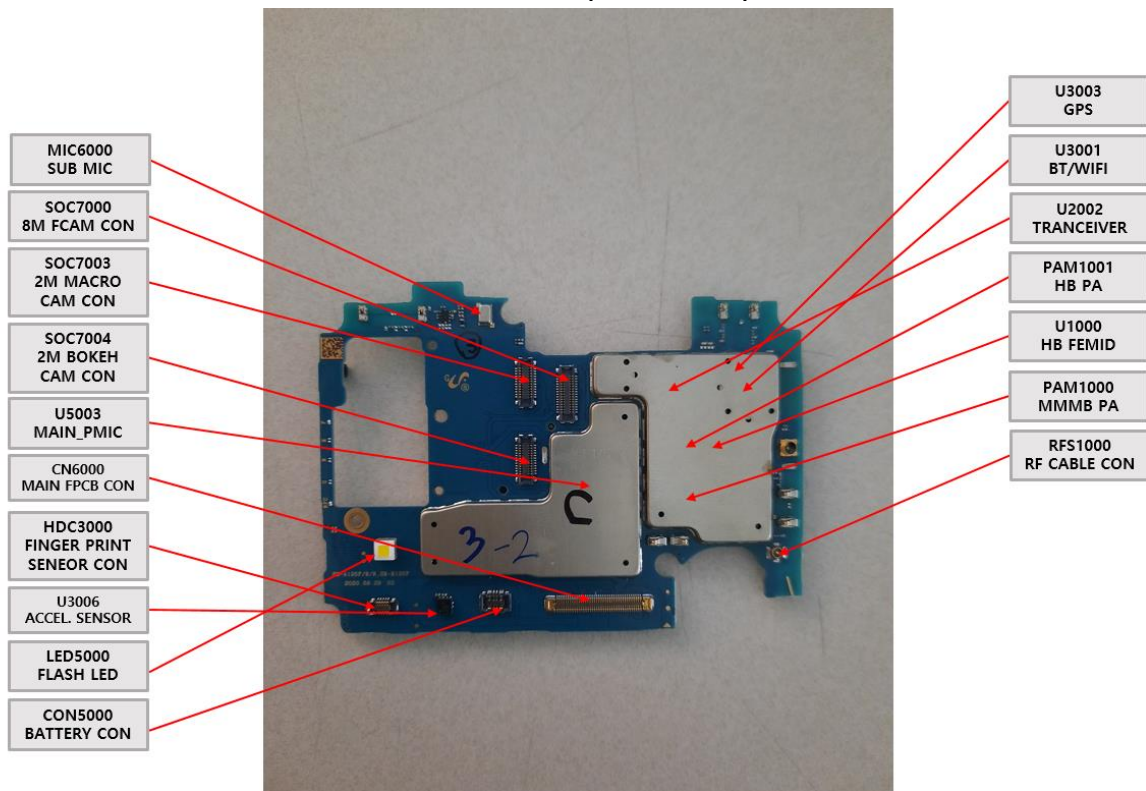
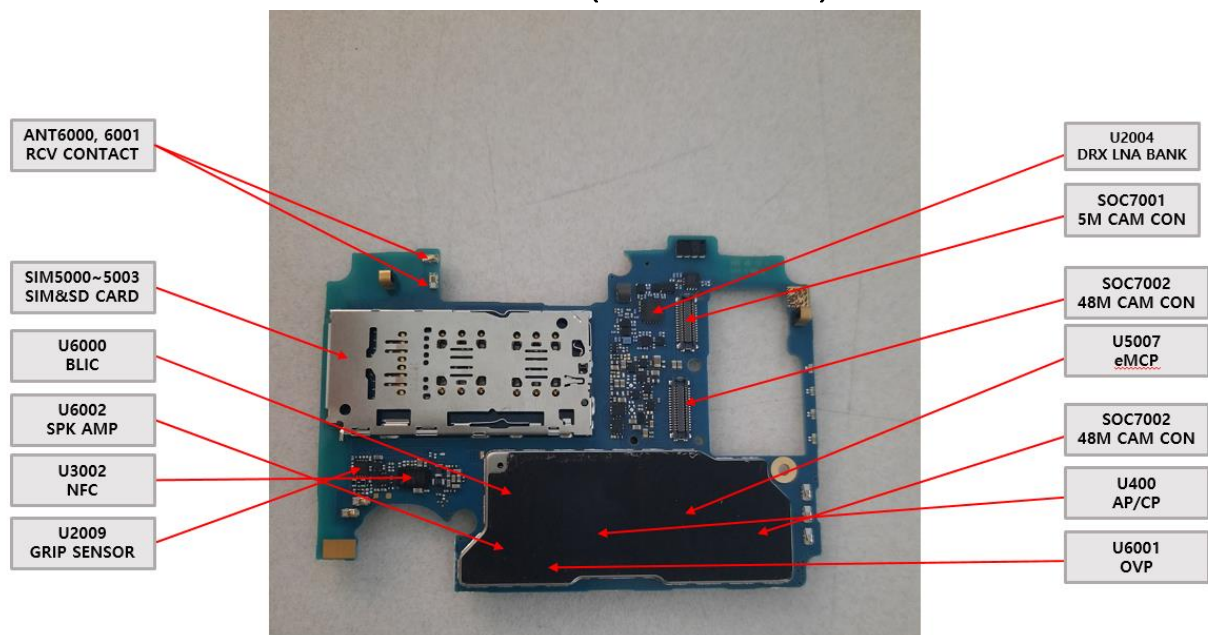

8. Level 3 Repair

8-1. Components Layout

MAIN PBA (TOP SIDE)

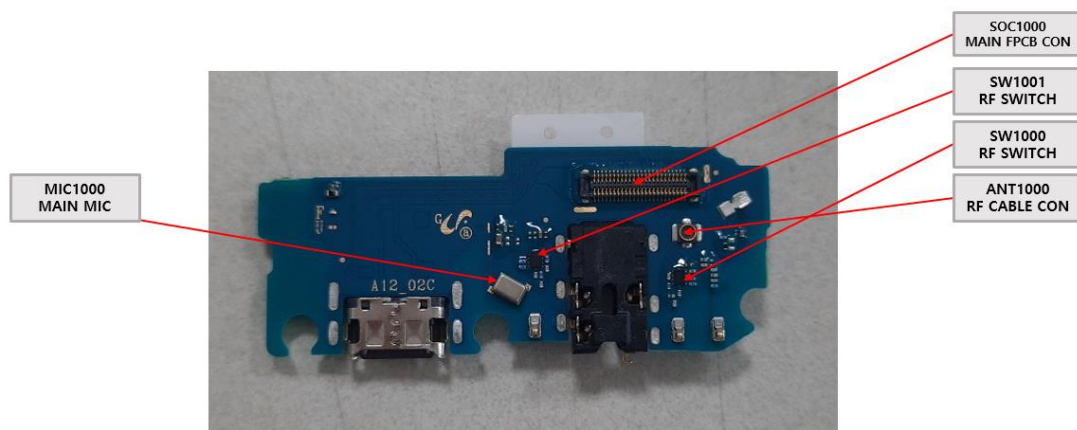


MAIN PBA (BOTTOM SIDE)

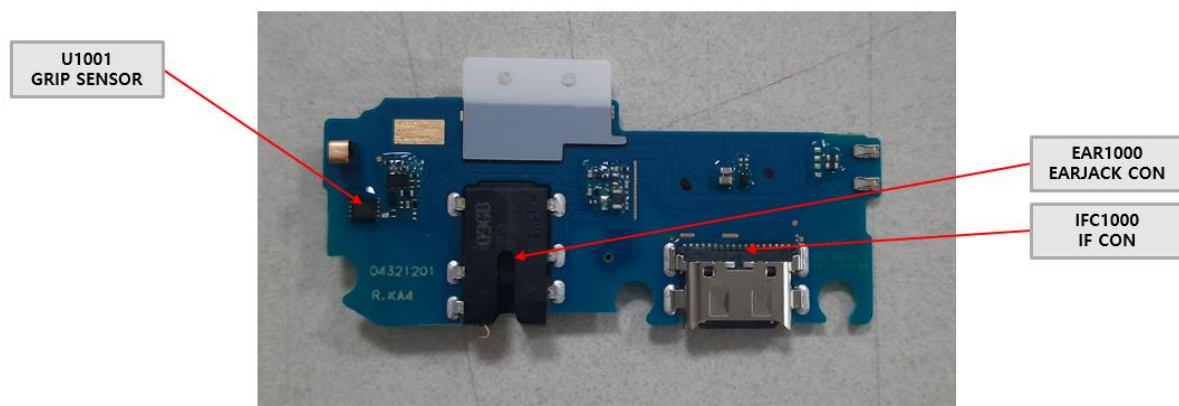


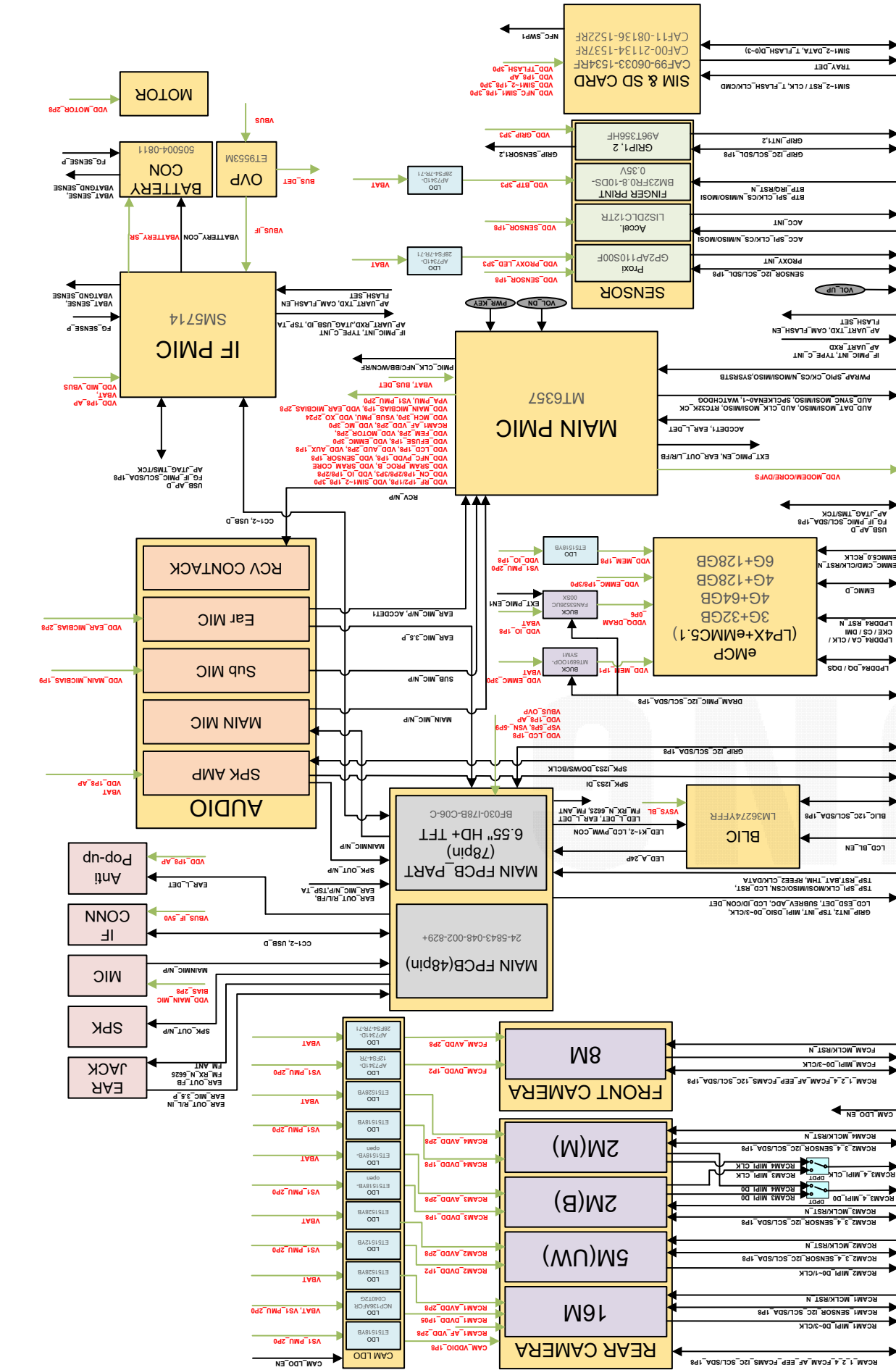
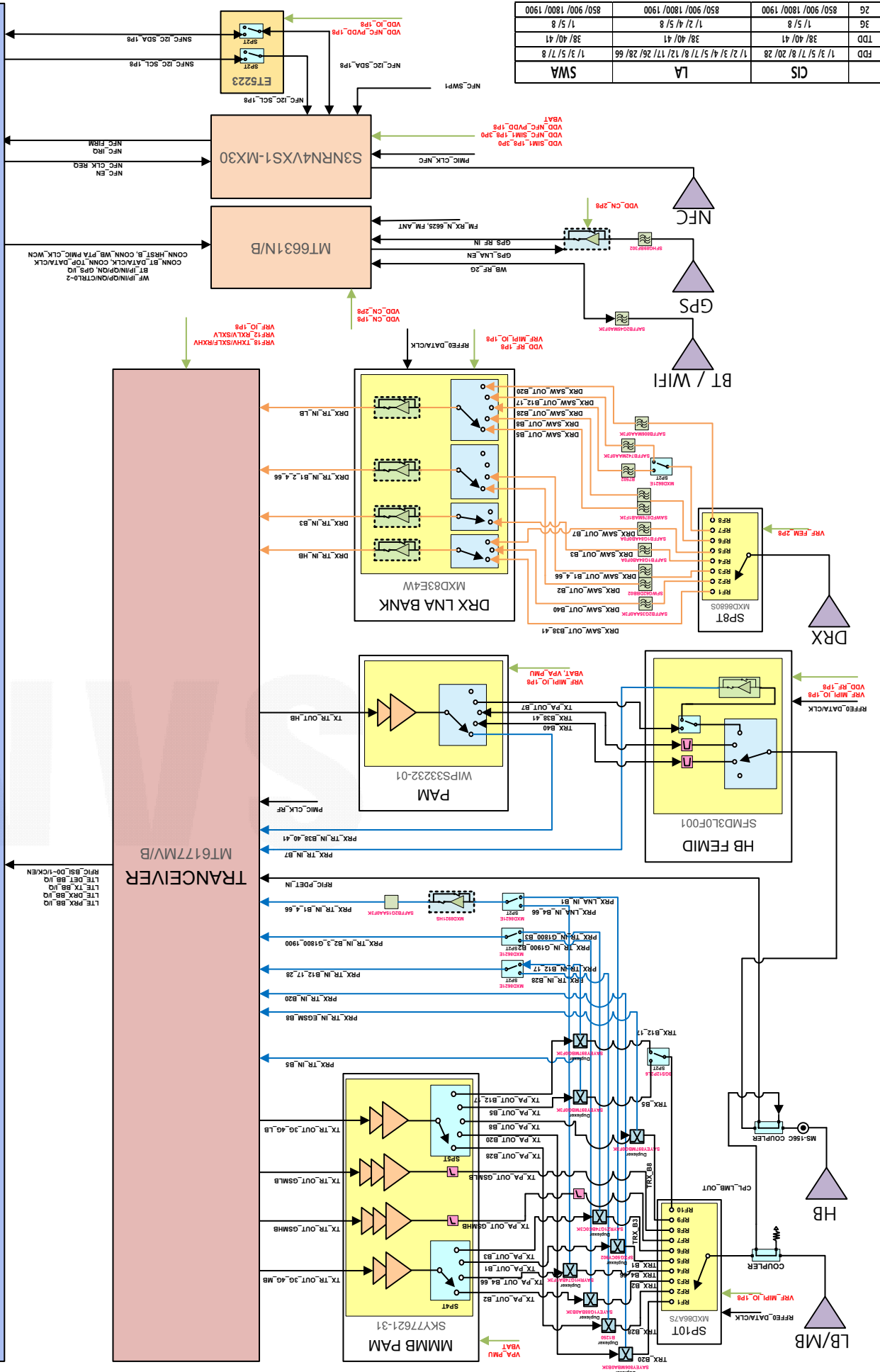
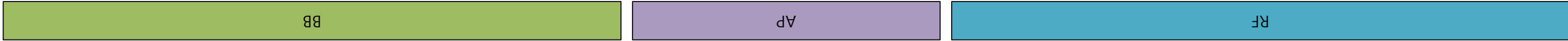
8. Level 3 Repair

SUB PBA (TOP SIDE)



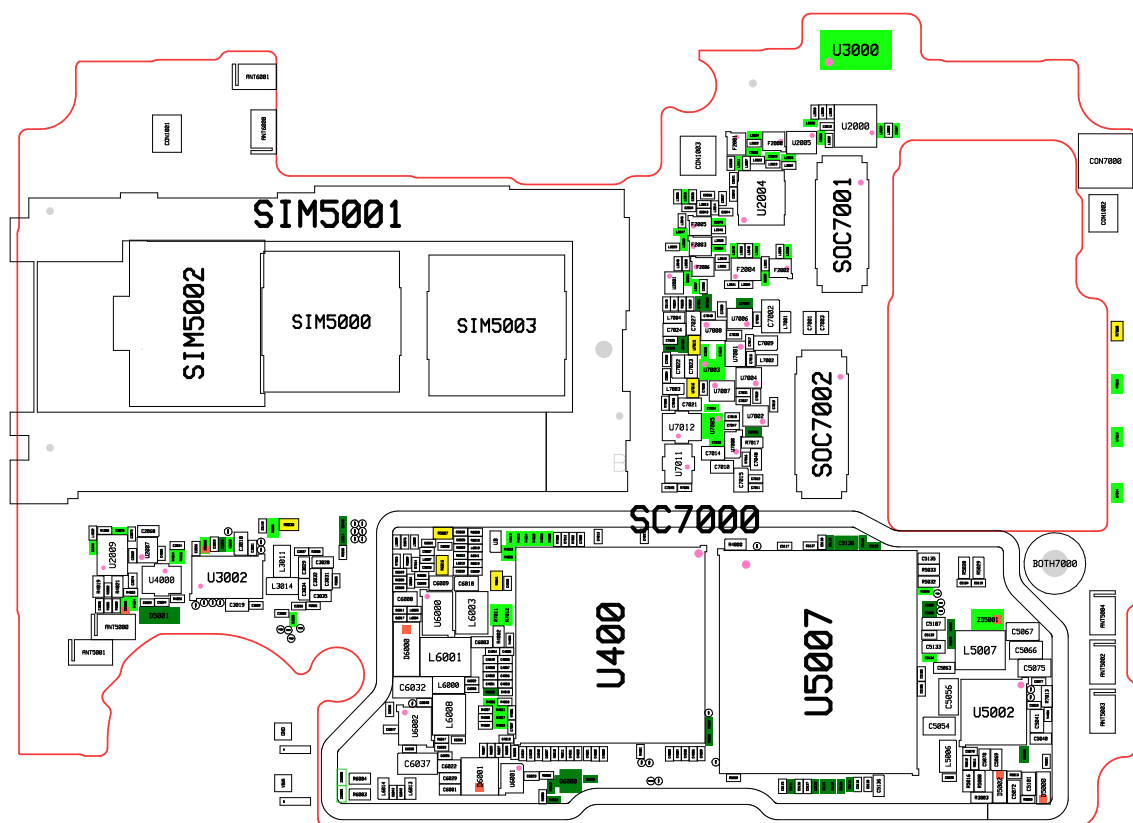
SUB PBA (BOTTOM SIDE)





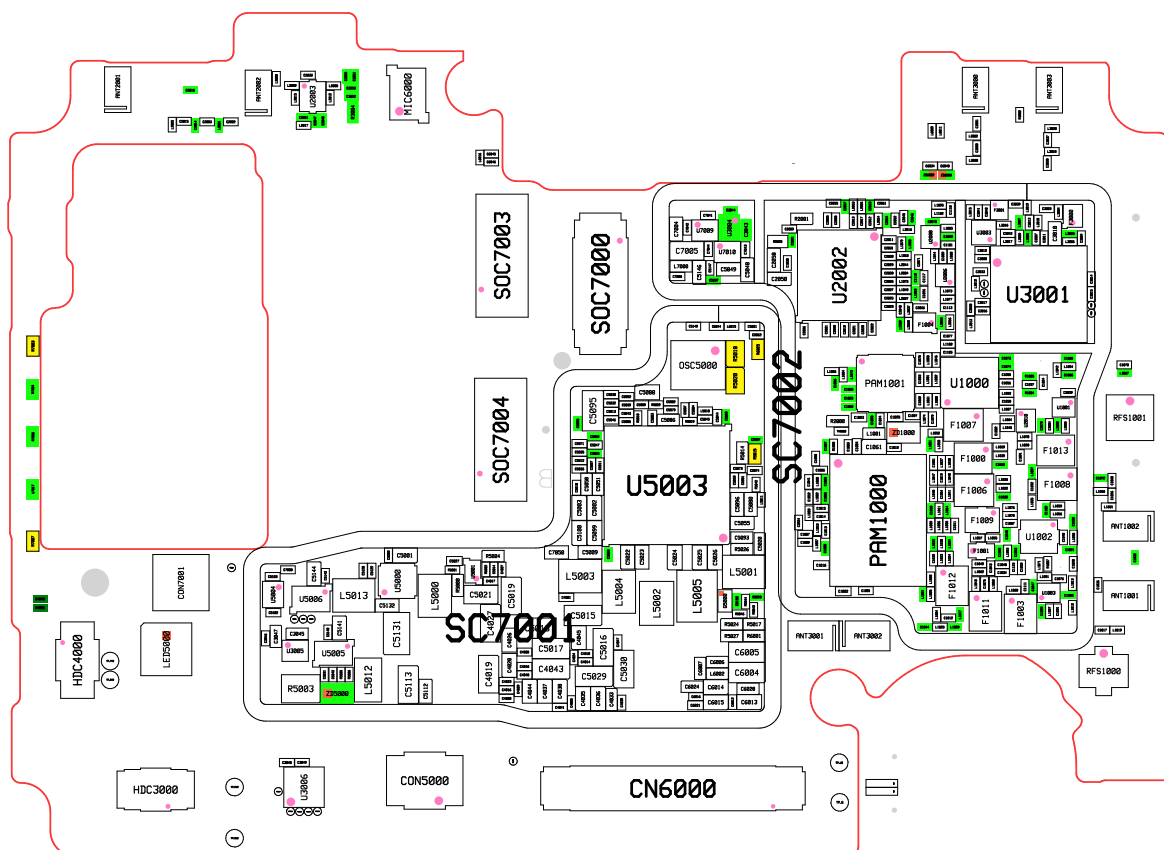
		CIS		LA	SWA
FDD	1/3/5/7/8/17/20/28	1/2/3/4/5/7/8/12/17/26/28/66	38/40/41	38/40/41	38/40/41
TDD	1/5/8	1/5/8	1/5/8	1/5/8	1/5/8
36					
26	850/900/1800/1900	850/900/1800/1900	850/900/1800/1900	850/900/1800/1900	850/900/1800/1900

Created date of PCB data : 2020/10/22 18:57:23



VX_Setup(2020-09-29)_HHP

Created date of PCB data : 2020/10/22 18:57:23



Created date of PCB data : 2020/10/19 19:00:21

[illegible]

Model :
Revision :
Manufacture Count :
Charge :
Contact :
Date :
Routing :
Resin :

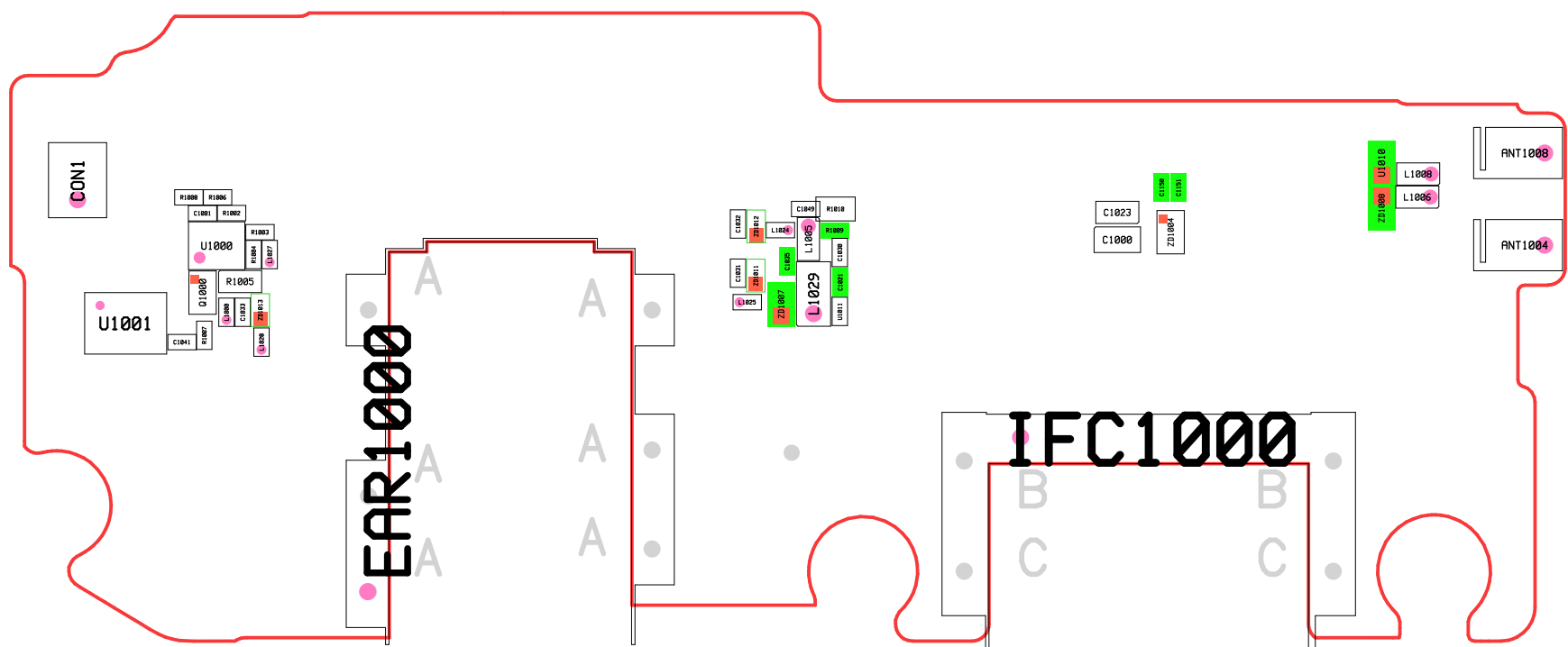
Created date of PCB data : 2020/10/19 19:00:21



Model :
Revision :
Manufacture Count :
Charge :
Contact :
Date :
Routing :
Resin :

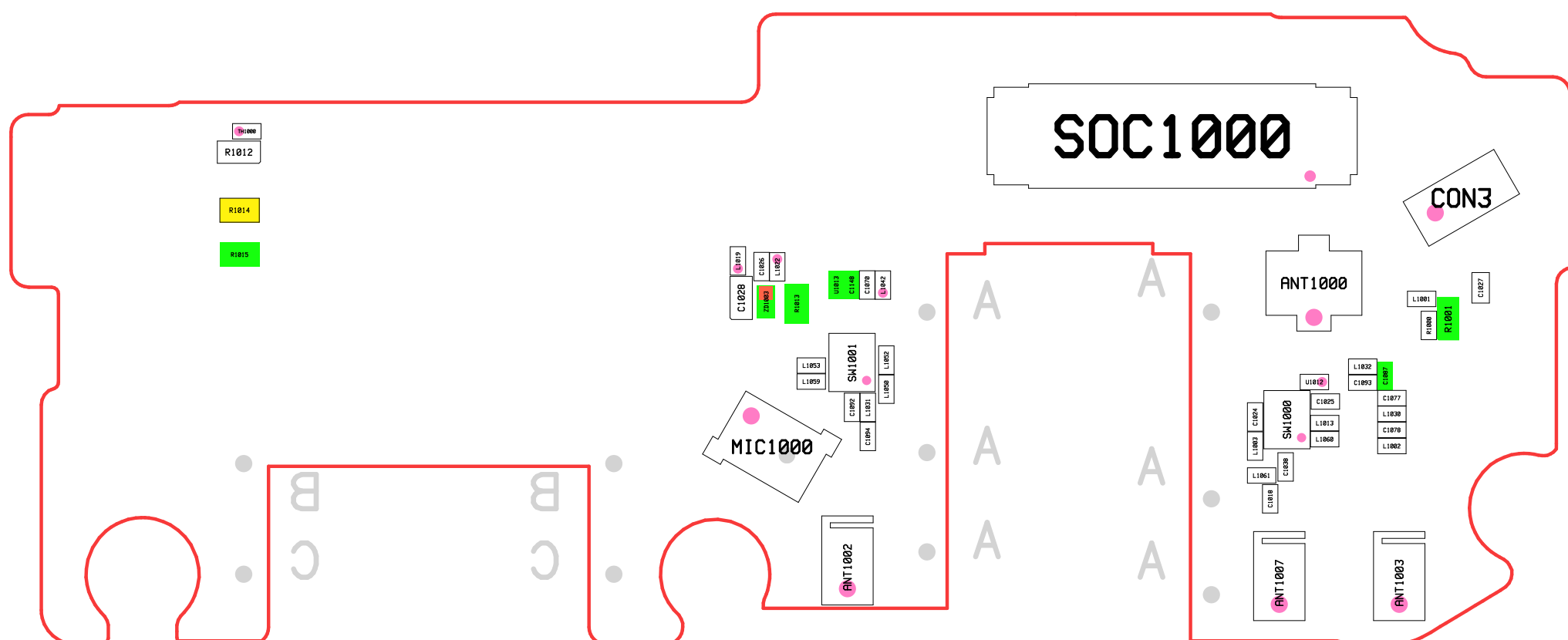
Model :
Revision :
Manufacture Count :
Charge :
Contact :
Date :
Routing :
Resin :

Created date of PCB data : 2020/10/14 17:32:21



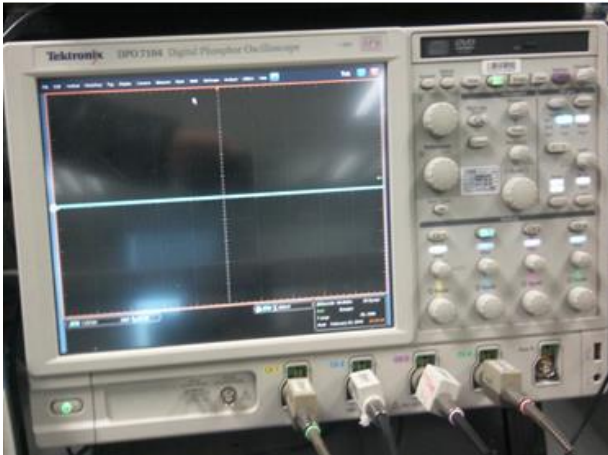
3 data : 2020/10/14 17:32:21

The graph shows a red line that starts at (0, 1.0), remains constant at 1.0 until t=1, and then decreases linearly to 0.0 at t=2.



8. Level 3 Repair

8-2. Flow chart of Troubleshooting.



Oscilloscope



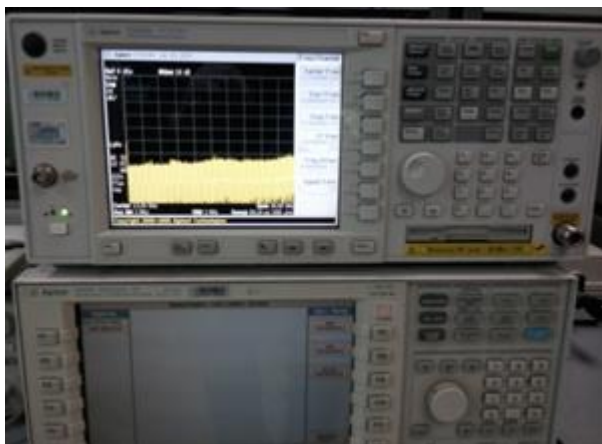
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



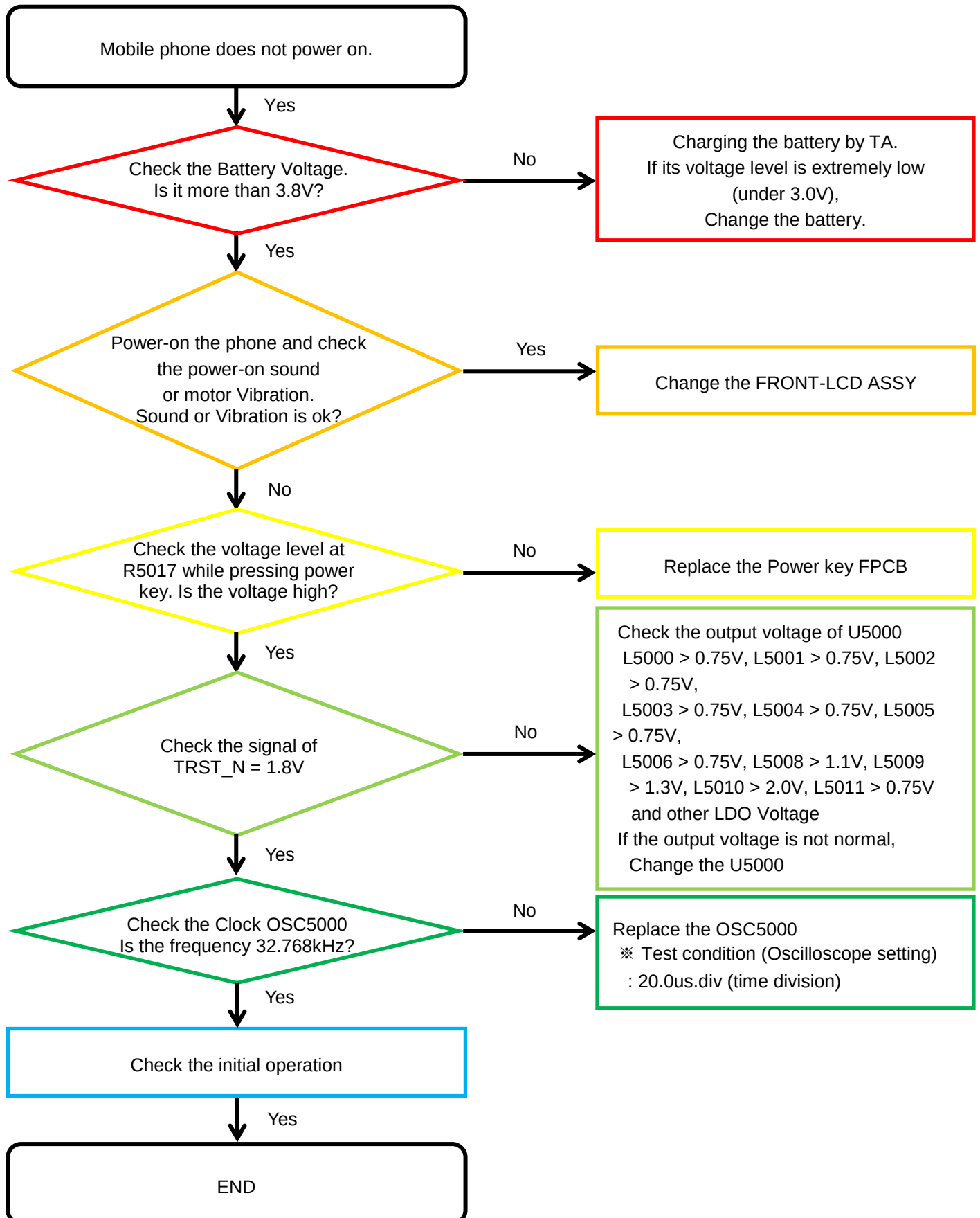
8960 & Spectrum Analyzer



Soldering iron

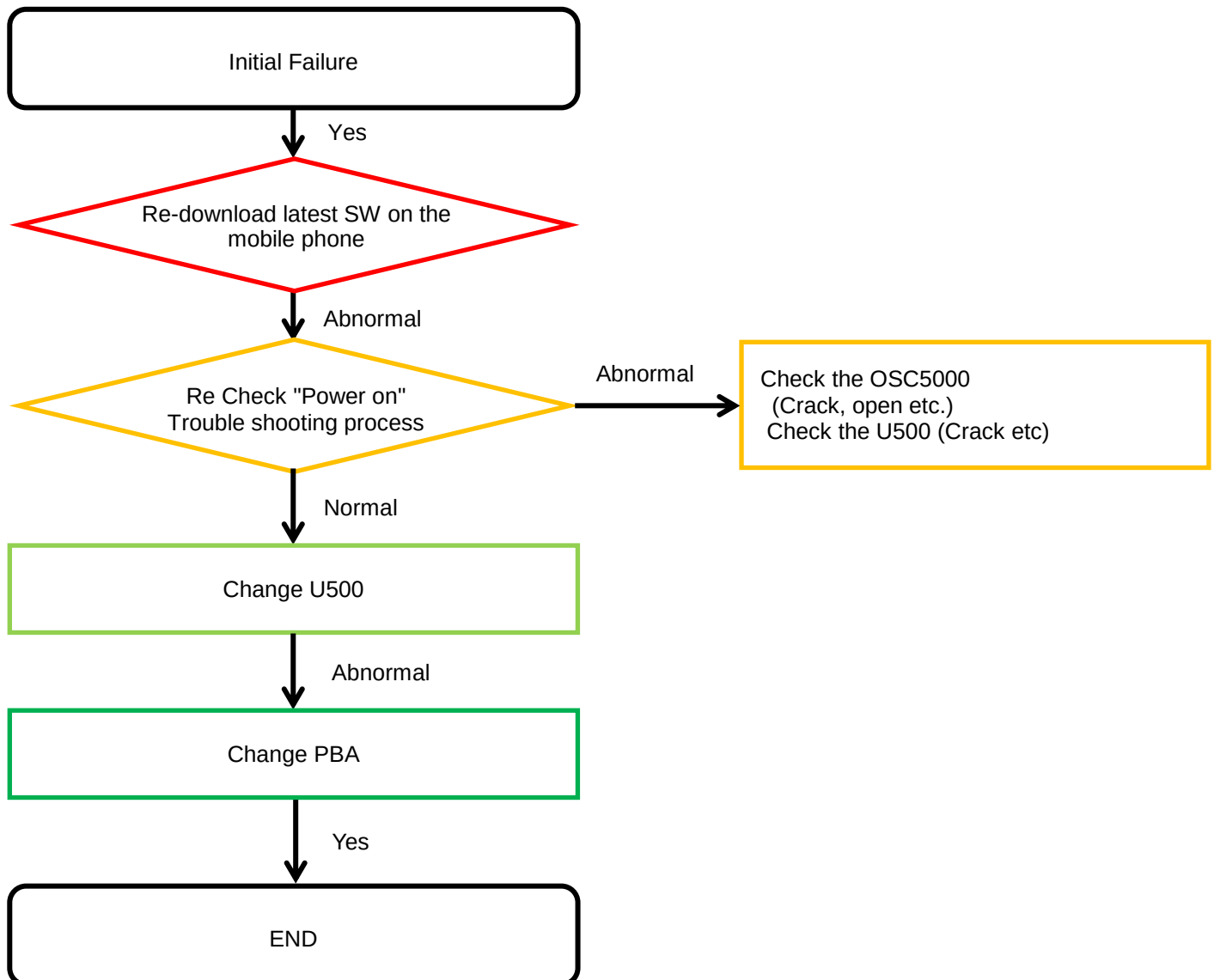
8. Level 3 Repair

8-3-1. Power On



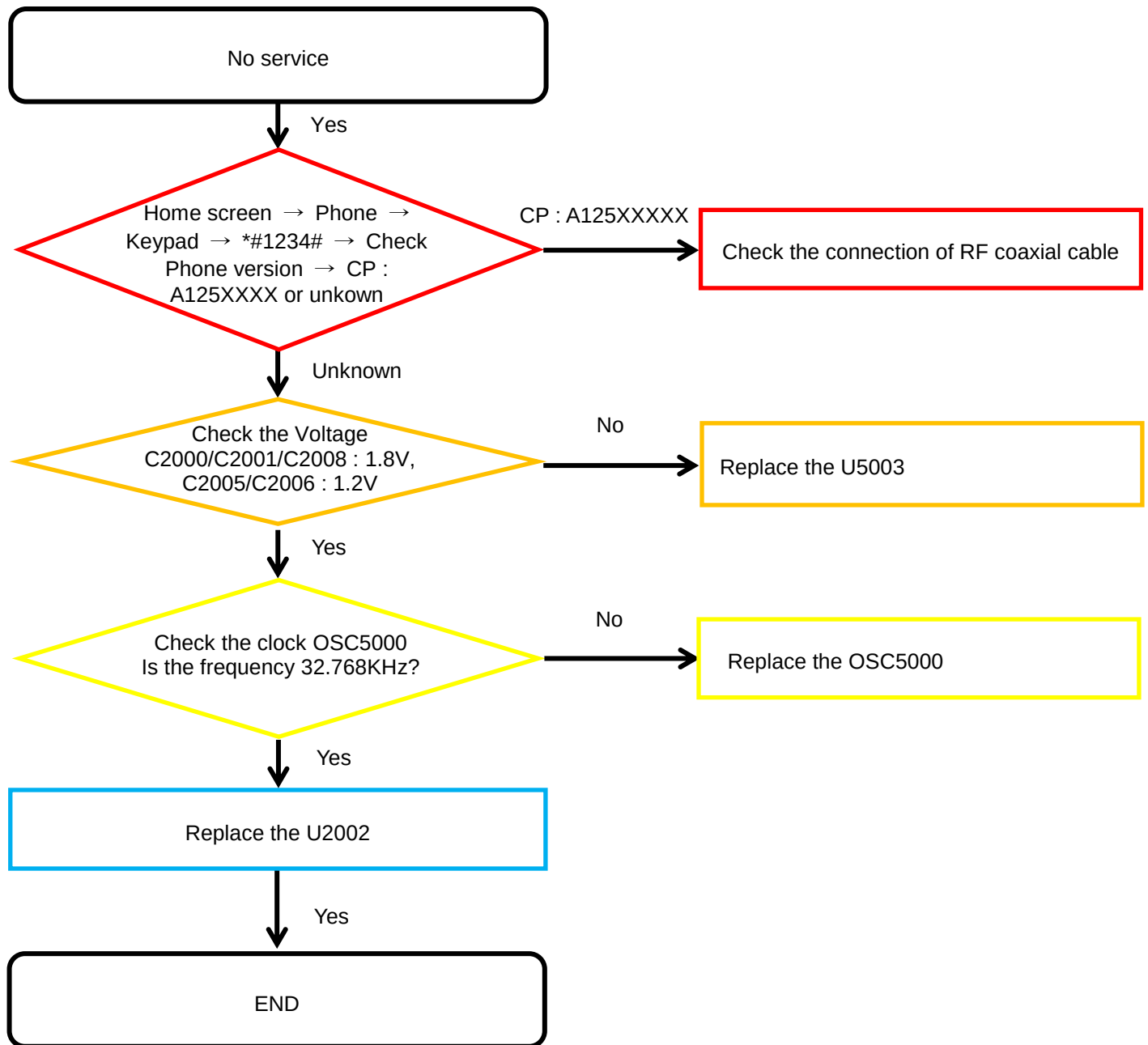
8. Level 3 Repair

8-3-2. Initial



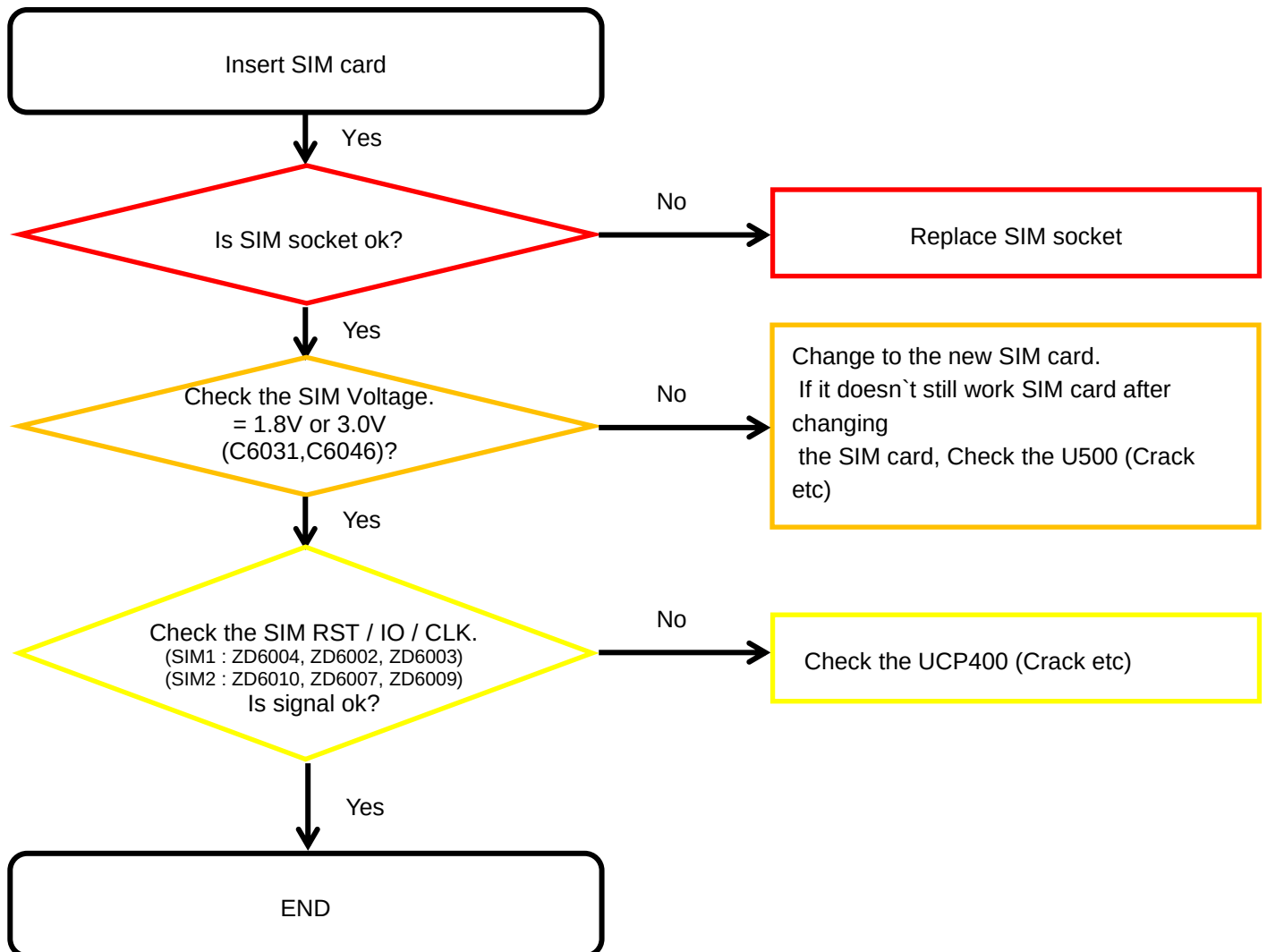
8. Level 3 Repair

8-3-3. No Service



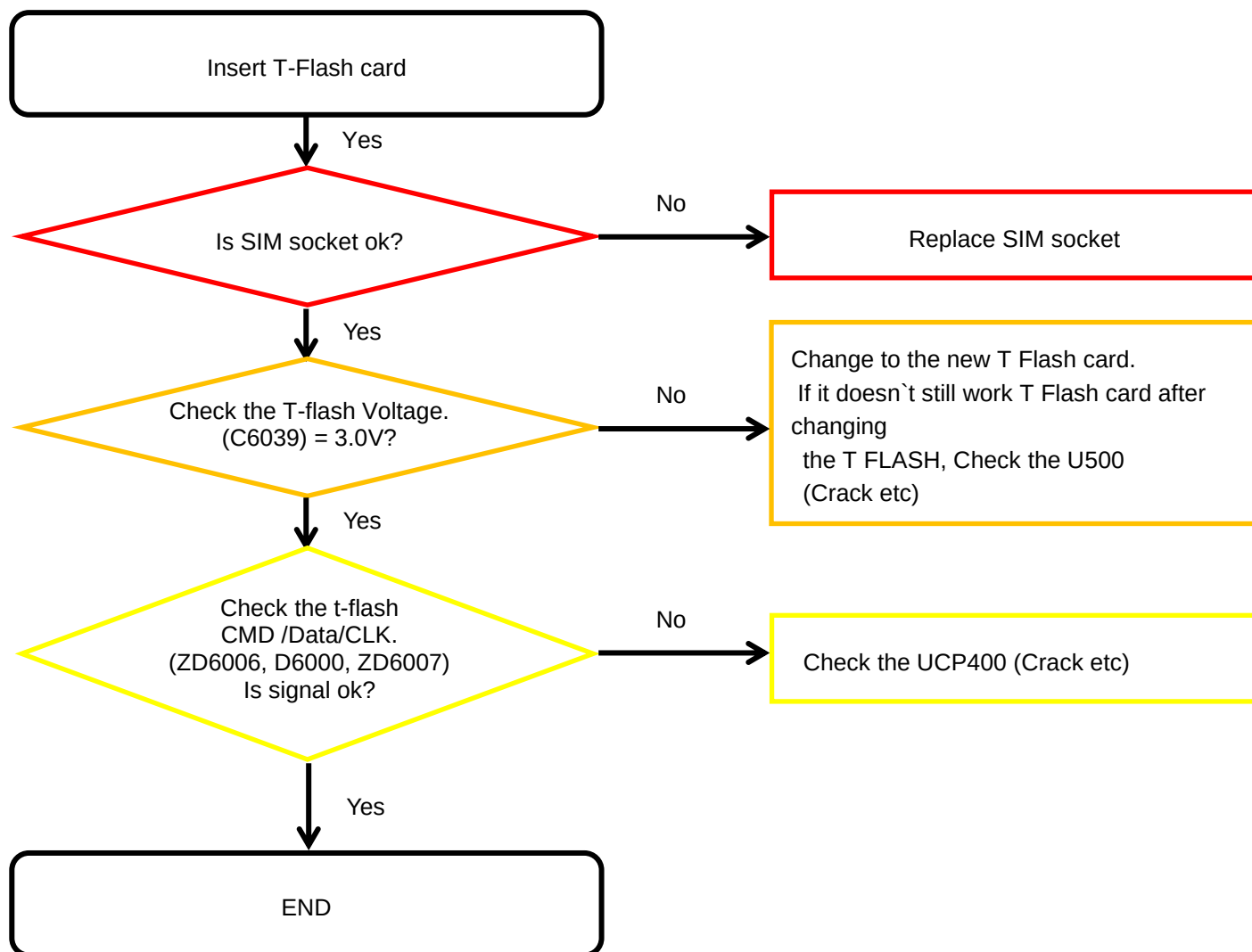
8. Level 3 Repair

8-3-4. SIM Part



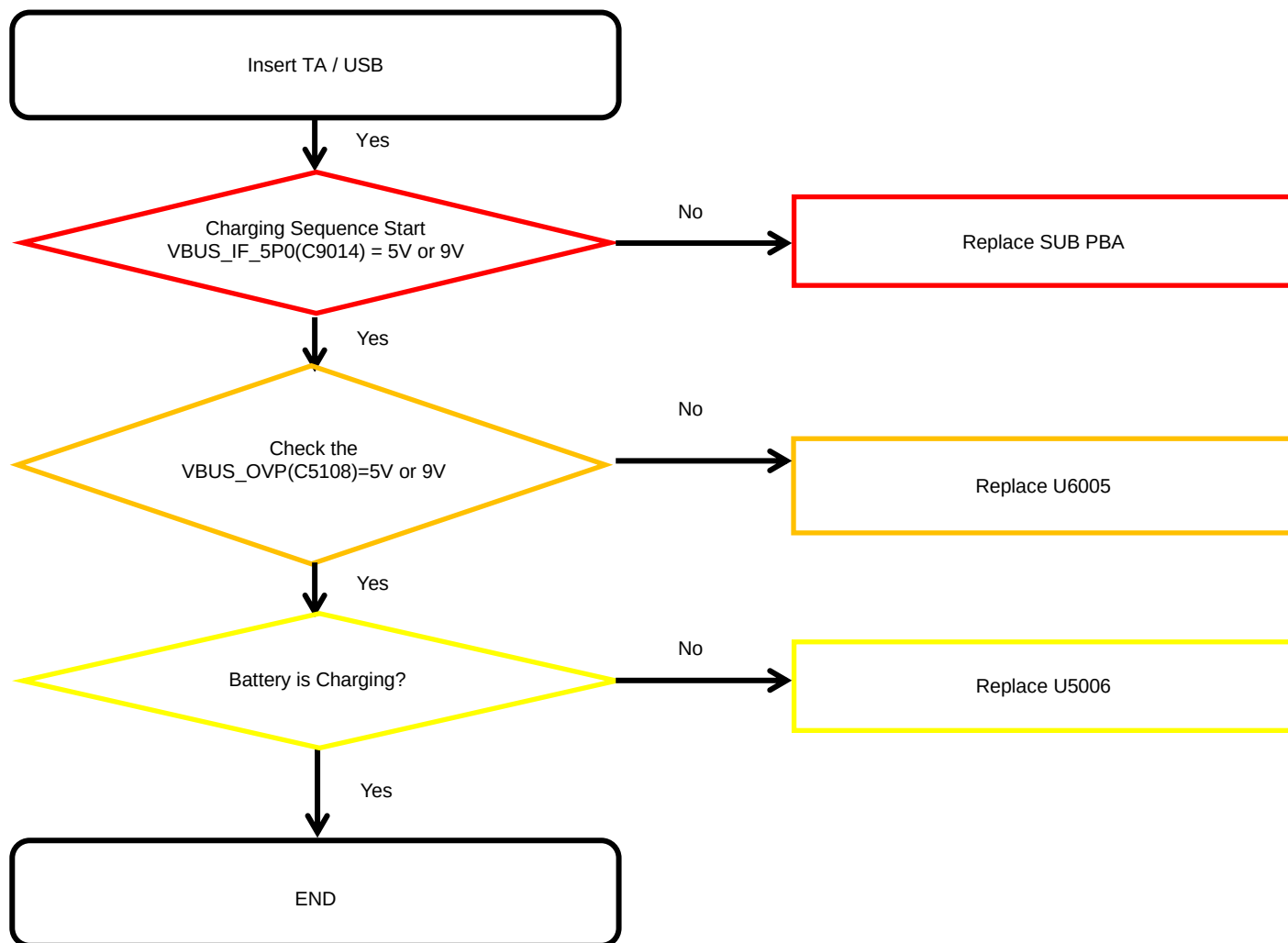
8. Level 3 Repair

8-3-5. T-Flash Part



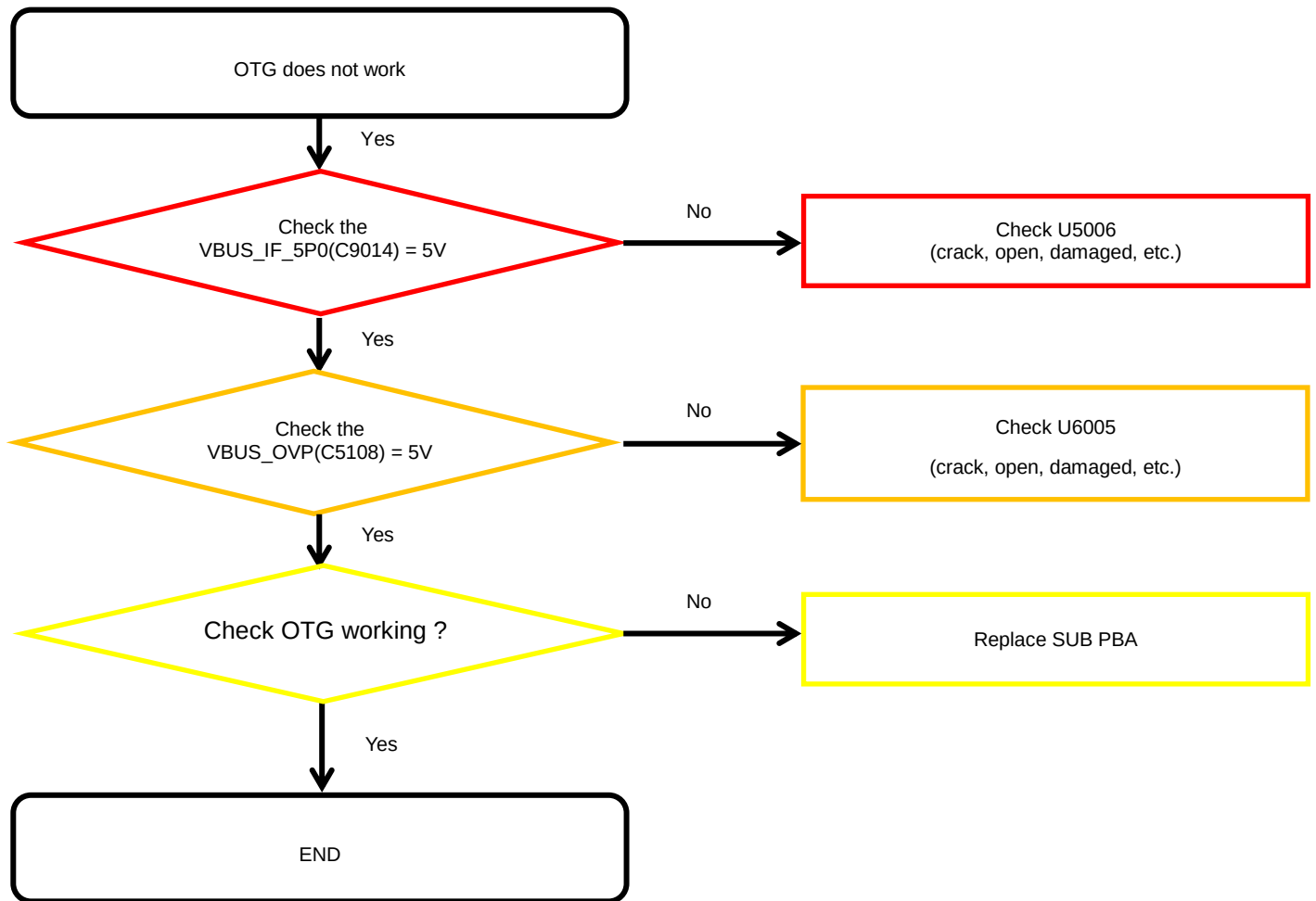
8. Level 3 Repair

8-3-6. Cable Charging Part



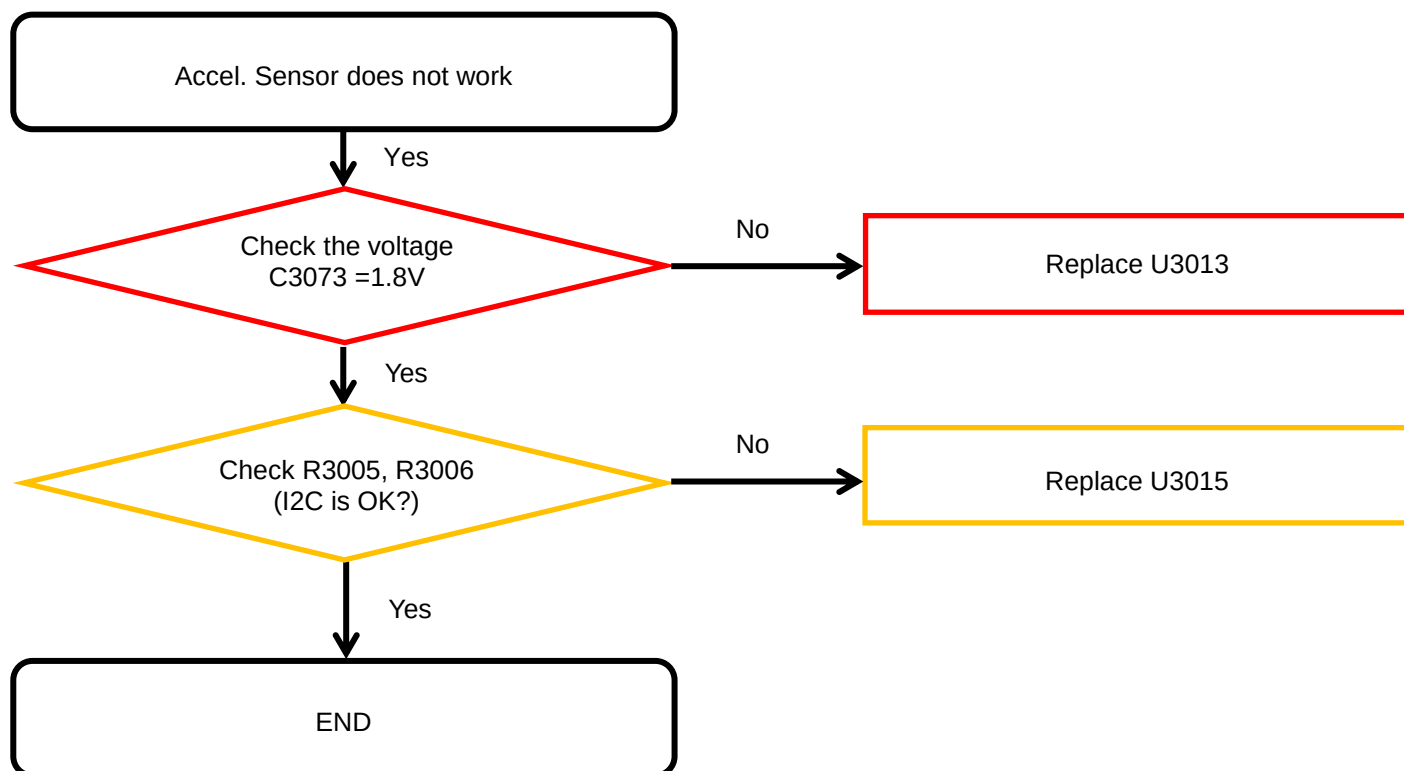
8. Level 3 Repair

8-3-7. OTG



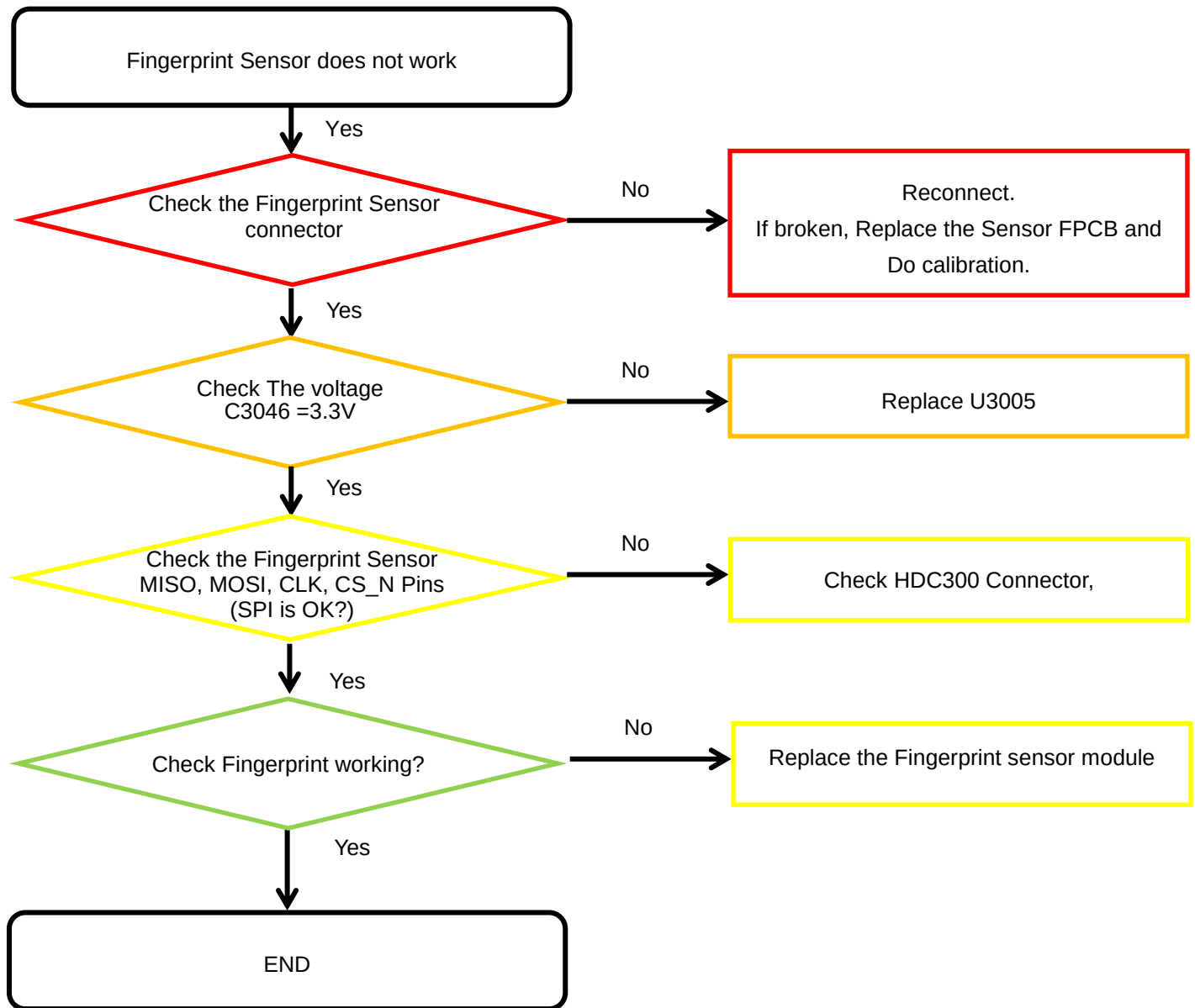
8. Level 3 Repair

8-3-8-1. Accel. Sensor



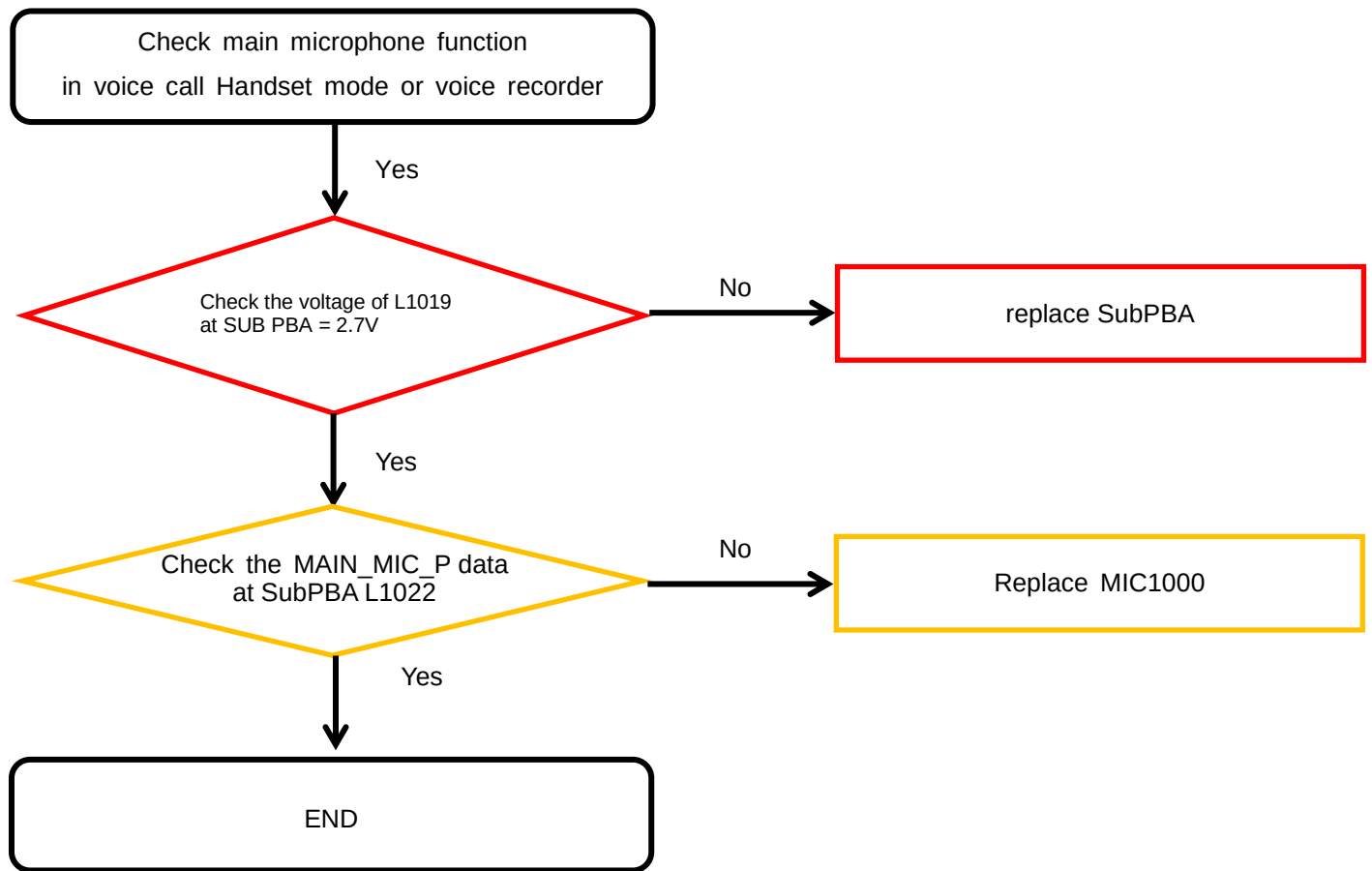
8. Level 3 Repair

8-3-8-2. Fingerprint Sensor



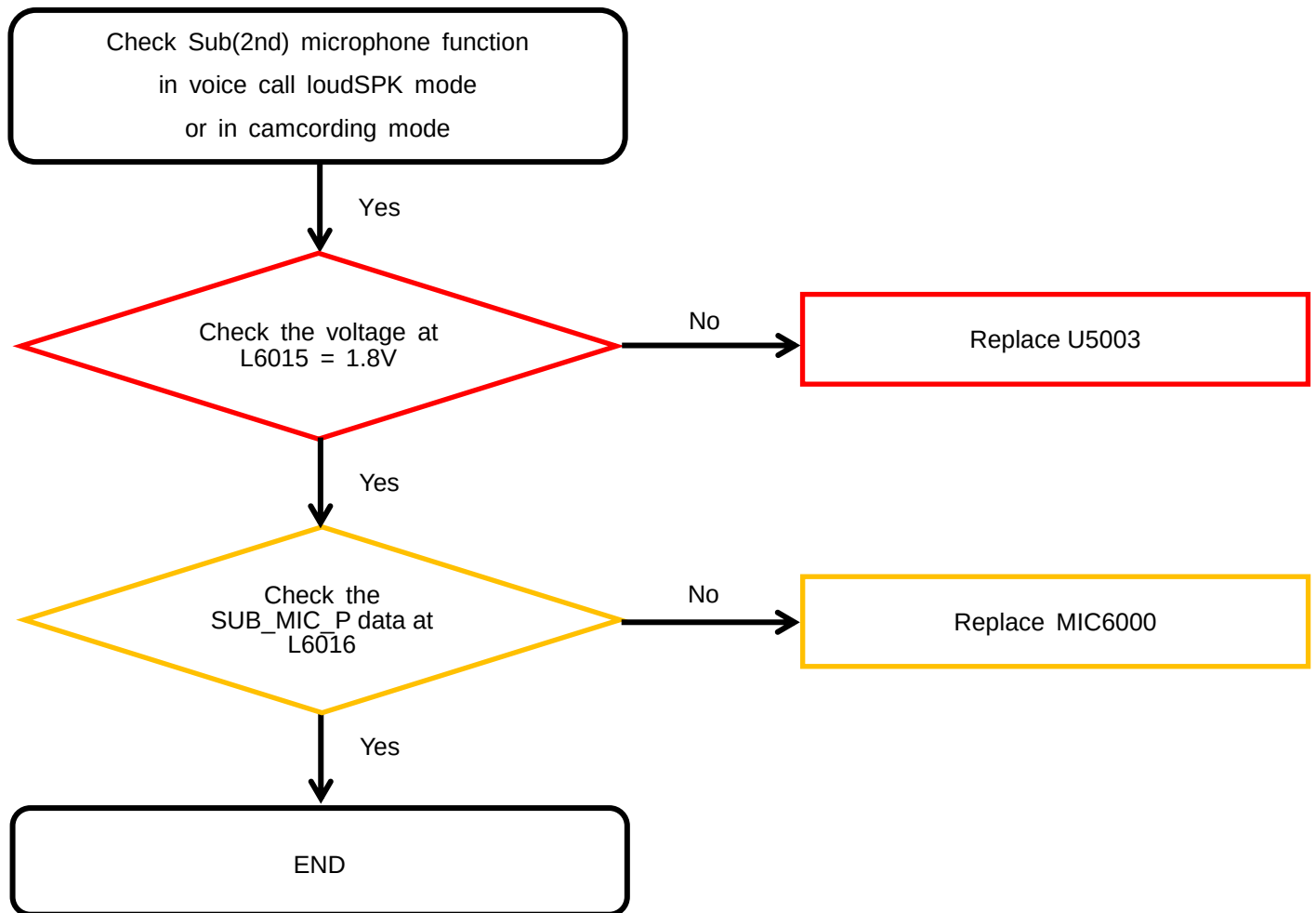
8. Level 3 Repair

8-3-9-1. Microphone Part - Main MIC



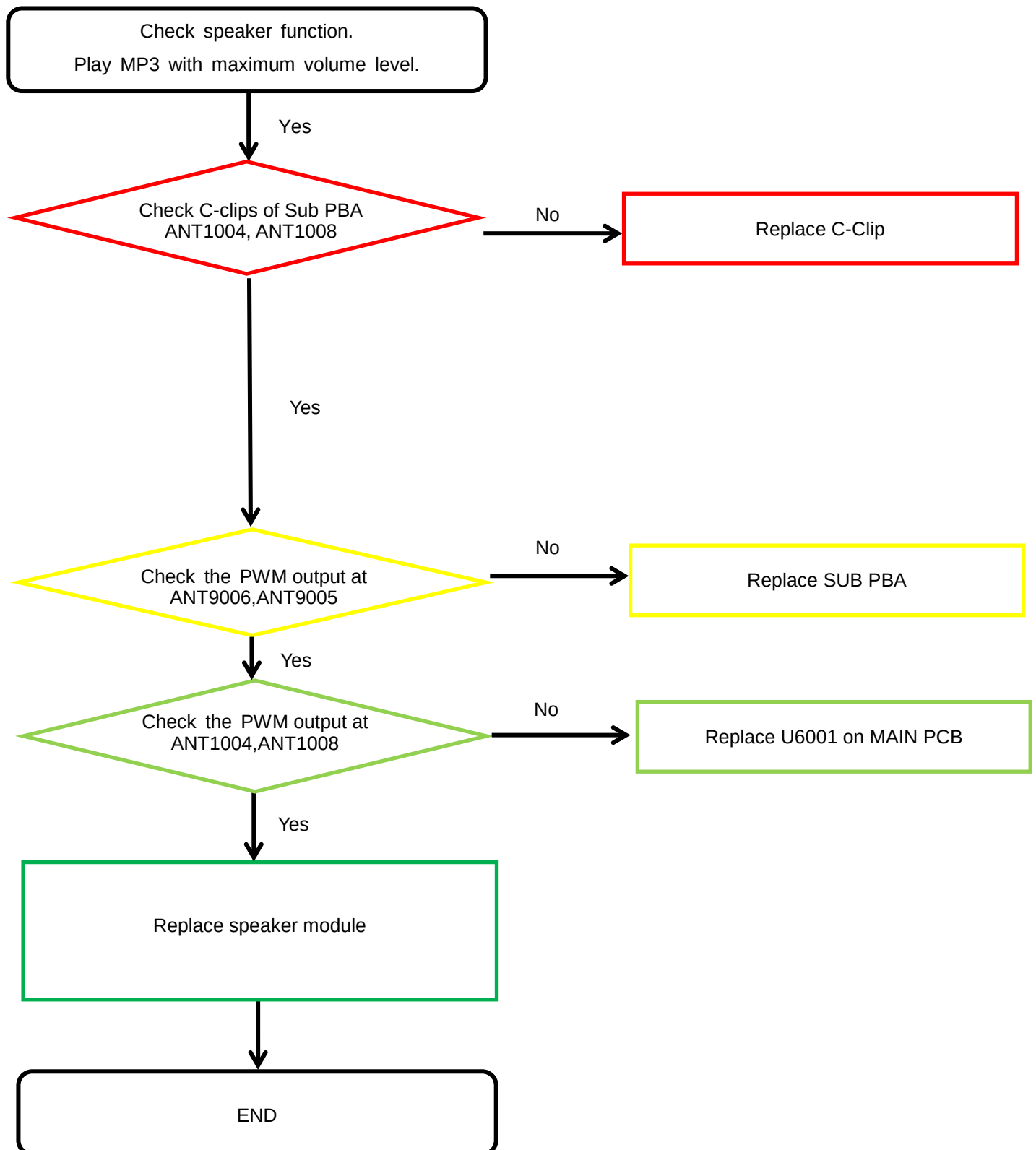
8. Level 3 Repair

8-3-9-2. Microphone Part - Sub(2nd) MIC



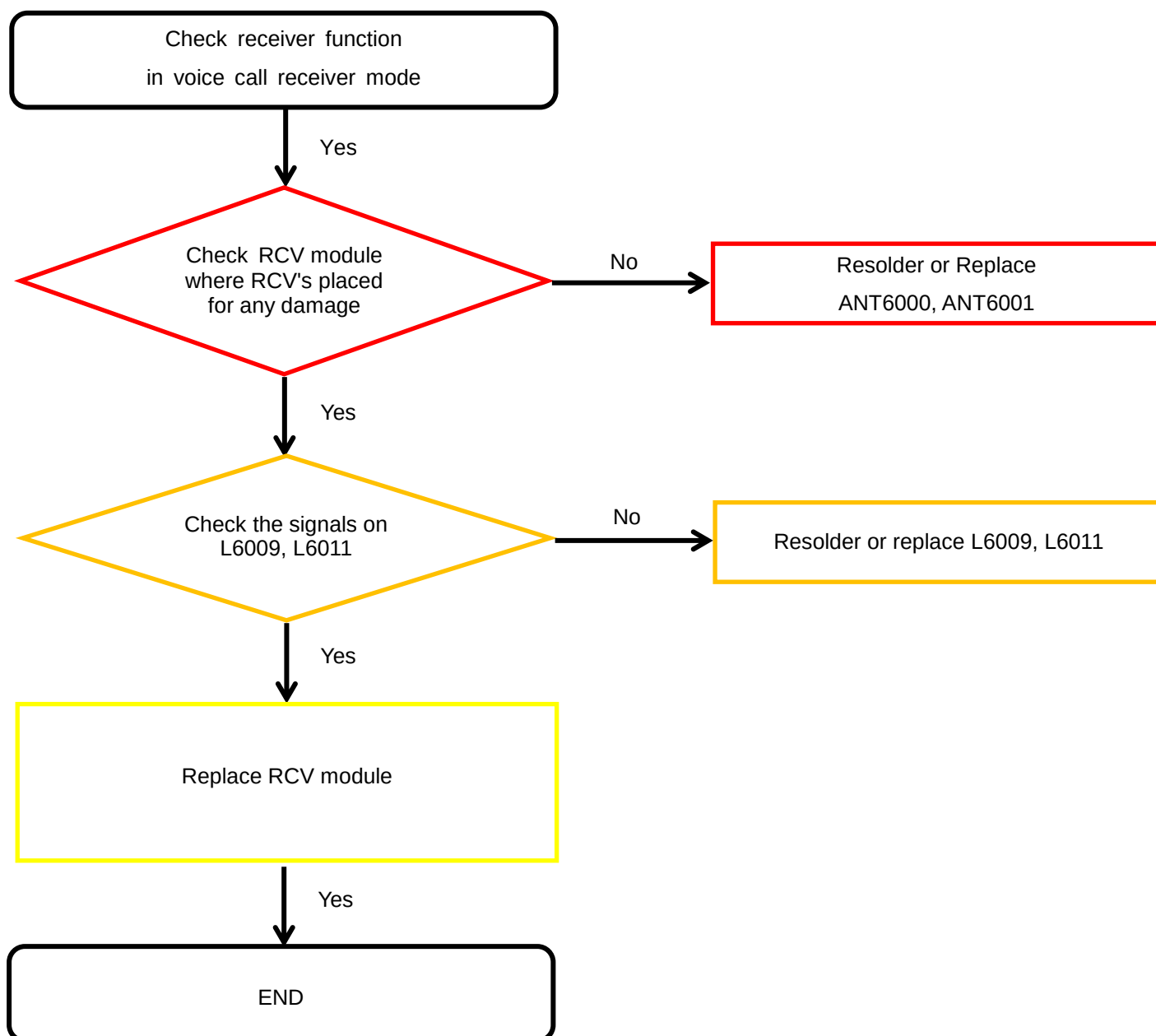
8. Level 3 Repair

8-3-10. Speaker Part



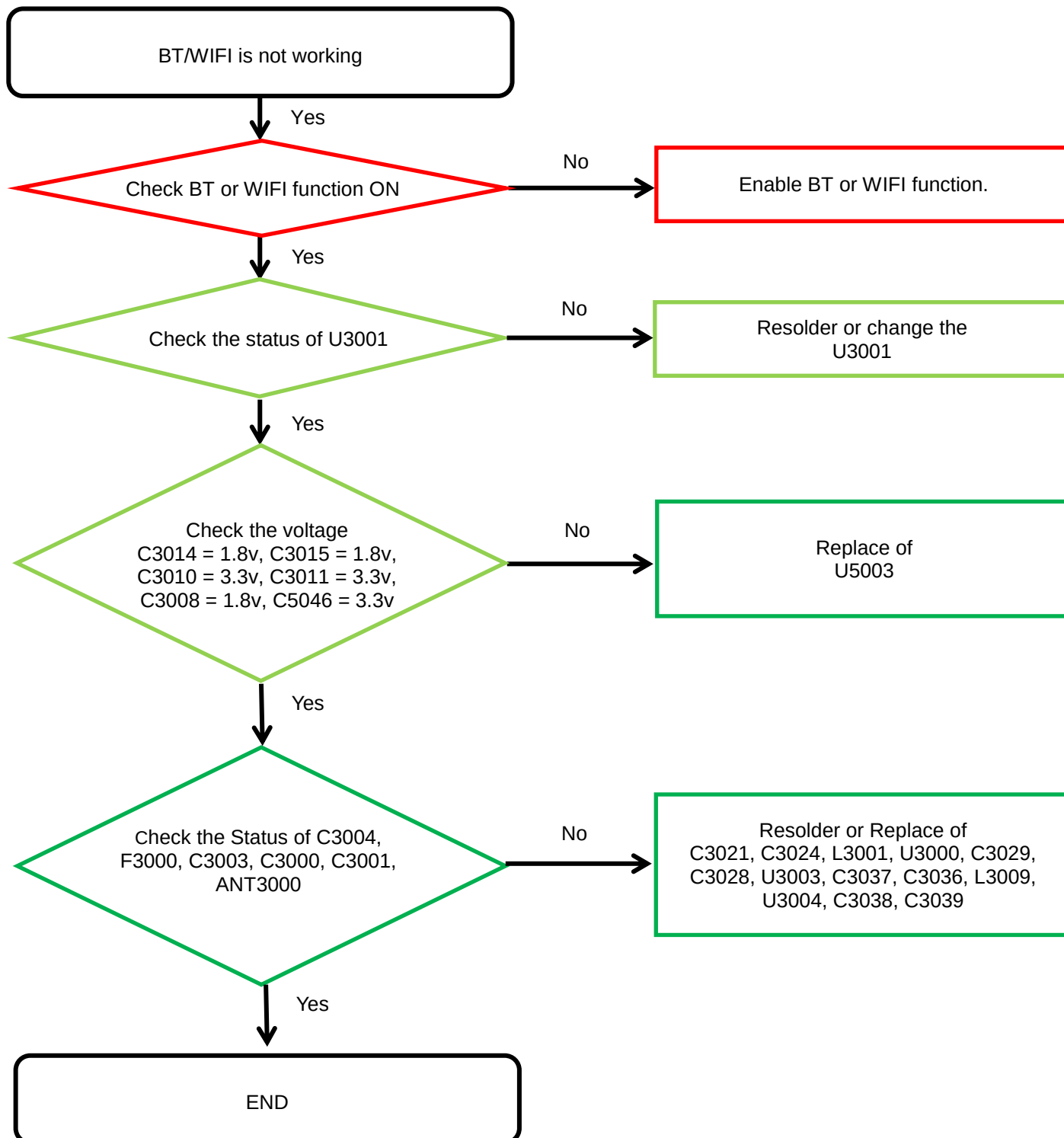
8. Level 3 Repair

8-3-11. Receiver Part



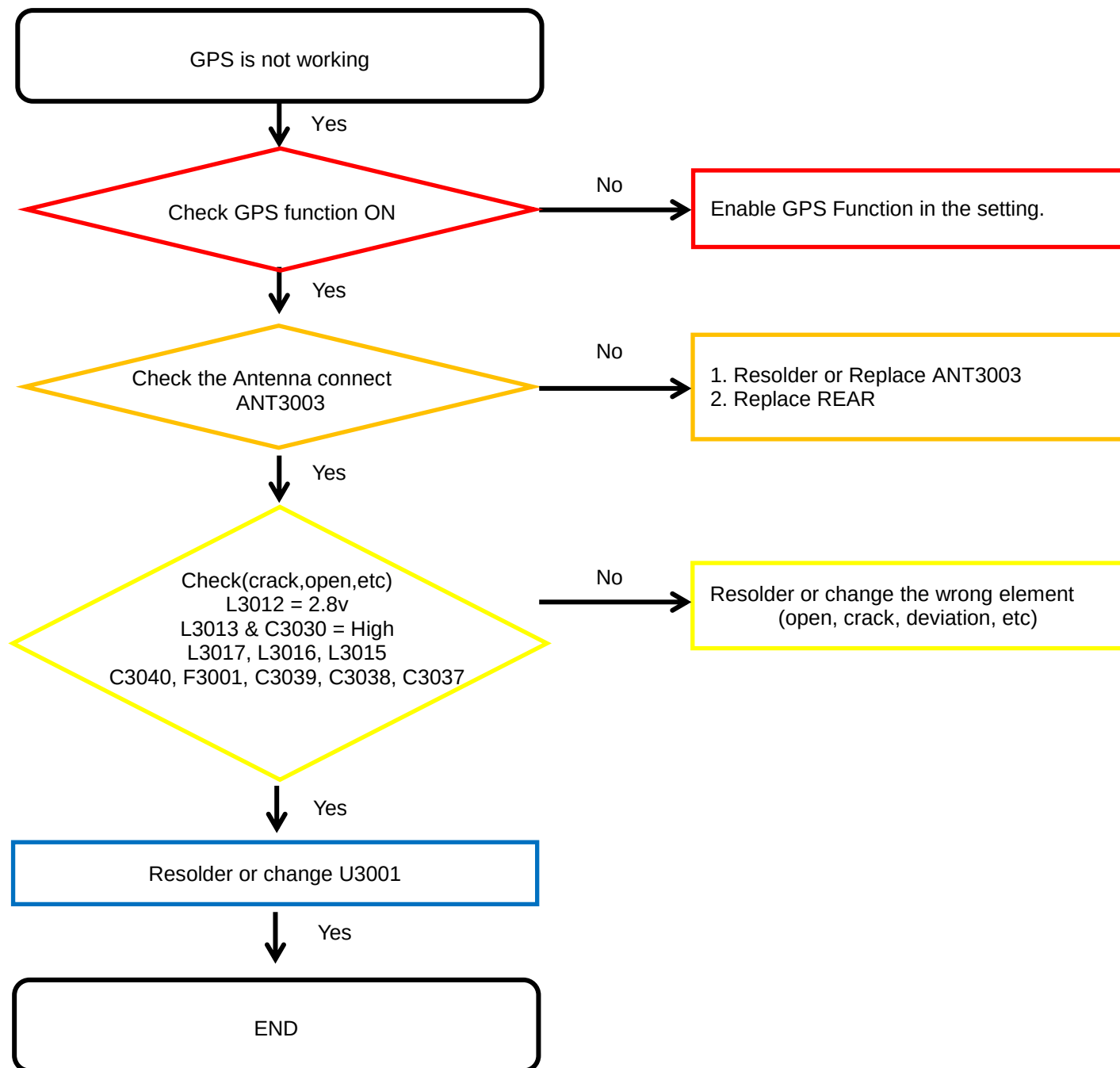
8. Level 3 Repair

8-3-12. BT/WIFI



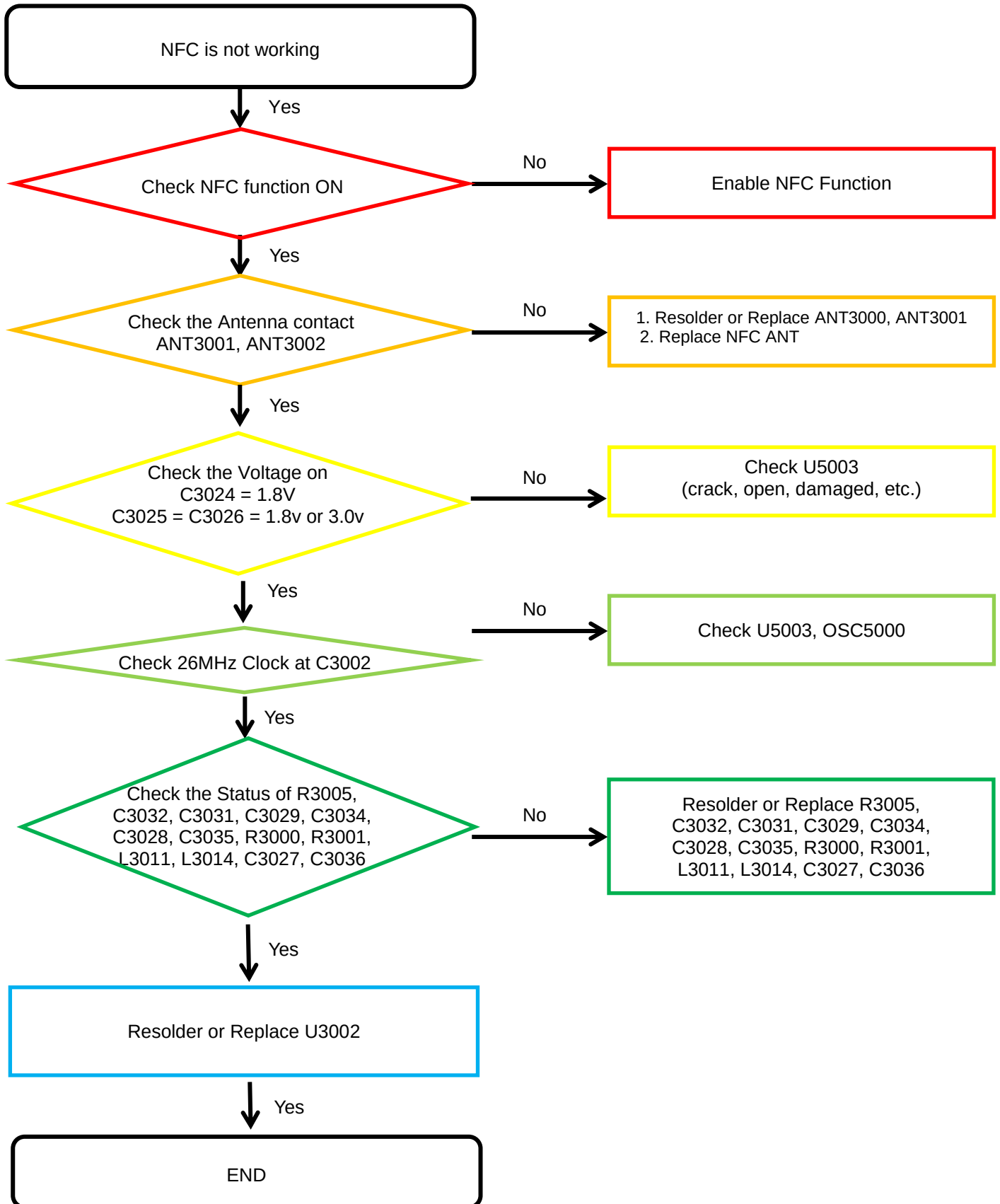
8. Level 3 Repair

8-3-13. GPS



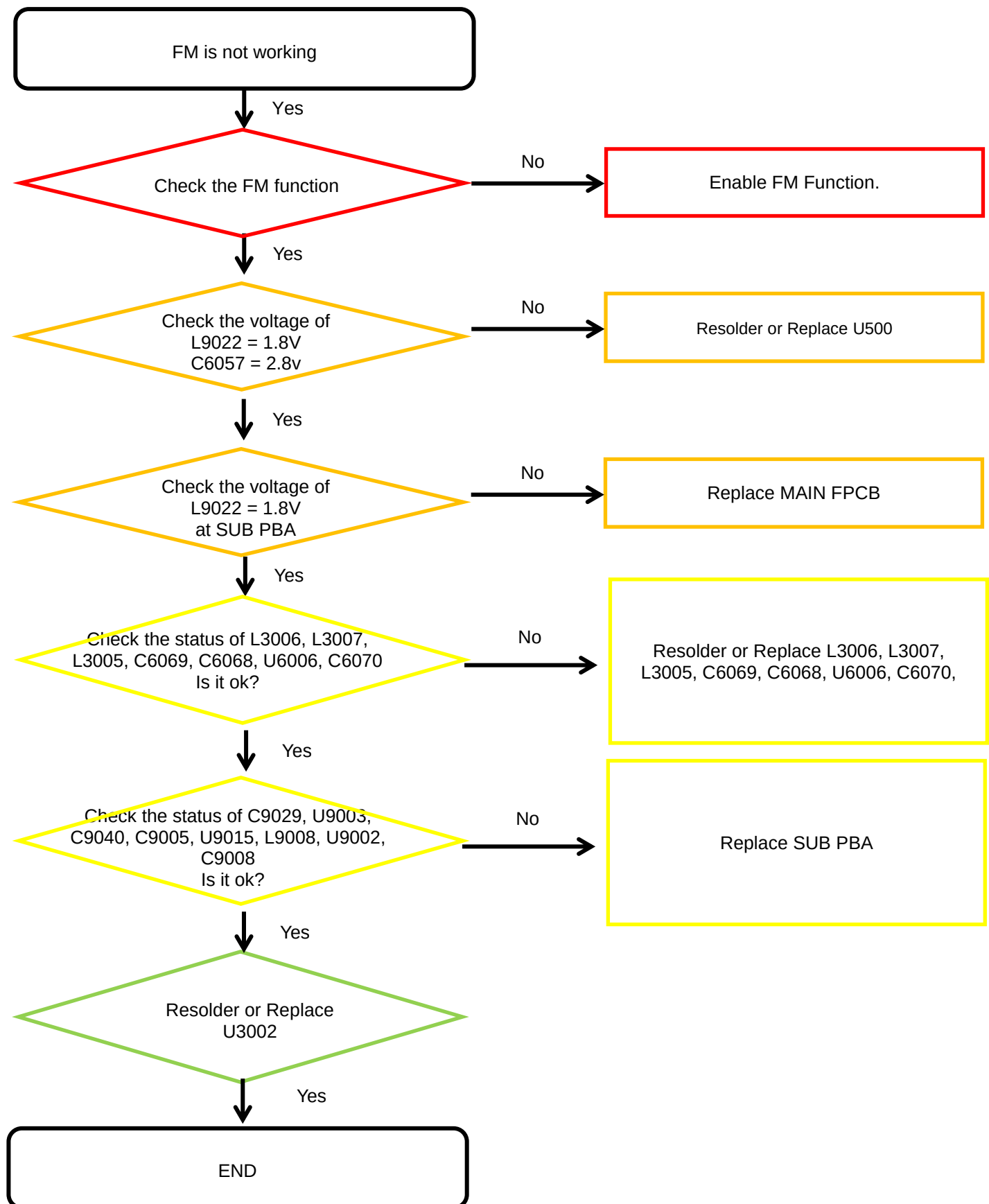
8. Level 3 Repair

8-3-14. NFC



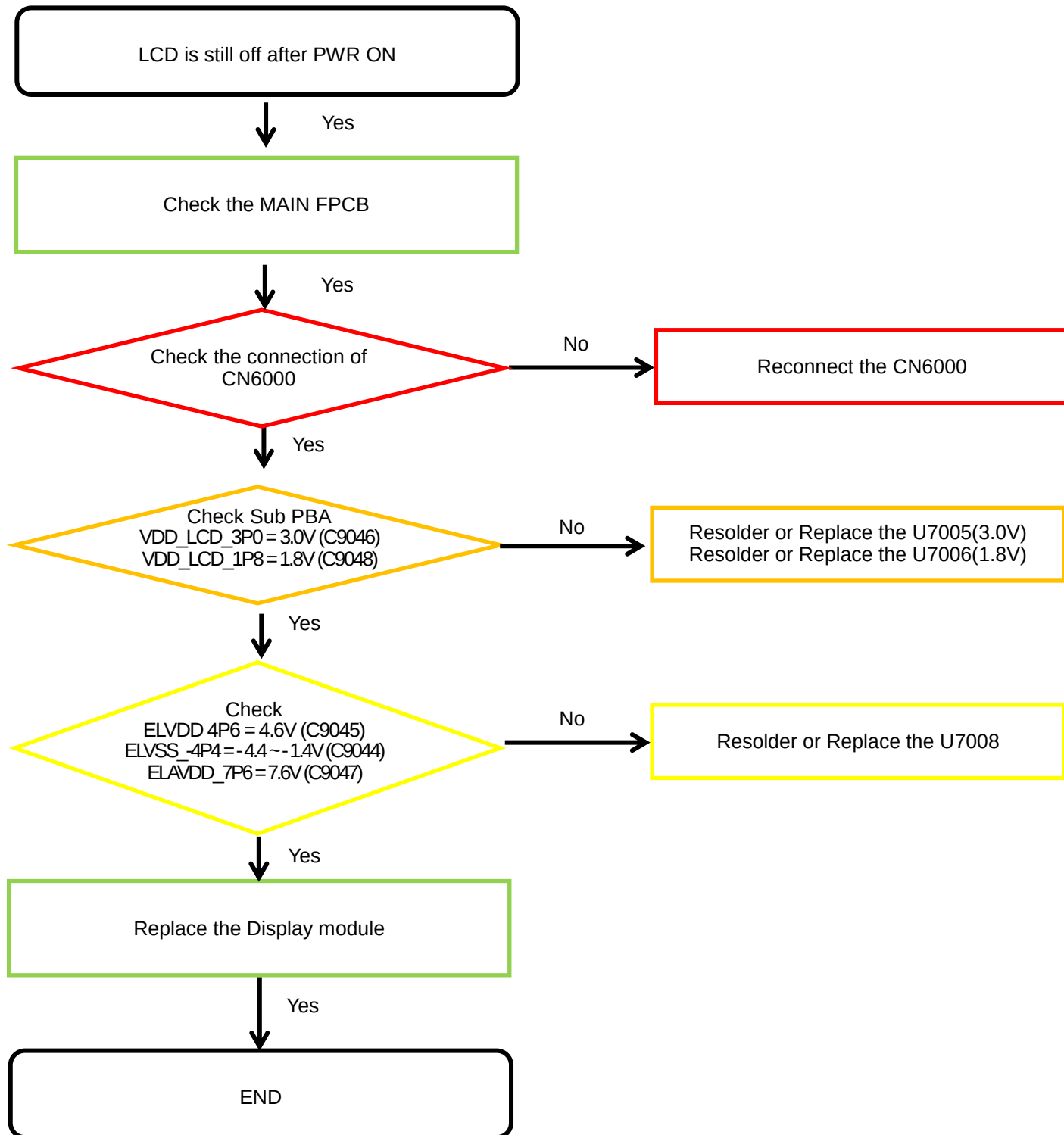
8. Level 3 Repair

8-3-15. FM radio part



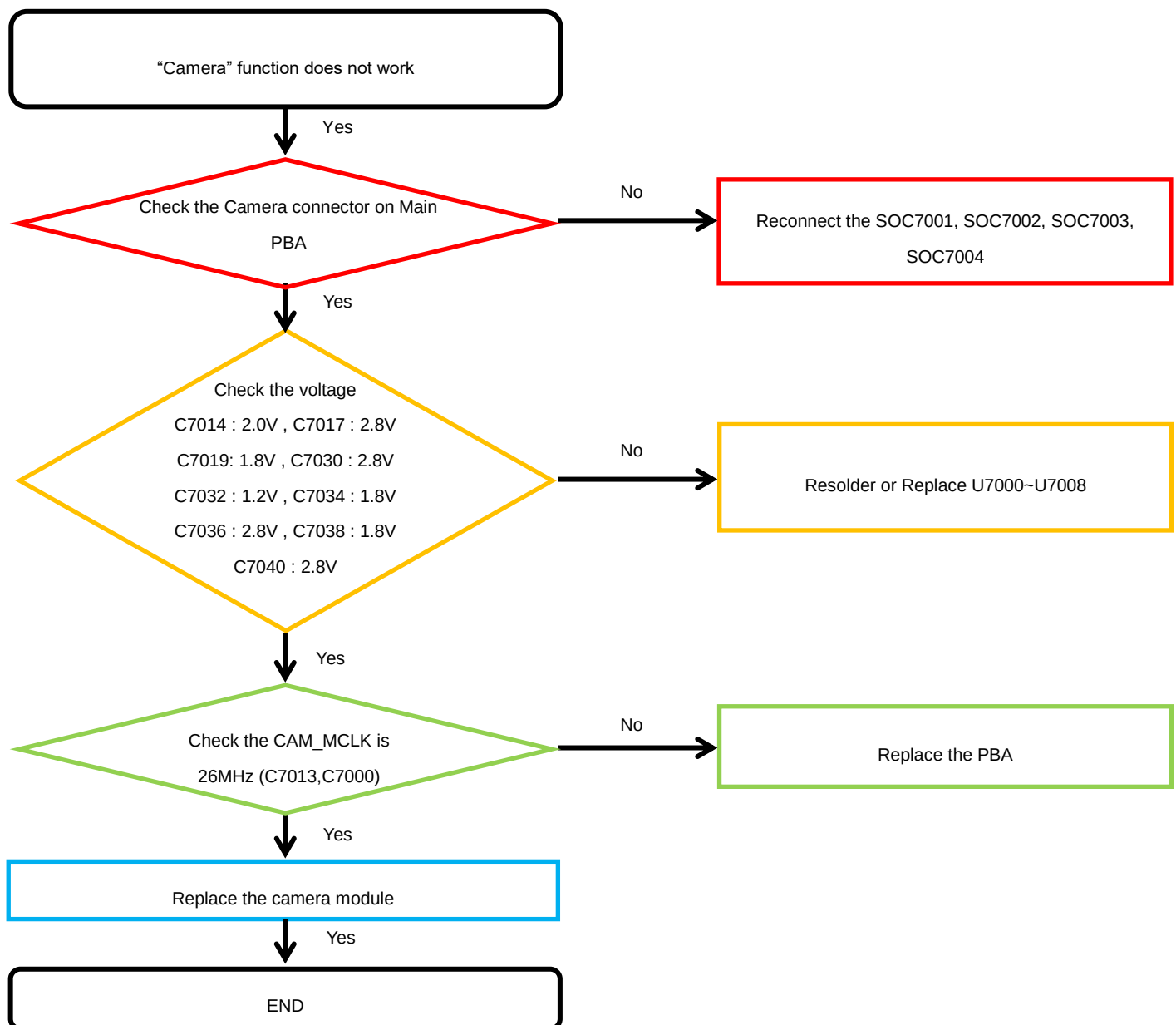
8. Level 3 Repair

8-3-16. Display



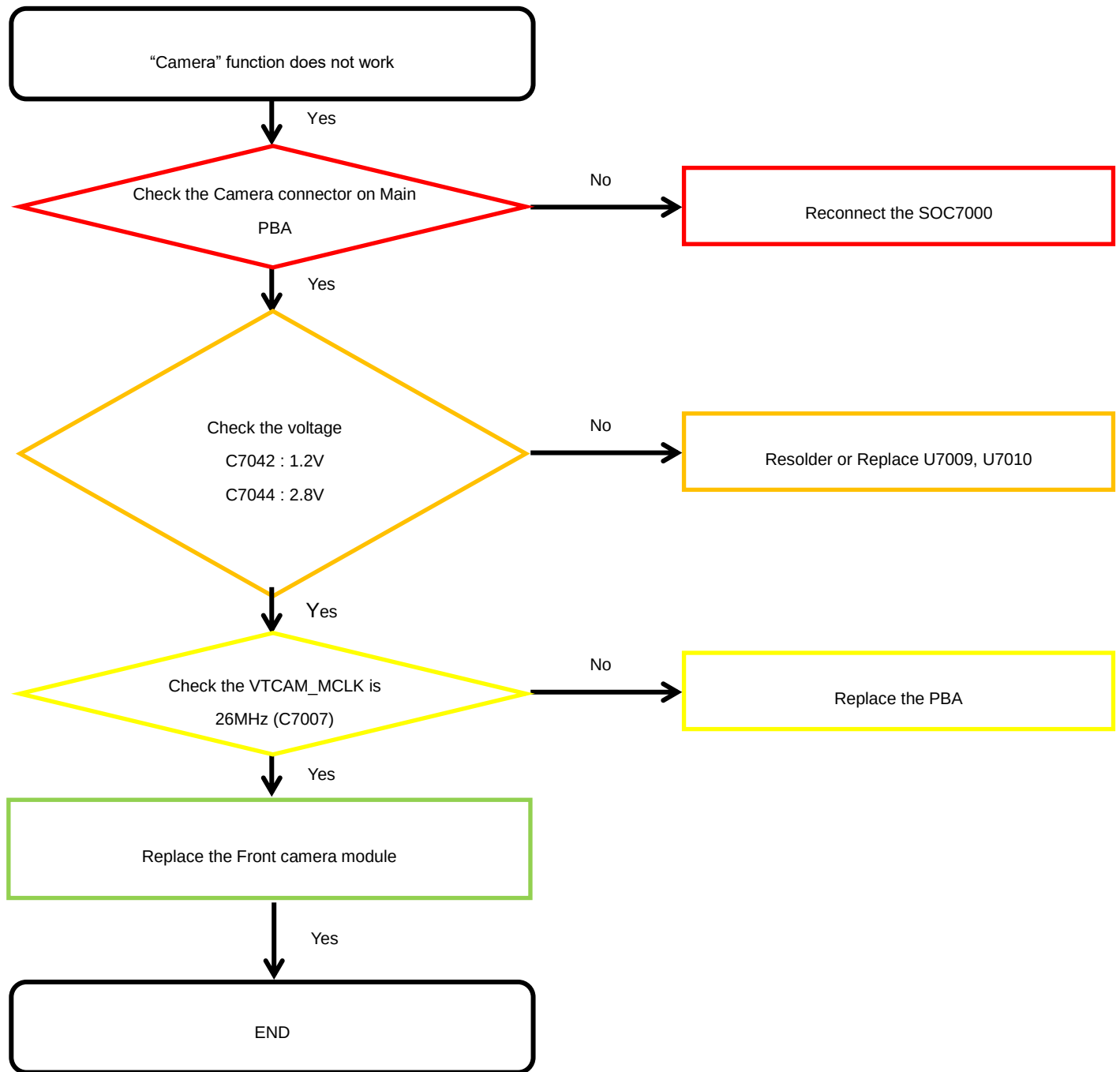
8. Level 3 Repair

8-3-17. Quad Camera



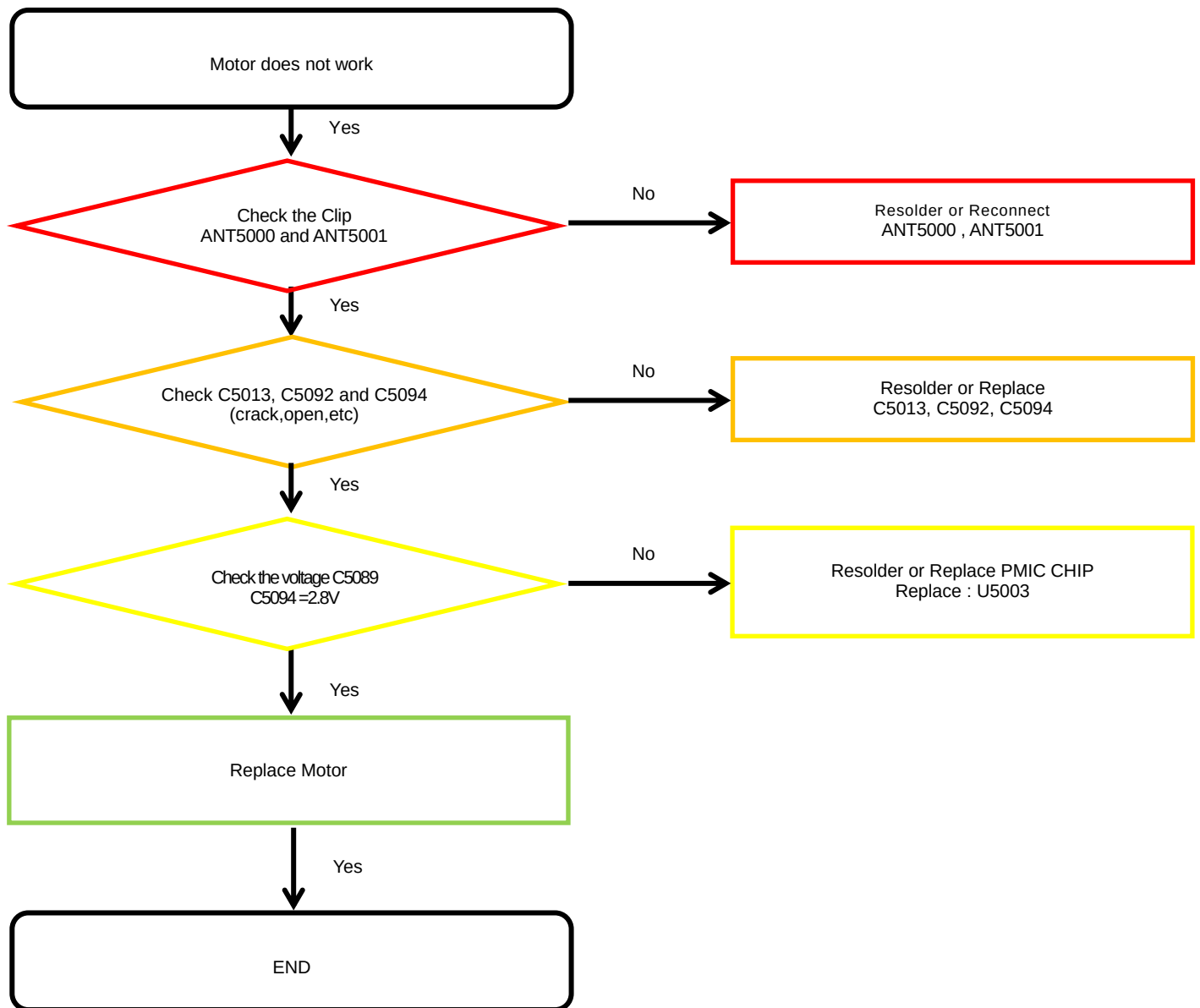
8. Level 3 Repair

8-3-18. VT CAMERA



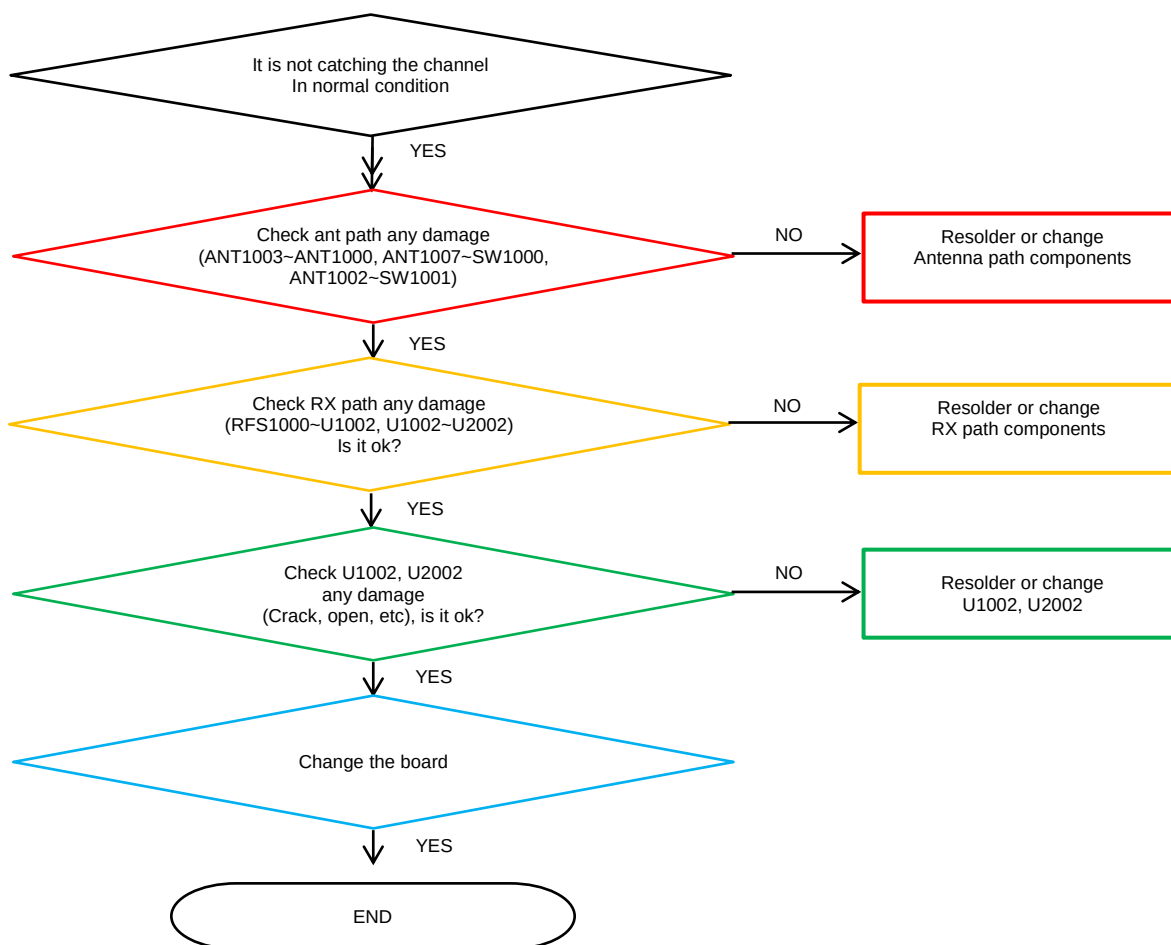
8. Level 3 Repair

8-3-19. Motor



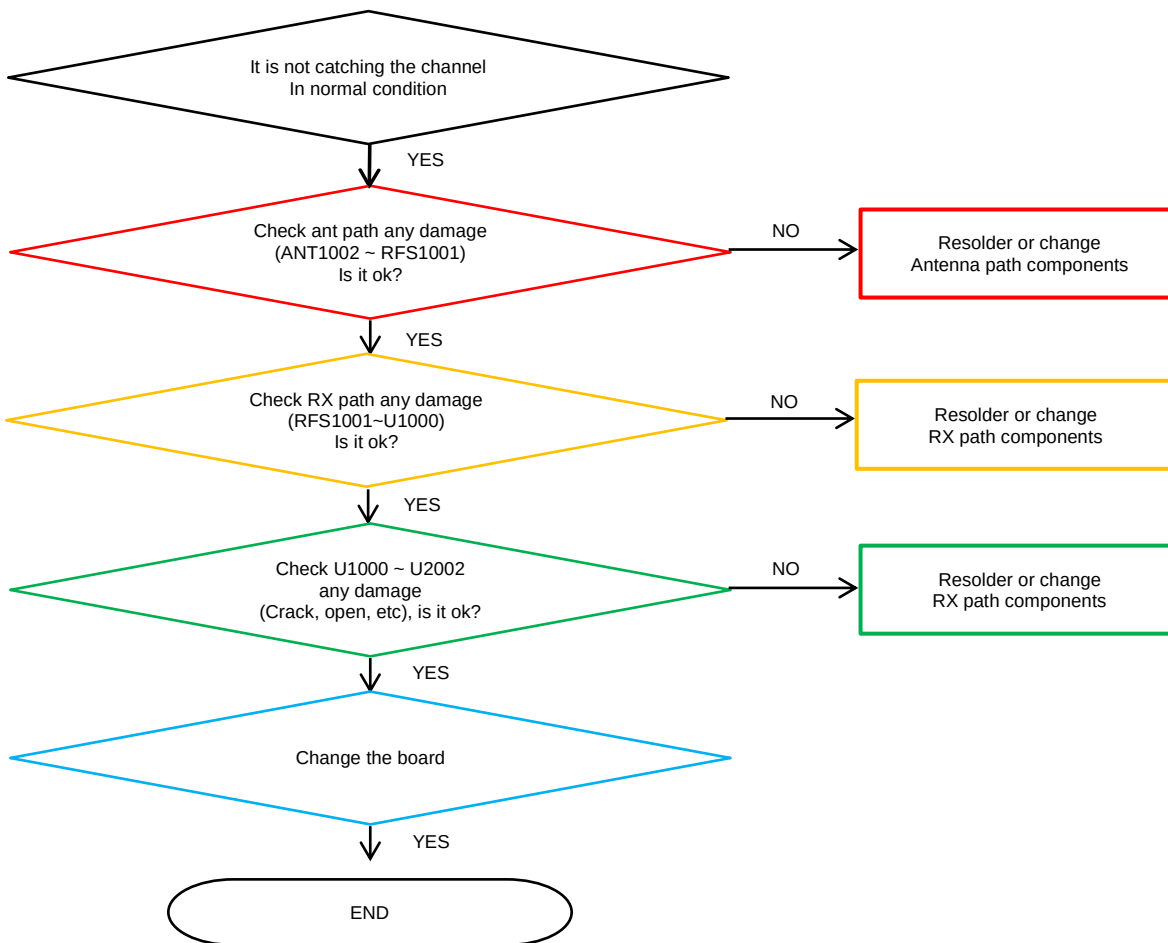
8. Level 3 Repair

8-3-20. 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 PRx



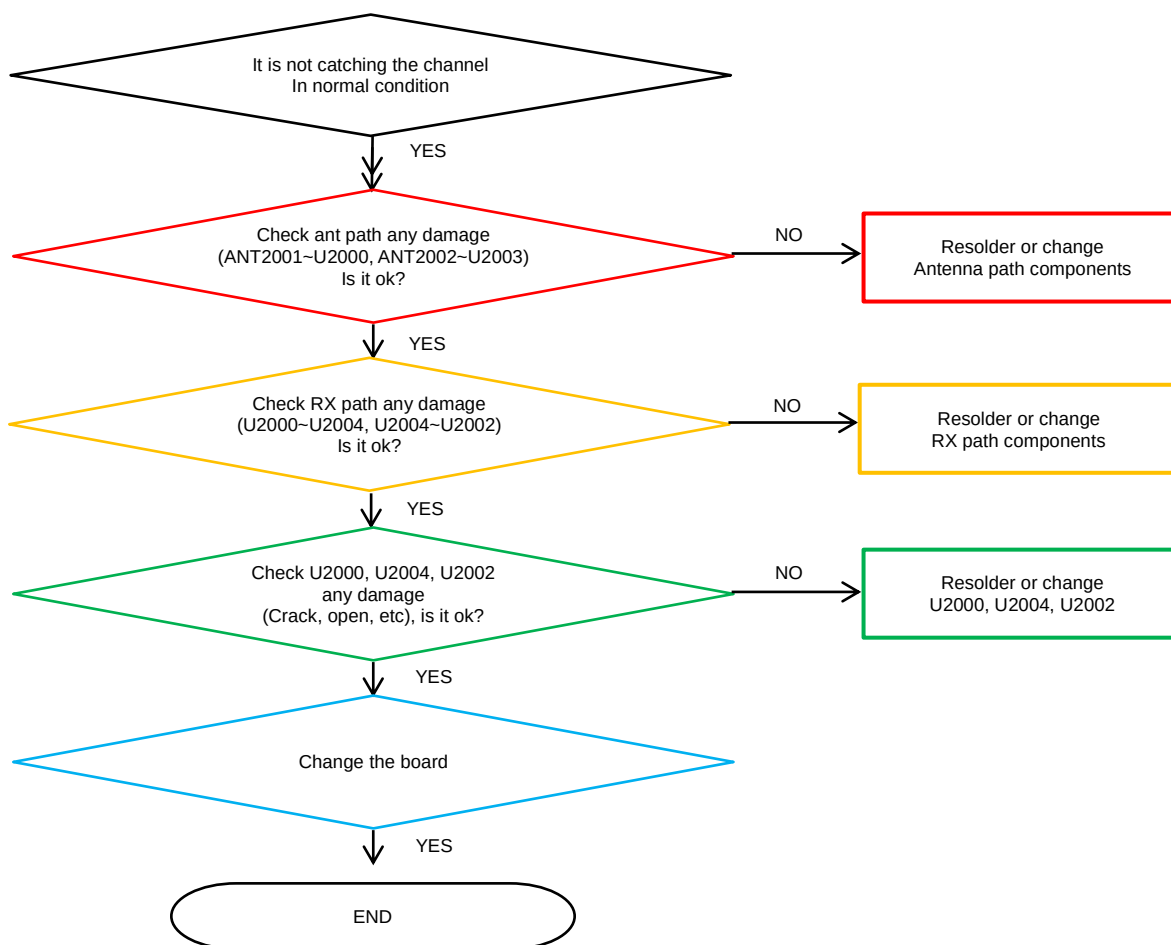
8. Level 3 Repair

8-3-21. LTE B7/38/40/41 PRx



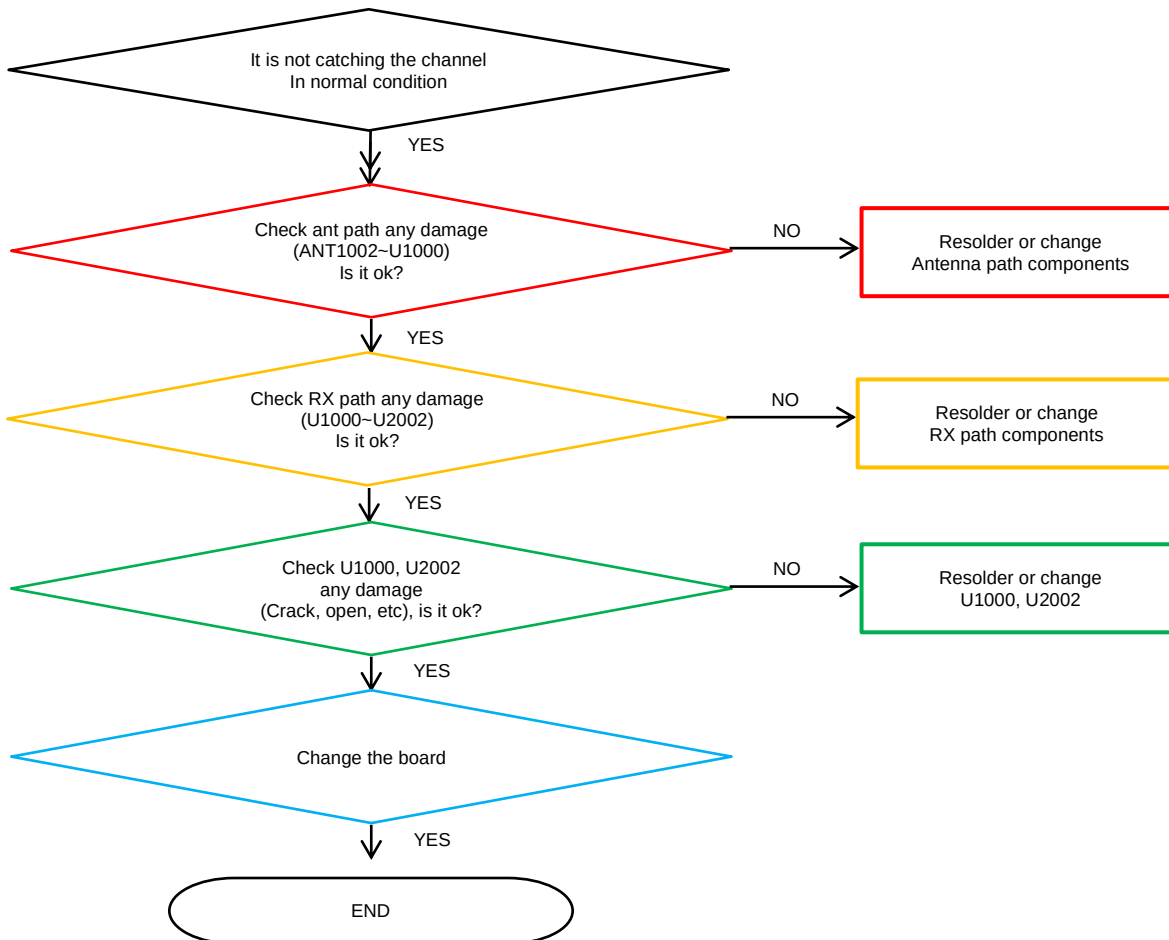
8. Level 3 Repair

8-3-22. 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 DRx



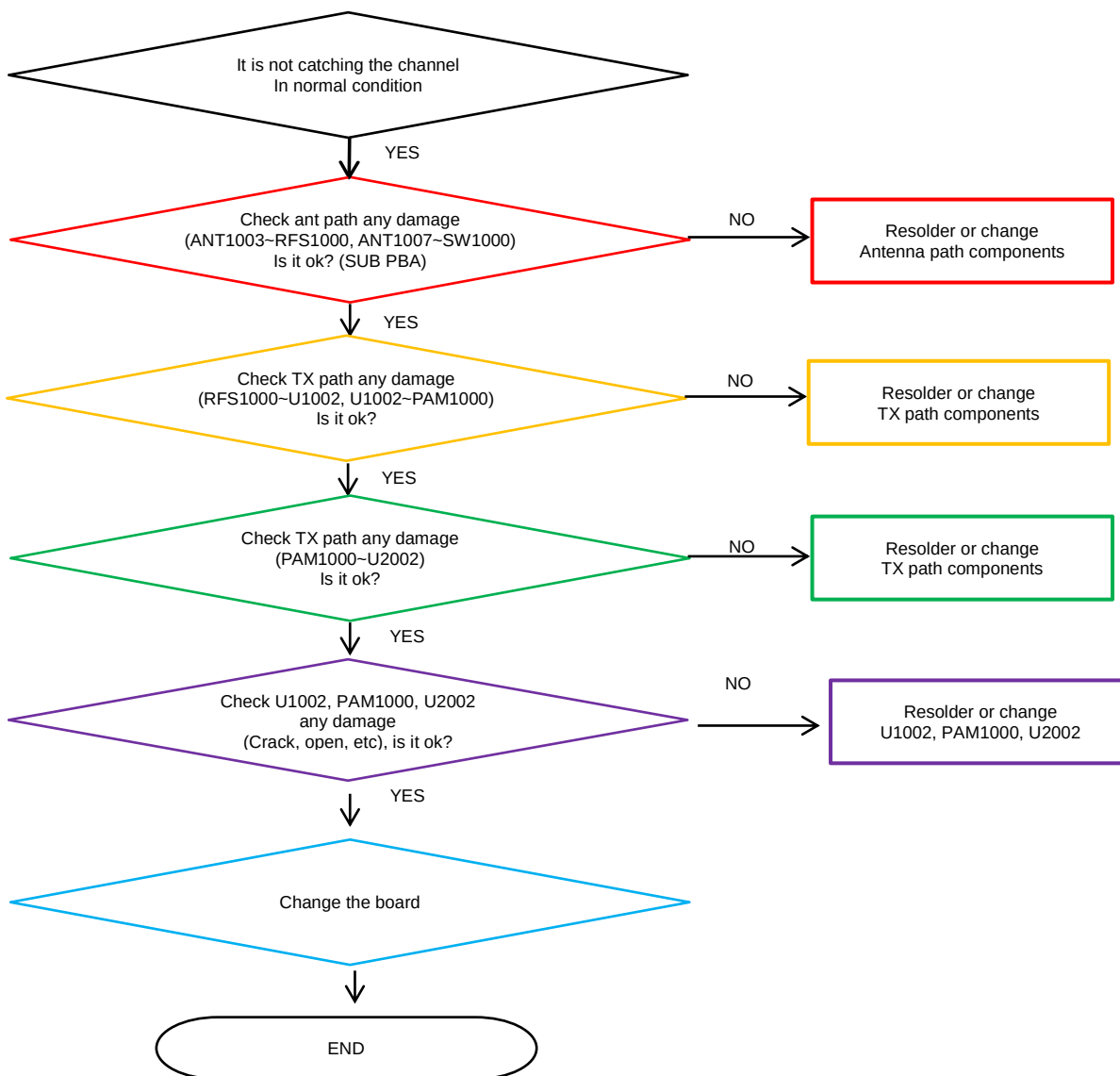
8. Level 3 Repair

8-3-23. LTE B7/38/40/41 DRx



8. Level 3 Repair

8-3-24. 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

8-3-25. LTE B7/38/40/41 Tx

