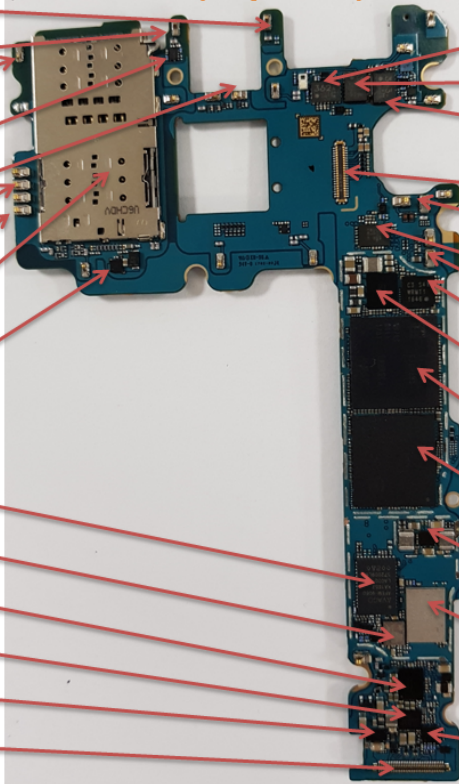


8. Level 3 Repair (VIETMOBILE.VN)

8-1. Components Layout

PBA (Top side)

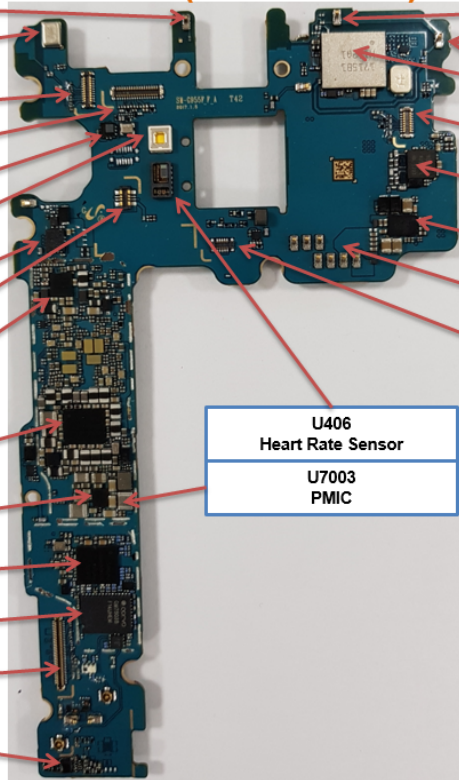
ANT201 Ant. Contact for Sub1
ANT206 Ant. Contact (for Sub Ant SW)
ANT402/403 Ant. Contact (for BT/WIFI)
U203 Sub Ant. Switch
ANT802/803 RCV contact
ANT303/306 Int. Key Contact
ANT305/304 Volume Key Contat
CN300 SIM/SD CARD SOCKET
U7023 MST SW
PAM103 HB LPAMiD (B7,38,40,41)
PAM101 2G PAM
U808 Audio Codec
U800 SPK AMP
U805 OVP IC
U7027 Sub PCB connector



F203 MB LFEM (B39, B1,2,3,4,7,40 4Rx)
F201 LB LFEM (B5,8,12,13,17,18,19,20,28)
F206 HB LFEM(B1,2,3,4,7,25,32,66)
HDC1000 Main CAM connector
ANT7004/7005 Motor Contact
U400 Sensor HUB
ANT300/301 Power Key Contact
U904 Companion IC
U7018 IF PMIC
UCP500 Application & Communication Procesor
U301 UFS Memory
U100 ET Modulator
PAM100 LB LPAMiD (B5,8,12,13,17,18,19,20,28)
U804 CC IC

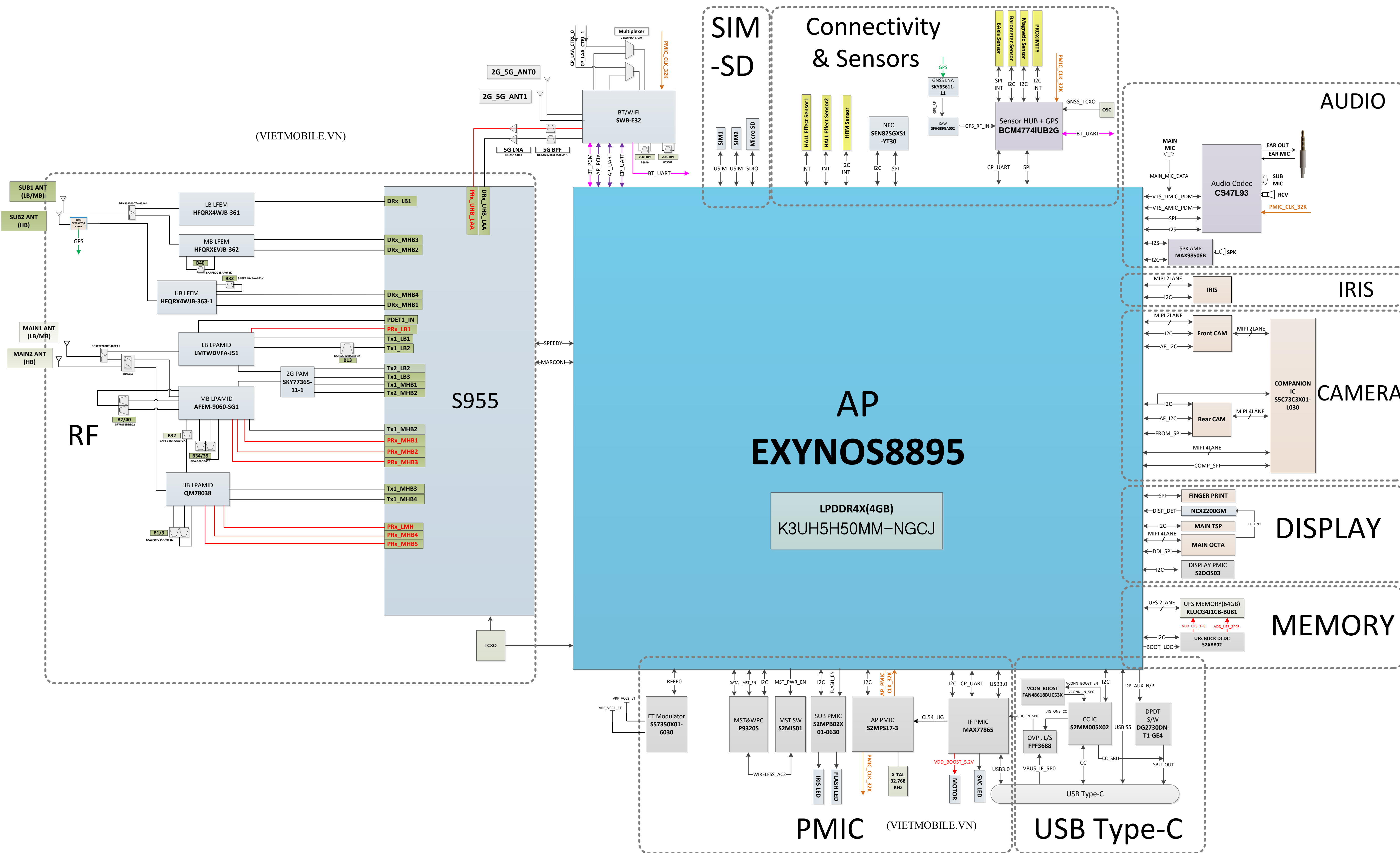
PBA (Bottom side)

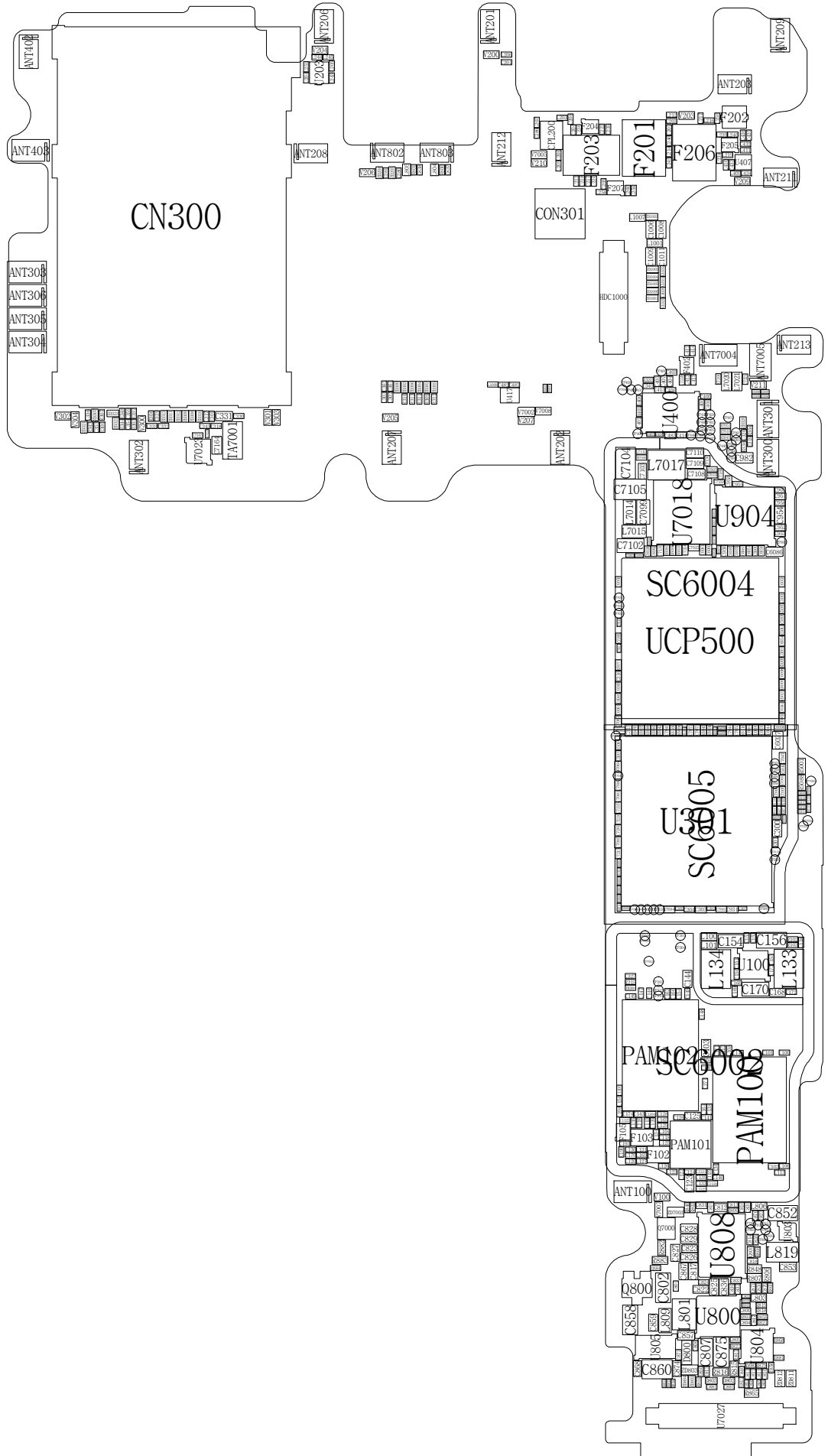
ANT200 Ant. Contact (for Sub Ant)
MIC800 SUB MIC
HEA1004 IRIS CAM Connector
HDC900 8M Front CAM Connector
U402 Barometer Sensor
LED900 Flash LED
U406 6 Axis Sensor (GYRO,ACCEL)
HDC7000 BATTERY Connector
U901 SUB PMIC
U7002 AP PMIC
U900 DISPLAY PMIC
U302 Transceiver
PAM103 HB LPAMID
HDC901 DISPLAY Connector
U806 DP Switch

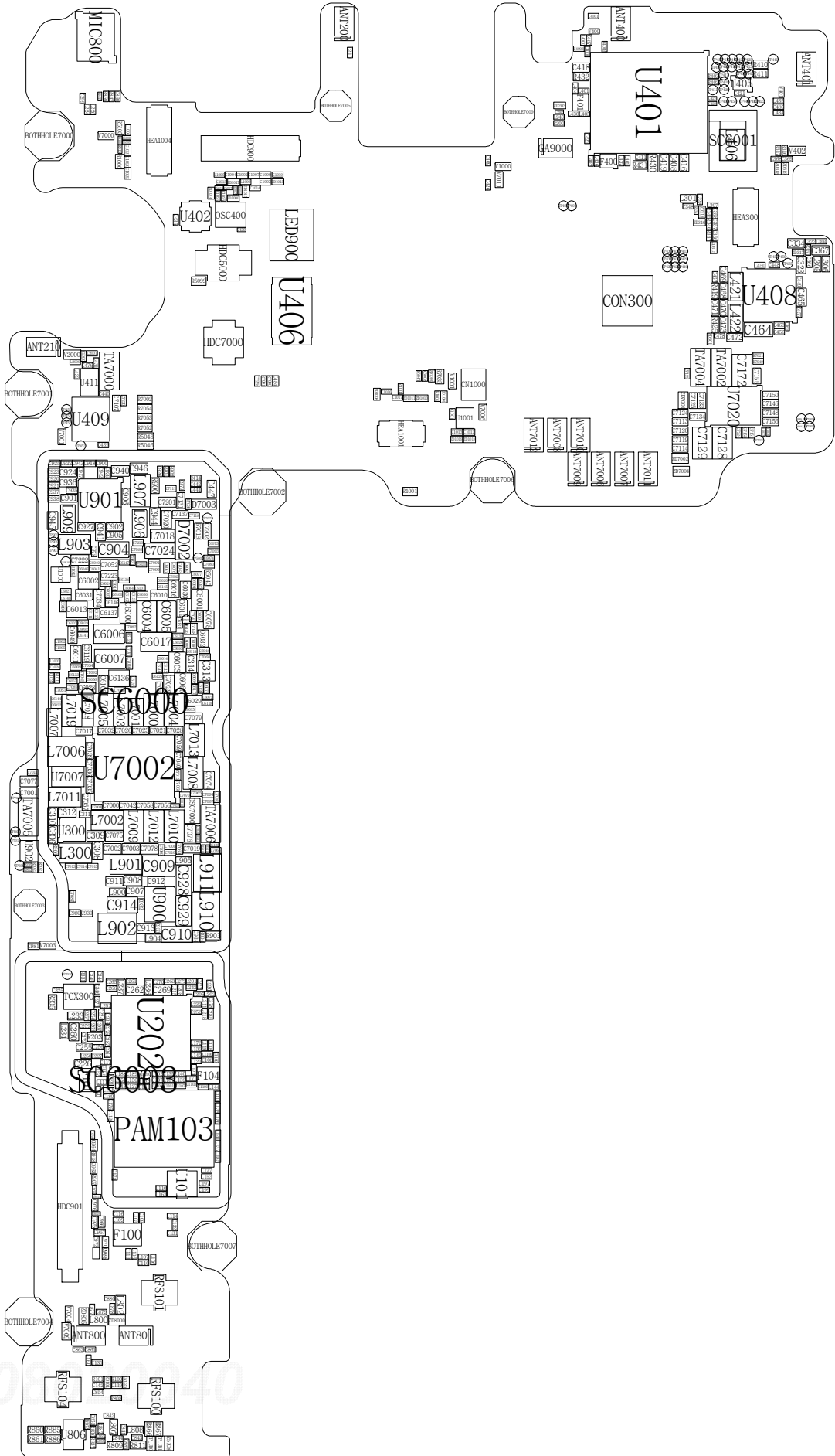


ANT400 Ant. Contact(for BT/Wifi Ant.1)
ANT401 Ant. Contact(for BT/Wifi Ant.2)
U401 BT/WIFI IC
HEA300 PROXY / IRIS LED connector
U408 NFC IC
U7020 WPC IC
ANT7006/7007/7008/7009/ 7010/7011/7012 NFC/WPC/MST Ant. Contact
HEA1001 BTP ?

U406
Heart Rate Sensor
U7003
PMIC







SC6000

SC6000

05-2020

8. Level 3 Repair

8-3. Flow chart of Troubleshooting.

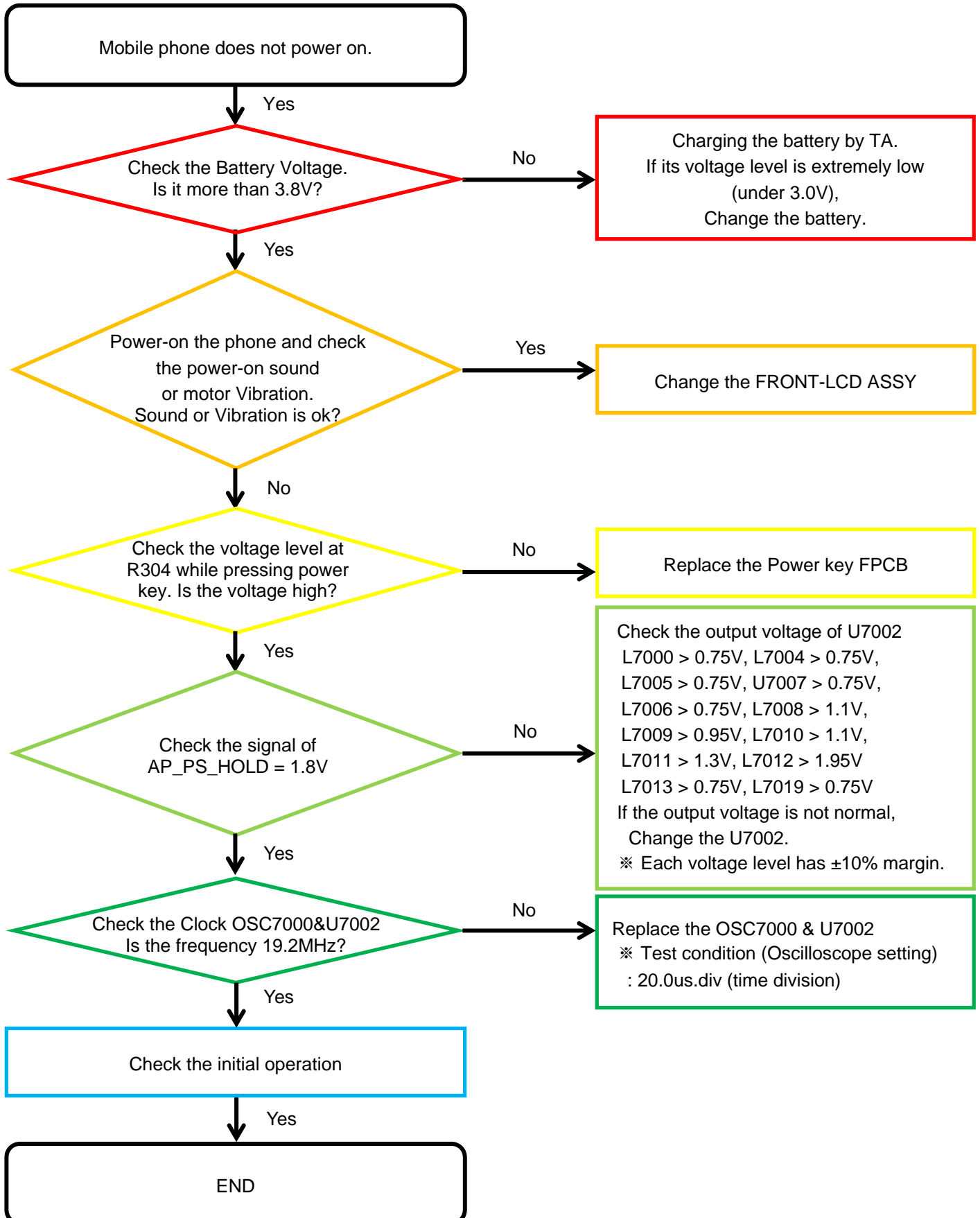
	
<p>Oscilloscope</p>	<p>Digital Multimeter</p>
	
<p>Power Supply</p>	<p>+ driver, ESD Safe Tweezer</p>
	
<p>8960 & Spectrum Analyzer</p>	<p>Soldering iron</p>

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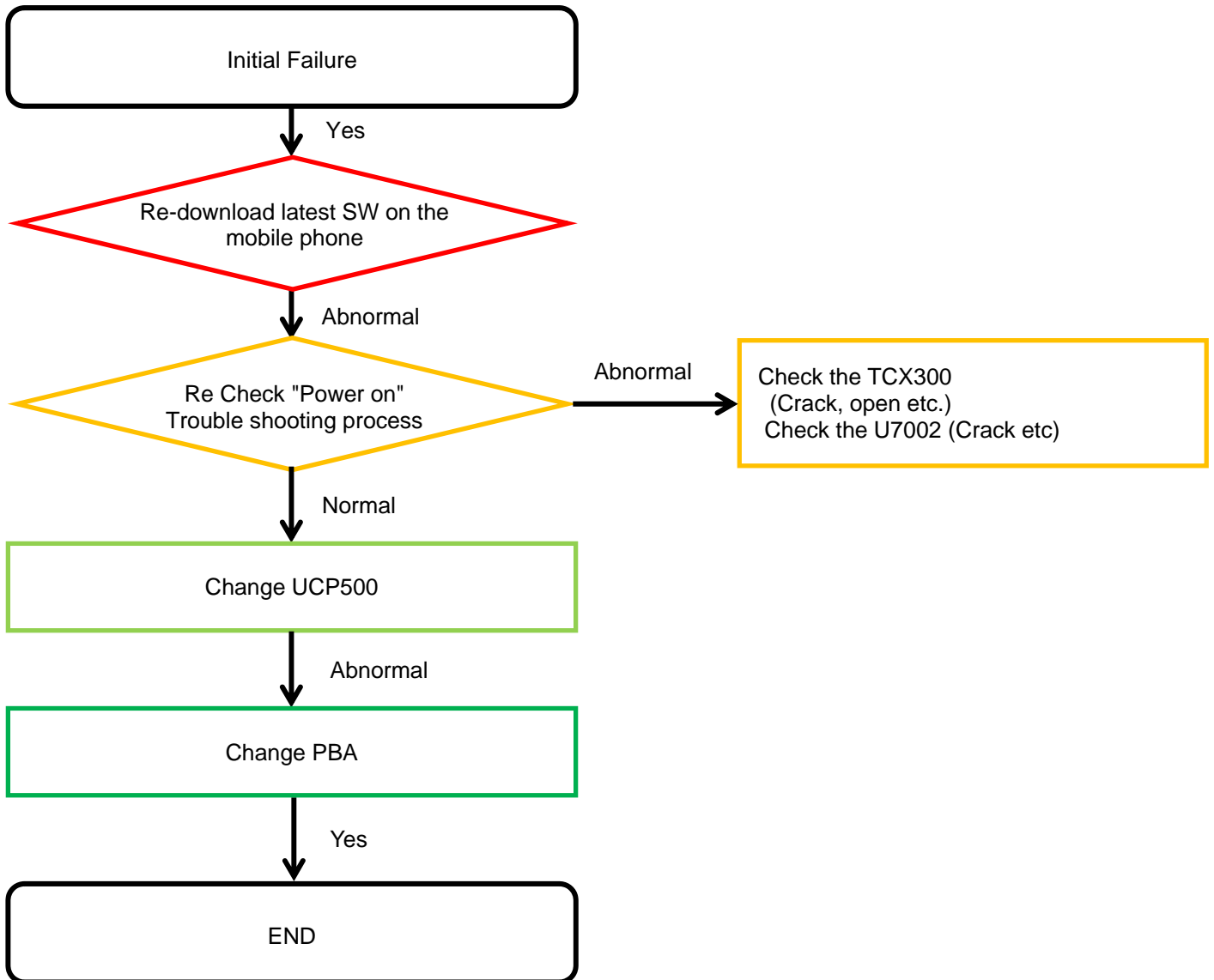
8. Level 3 Repair

8-4-1. Power On



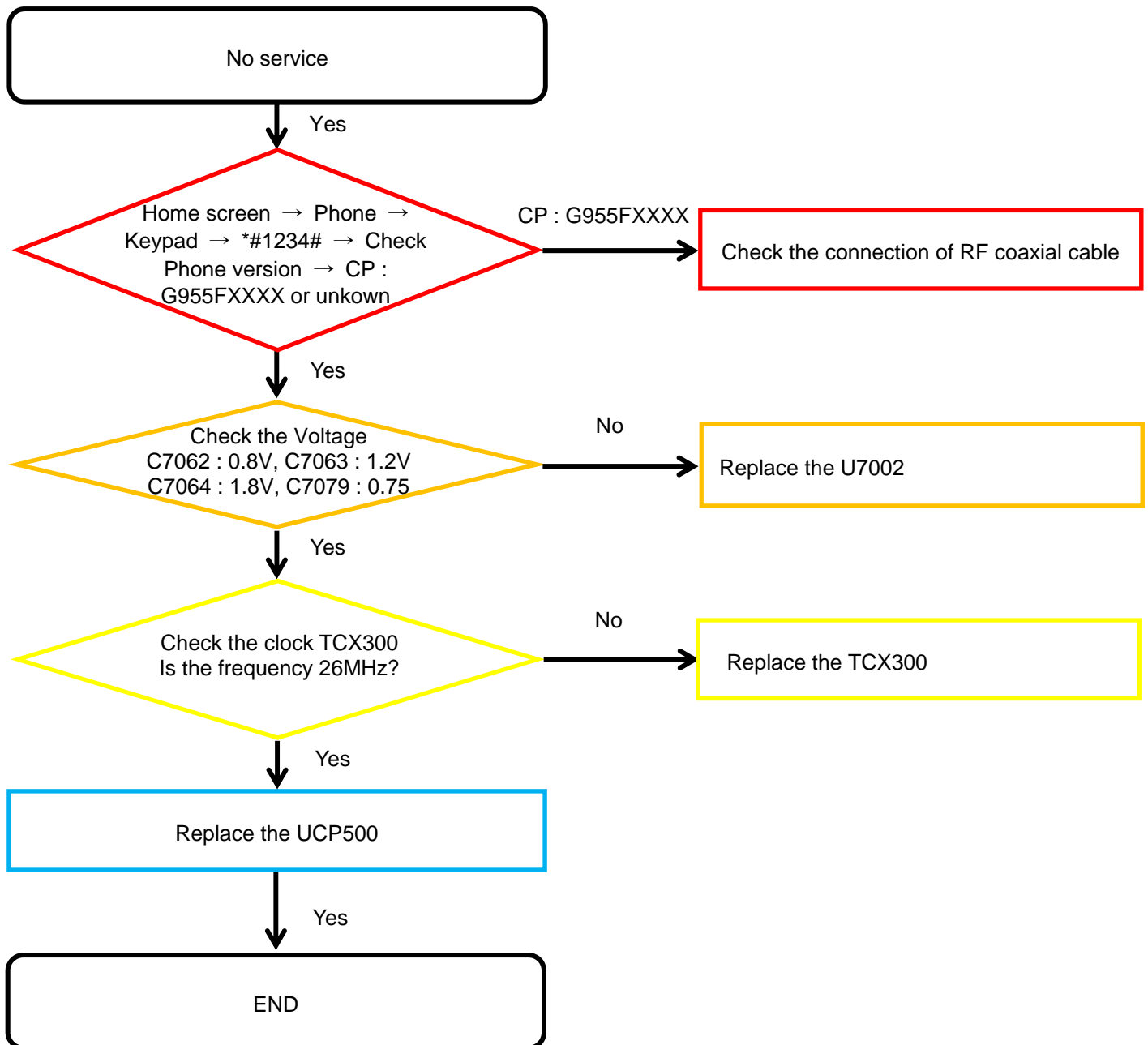
8. Level 3 Repair

8-4-2. Initial



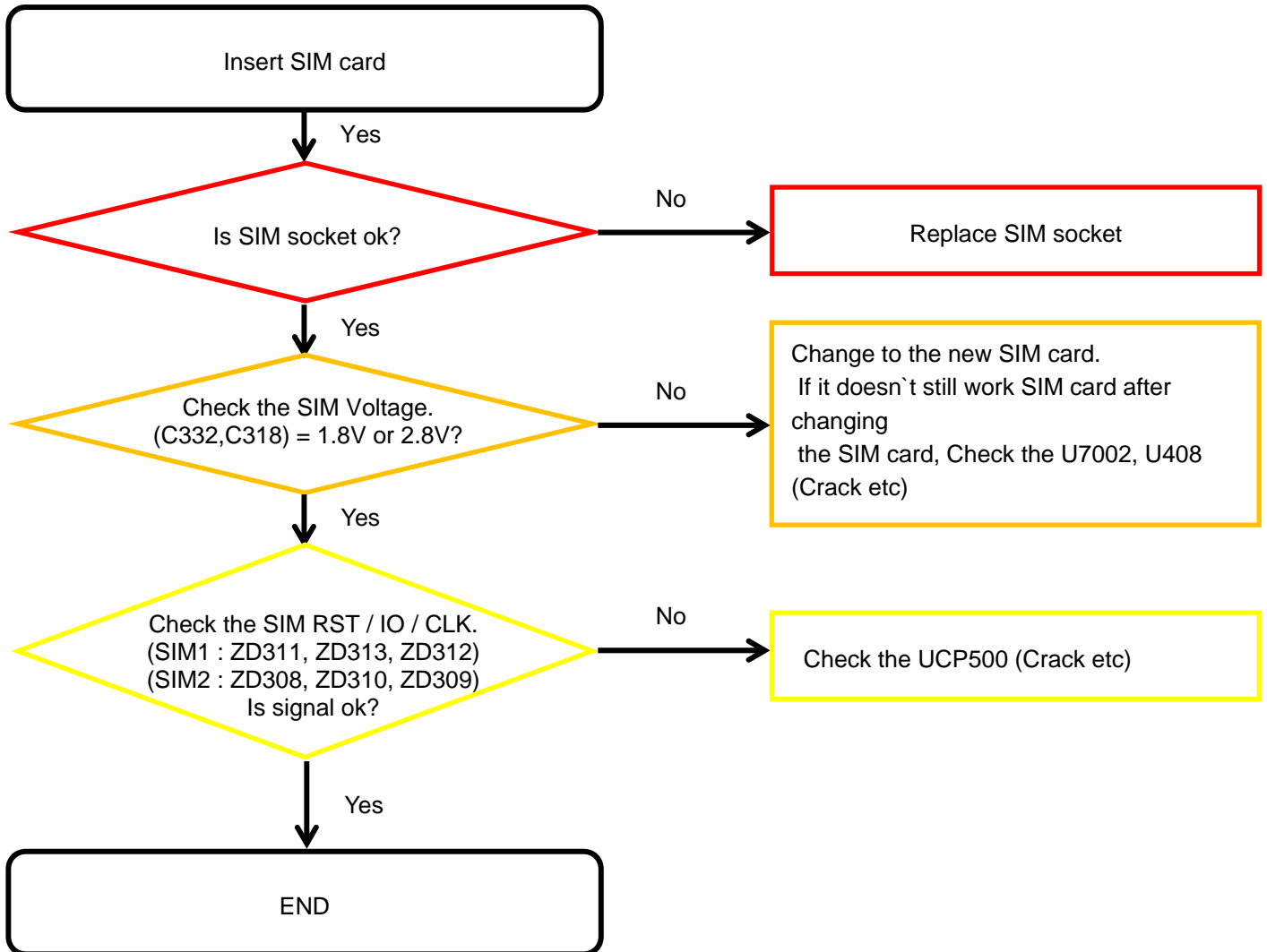
8. Level 3 Repair

8-4-3-1. No Service



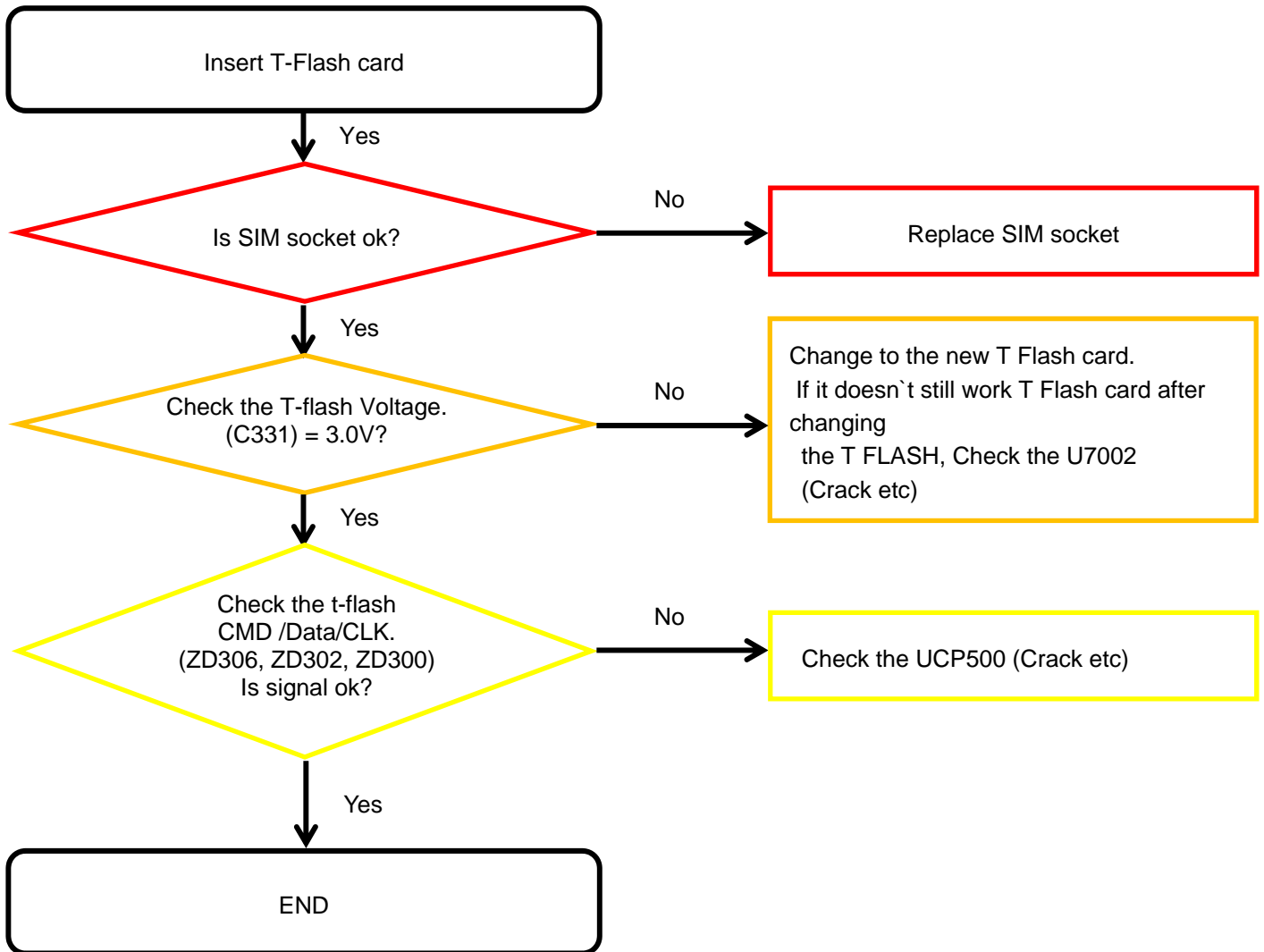
8. Level 3 Repair

8-4-3-2. SIM Part



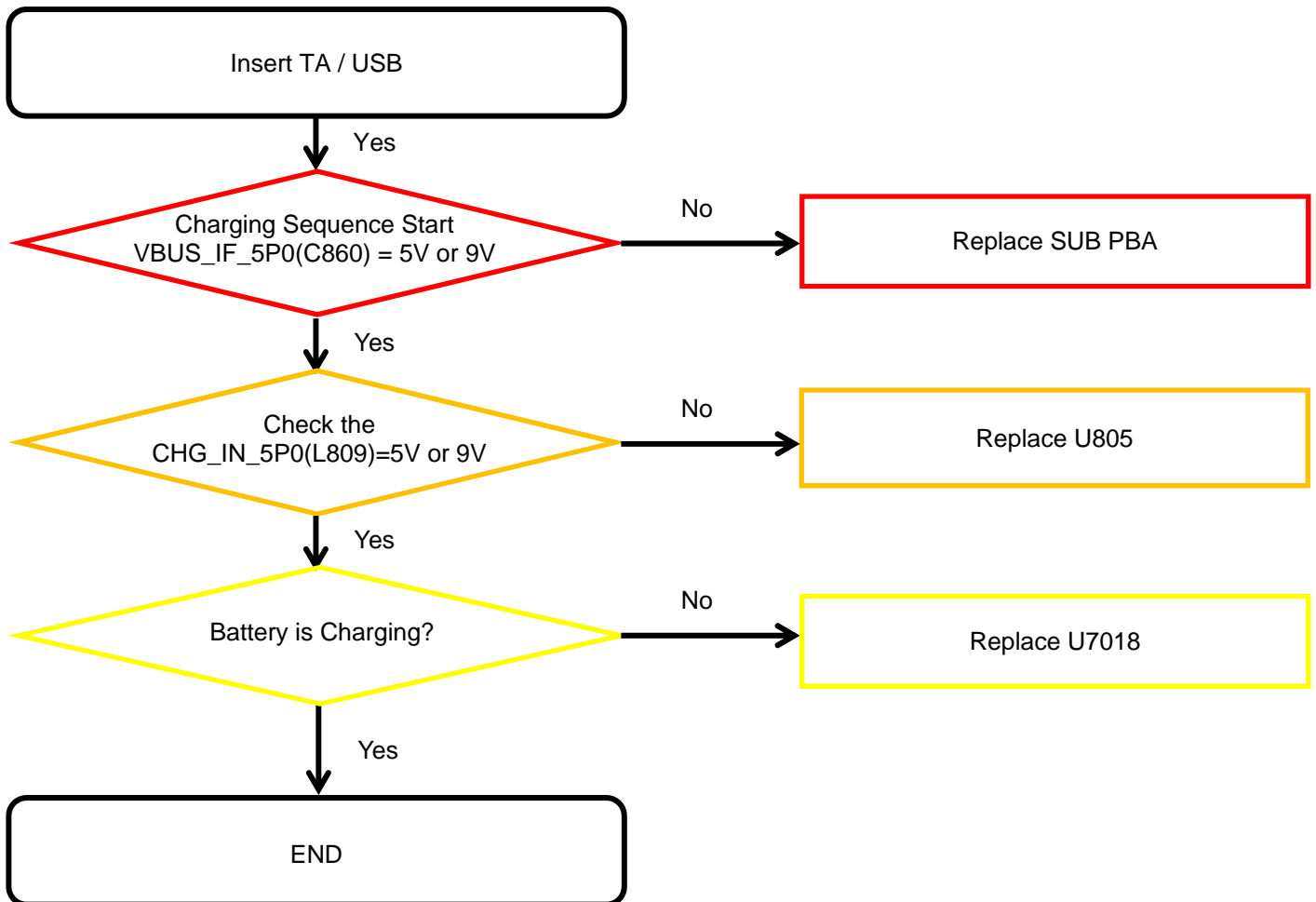
8. Level 3 Repair

8-4-4. T-Flash Part



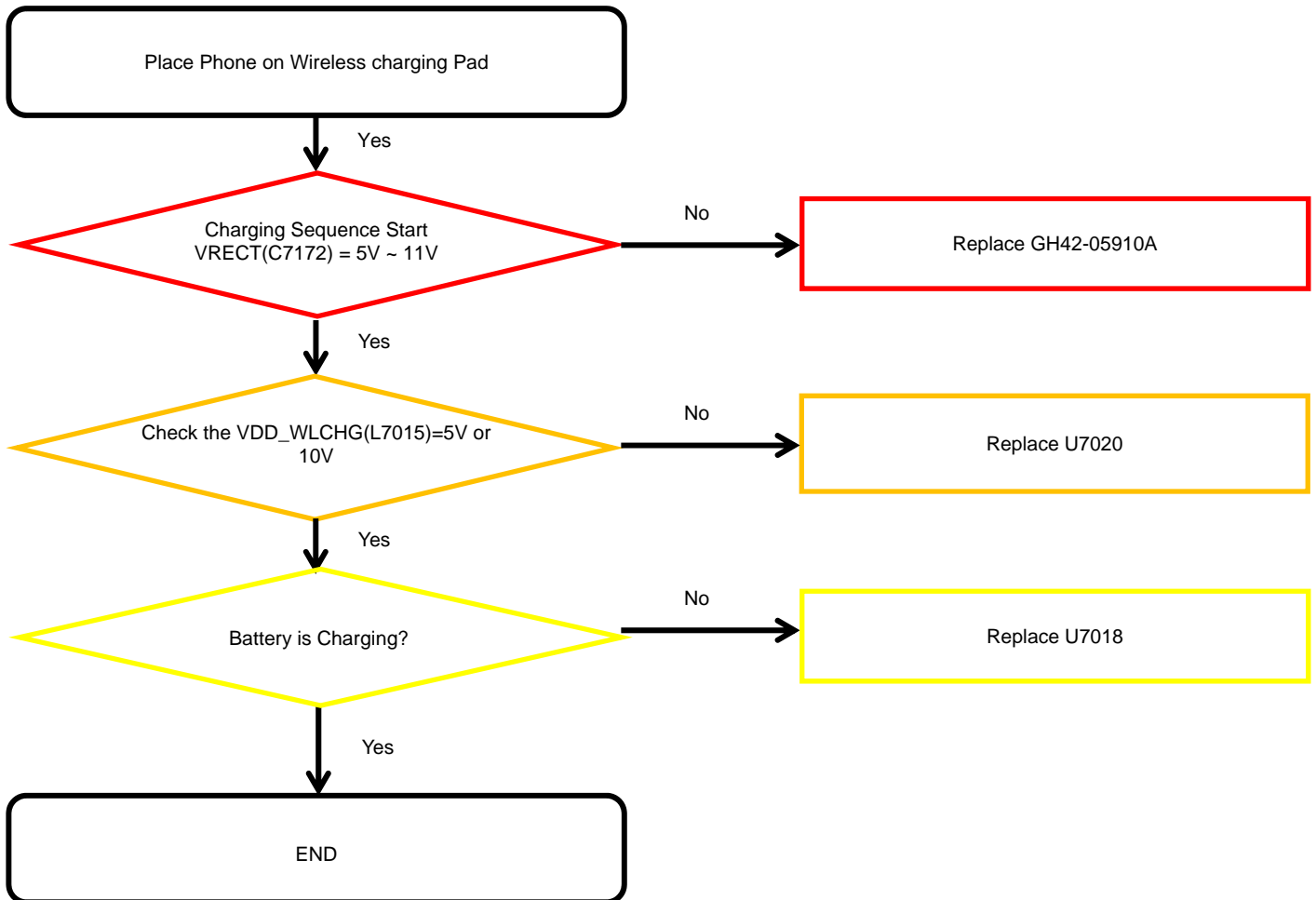
8. Level 3 Repair

8-4-5-1. Cable Charging Part



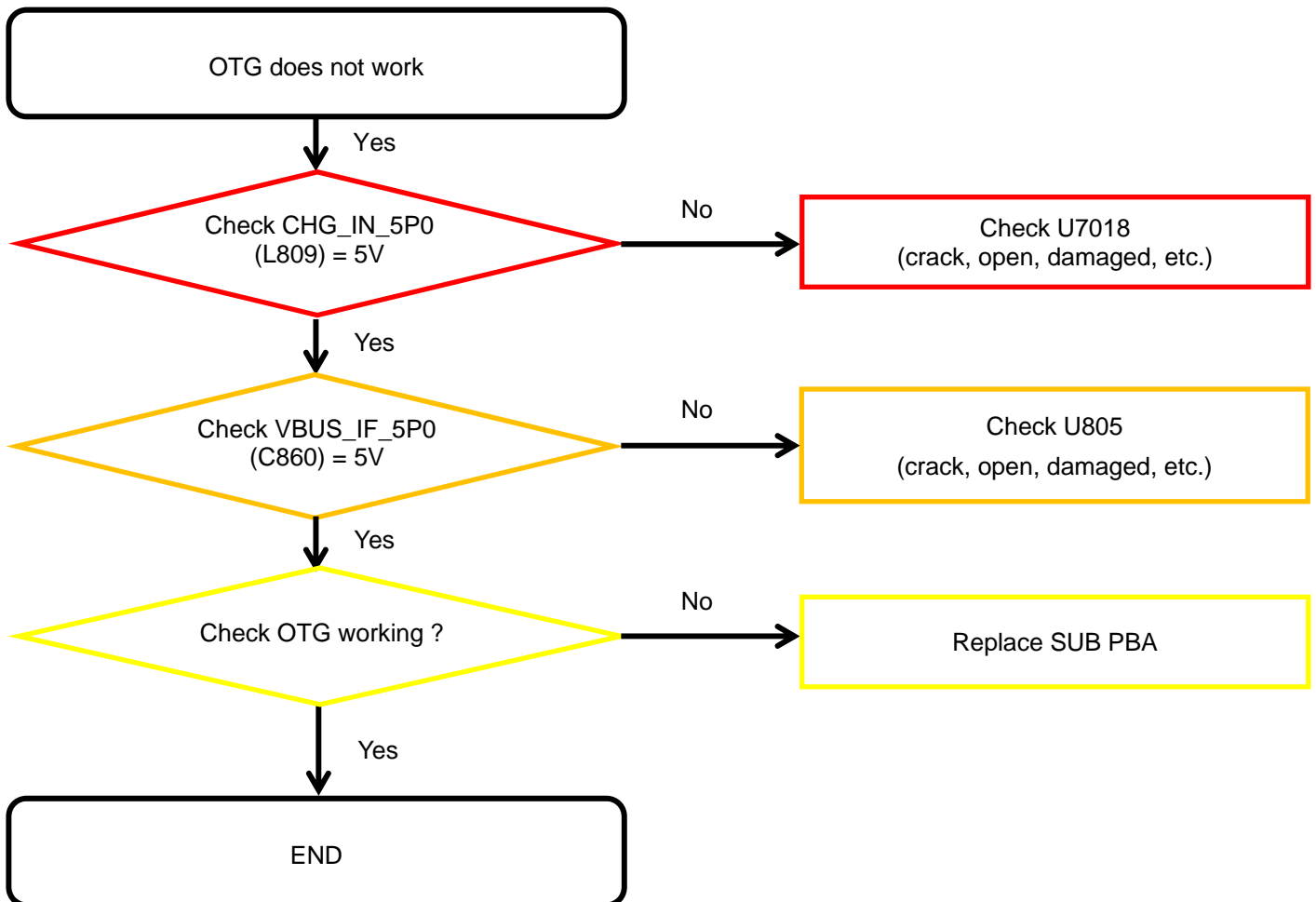
8. Level 3 Repair

8-4-5-2. Wireless Charging Part (Normal/Fast)



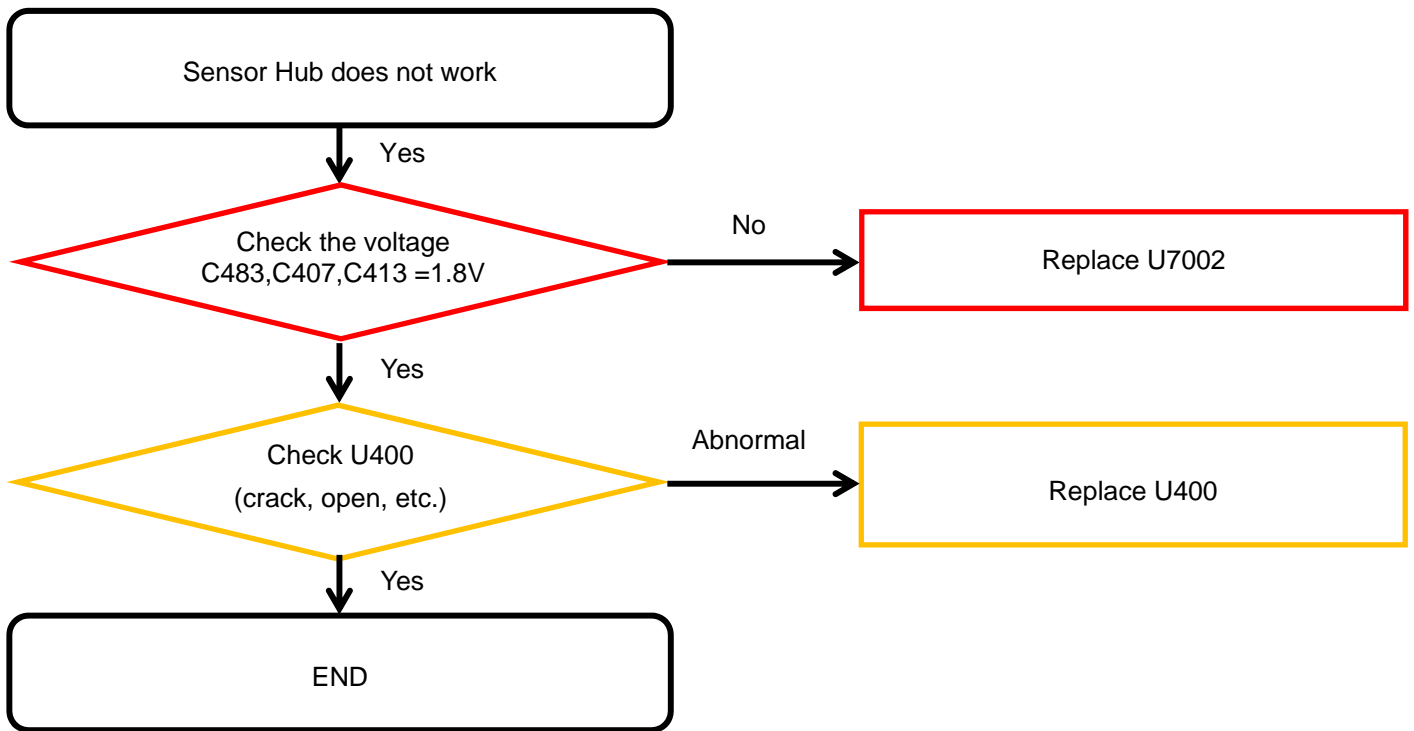
8. Level 3 Repair

8-4-6. OTG



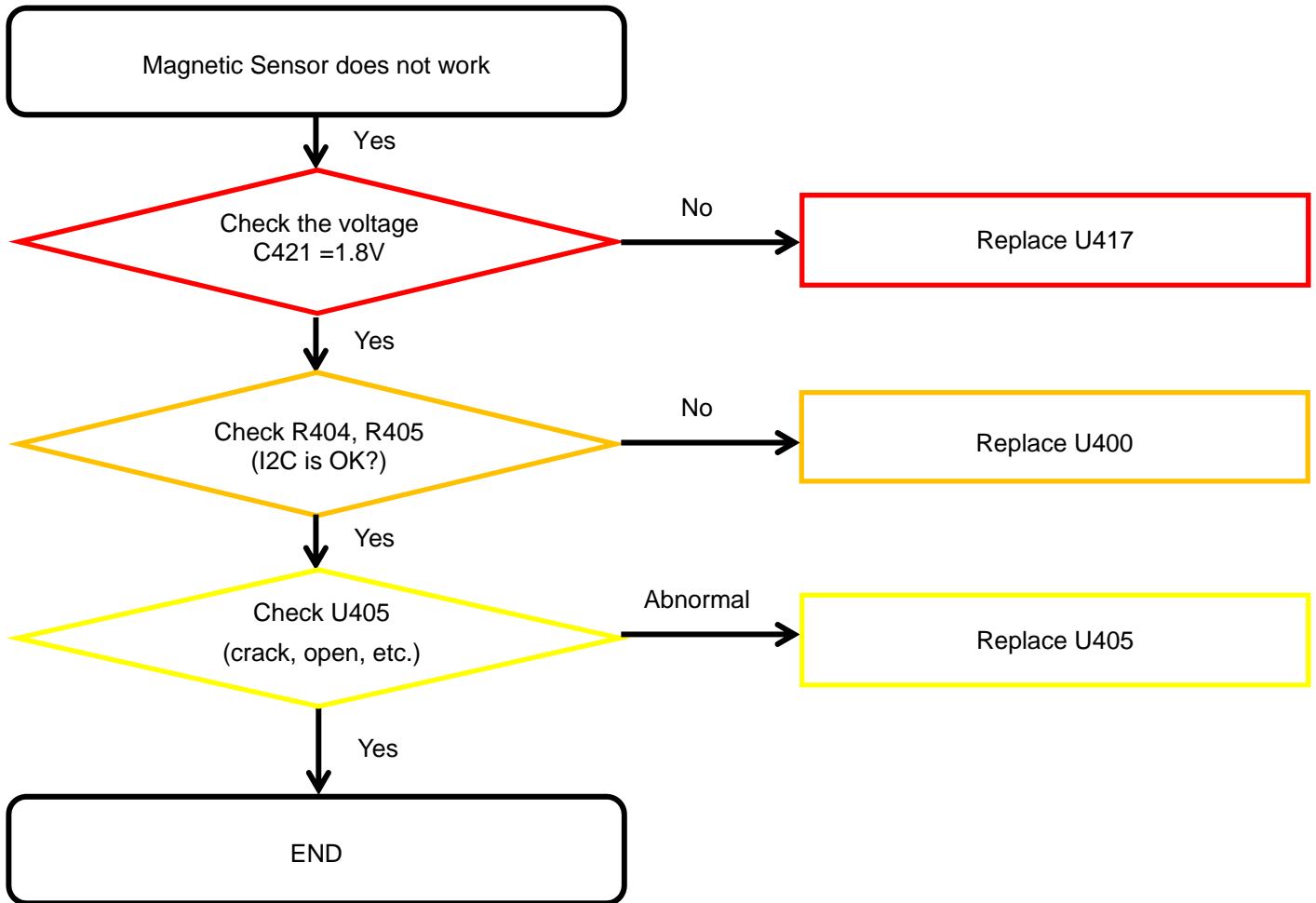
8. Level 3 Repair

8-4-7-1. Sensor Hub



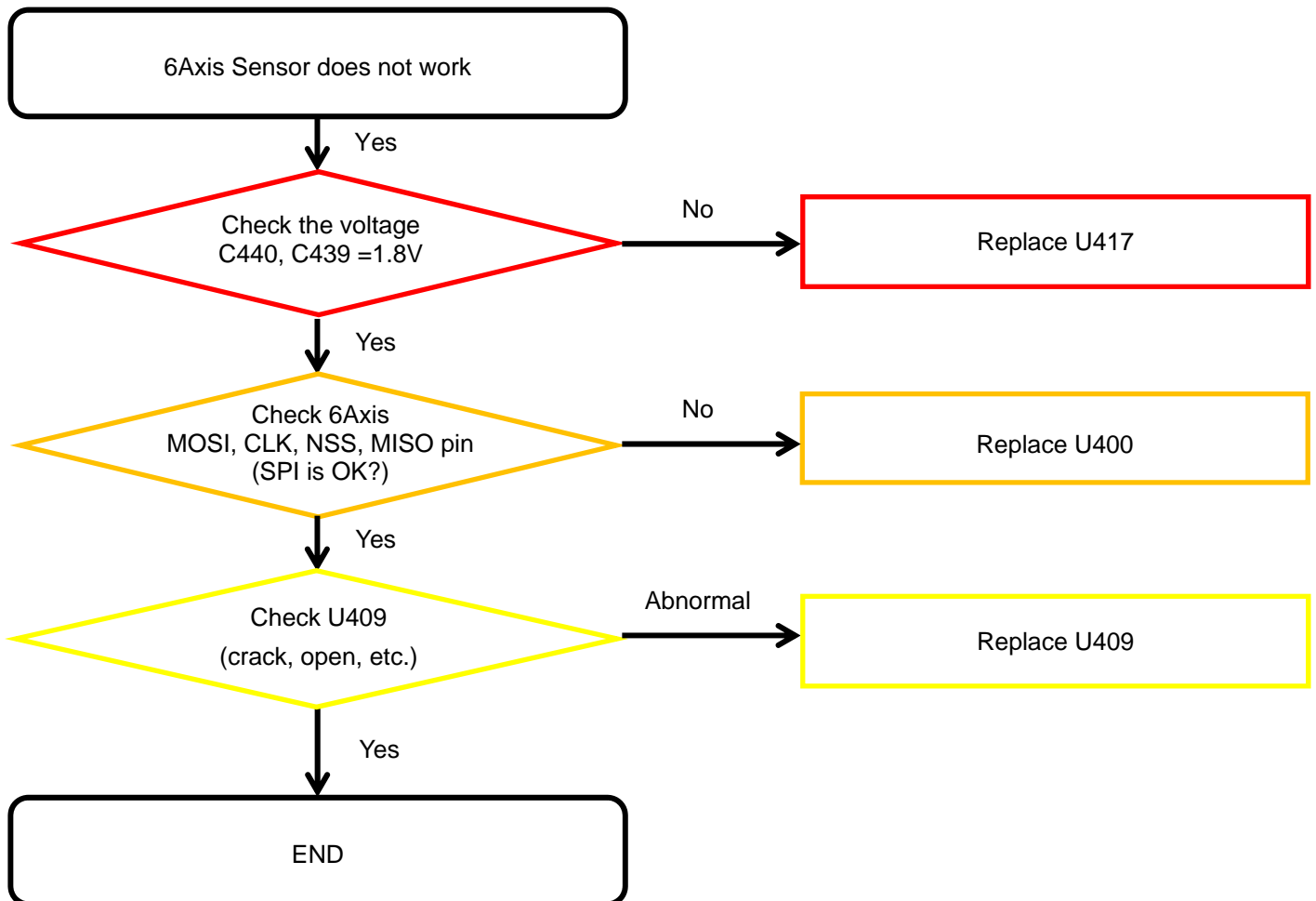
8. Level 3 Repair

8-4-7-2. Magnetic Sensor



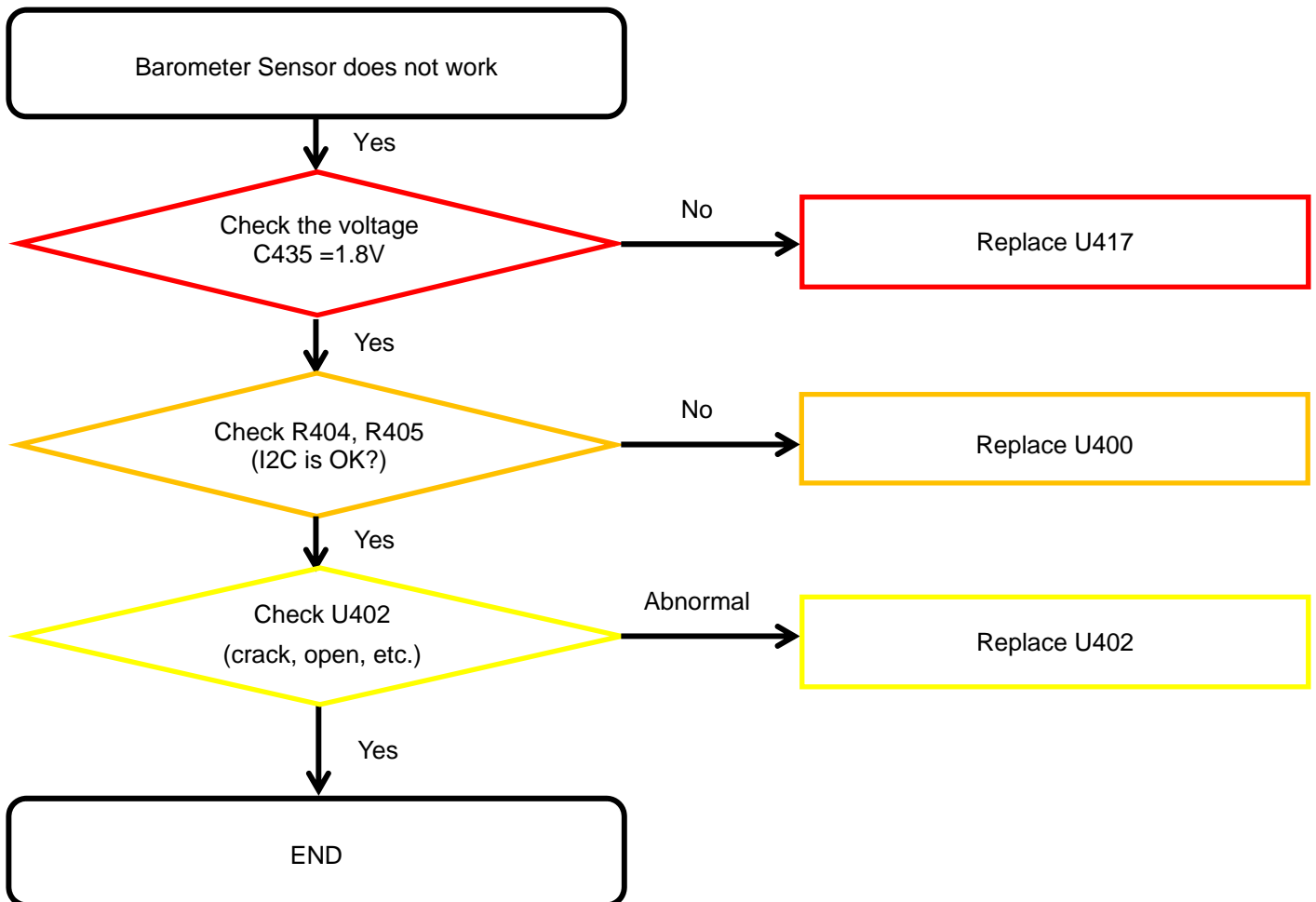
8. Level 3 Repair

8-4-7-3. 6Axis Sensor



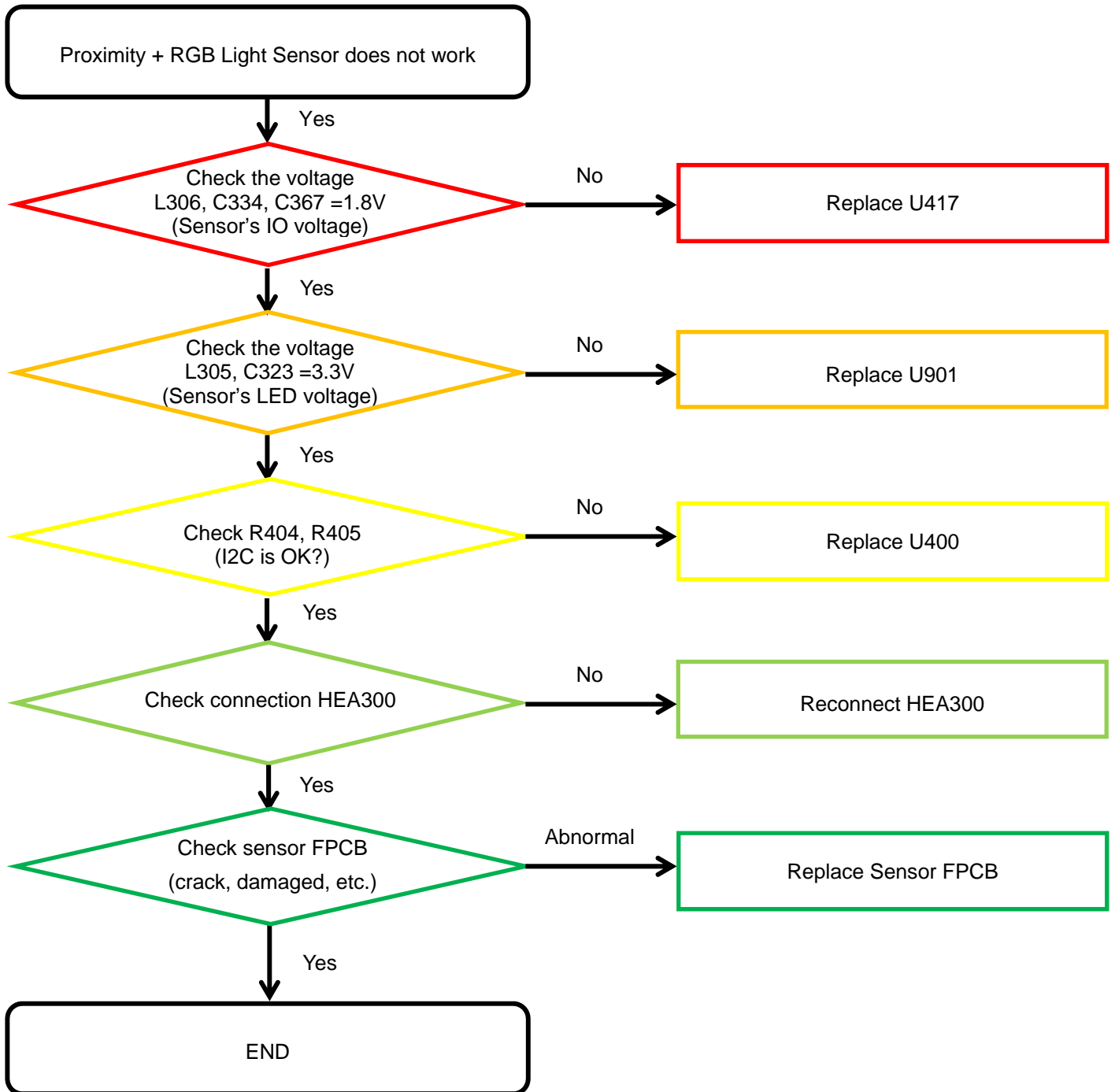
8. Level 3 Repair

8-4-7-4. Barometer sensor



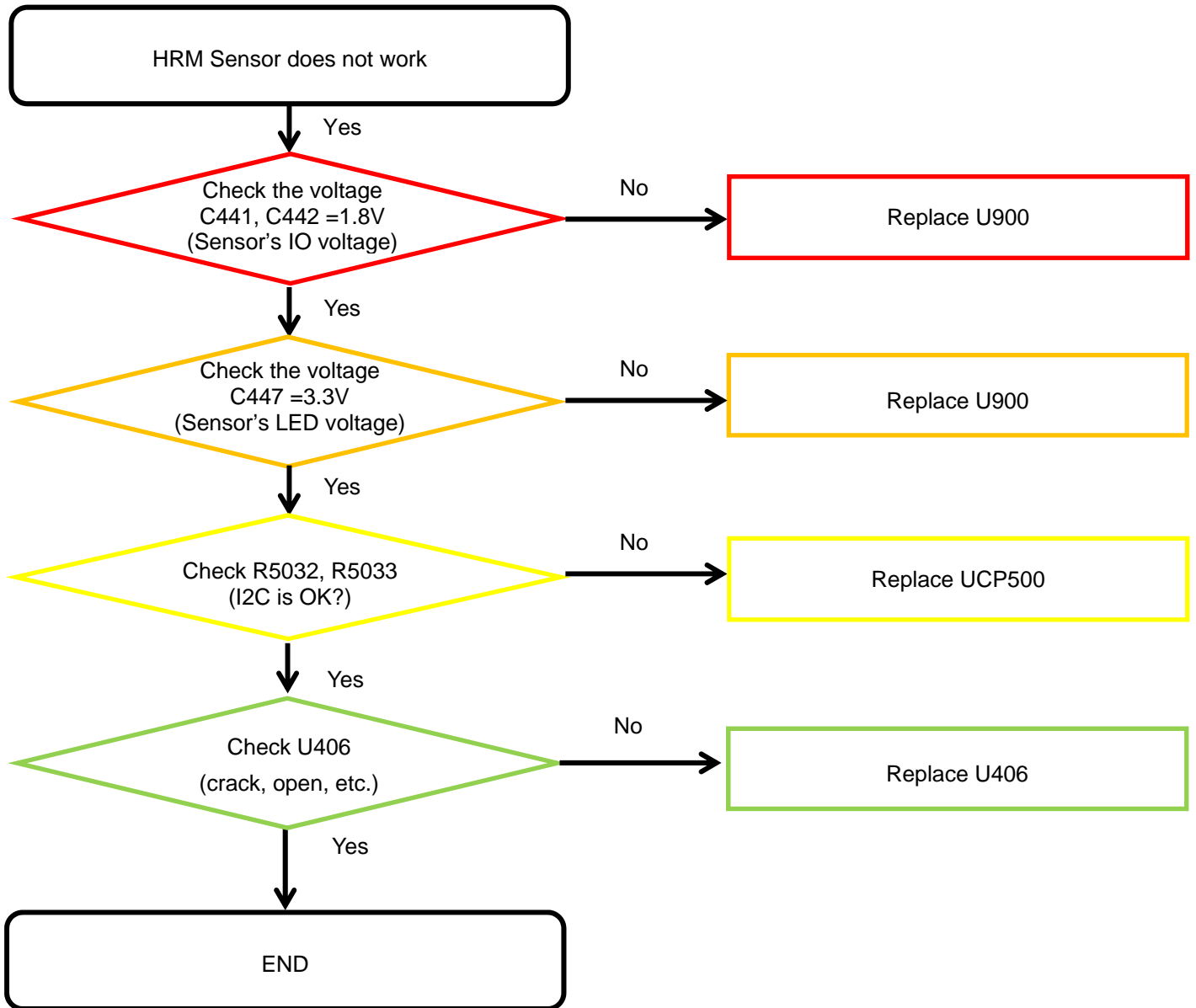
8. Level 3 Repair

8-4-7-5. Proximity + RGB Light sensor



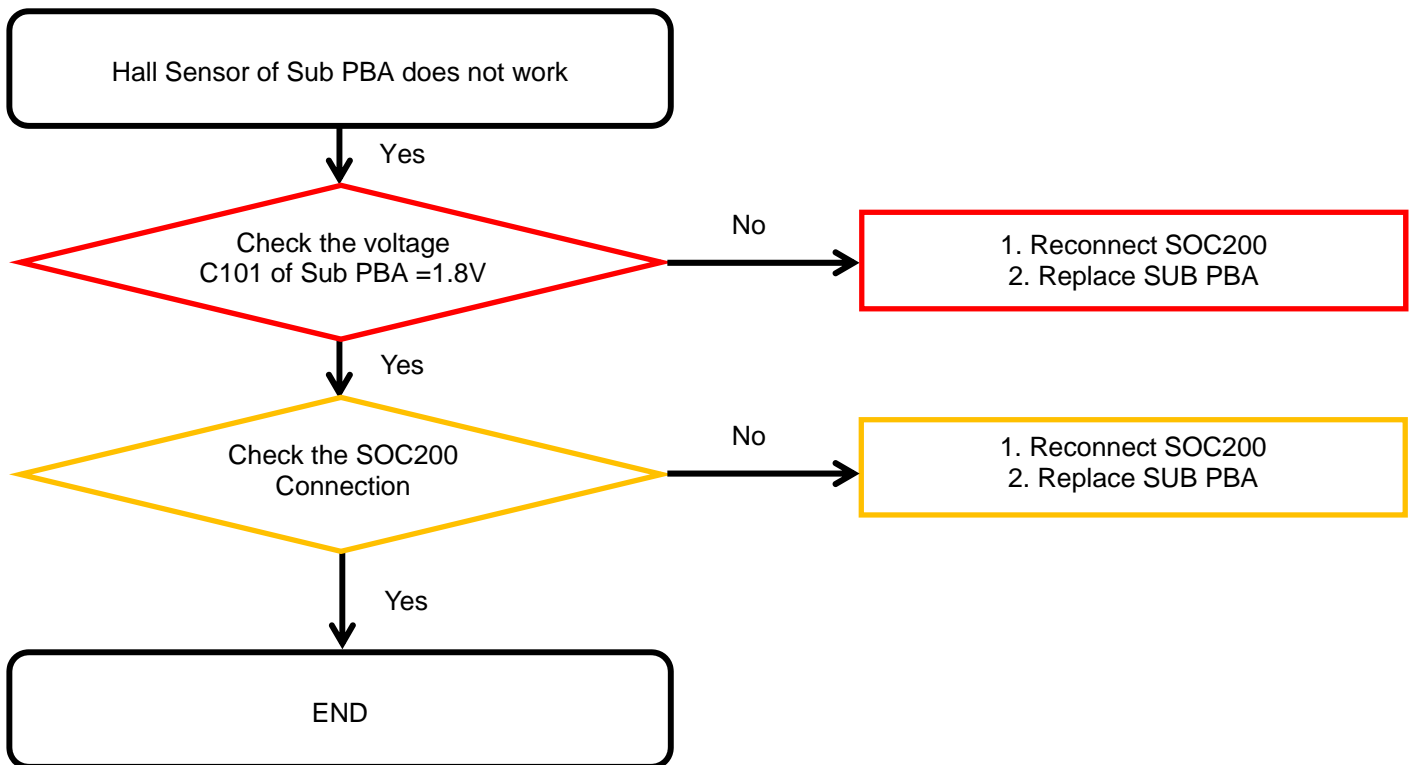
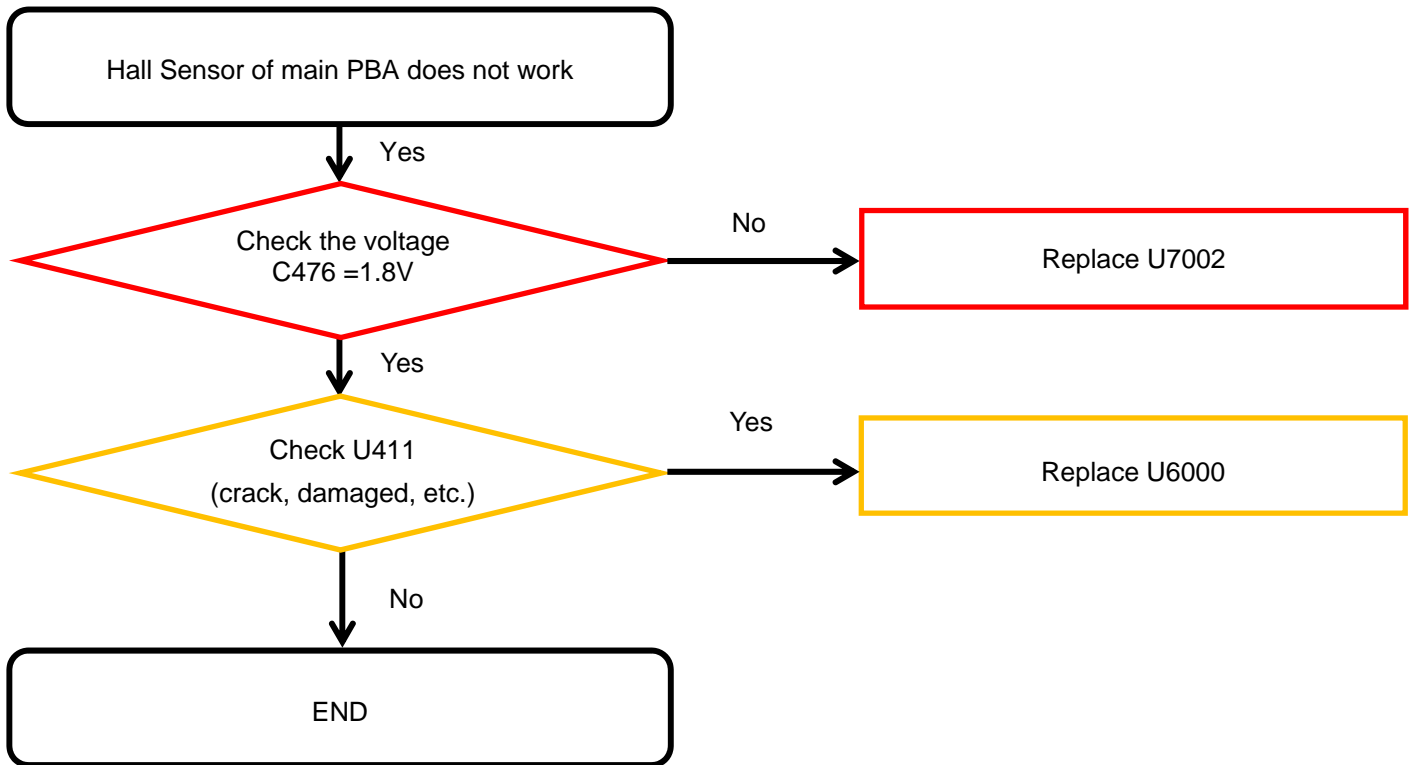
8. Level 3 Repair

8-4-7-6. HRM Sensor



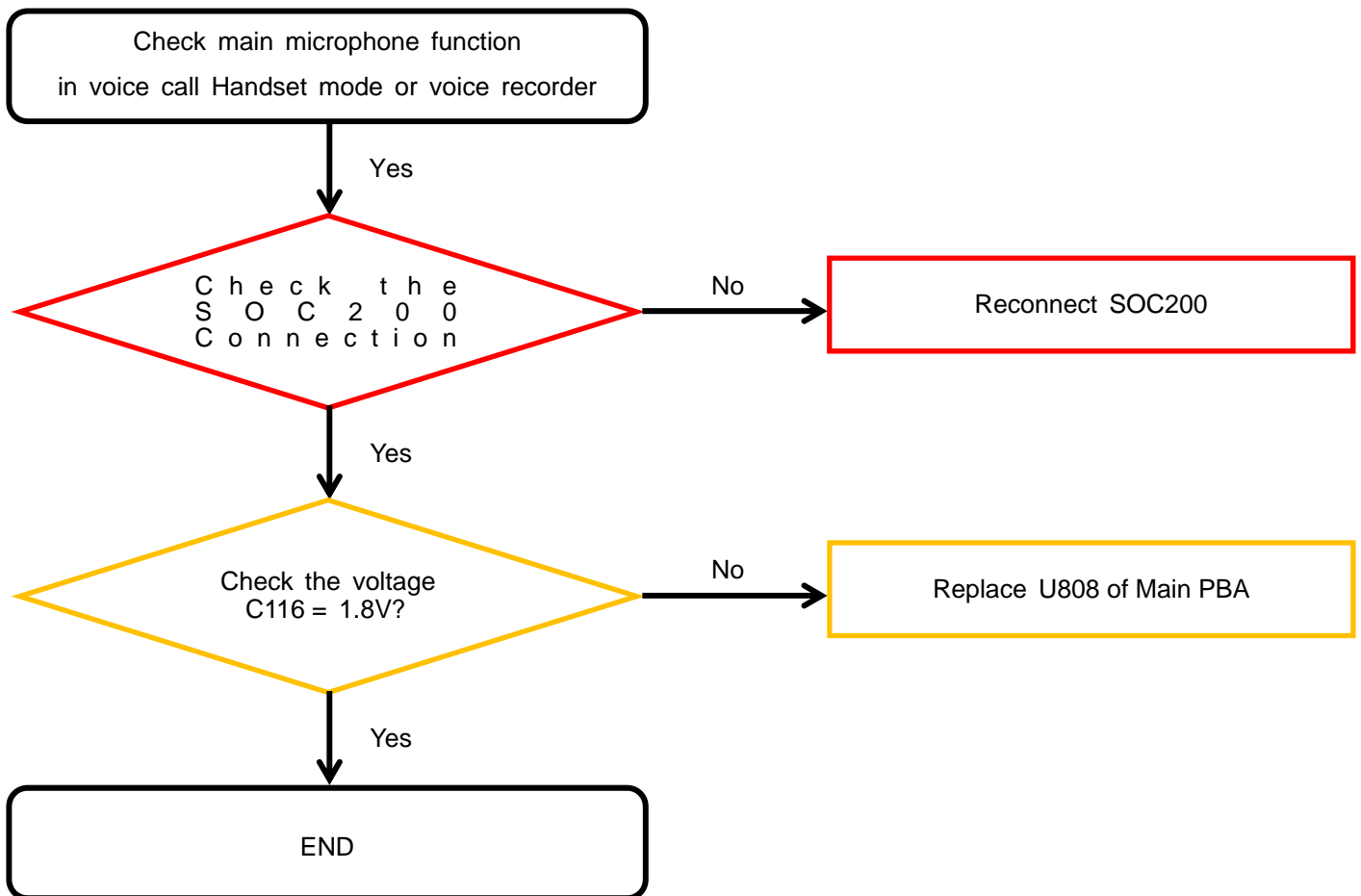
8. Level 3 Repair

8-4-7-7. Hall Sensor



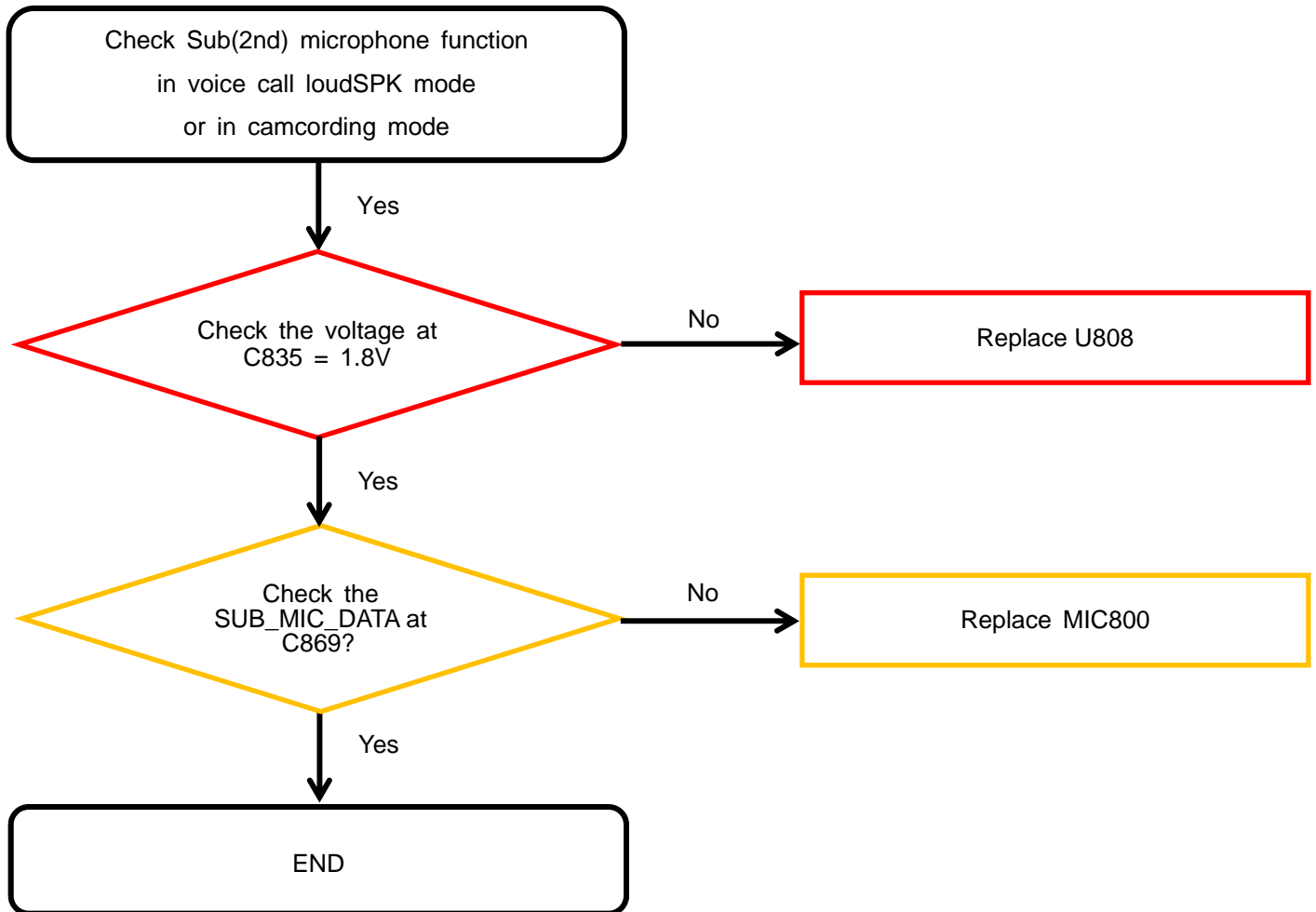
8. Level 3 Repair

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



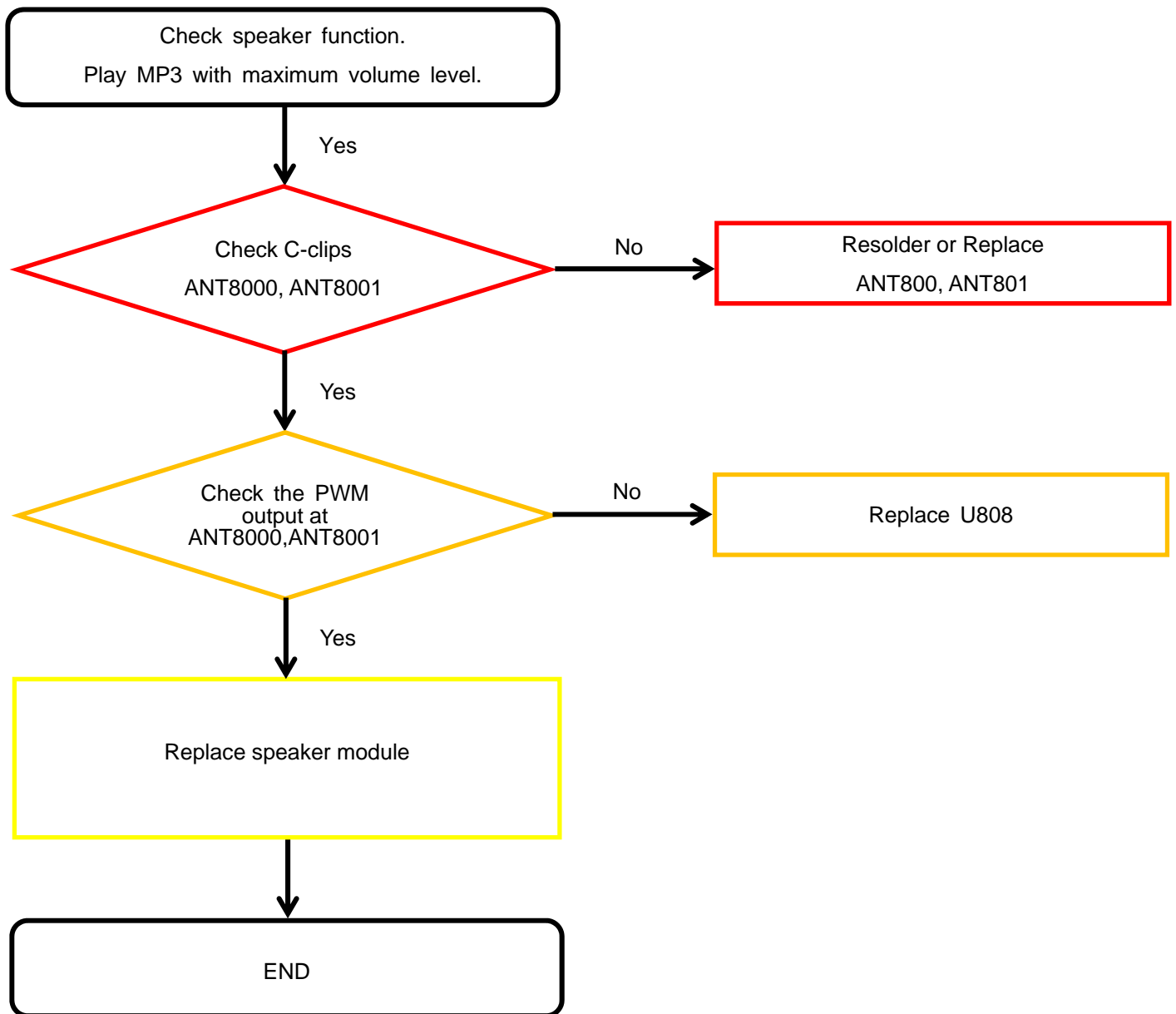
8. Level 3 Repair

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



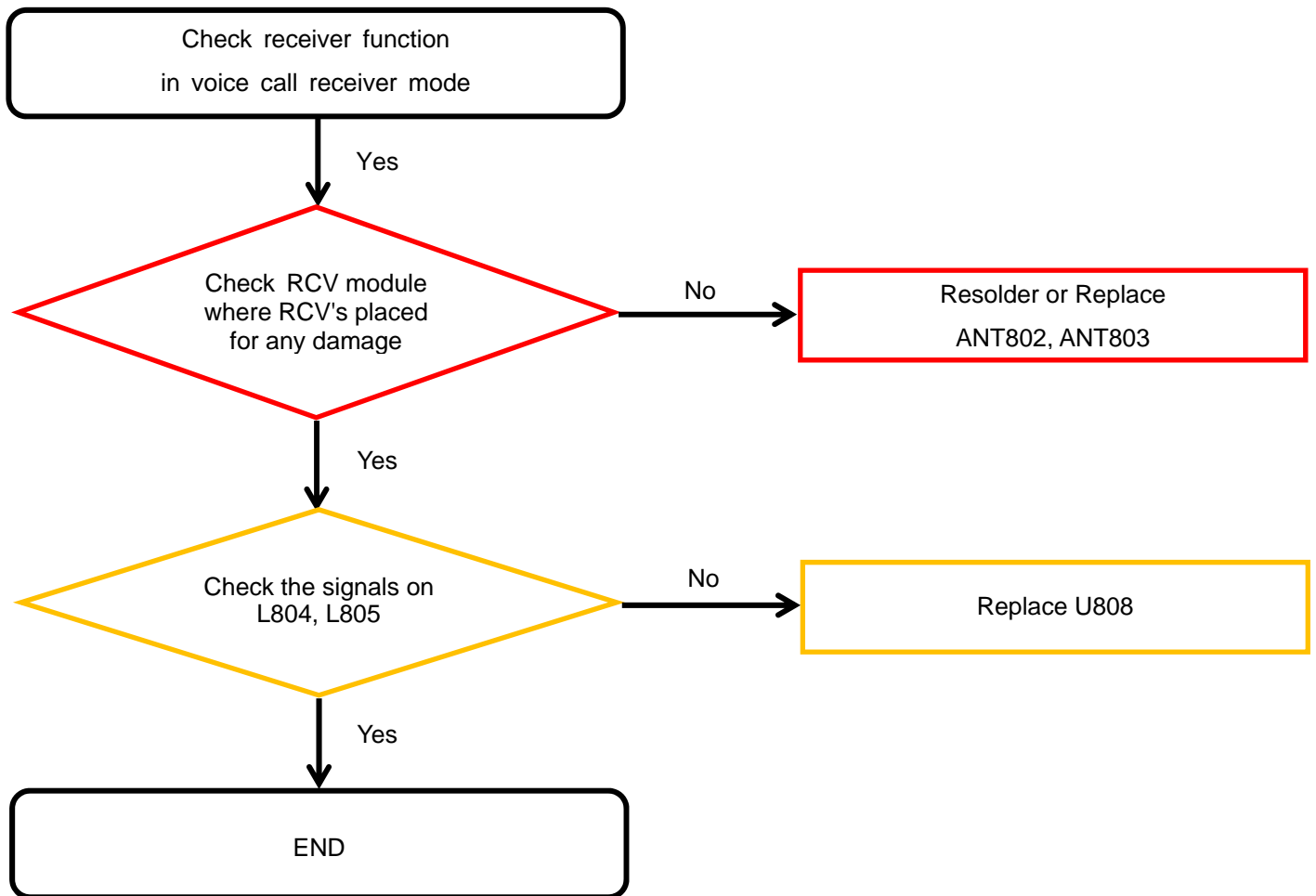
8. Level 3 Repair

8-4-9. Speaker Part



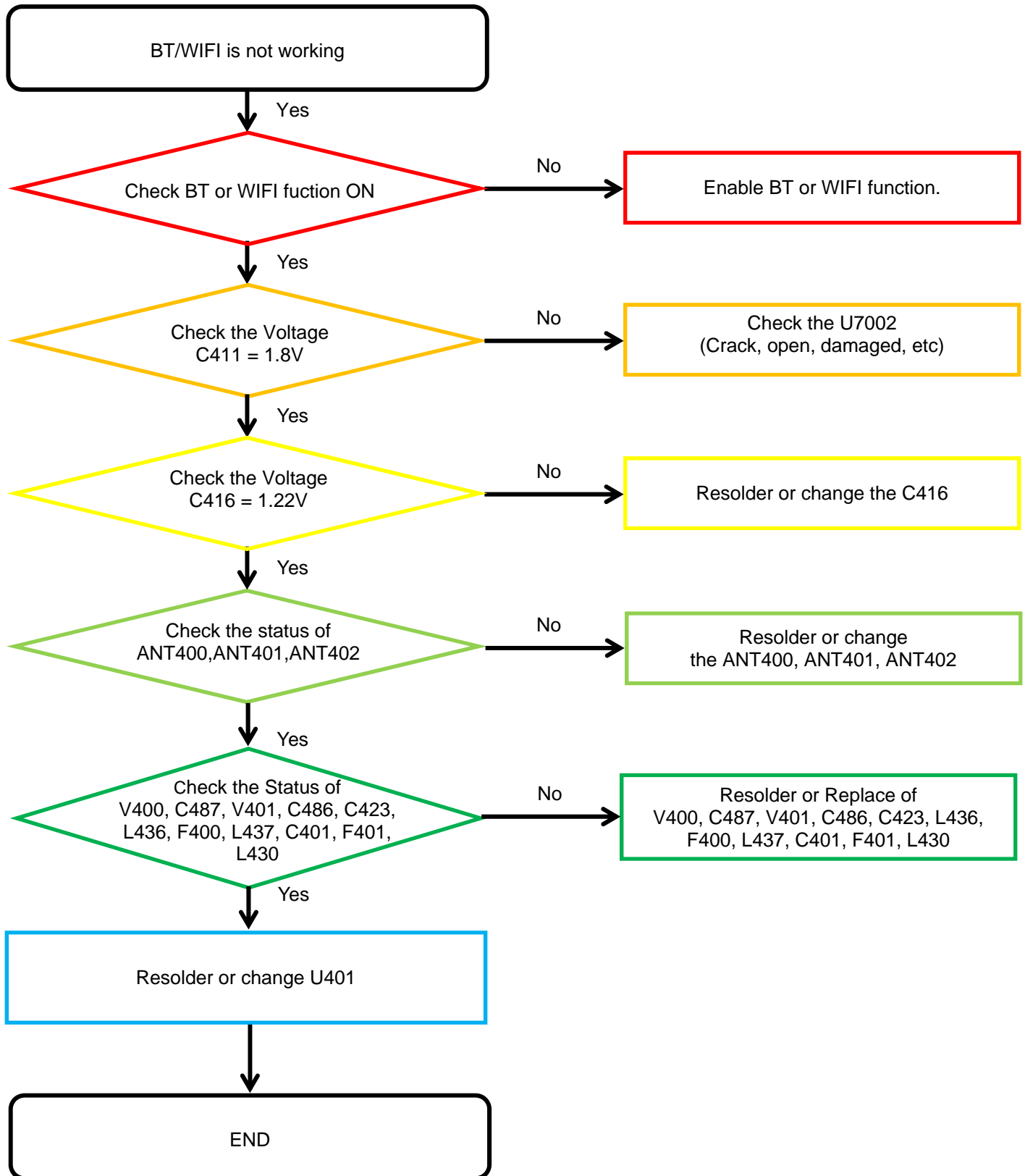
8. Level 3 Repair

8-4-10. Receiver Part



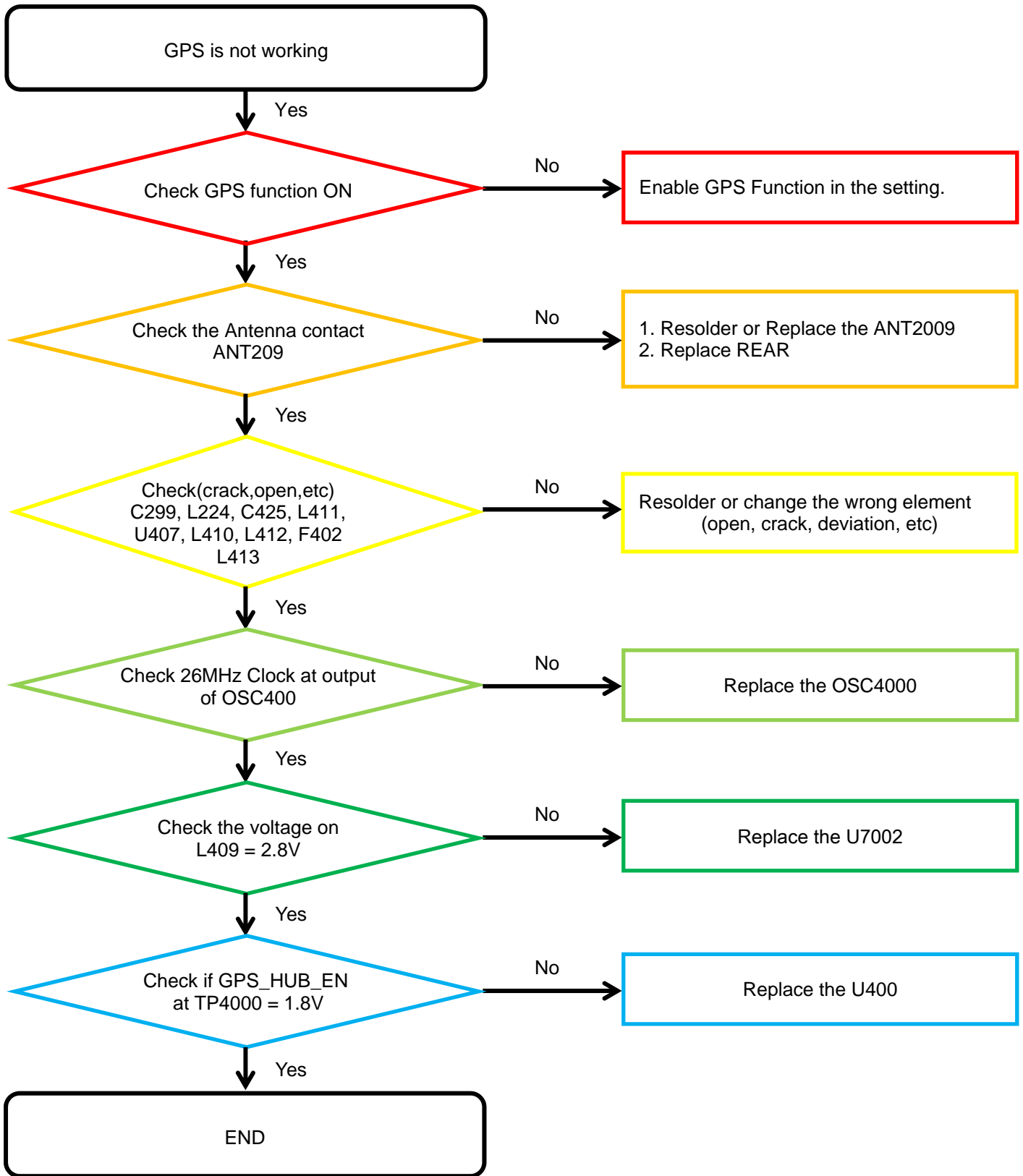
8. Level 3 Repair

8-4-11. BT/WIFI



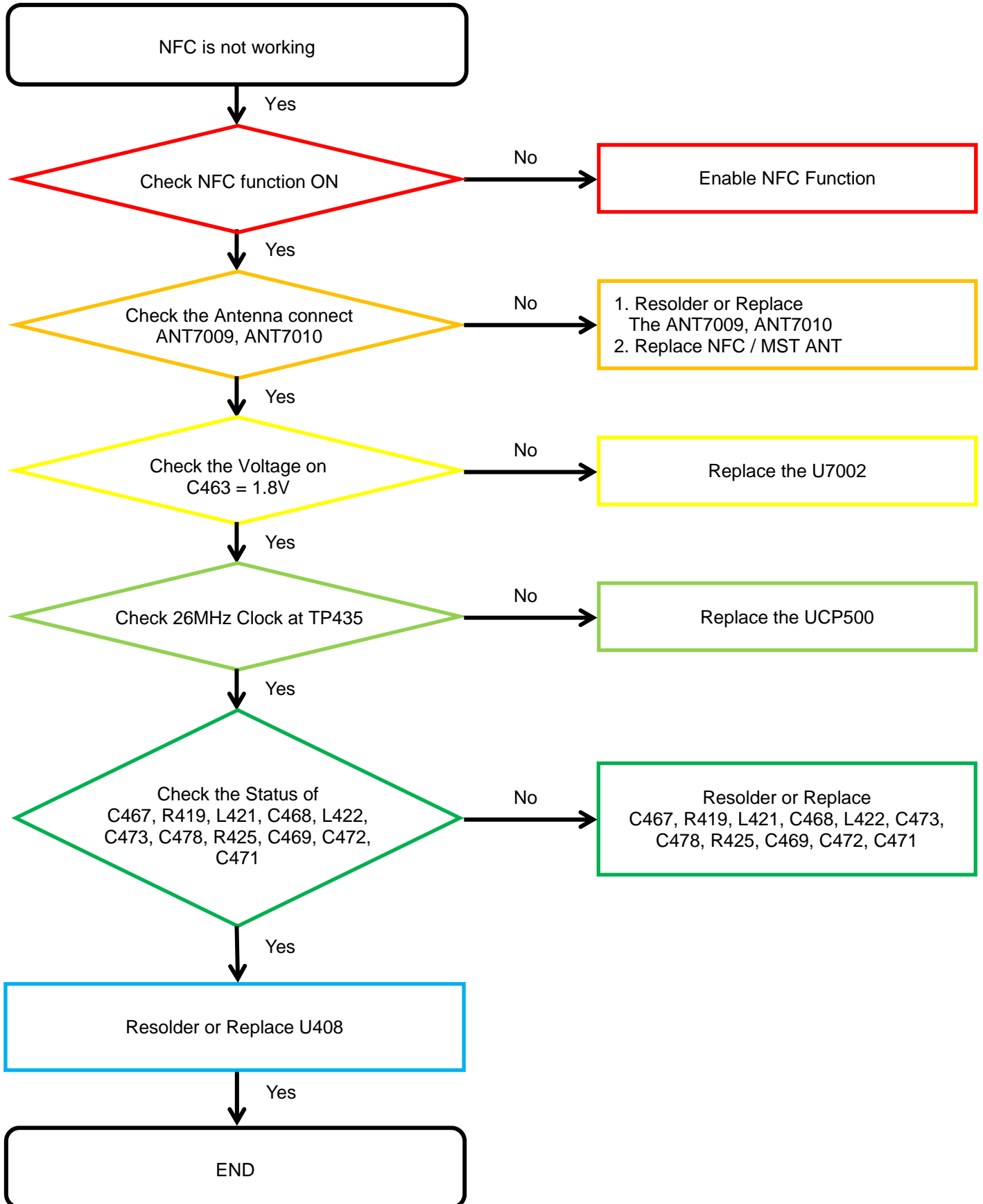
8. Level 3 Repair

8-4-12. GPS



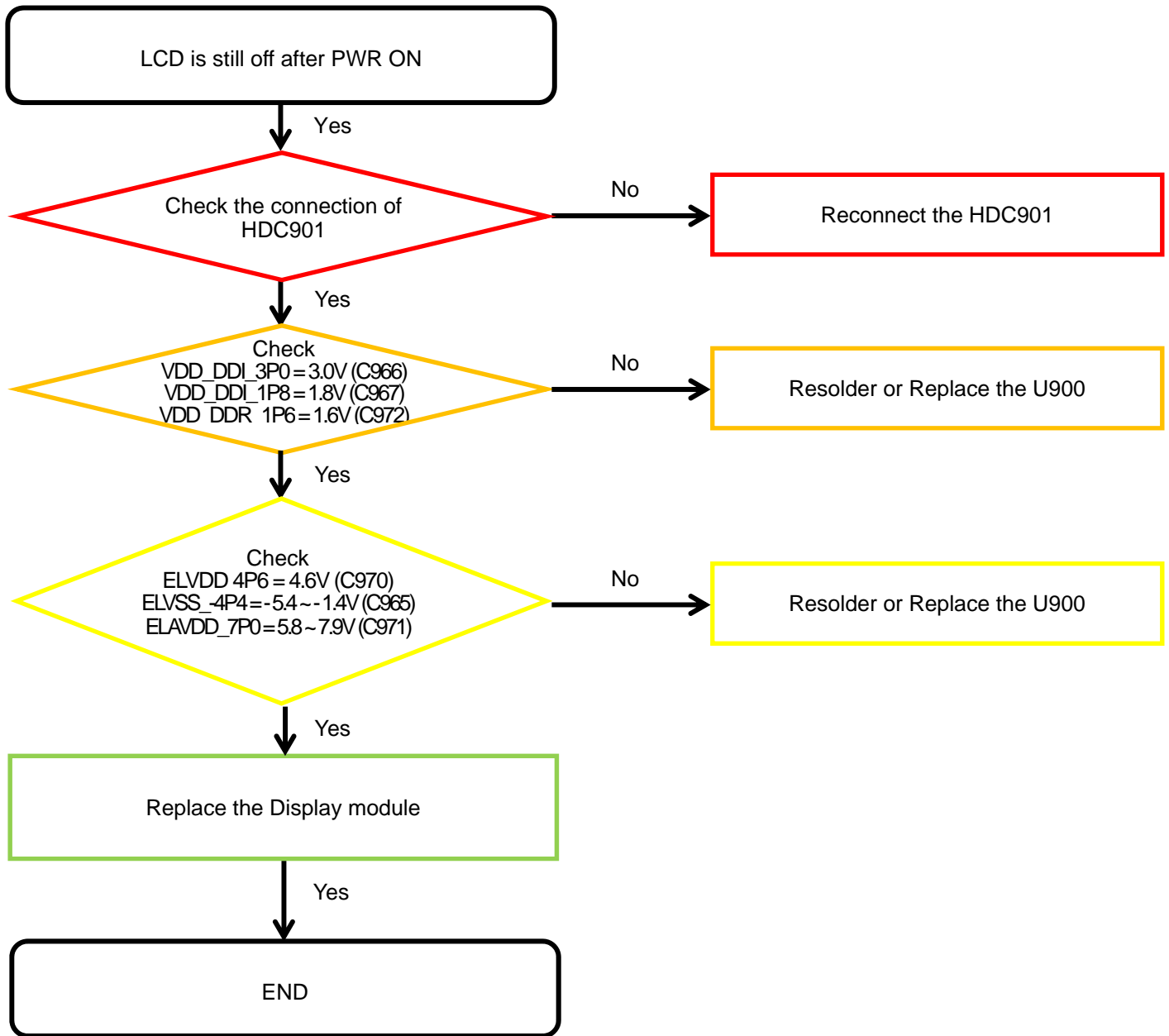
8. Level 3 Repair

8-4-13. NFC



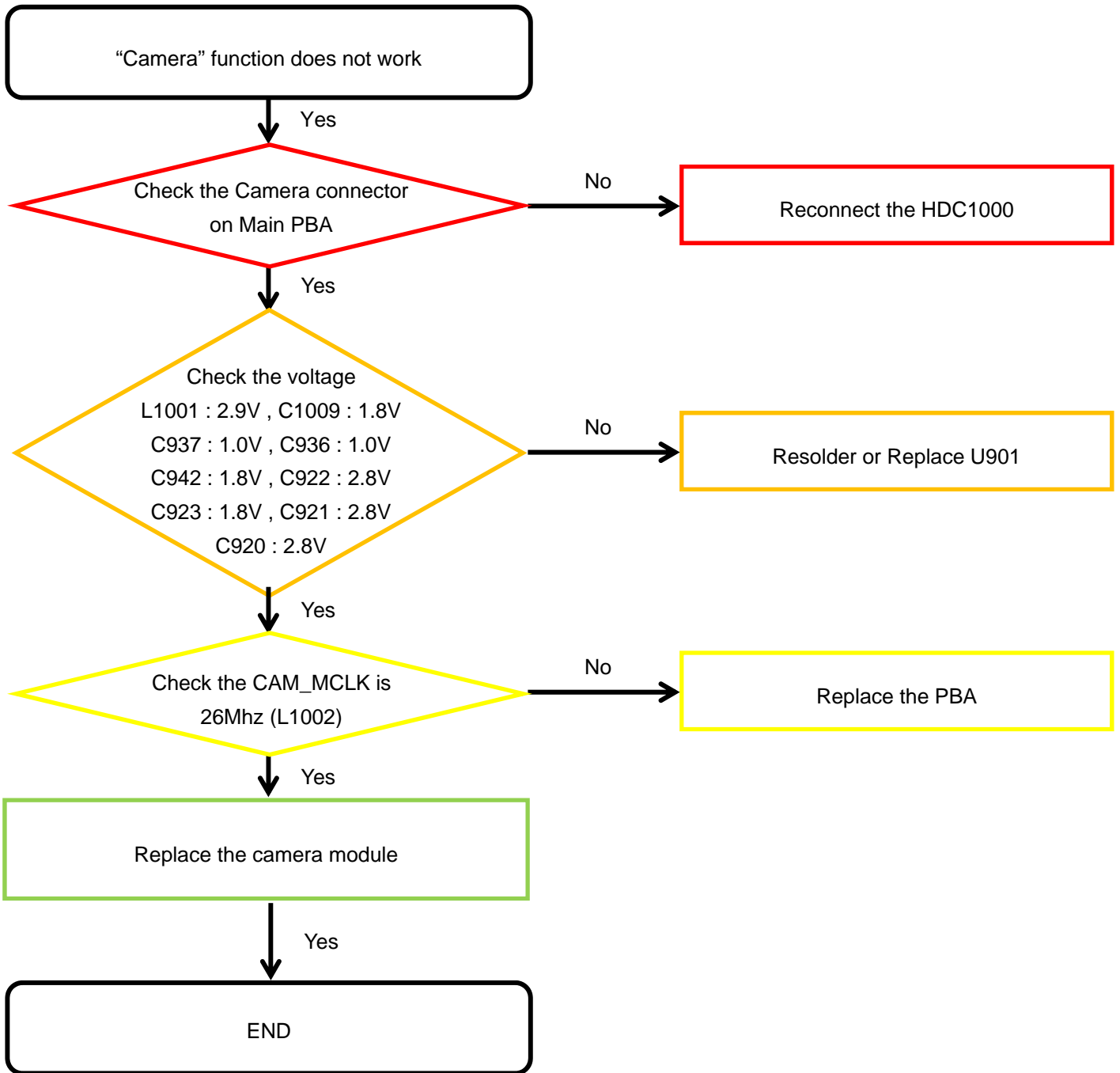
8. Level 3 Repair

8-4-14. Display



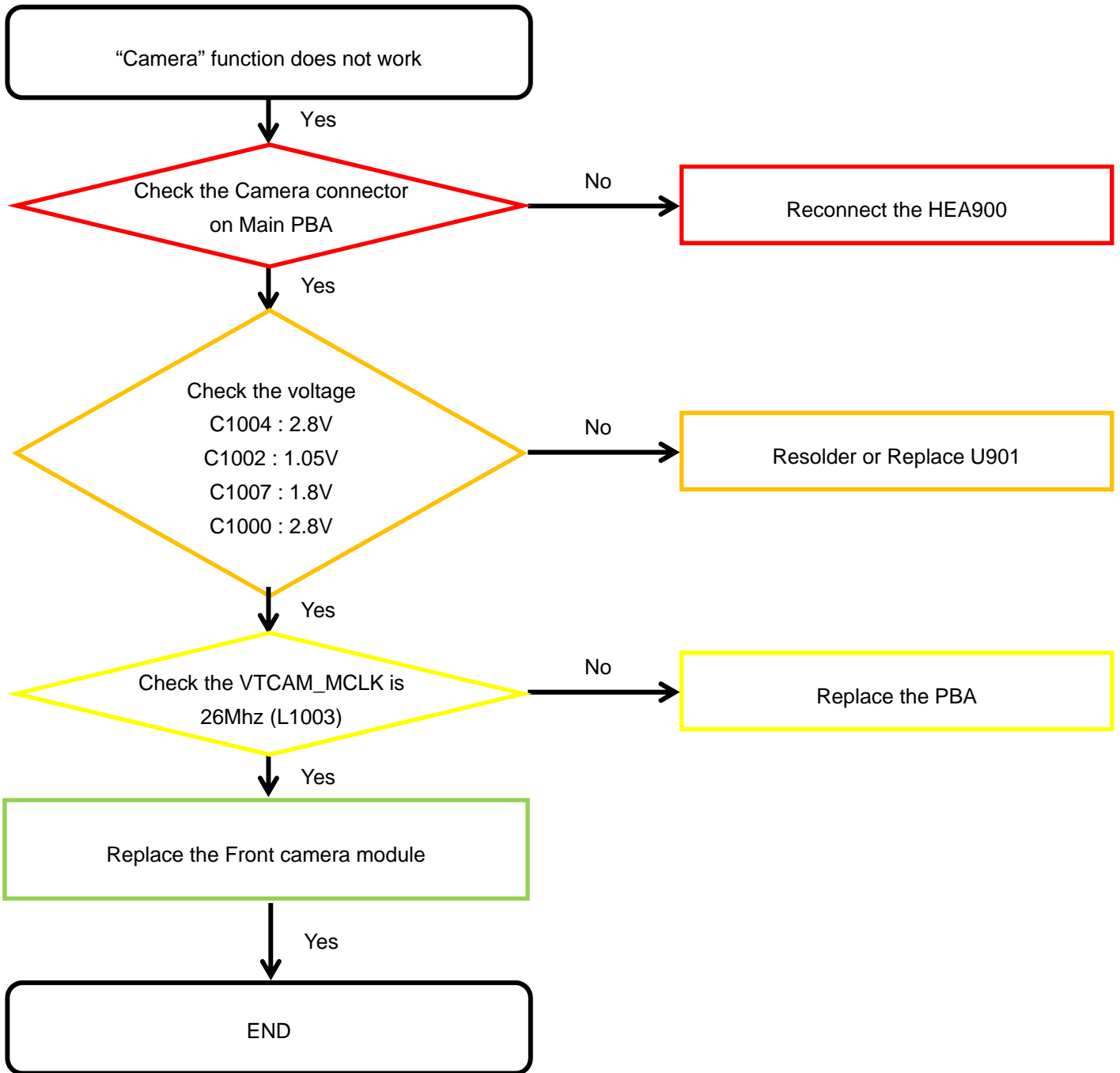
8. Level 3 Repair

8-4-15. 12M CAMERA



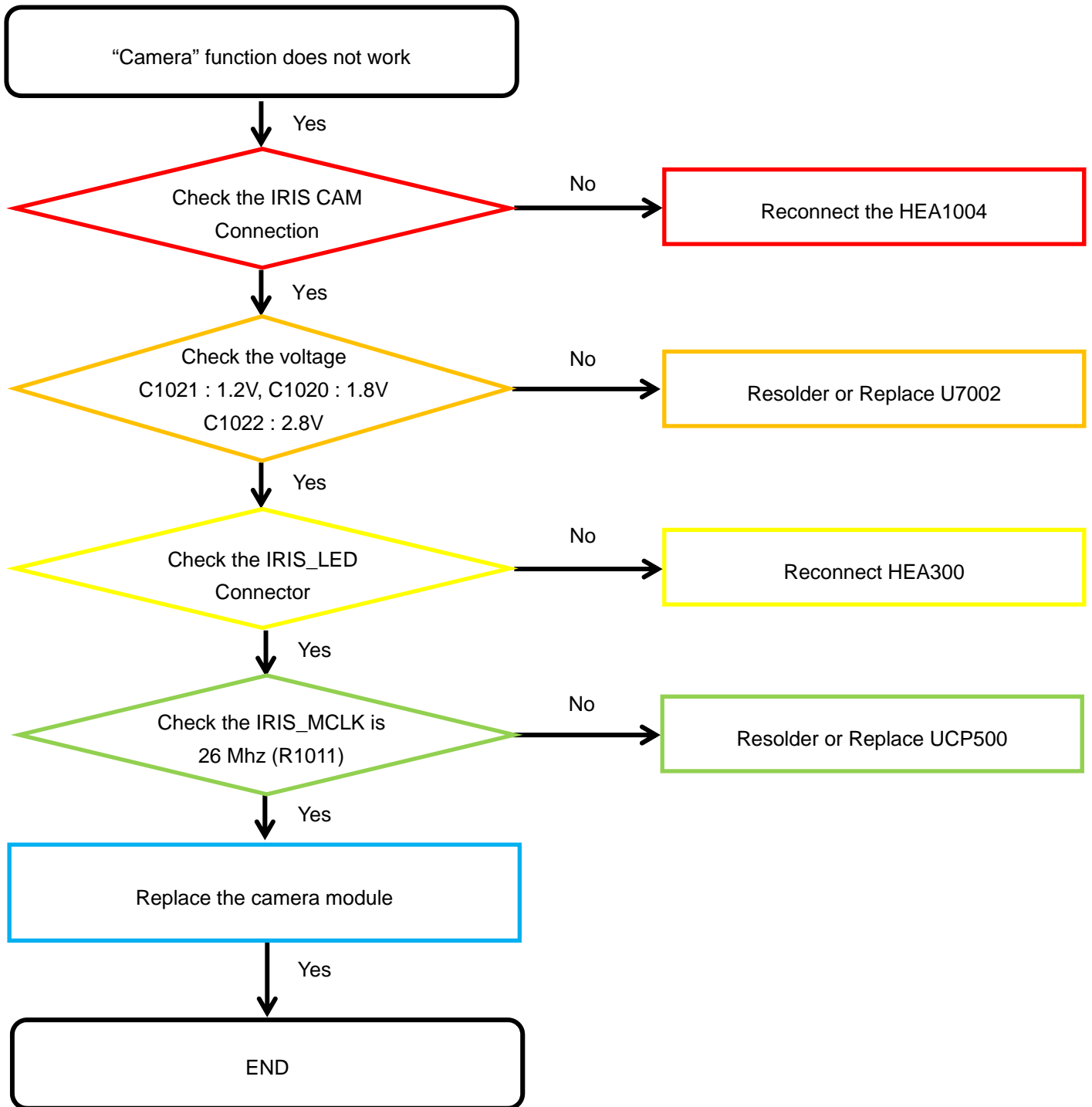
8. Level 3 Repair

8-4-16. 8M CAMERA



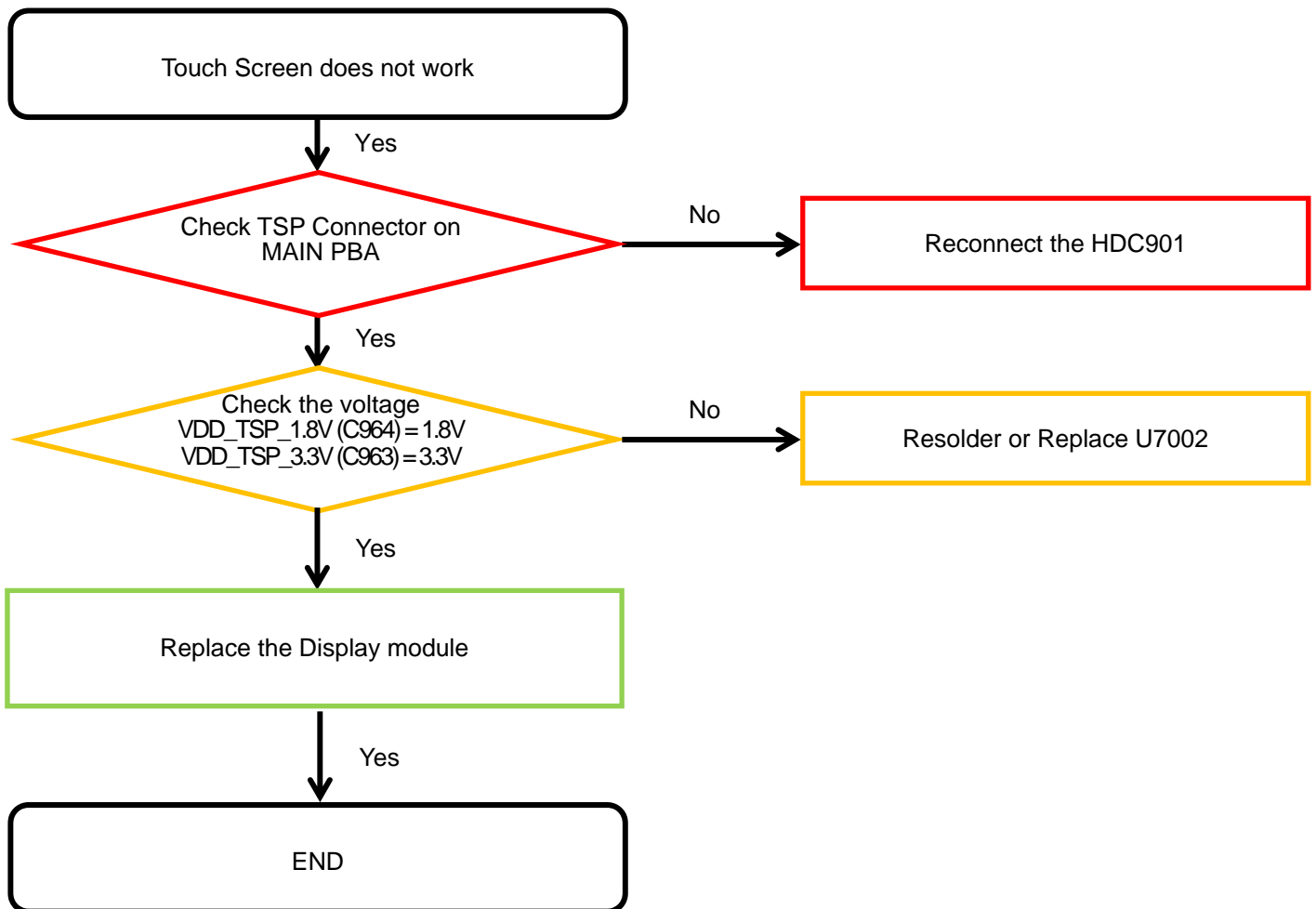
8. Level 3 Repair

8-4-17. IRIS CAM



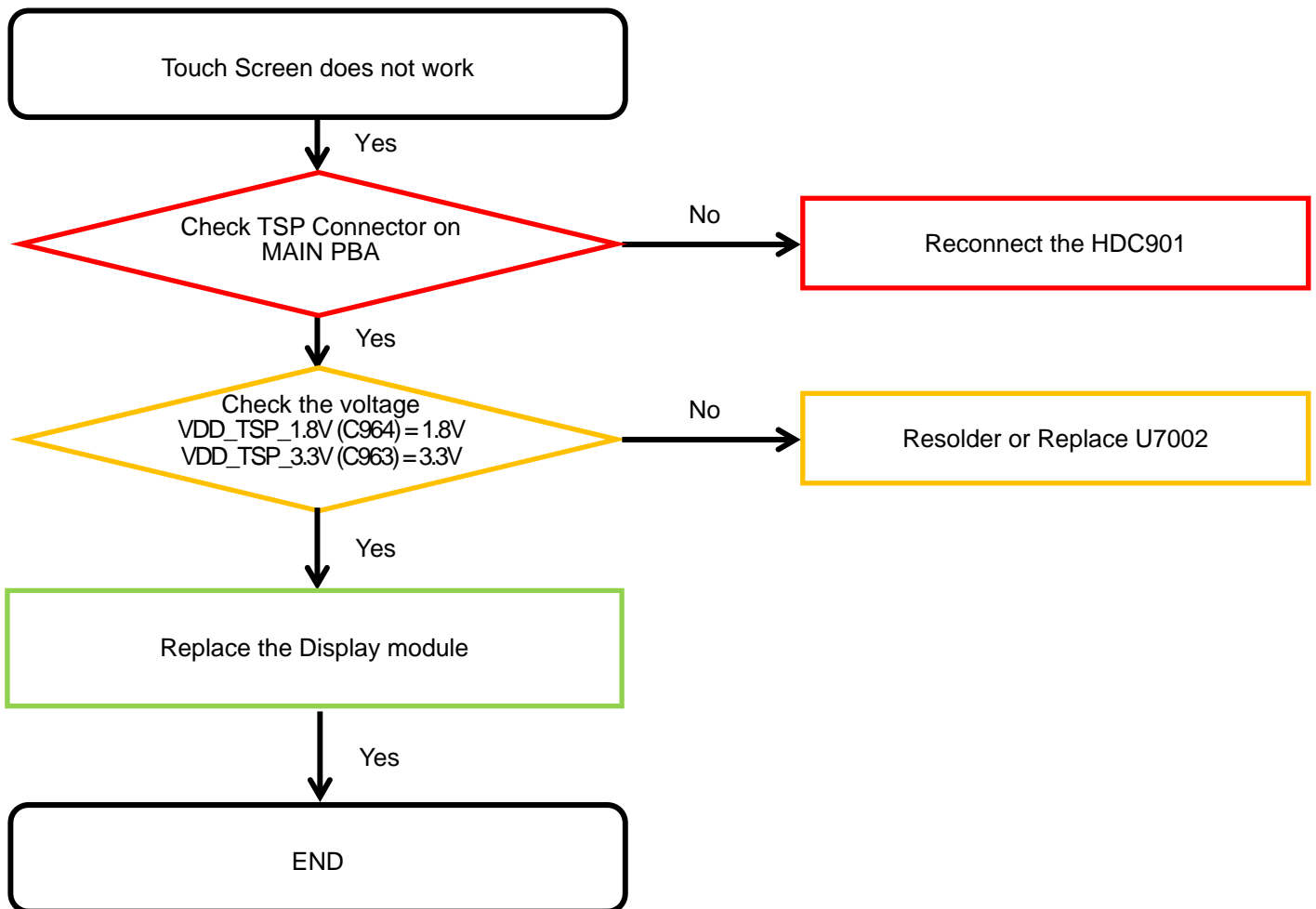
8. Level 3 Repair

8-4-18. TSP



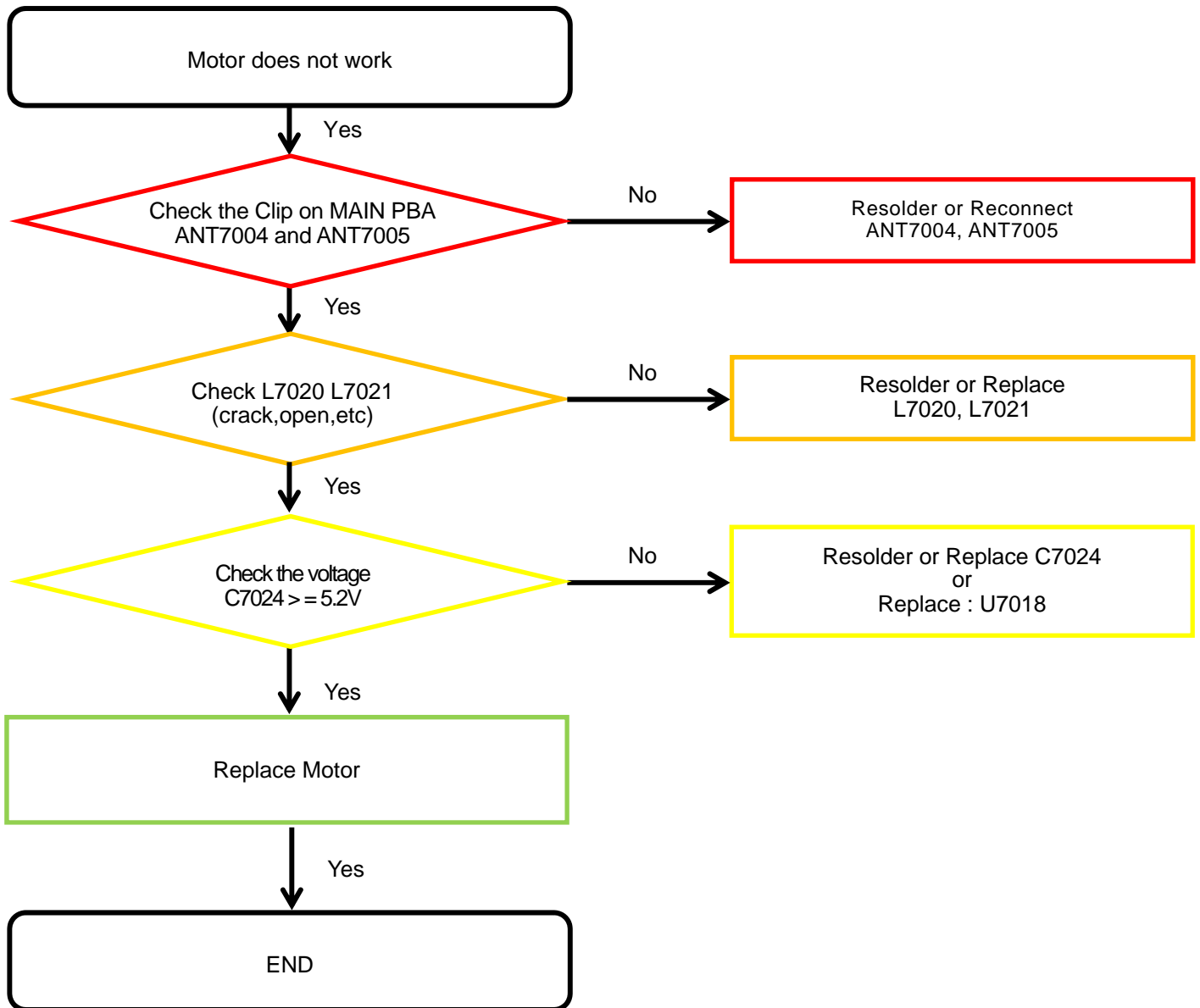
8. Level 3 Repair

8-4-19. Pressure Touch (Home Button function)



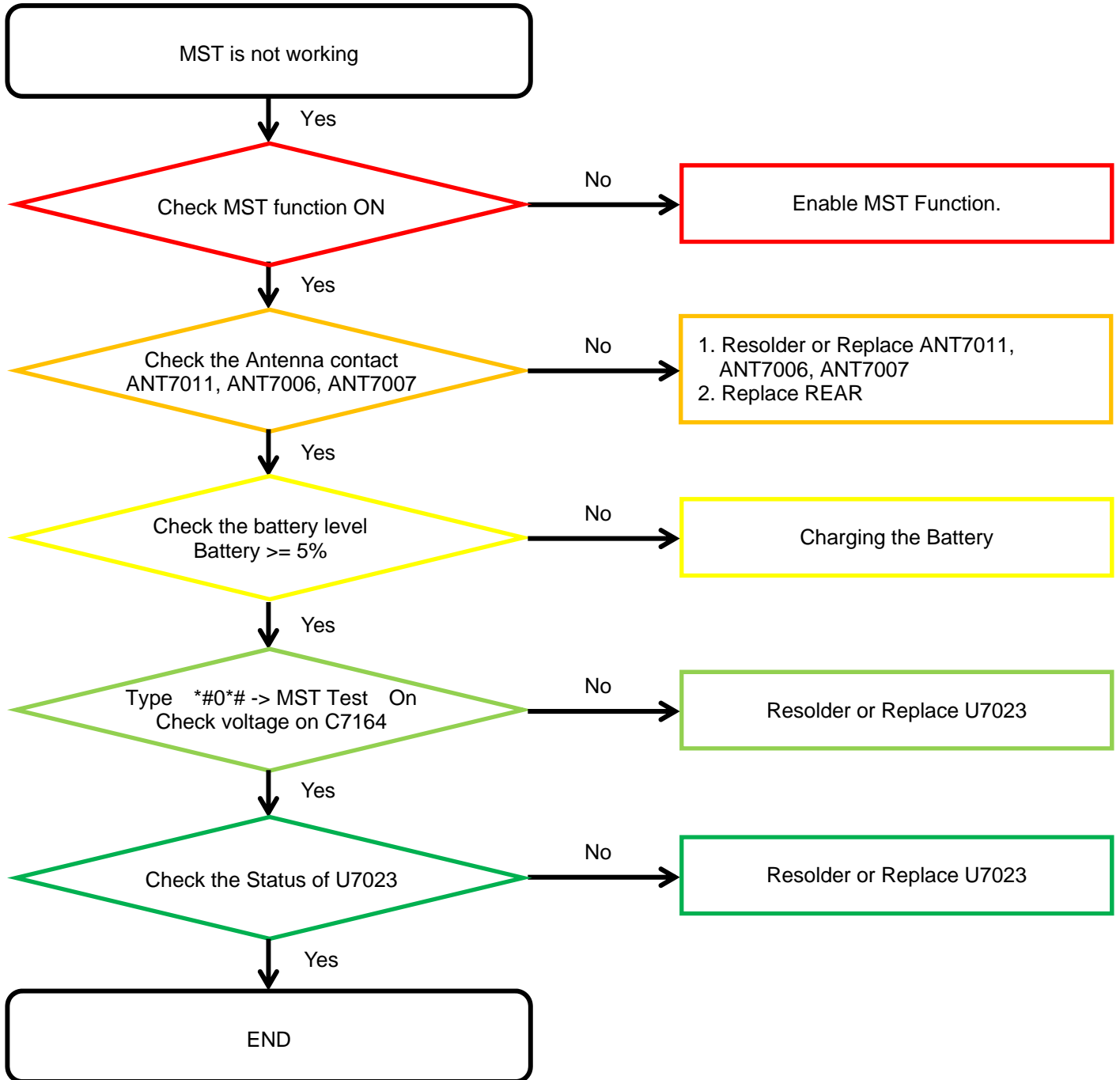
8. Level 3 Repair

8-4-20. Motor



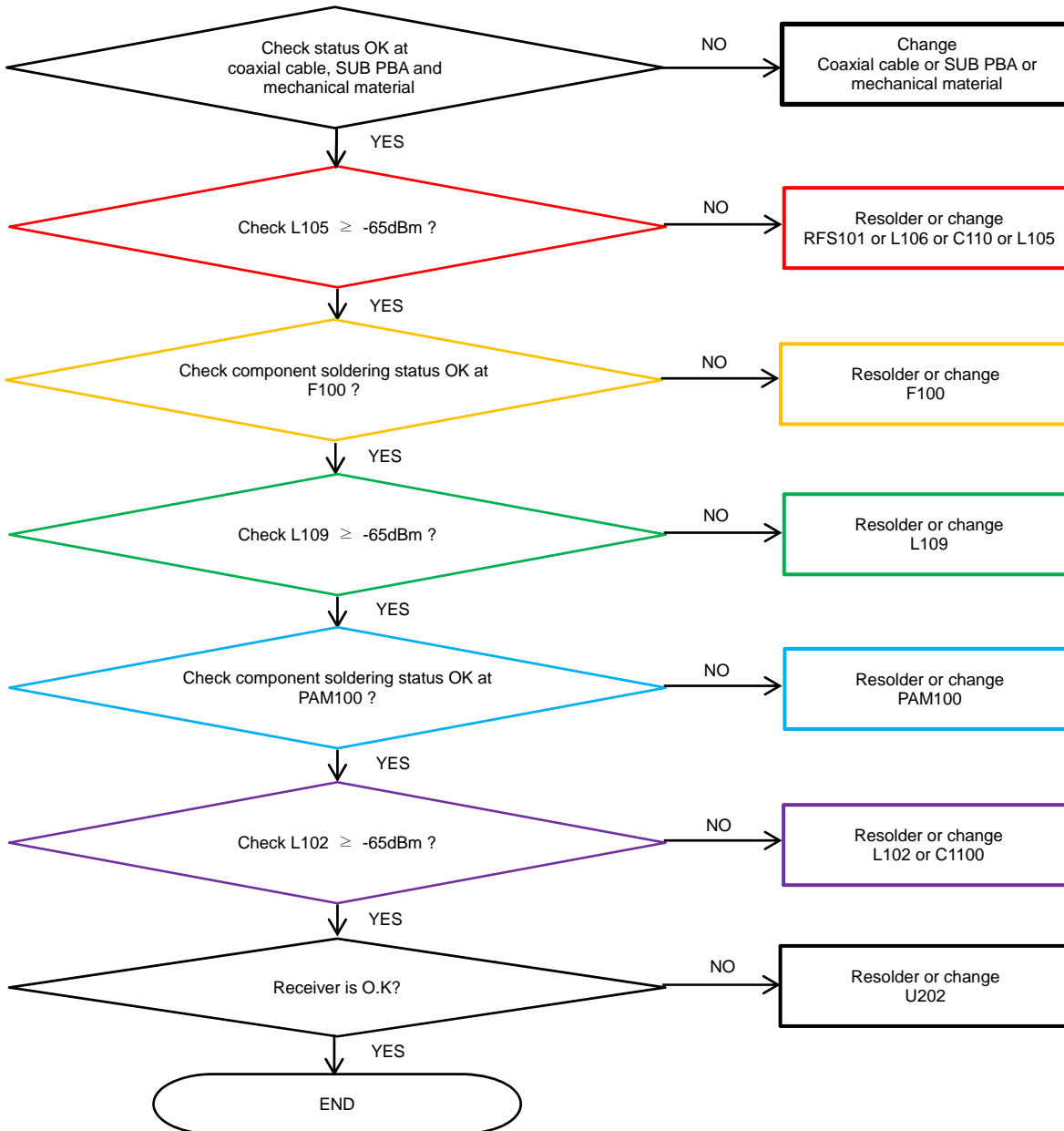
8. Level 3 Repair

8-4-21. MST



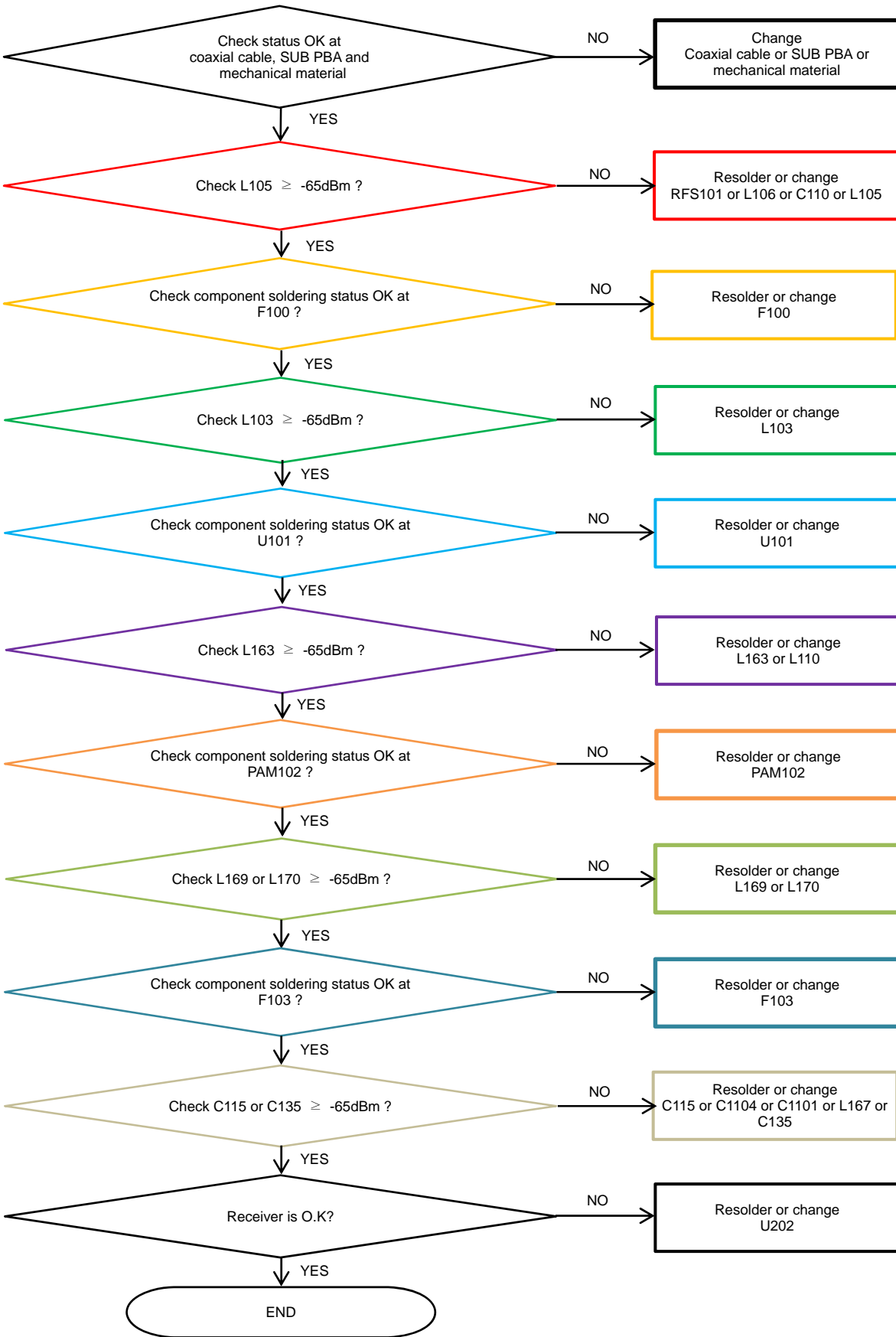
8. Level 3 Repair

8-4-22. GSM 850/900, WCDMA B5/8, LTE B5/8/12/13/17/18/19/20/26/28 Rx



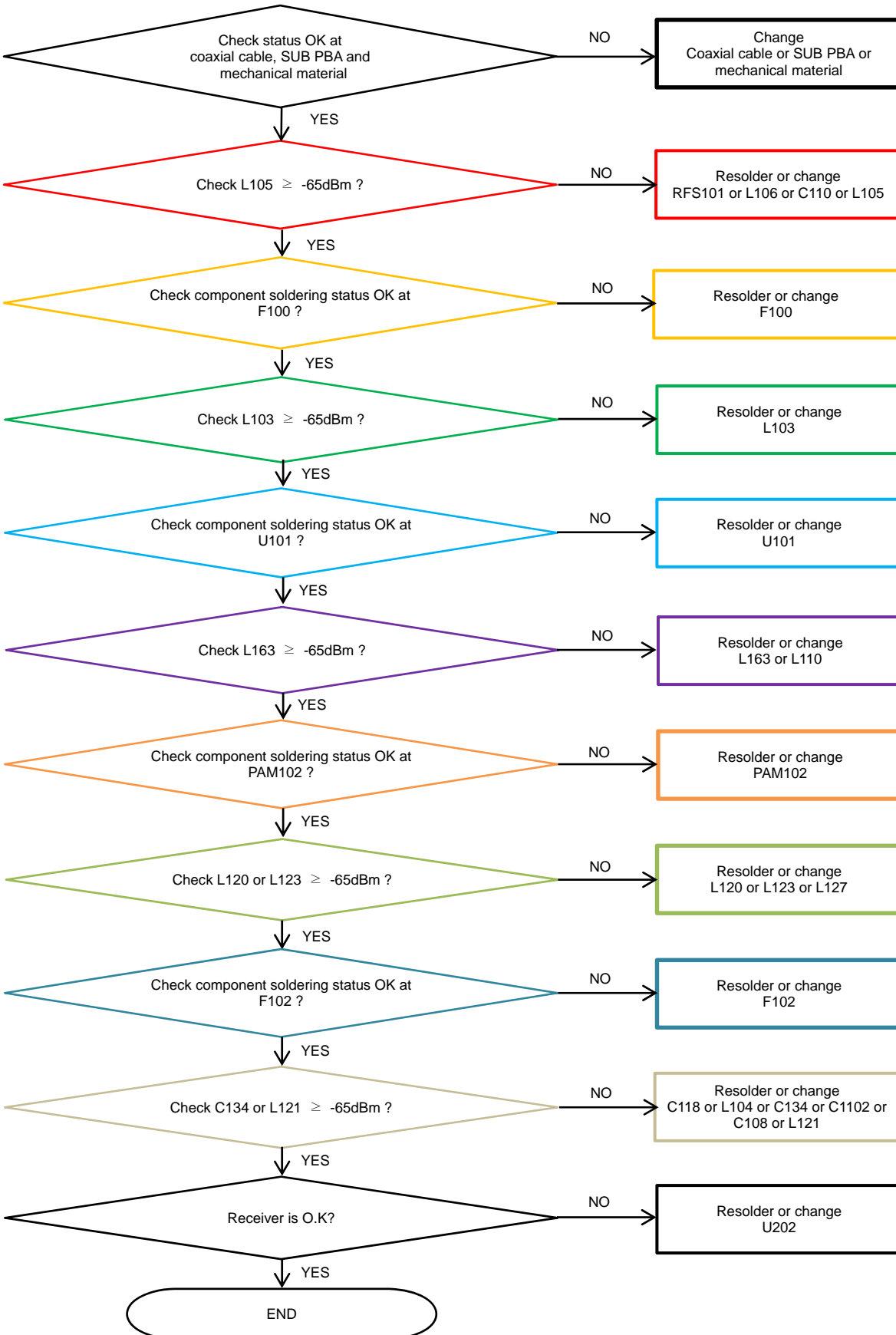
8. Level 3 Repair

8-4-23. LTE B7/40 4RxD



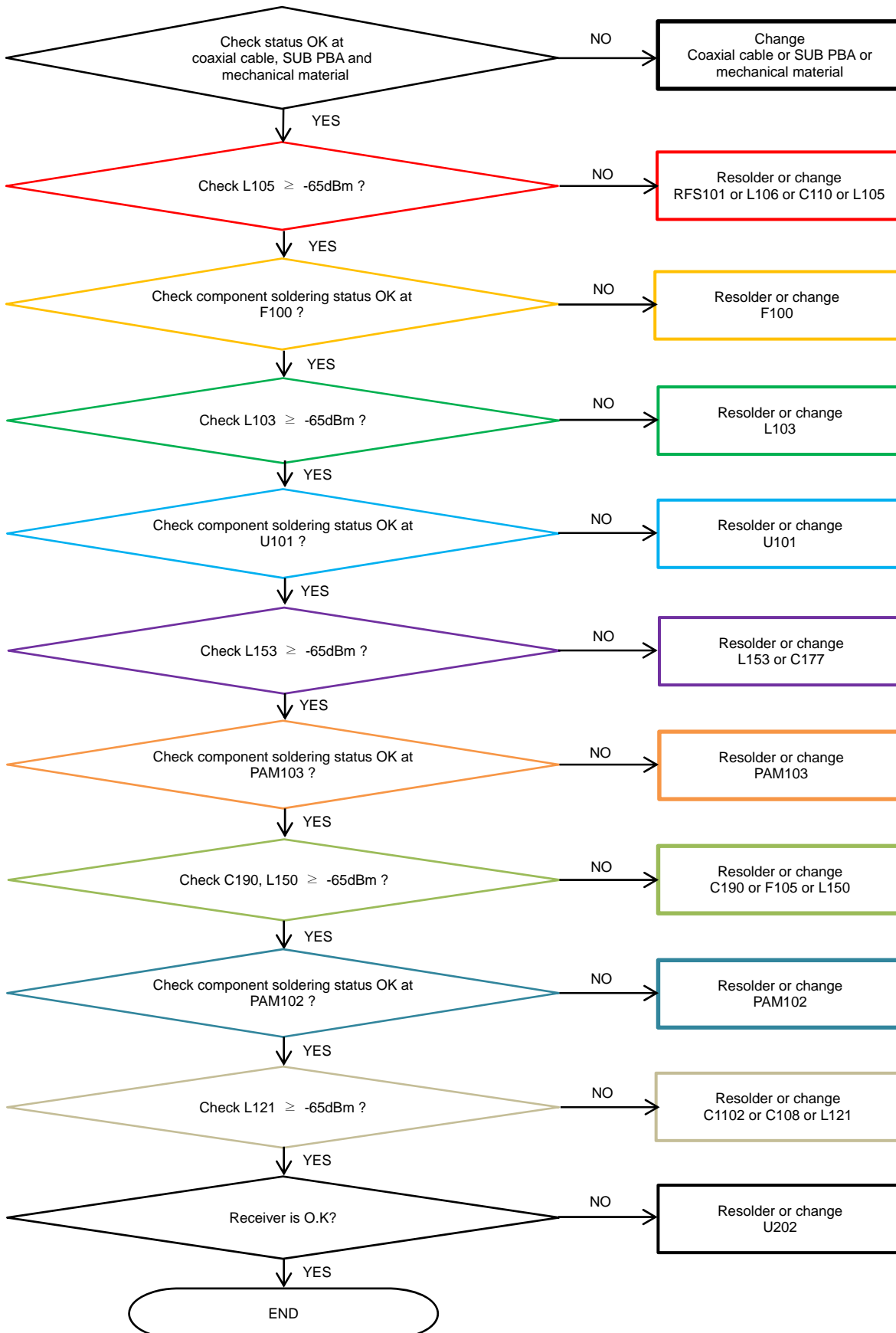
8. Level 3 Repair

8-4-24. WCDMA B1/4, TD-SCDMA B34/39, LTE B1/4/39/66 Rx



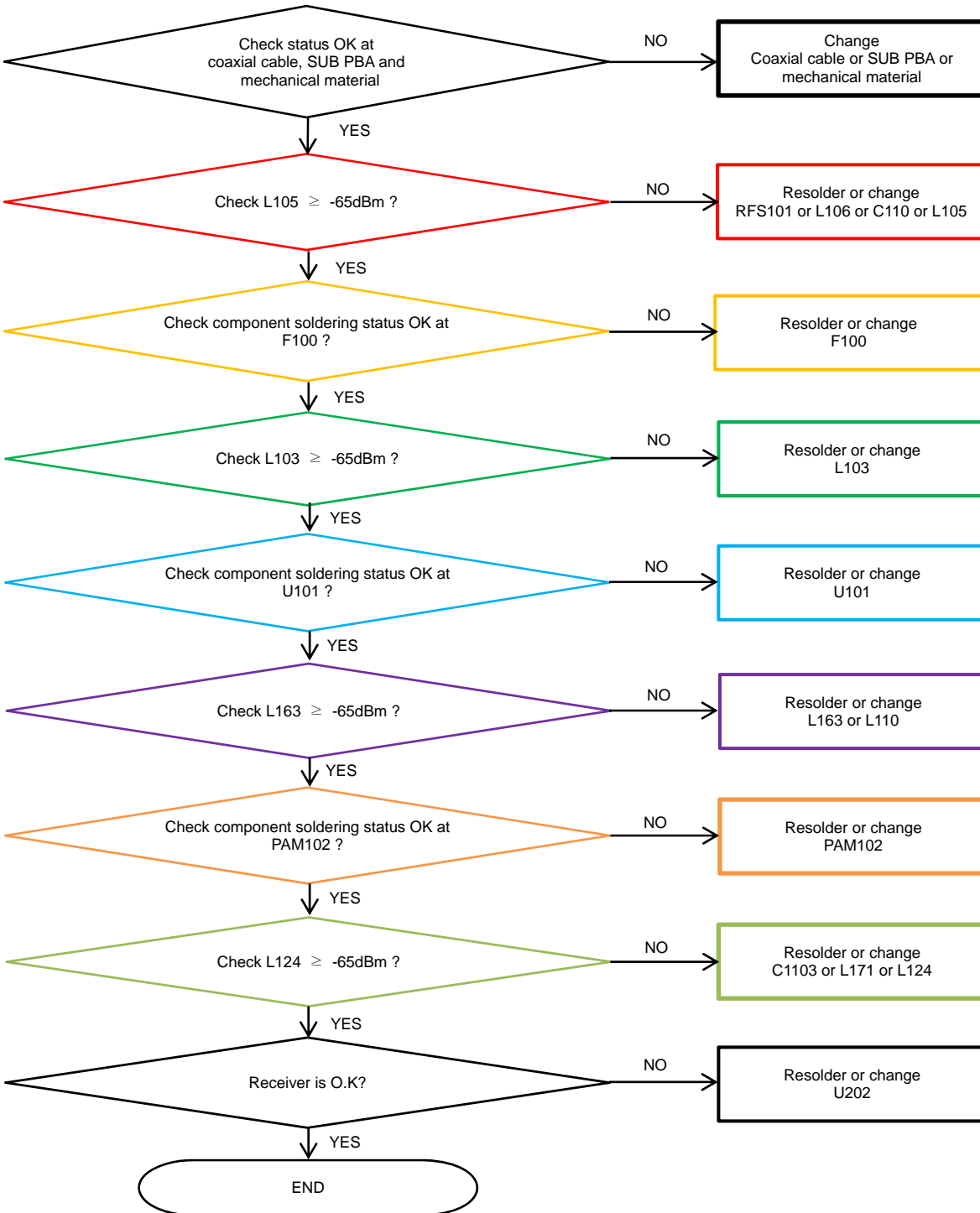
8. Level 3 Repair

8-4-25. LTE B32 Rx



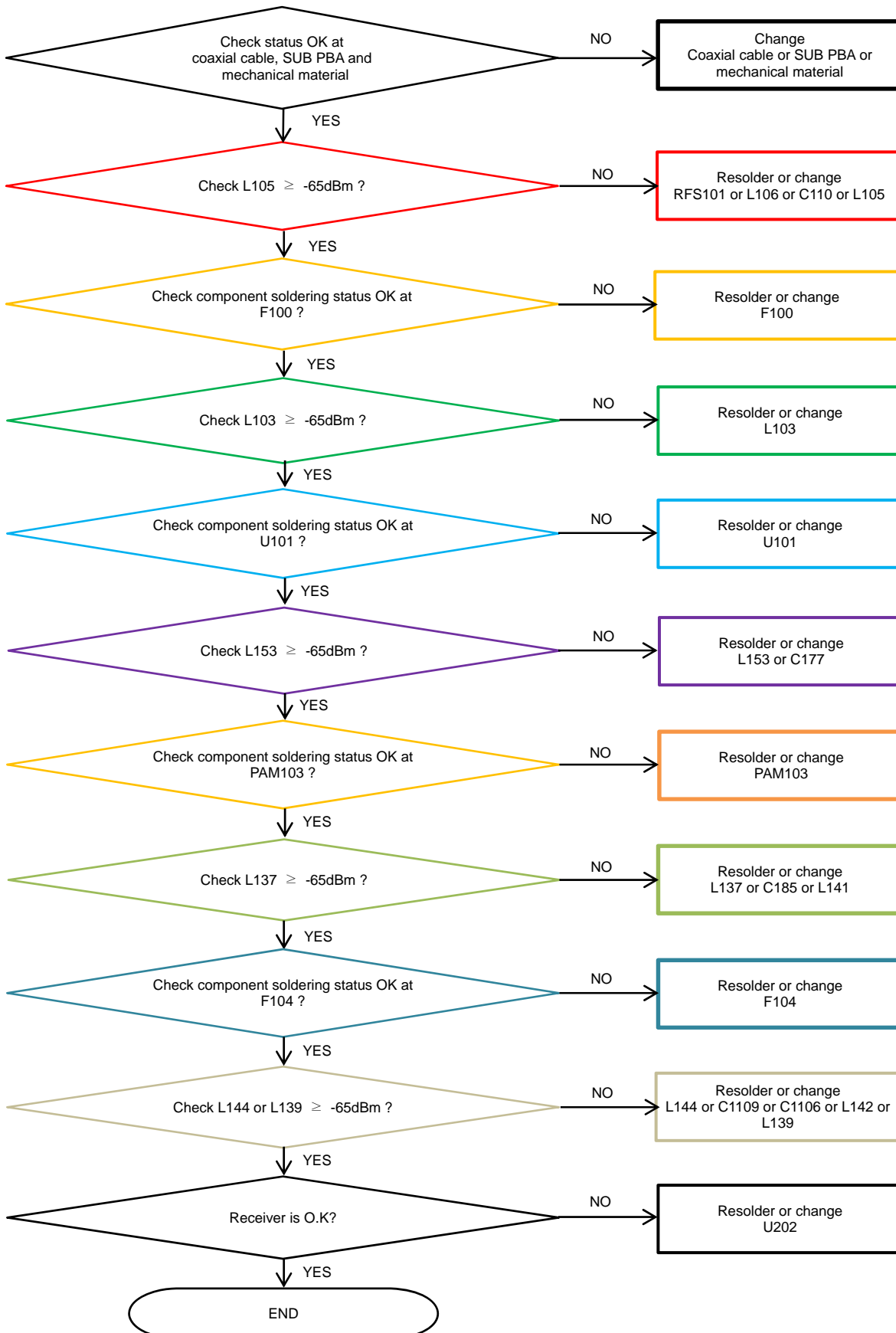
8. Level 3 Repair

8-4-26. GSM1800/1900, WCDMA B2, LTE B2/3/25 Rx



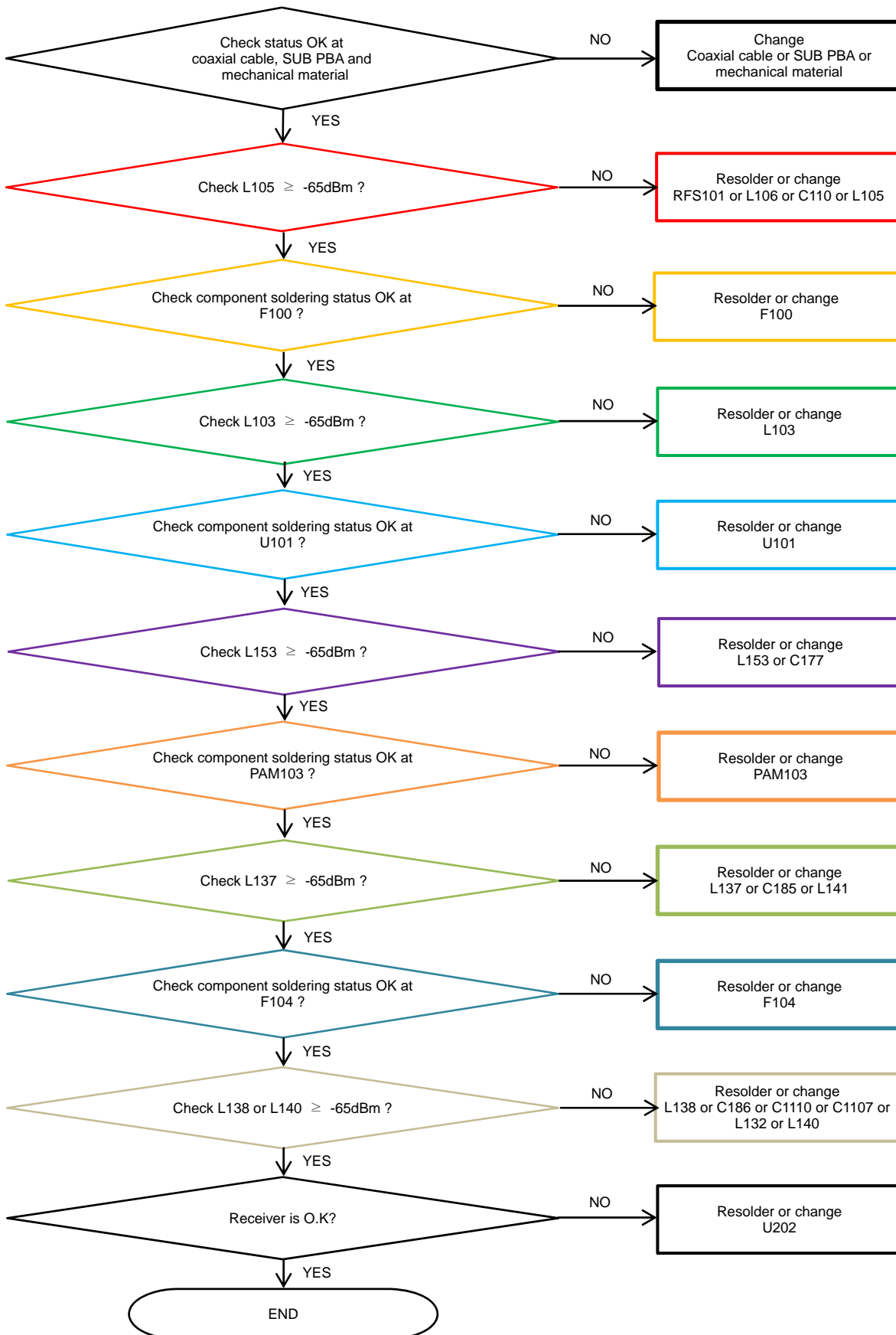
8. Level 3 Repair

8-4-27. LTE B3 4RxD



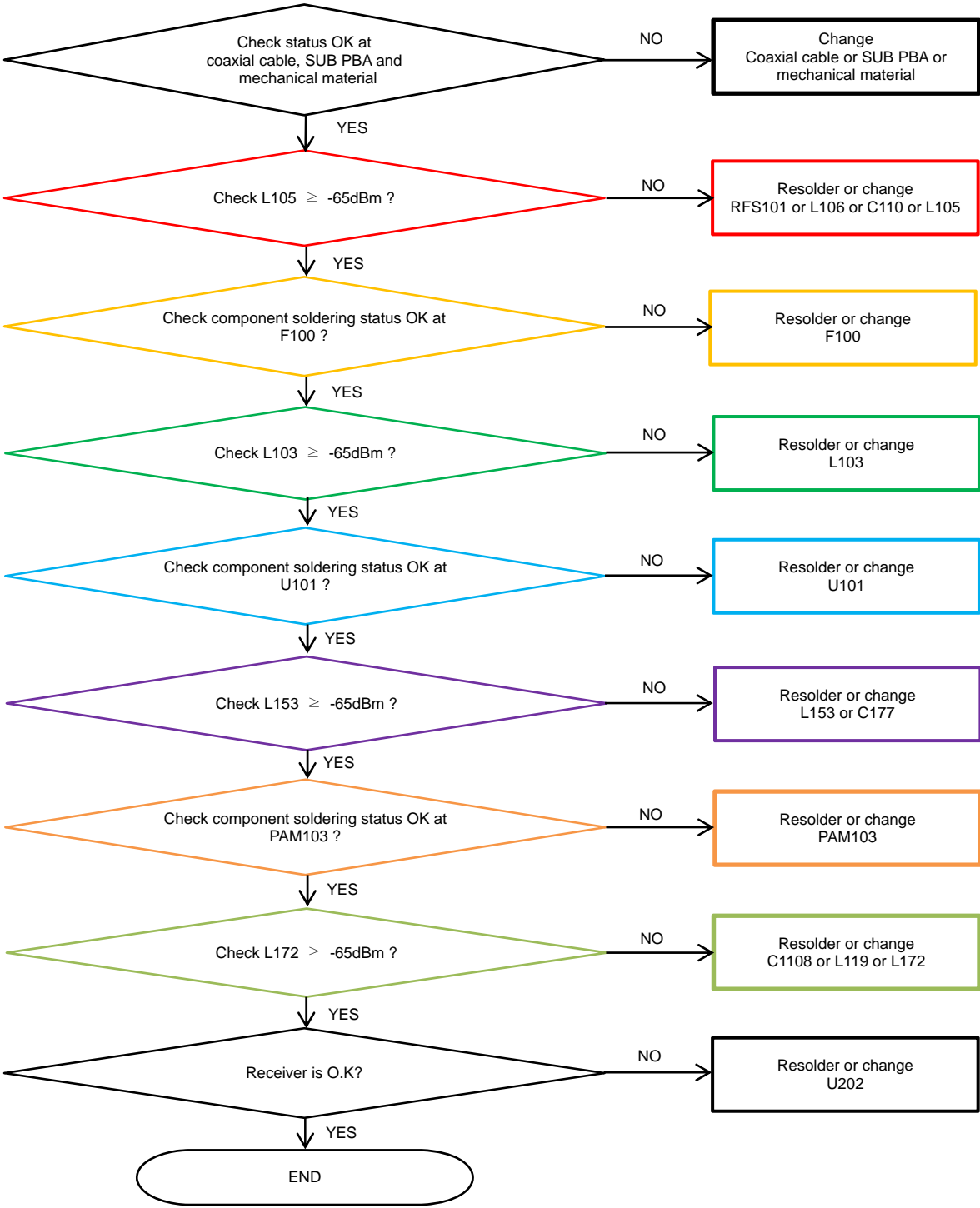
8. Level 3 Repair

8-4-28. LTE B1/4 4Rx



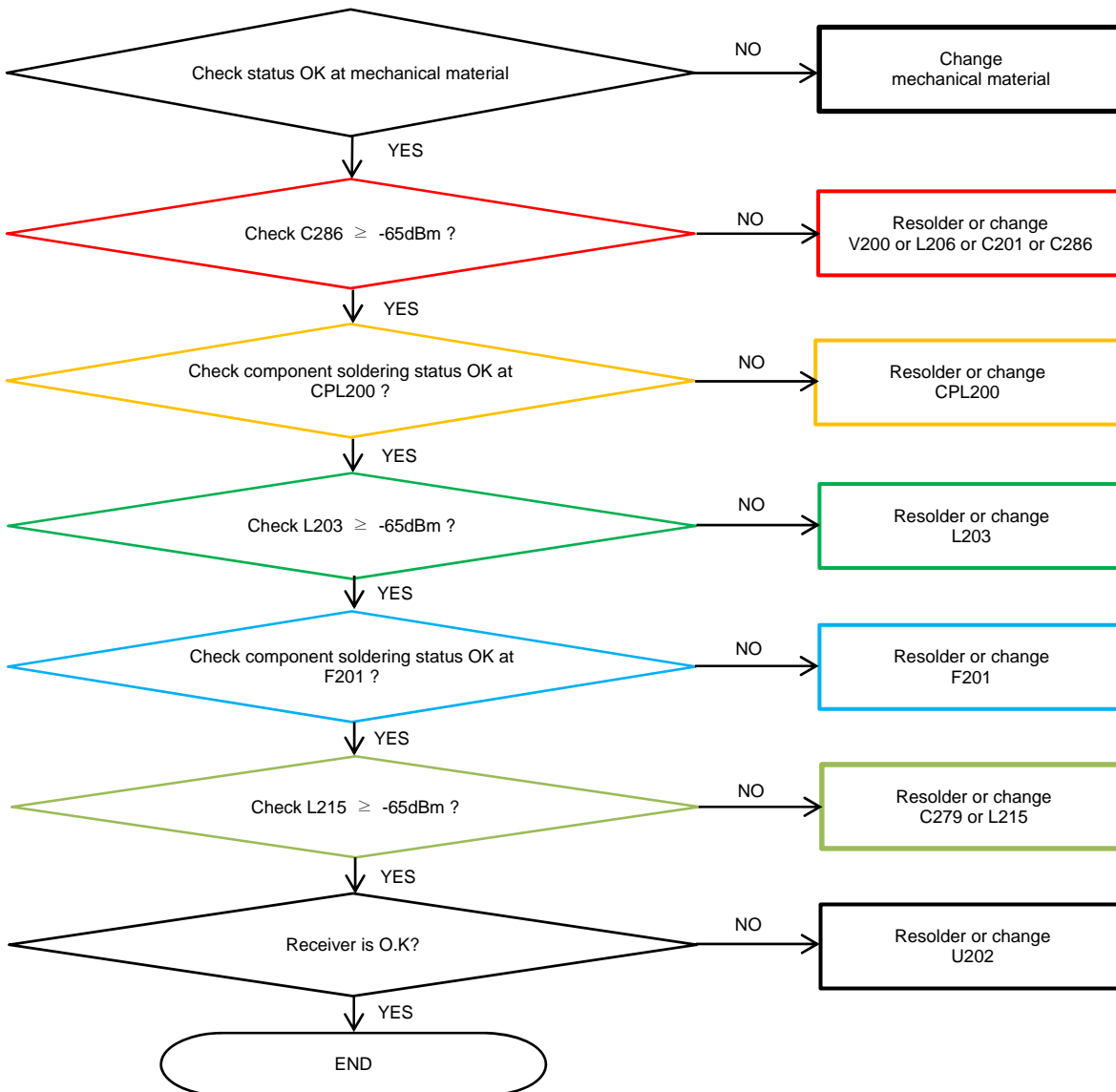
8. Level 3 Repair

8-4-29. LTE B7/38/40/41 Rx



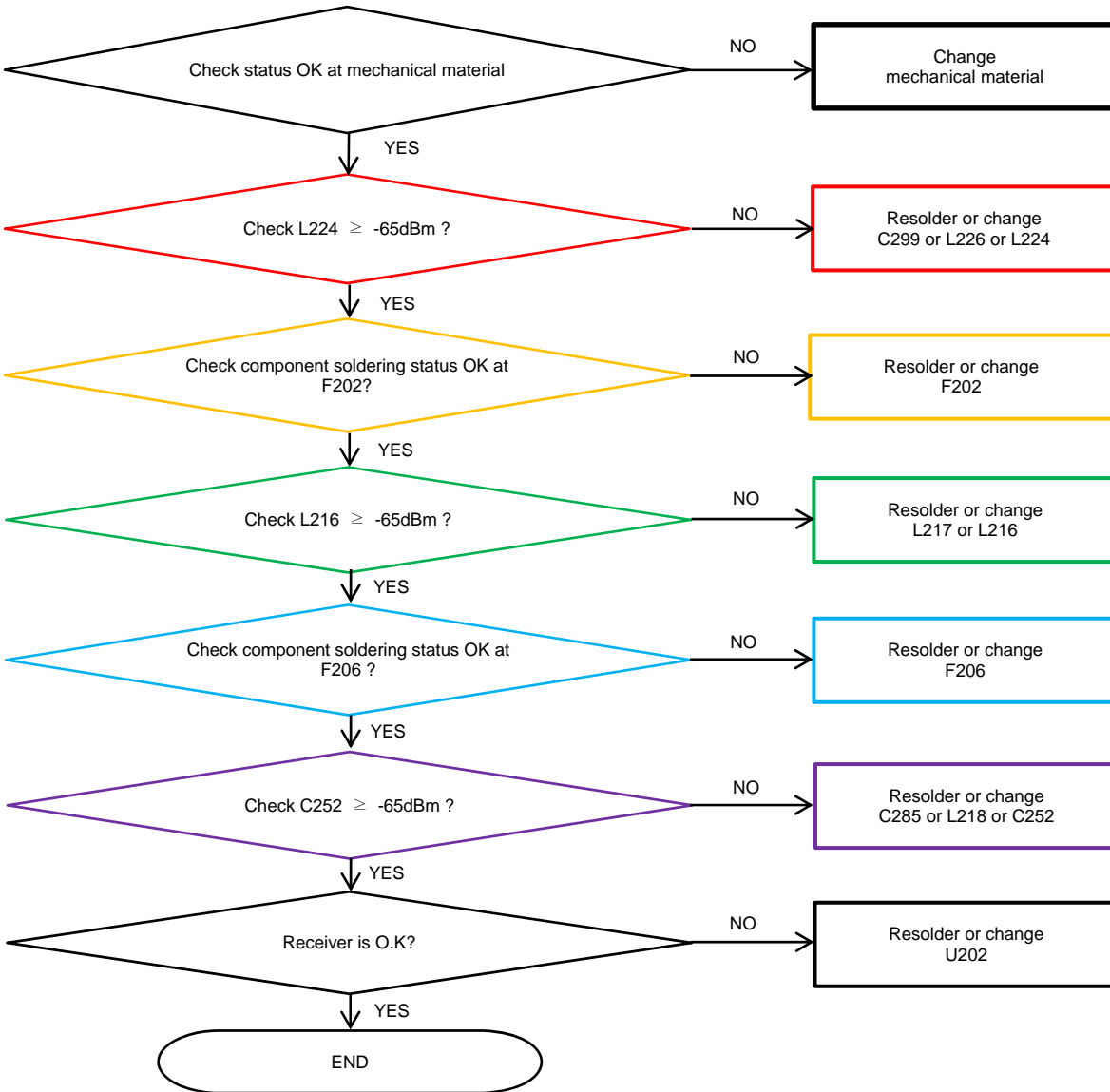
8. Level 3 Repair

8-4-30. LTE B5/8/12/13/17/18/19/20/26/28 , WCDMA B5/8 , GSM850/900 DRx



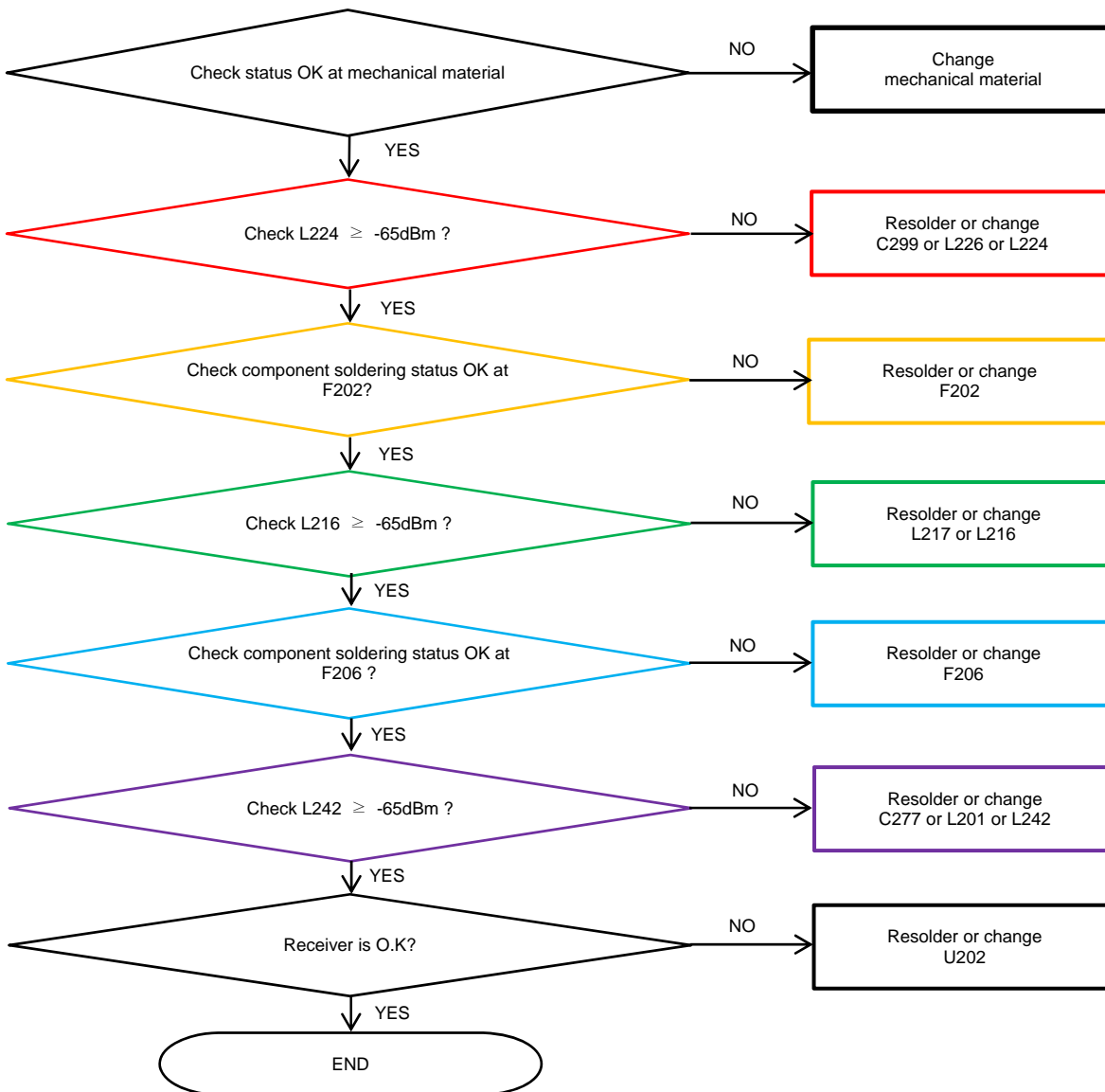
8. Level 3 Repair

8-4-31. LTE B1/4/7/38/40/41/66 , WCDMA B1/4 DRx



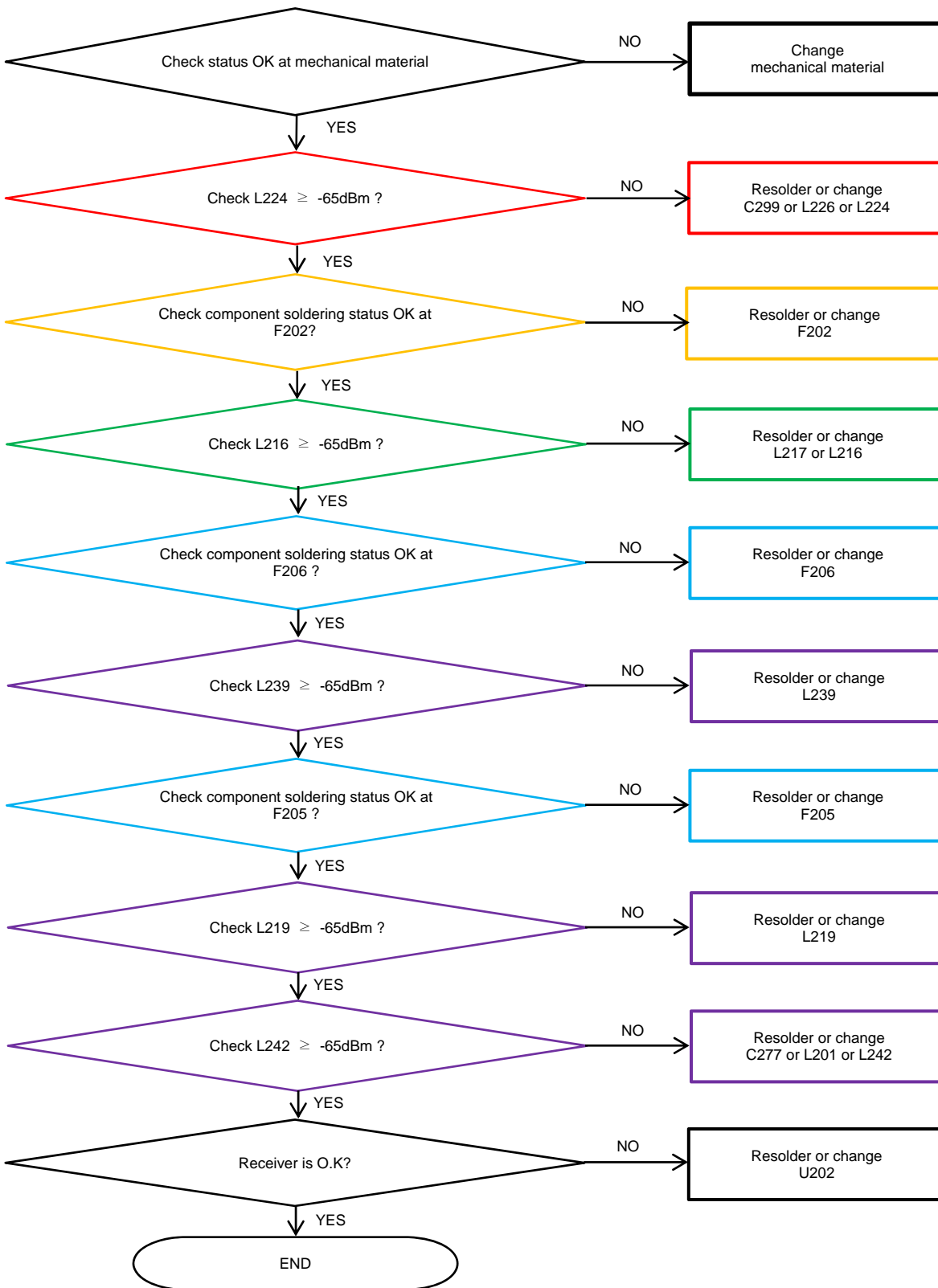
8. Level 3 Repair

8-4-32. LTE B2/3/25 , WCDMA B2 , GSM1800/1900 DRx



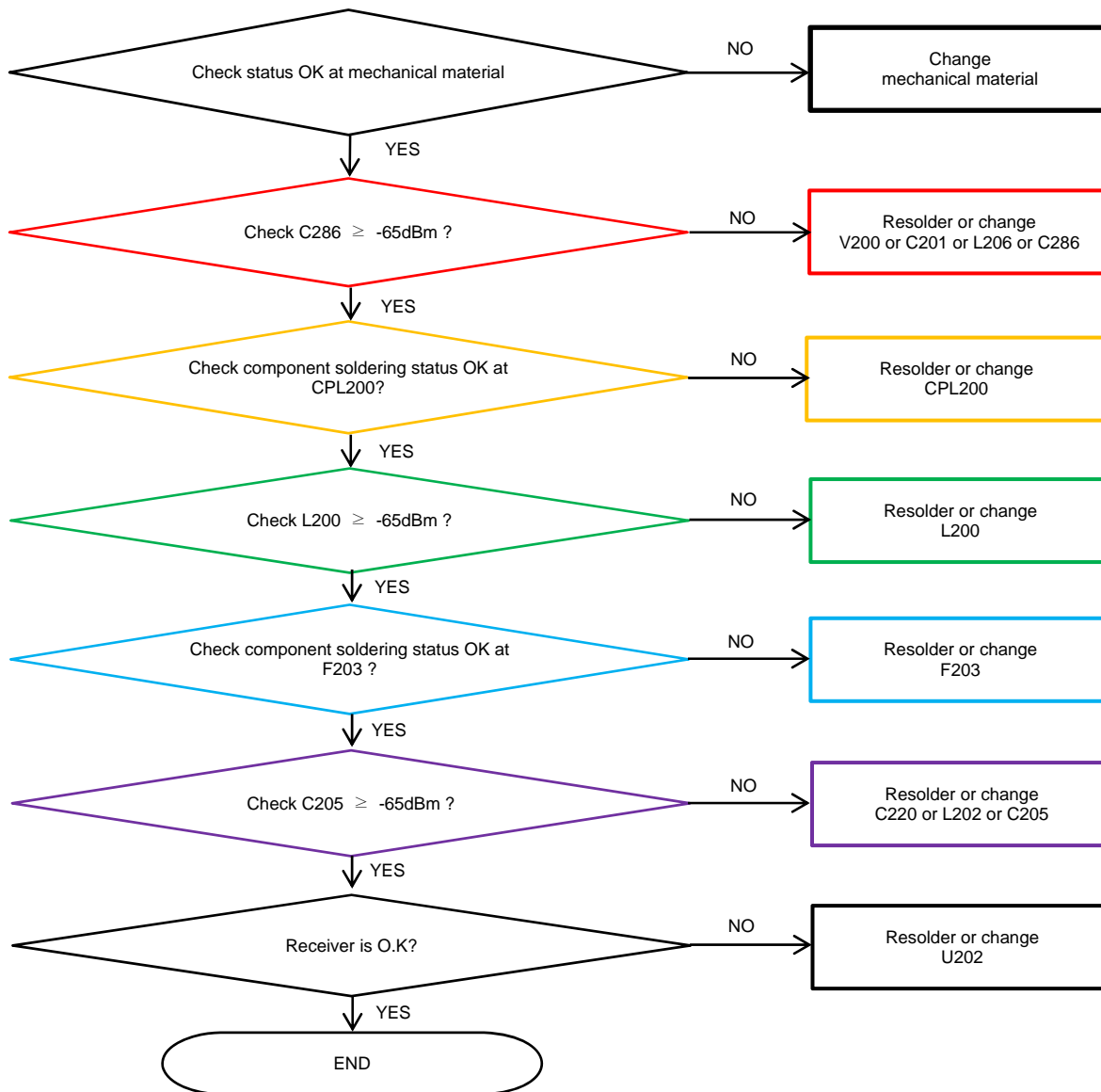
8. Level 3 Repair

8-4-33. LTE B32 DRx



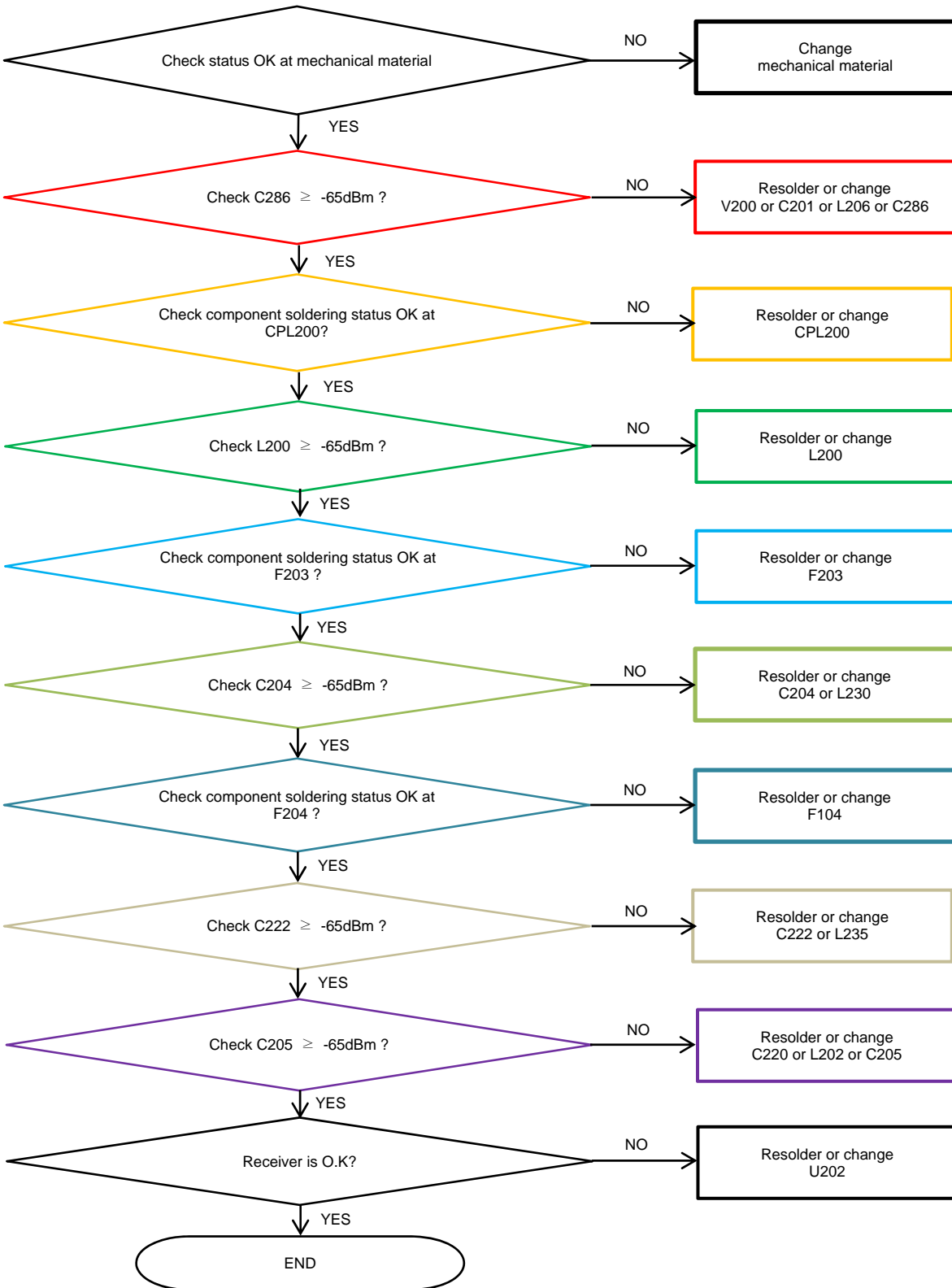
8. Level 3 Repair

8-4-34. LTE B39 DRx , B1/4/7 4Rx(DRx2)



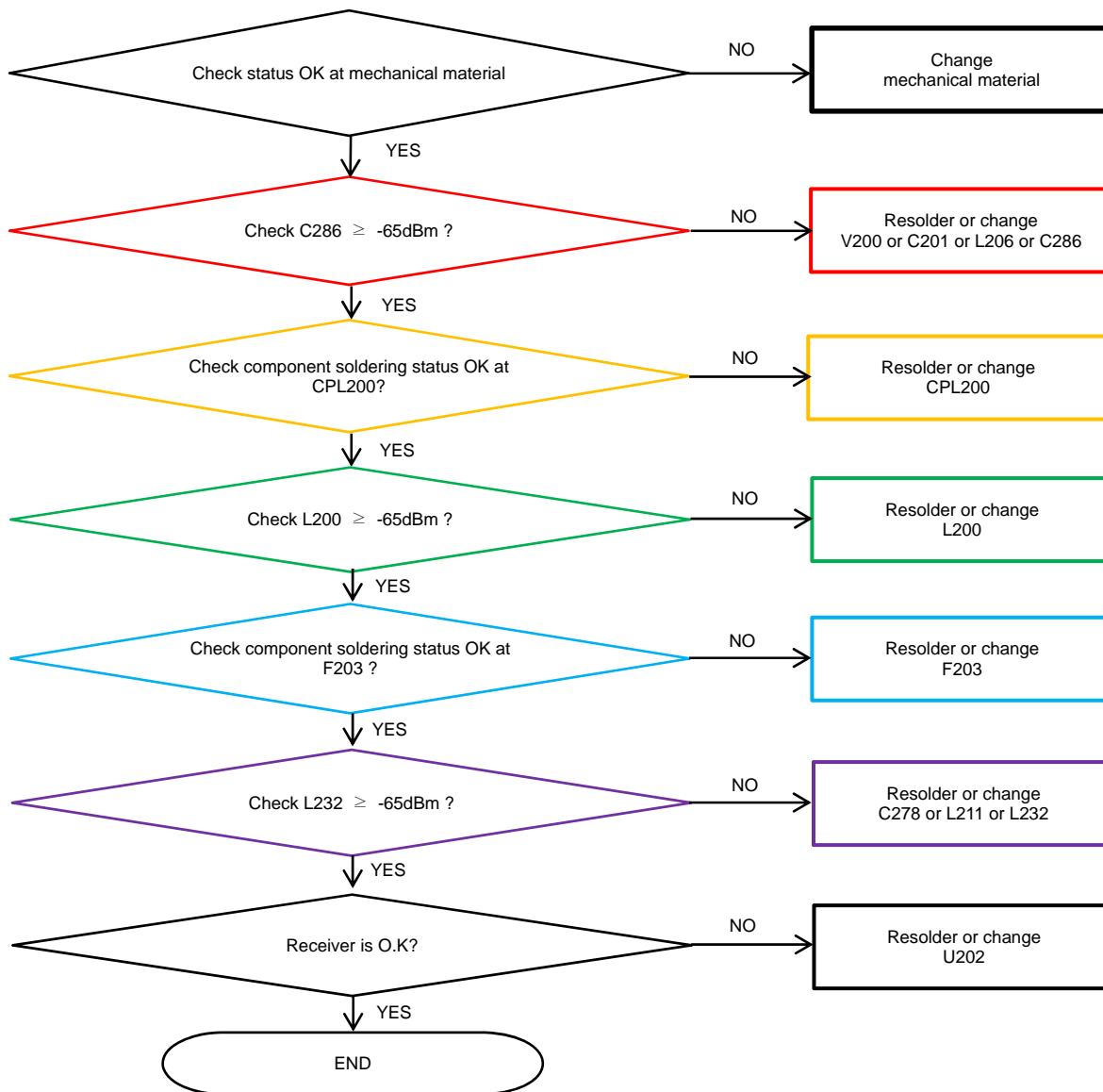
8. Level 3 Repair

8-4-35. LTE B40 4Rx(DRx2)



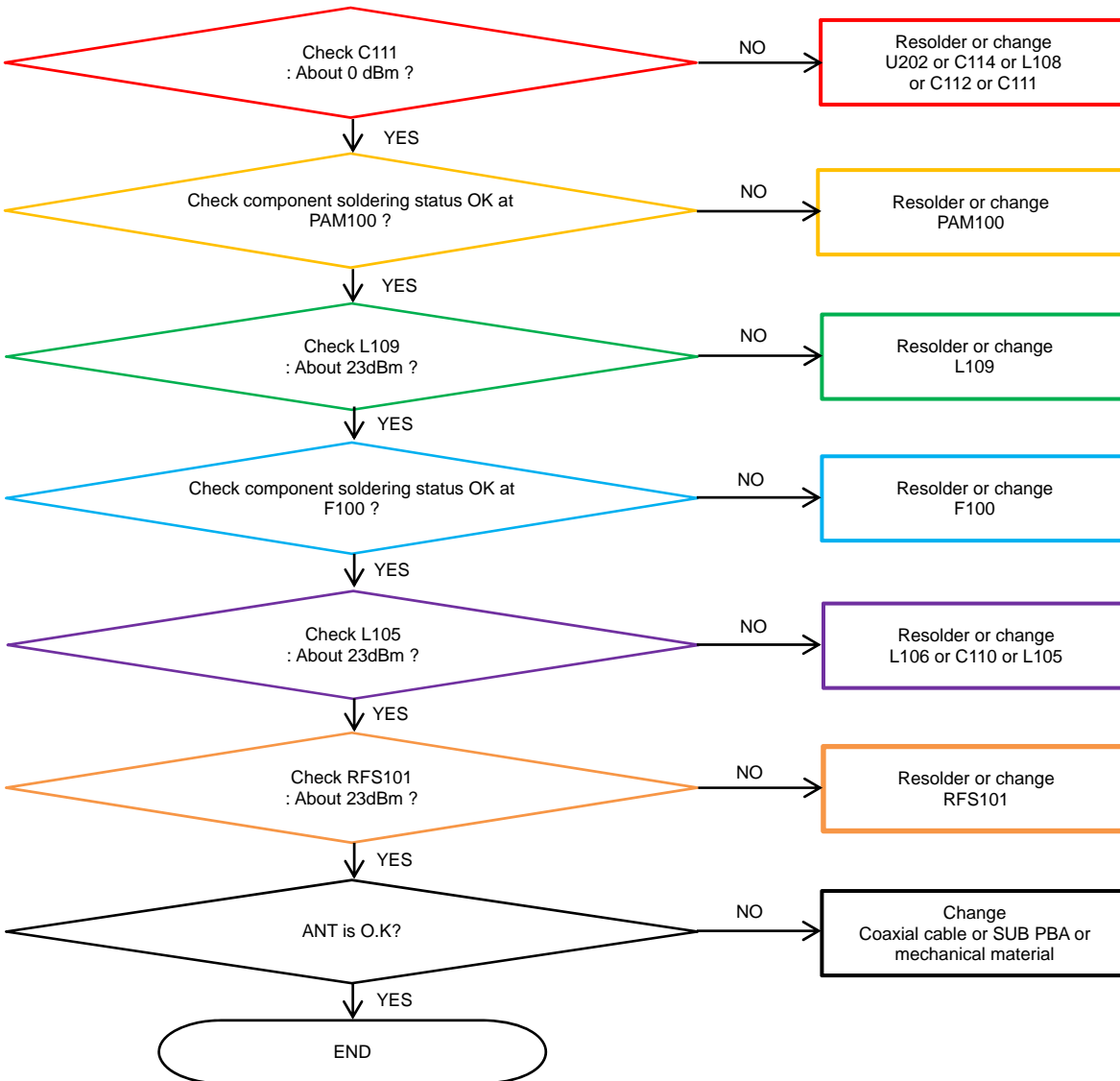
8. Level 3 Repair

8-4-36. LTE B3 4RxDR(DRx2)



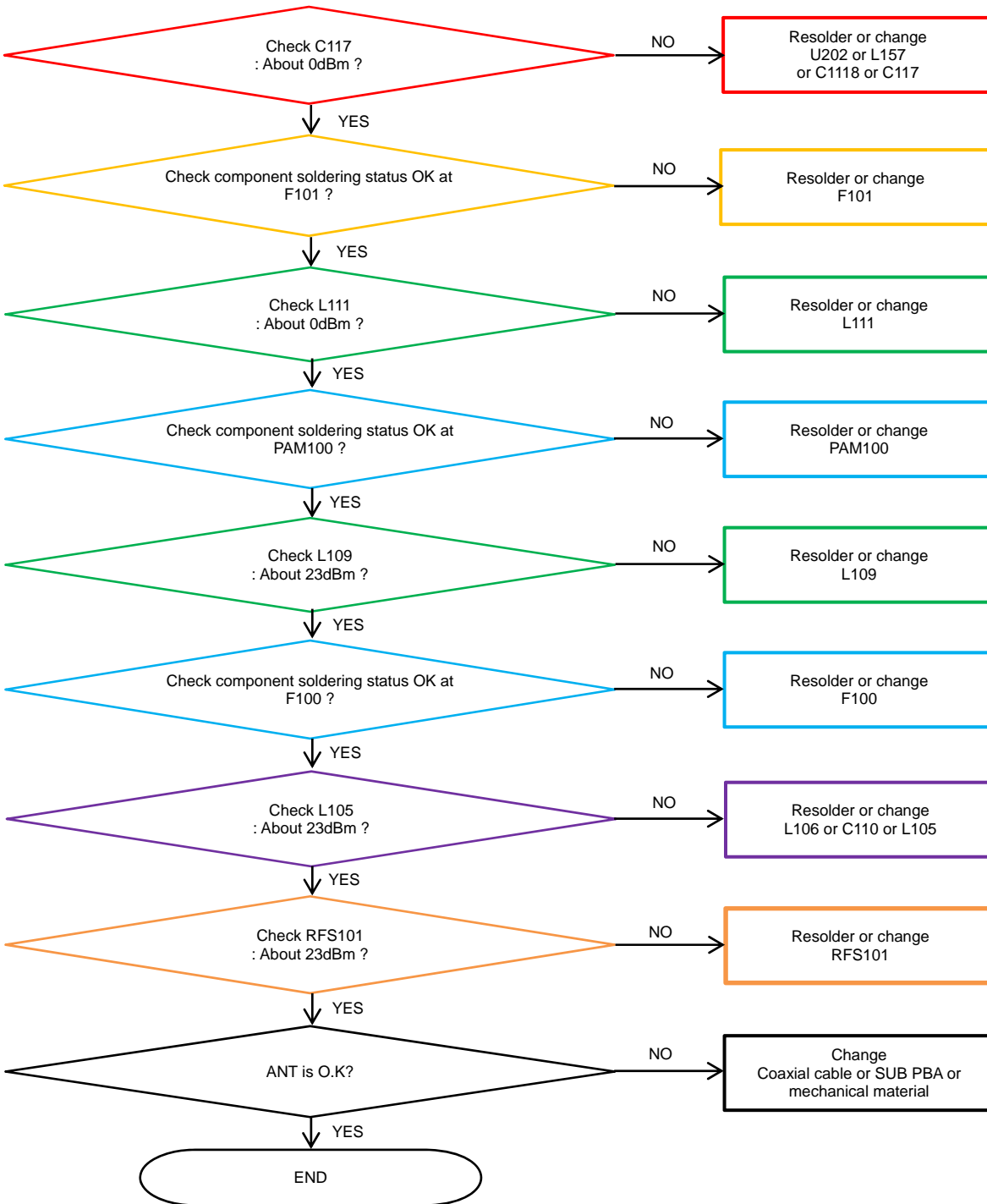
8. Level 3 Repair

8-4-37. WCDMA B5/8, LTE B5/8/12/17/18/19/20/26/28 Tx



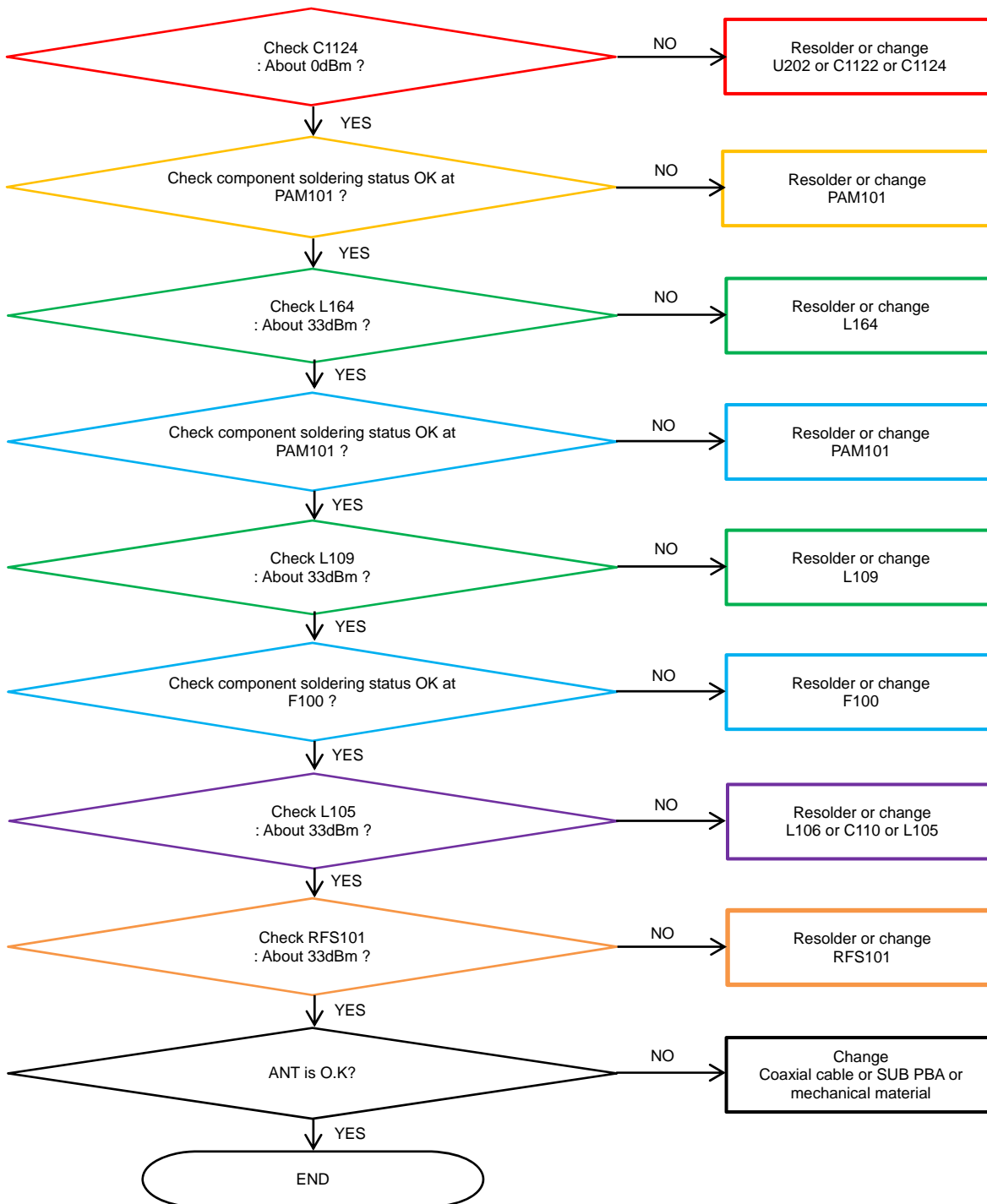
8. Level 3 Repair

8-4-38. LTE B13 Tx



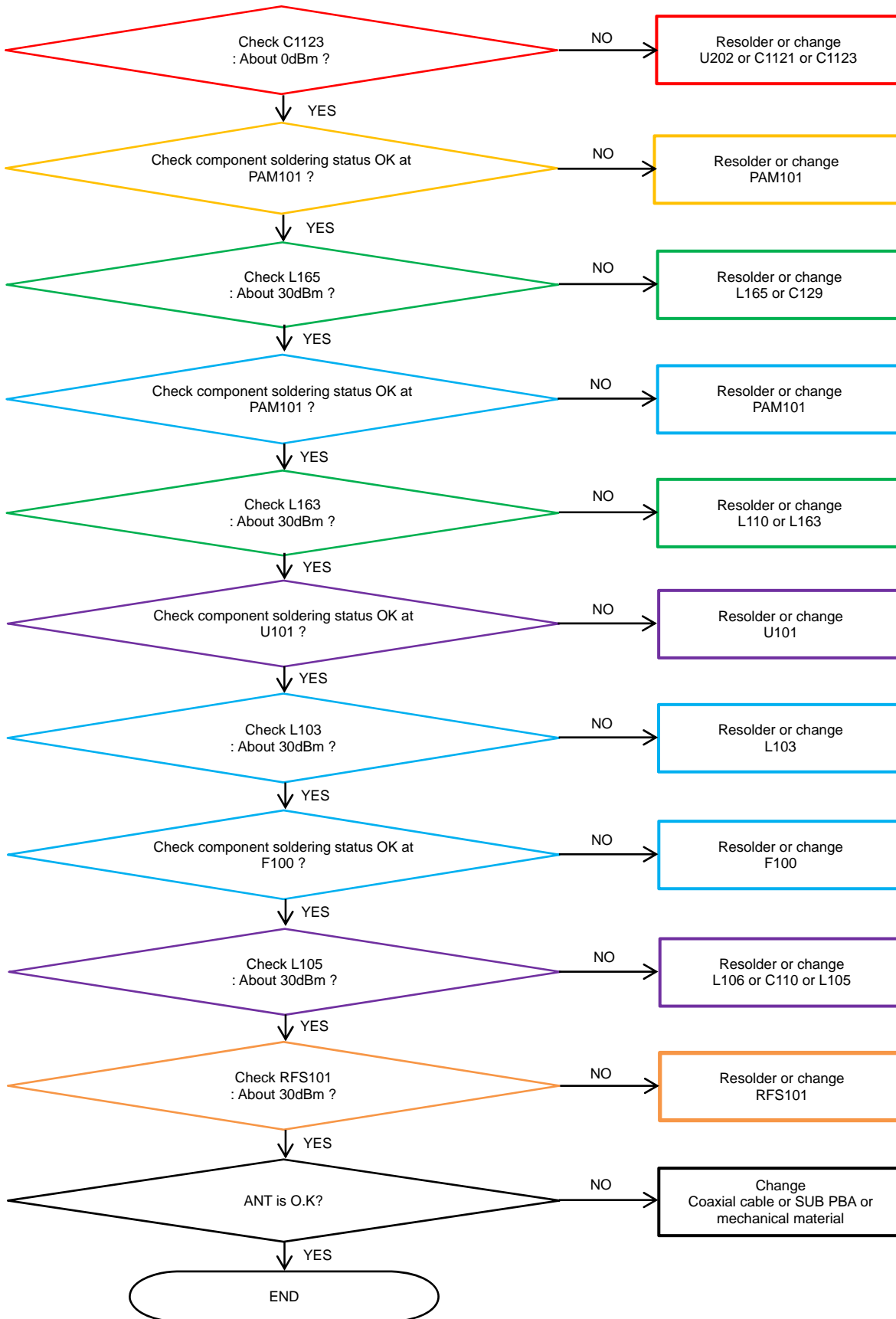
8. Level 3 Repair

8-4-39. GSM 850/900 Tx



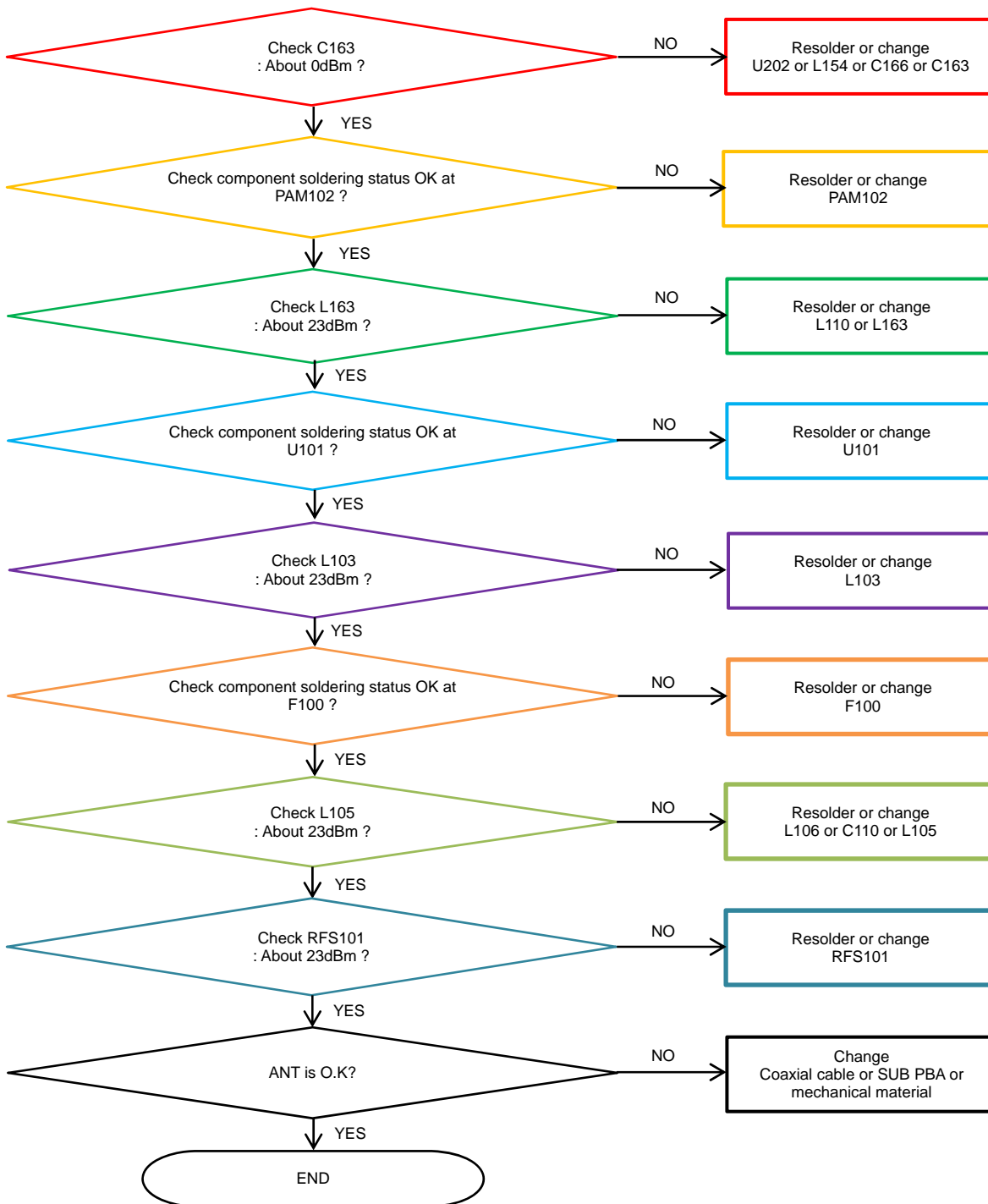
8. Level 3 Repair

8-4-40. GSM 1800/1900 Tx



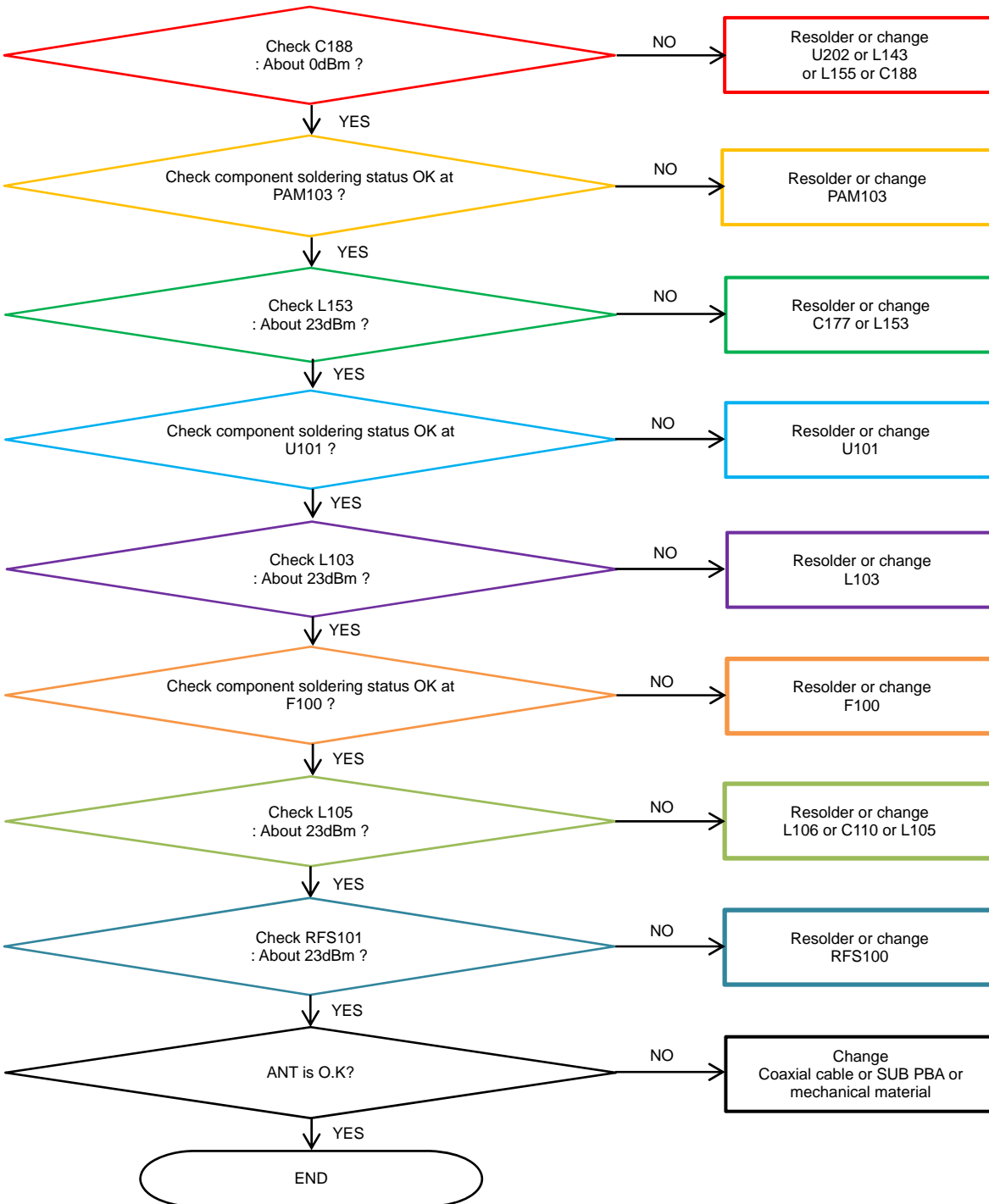
8. Level 3 Repair

8-4-41. WCDMA B1/2/4, TD-SCDMA B34/39, LTE B1/2/3/4/25/39 Tx



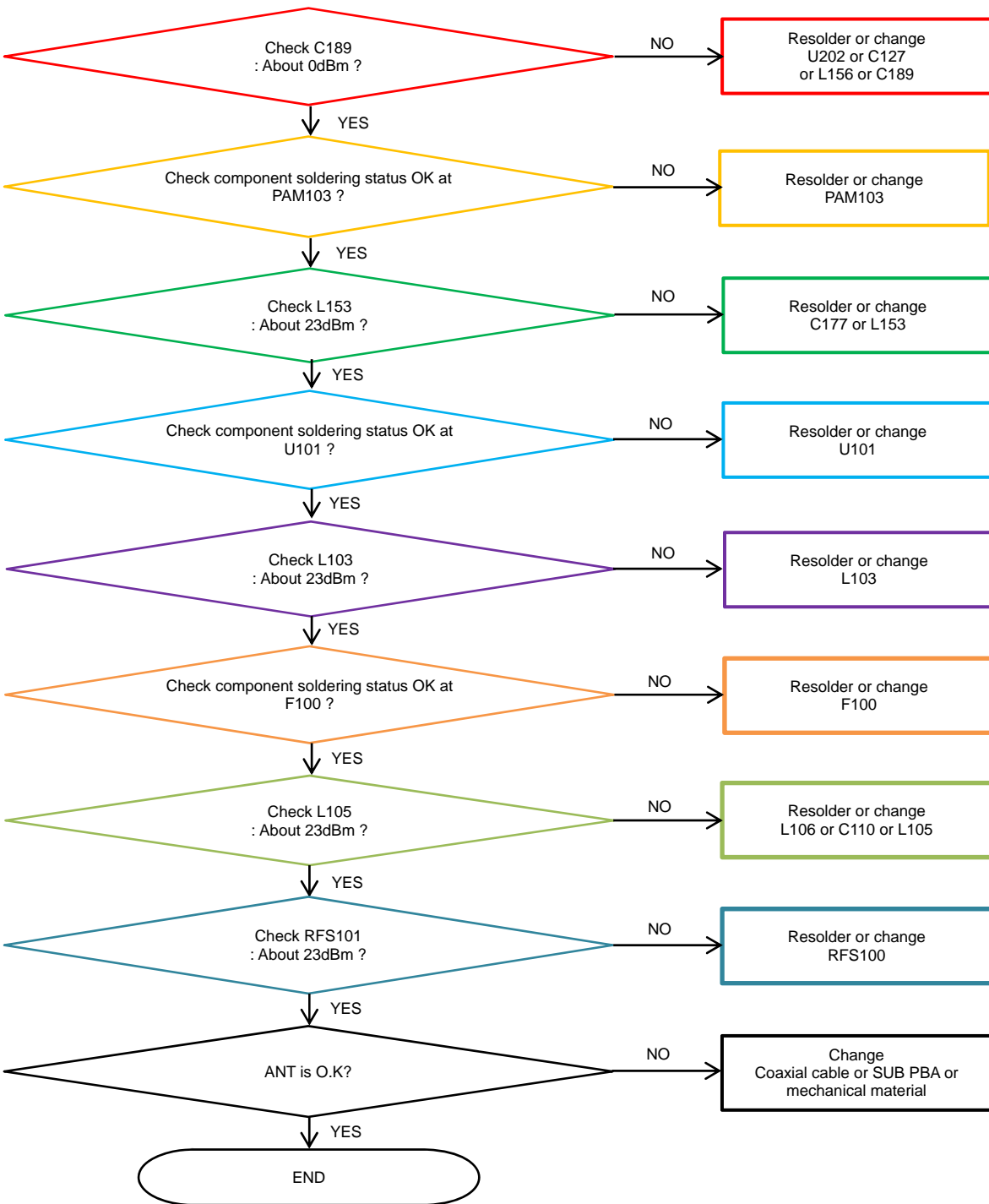
8. Level 3 Repair

8-4-42. LTE B7 Tx



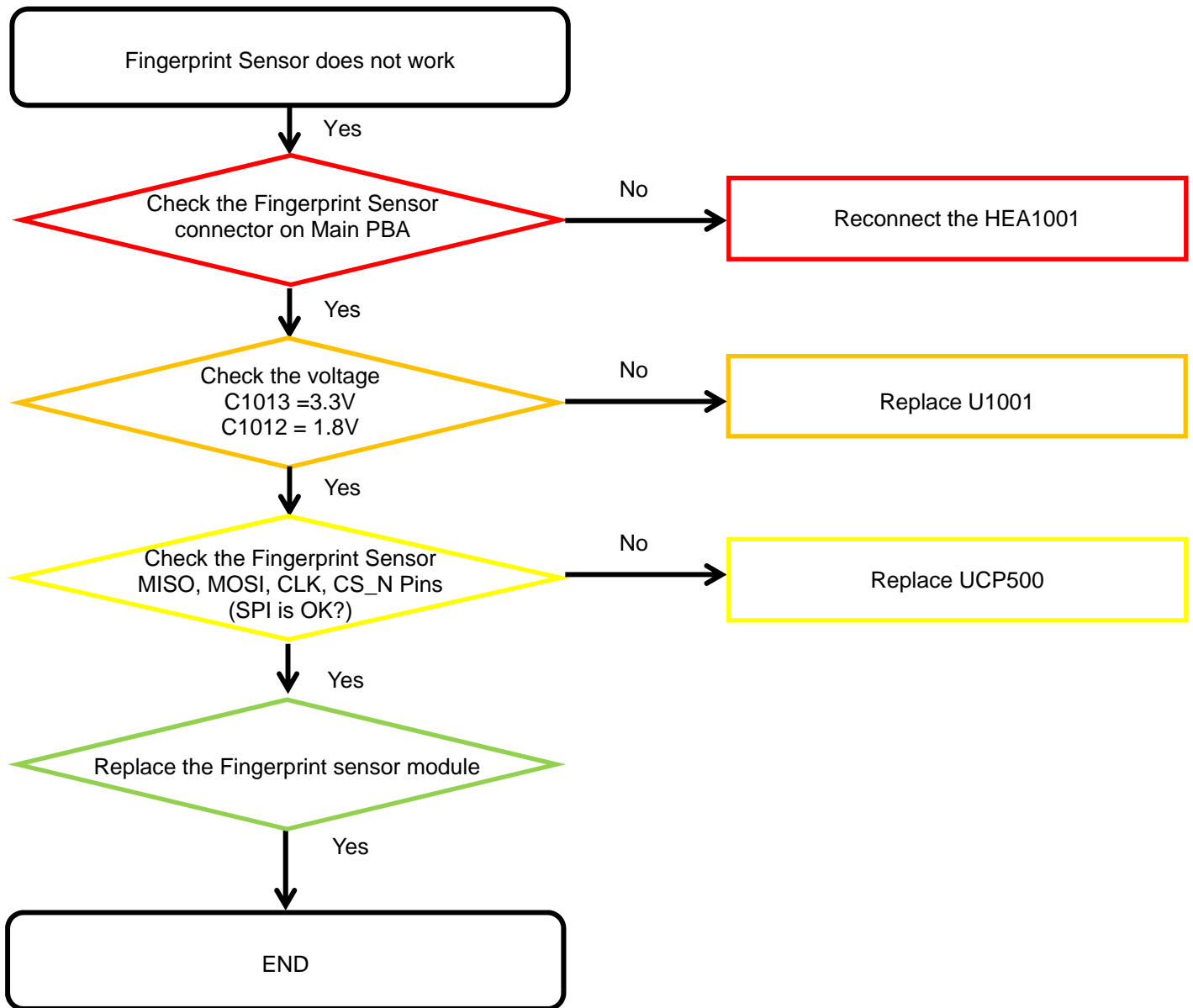
8. Level 3 Repair

8-4-43. LTE B38/40/41 Tx



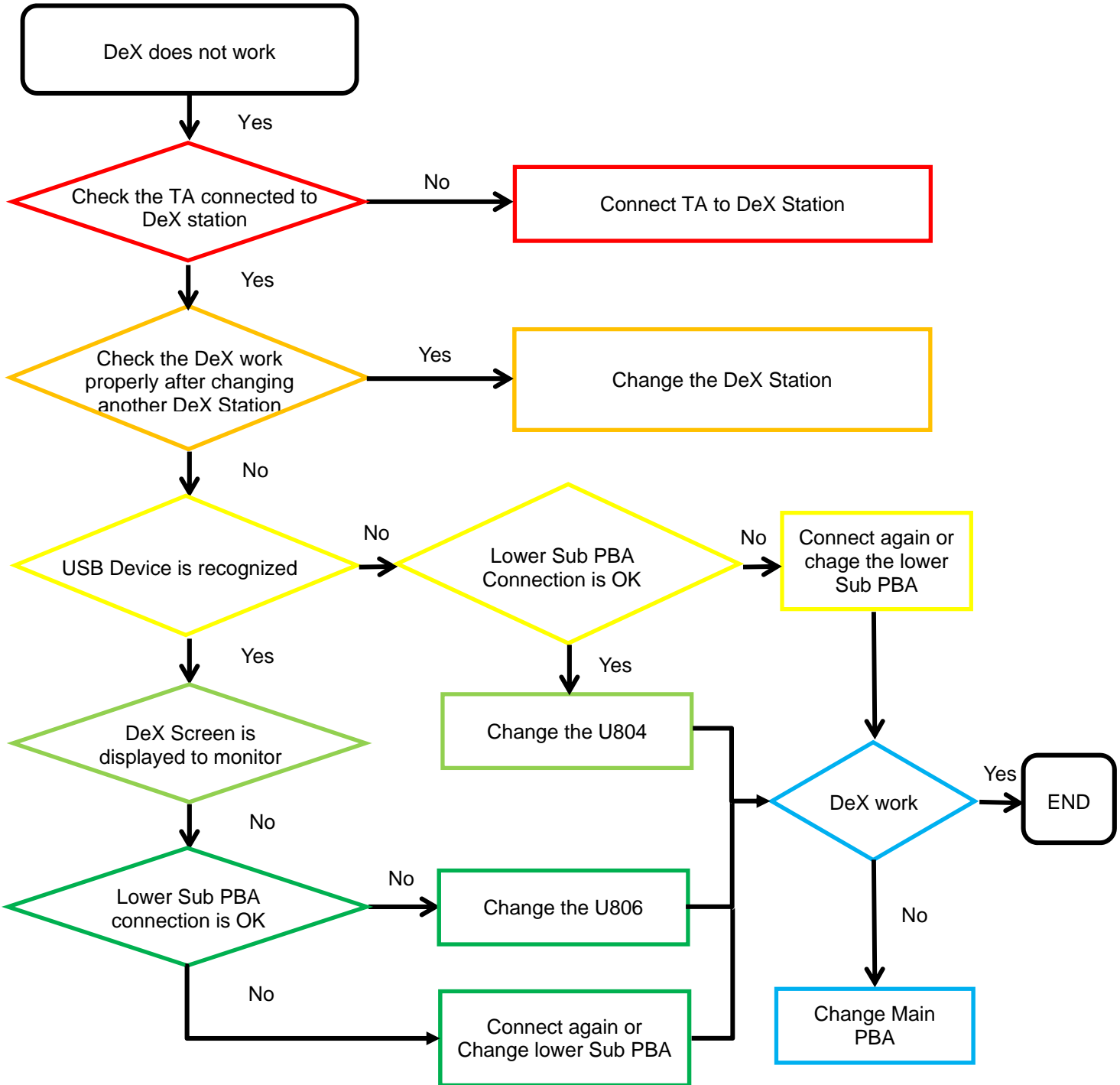
8. Level 3 Repair

8-4-44. Fingerprint Sensor



8. Level 3 Repair

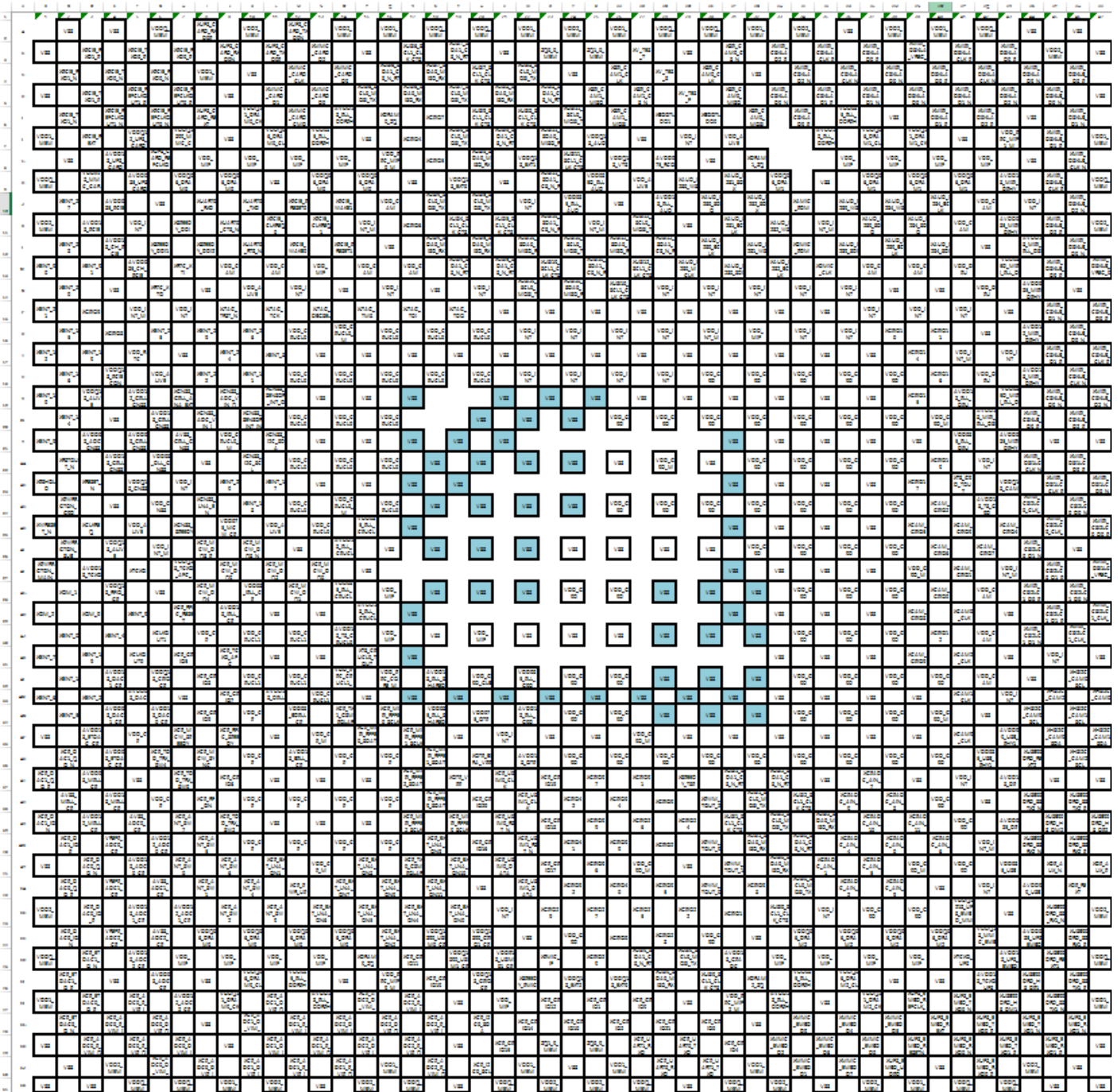
8-4-45. DeX Station



8. Level 3 Repair

8-5. Service Schematics

- NC Point(Top View)



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