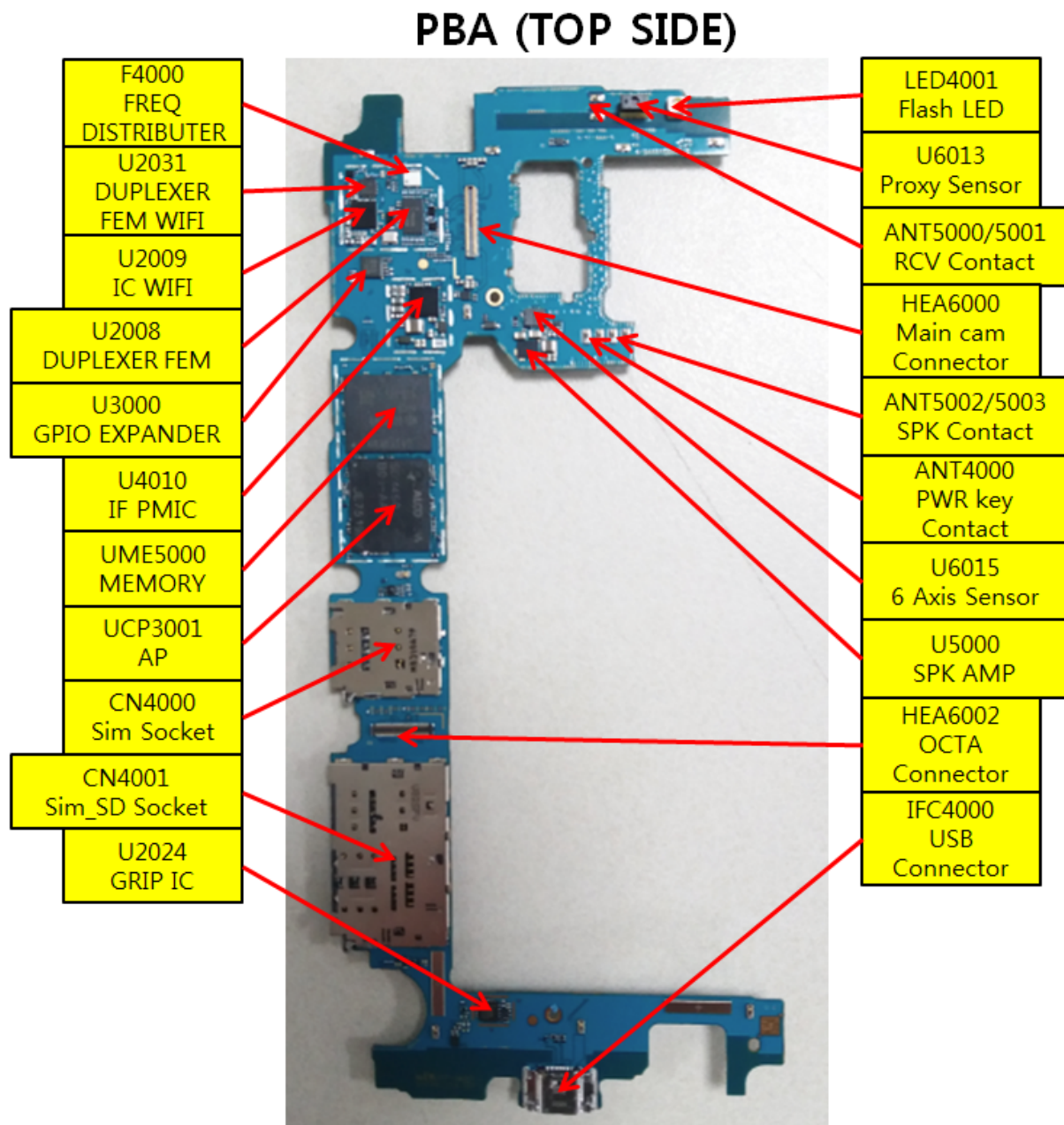
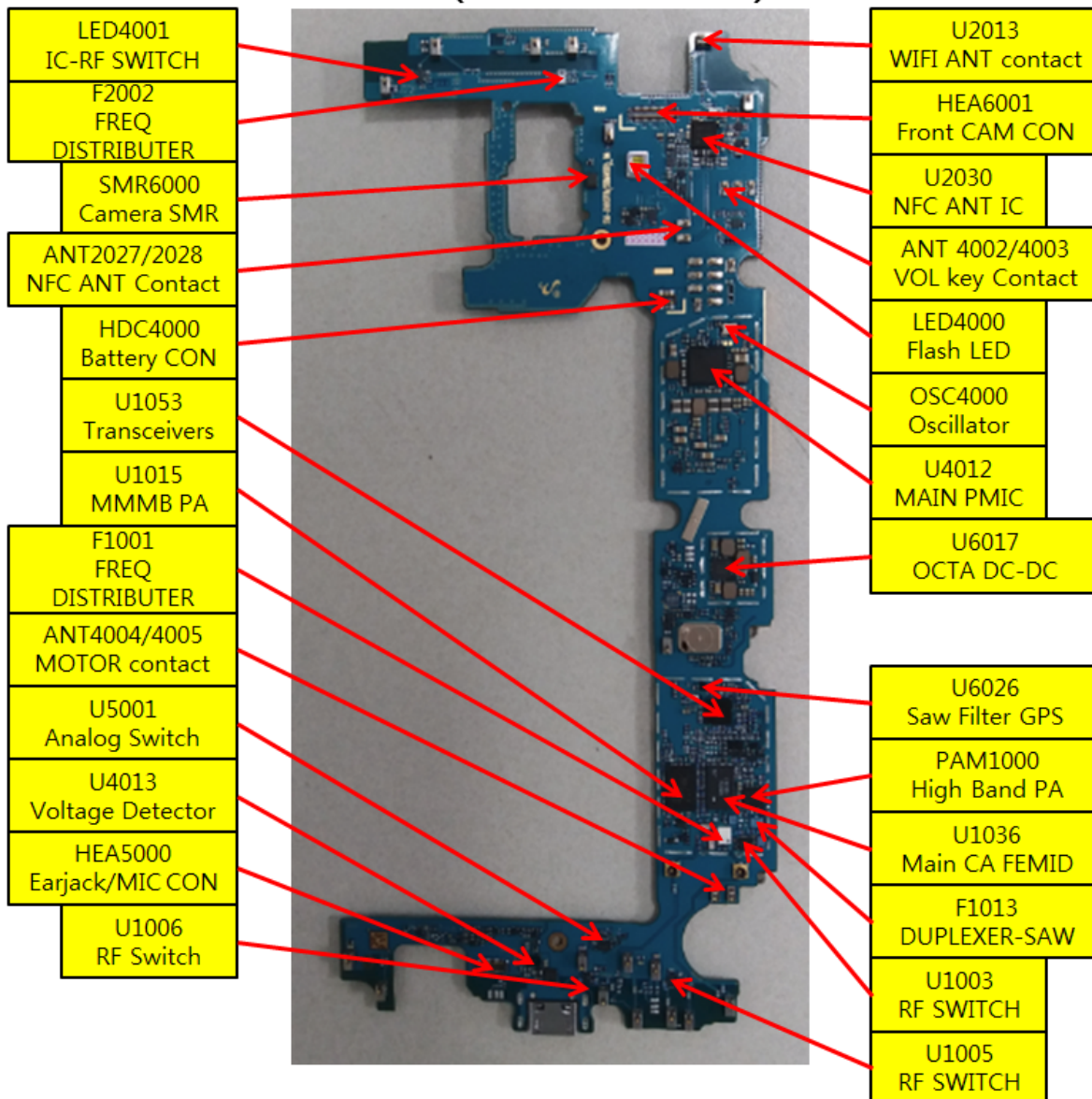

8. Level 3 Repair

8-1. Components Layout

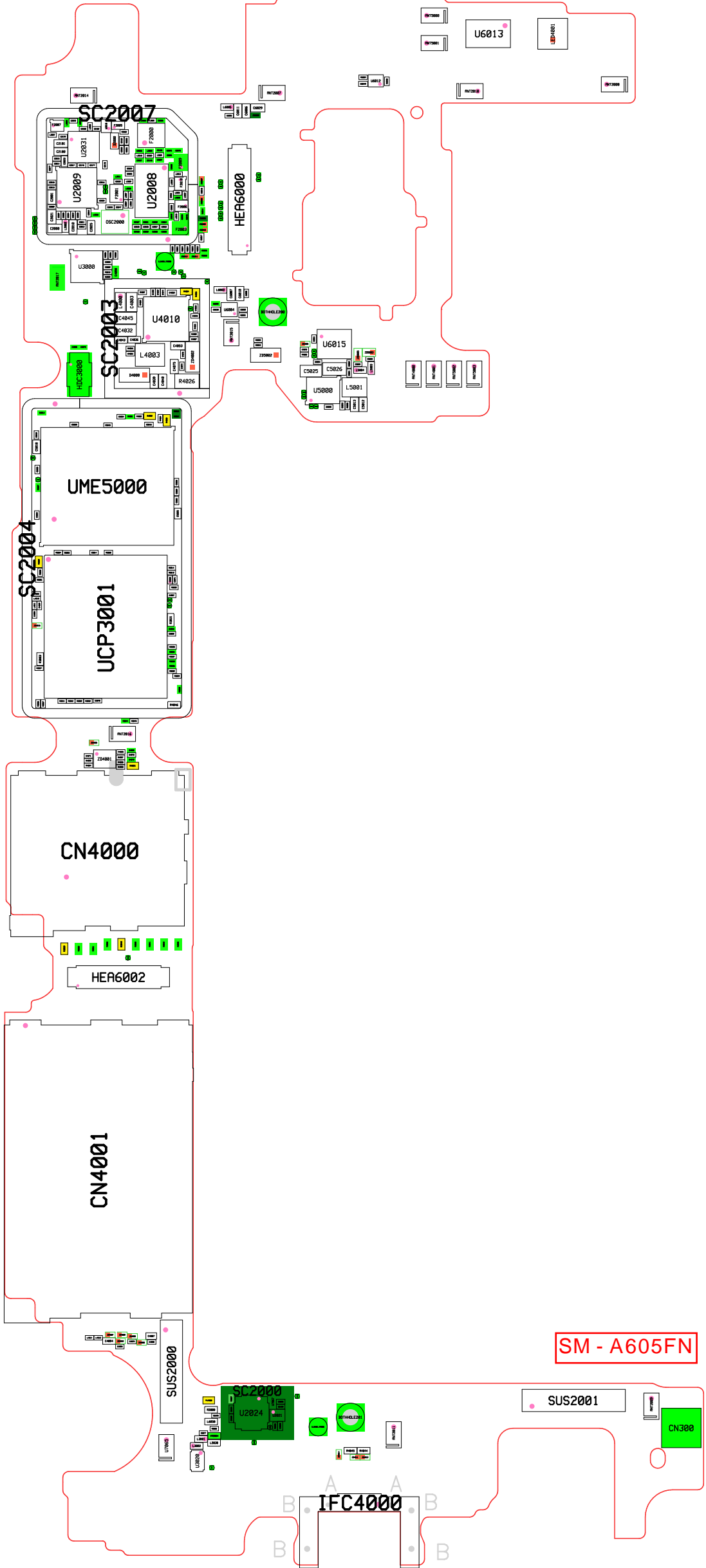


8. Level 3 Repair

PBA (BOTTOM SIDE)



SM - A605FN/F/GN
Common



SC2007

U2009

U2031

F2000

U2008

OSC2000

HER6000

U3800

SC2003

U4010

C4045

C4032

L4003

R4025

U6015

C5025

C5026

U5000

L5001

UME5000

UCP3001

CN4000

HER6002

CN4001

SUS2000

SM - A605FN

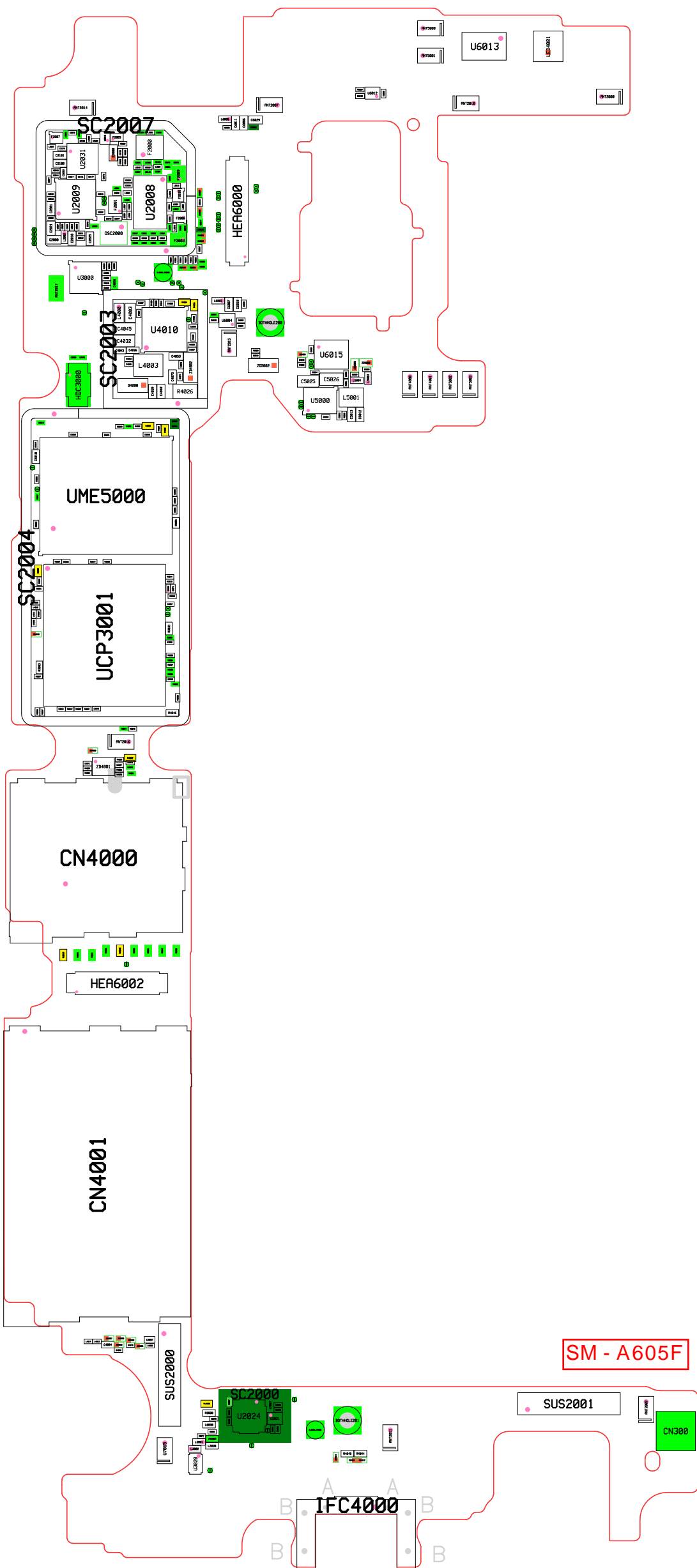
SUS2001

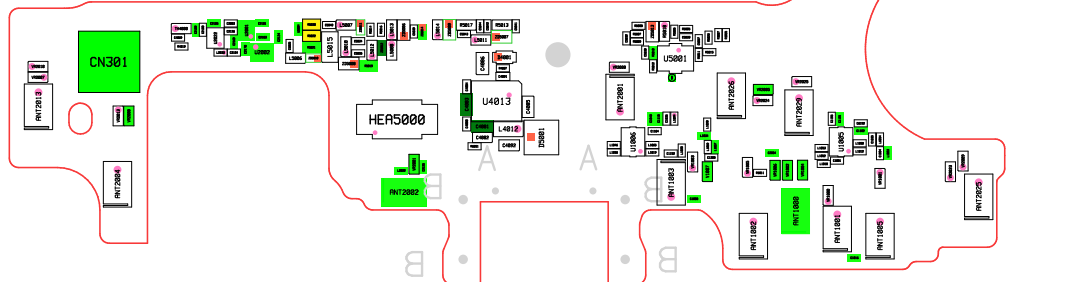
CN300

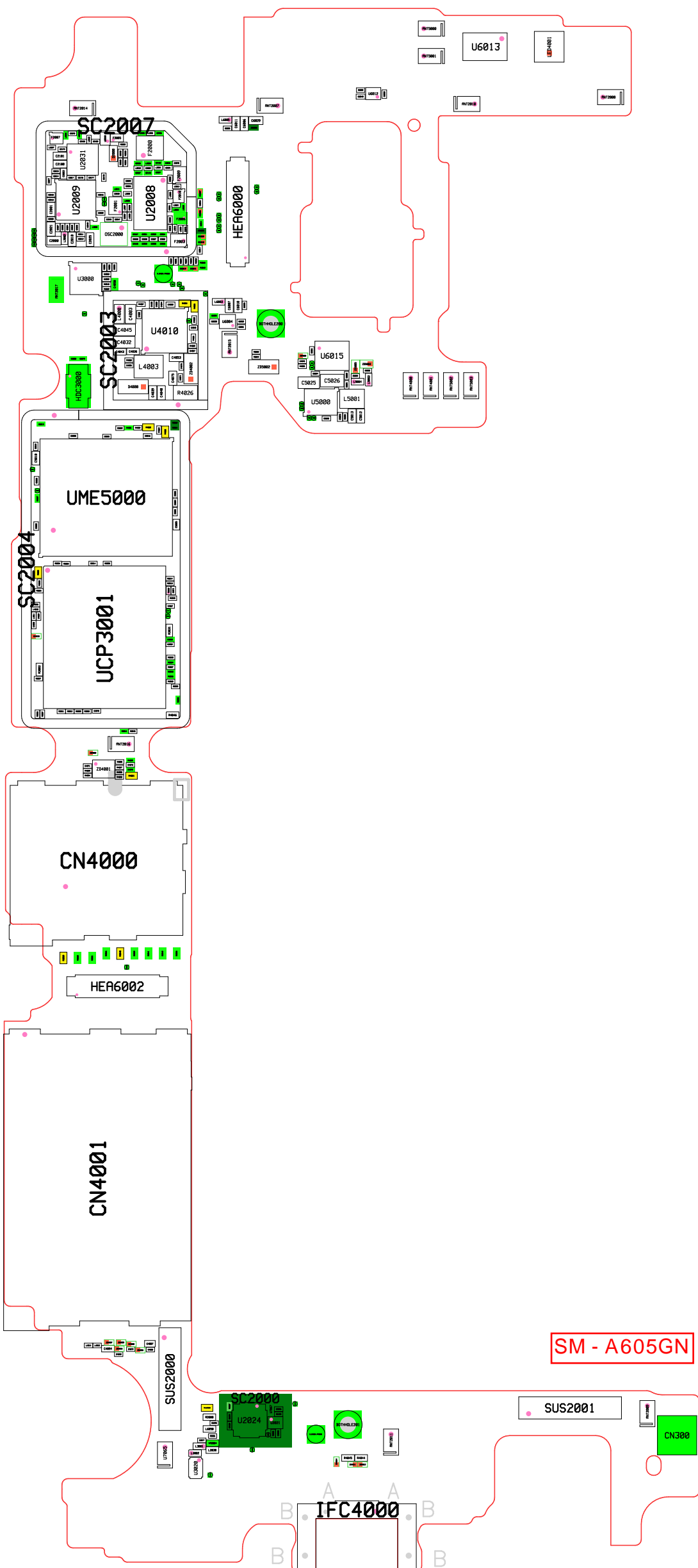
SC2000

U2024

IFC4000

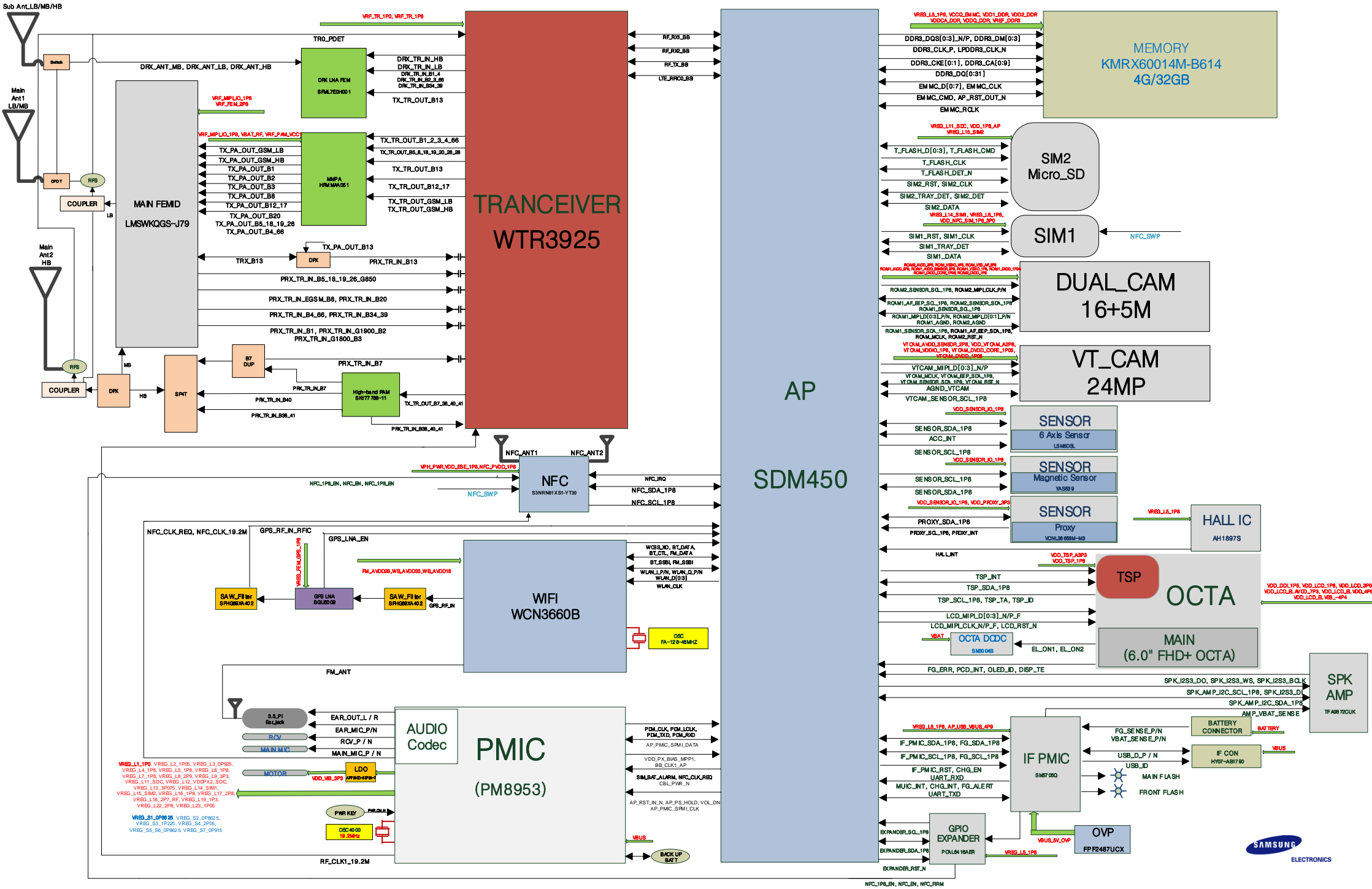




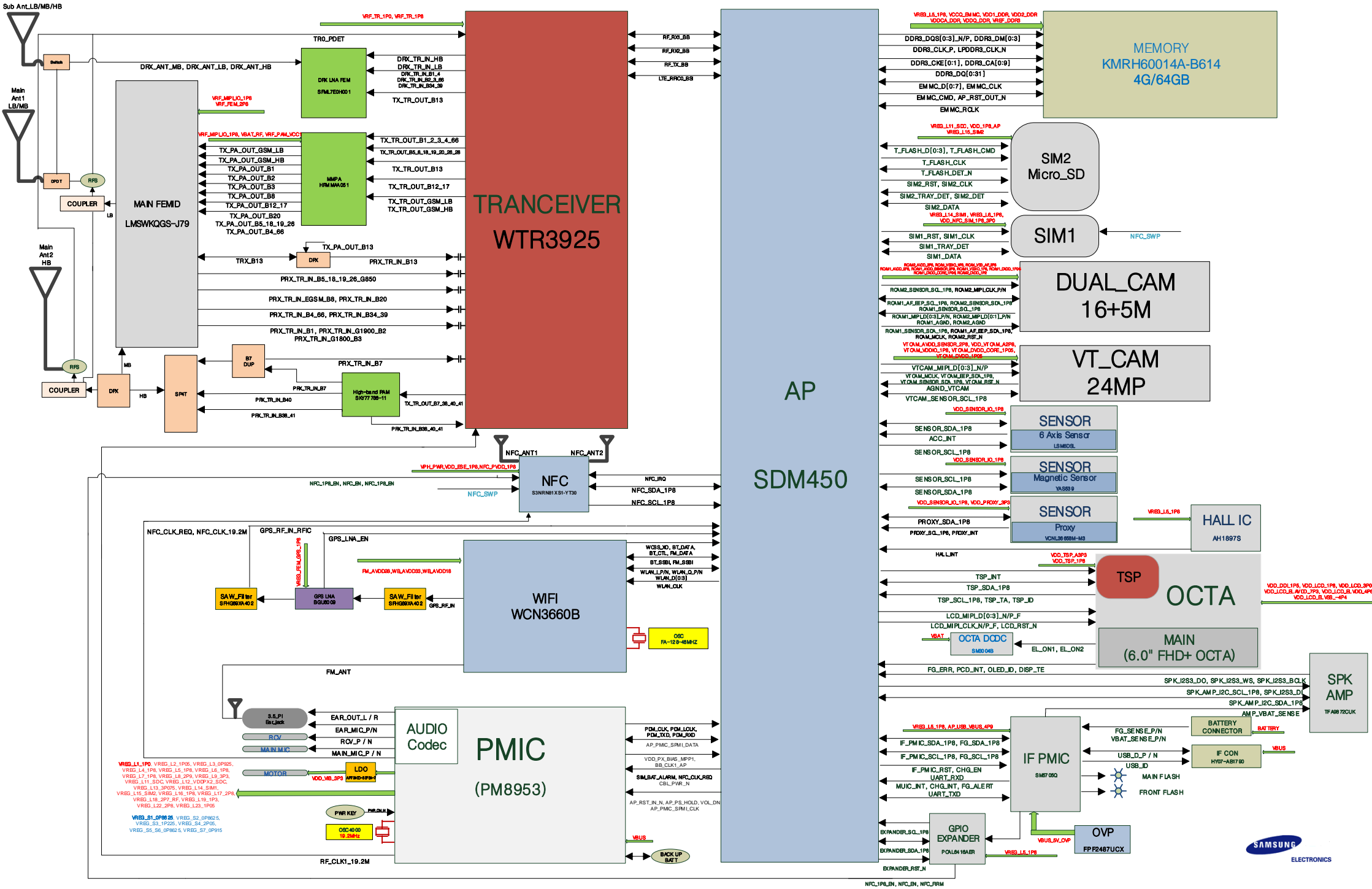


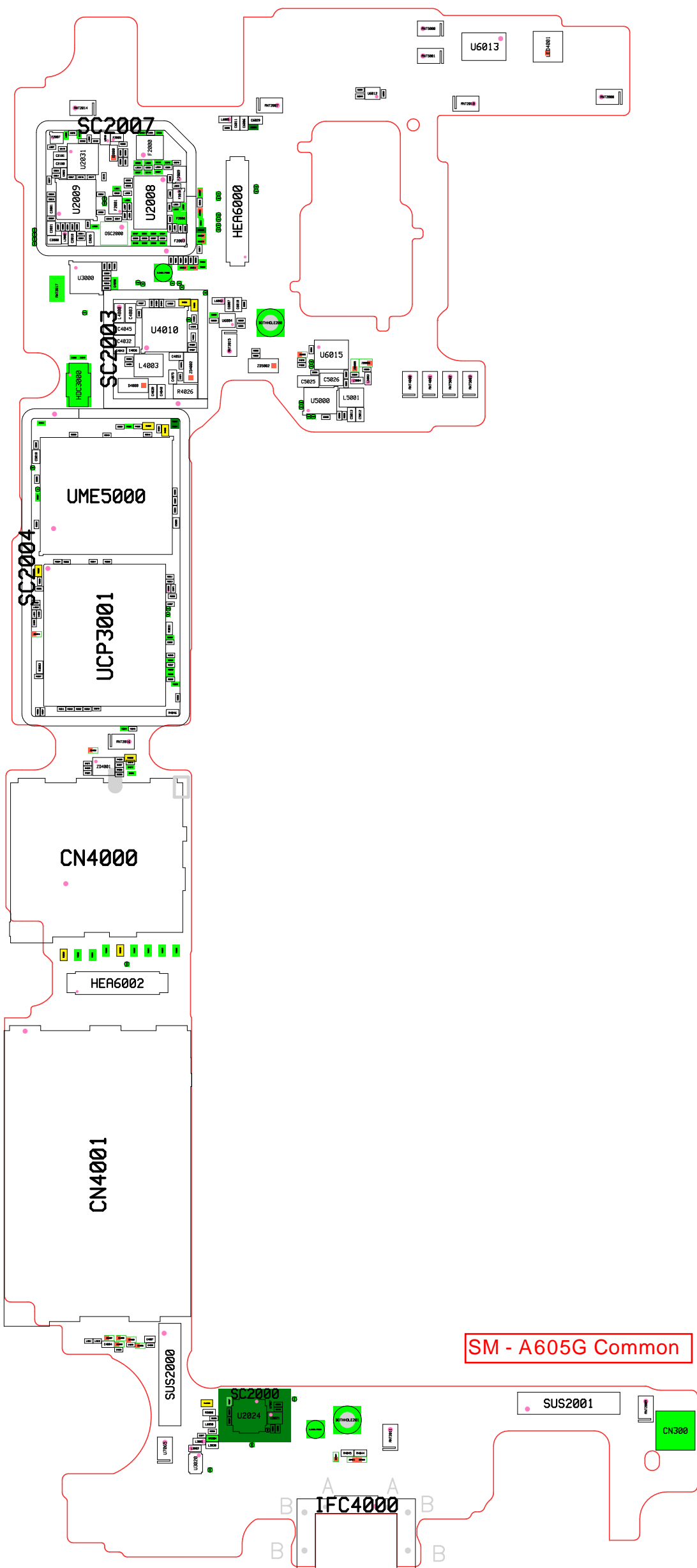
A6+ Block Diagram

SM - A605G_SEA



A6+ Block Diagram SM - A605G_SWA



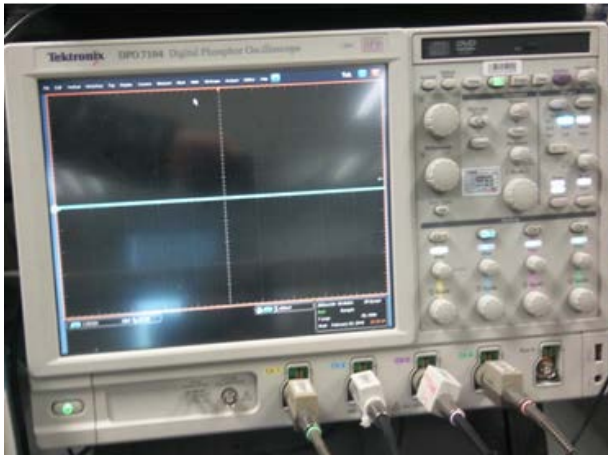


SM - A605G Common



8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



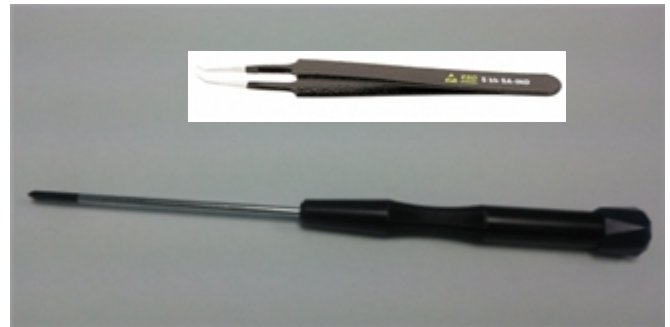
Oscilloscope



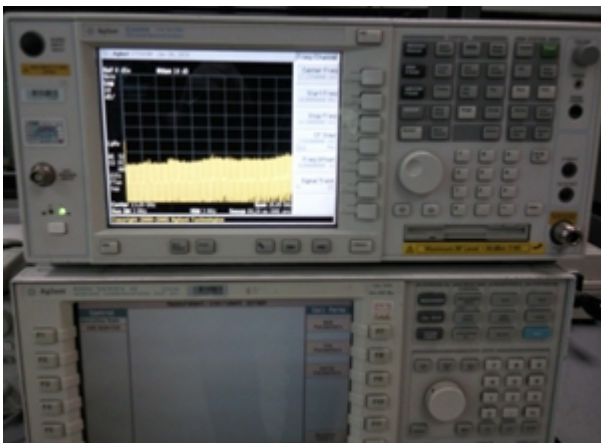
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



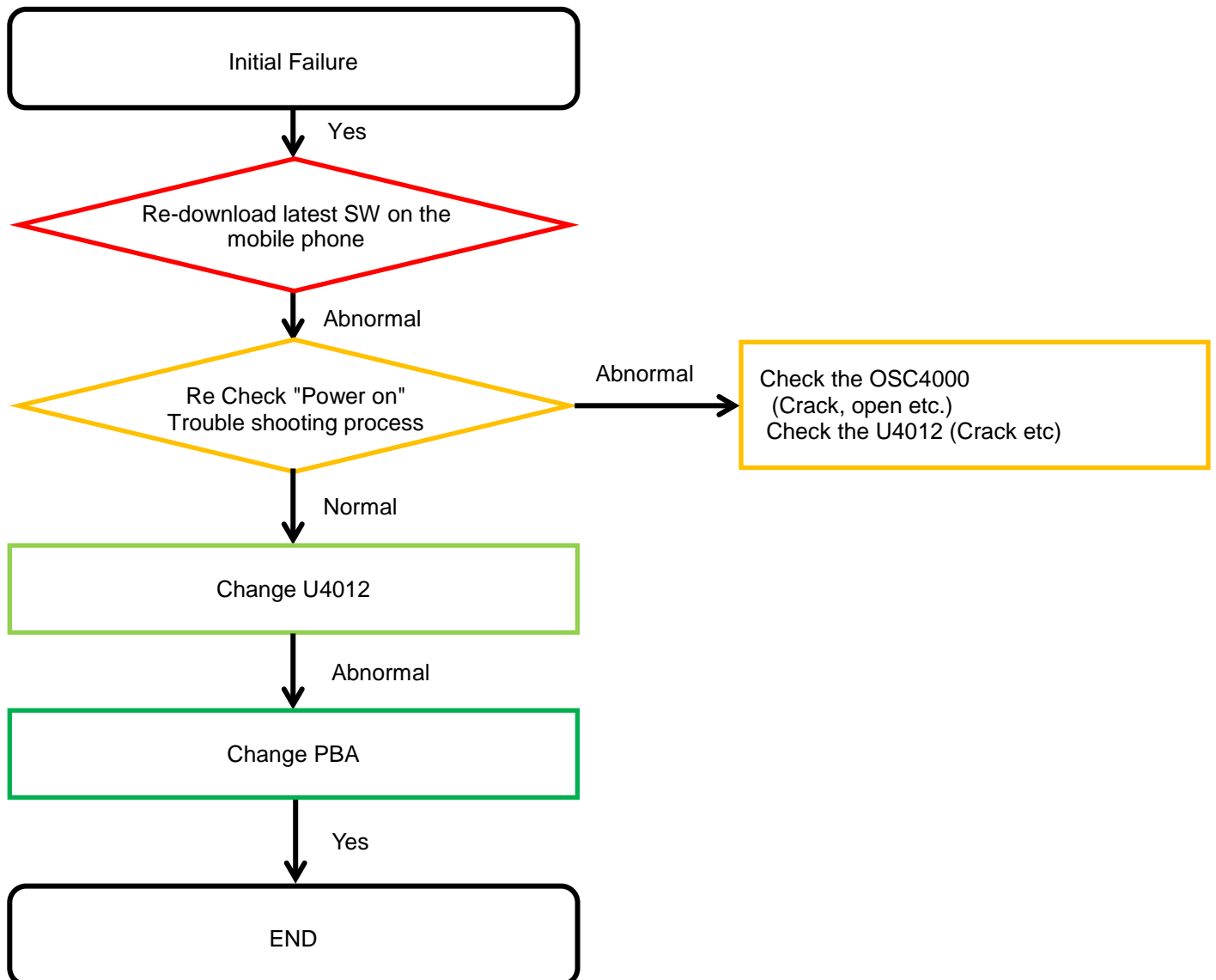
8960 & Spectrum Analyzer



Soldering iron

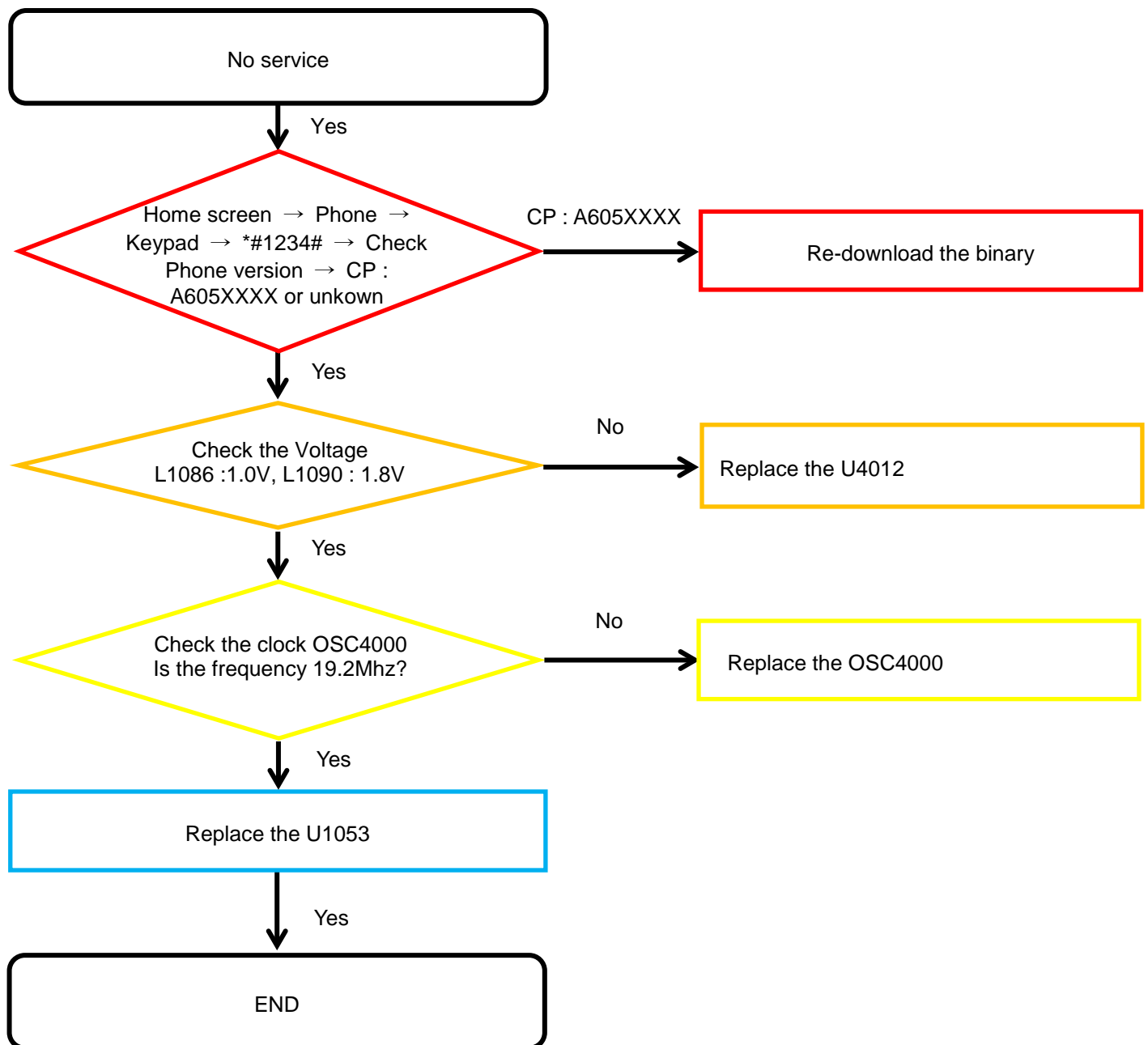
8. Level 3 Repair

8-4-1. Initial



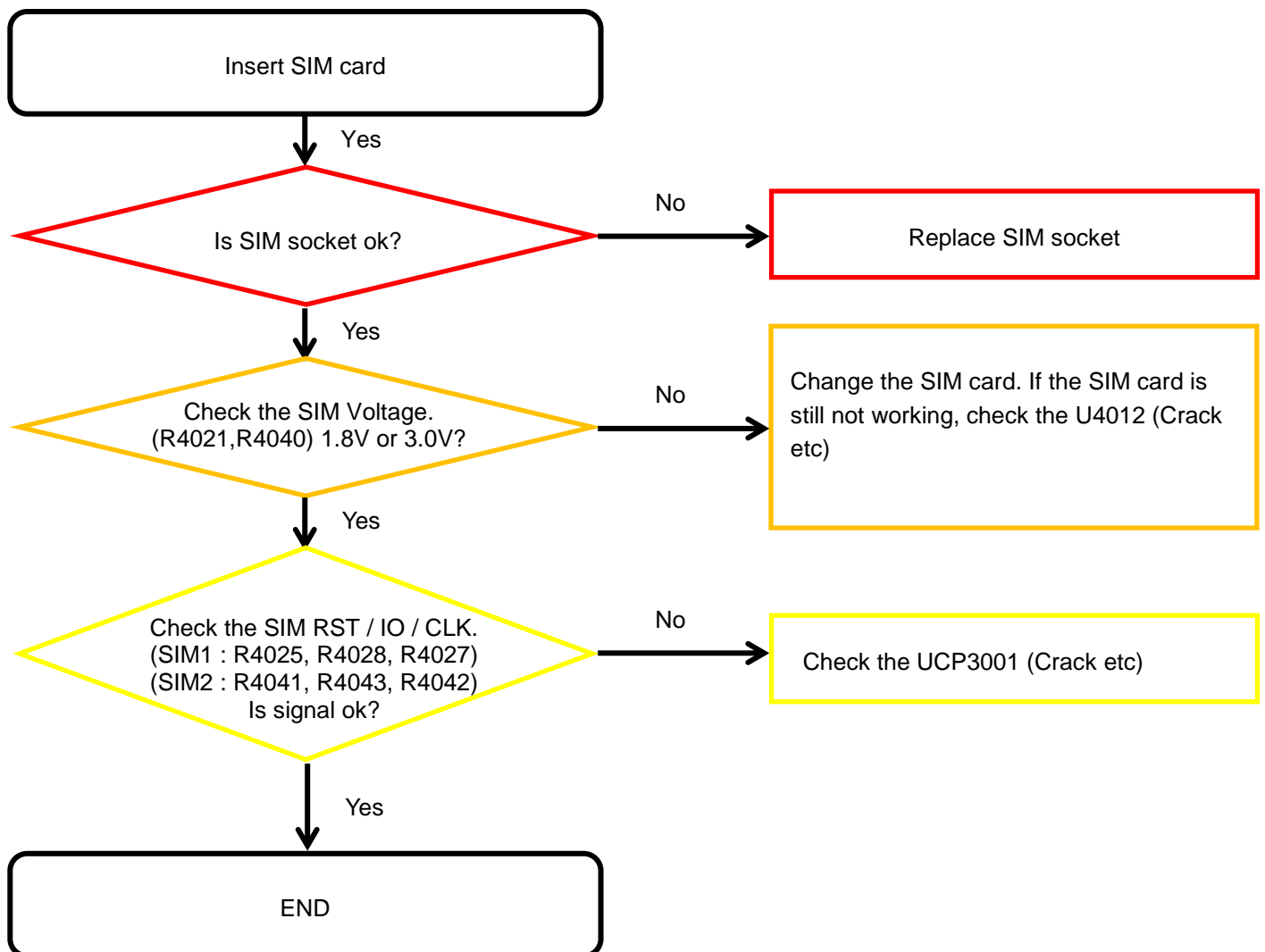
8. Level 3 Repair

8-4-2. No Service



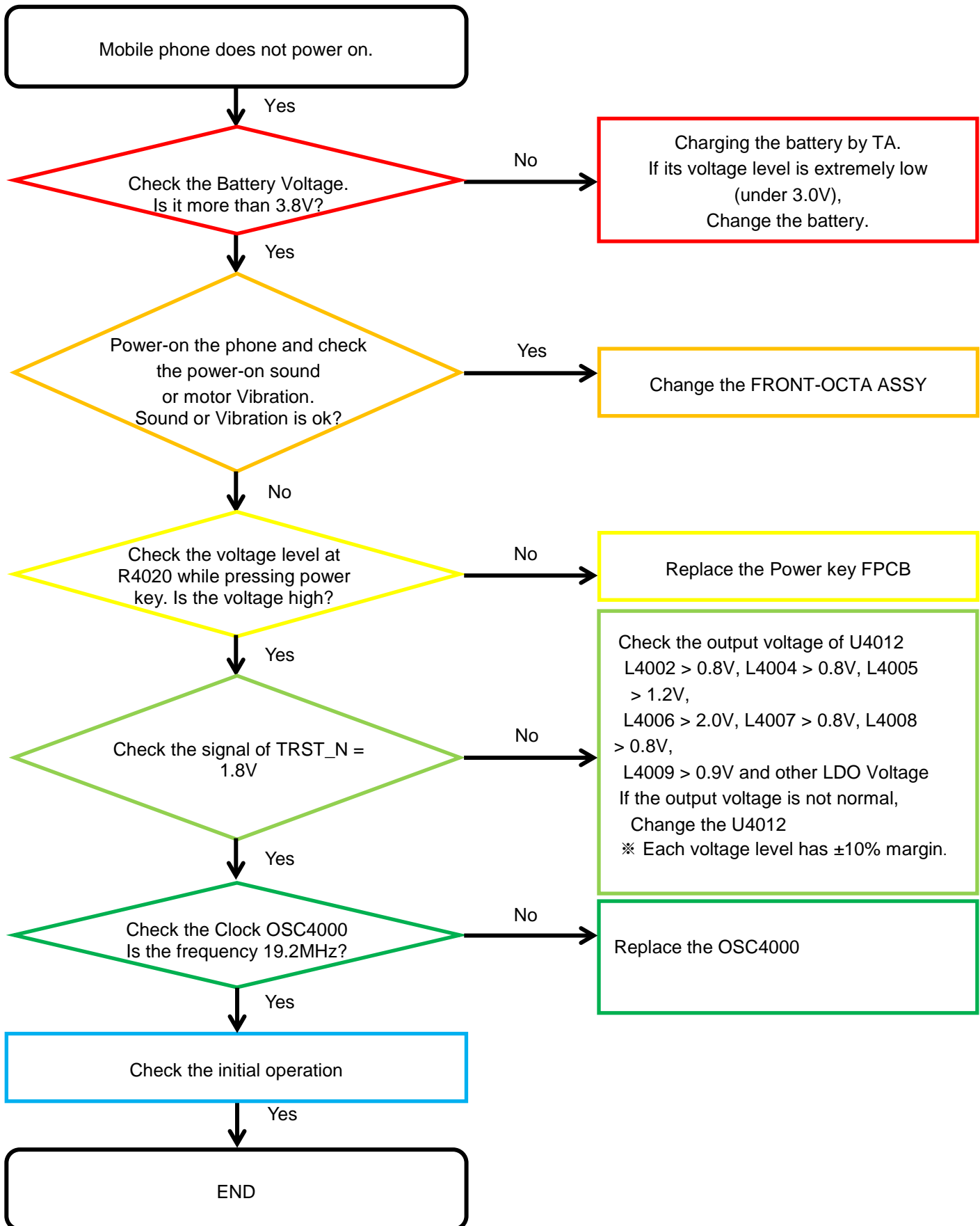
8. Level 3 Repair

8-4-3. SIM Part



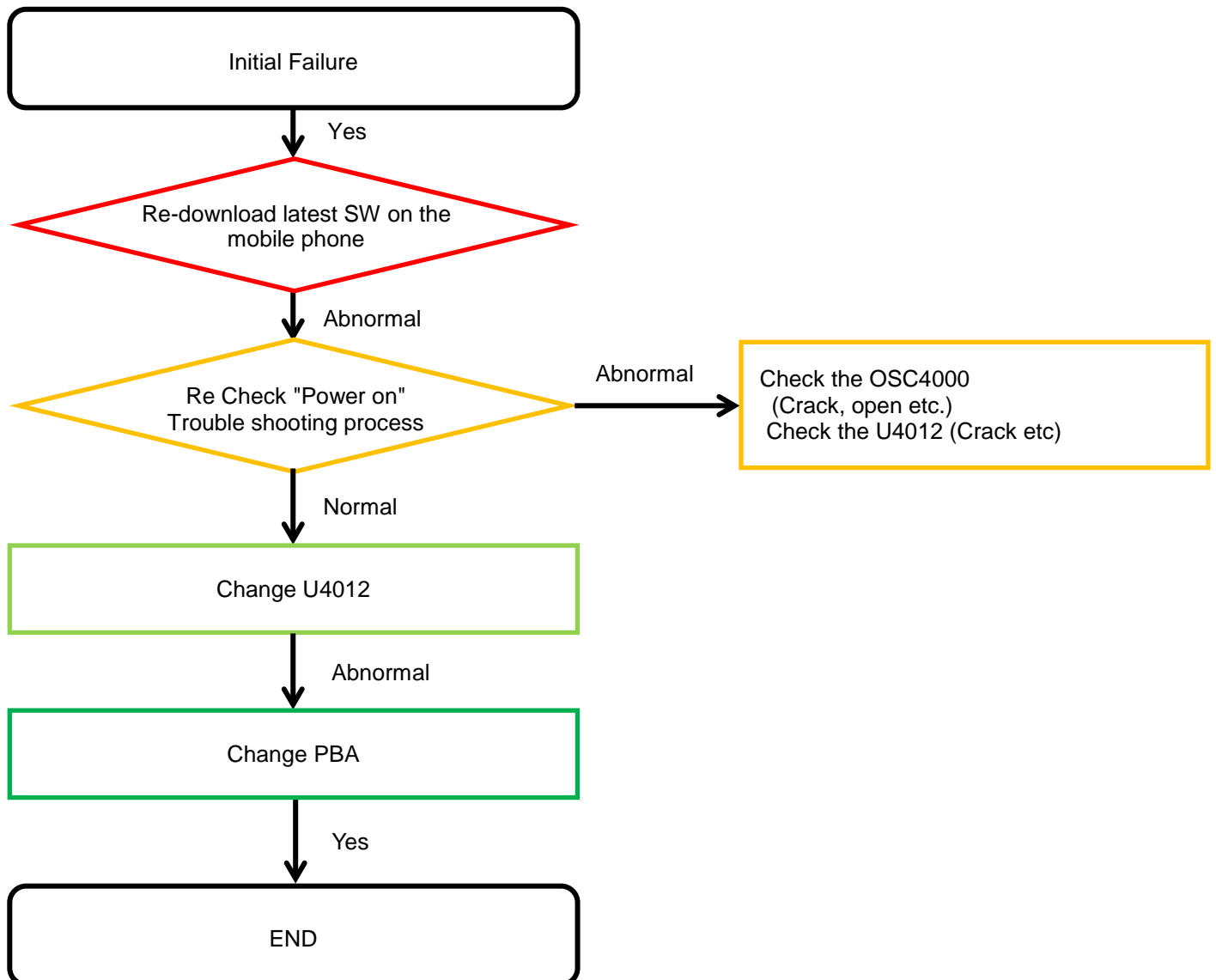
8. Level 3 Repair

8-4-1. Power On



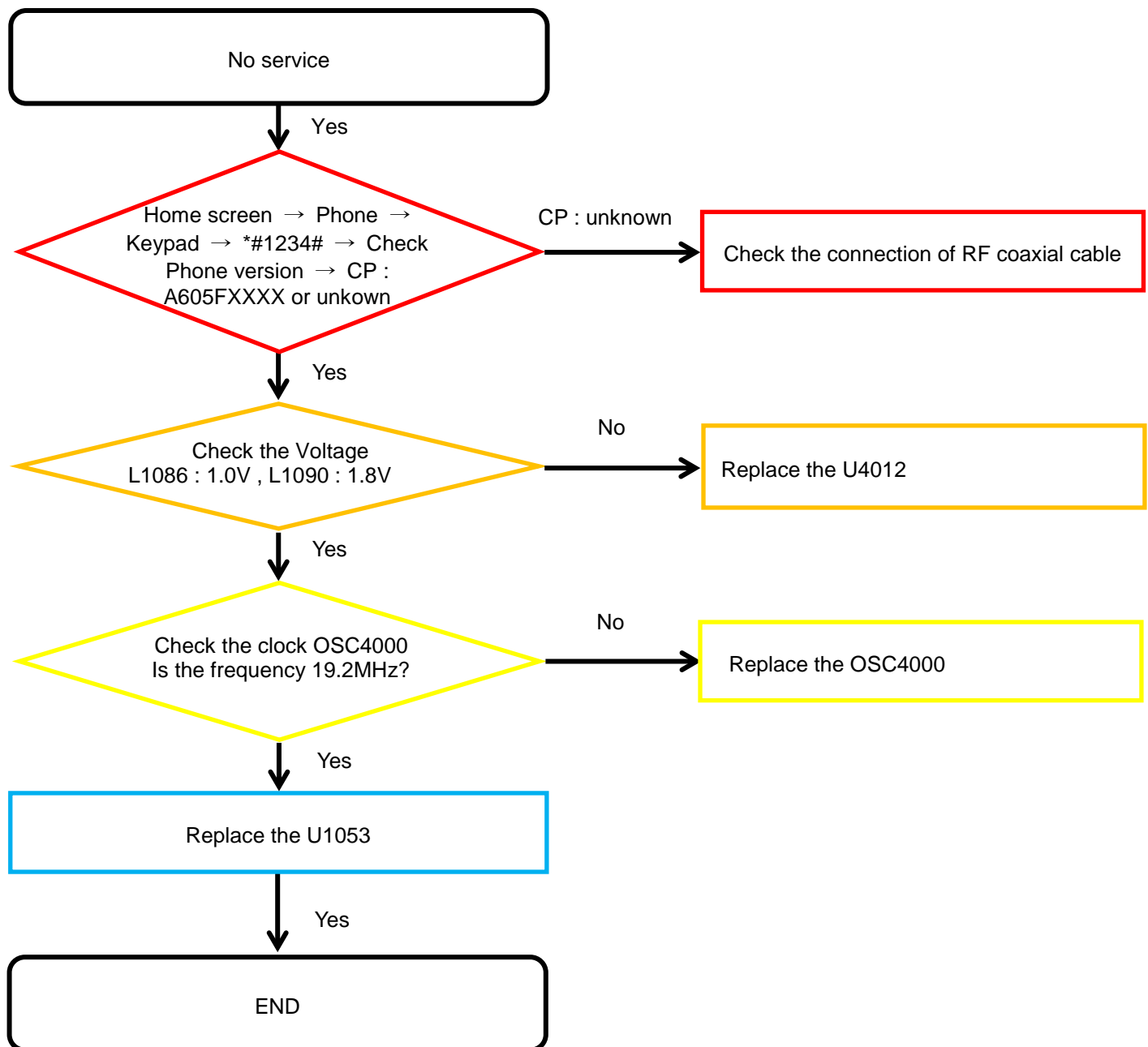
8. Level 3 Repair

8-4-2. Initial



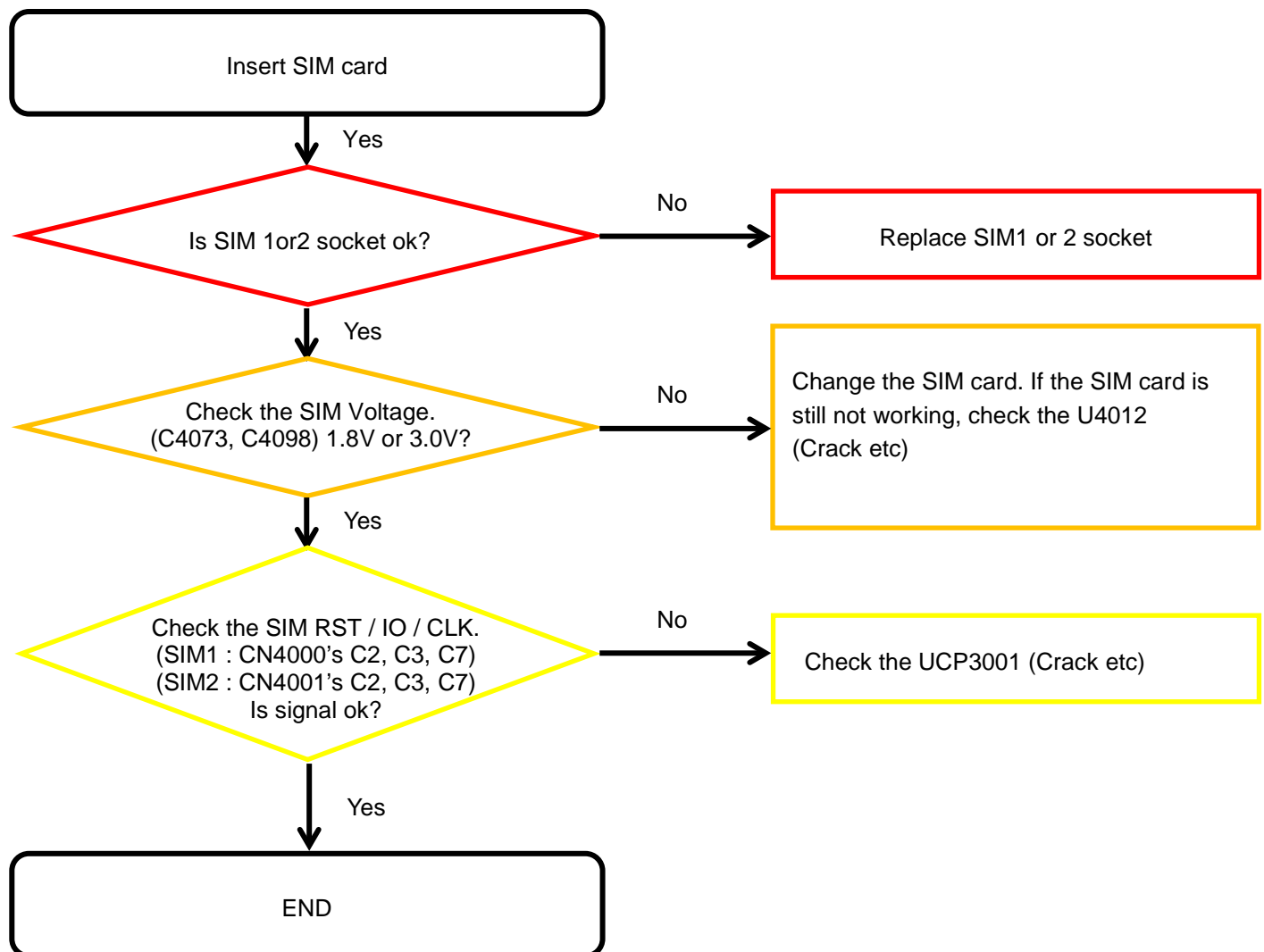
8. Level 3 Repair

8-4-3. No Service



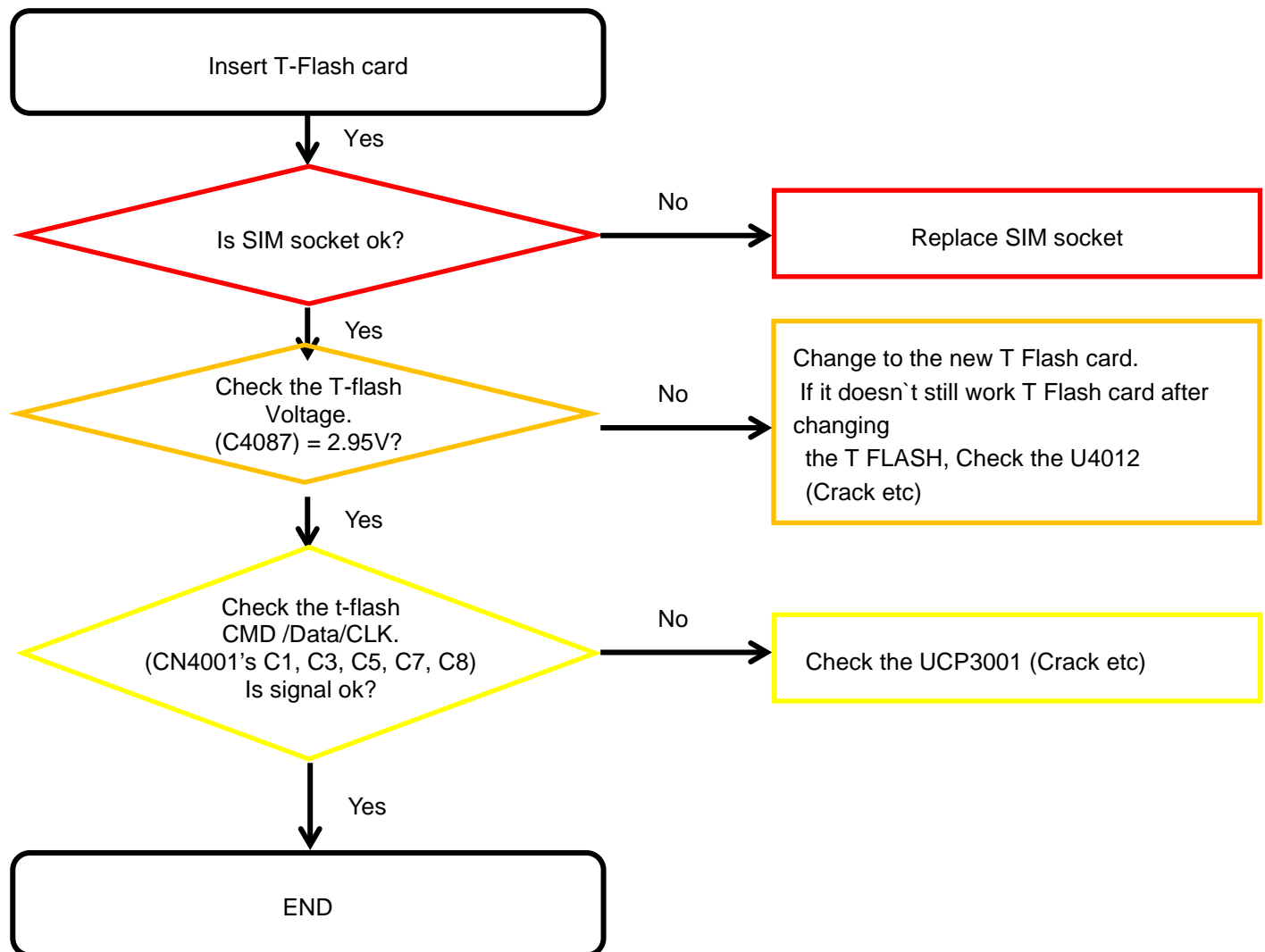
8. Level 3 Repair

8-4-4. SIM Part



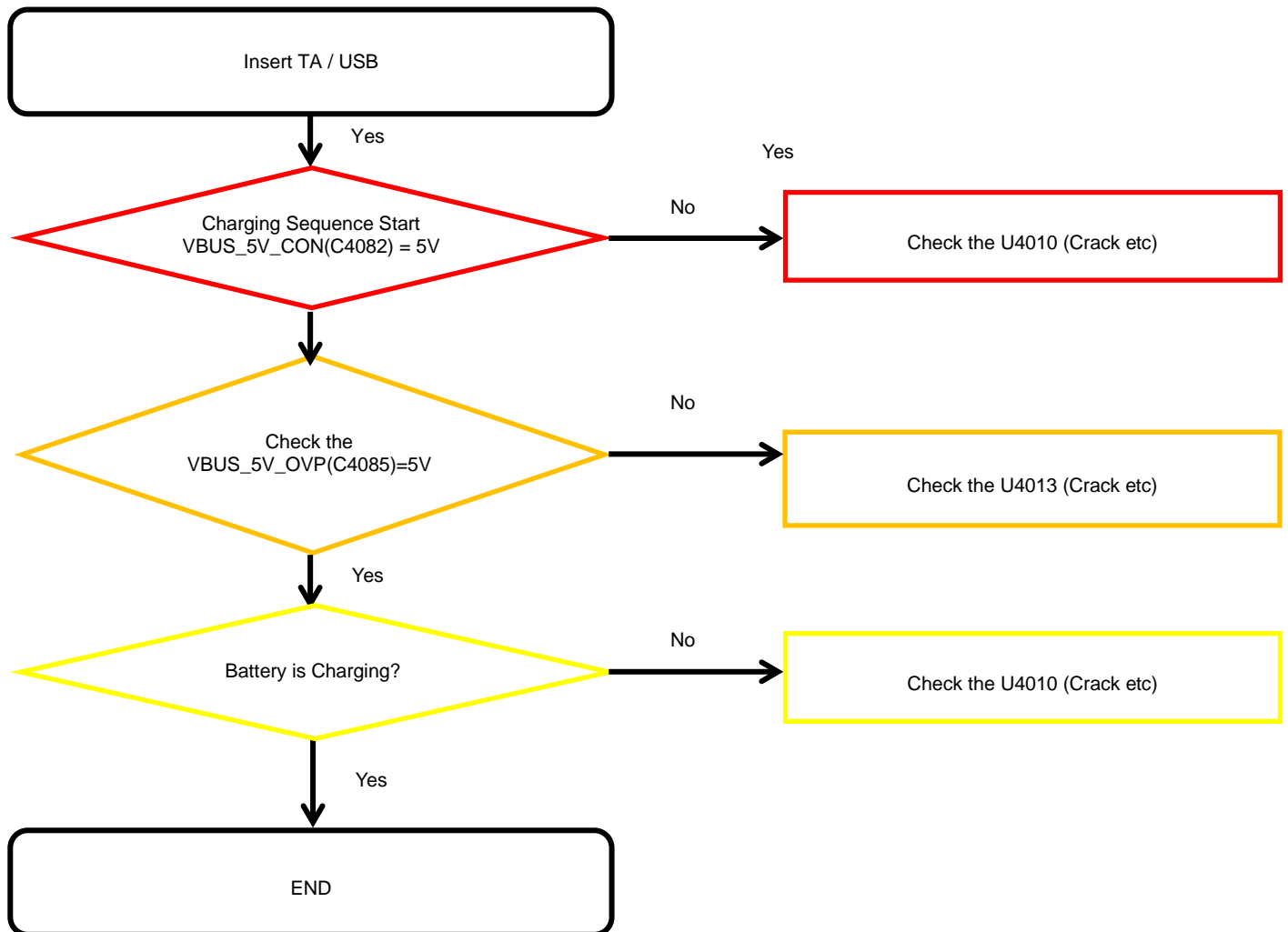
8. Level 3 Repair

8-4-5. T-Flash Part



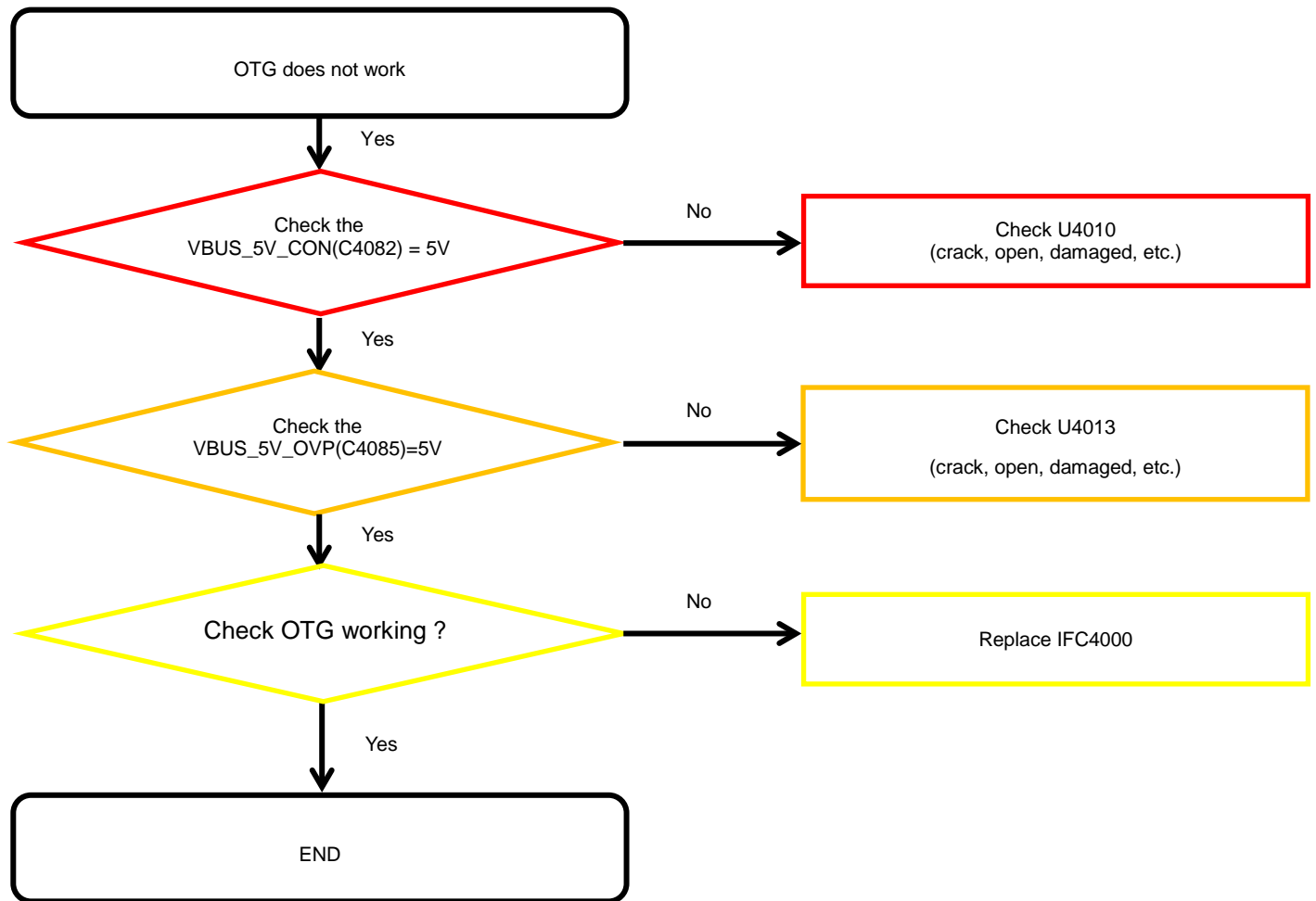
8. Level 3 Repair

8-4-6-1. Cable Charging Part (Normal)



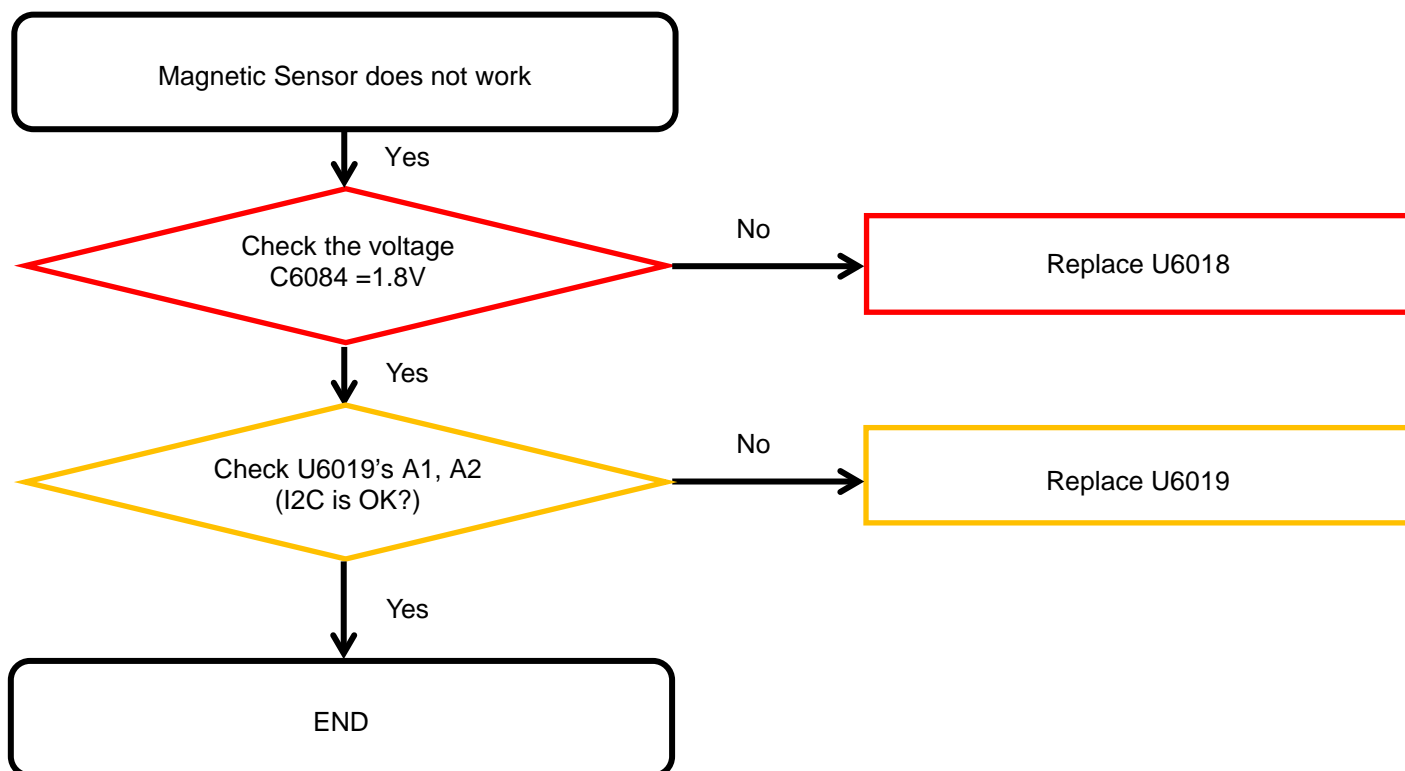
8. Level 3 Repair

8-4-6-2. OTG



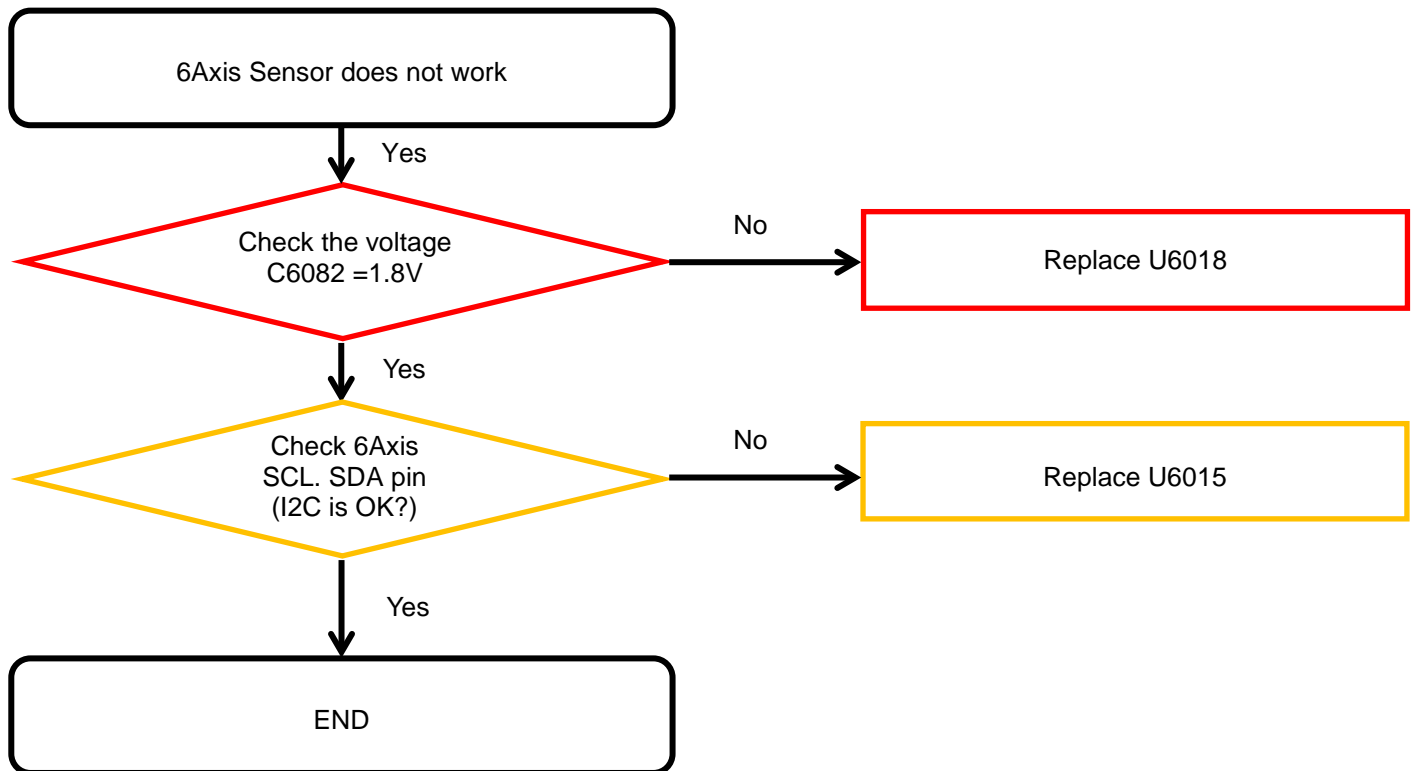
8. Level 3 Repair

8-4-7-1. Magnetic Sensor



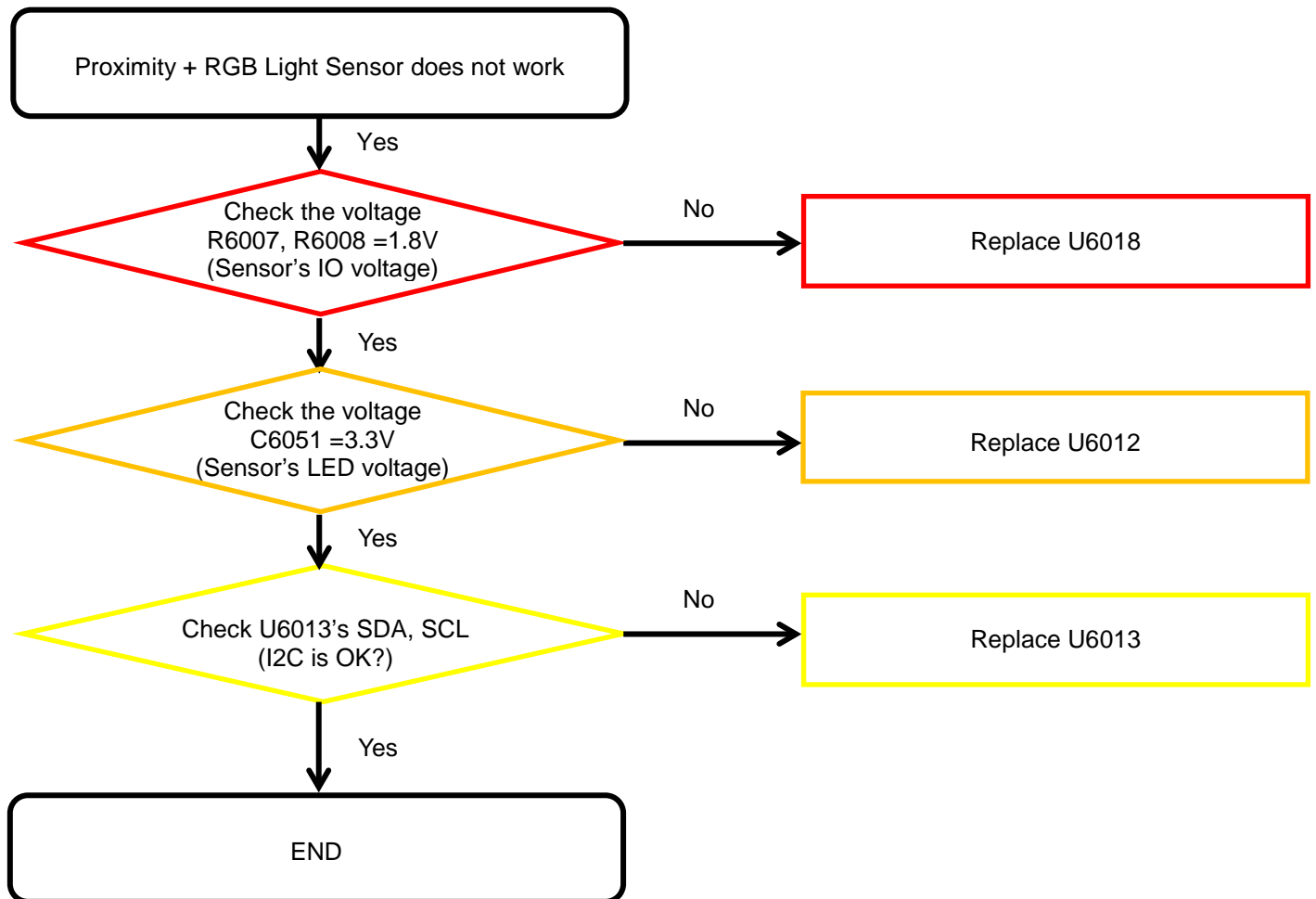
8. Level 3 Repair

8-4-7-2. 6Axis Sensor



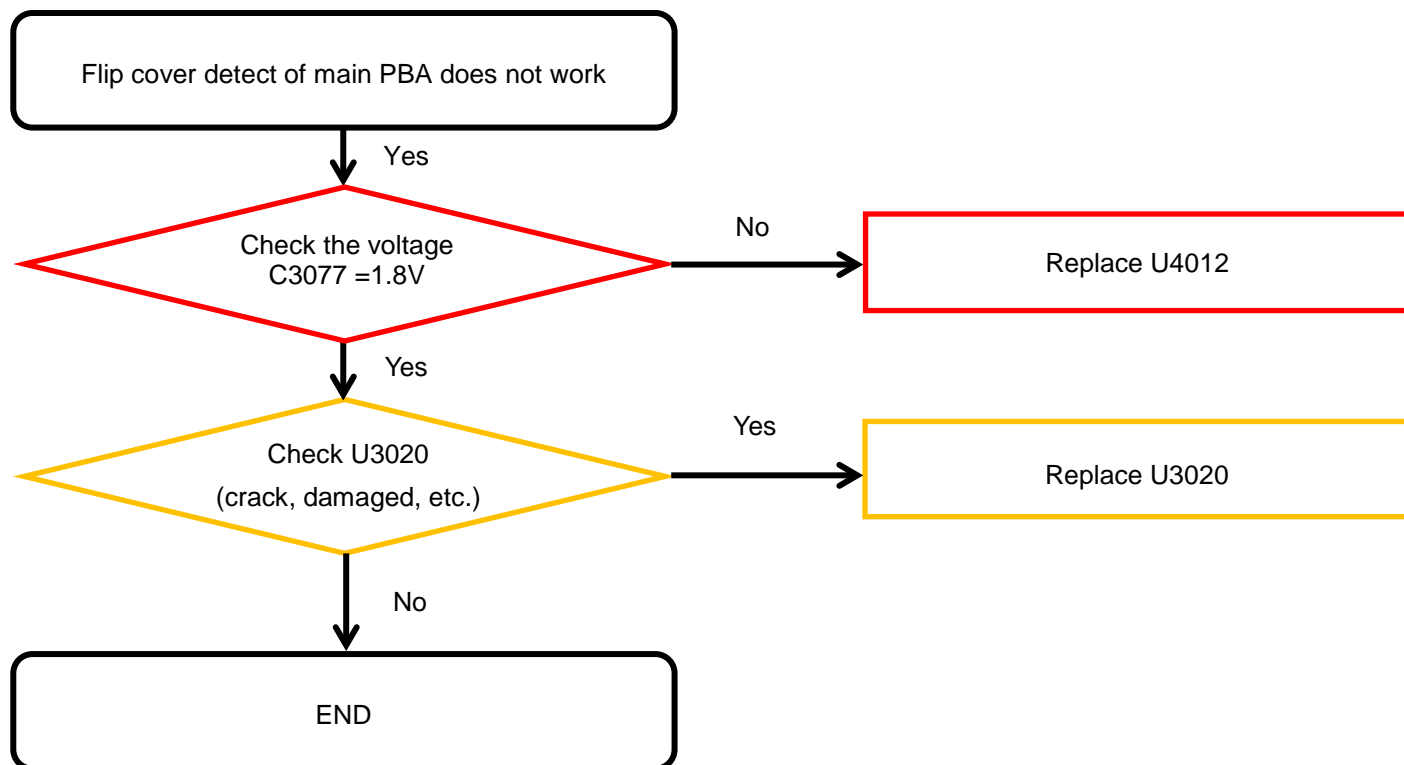
8. Level 3 Repair

8-4-7-3. Proximity sensor



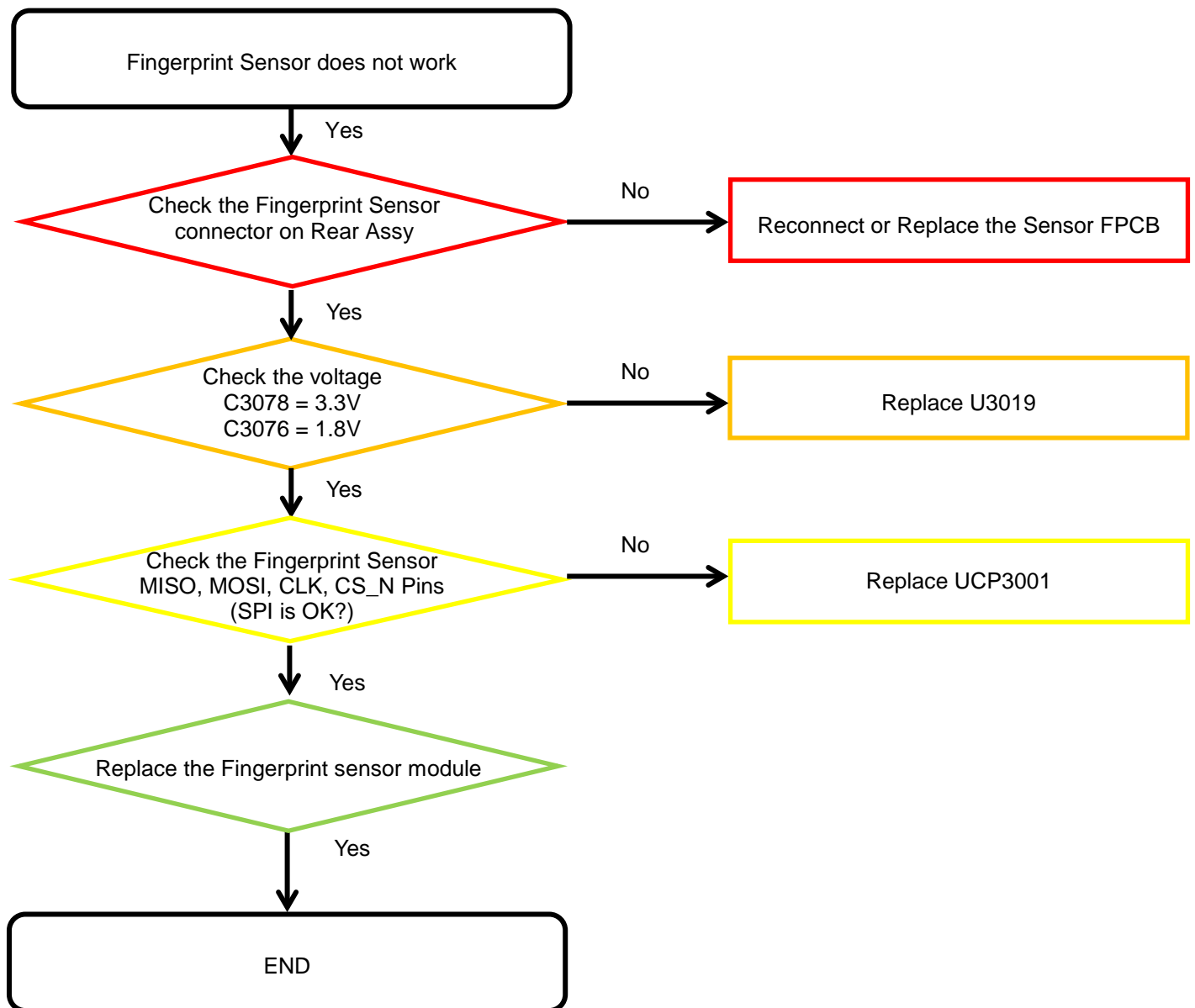
8. Level 3 Repair

8-4-7-4. Flip cover detect



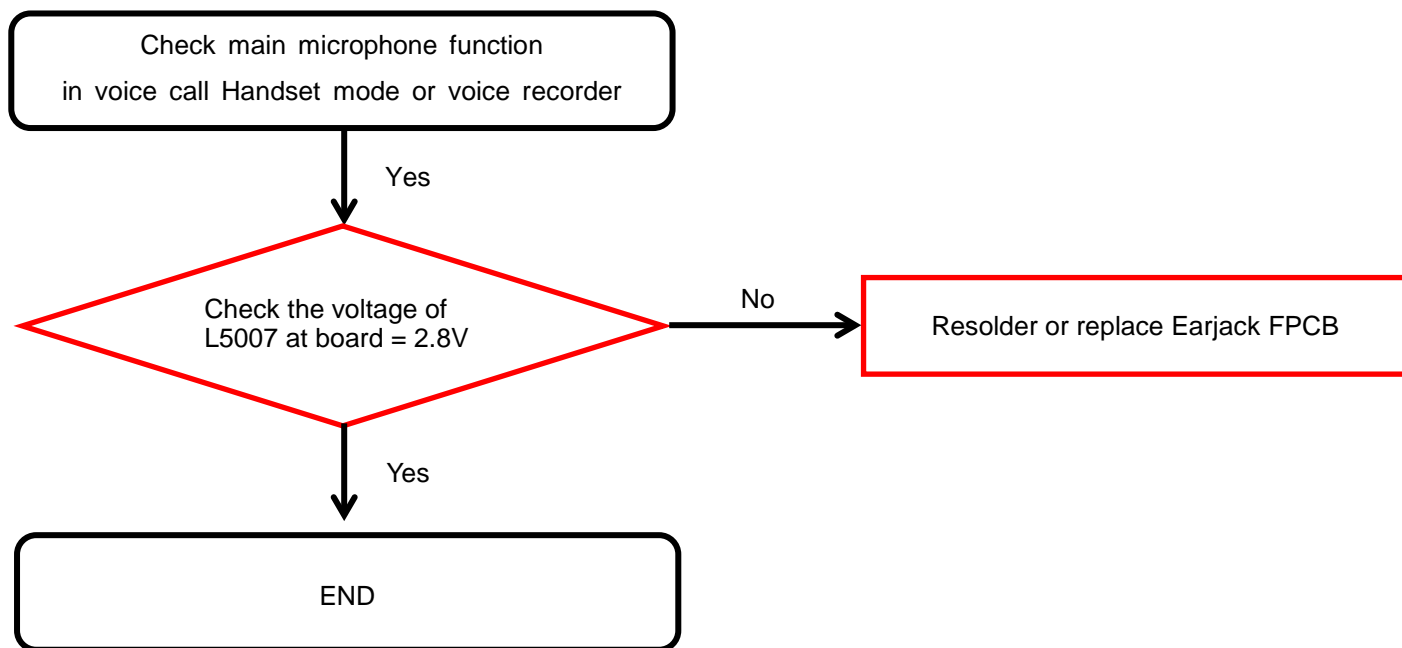
8. Level 3 Repair

8-4-7-5. Fingerprint Sensor



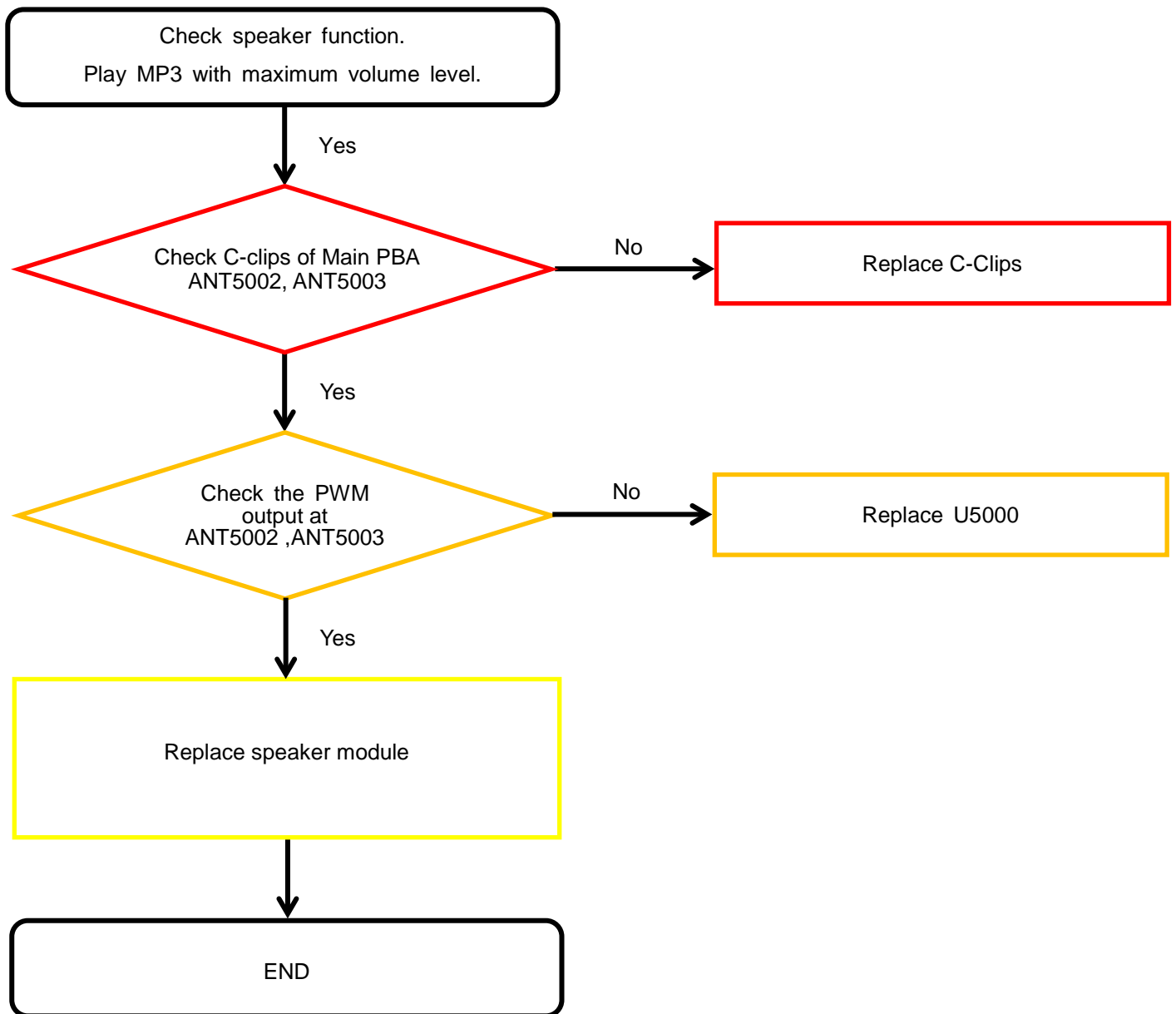
8. Level 3 Repair

8-4-8. Microphone Part - Main MIC



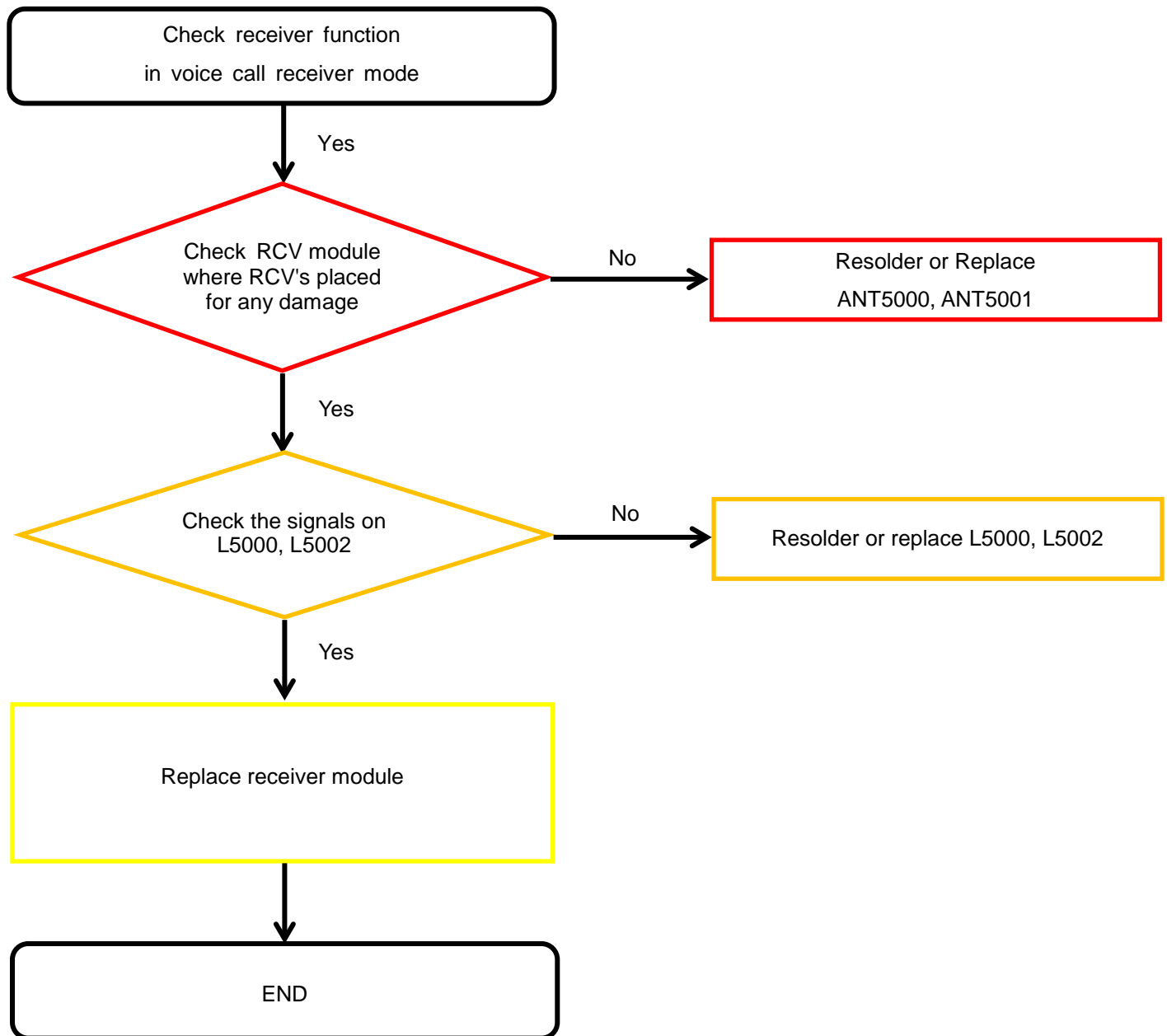
8. Level 3 Repair

8-4-9. Speaker Part



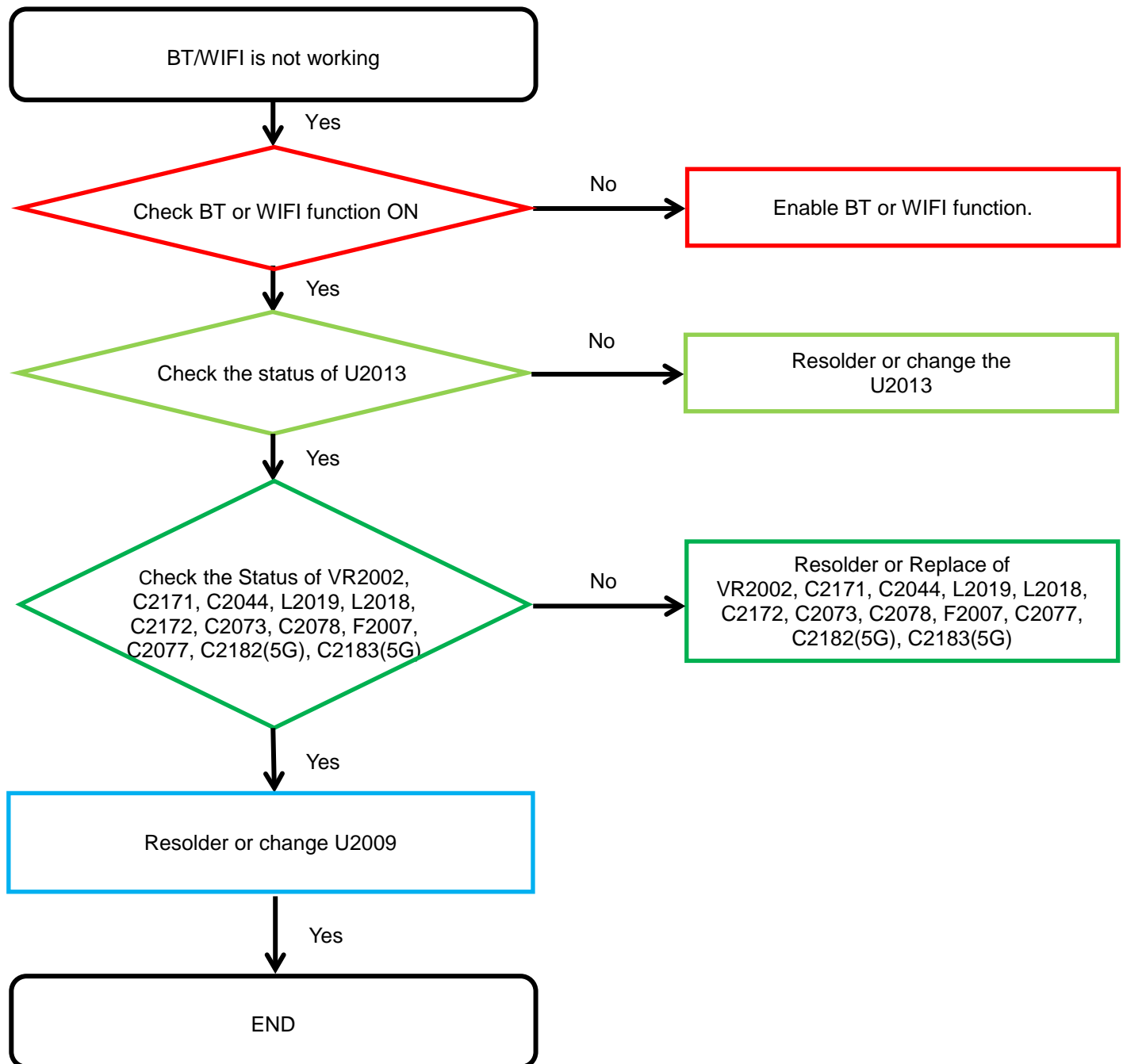
8. Level 3 Repair

8-4-10. Receiver Part



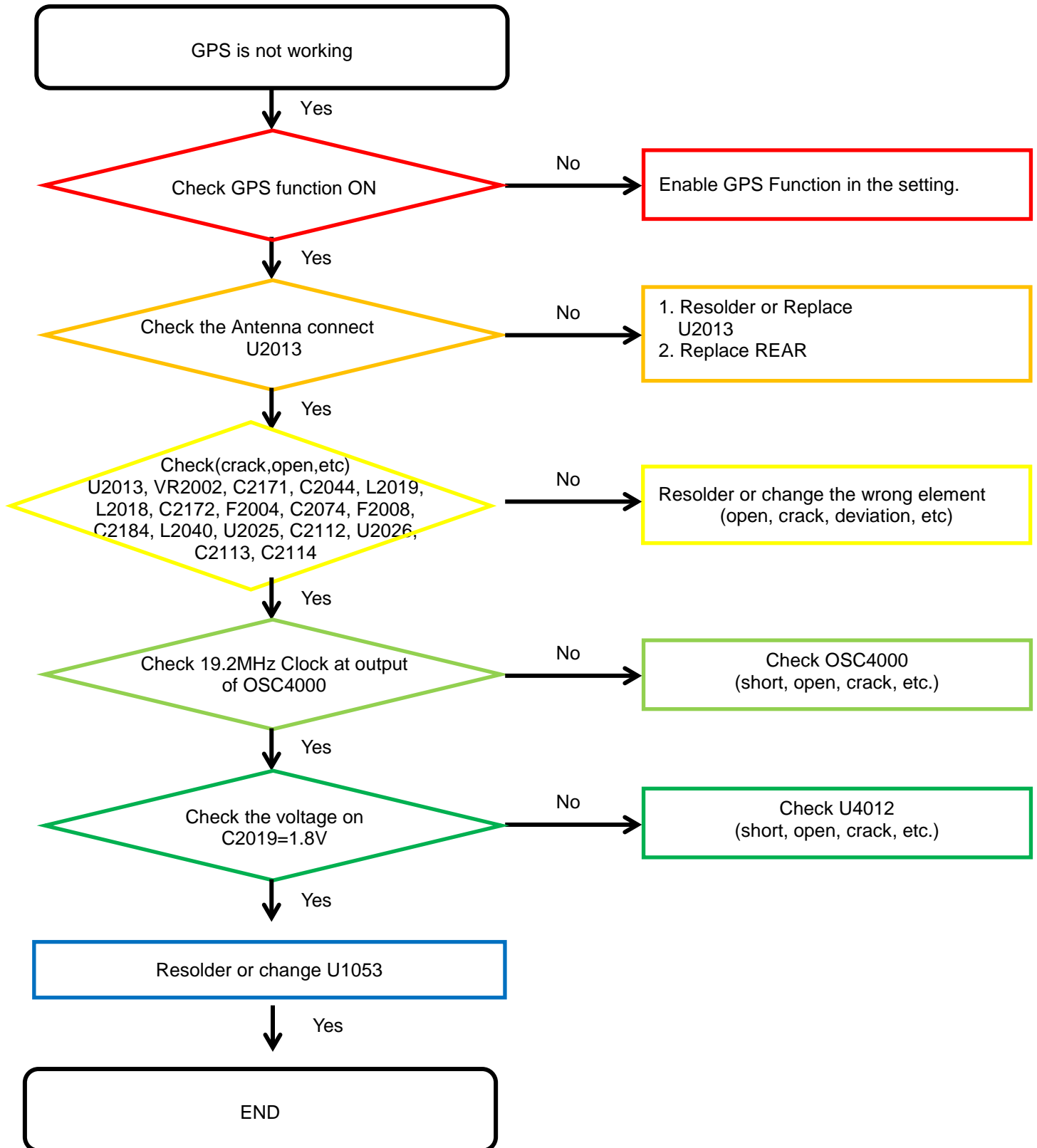
8. Level 3 Repair

8-4-11. BT/WIFI



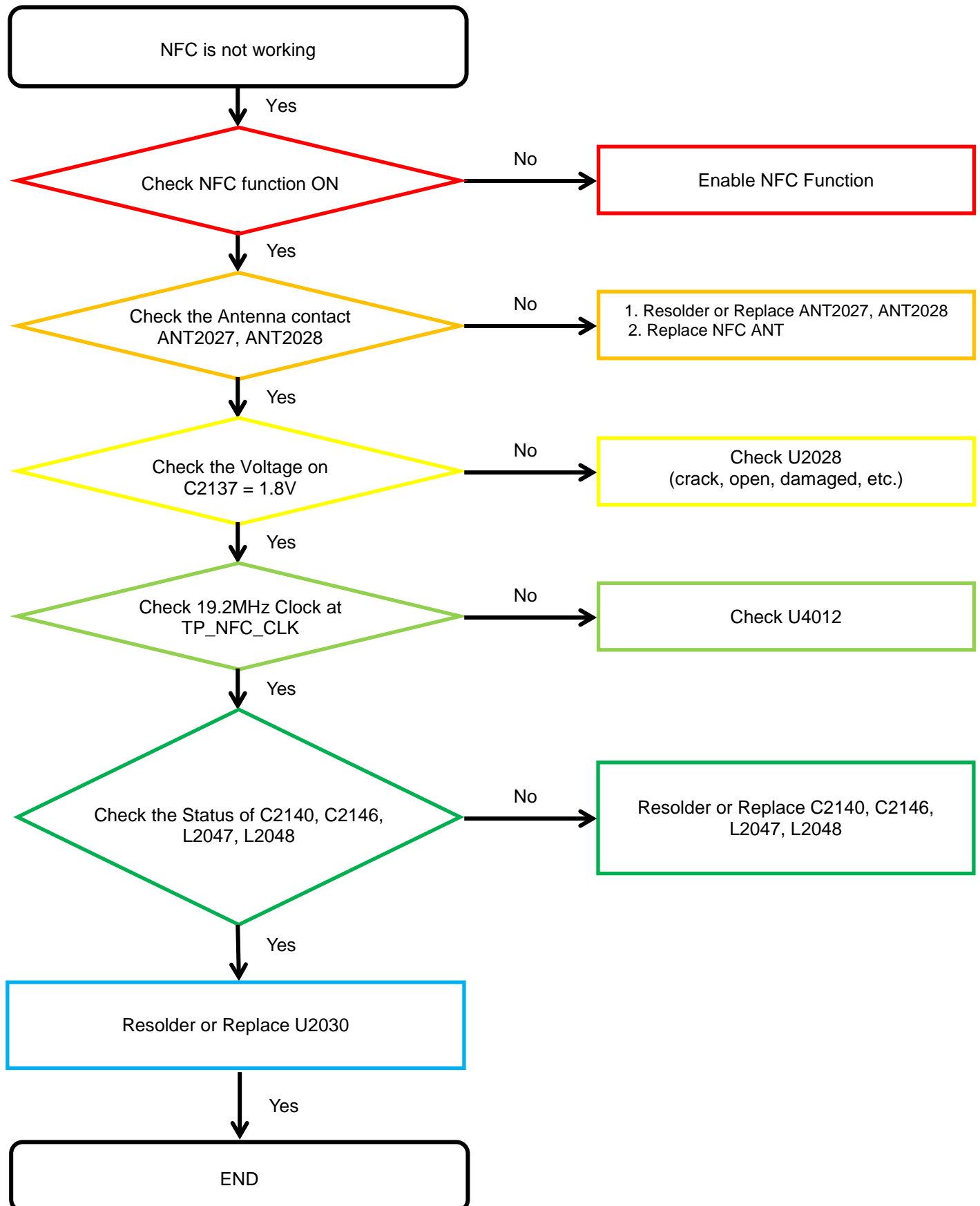
8. Level 3 Repair

8-4-12. GPS



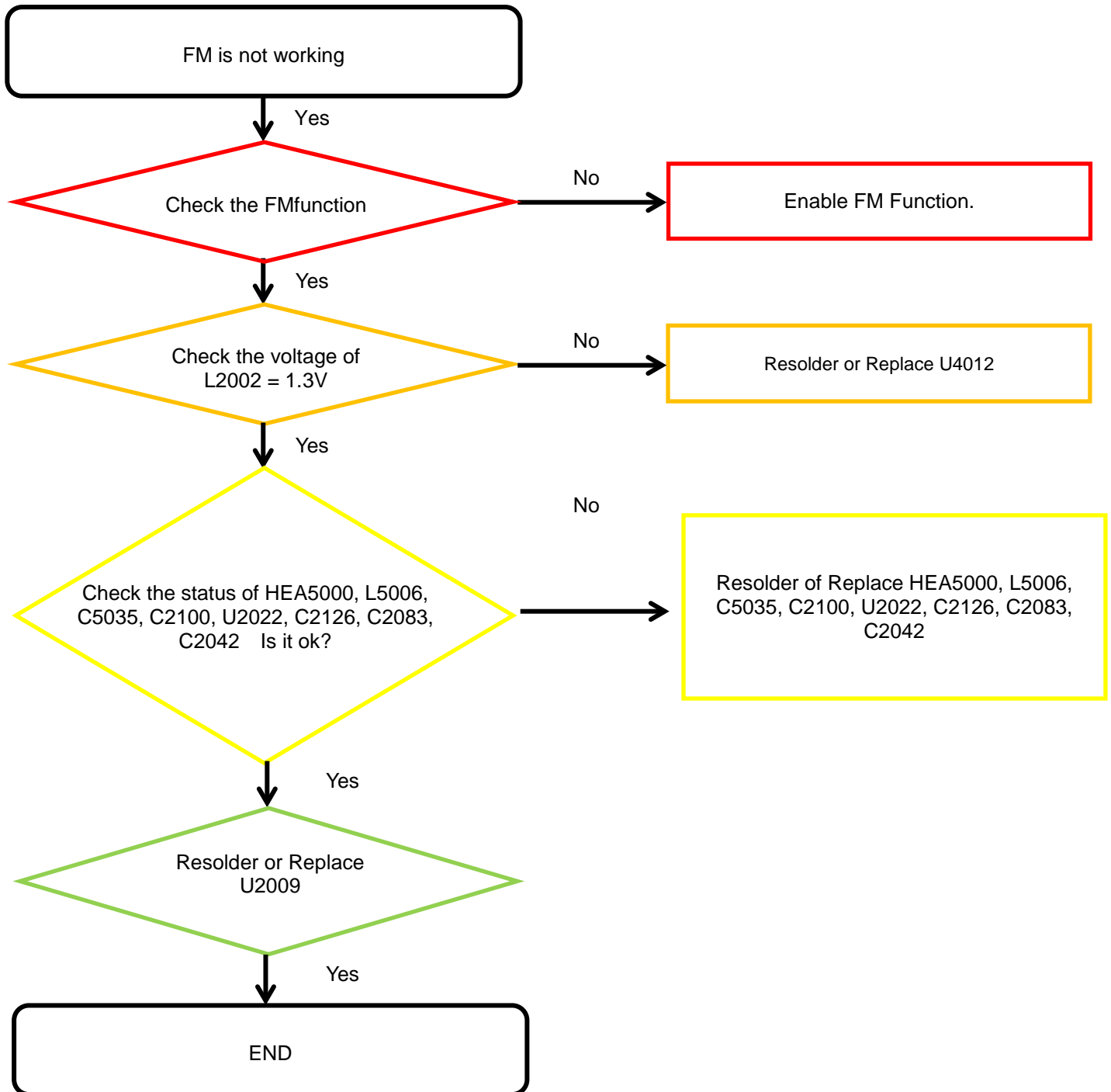
8. Level 3 Repair

8-4-13. NFC



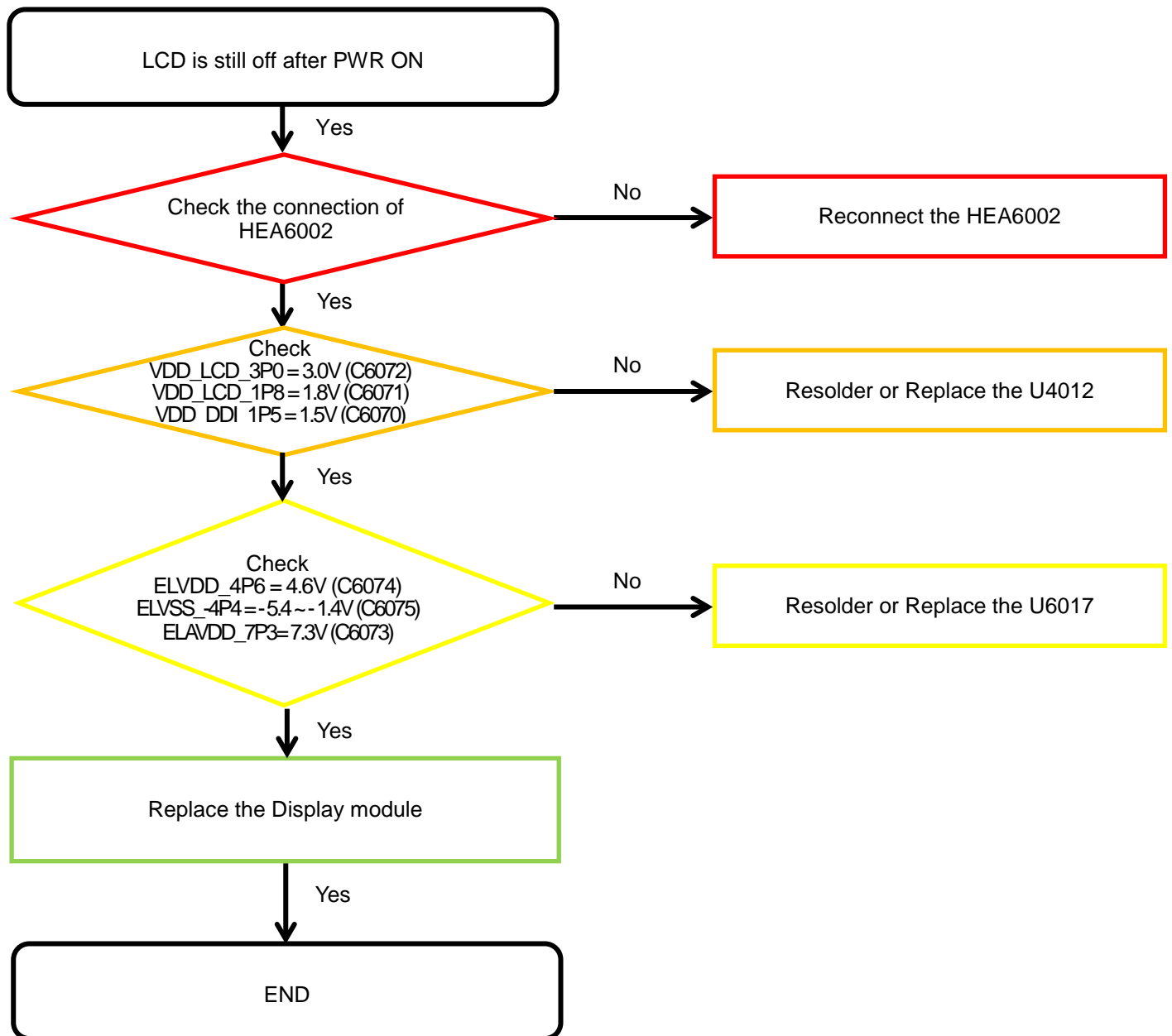
8. Level 3 Repair

8-4-14. FM radio part



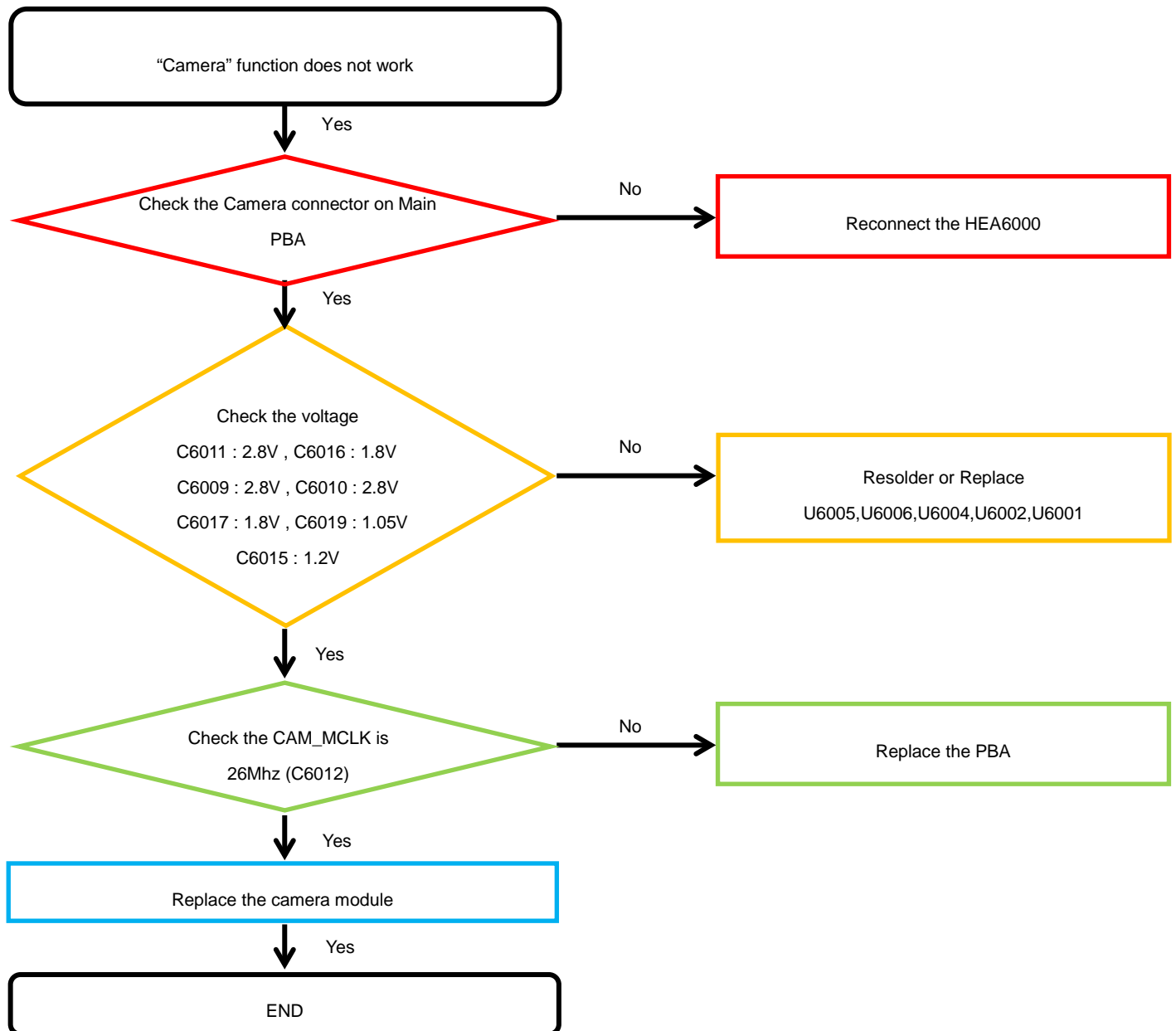
8. Level 3 Repair

8-4-15. Display



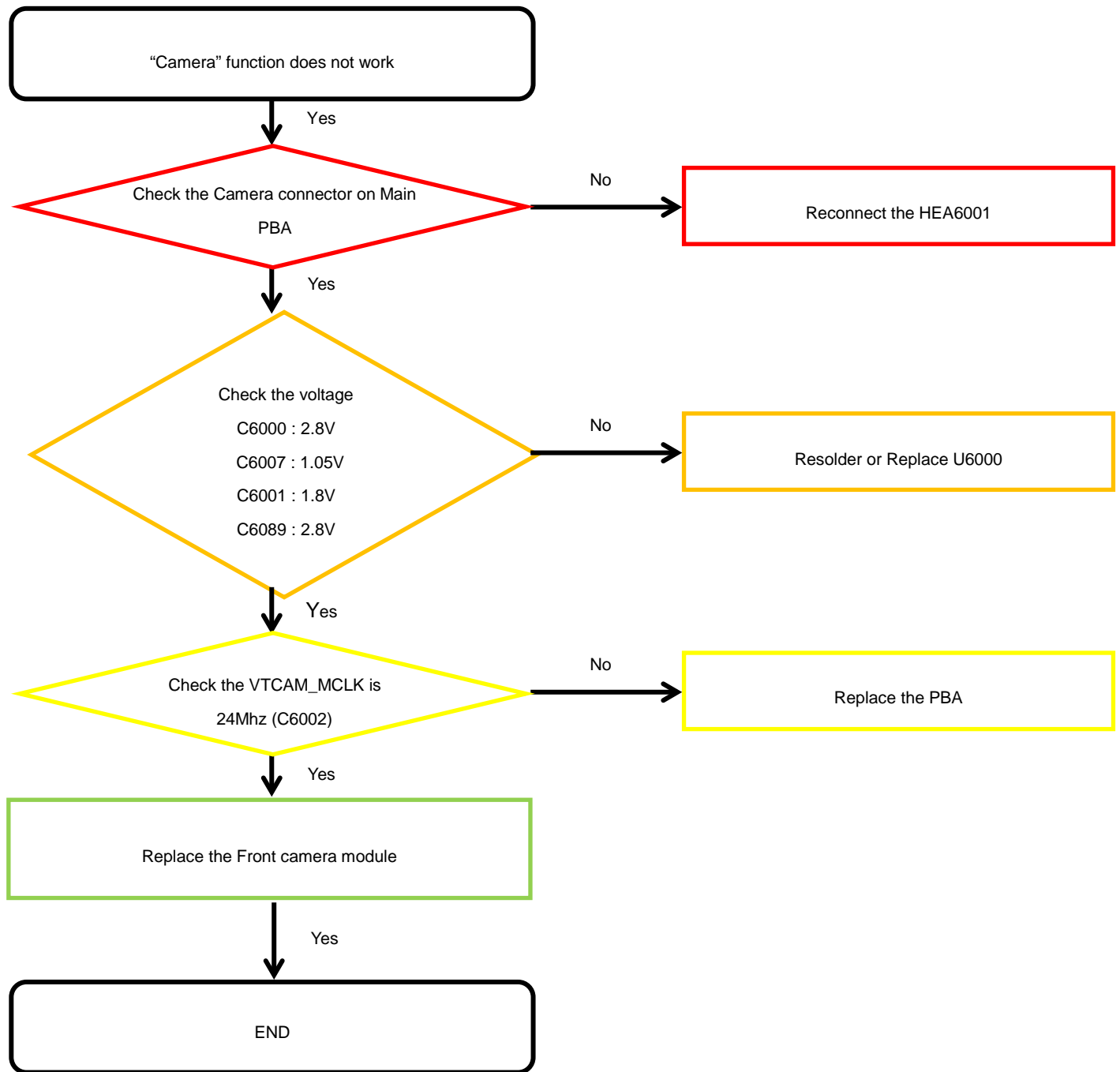
8. Level 3 Repair

8-4-16. DUAL CAMERA



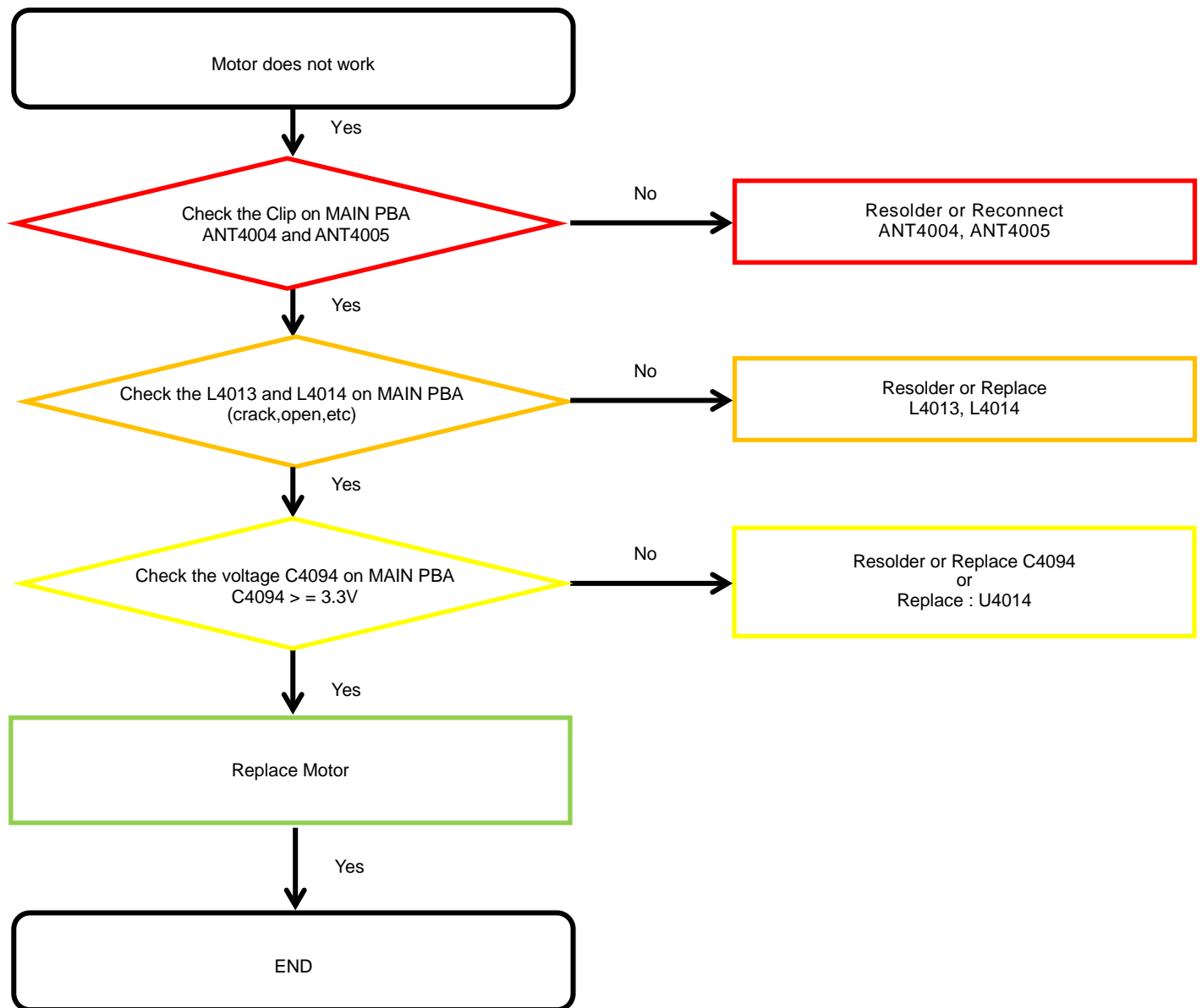
8. Level 3 Repair

8-4-17. VT CAMERA



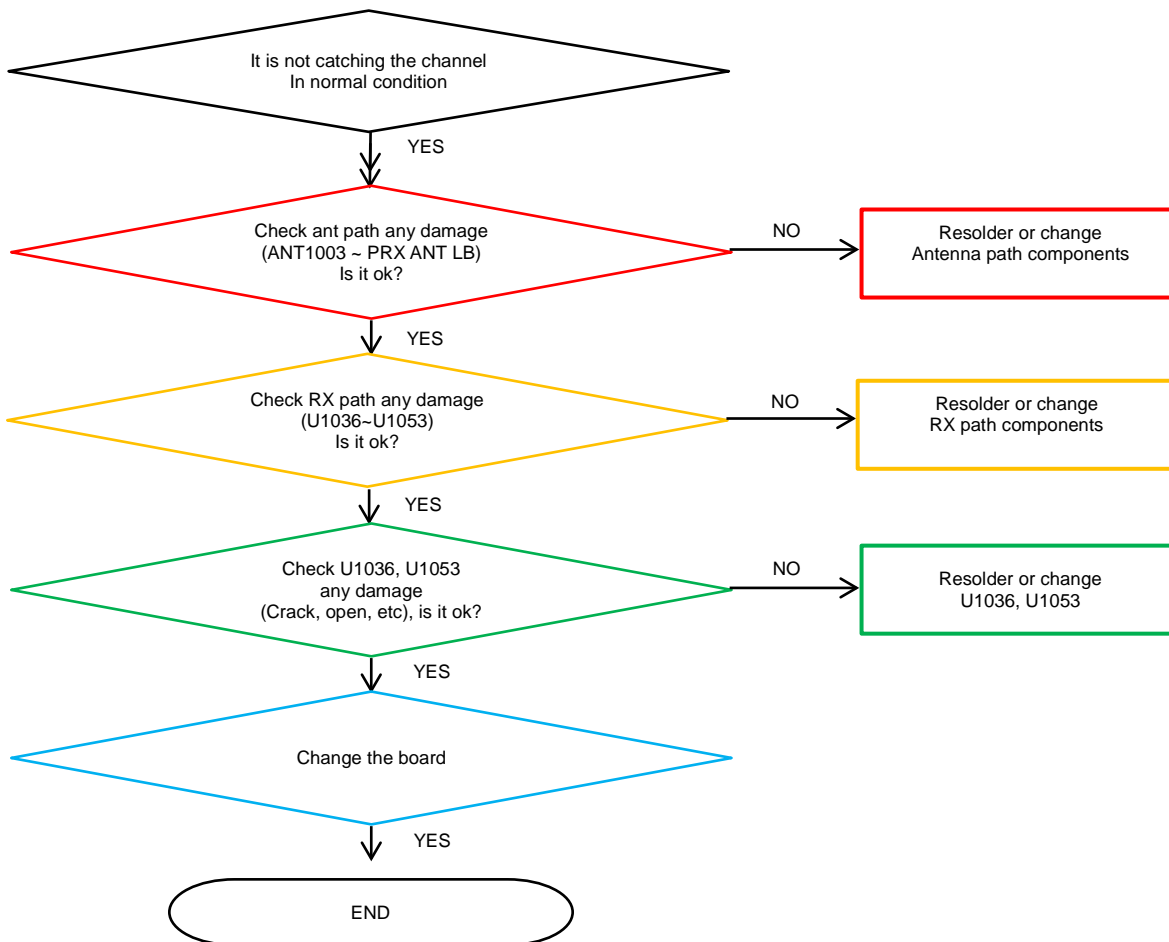
8. Level 3 Repair

8-4-18. Motor



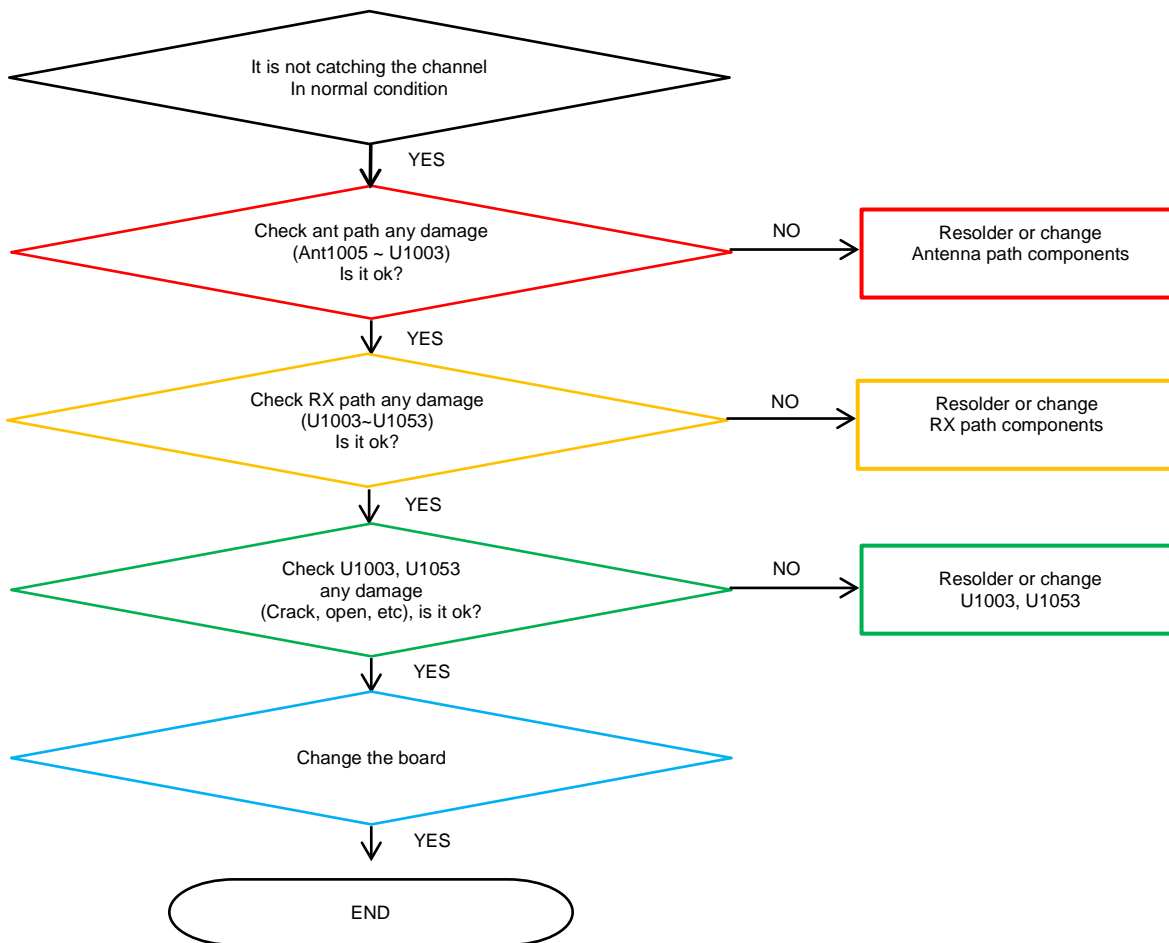
8. Level 3 Repair

8-4-19. CDMA BC0, GSM 850/900, WCDMA B5/8, LTE B5/8/12/13/17/20/28 PRx



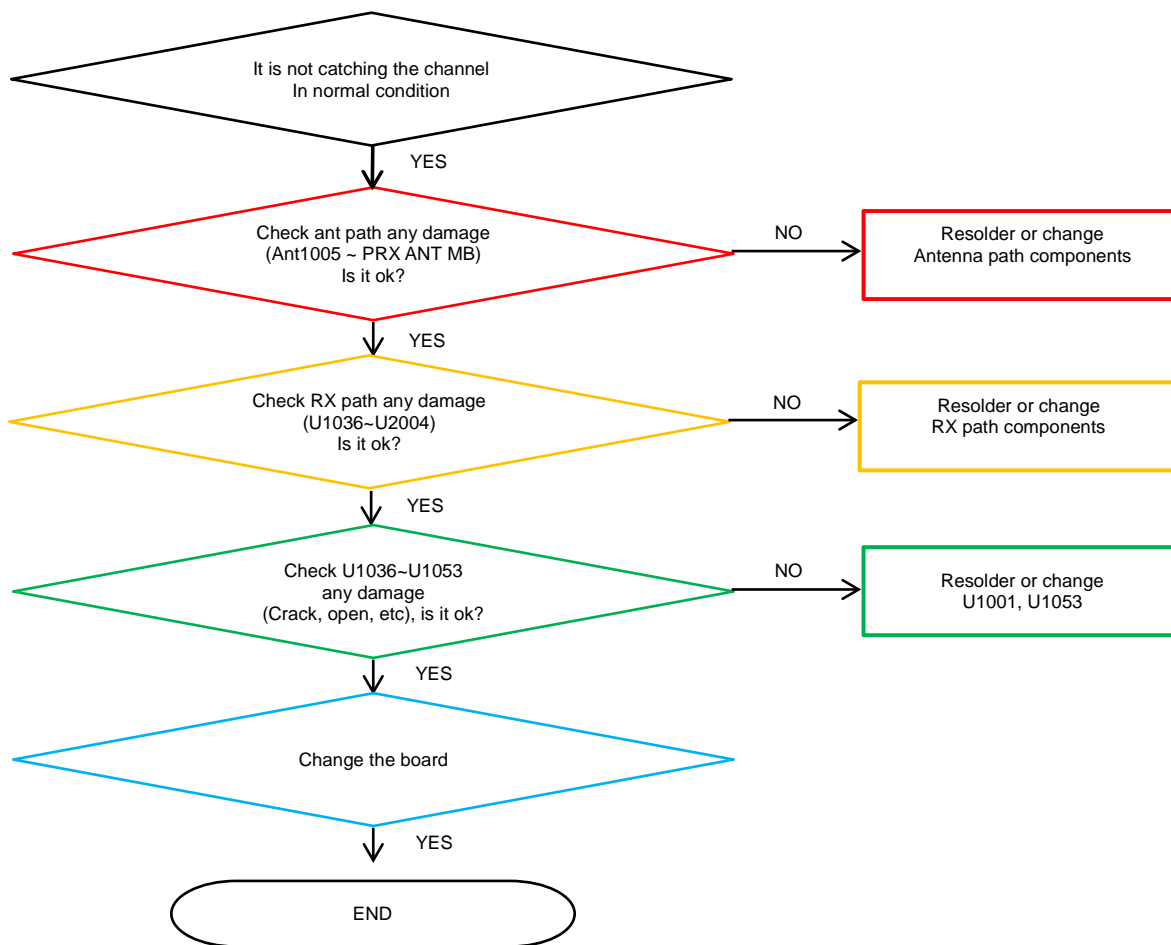
8. Level 3 Repair

8-4-20. LTE B7/38/40/41 PRx



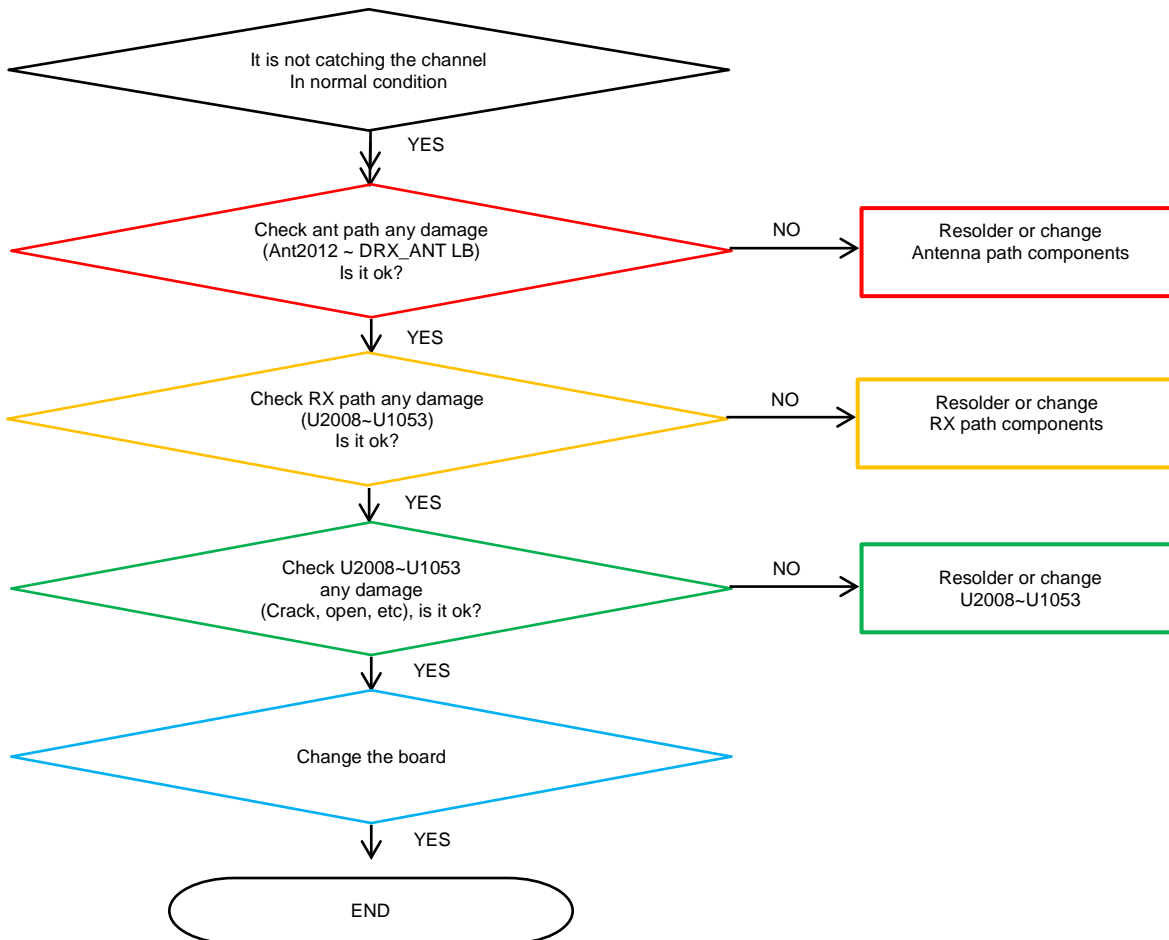
8. Level 3 Repair

8-4-21. GSM DCS/PCS, WCDMA B1/2/4, TD-SDMA B34/39, LTE B1/2/3/4/34/66 PRx



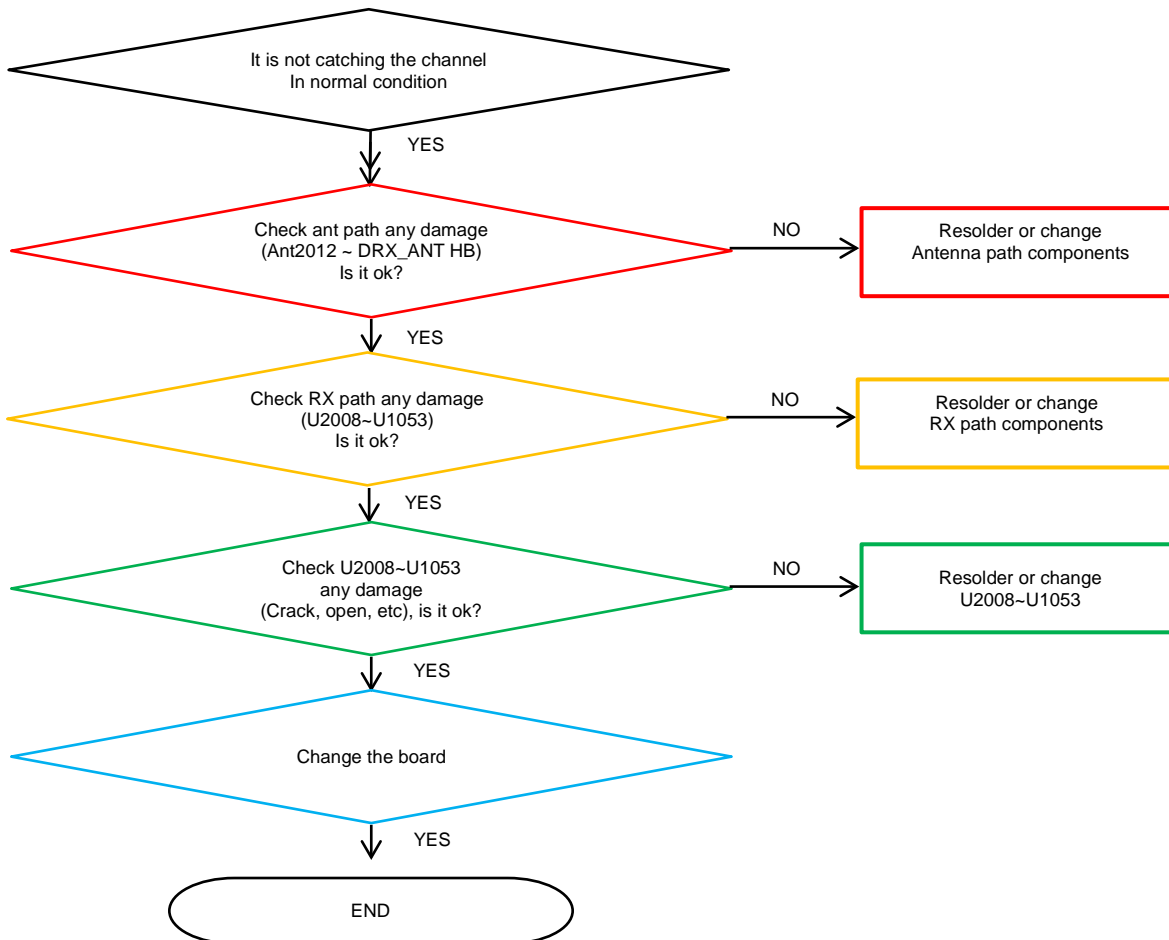
8. Level 3 Repair

8-4-22. CDMA BC0, GSM 850/900, WCDMA B5/8, LTE B5/8/12/13/17/20/28 DRx



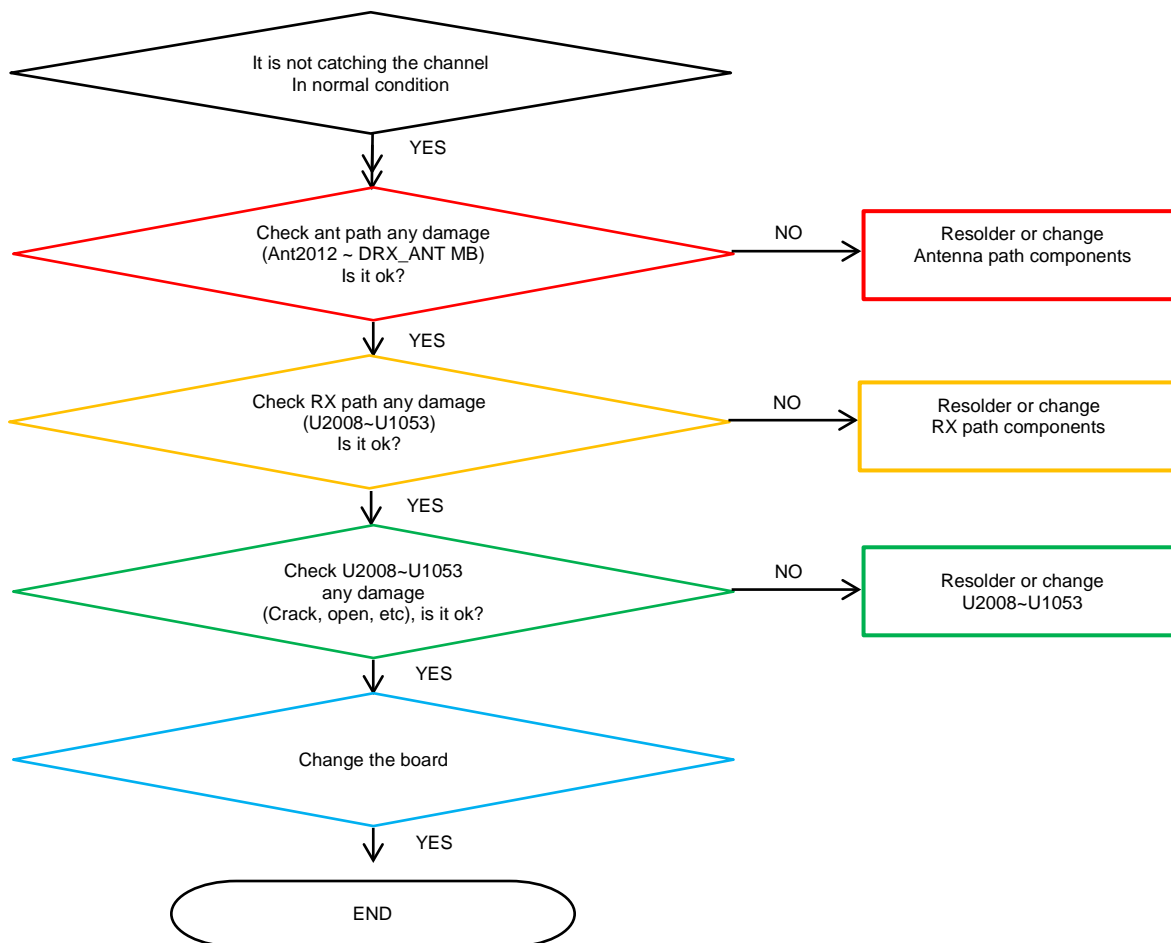
8. Level 3 Repair

8-4-23. LTE B7/38/40/41 DRx



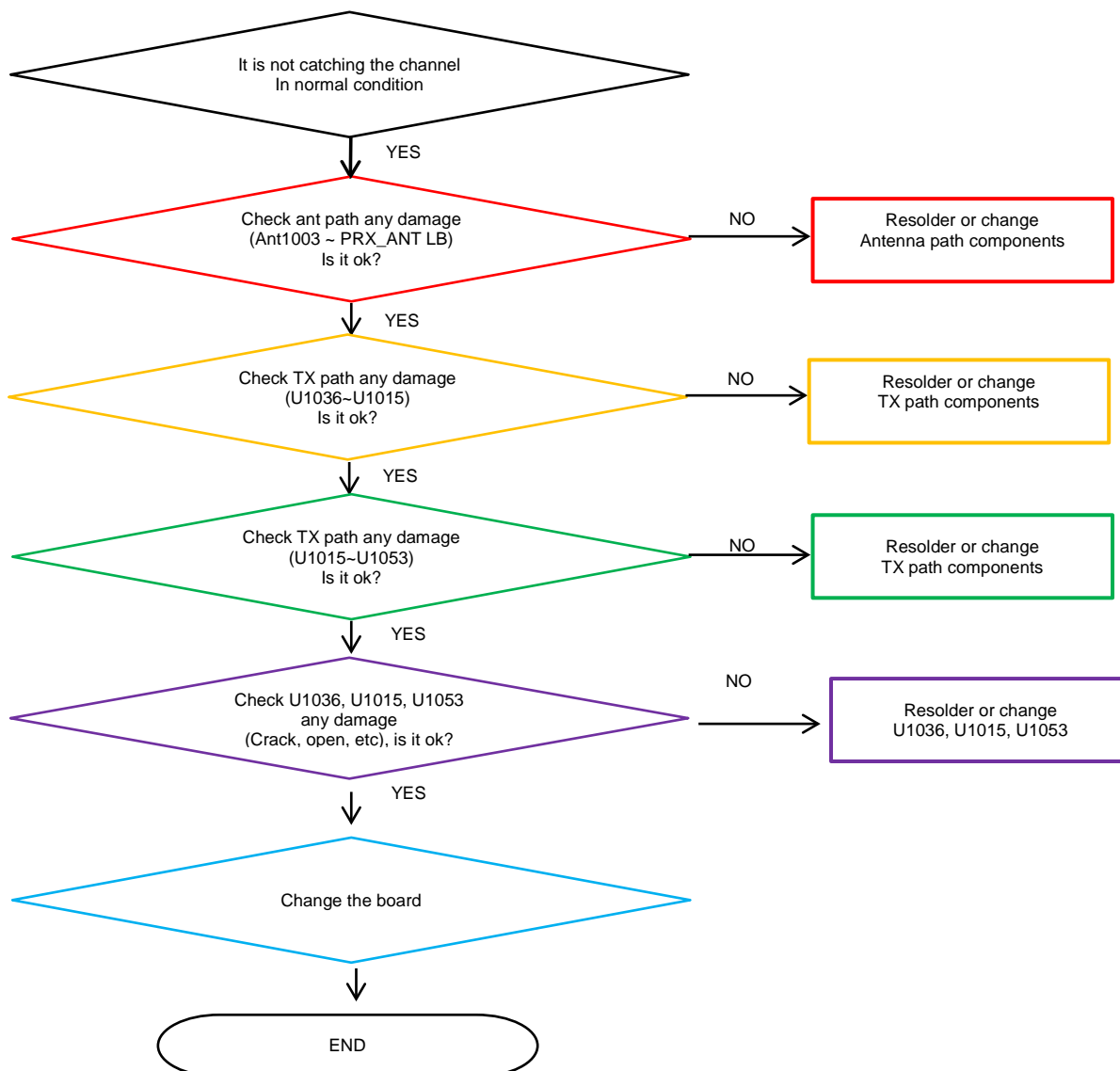
8. Level 3 Repair

8-4-24. GSM DCS/PCS, WCDMA B1/2/4, TD-SDMA B34/39, LTE B1/2/3/4/34/66 DRx



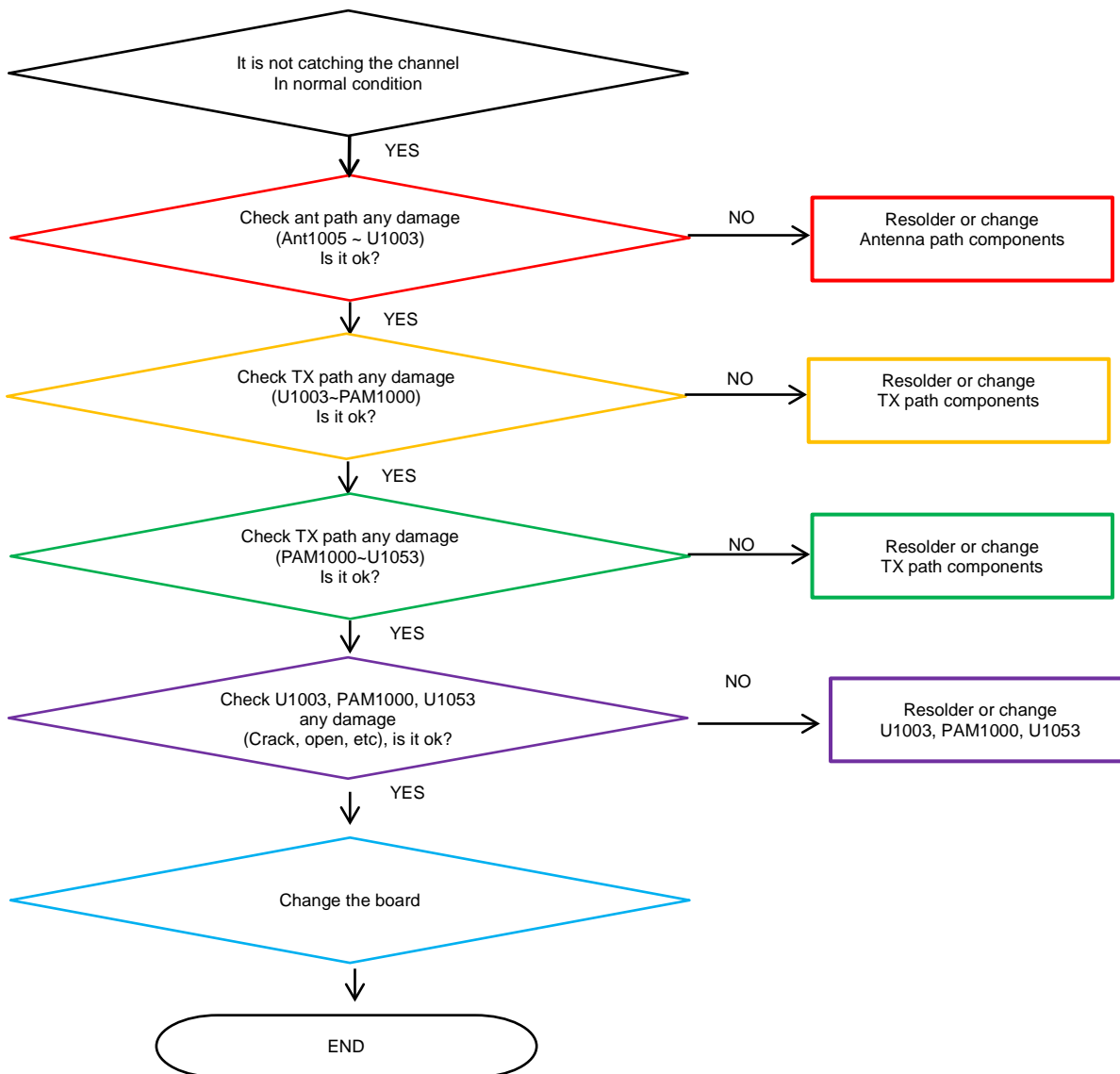
8. Level 3 Repair

8-4-25. CDMA BC0, GSM 850/900, WCDMA B5/8, LTE B5/8/12/13/17/20/28 TX



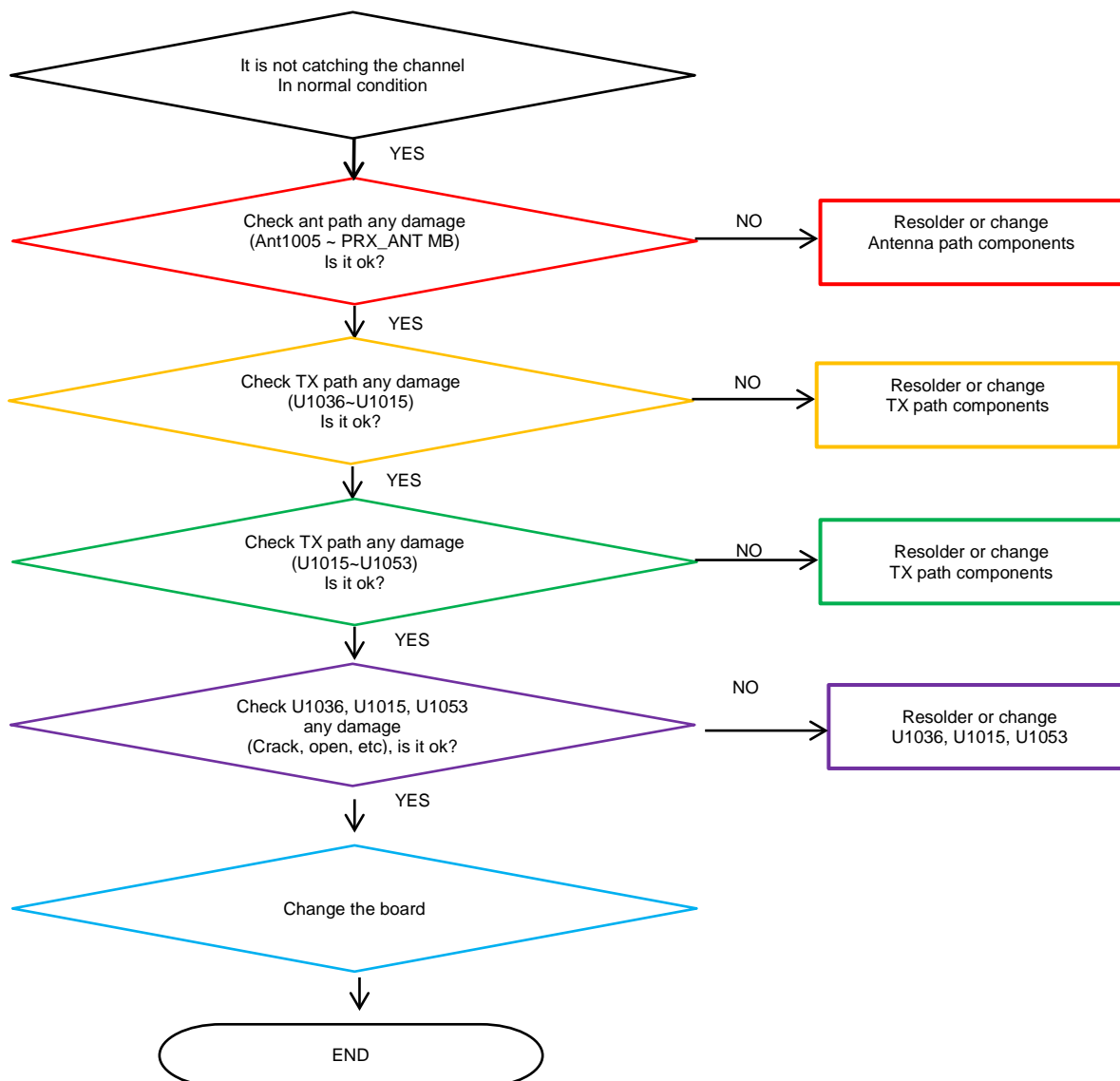
8. Level 3 Repair

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



8. Level 3 Repair

8-4-27. GSM DCS/PCS, WCDMA B1/2/4, TD-SCDMA B34/39, LTE B1/2/3/4/34/66 Tx



- AP Top view

[illegible]