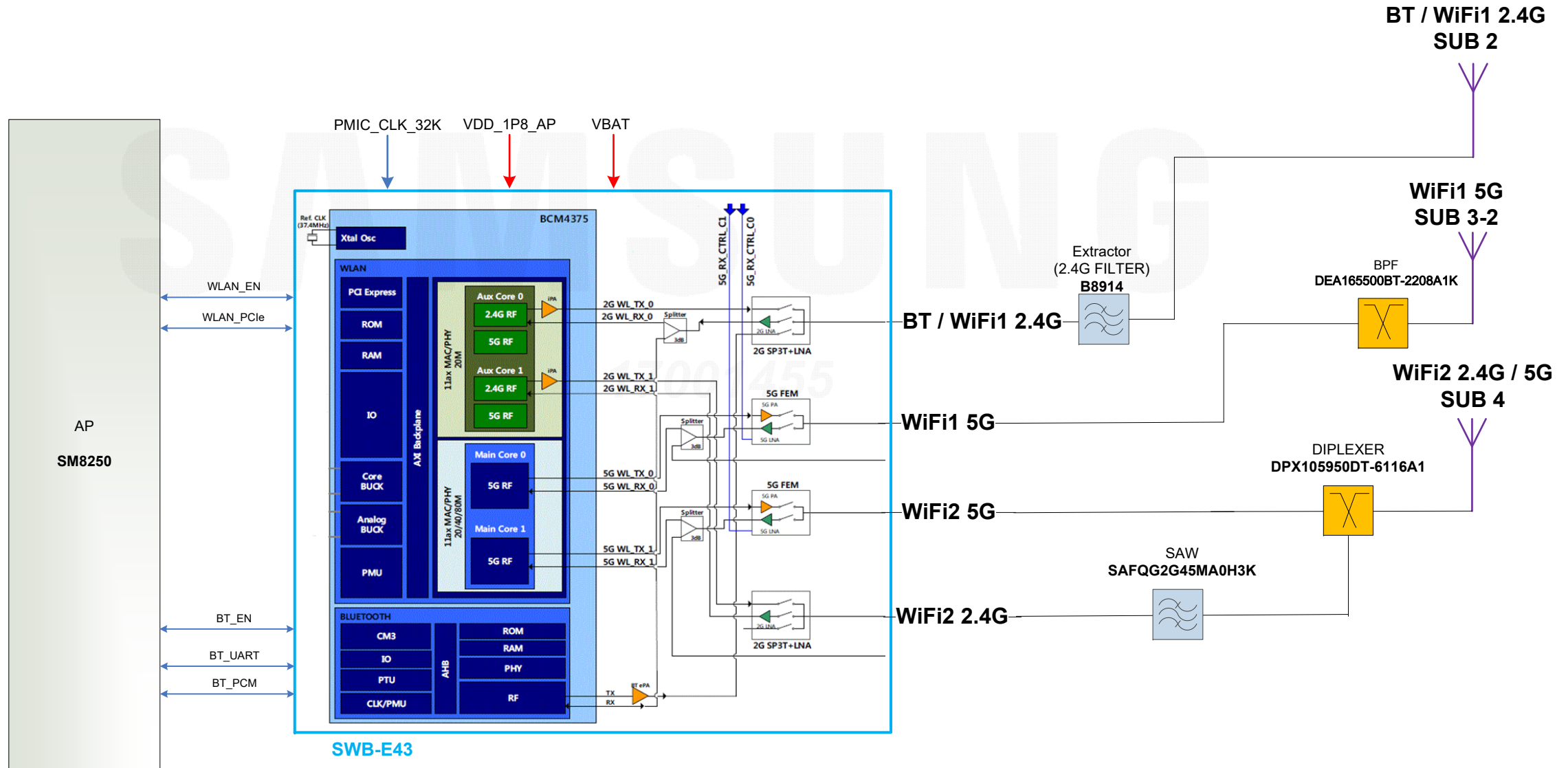
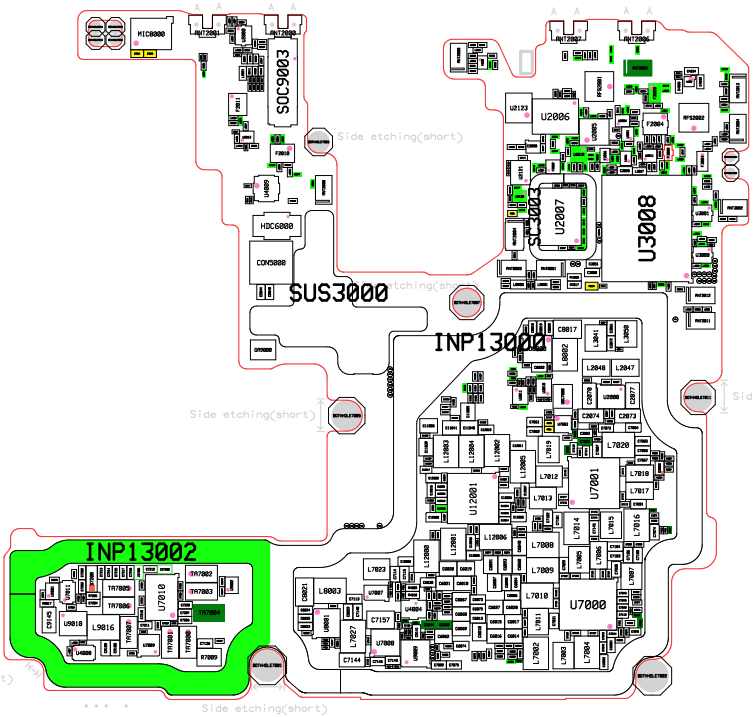


USB PCB Slave

BT / WIFI

Confidential





SIM3000

CON5001

U4007

SOC9001

U2003

U2017

SC3001

L5003

U9008

L5004

SC3000

U11000

UME6000

U2014

U2009

UCP500

U12000

U7002

U4001

SOC9000

SOC9004

U7005

U4003

U9007

L10006

L10005

L10004

C10019

C10018

C10017

C10016

C10015

C10014

U10001

U10002

U10003

L10007

L10008

L10009

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C7131

C7132

L7006

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L7008

C7133

C7134

C7135

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L7010

L7011

C7136

C7137

C7138

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C7139

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C7141

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C7266

C7267

L7141

L7142

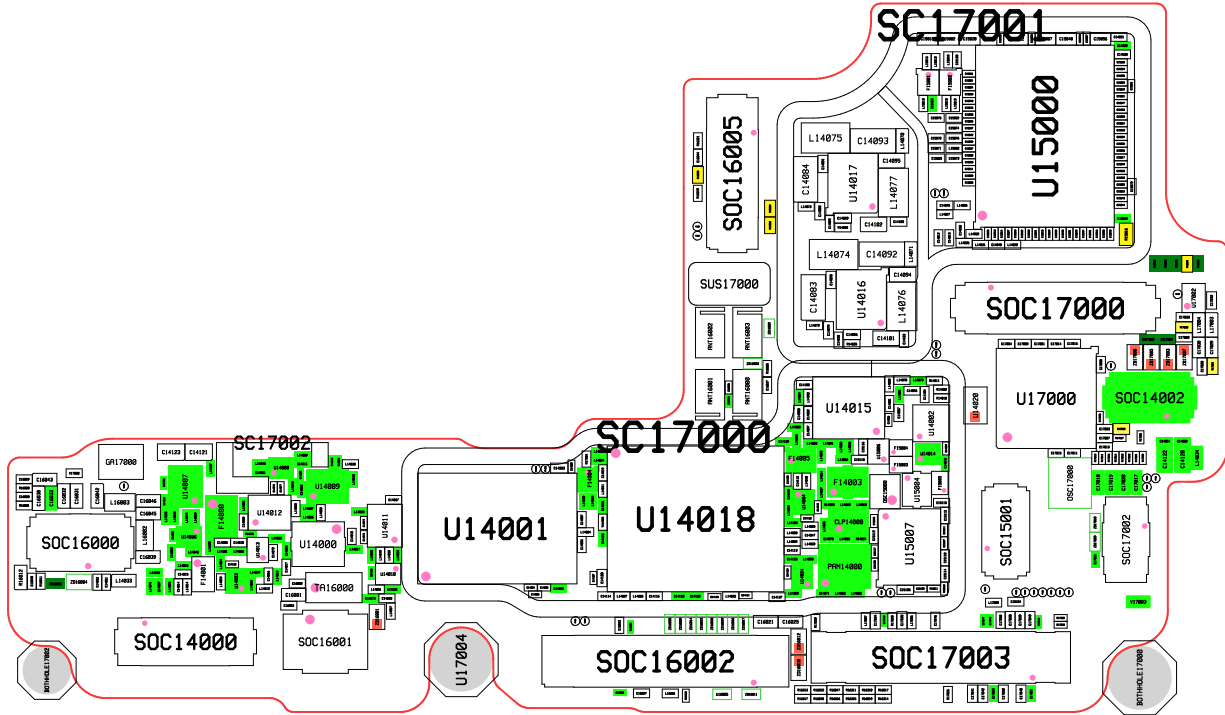
L7143

C7268

C7269

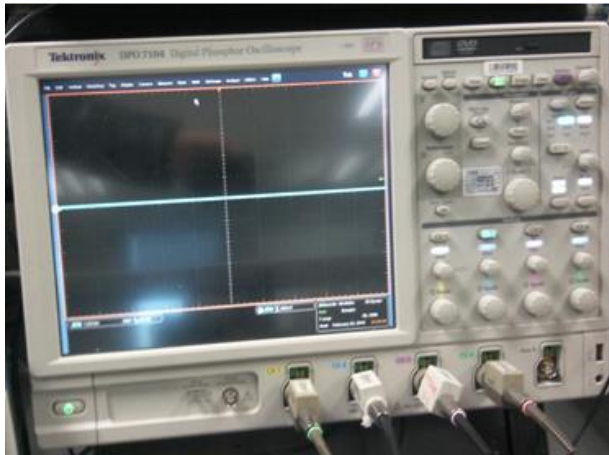
C7270

L7144



8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



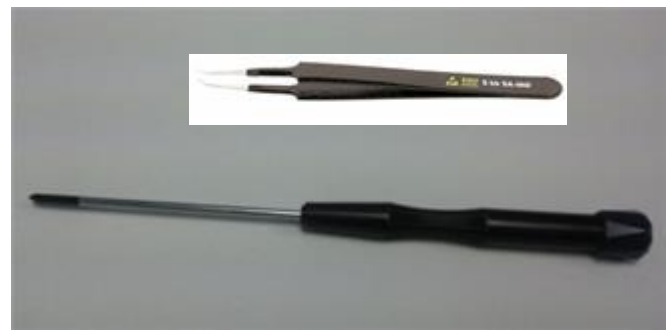
Oscilloscope



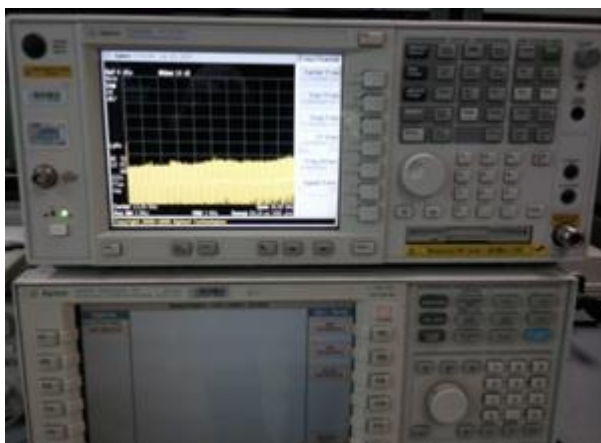
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



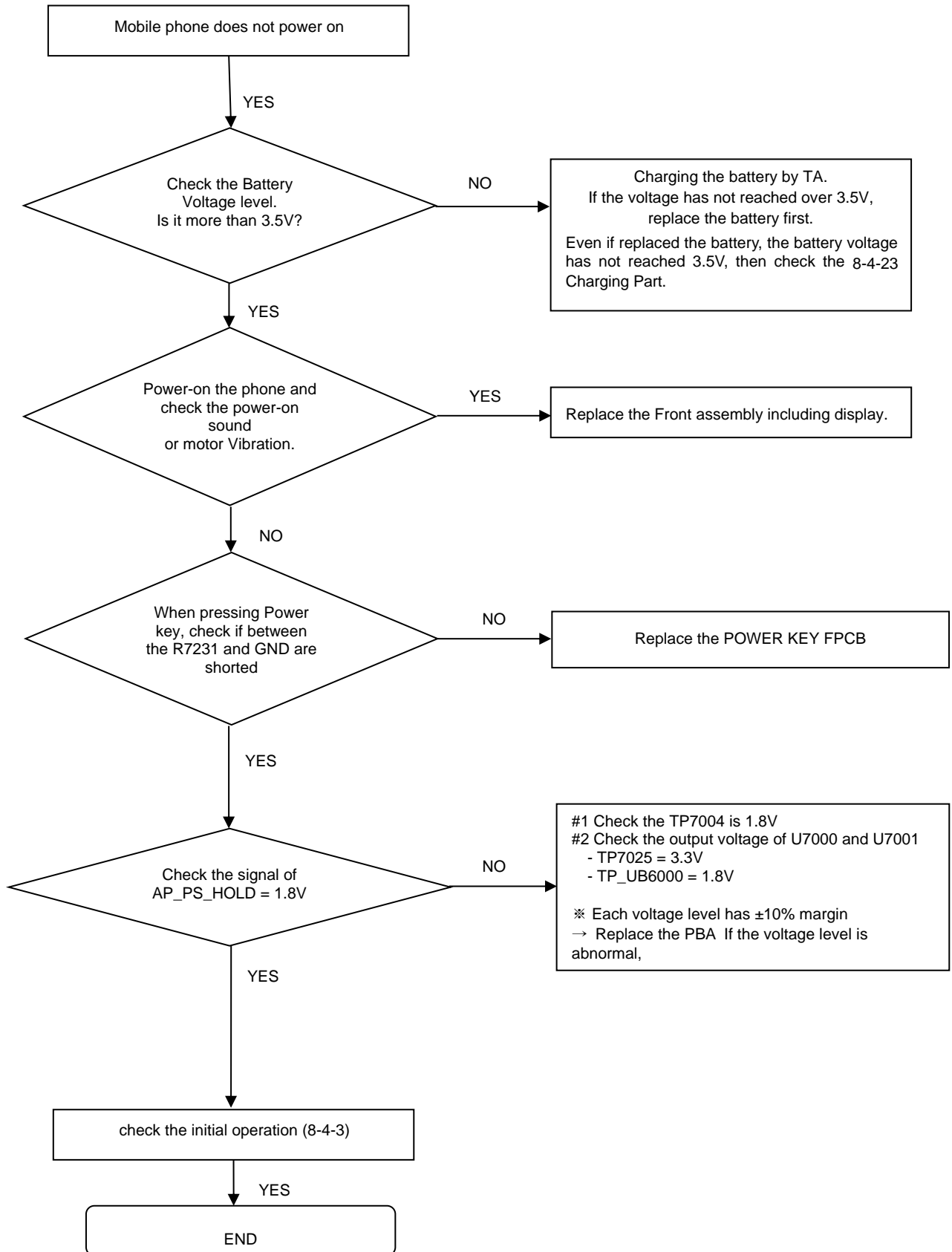
8960 & Spectrum Analyzer



Soldering iron

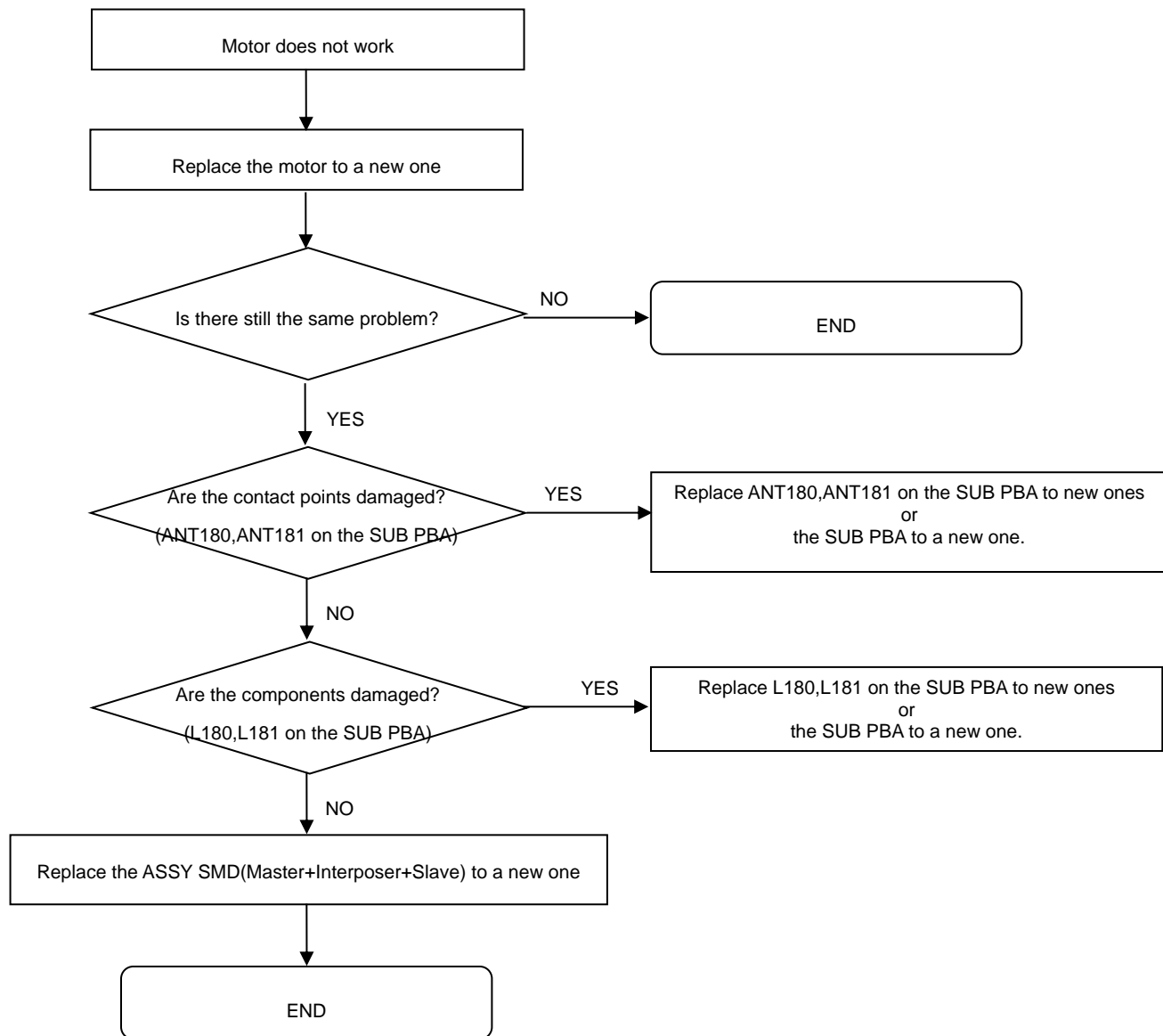
8. Level 3 Repair

8-4-1. Power on



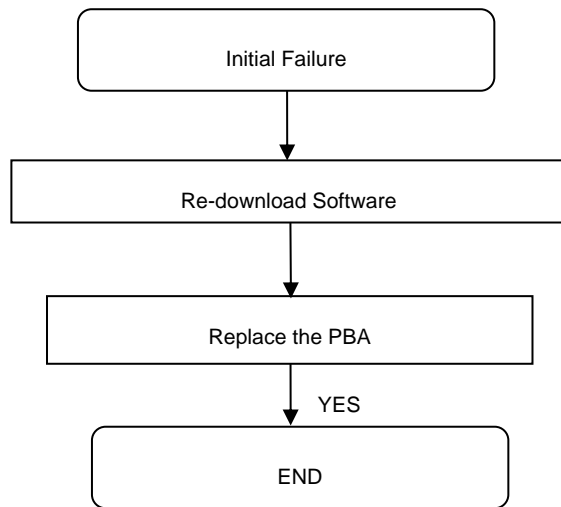
8. Level 3 Repair

8-4-2. Motor



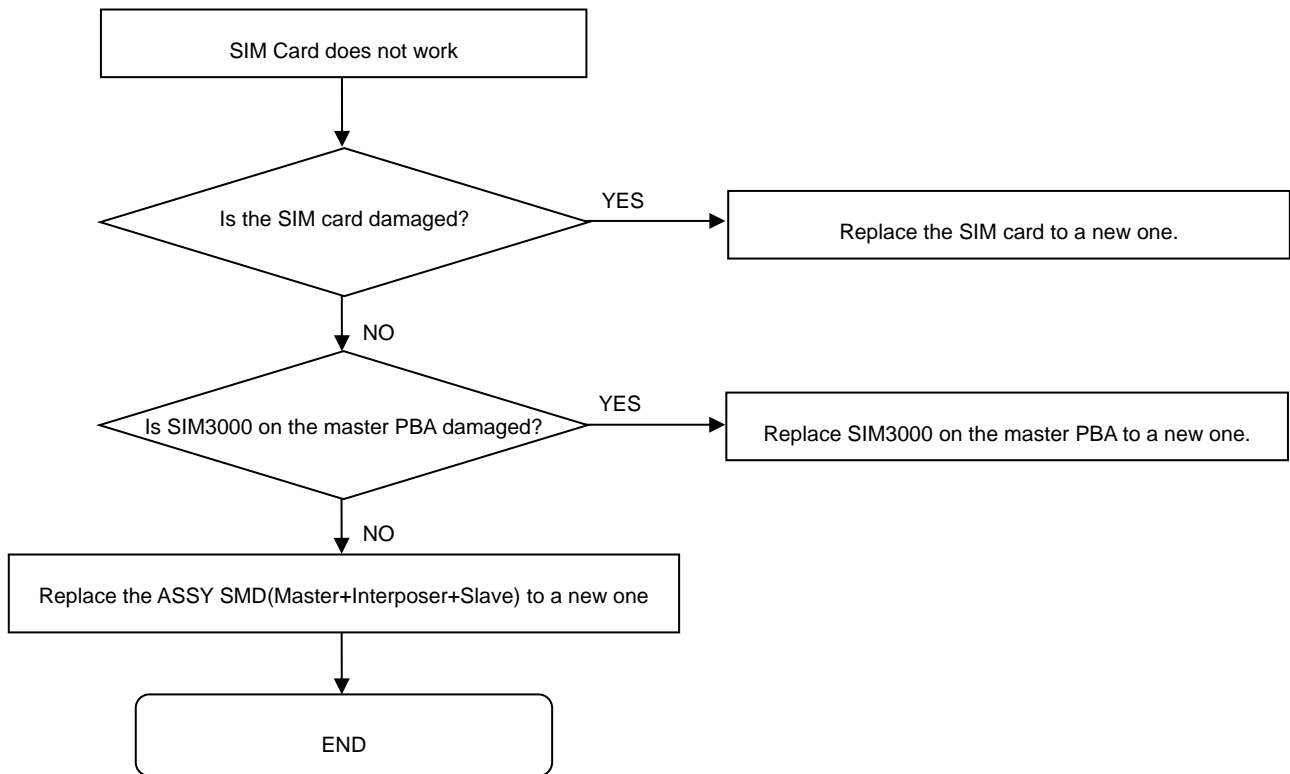
8. Level 3 Repair

8-4-3. initial



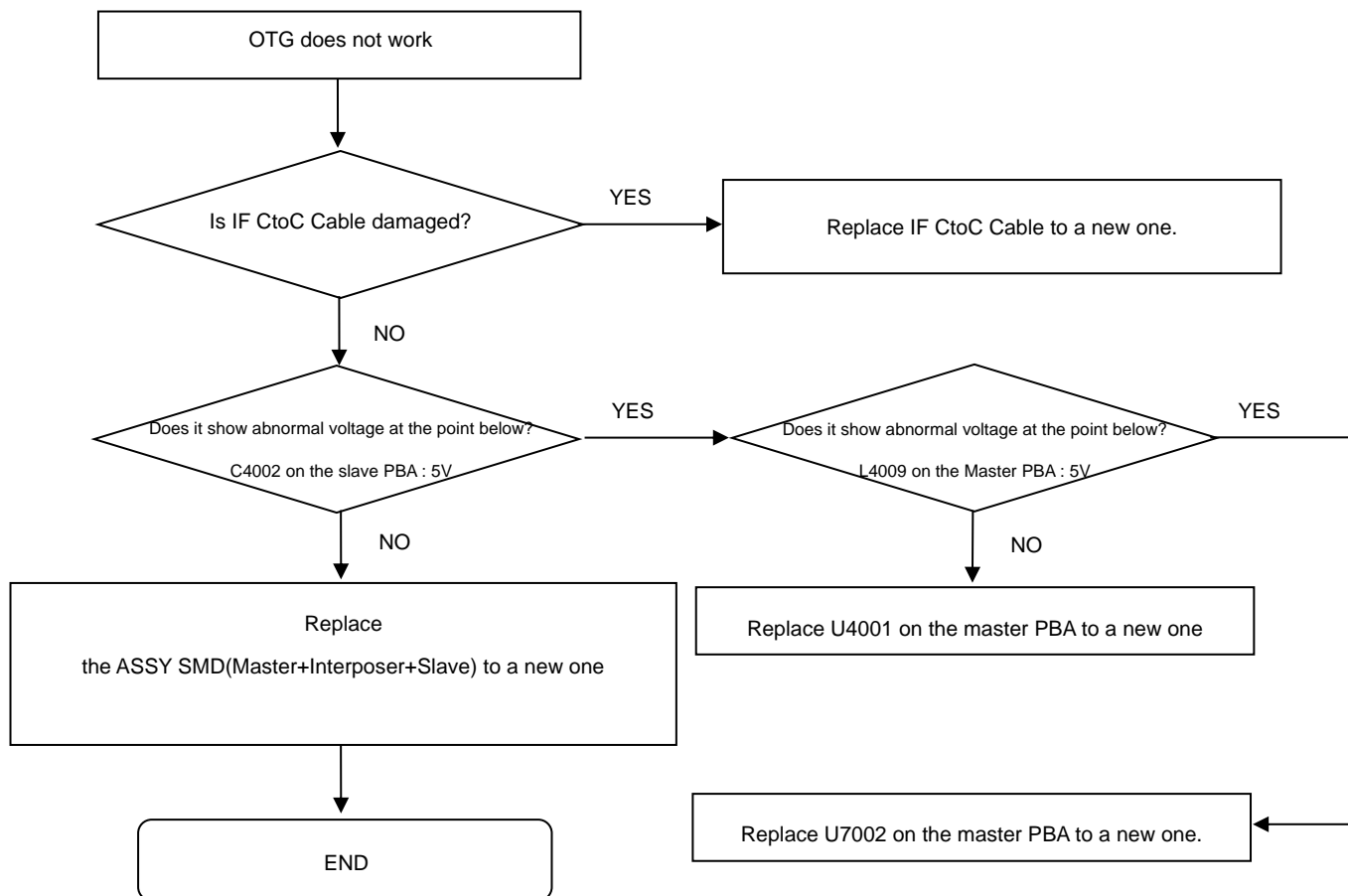
8. Level 3 Repair

8-4-4. SIM PART



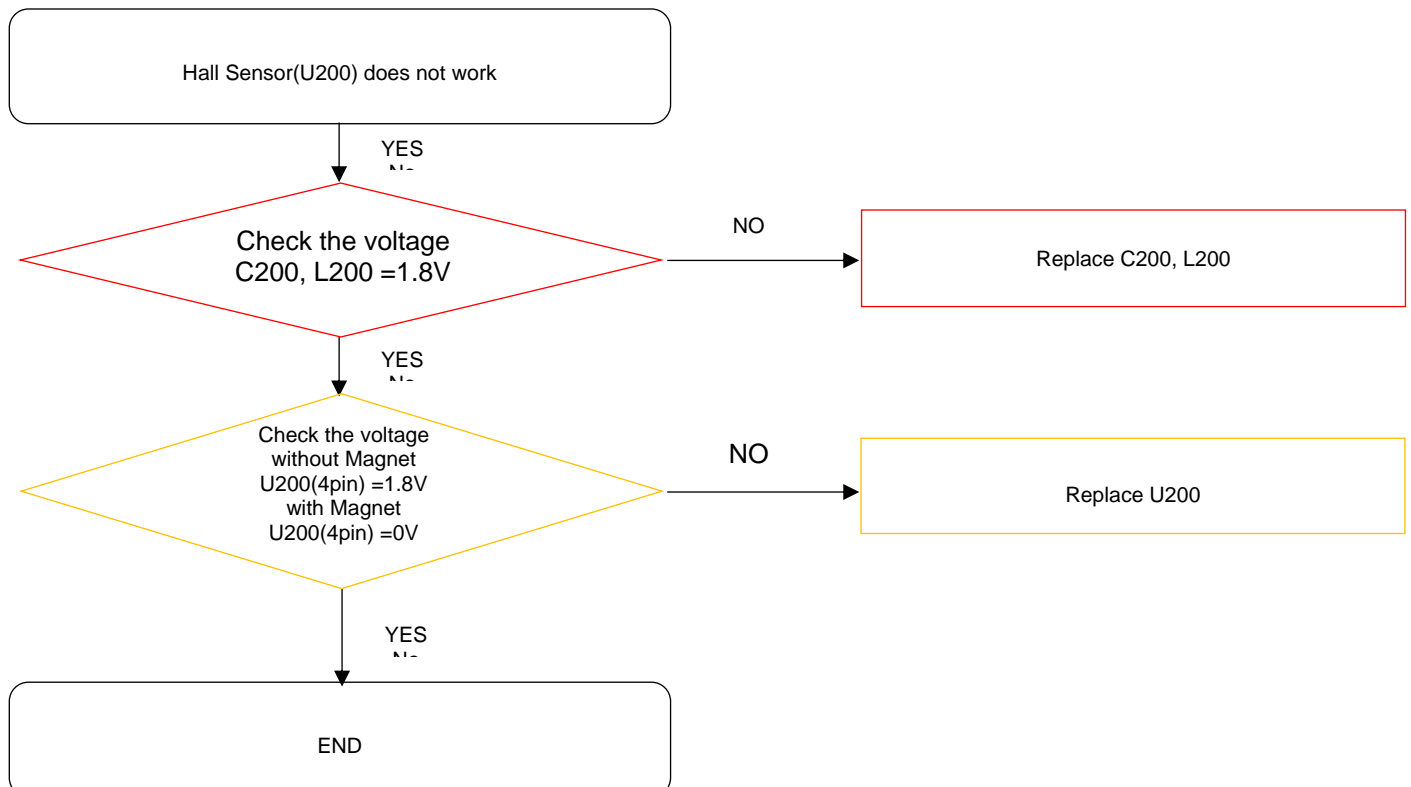
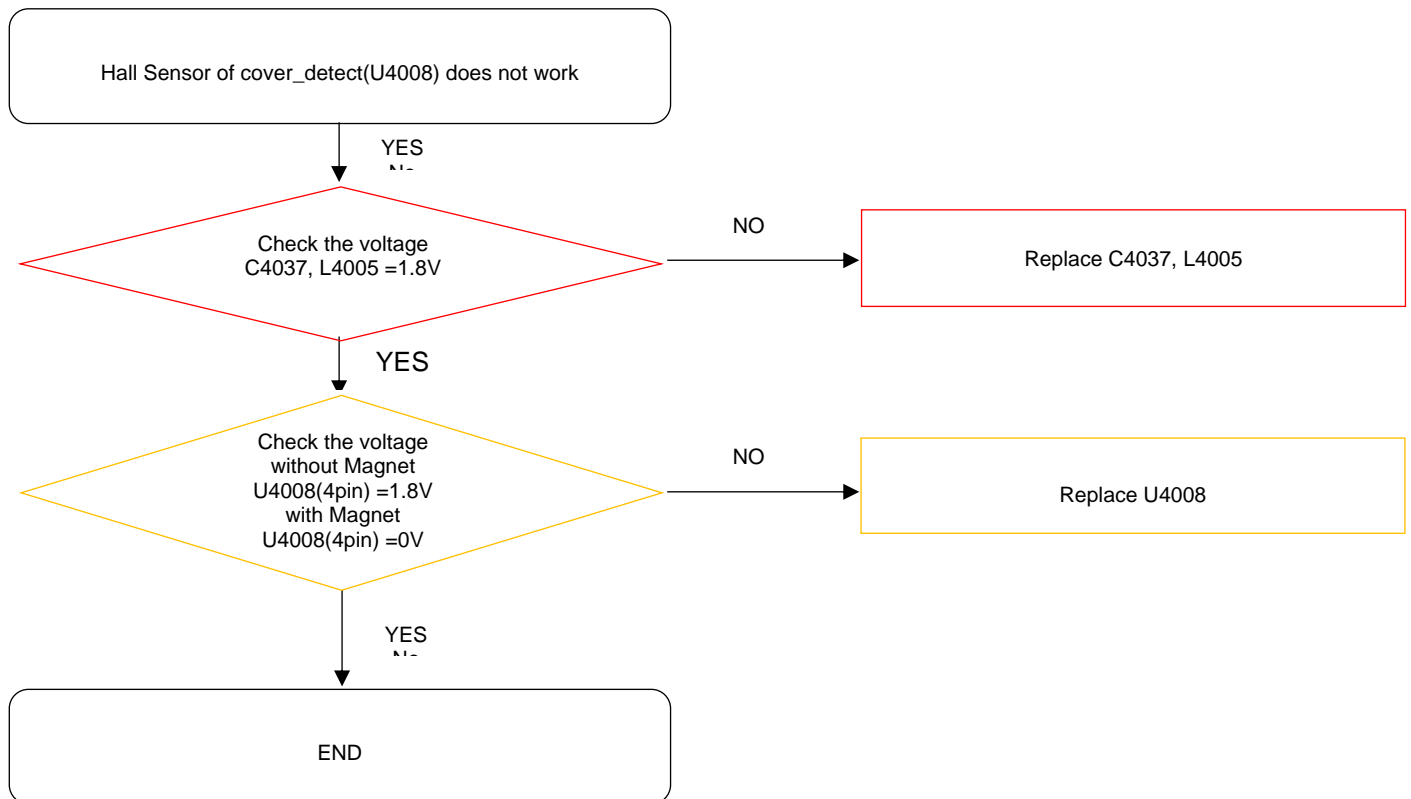
8. Level 3 Repair

8-4-5. OTG



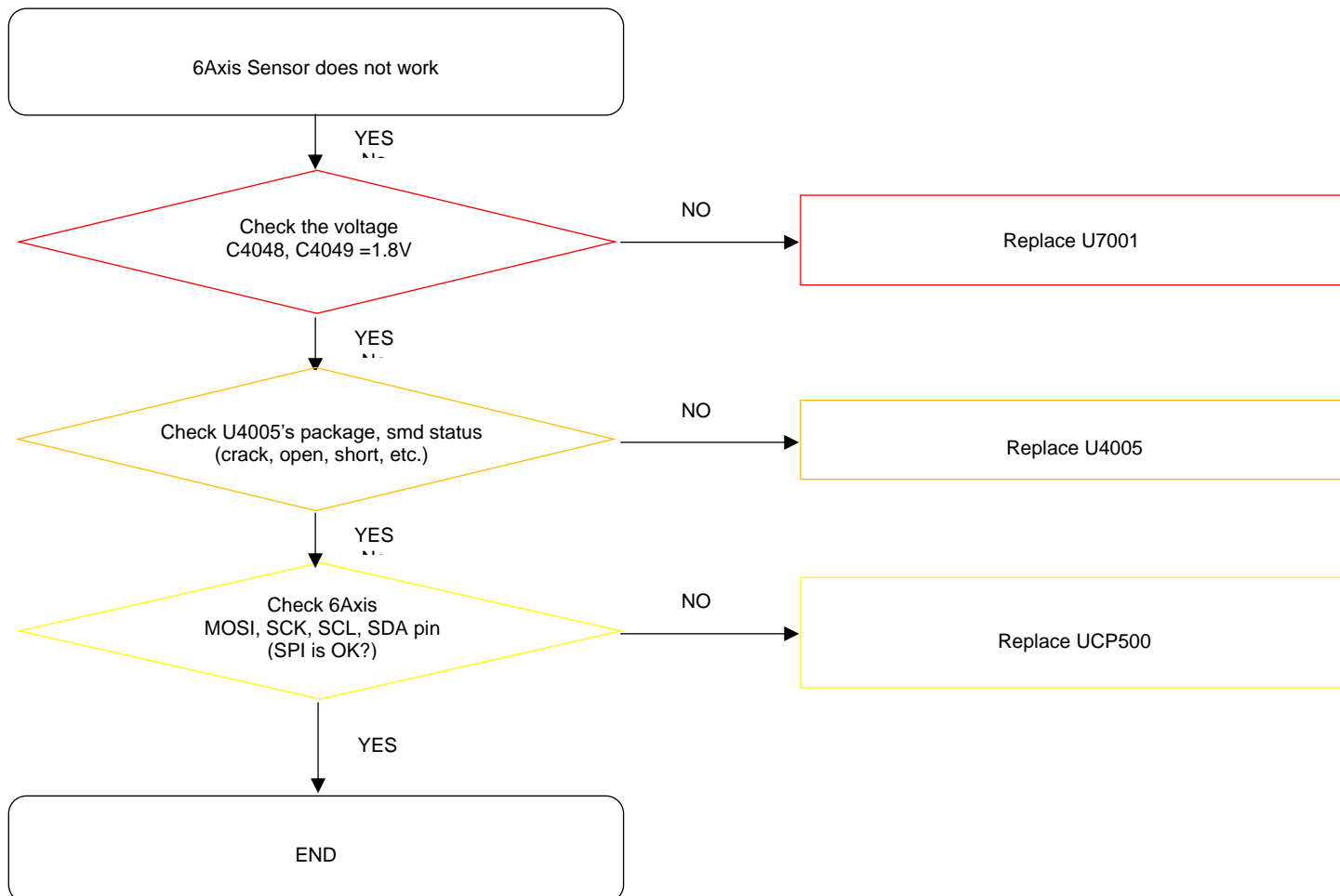
8. Level 3 Repair

8-4-6. Hall IC



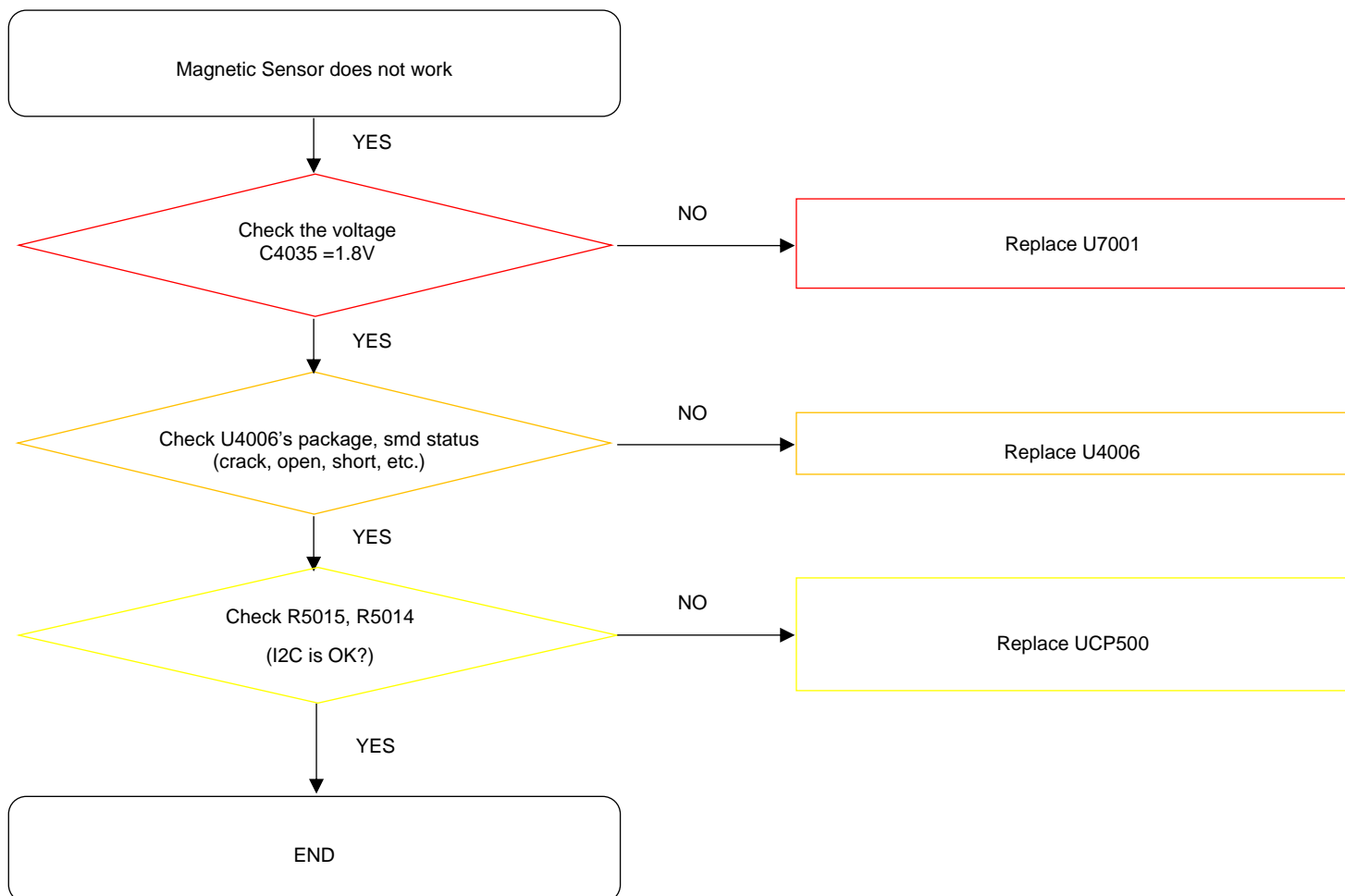
8. Level 3 Repair

8-4-7. 6-Axis sensor



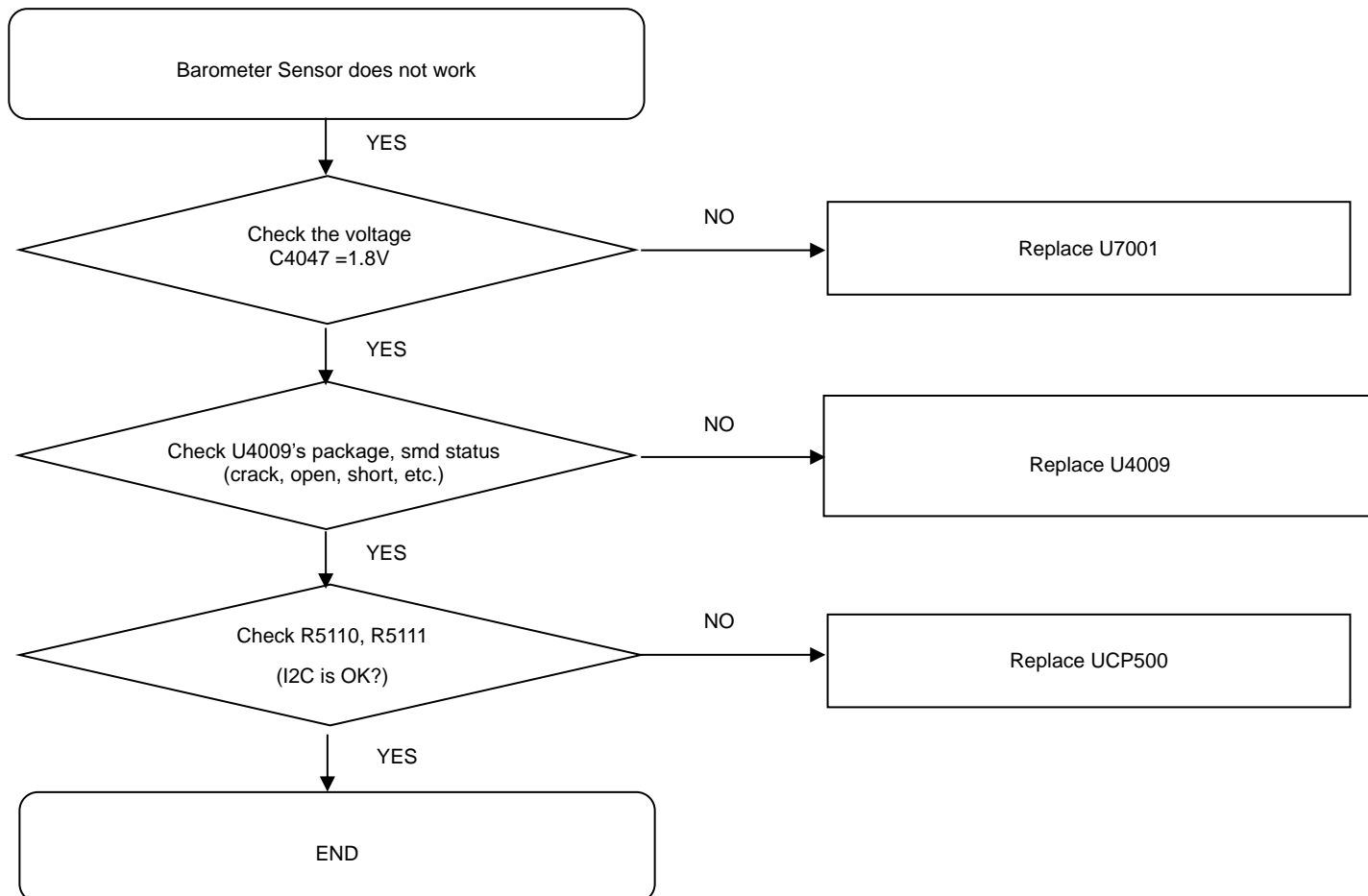
8. Level 3 Repair

8-4-8. Magnetic sensor



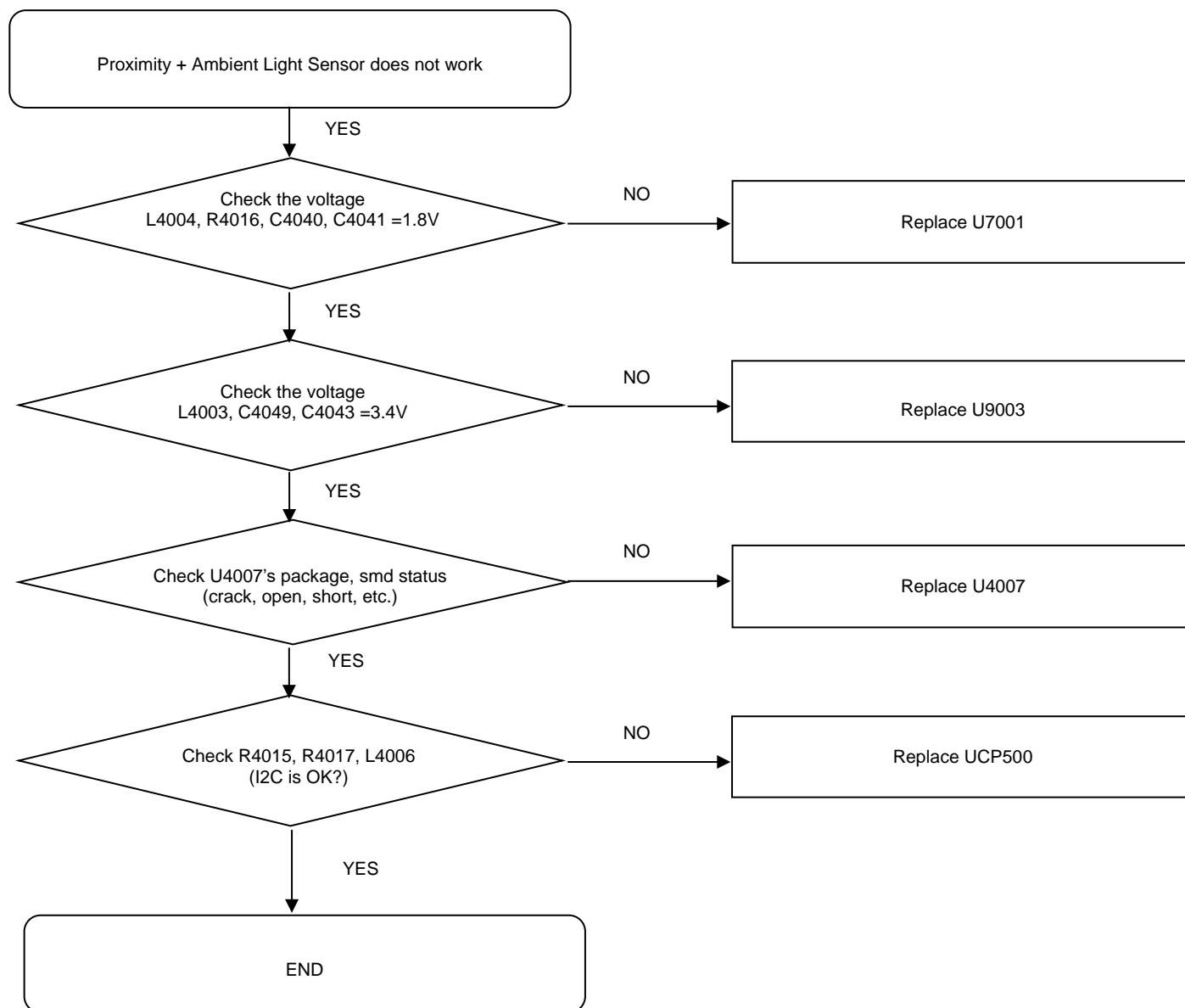
8. Level 3 Repair

8-4-9. Barometer sensor



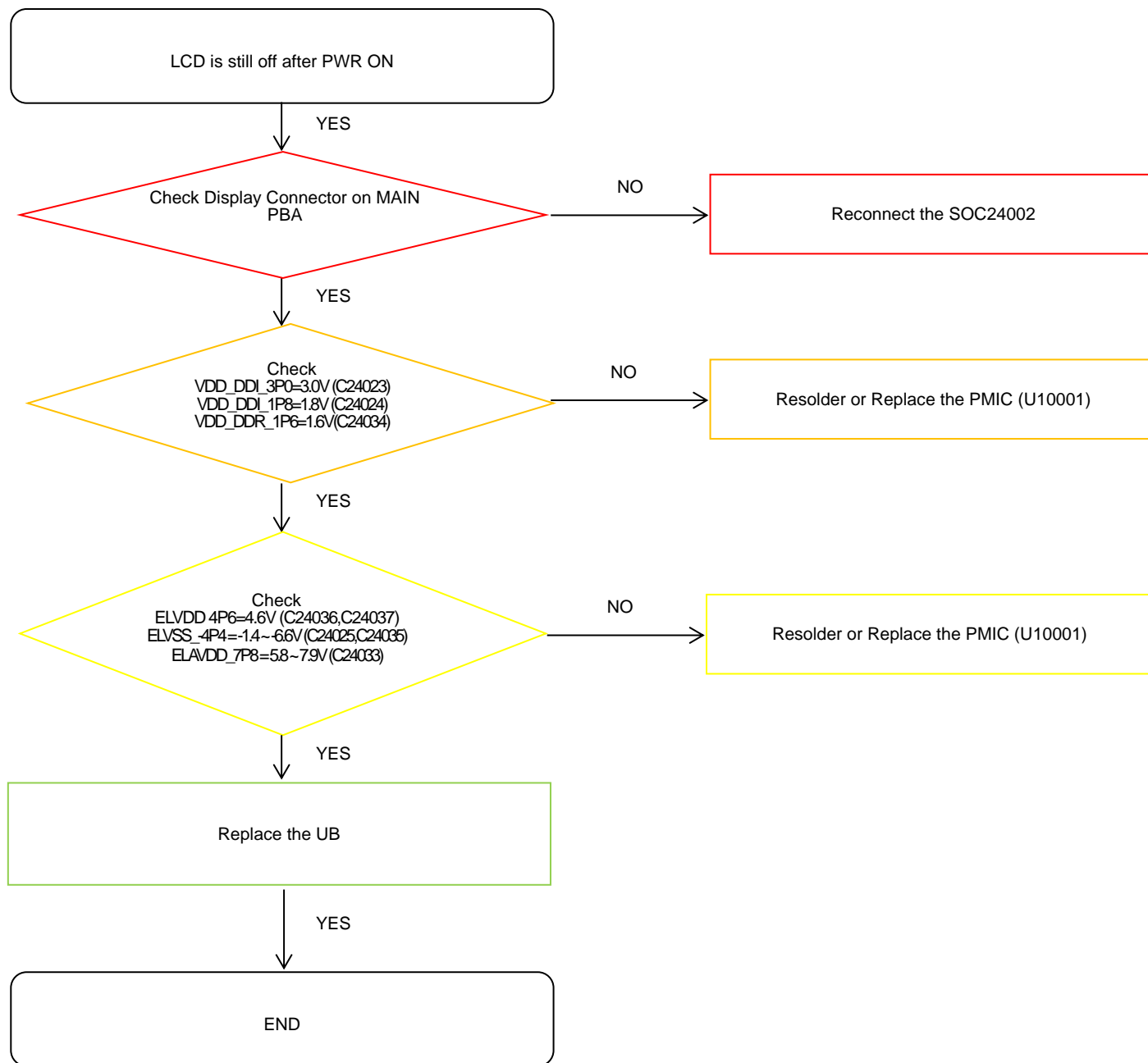
8. Level 3 Repair

8-4-10. Proximity/Ambient Light sensor



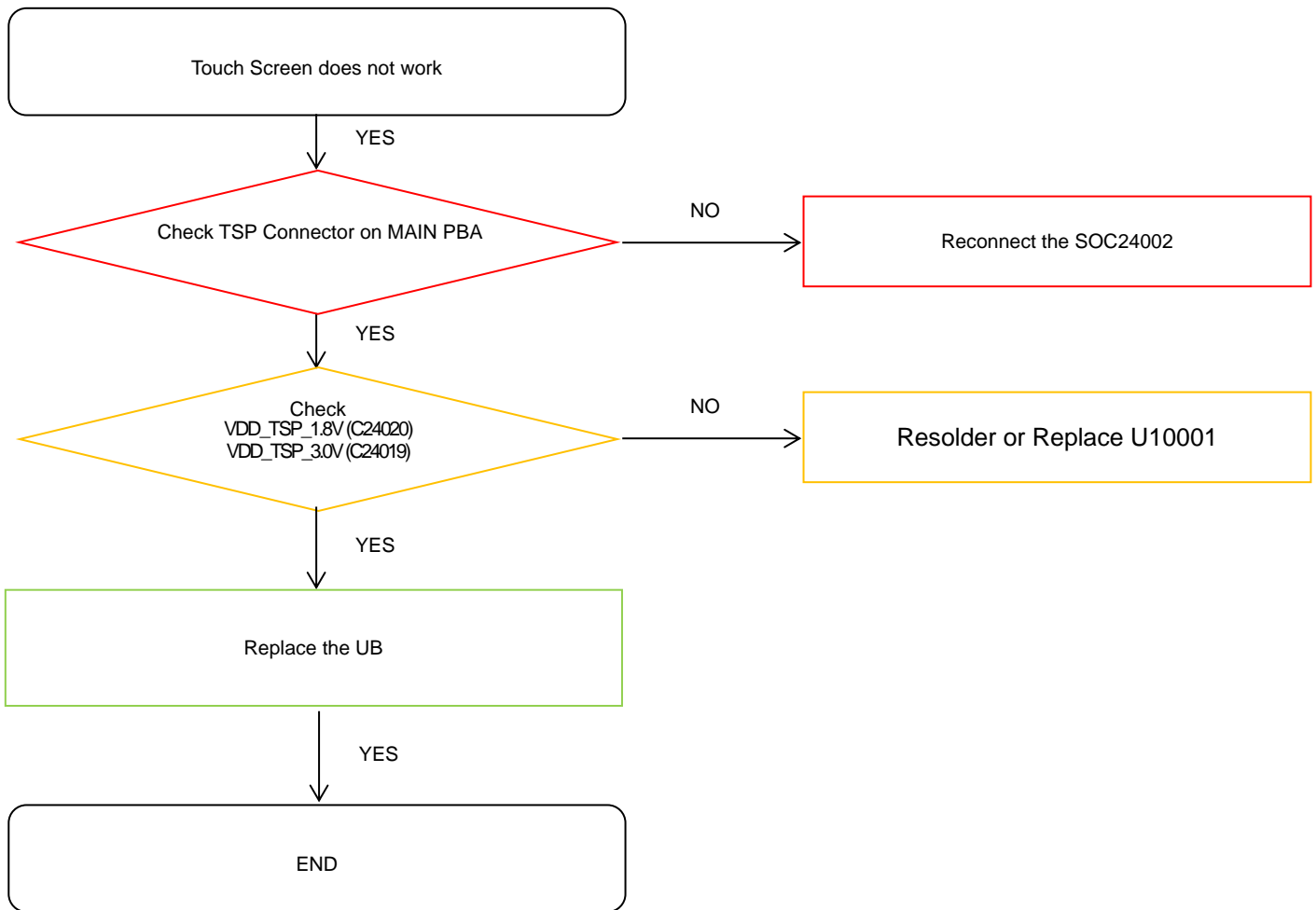
8. Level 3 Repair

8-4-11. Display



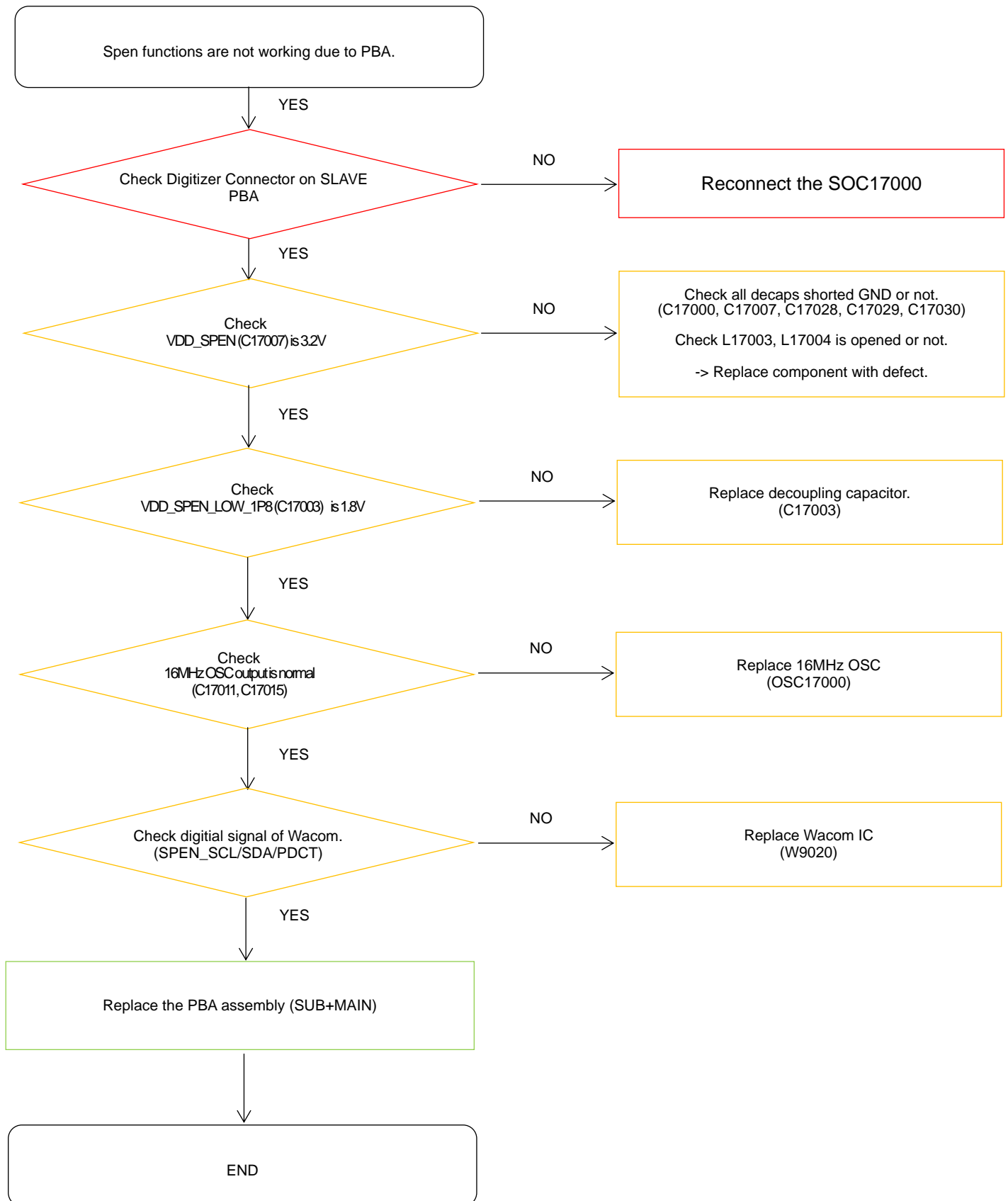
8. Level 3 Repair

8-4-12-1. TSP



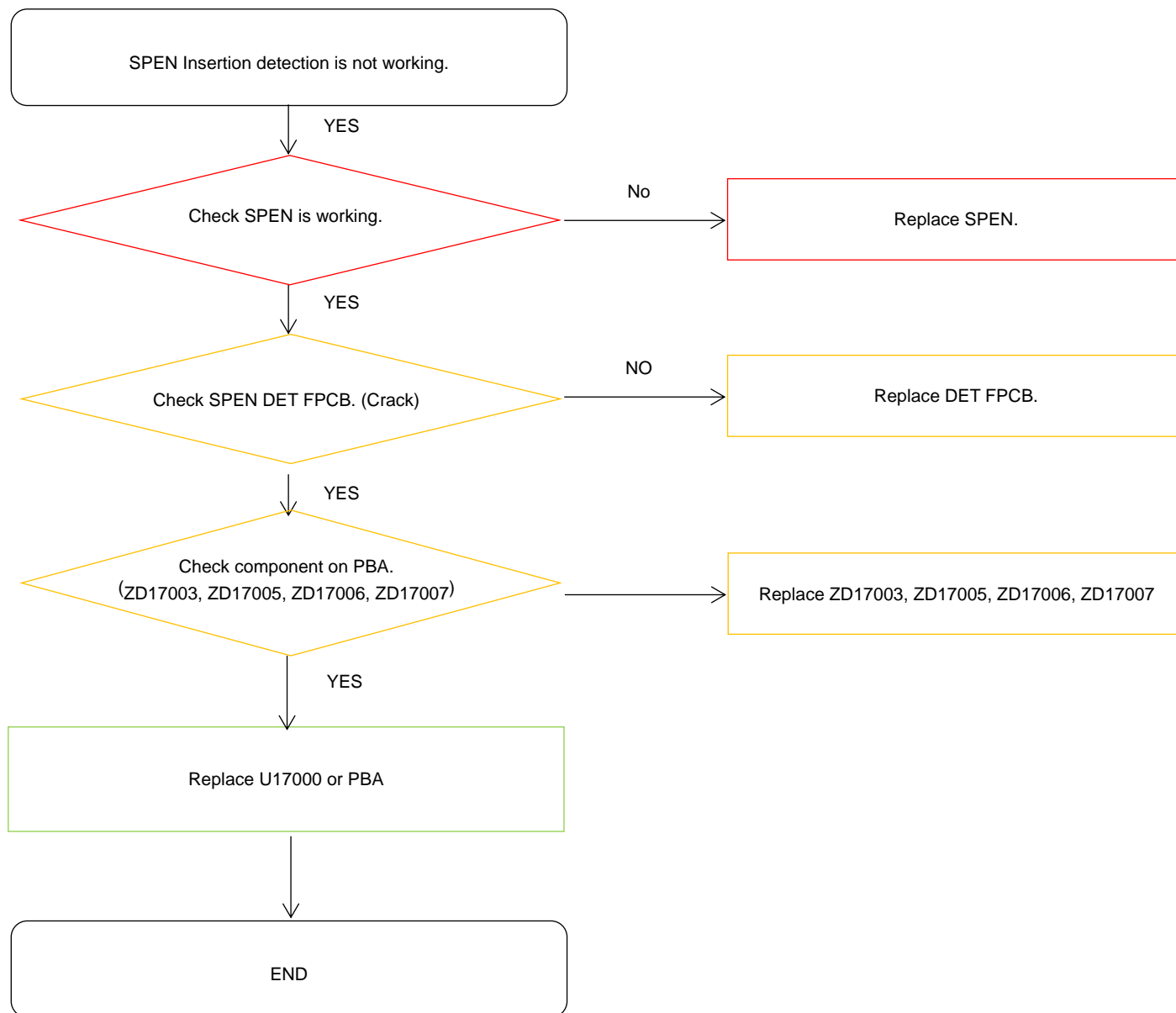
8. Level 3 Repair

8-4-12-2. DIGITIZER



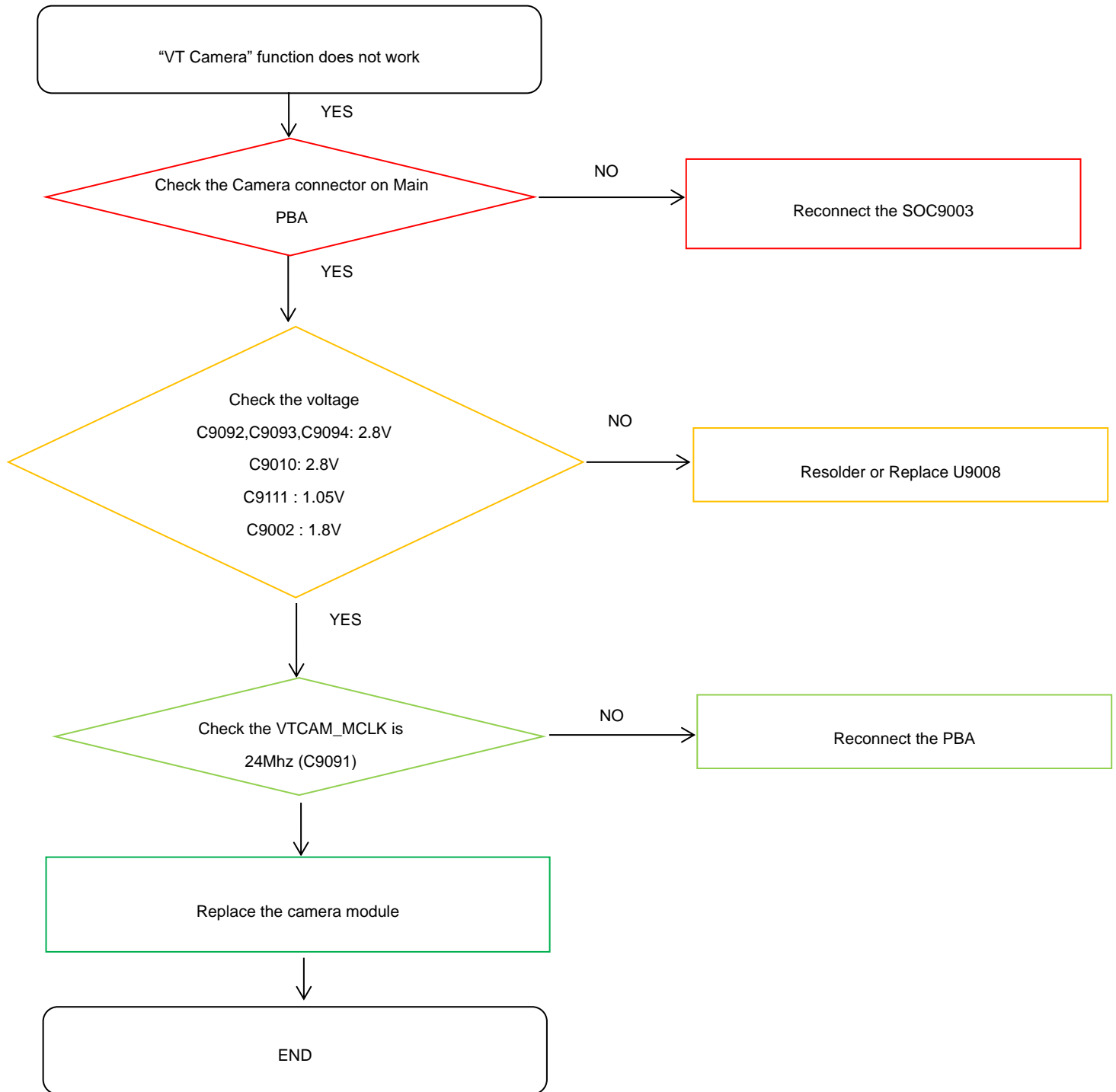
8. Level 3 Repair

8-4-12-3. SPEN DETECTION



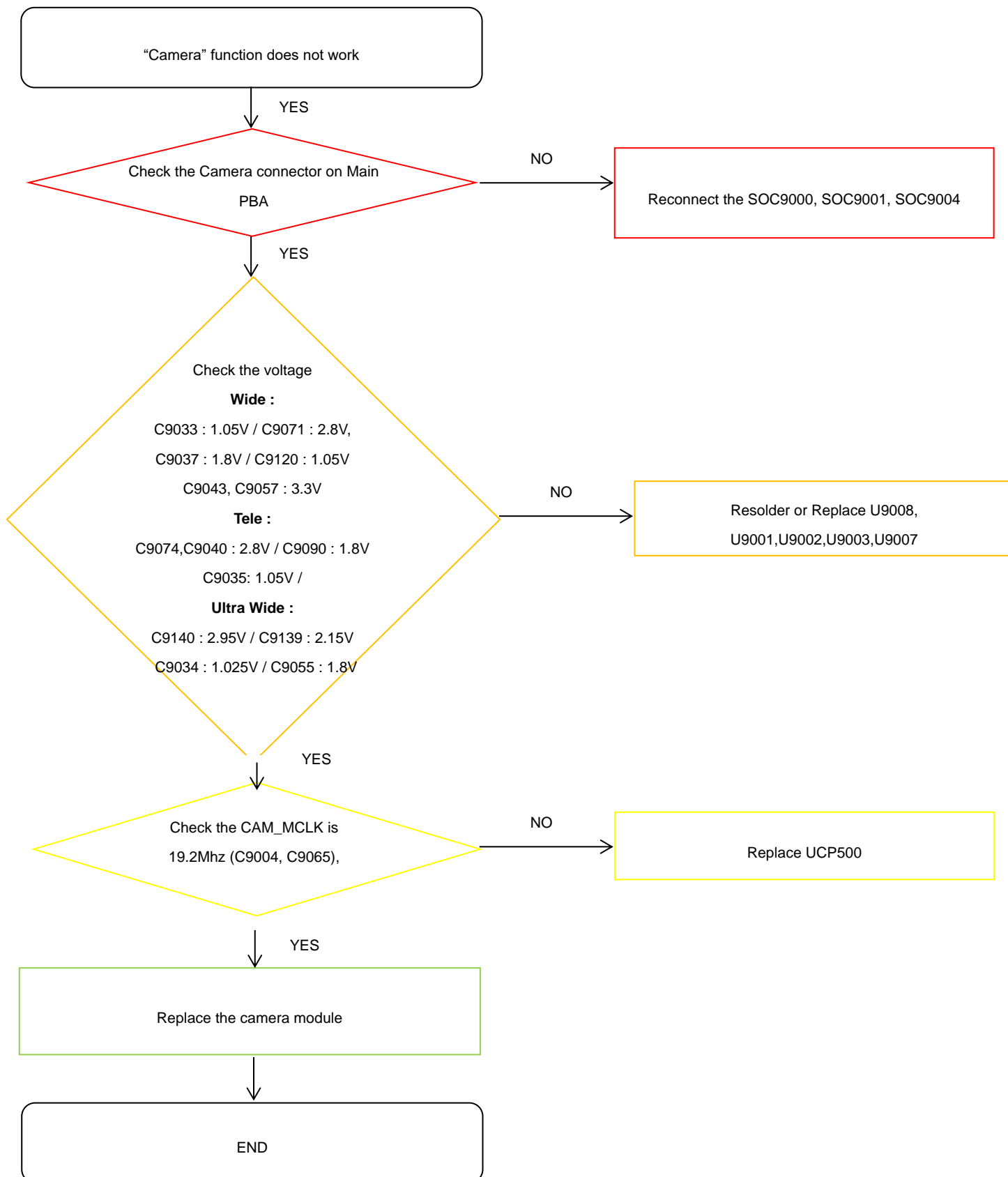
8. Level 3 Repair

8-4-13. VT CAMERA



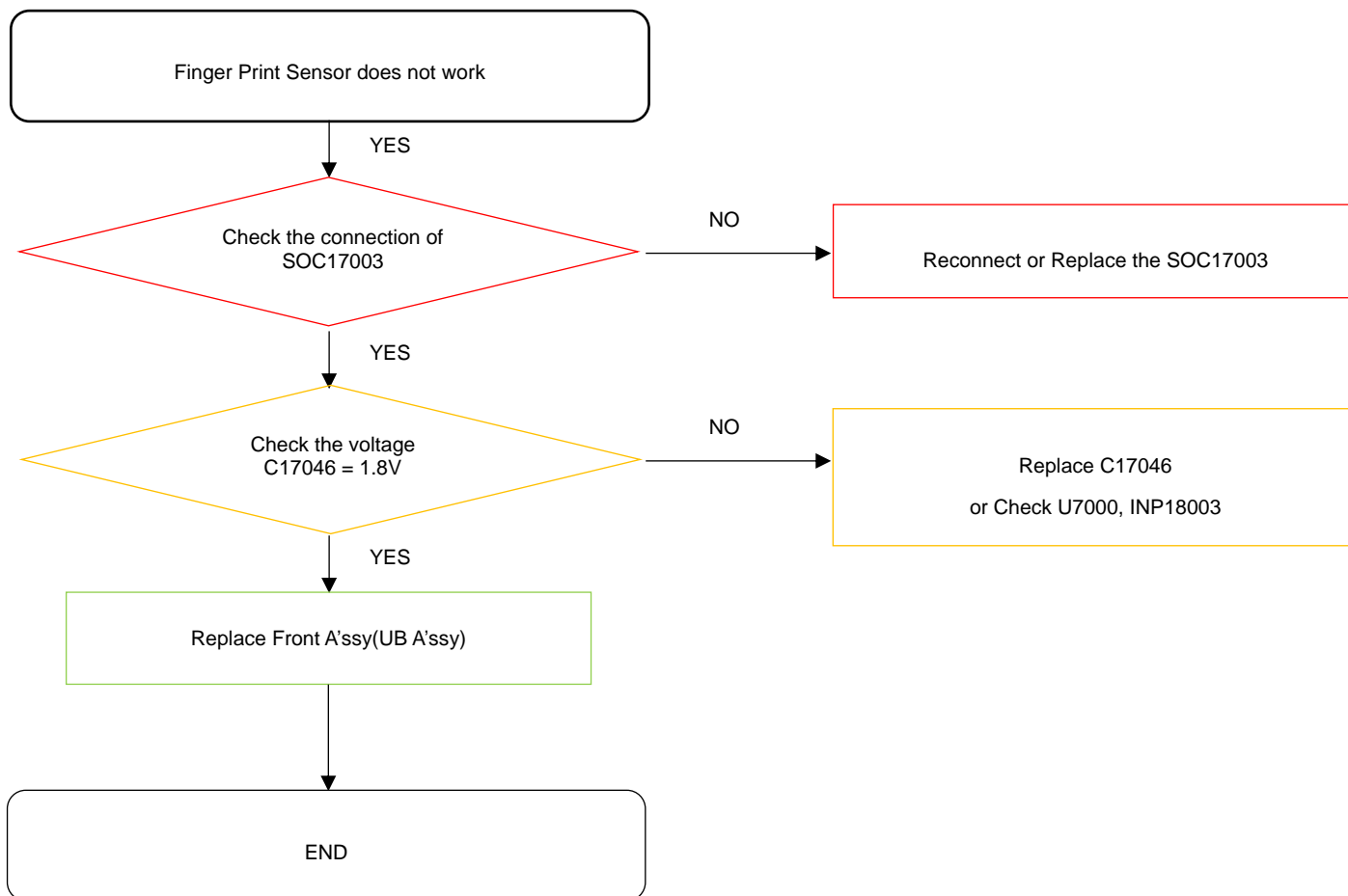
8. Level 3 Repair

8-4-14. Rear CAMERA



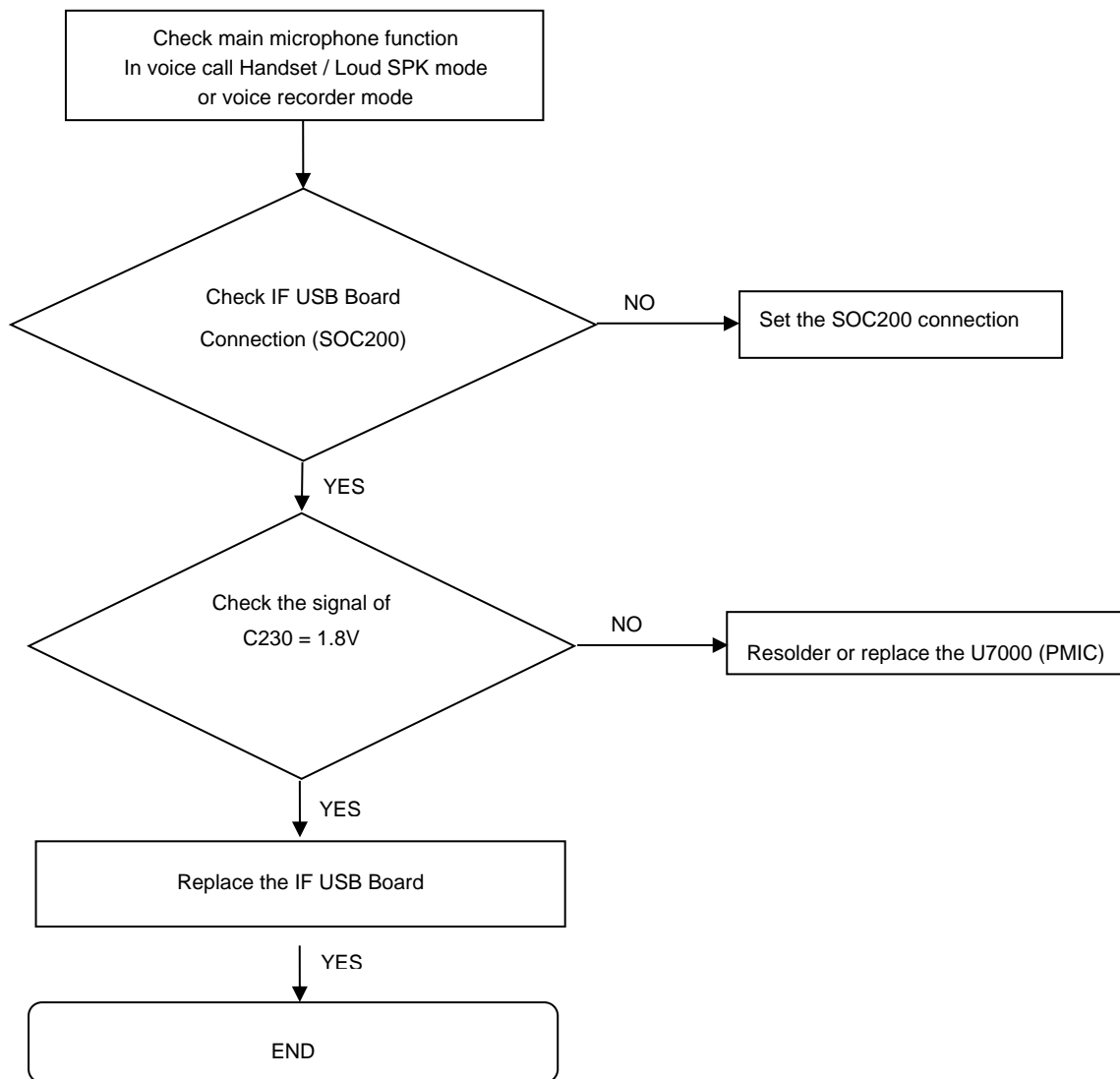
8. Level 3 Repair

8-4-15. Finger Print



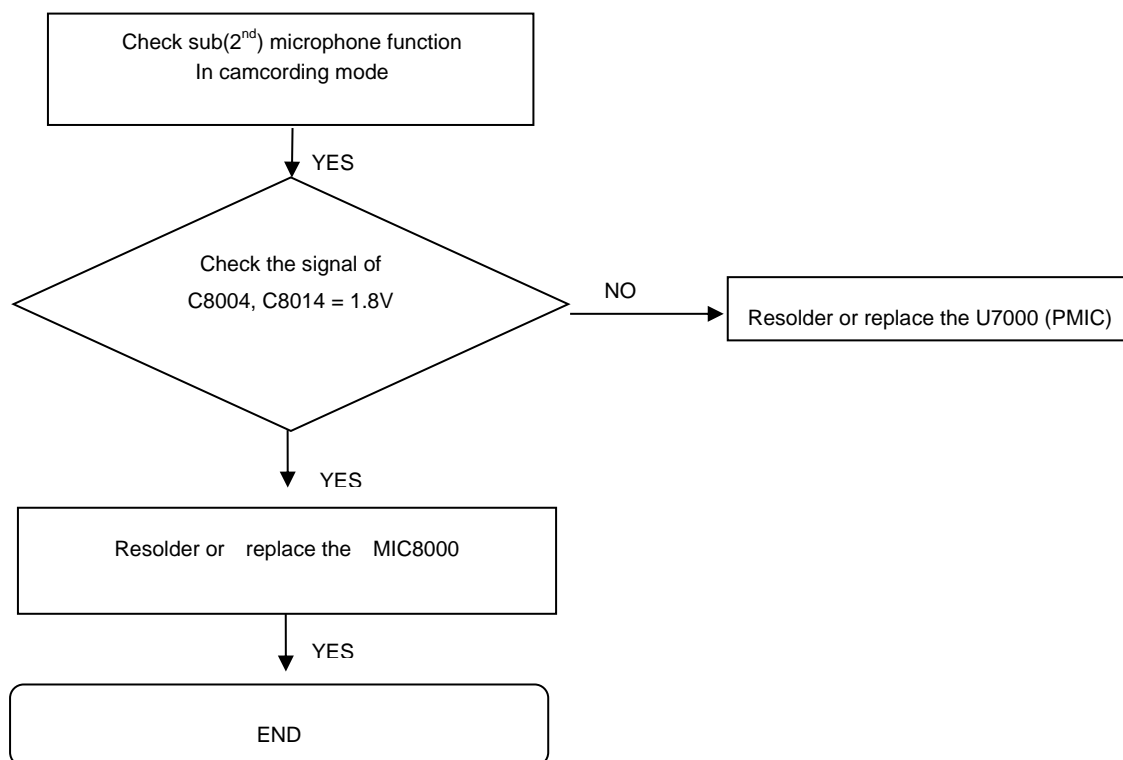
8. Level 3 Repair

8-4-16-1. Main MIC



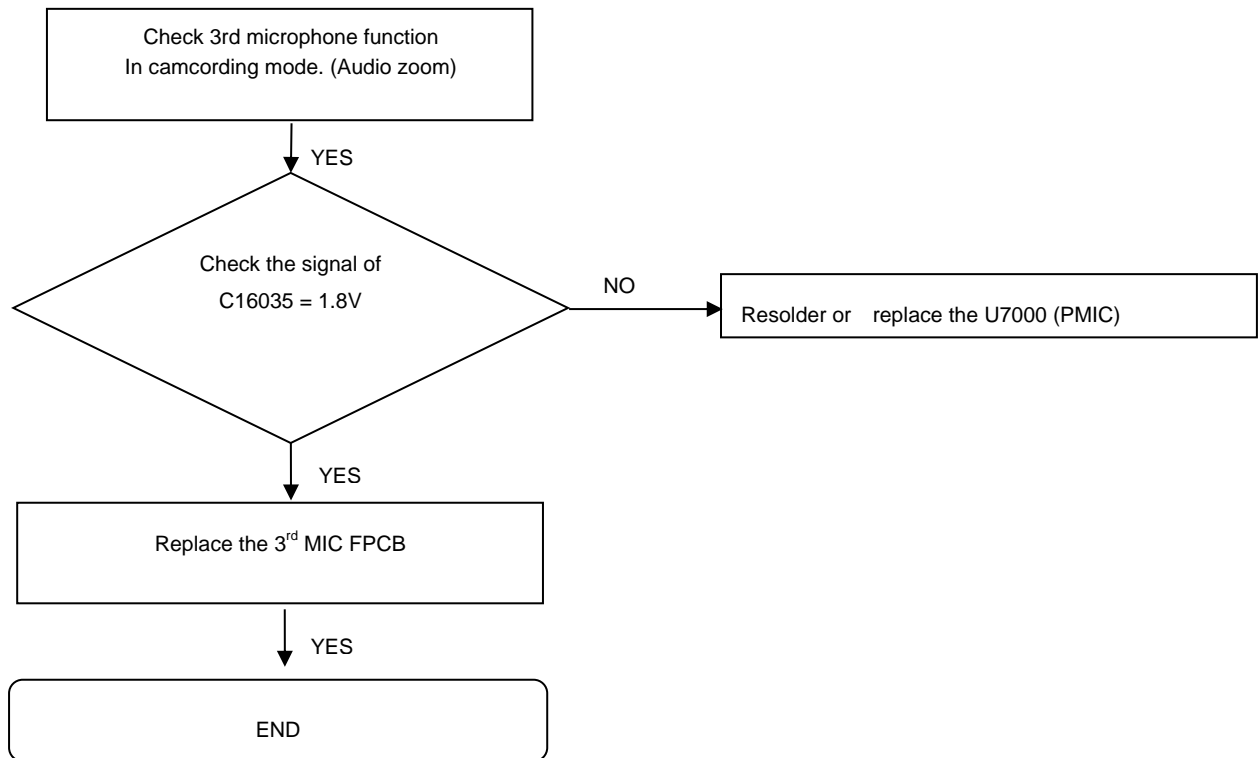
8. Level 3 Repair

8-4-16-2. Sub(2nd) MIC



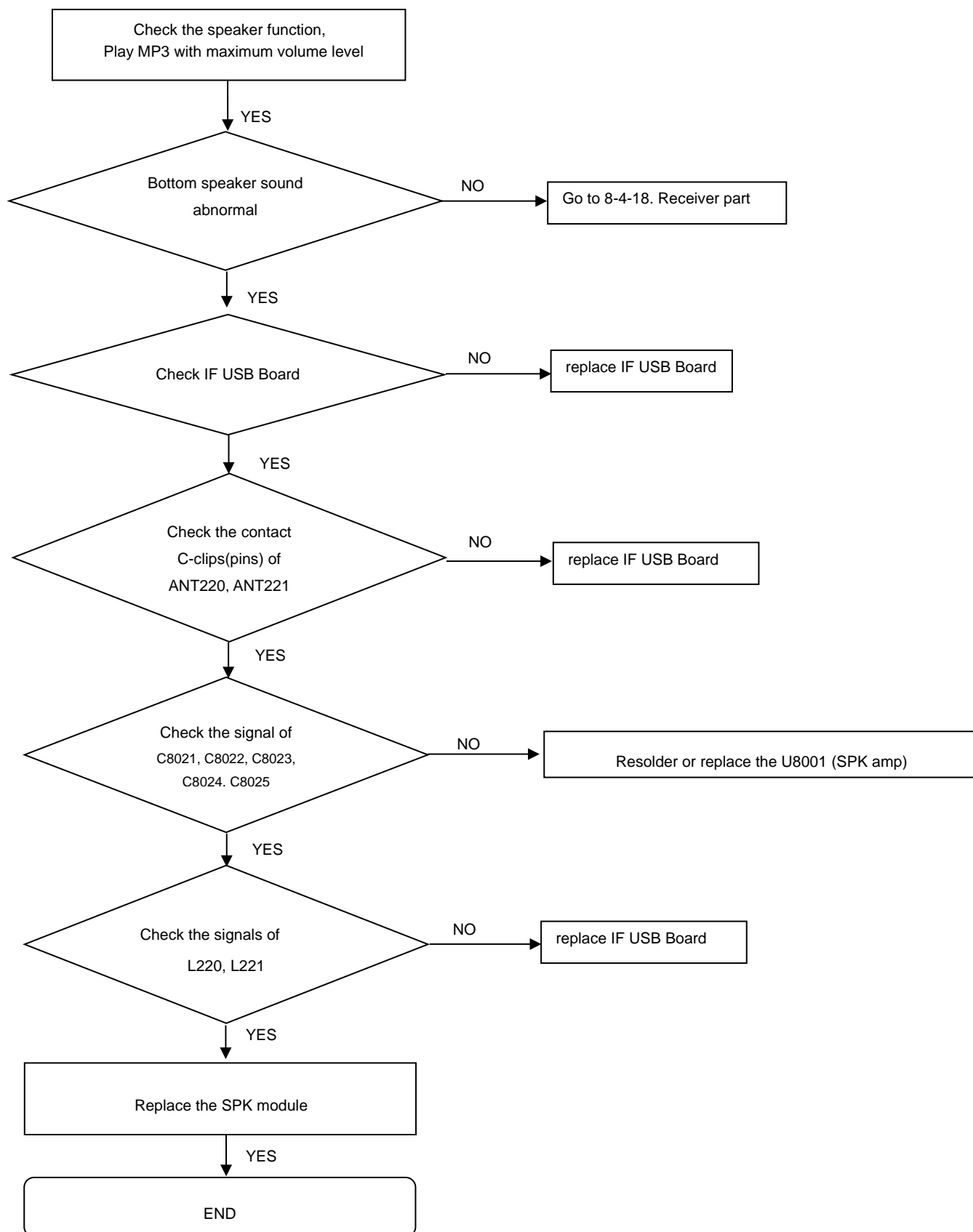
8. Level 3 Repair

8-4-16-3. 3rd MIC



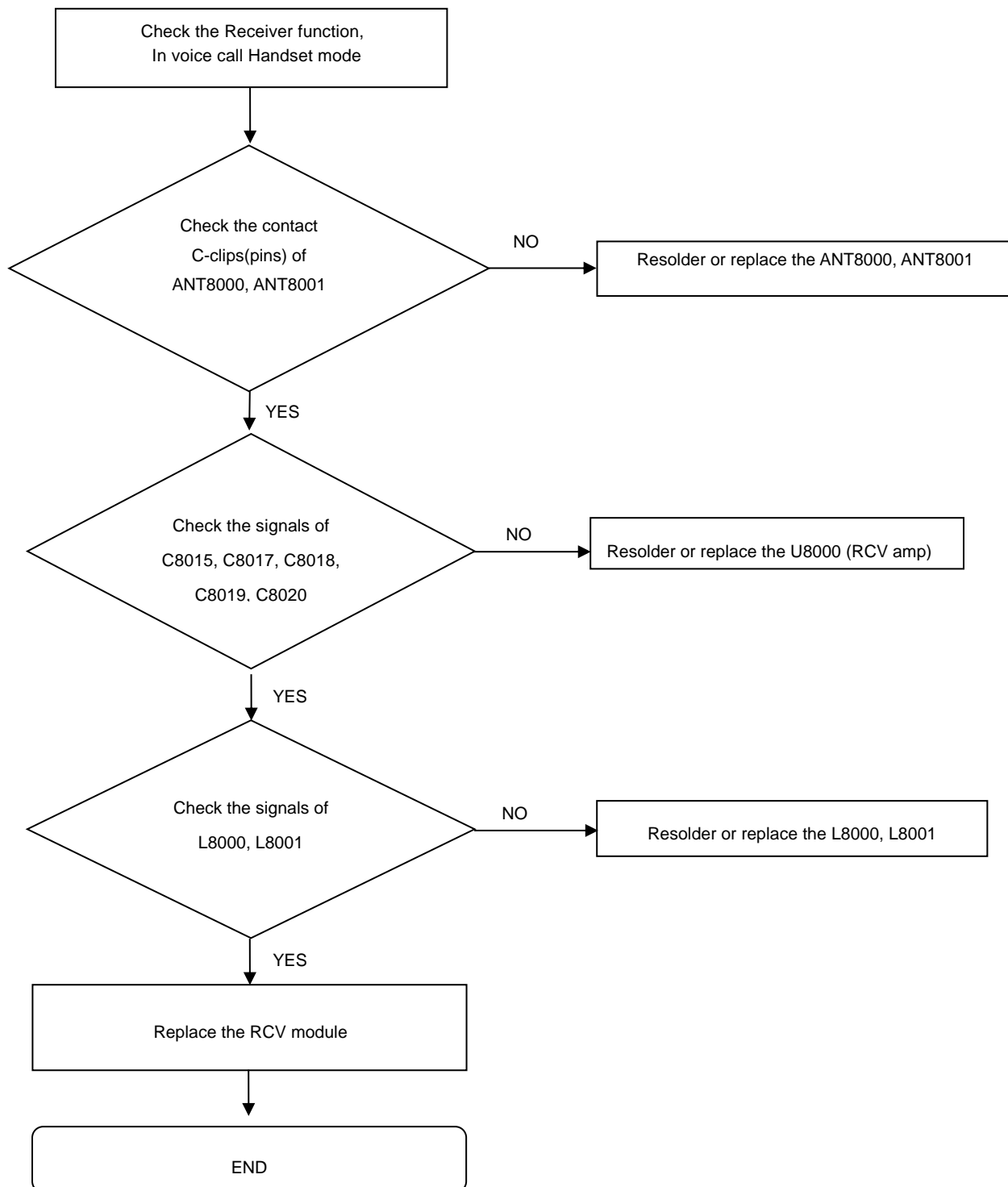
8. Level 3 Repair

8-4-17. Speaker part



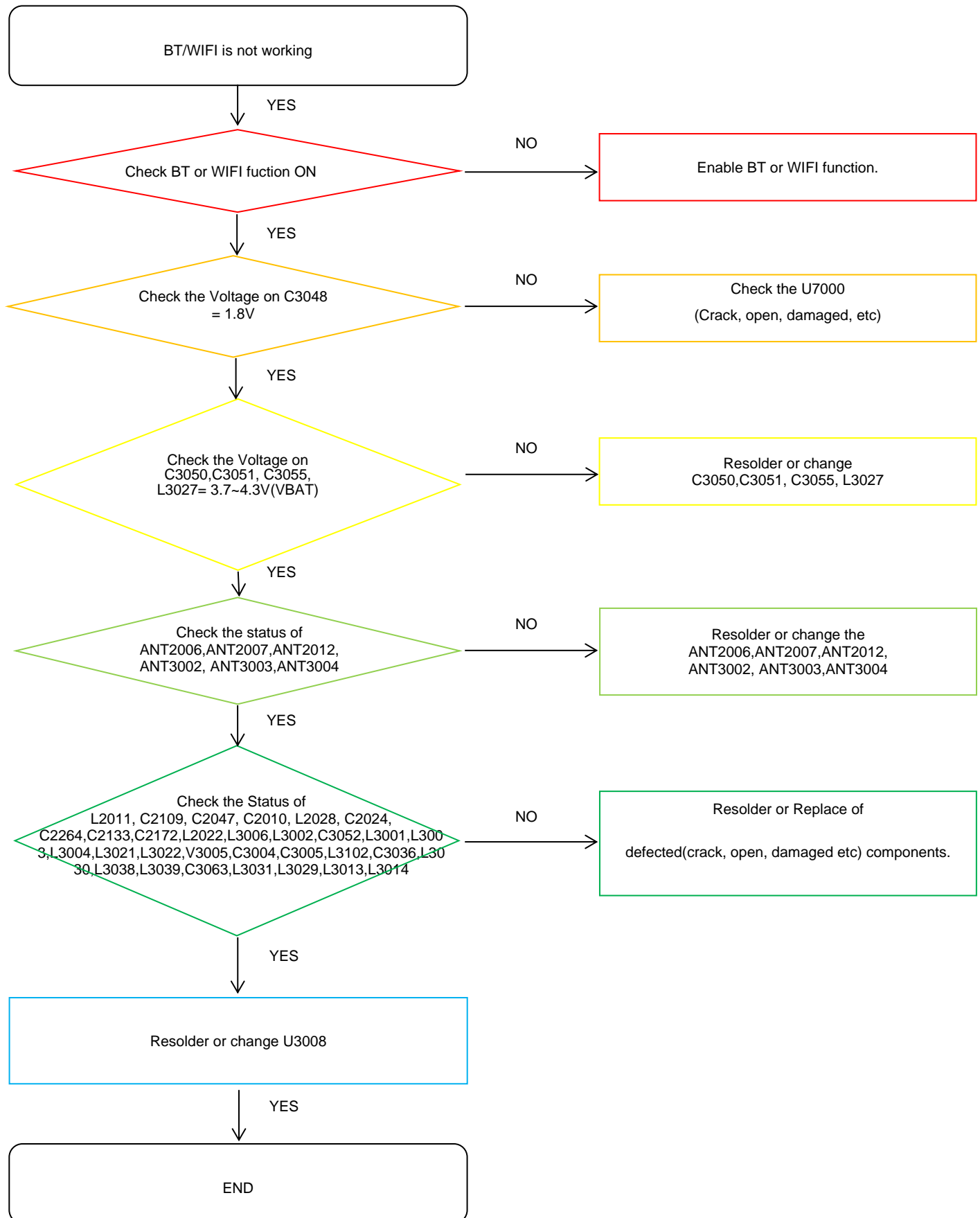
8. Level 3 Repair

8-4-18. Receiver part



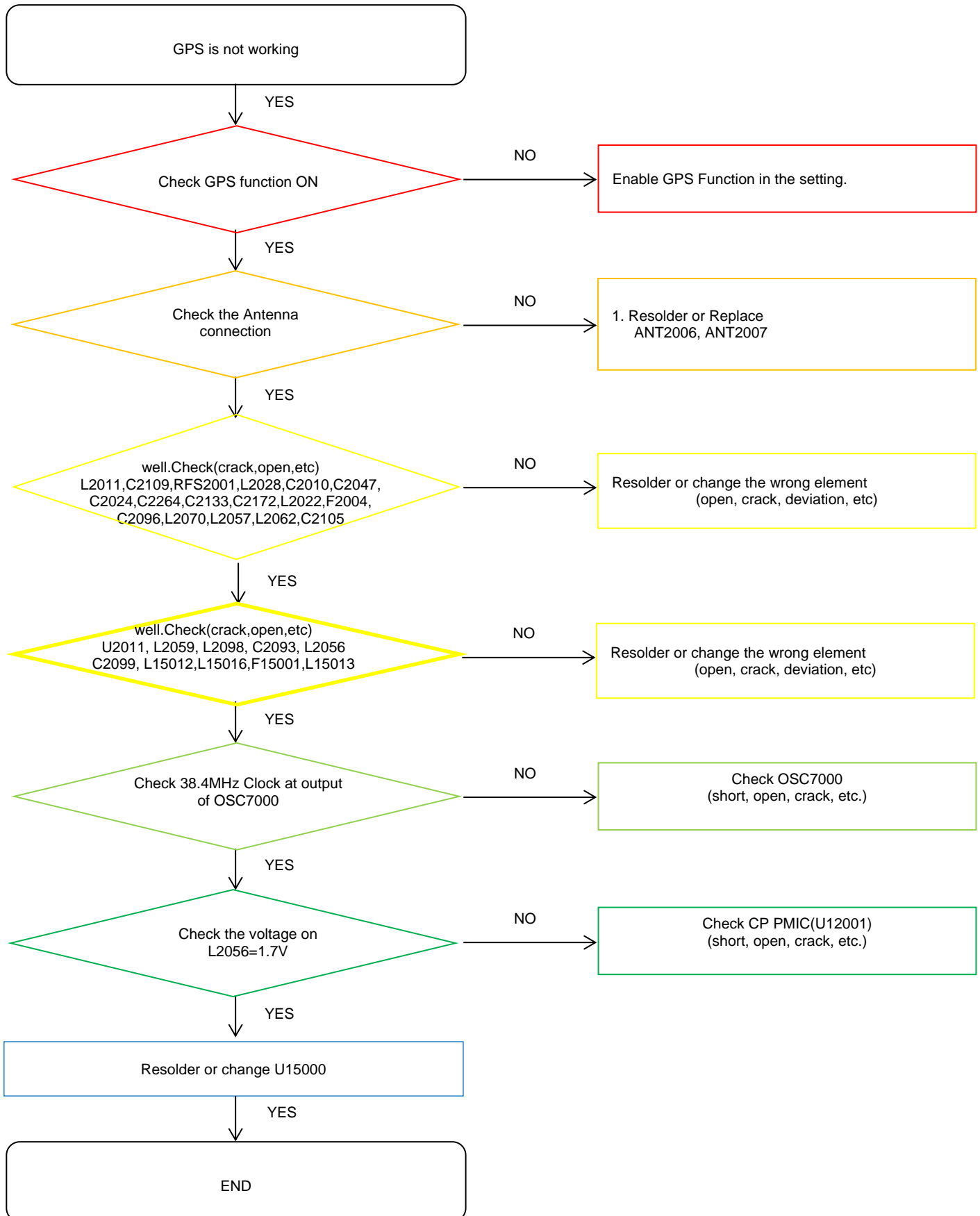
8. Level 3 Repair

8-4-19. BT/WIFI



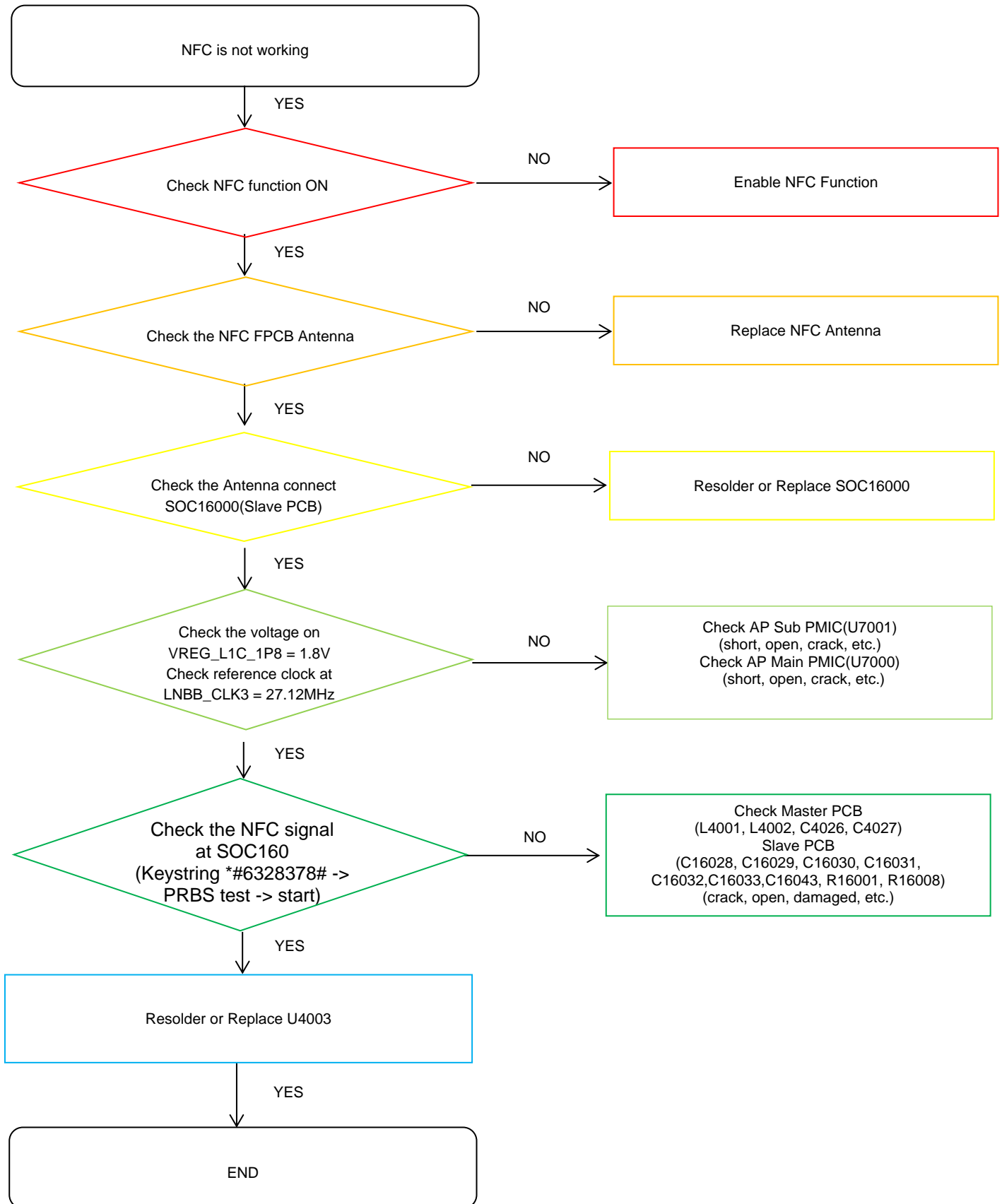
8. Level 3 Repair

8-4-20. GPS



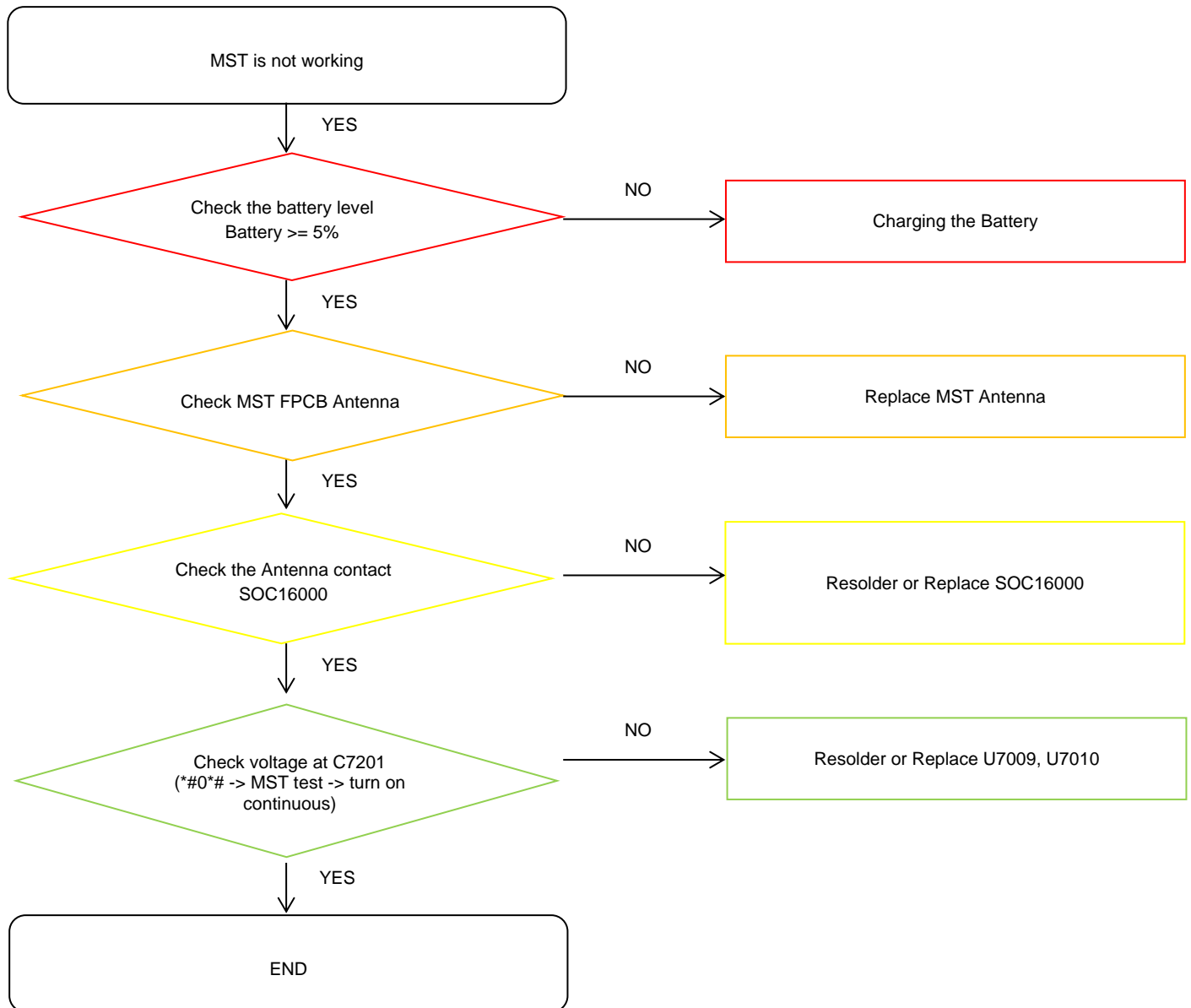
8. Level 3 Repair

8-4-21. NFC



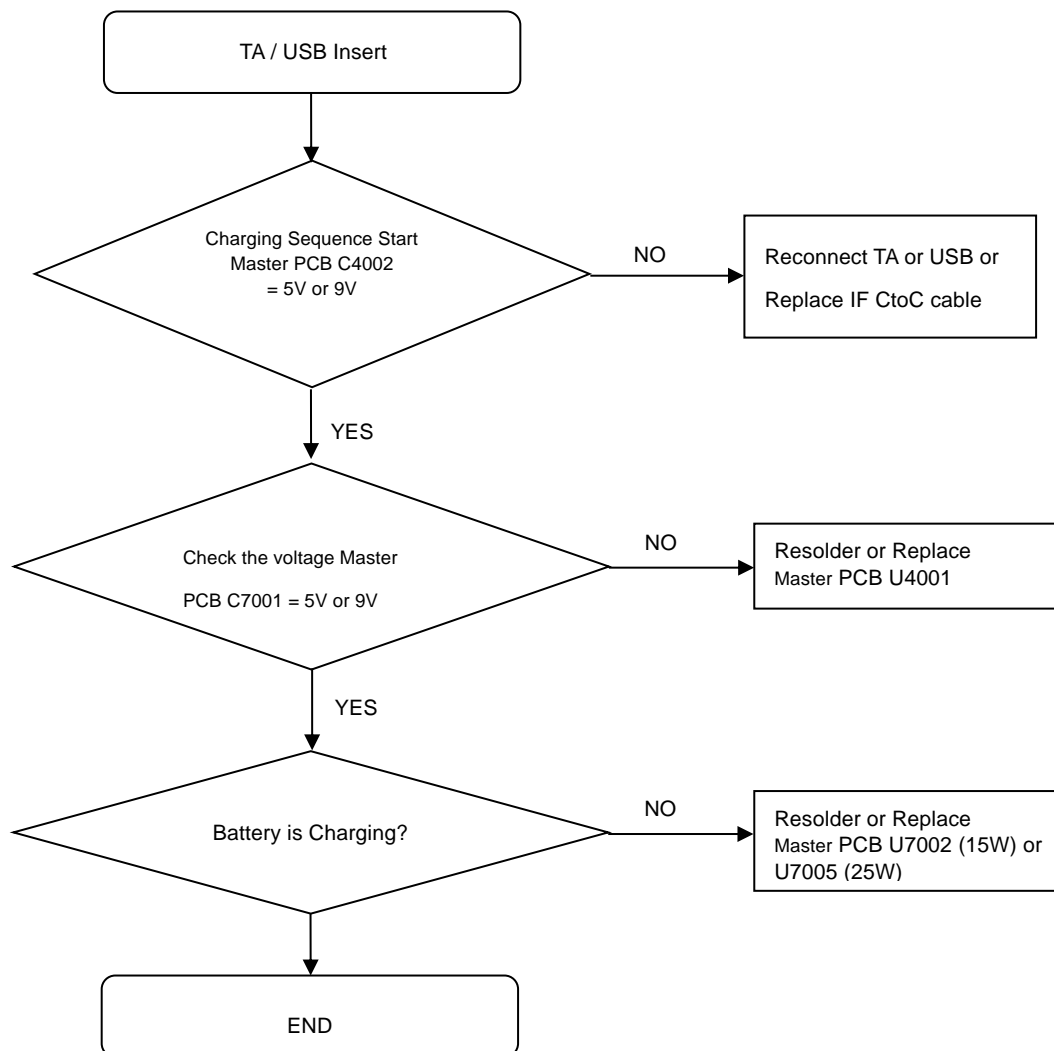
8. Level 3 Repair

8-4-22. MST



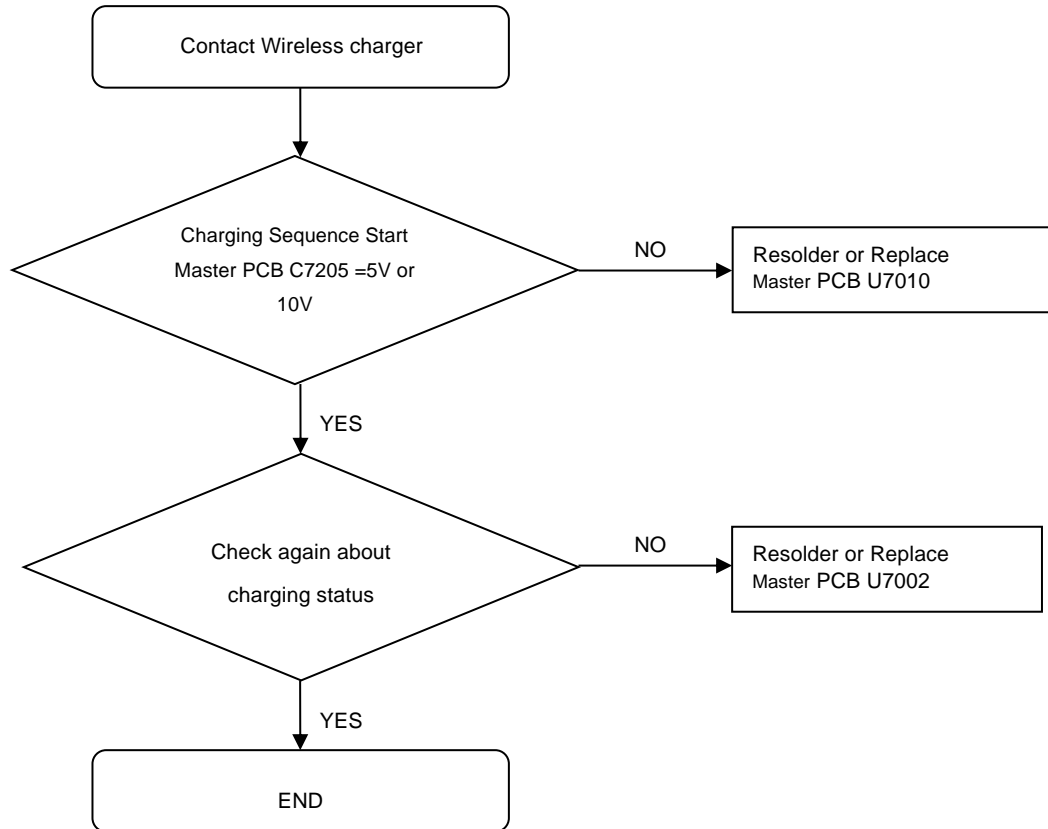
8. Level 3 Repair

8-4-23. Charging Part Charging (Normal/Fast)



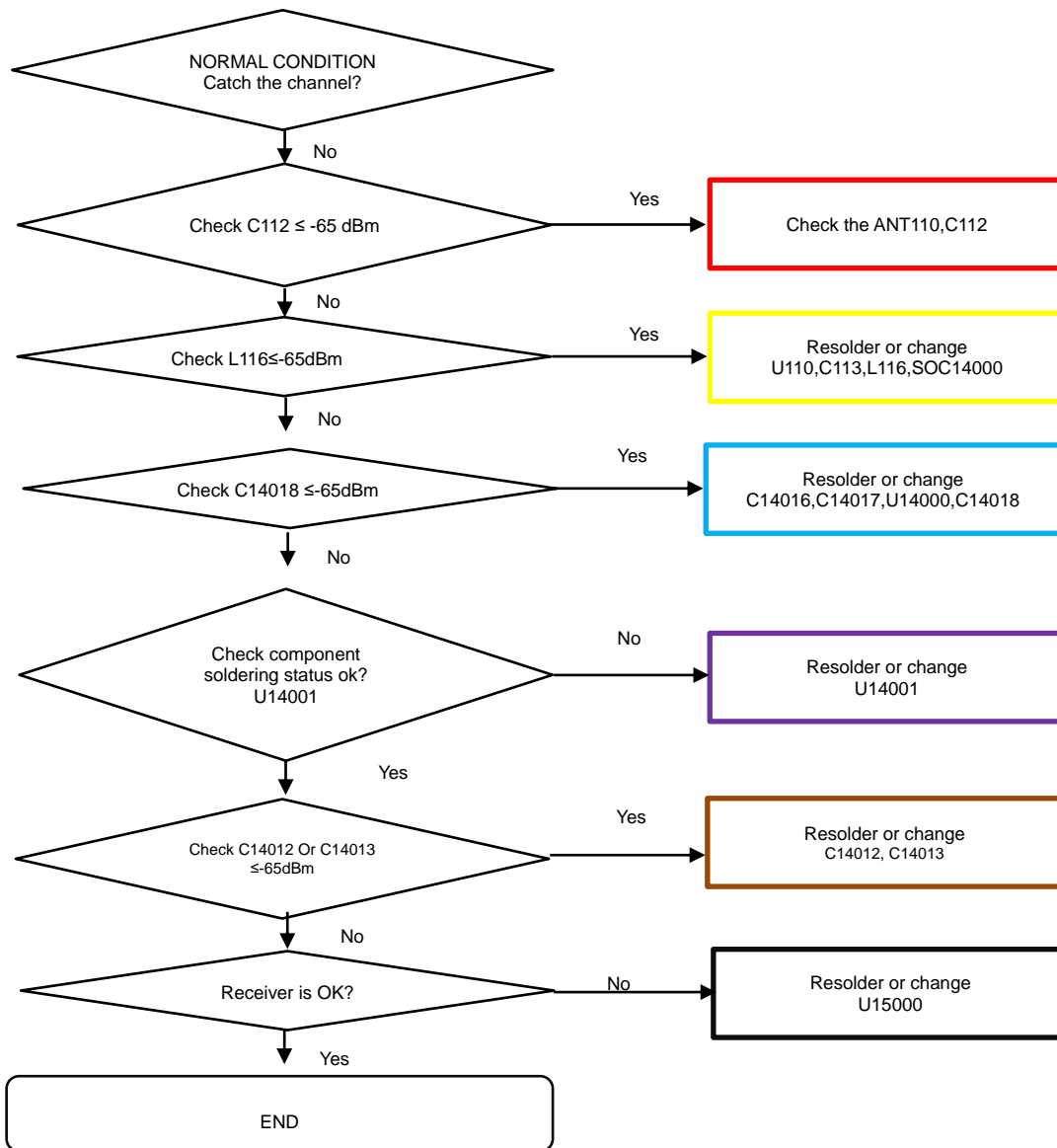
8. Level 3 Repair

8-4-24. Charging Part Wireless Charging (Normal/Fast)



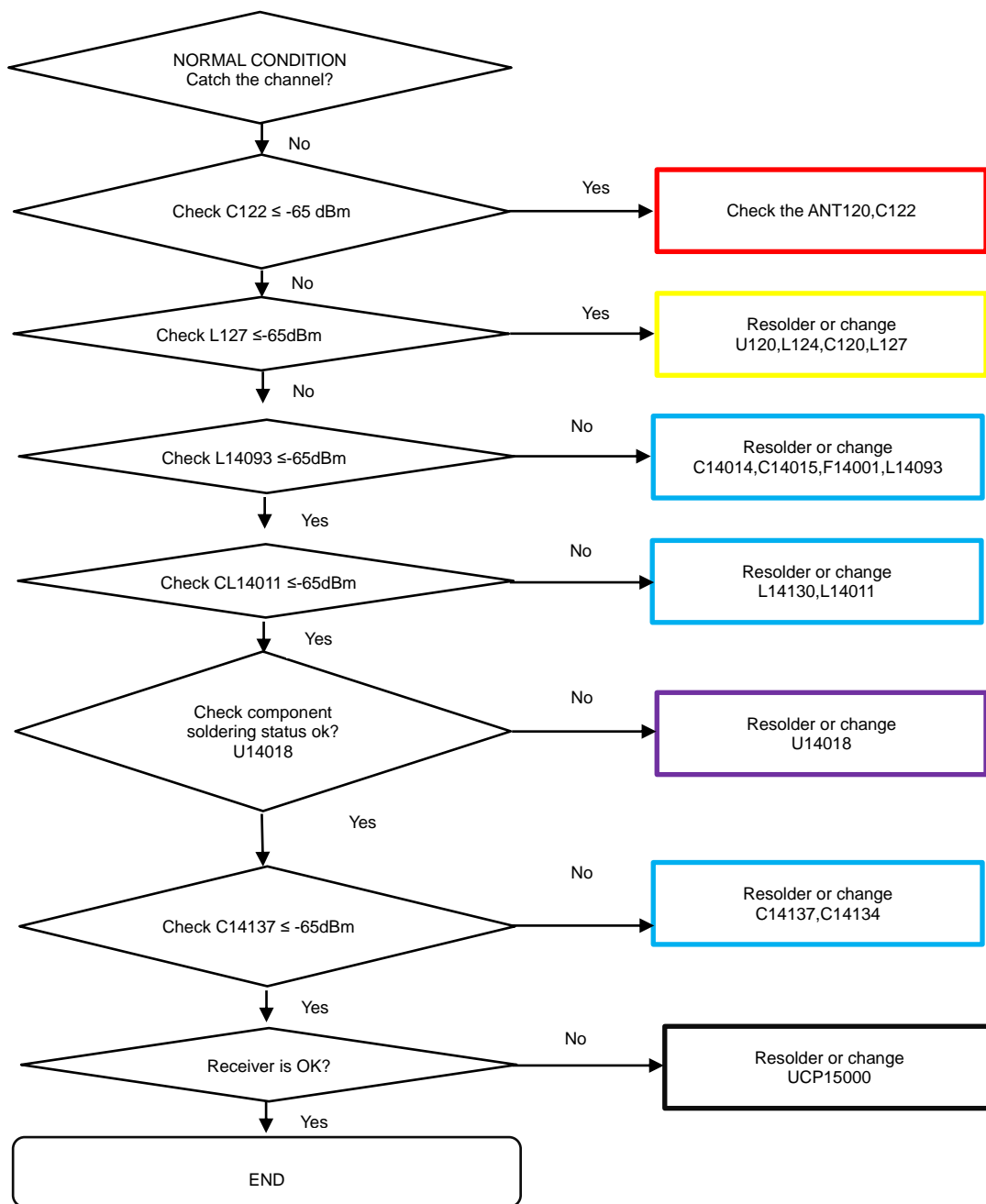
8. Level 3 Repair

8-4-25. GSM 850/900, CDMA BC0/10, WCDMA B5/8, LTE B5/8/12/13/14/18/19/20/26/28/29/71, NR_SUB6 n5/71 RX



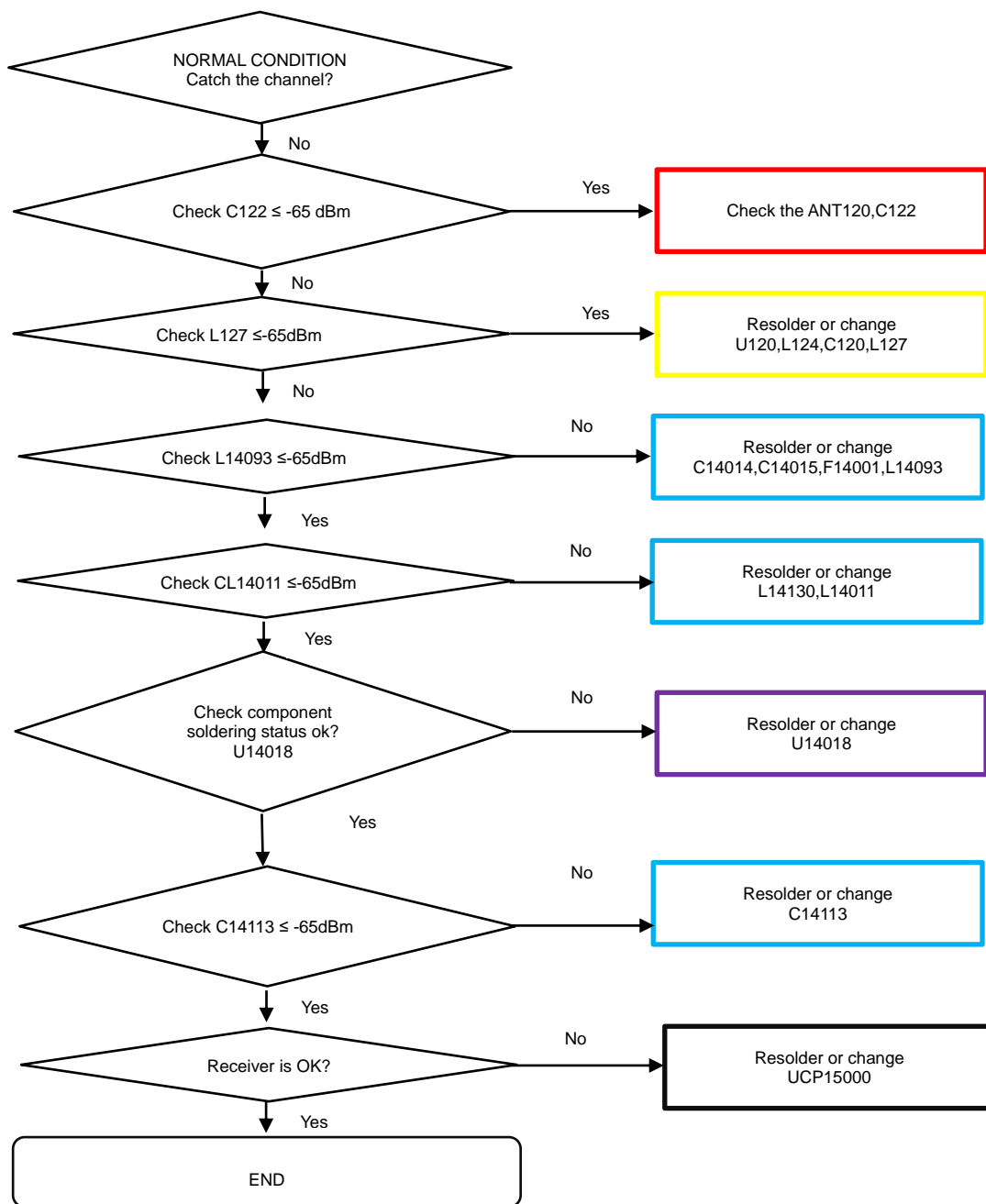
8. Level 3 Repair

8-4-26. LTE B7/38/41 RX



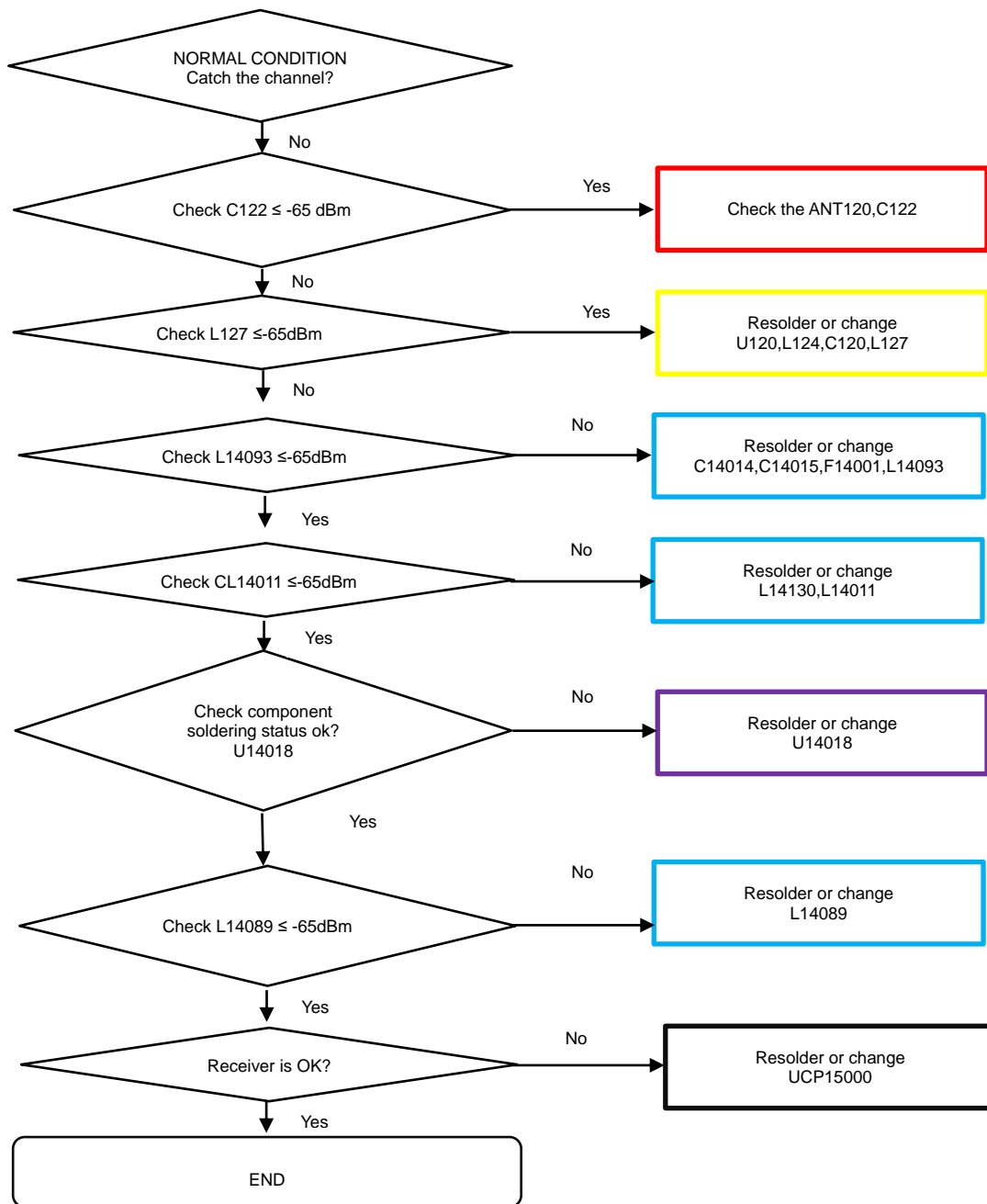
8. Level 3 Repair

8-4-27. LTE B30/40 RX



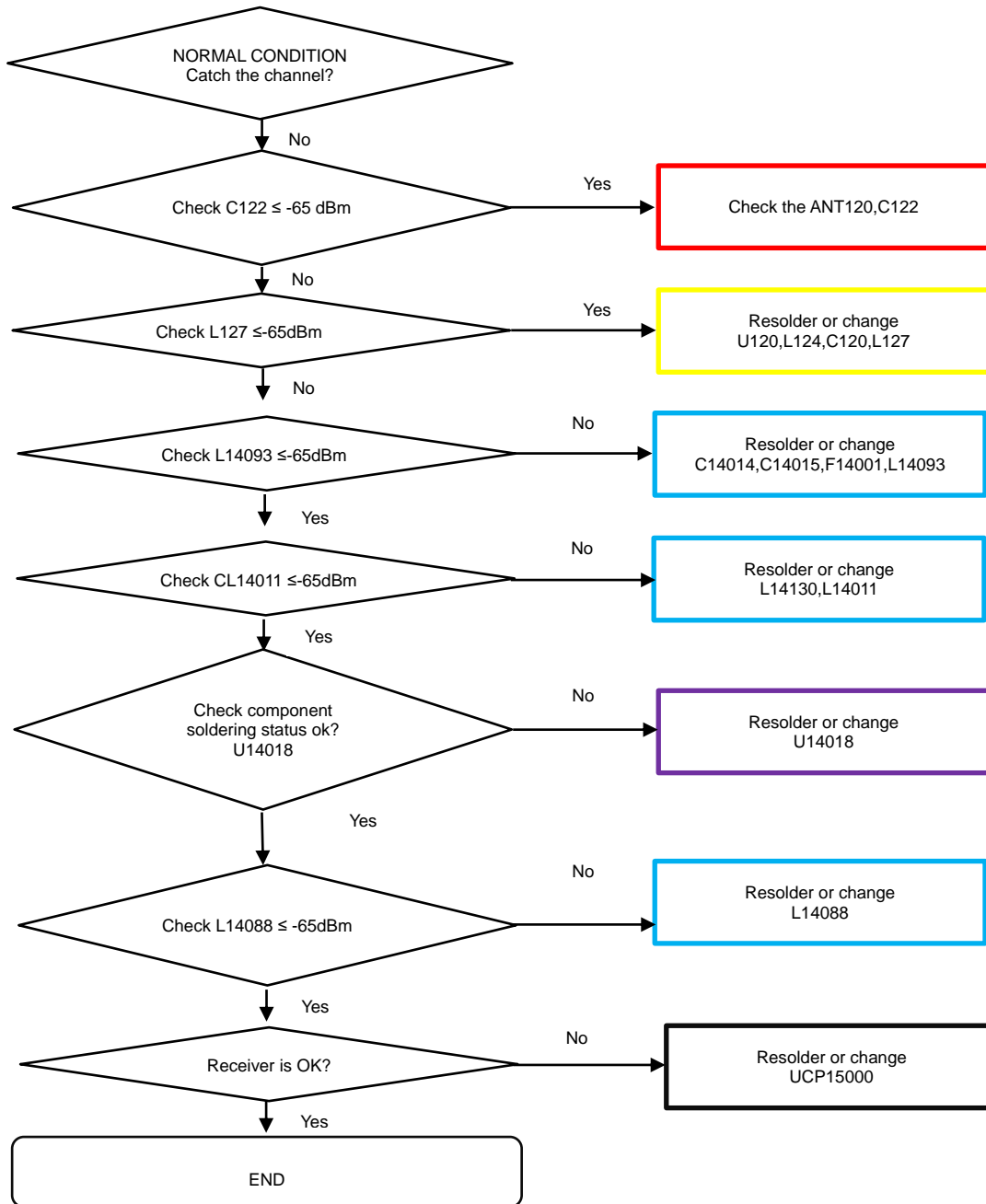
8. Level 3 Repair

8-4-28. LTE B1/4/39/66 RX



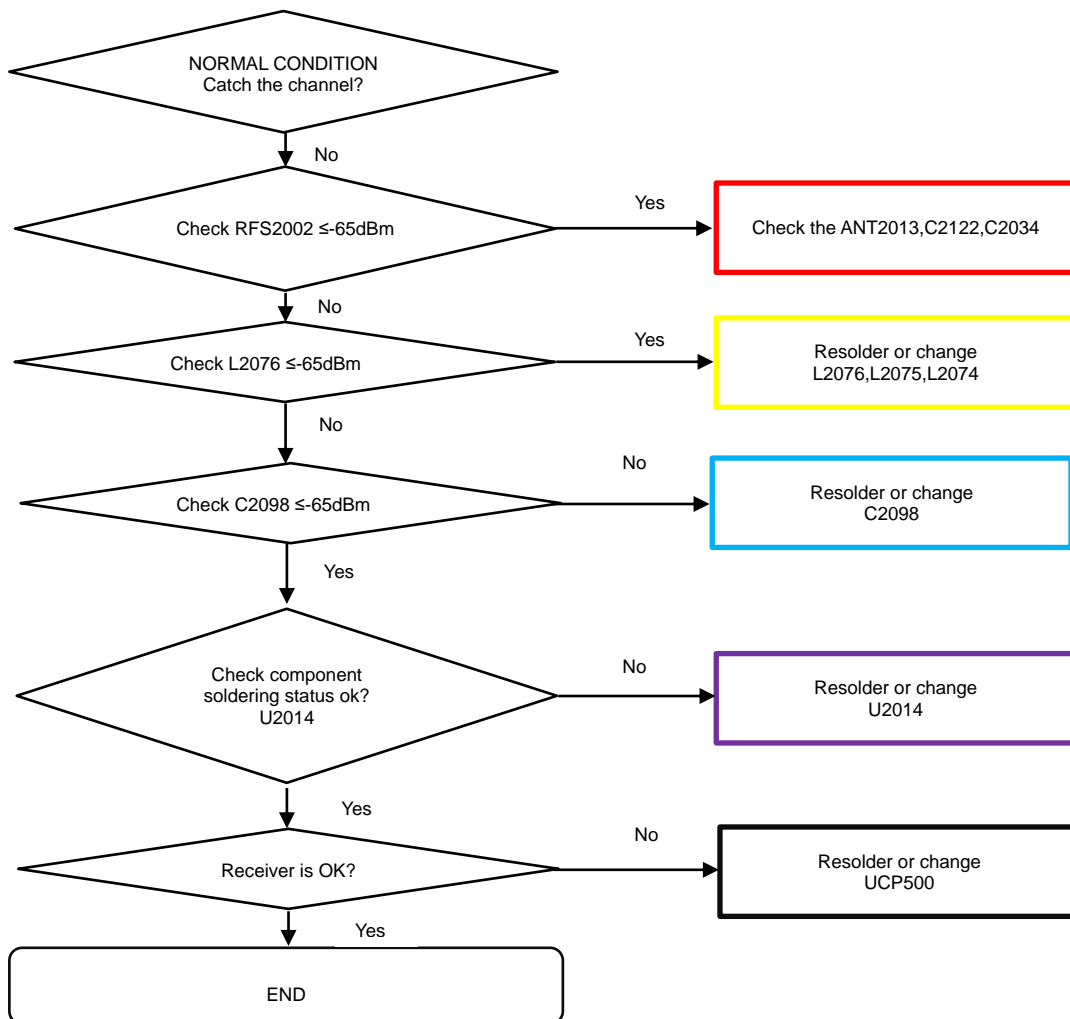
8. Level 3 Repair

8-4-29. DCS/PCS, CDMA BC1, LTE B2/3/25/34 RX



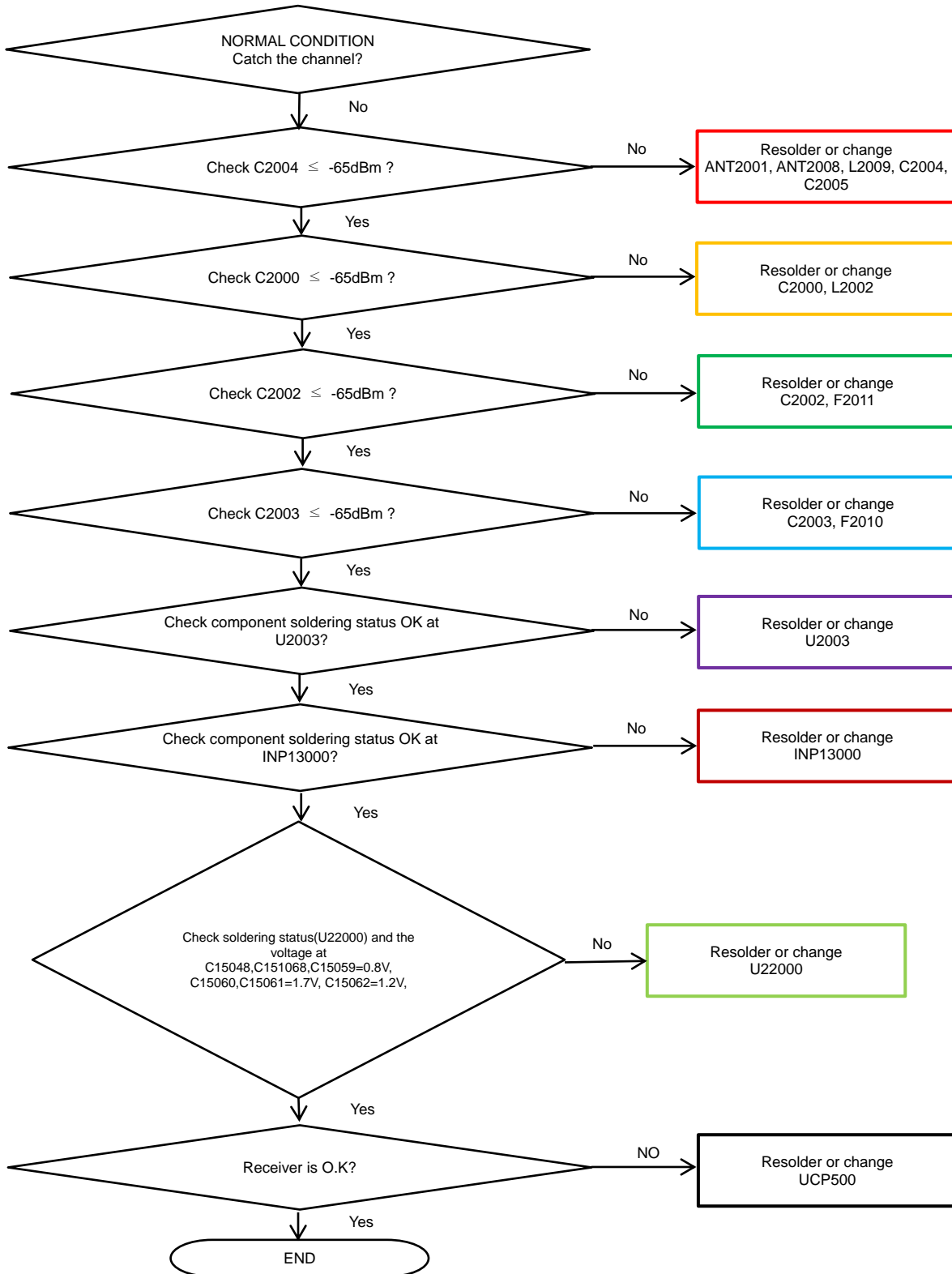
8. Level 3 Repair

8-4-30. LTE B48 RX



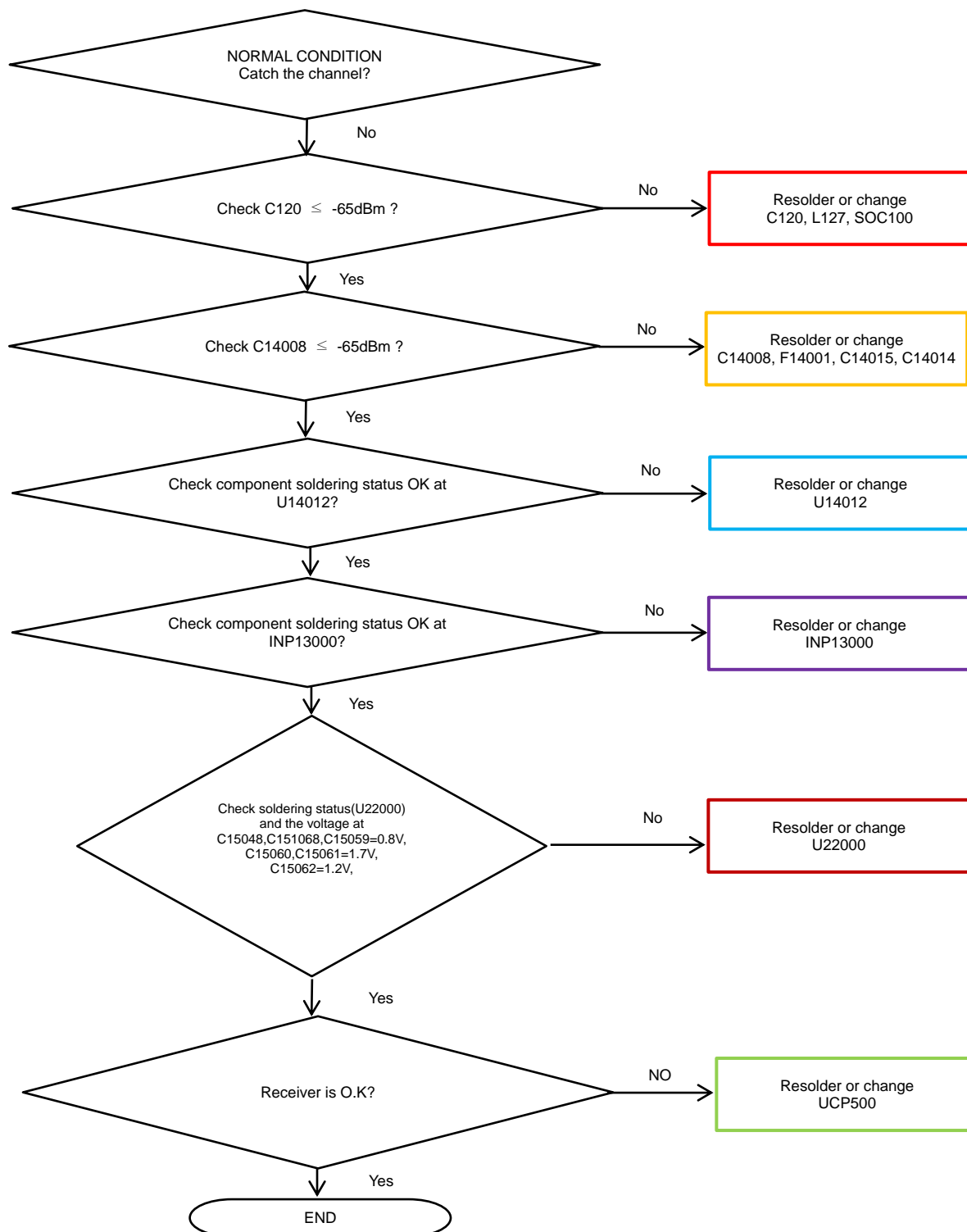
8. Level 3 Repair

8-4-31. CDMA BC0/10, LTE B5/8/12/13/14/17/18/19/20/26/28/29/71, NR_SUB6 n5/71 DRX



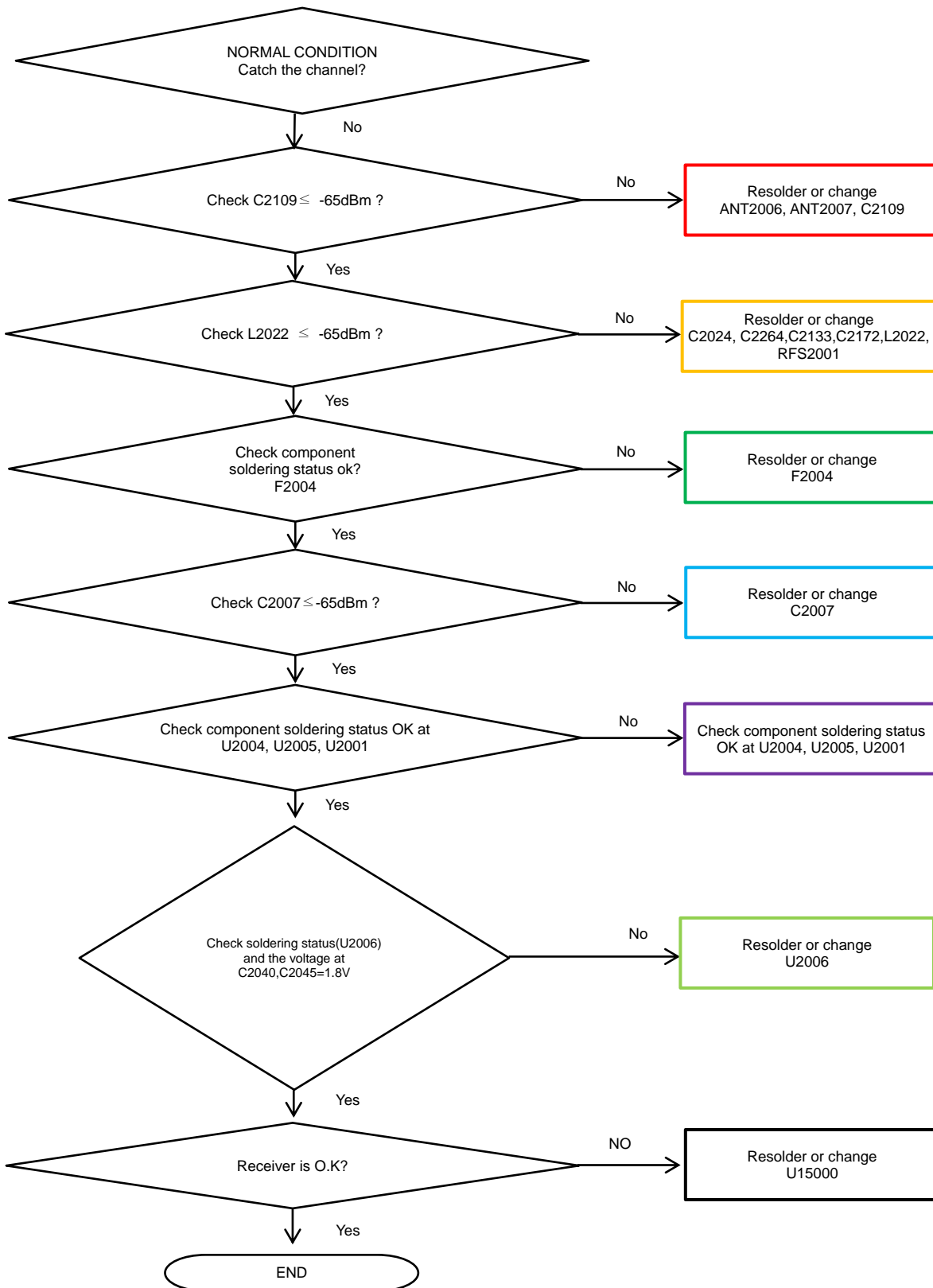
8. Level 3 Repair

8-4-32. LTE B48 DRX



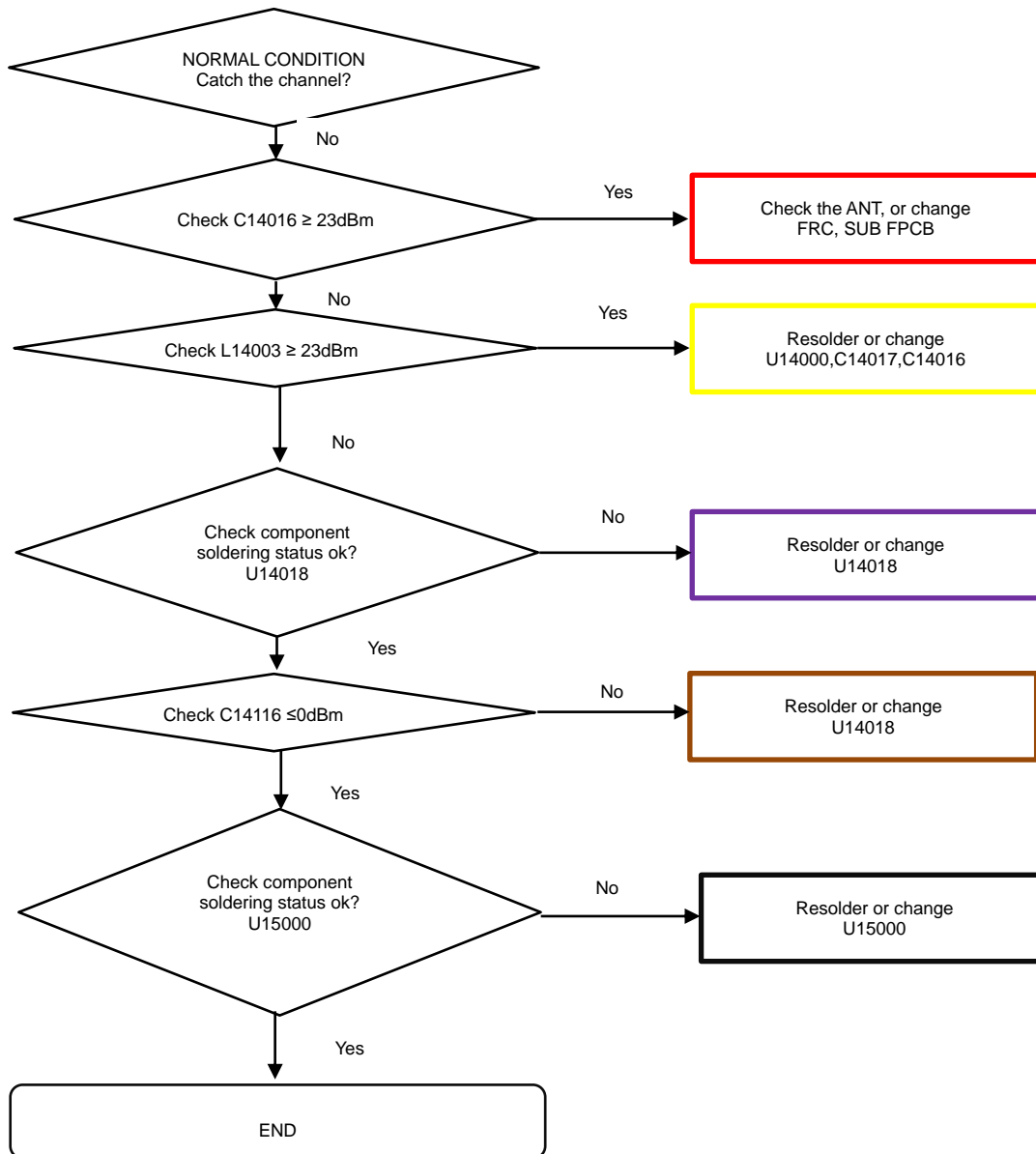
8. Level 3 Repair

8-4-33. CDMA BC1, LTE B1/2/3/4/7/25/30/34/38/39/40/41/66 DRX



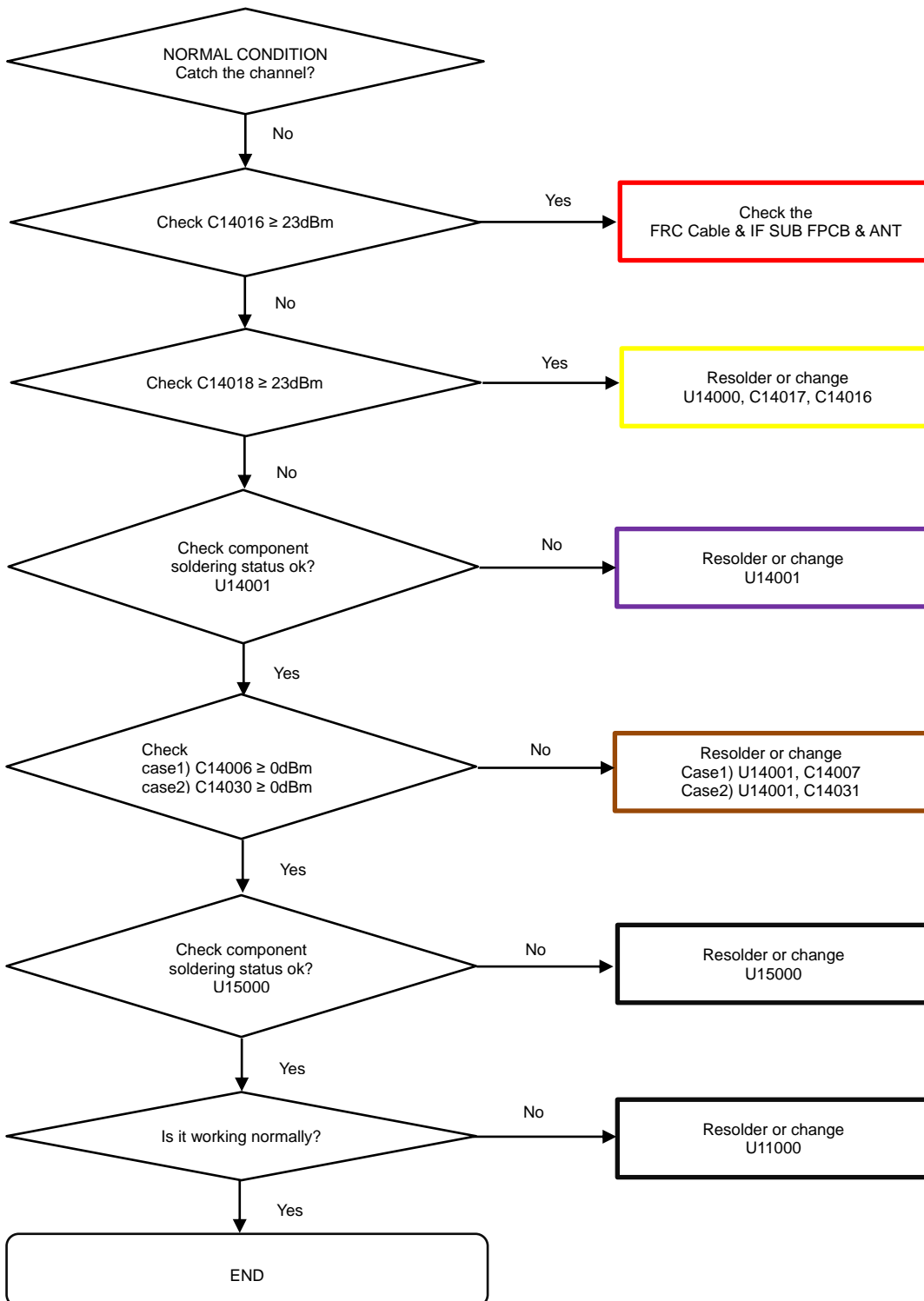
8. Level 3 Repair

8-4-34. CDMA BC1, LTE B1/2/3/4/25/39/66 TX



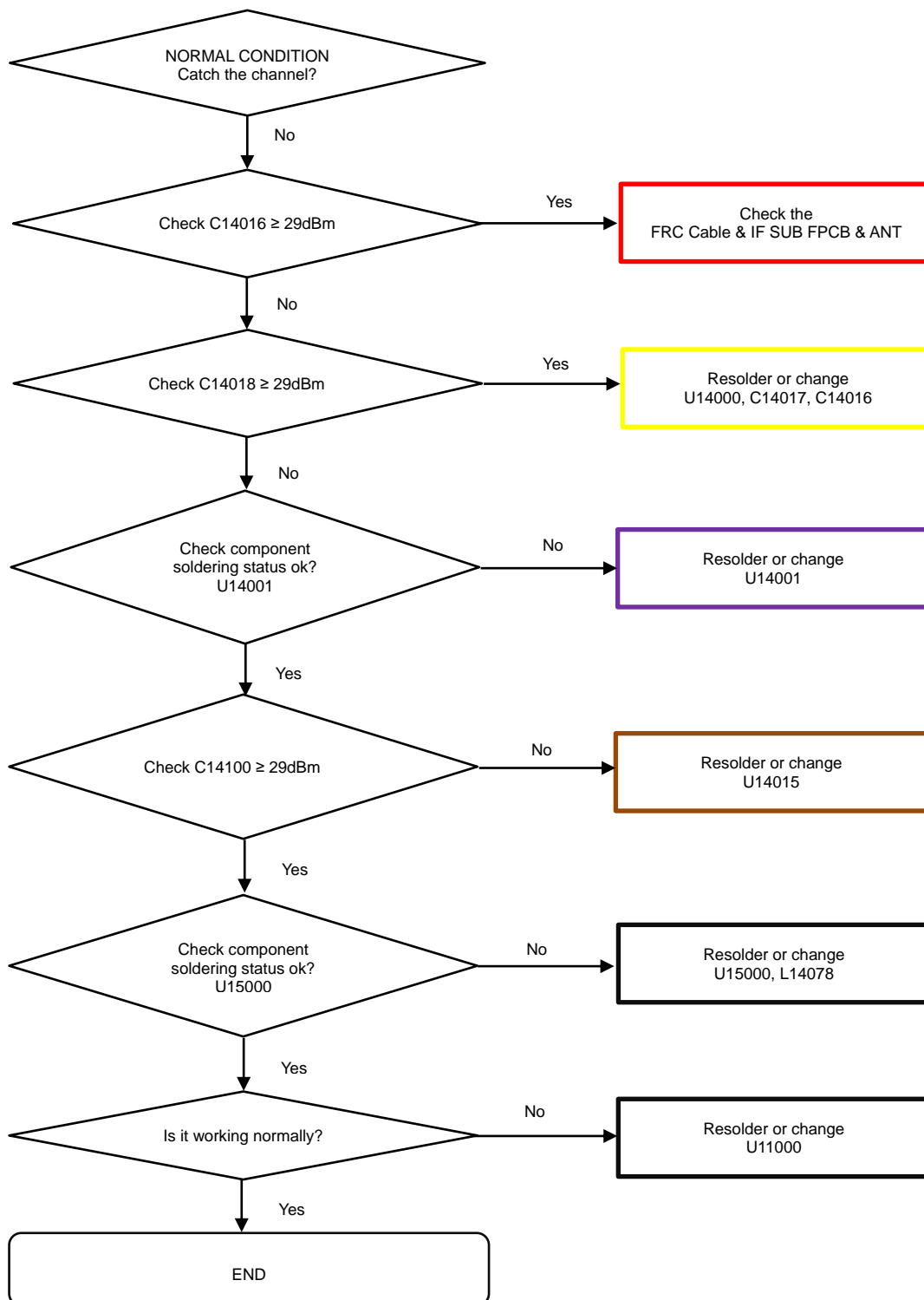
8. Level 3 Repair

8-4-35. CDMA BC0/10, B5/8/12/13/14/18/19/20/26/28/71, NR_SUB6 n5/71 TX



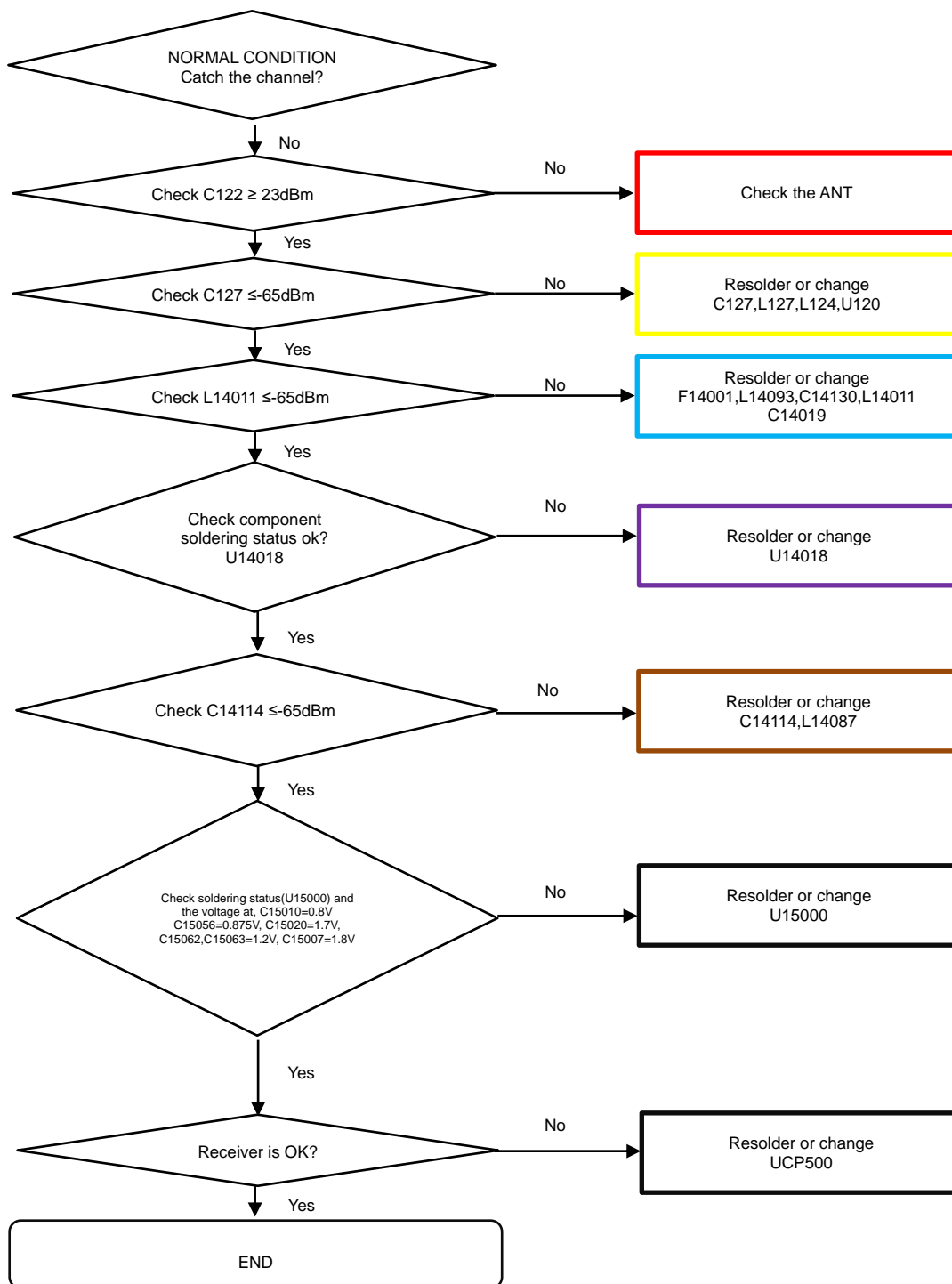
8. Level 3 Repair

8-4-36. GSM 850/900 TX



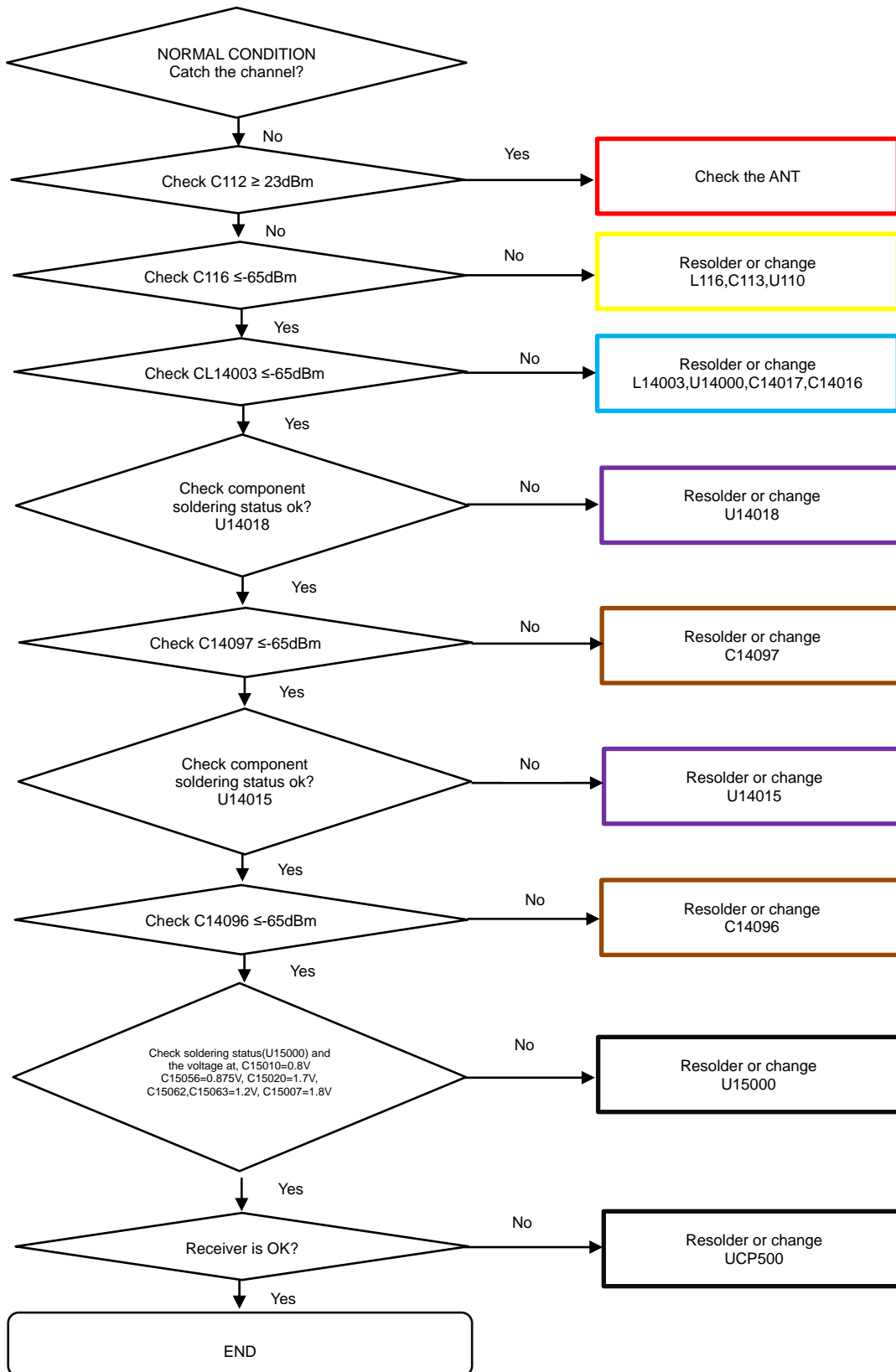
8. Level 3 Repair

8-4-37. LTE B7/30/38/40/41 TX



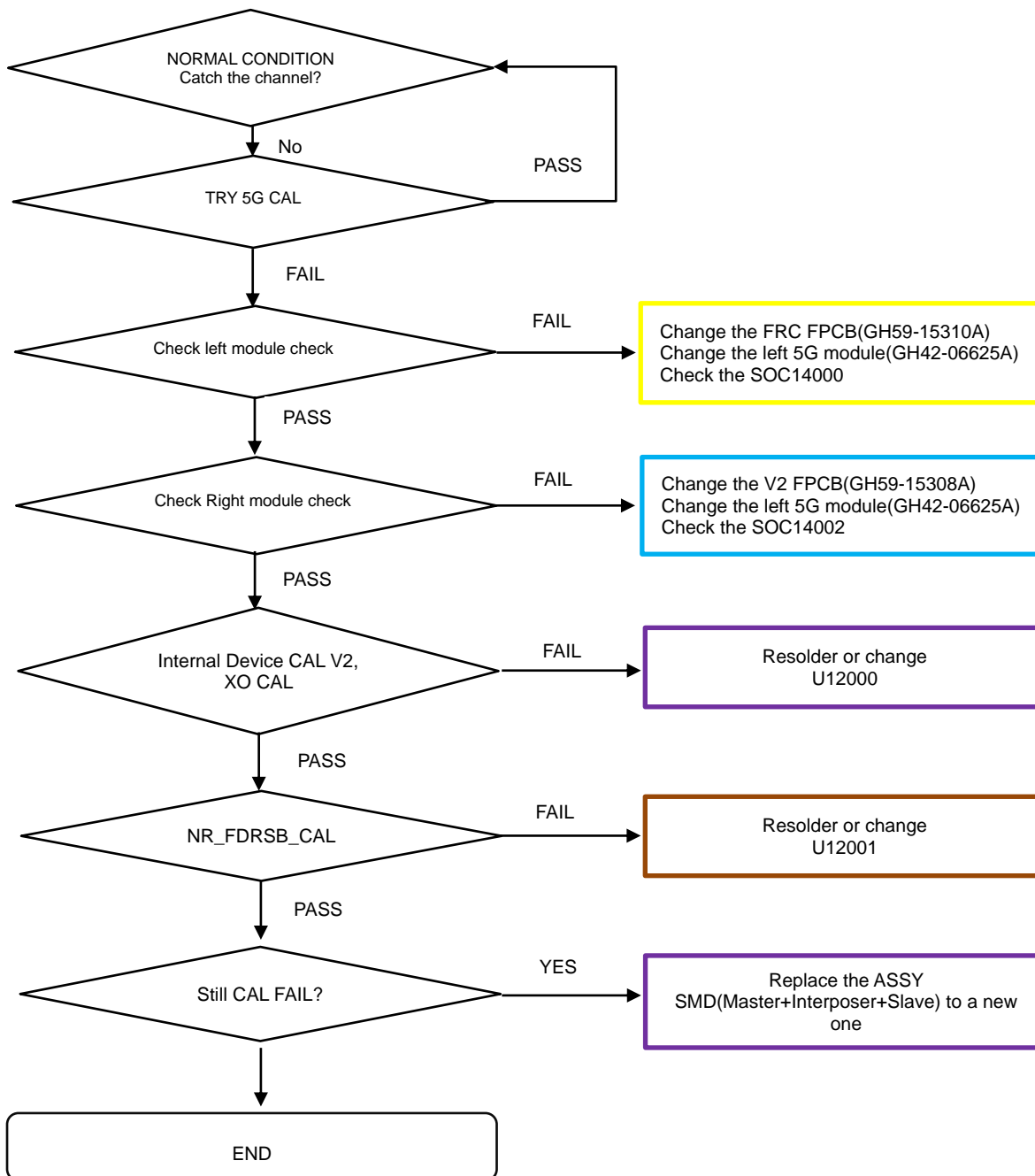
8. Level 3 Repair

8-4-38. GSM DCS/PCS TX



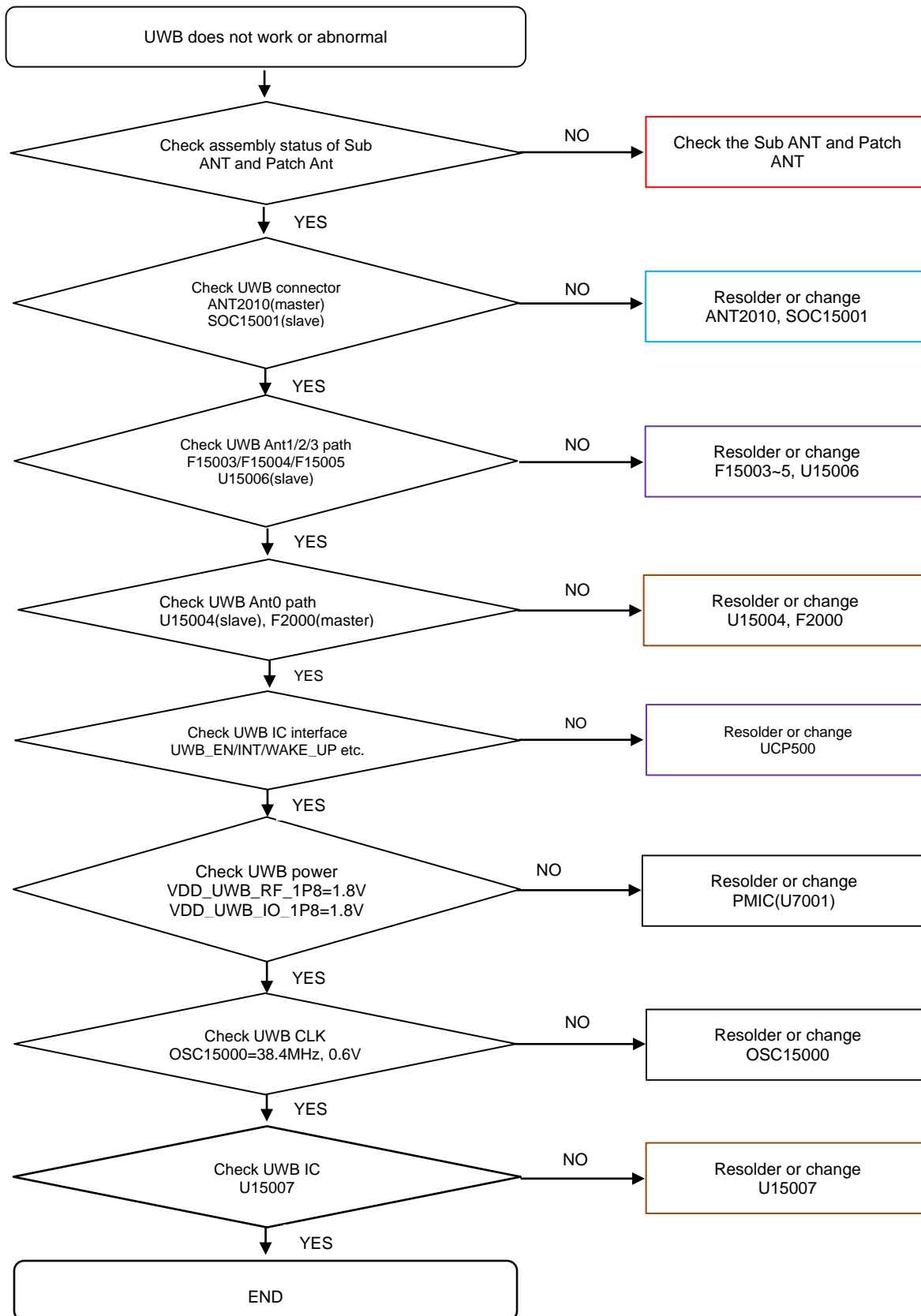
8. Level 3 Repair

8-4-39. 5G mmW



8. Level 3 Repair

8-4-40. UWB



8. Level 3 Repair

8-4-41. Dex Station

