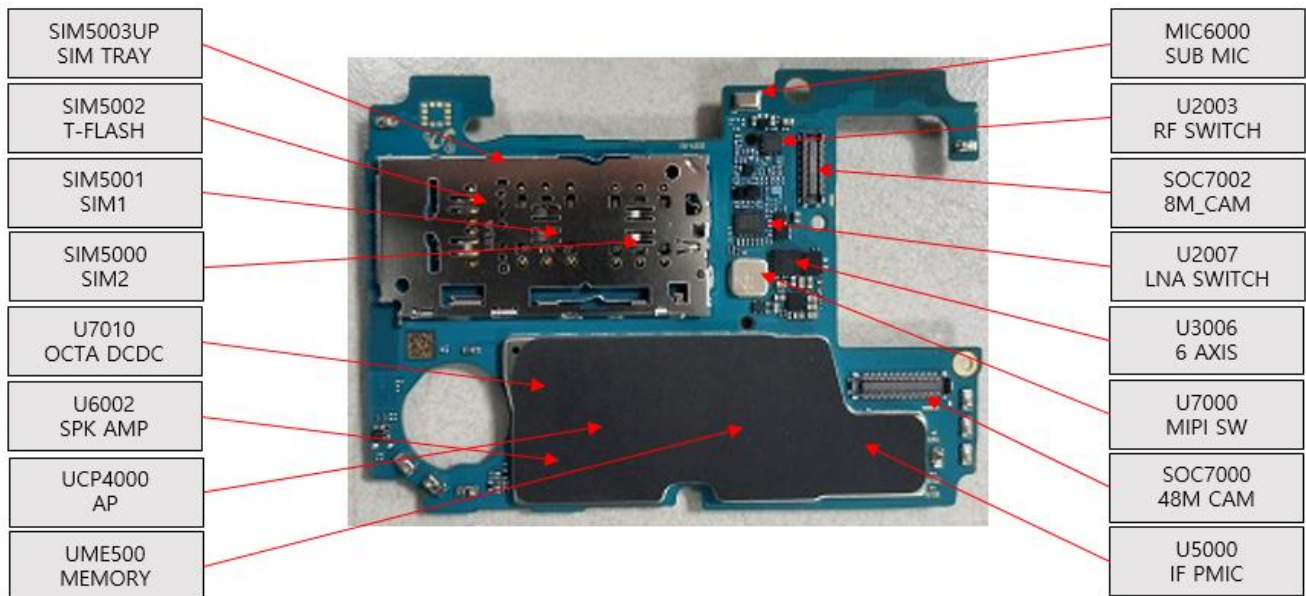
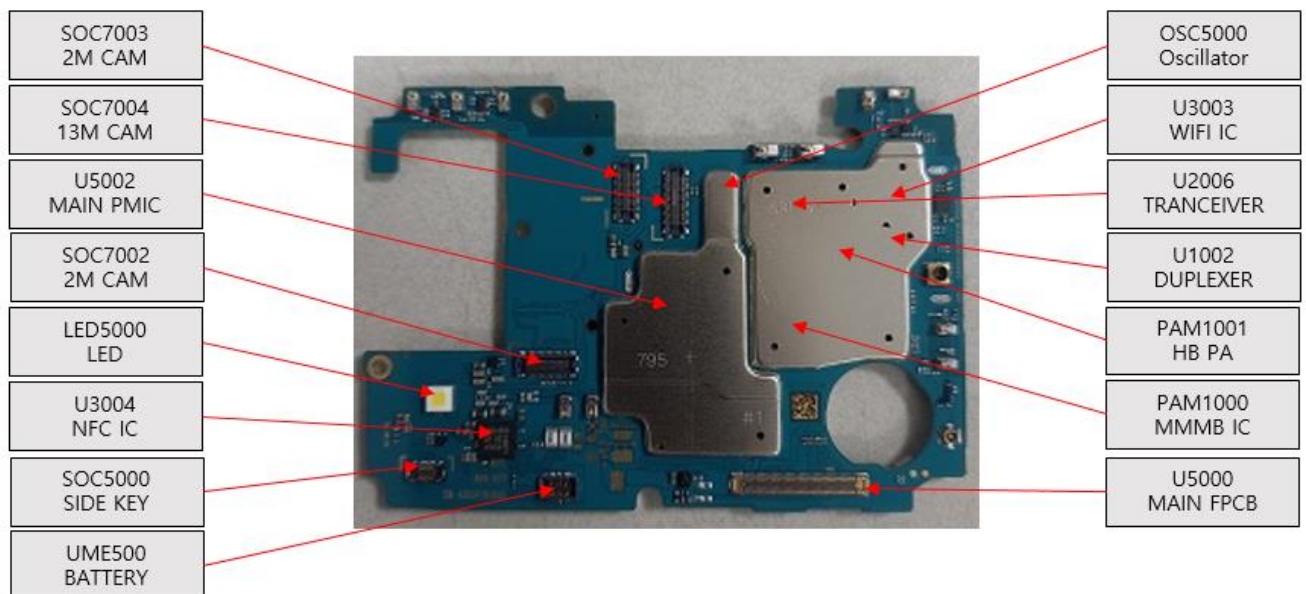

8. Level 3 Repair

8-1. Components Layout

Main PBA Top

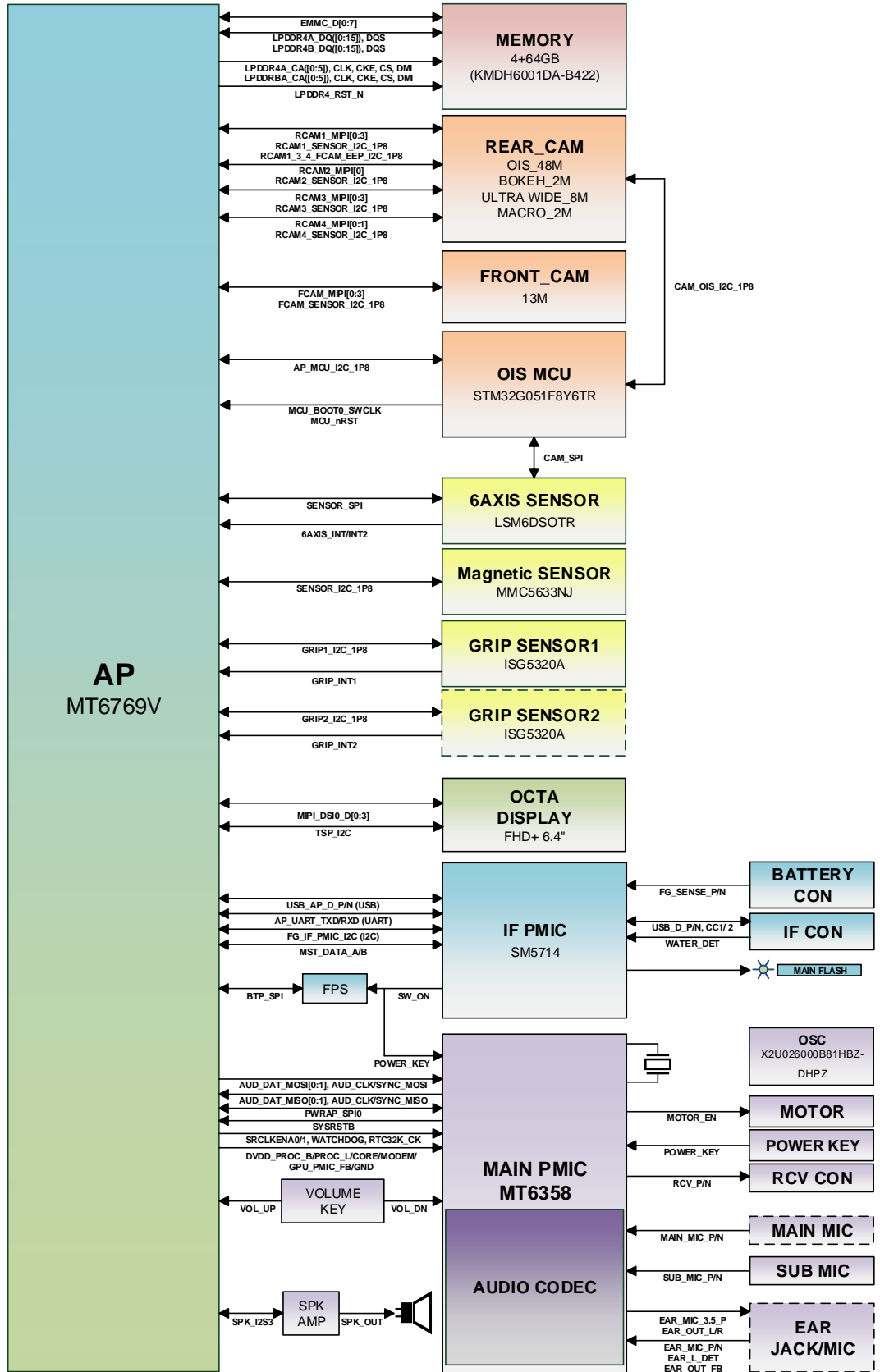


Main PBA Bot

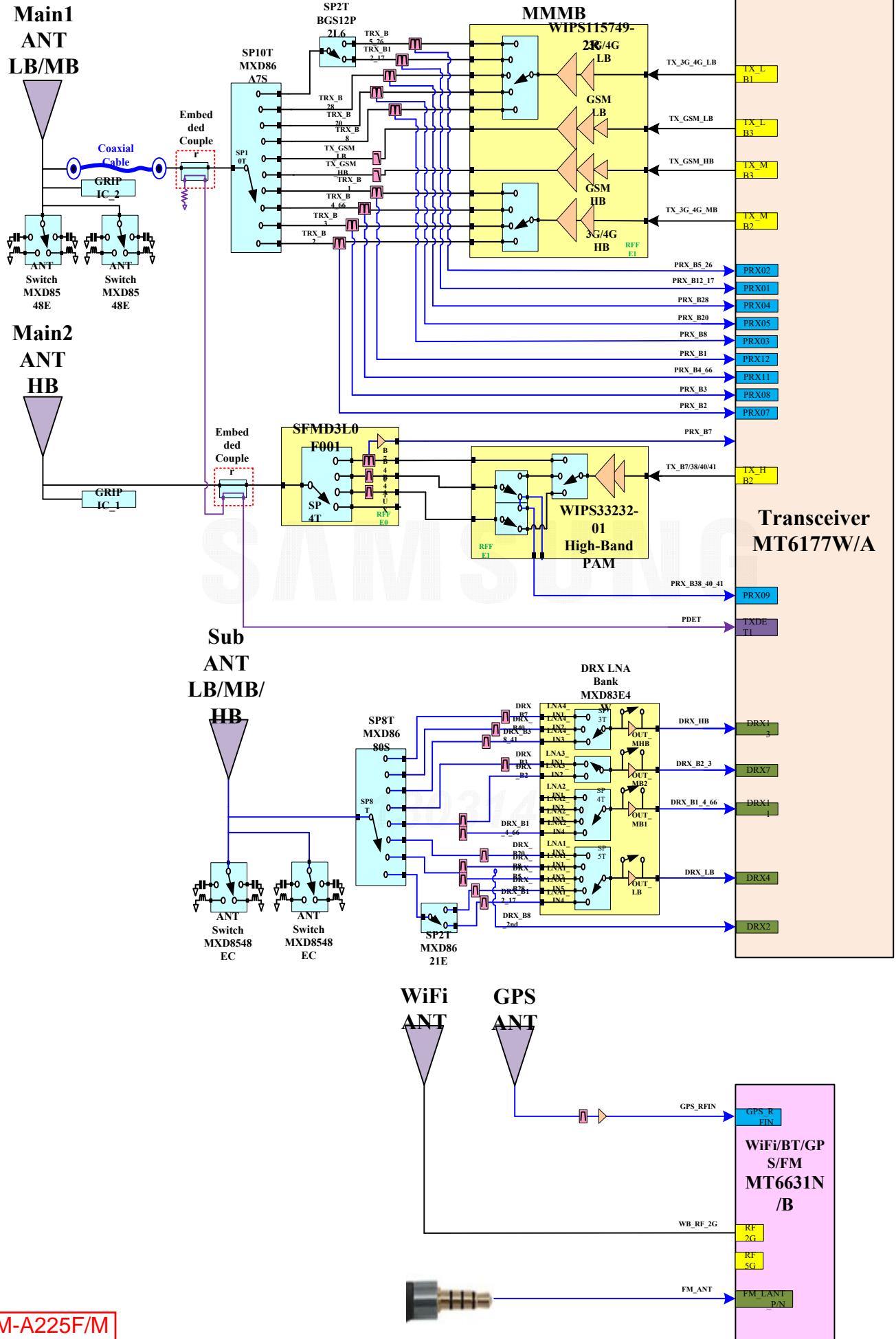


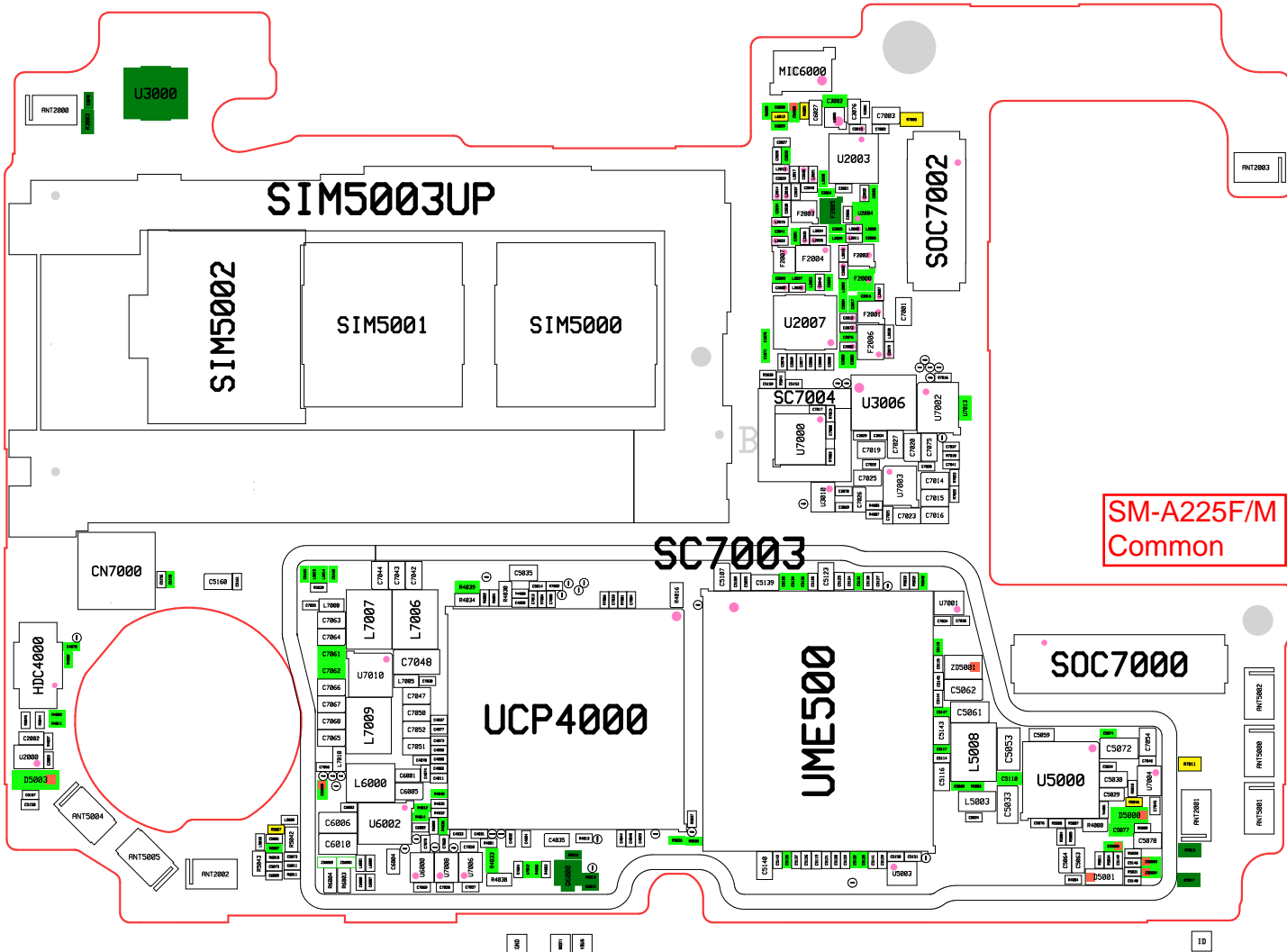
SM-A225F_REV01 Block Diagram (BB)

SM-A225F/M
Common



SM-A225F_RF





SM-A225F/M
Common

BH7000

LEJ5000

SOC5000

SOC7001

SOC5001

SOC7003

SOC7004

SC7000

U5002

SC7001

PAM1000

SOC6000

CN7001

U3003

U2006

U1002

RFS1000

RFS1001

PNT1001

PNT1002

PNT1003

PNT1004

PNT1005

PNT1006

PNT1007

PNT1008

PNT1009

PNT1010

PNT1011

PNT1012

PNT1013

PNT1014

PNT1015

PNT1016

PNT1017

PNT1018

PNT1019

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PNT1282

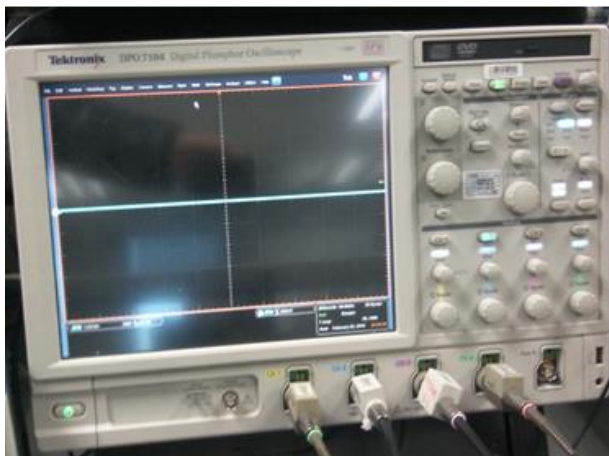
PNT1283

PNT1284

PNT1285

8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



Oscilloscope



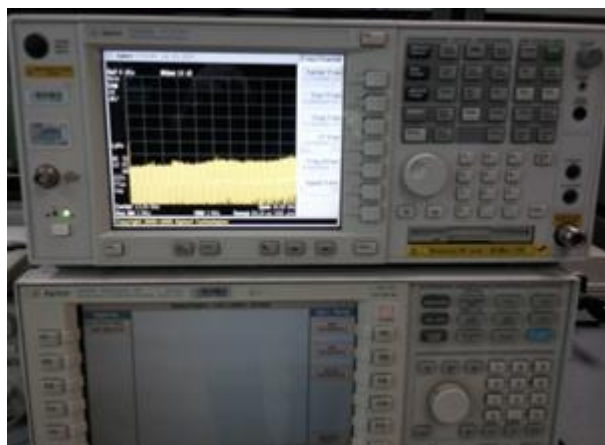
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



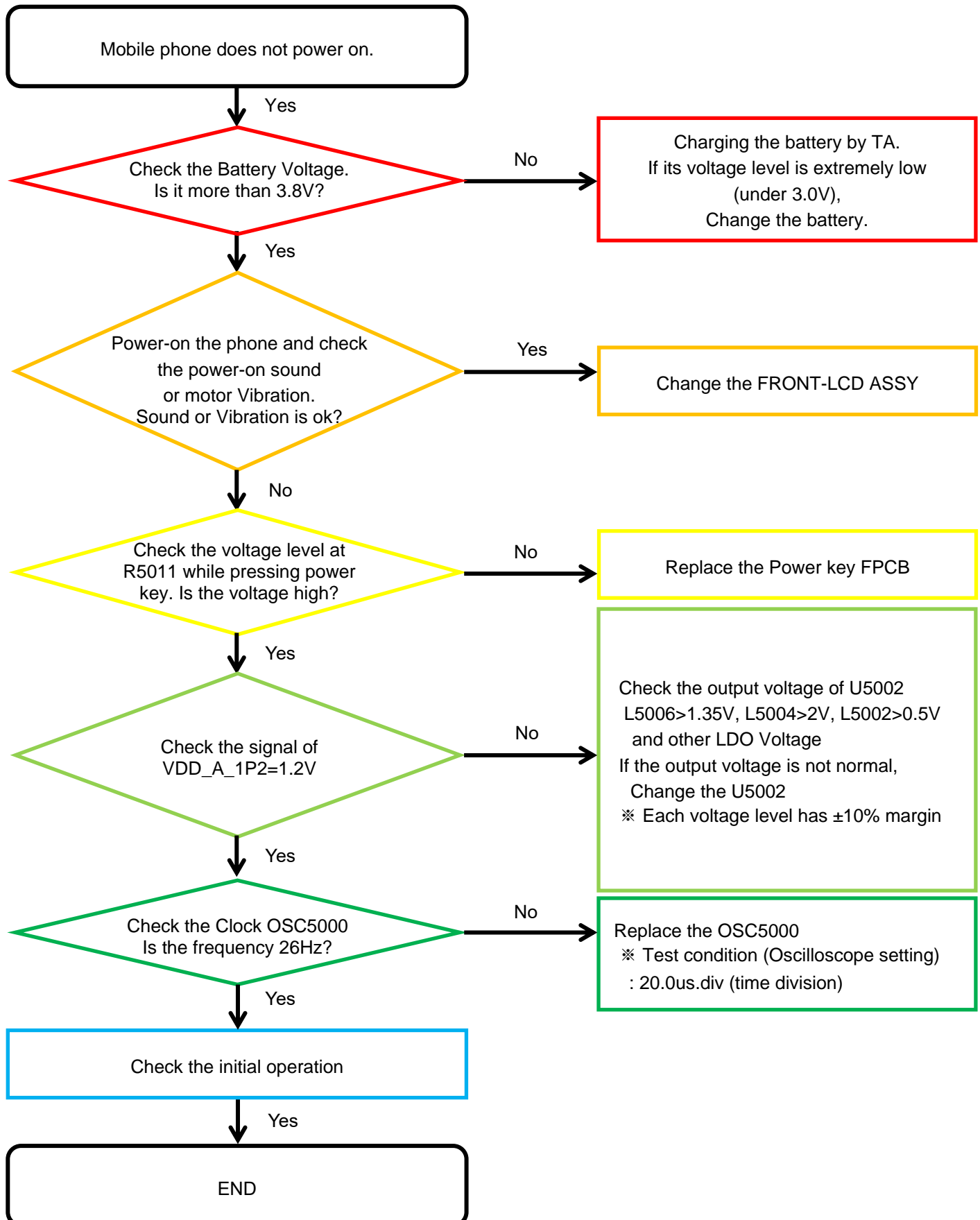
8960 & Spectrum Analyzer



Soldering iron

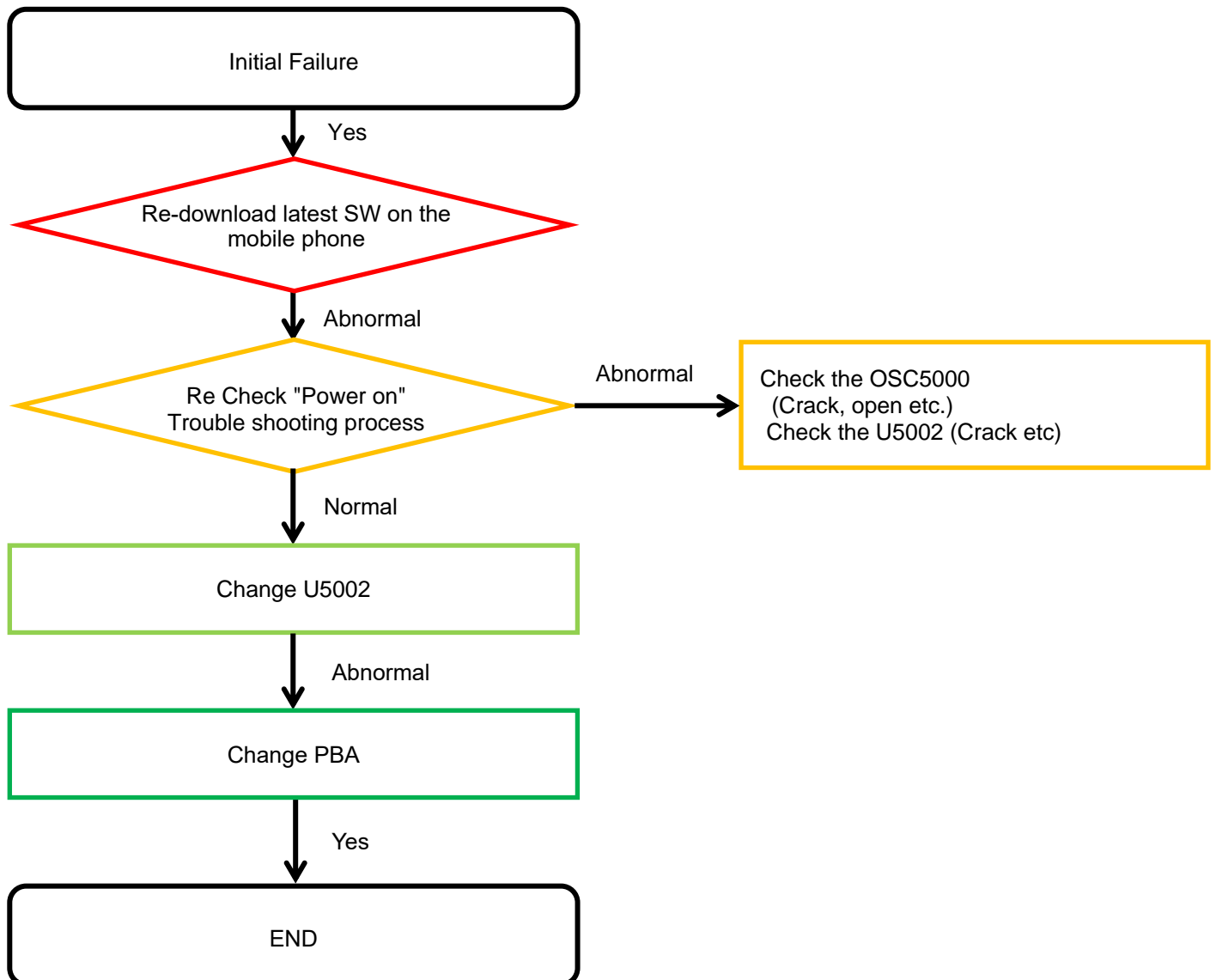
8. Level 3 Repair

8-4-1. Power On



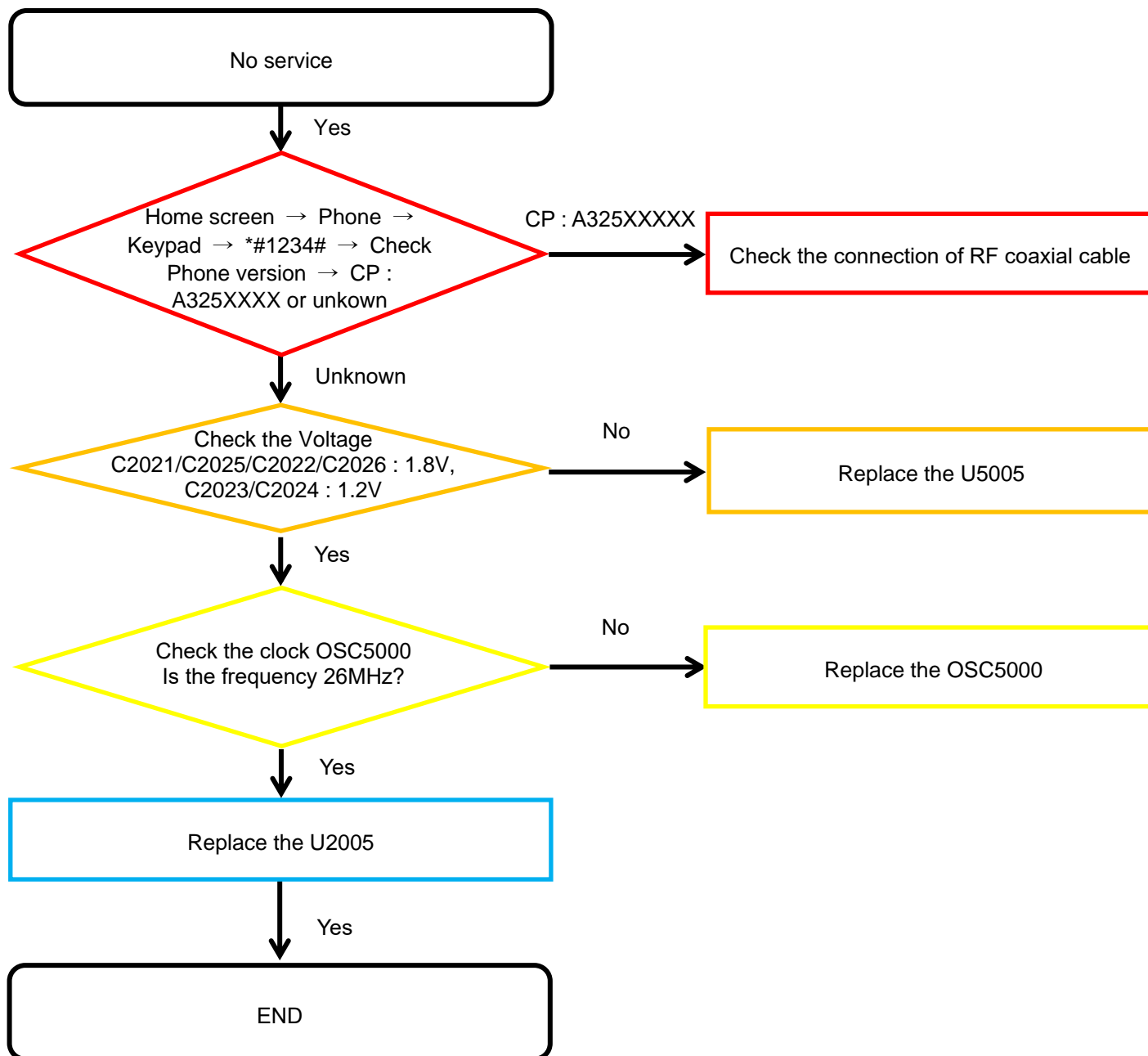
8. Level 3 Repair

8-4-2. Initial



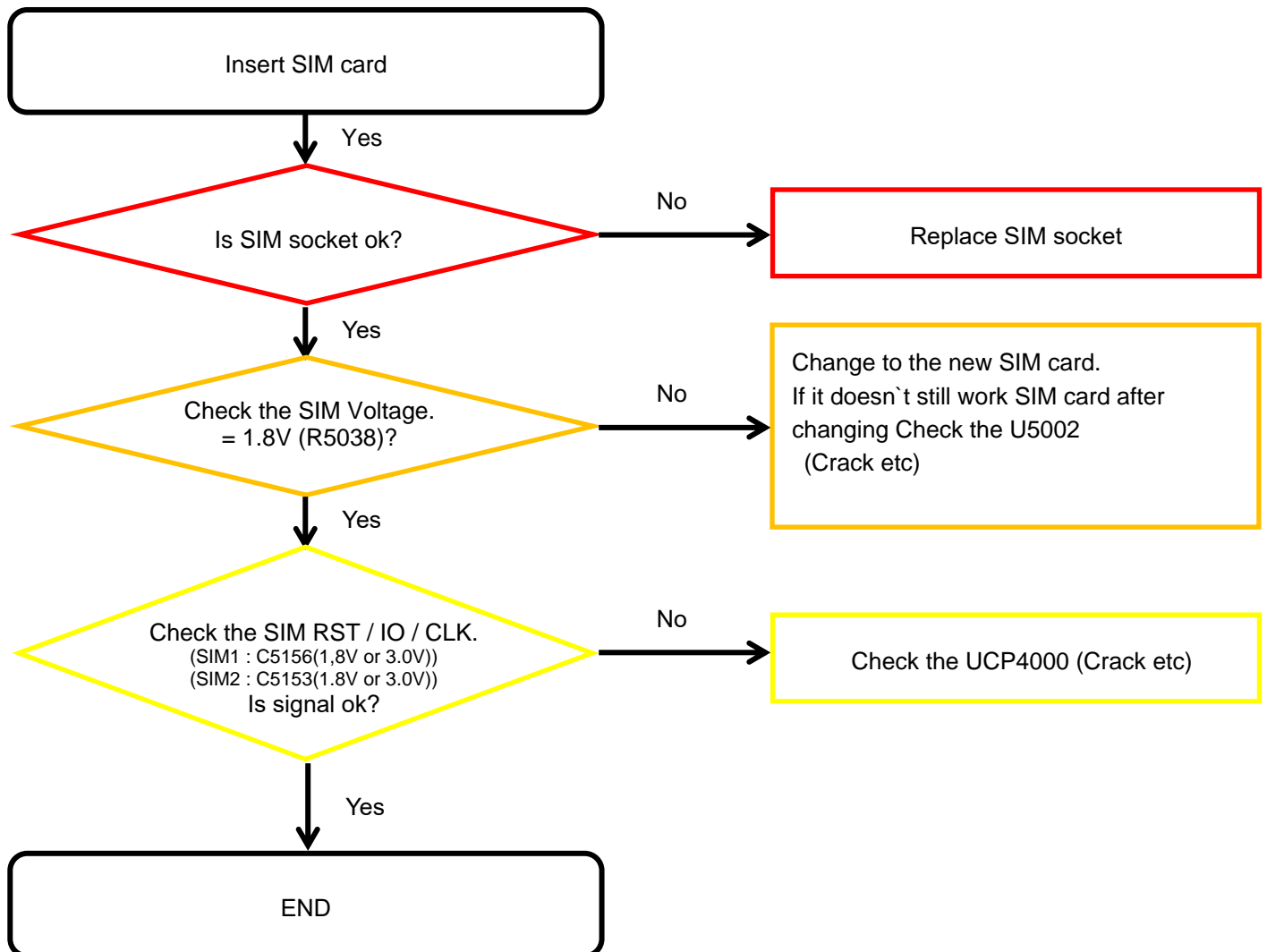
8. Level 3 Repair

8-4-3. No Service



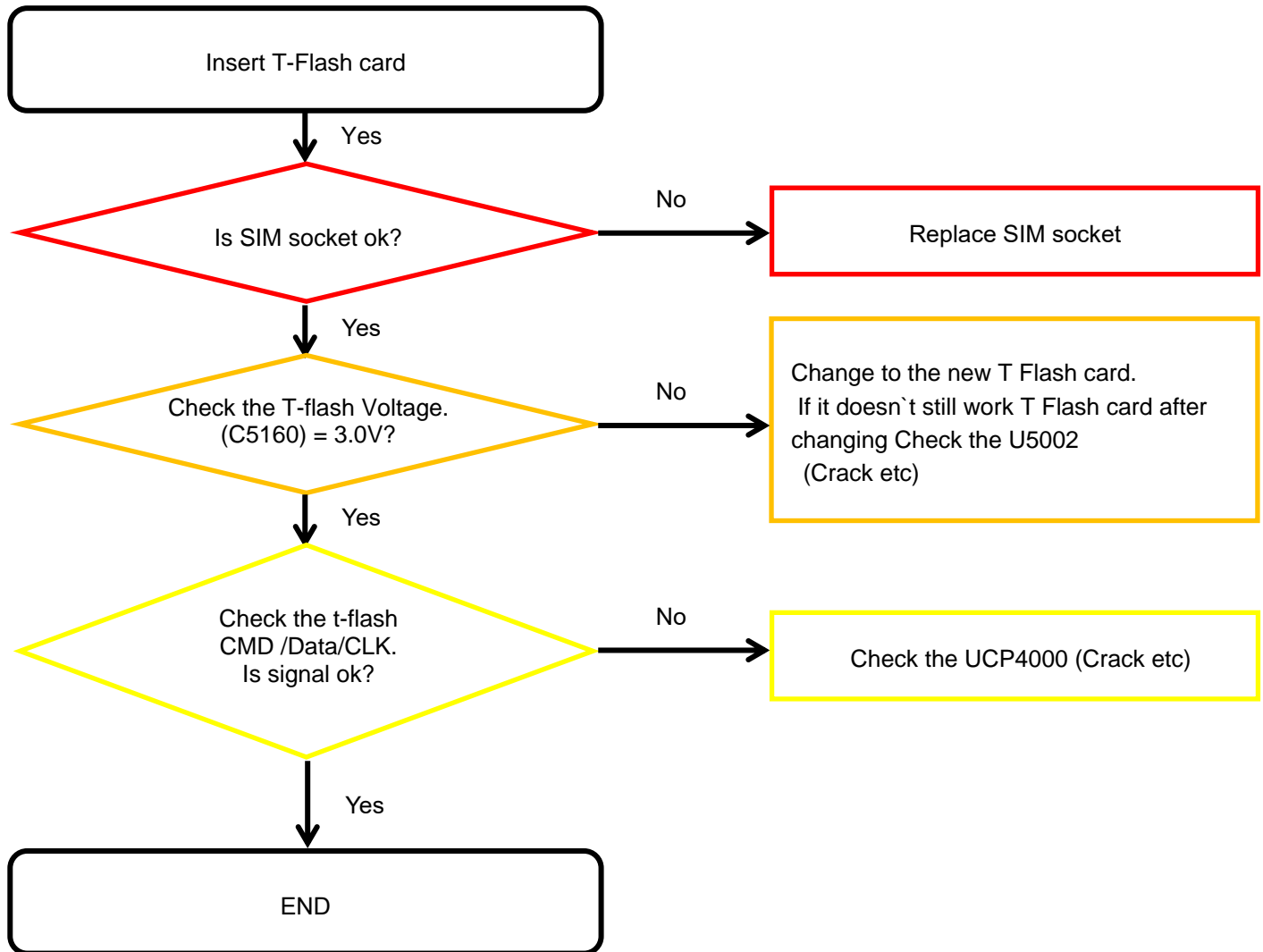
8. Level 3 Repair

8-4-4. SIM Part



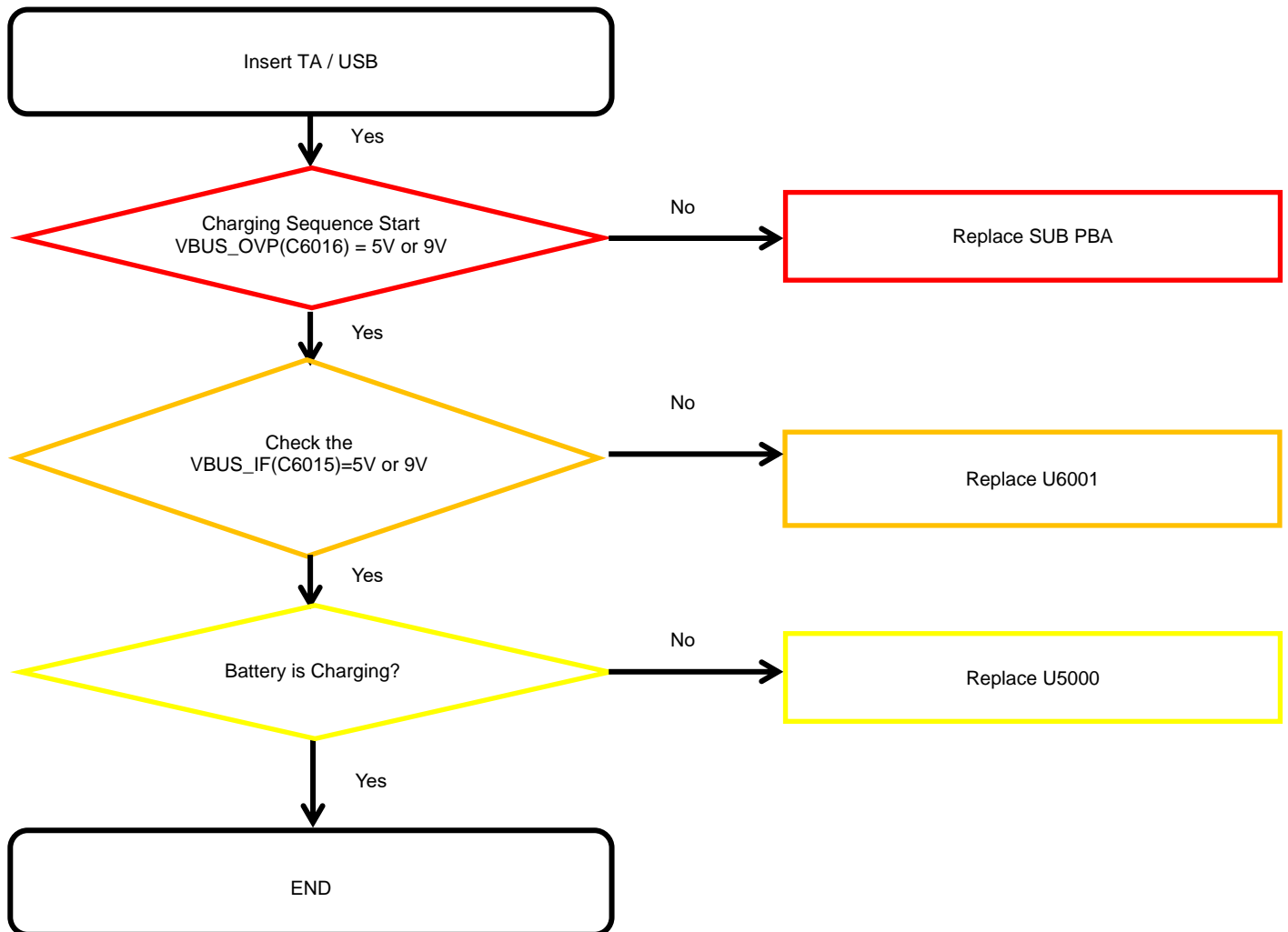
8. Level 3 Repair

8-4-5. T-Flash Part



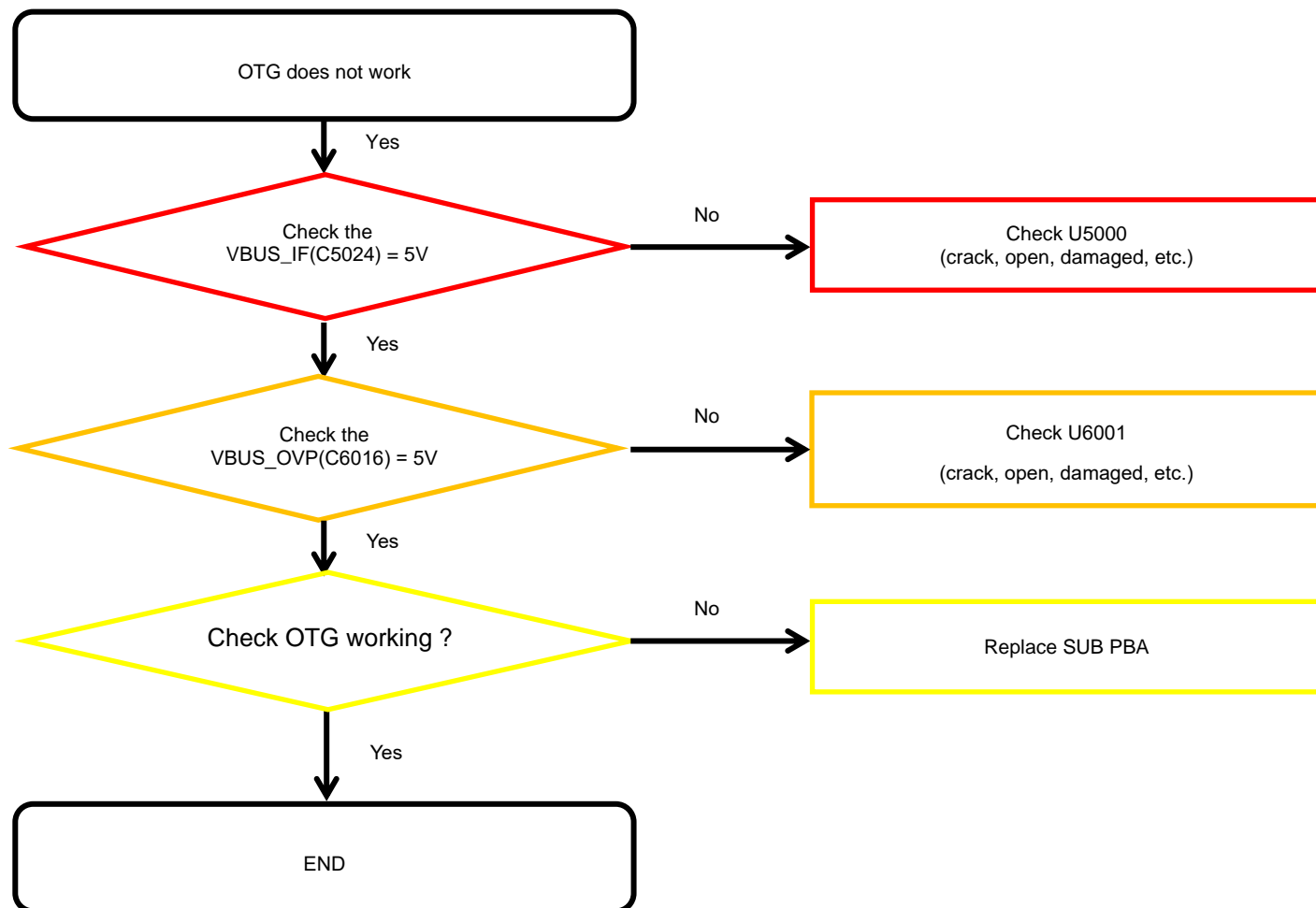
8. Level 3 Repair

8-4-6. Cable Charging Part



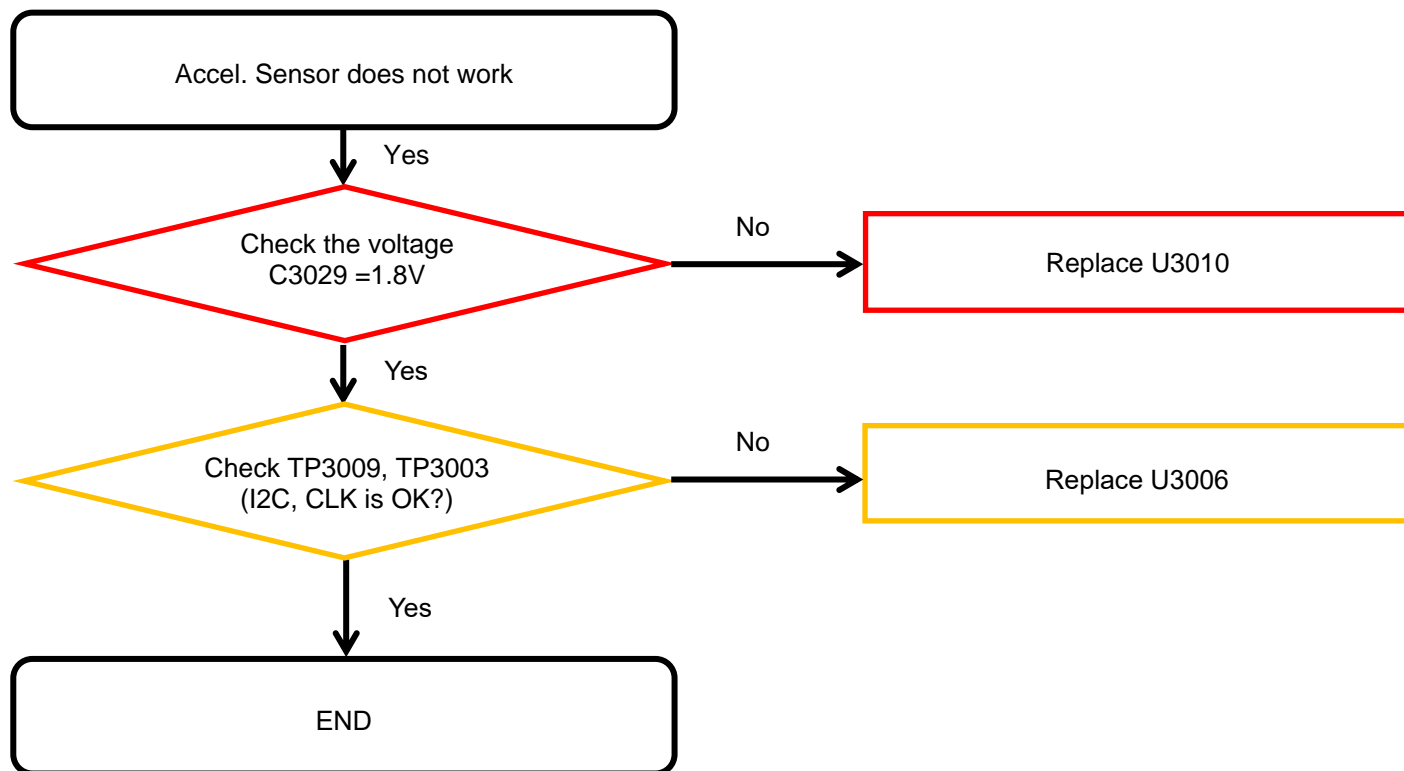
8. Level 3 Repair

8-4-7. OTG



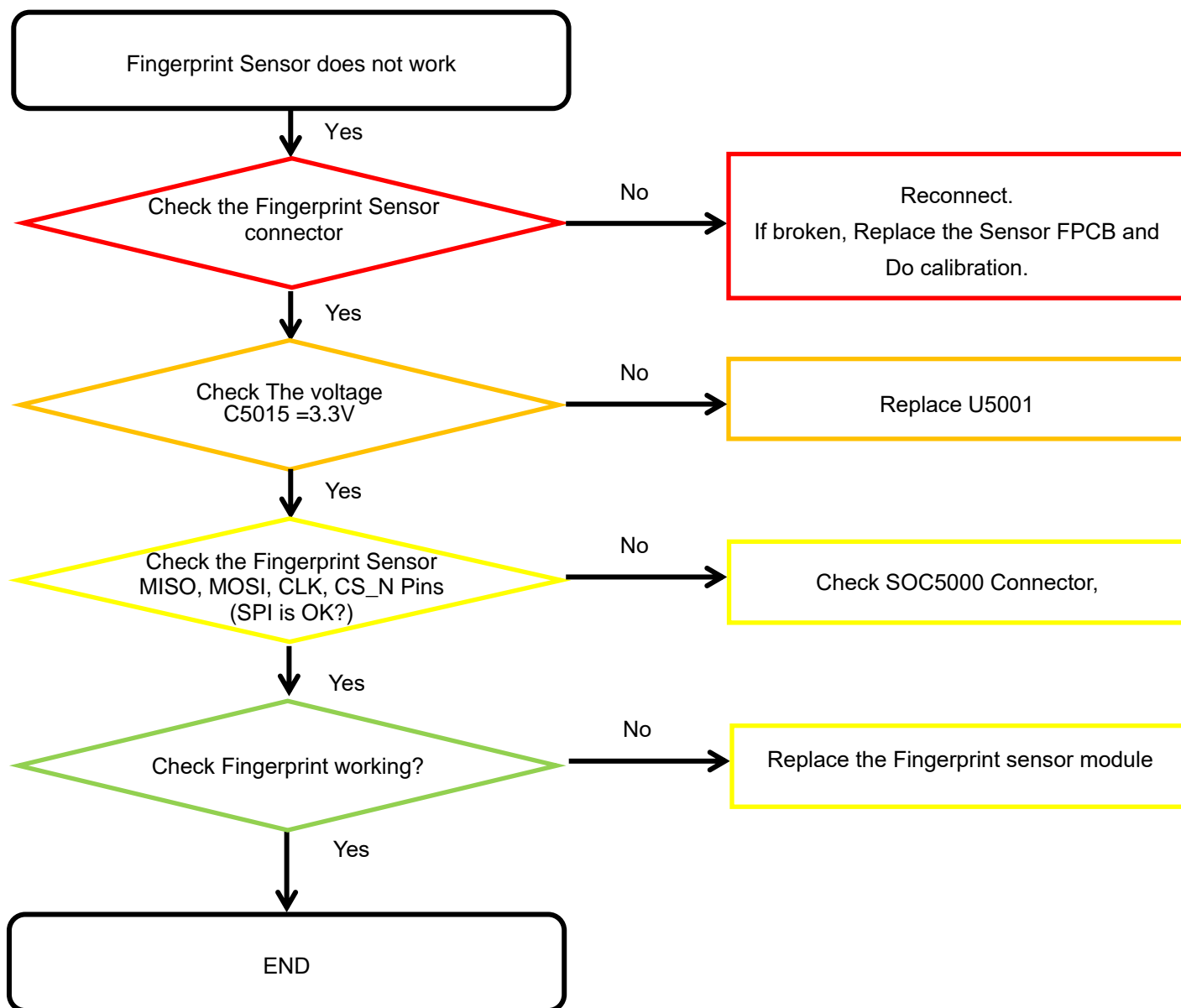
8. Level 3 Repair

8-4-8-1. Accel Sensor(6 AXIS)



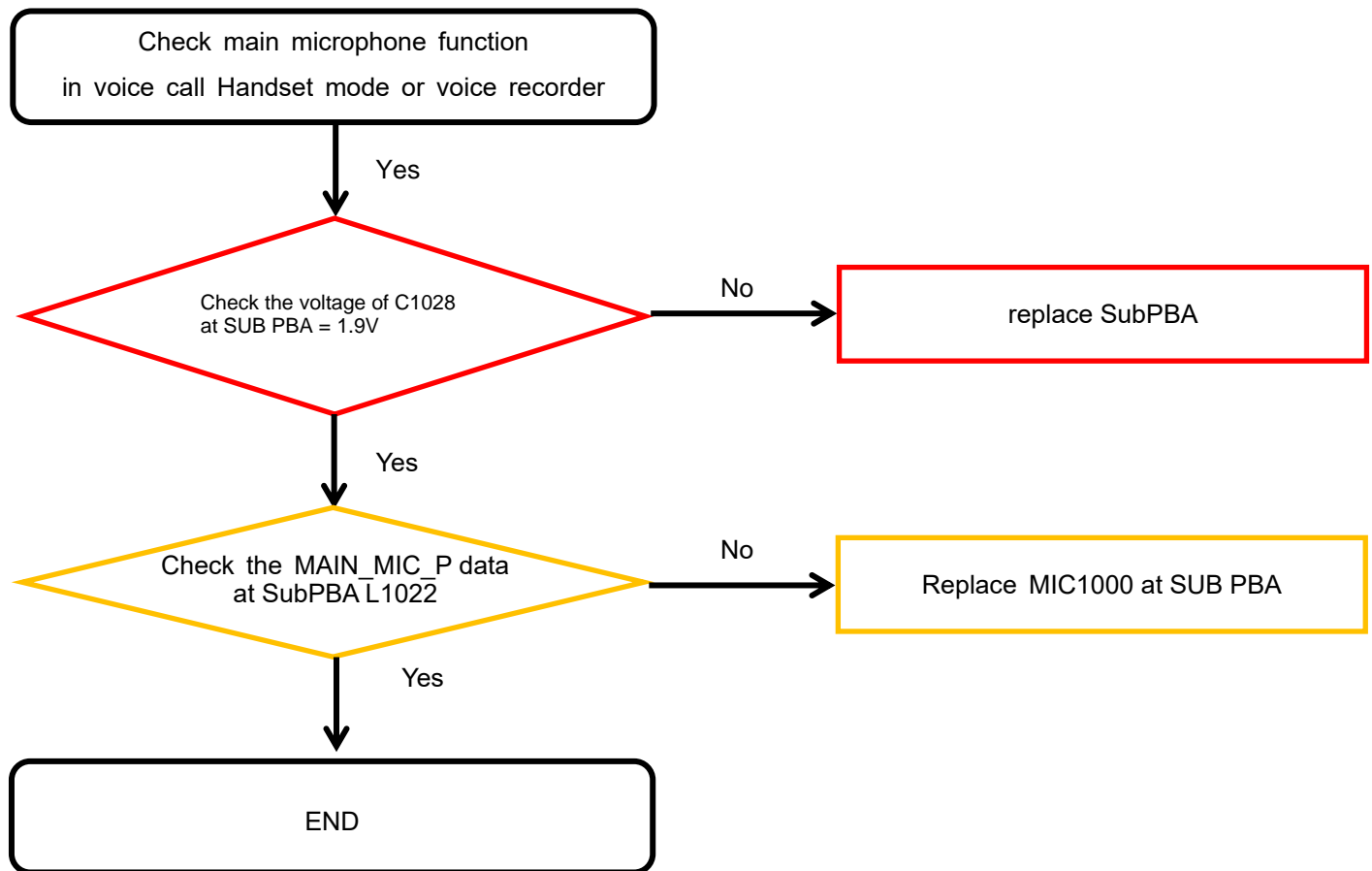
8. Level 3 Repair

8-4-8-2. Fingerprint Sensor



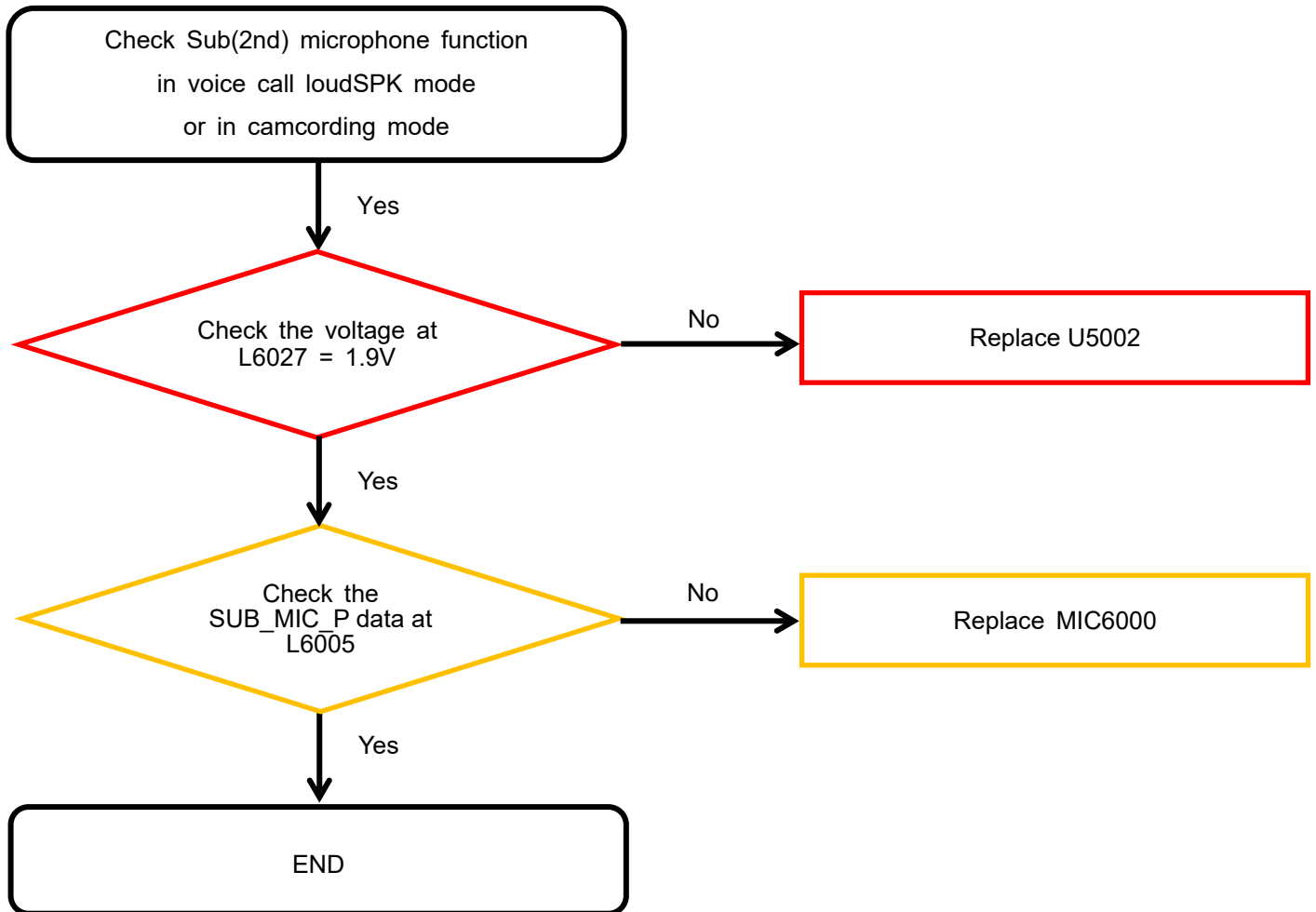
8. Level 3 Repair

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



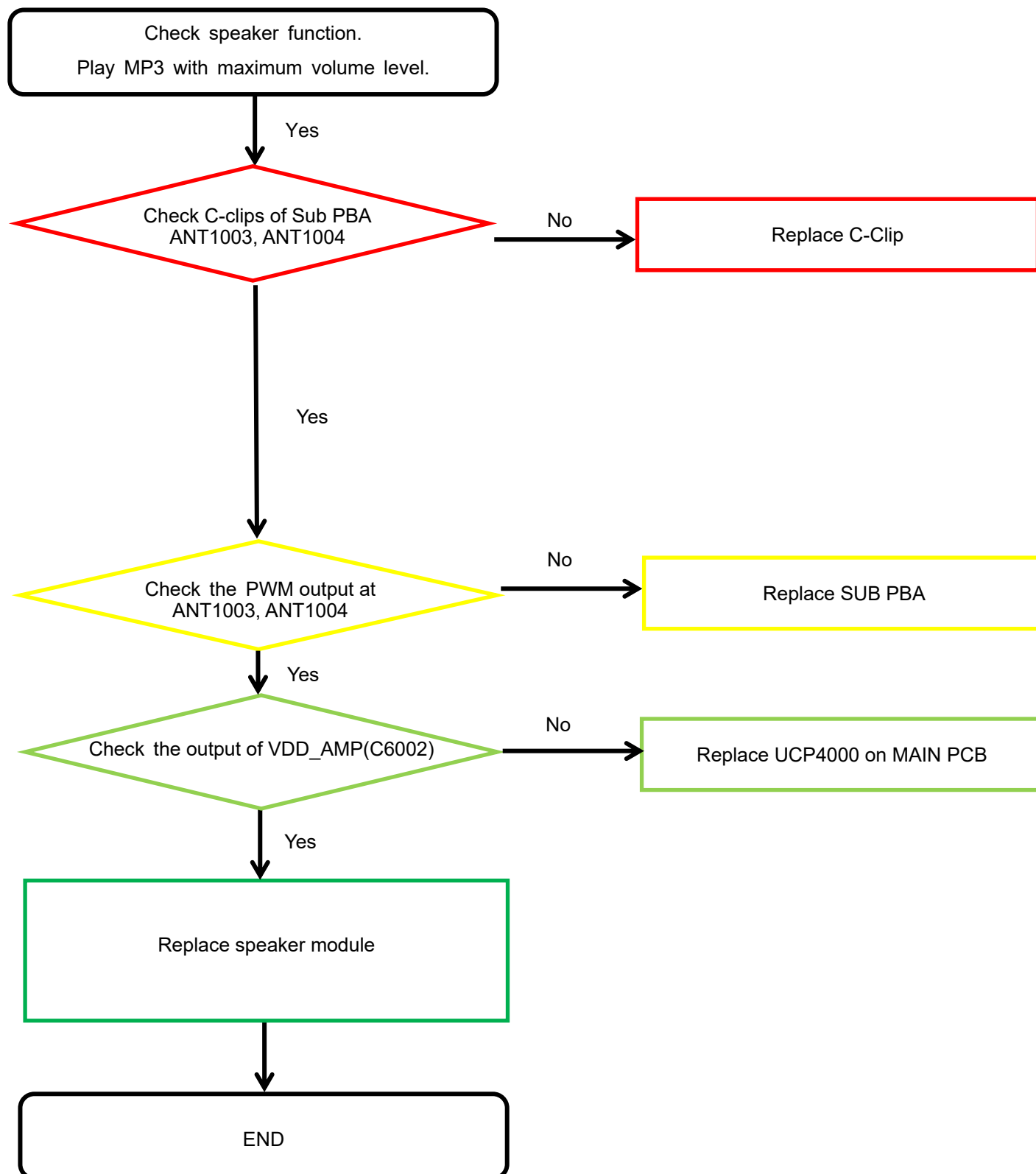
8. Level 3 Repair

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



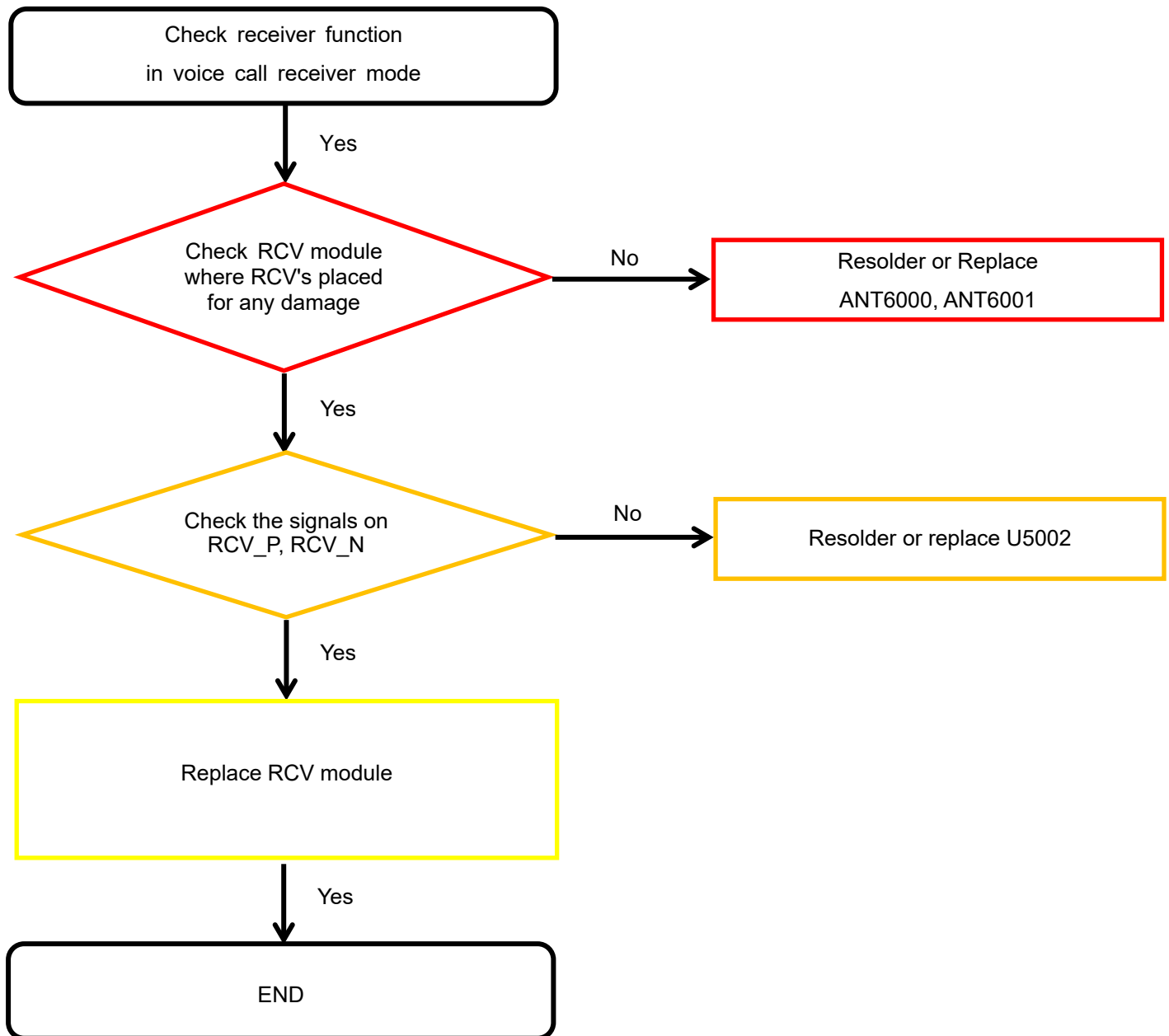
8. Level 3 Repair

8-4-10. Speaker Part



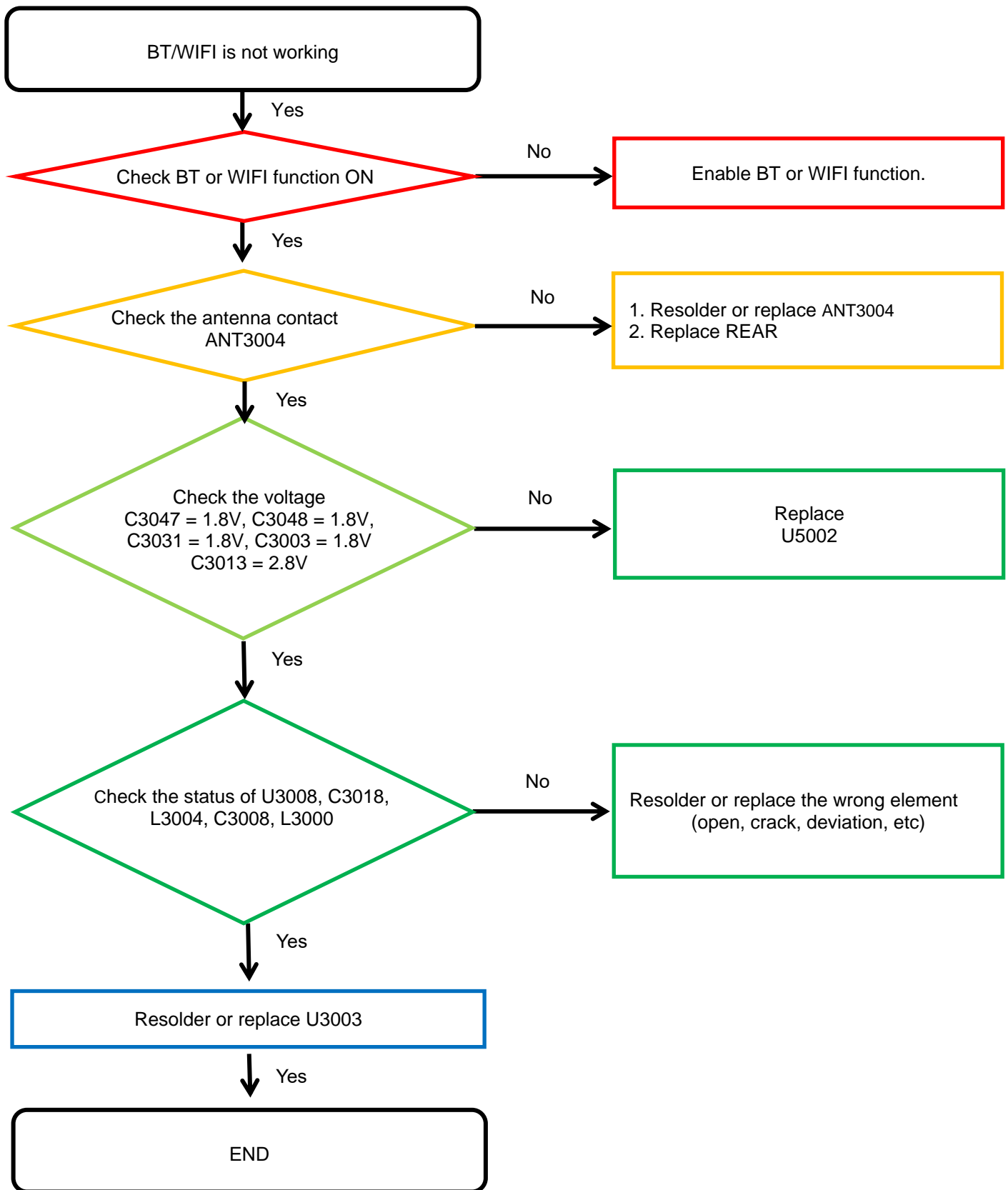
8. Level 3 Repair

8-4-11. Receiver Part



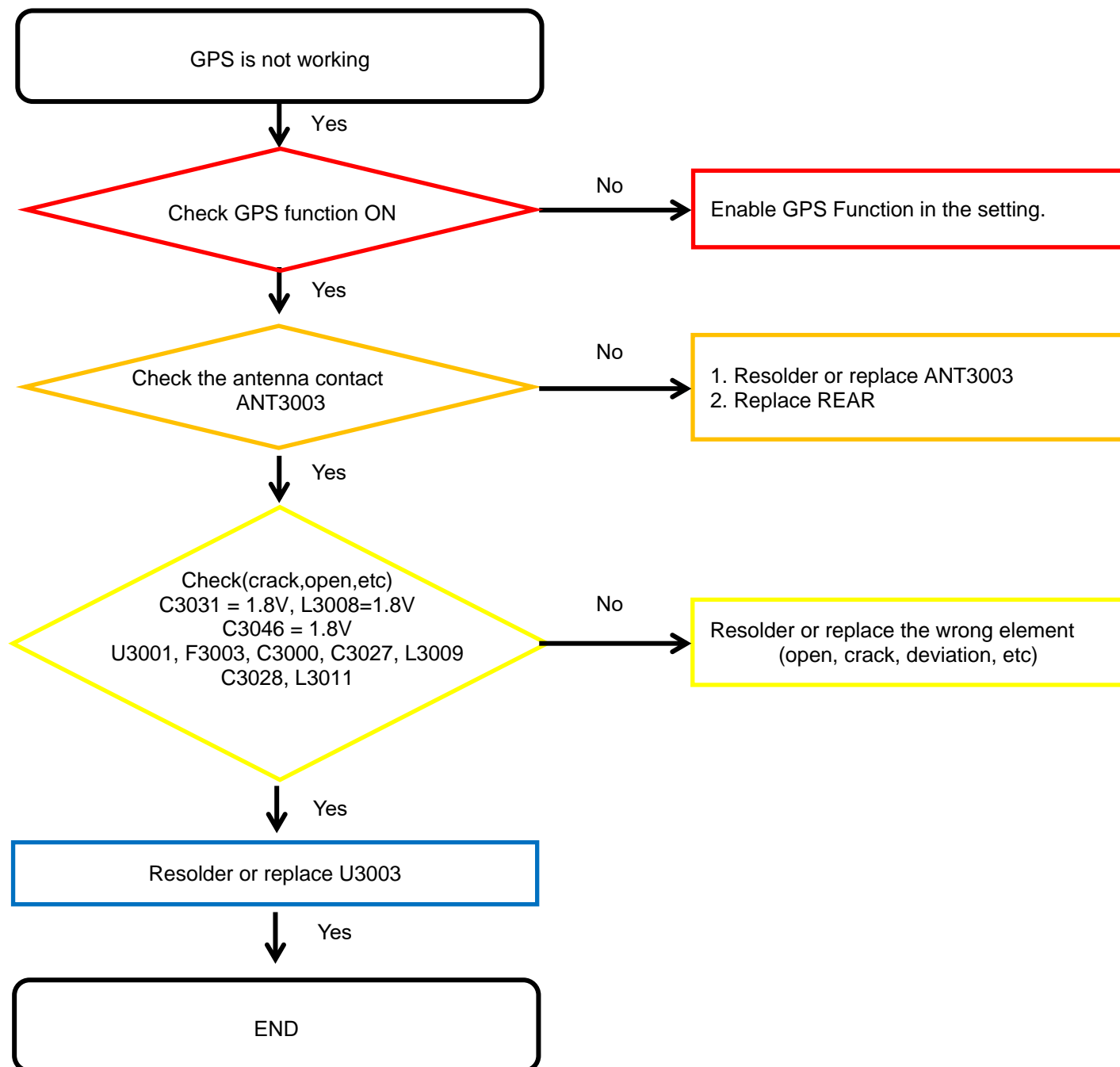
8. Level 3 Repair

8-4-12. BT/WIFI



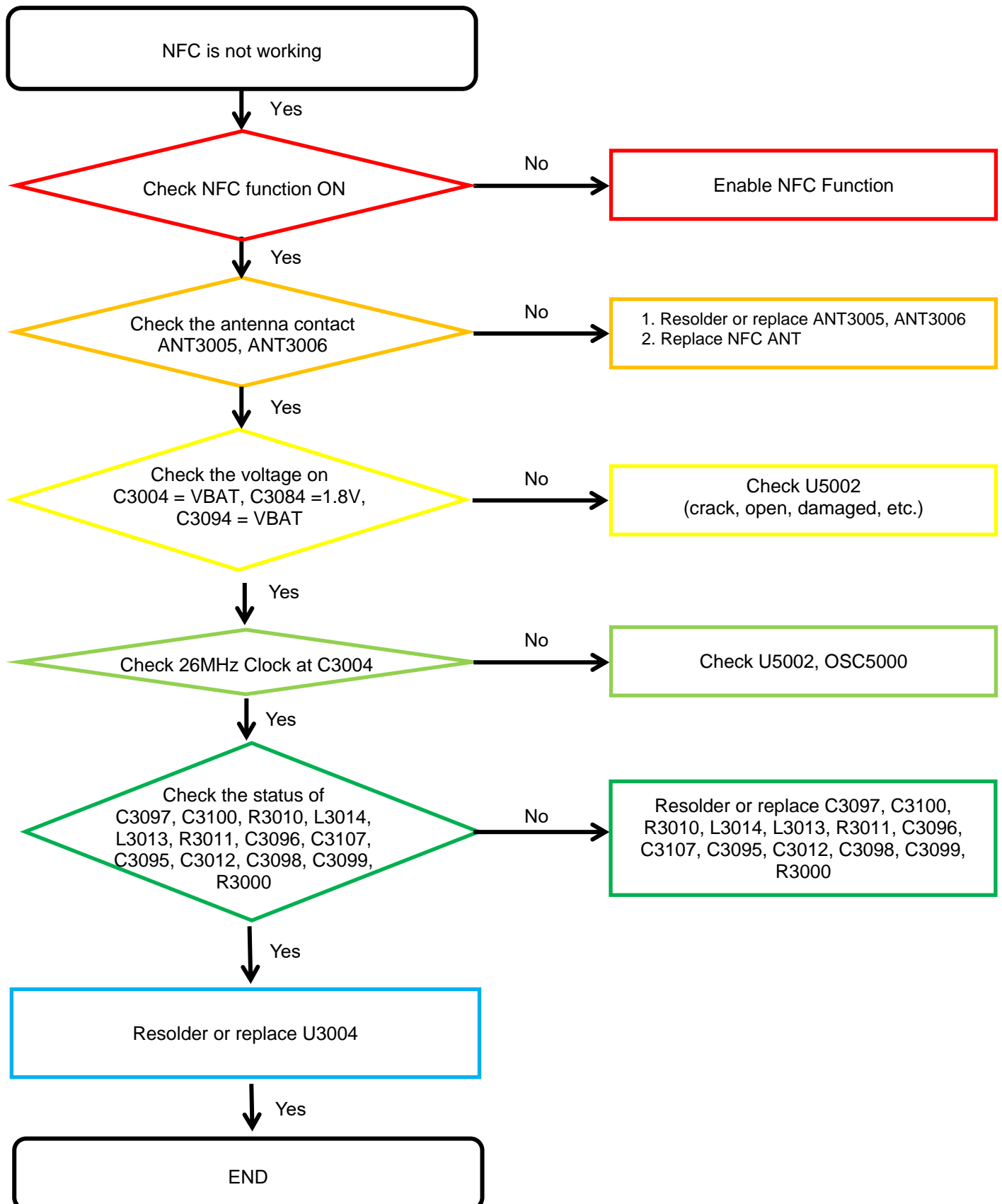
8. Level 3 Repair

8-4-13. GPS



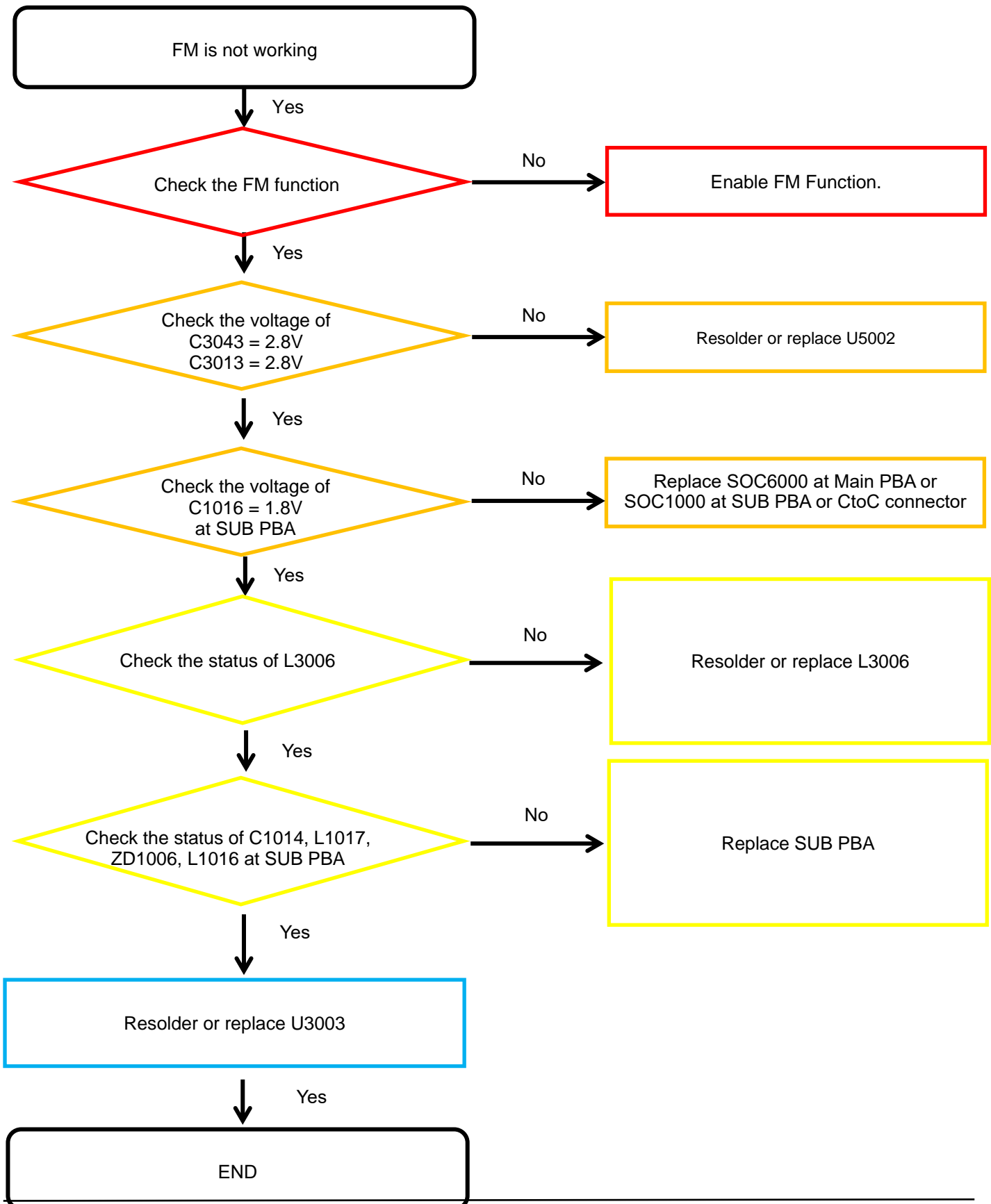
8. Level 3 Repair

8-4-14. NFC



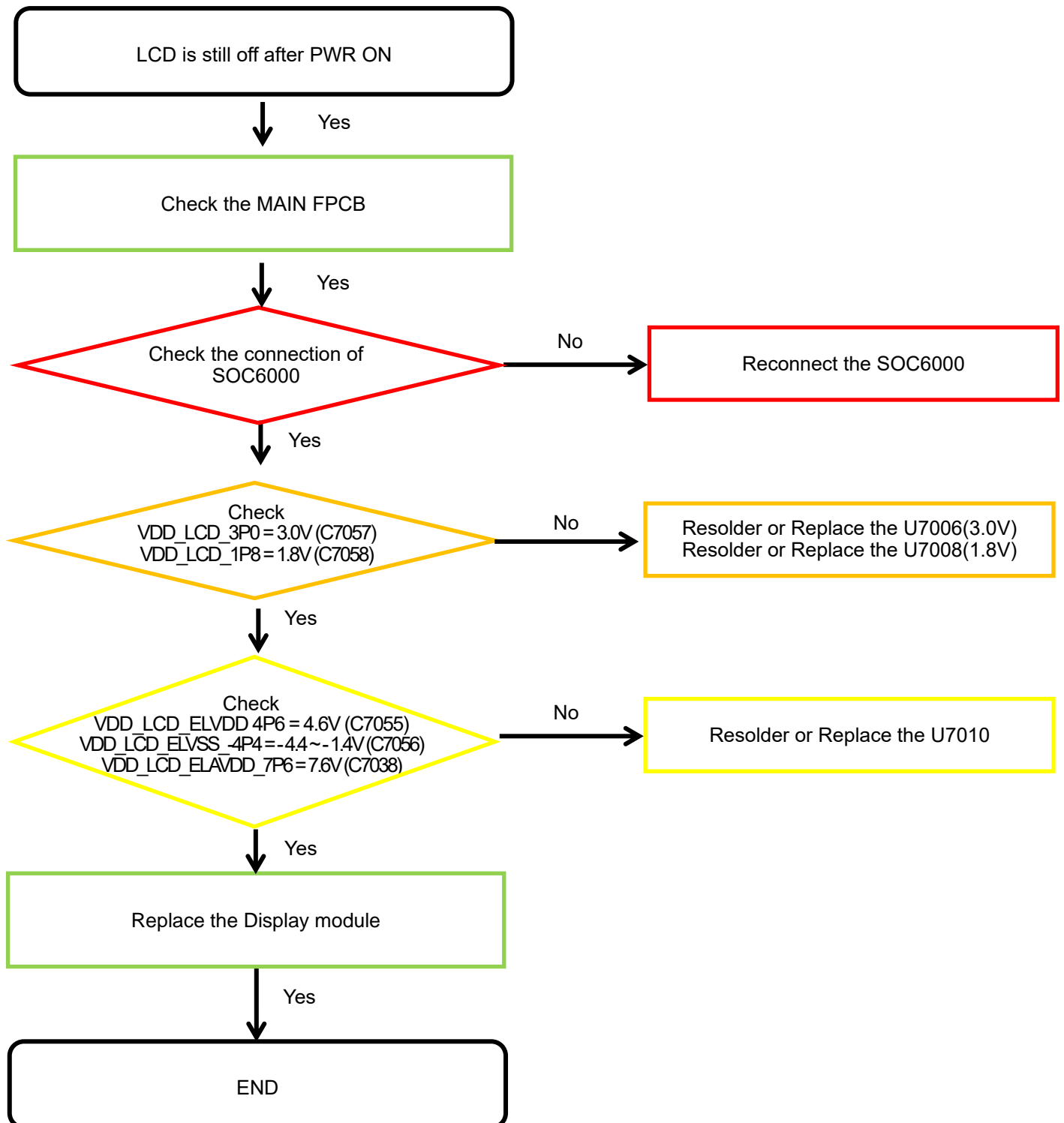
8. Level 3 Repair

8-4-15. FM radio part



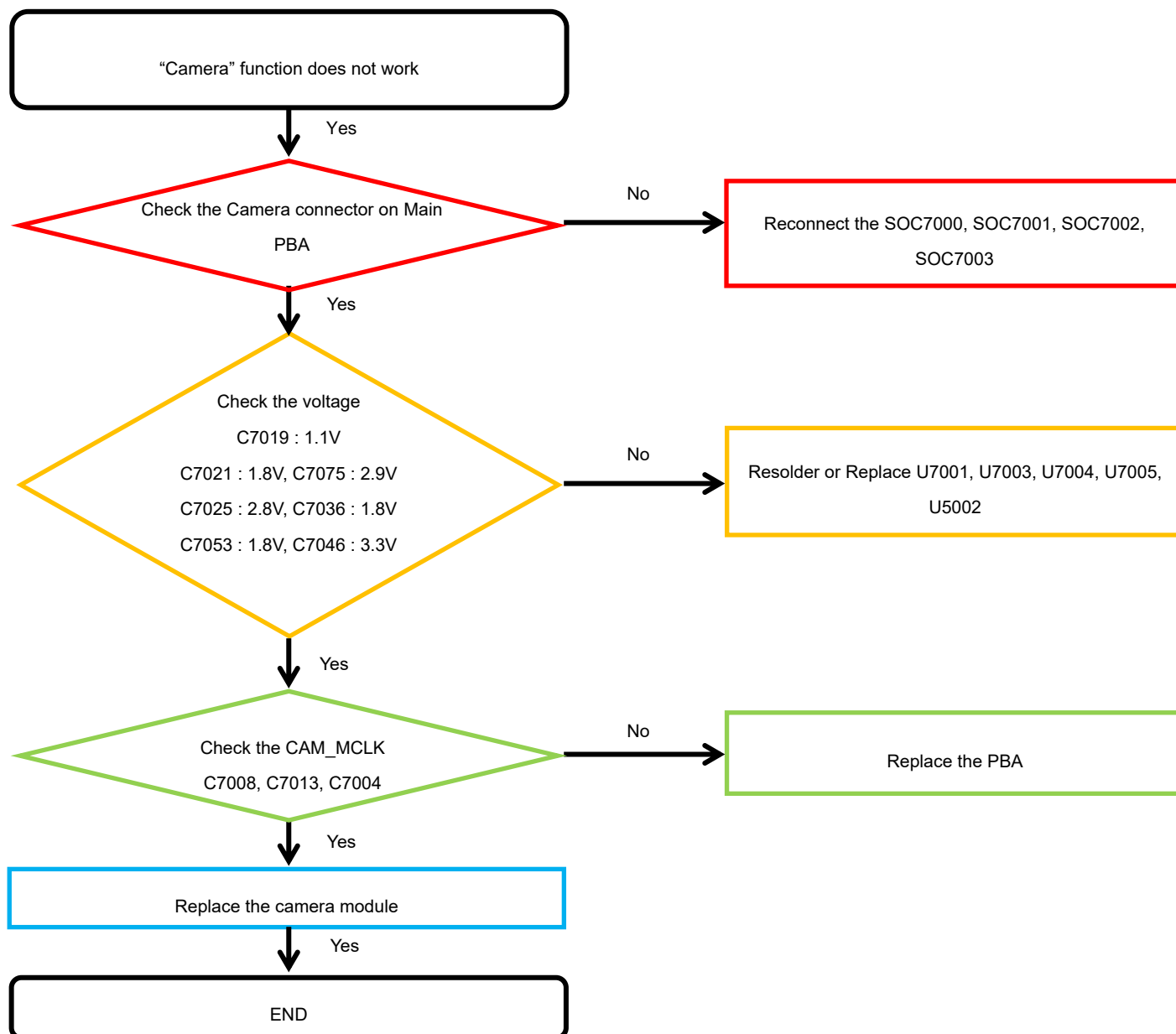
8. Level 3 Repair

8-4-16. Display



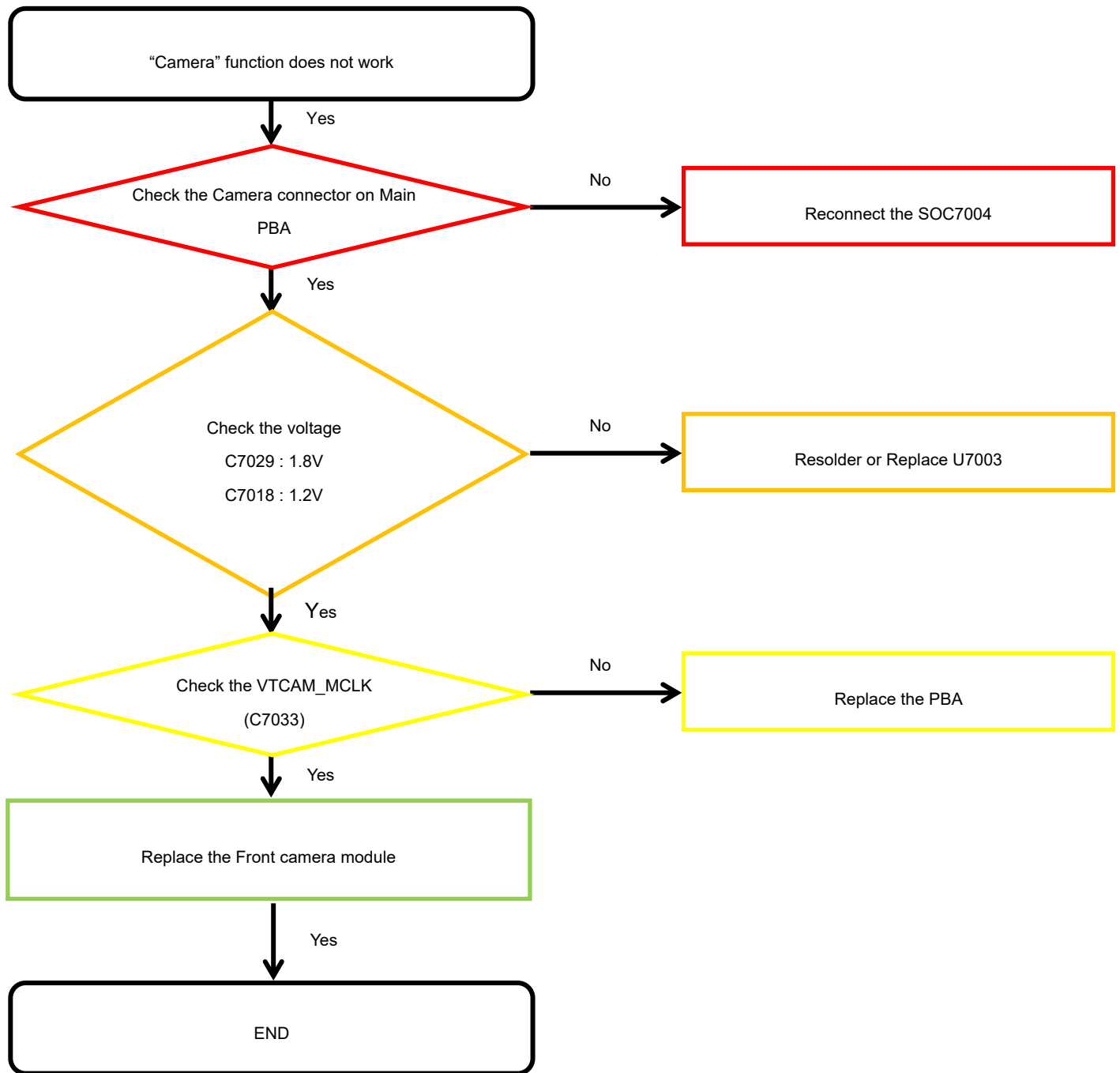
8. Level 3 Repair

8-4-17. REAR Camera



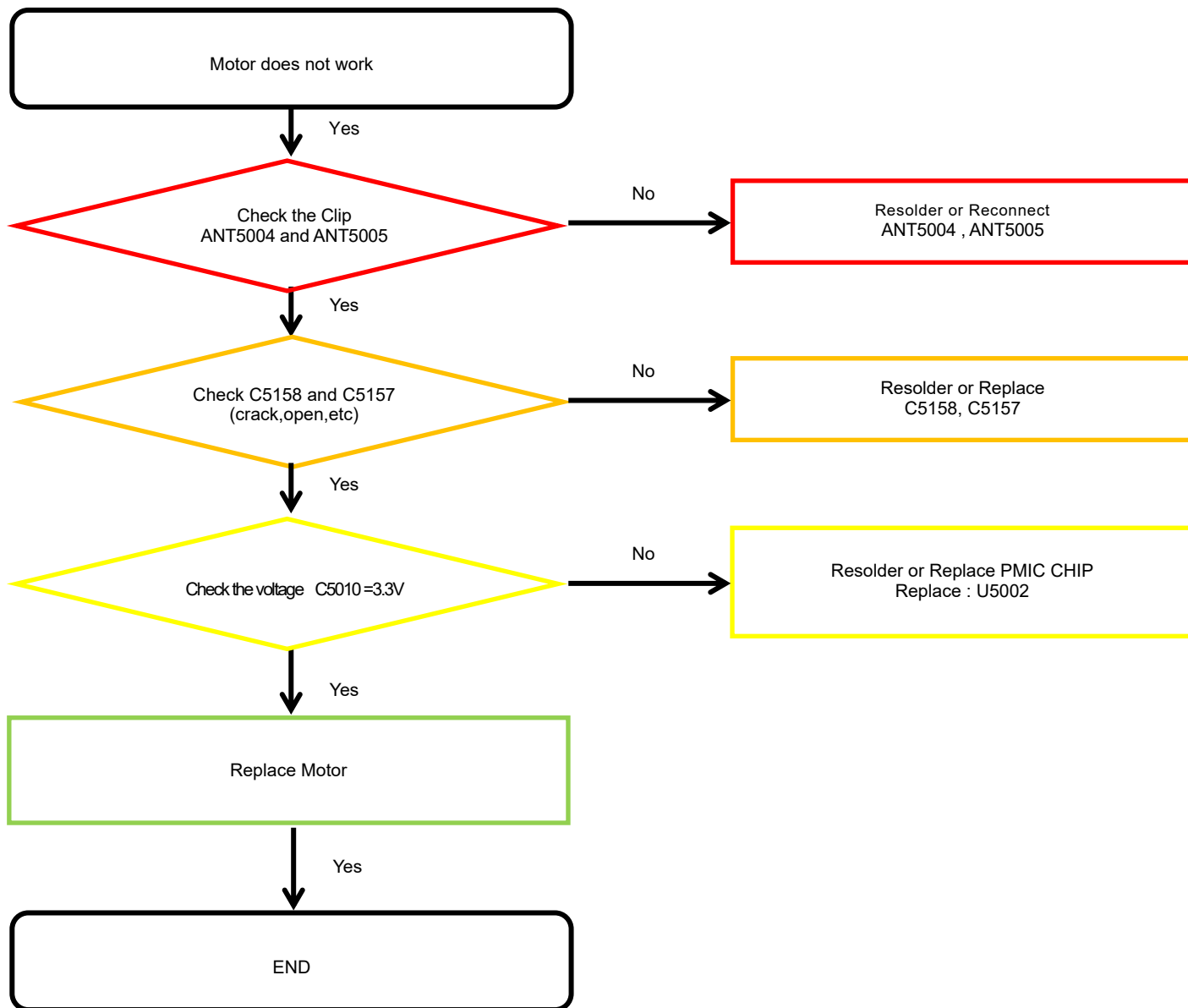
8. Level 3 Repair

8-4-18. FRONT CAMERA



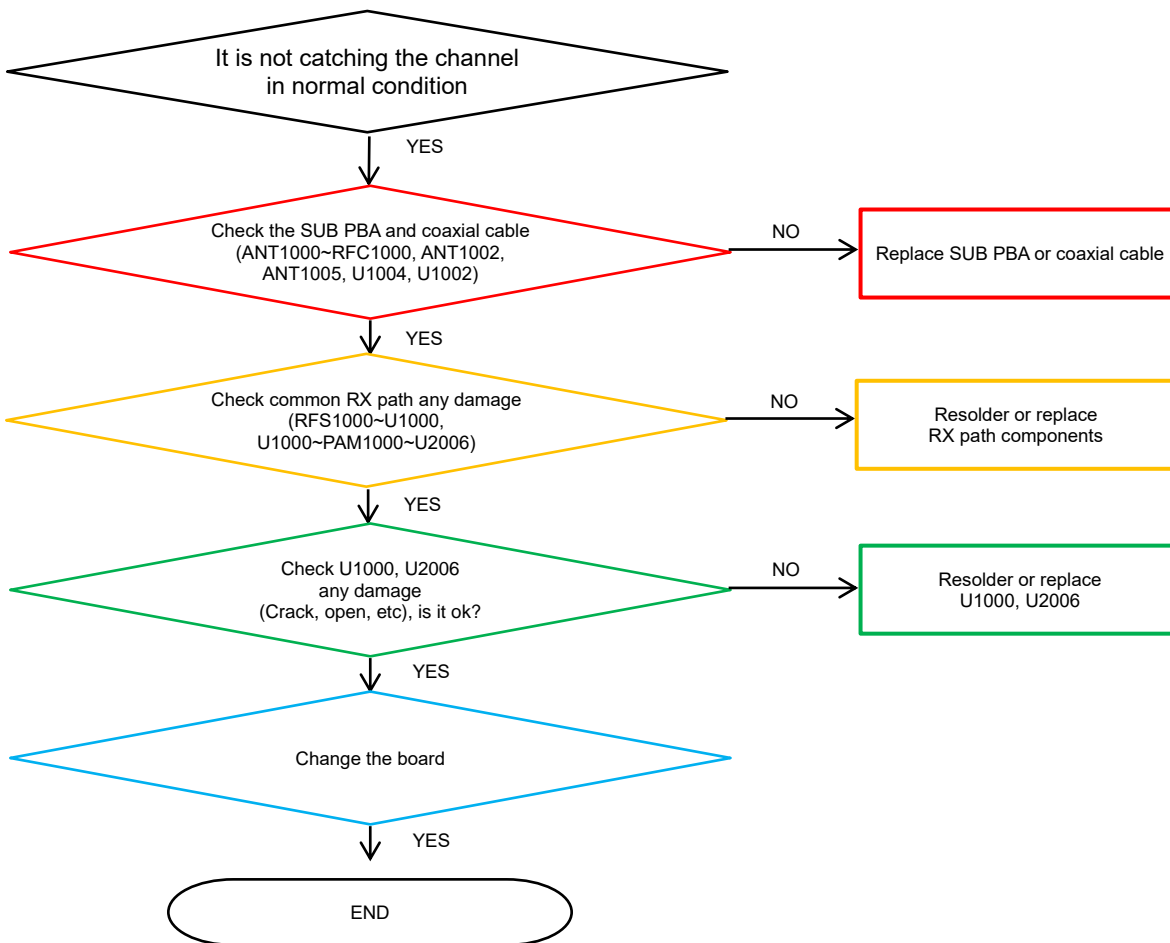
8. Level 3 Repair

8-4-19. Motor



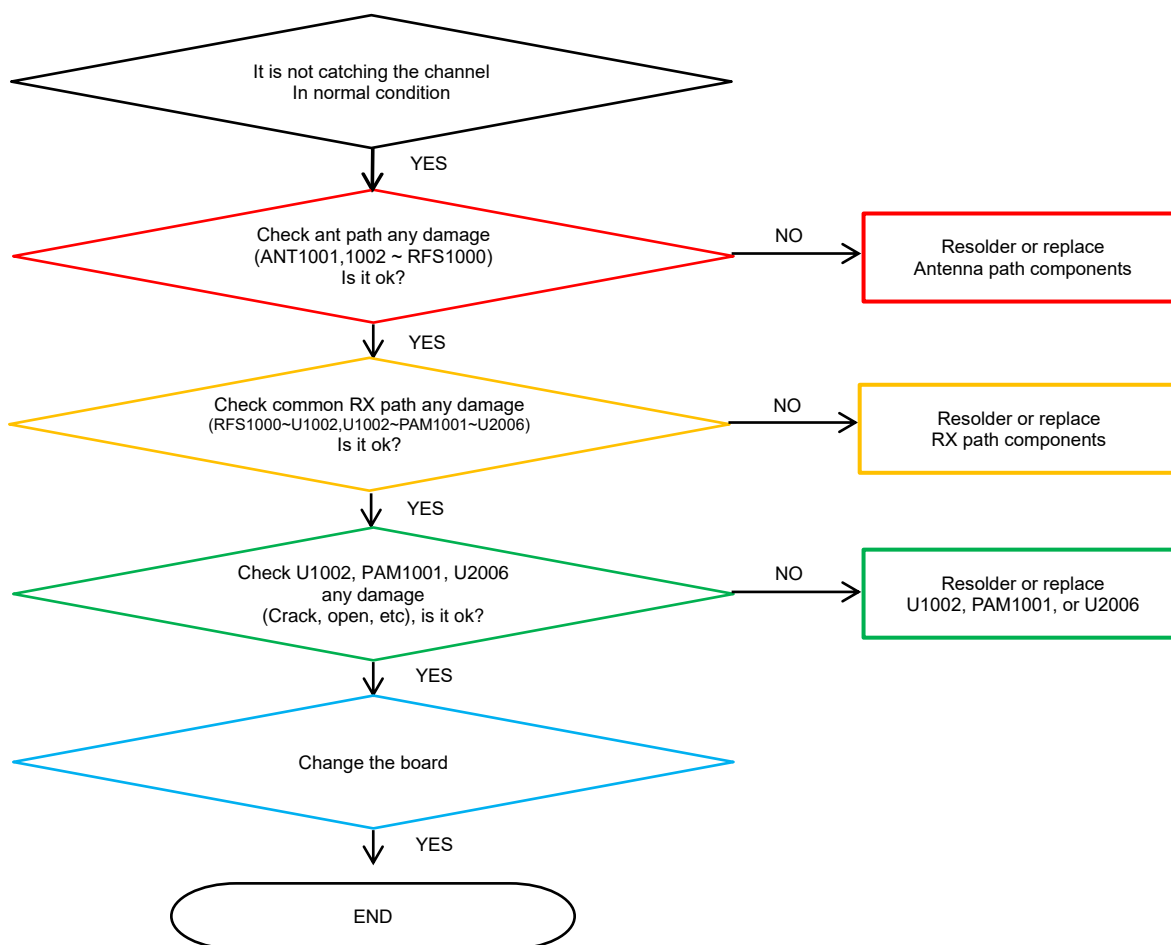
8. Level 3 Repair

8-4-20. GSM 850/900/1800/1900, WCDMA B1/2/4/5/8, LTE B1/2/3/4/5/8/12/17/20/26/28/66 PRx



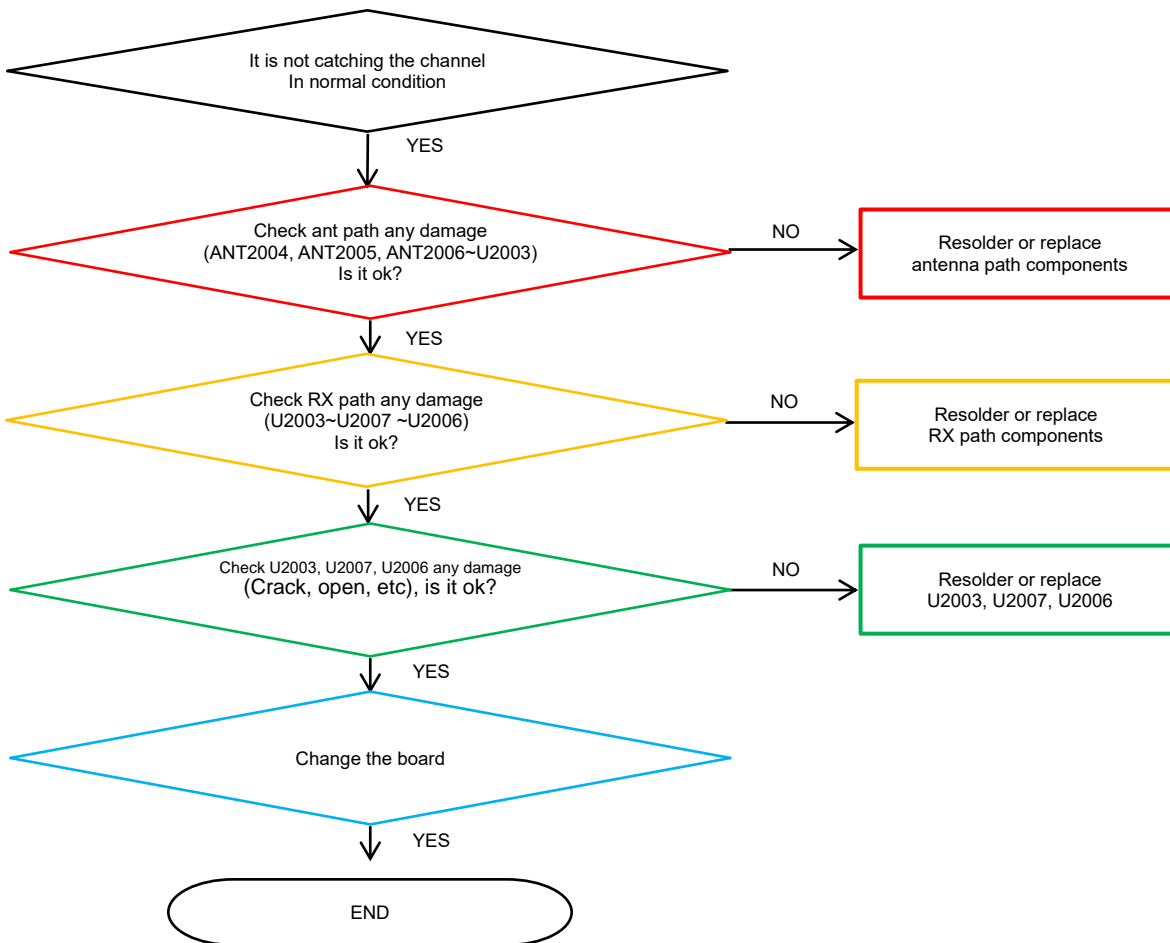
8. Level 3 Repair

8-4-21. LTE B7/38/40/41 PRx



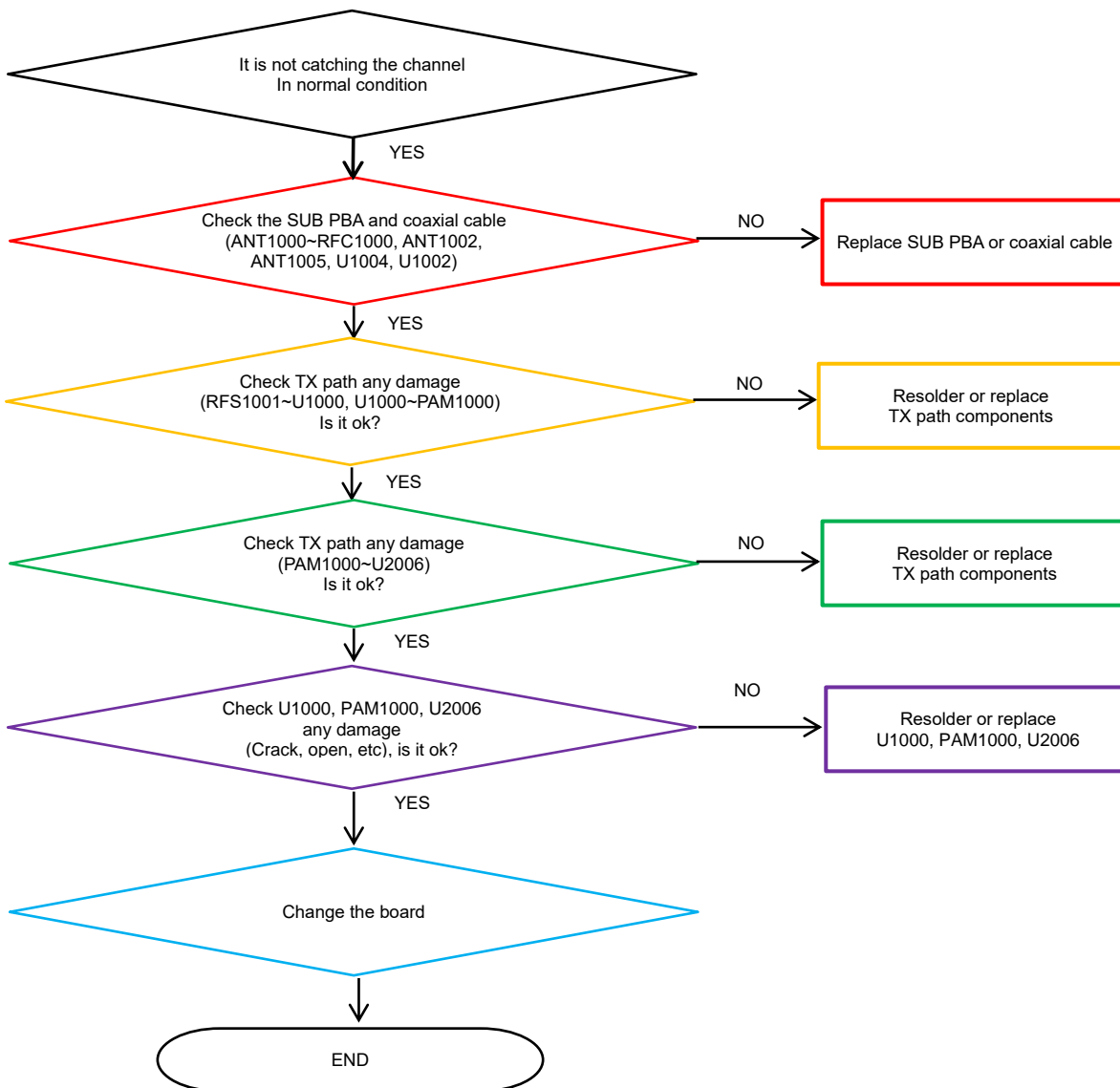
8. Level 3 Repair

8-4-22. GSM 850/900/1800/1900, WCDMA B1/2/4/5/8, LTE B1/2/3/4/5/7/8/12/13/17/20/26/28/38/40/41/66 DRx



8. Level 3 Repair

8-4-23. GSM 850/900/1800/1900, WCDMA B1/2/4/5/8, LTE B1/2/3/4/5/8/12/13/17/20/26/28/66 Tx



8. Level 3 Repair

8-4-24. LTE B7/38/40/41 Tx

