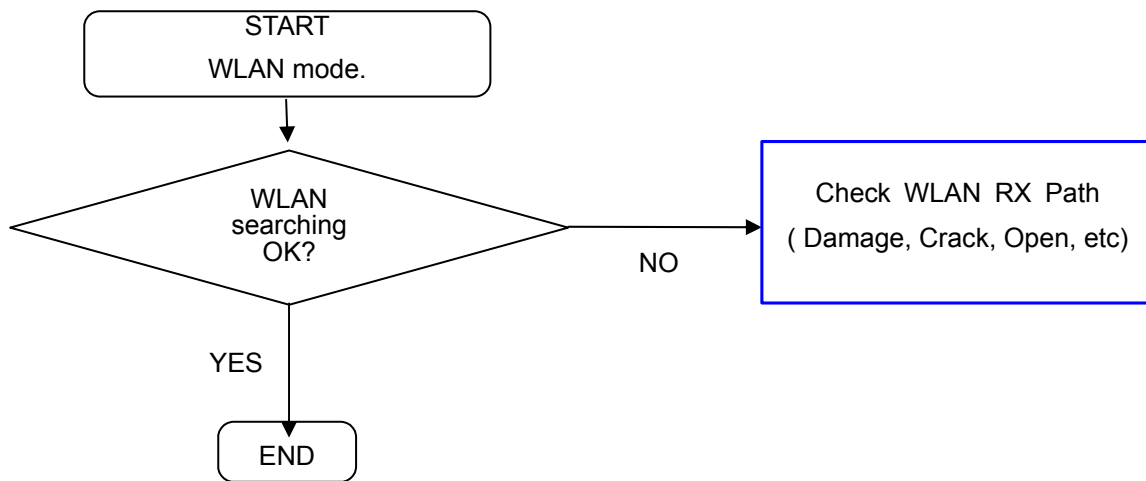
8-4-16. GSM 850,900,1800,1900 WCDMA 1,2,5,8 / LTE FDD BAND 1,3,5,7,8,20 / LTE TDD BAND 40 TX



8. Level 3 Repair

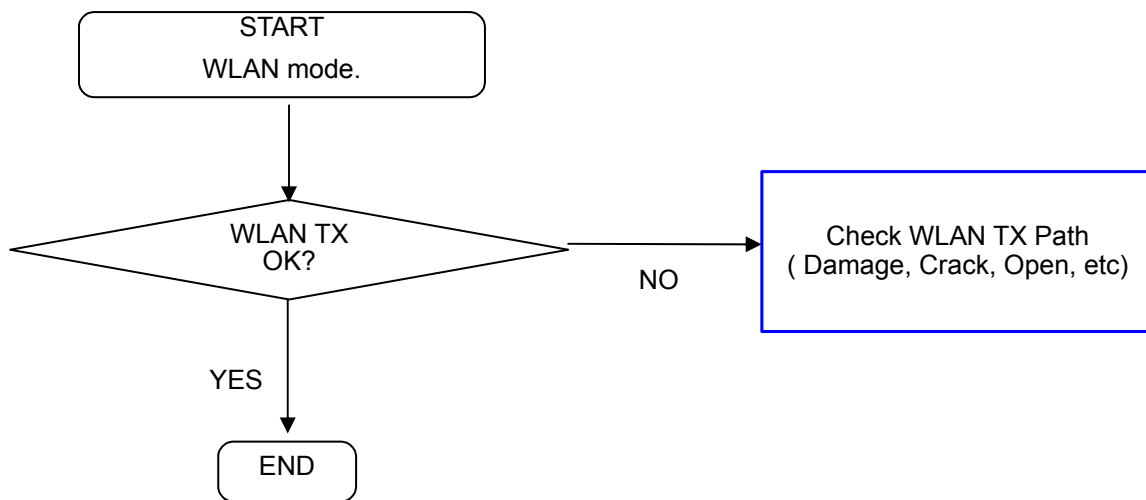
8-4-17. RF Section(WLAN / BT/FM)

- WLAN RX



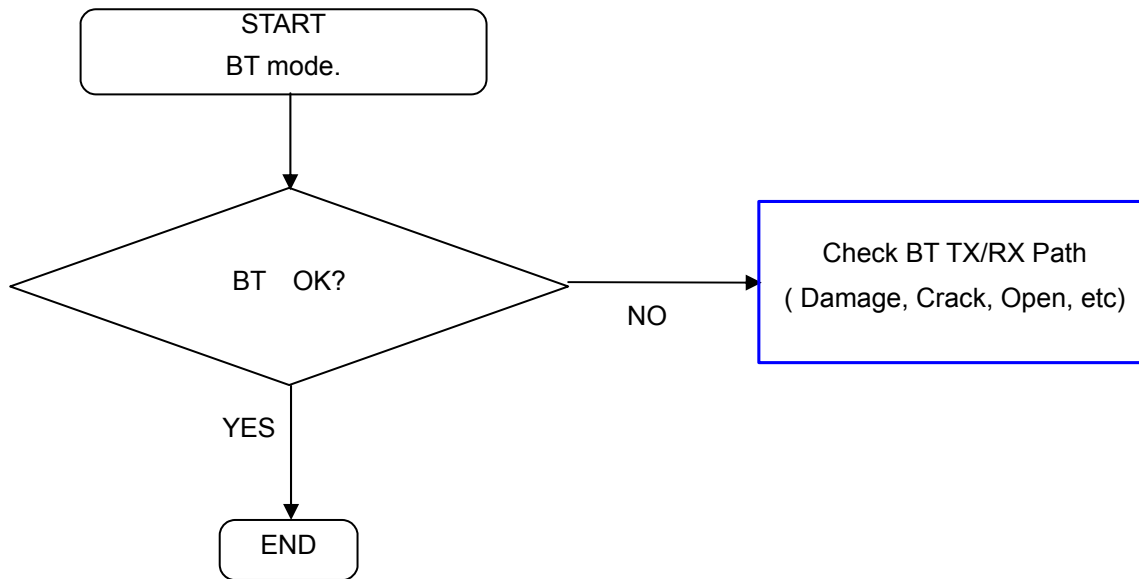
8. Level 3 Repair

- WLAN TX



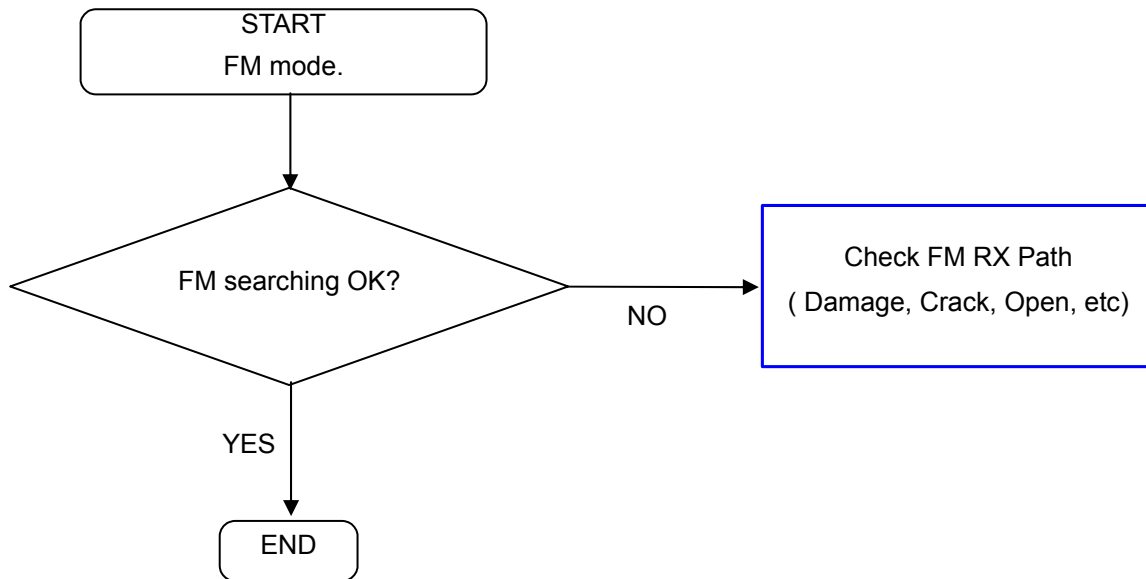
8. Level 3 Repair

- BT



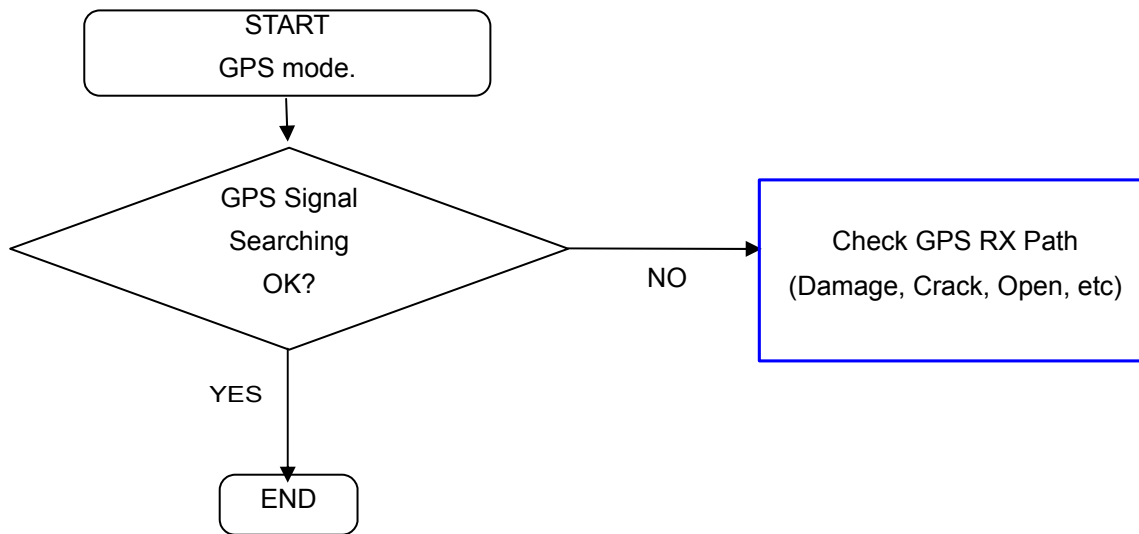
8. Level 3 Repair

- FM



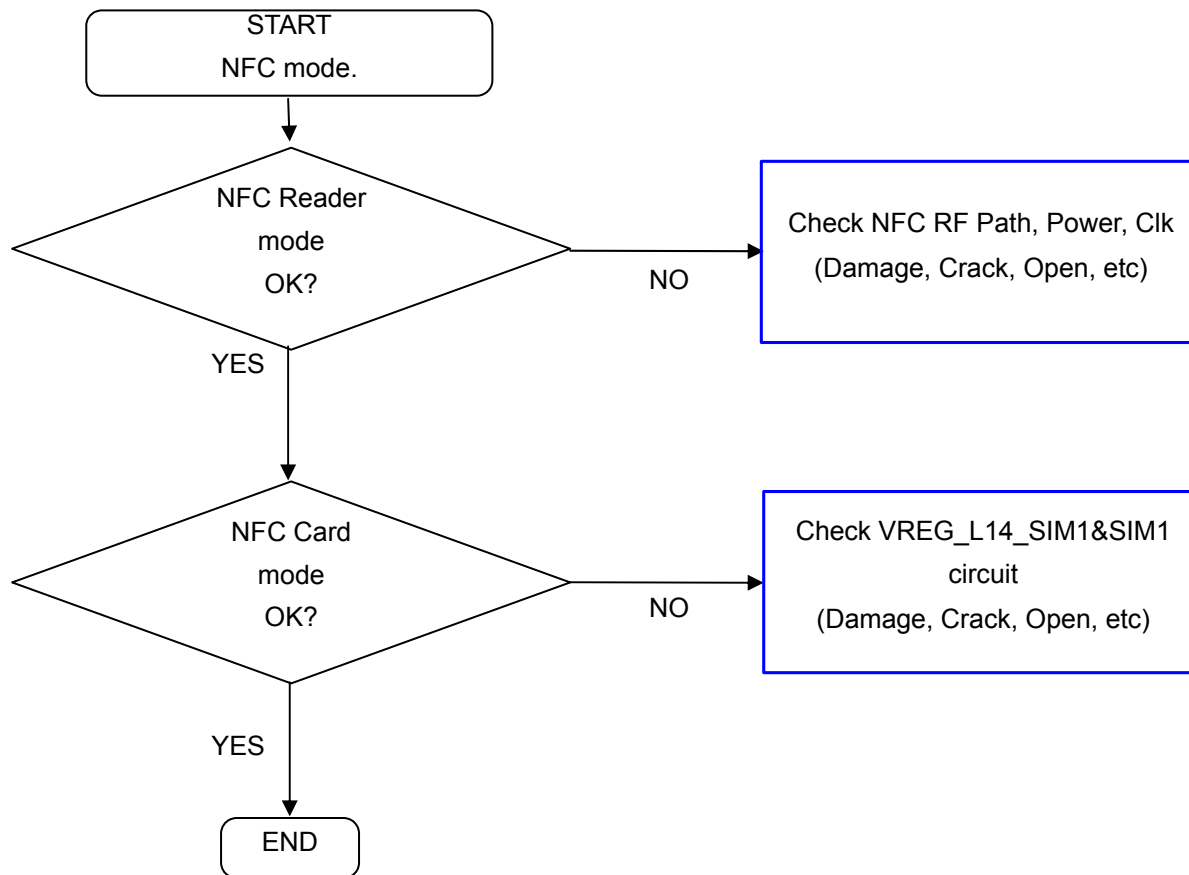
8. Level 3 Repair

8-4-18. RF Section(GPS)



8. Level 3 Repair

8-4-19. RF Section(NFC)



8. Level 3 Repair

8-5. Service Schematics

- NC Point(Top View)

● : NC

UCP3000 (AP)

