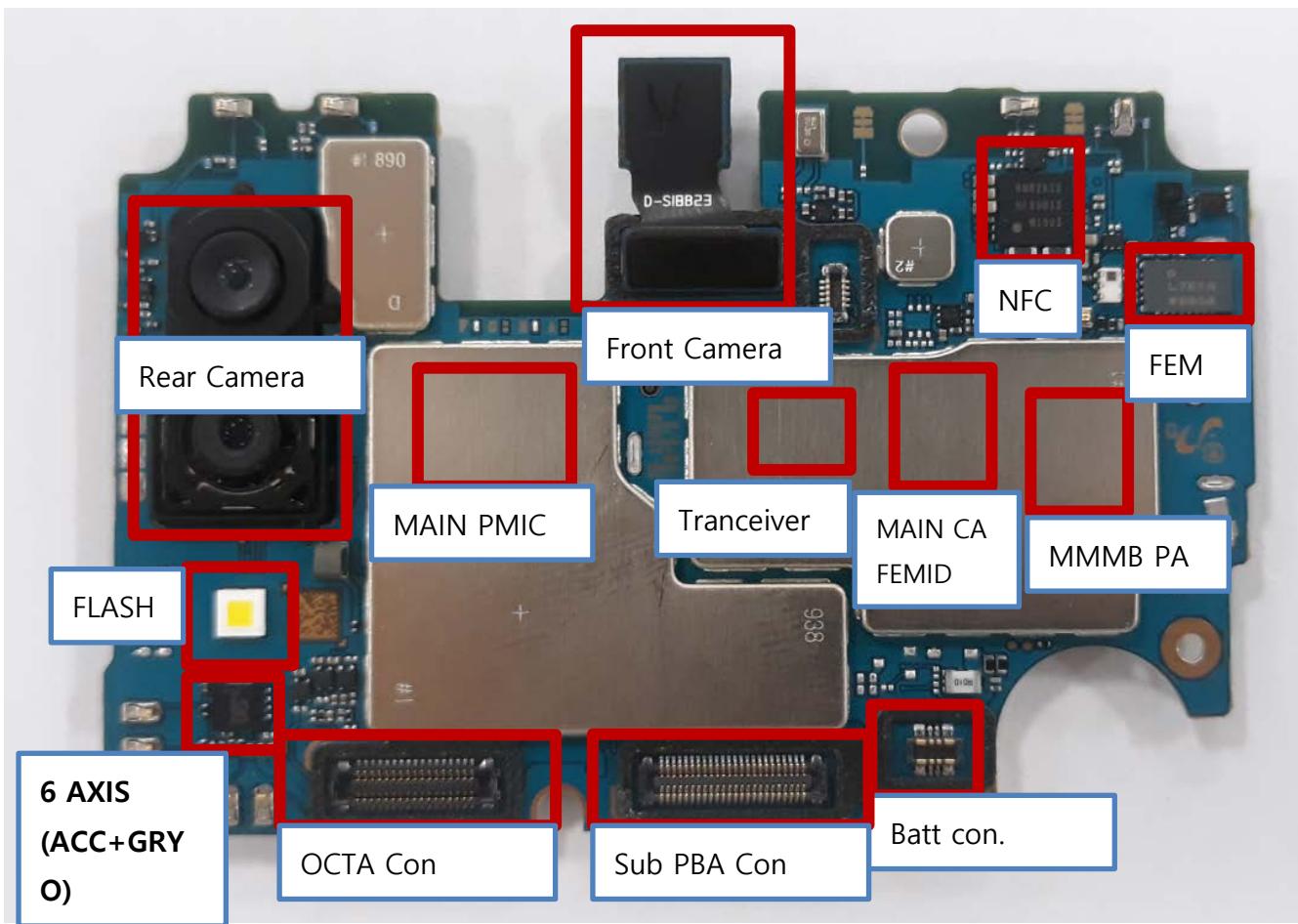
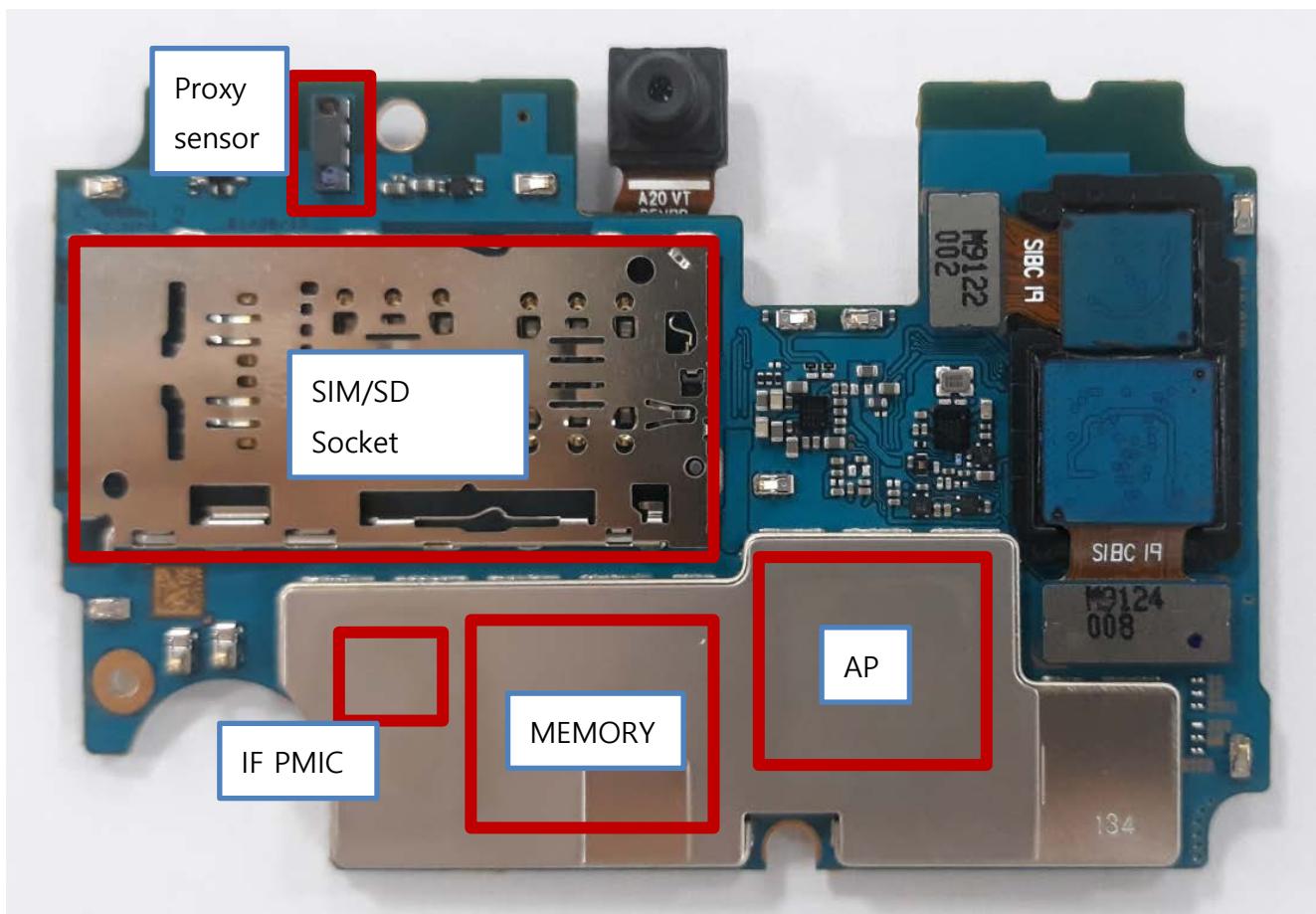


8. Level 3 Repair

8-1. Components Layout



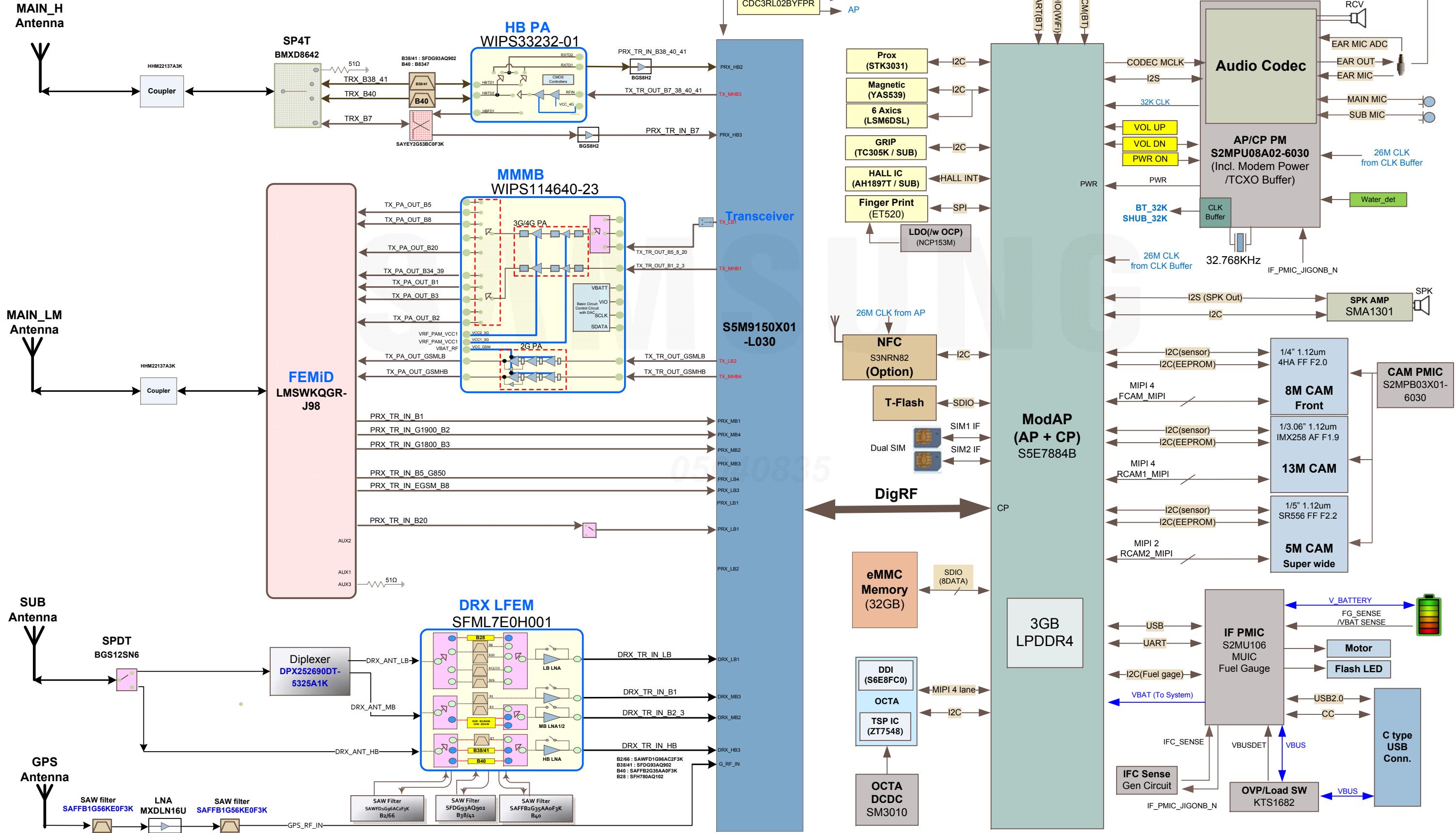
8. Level 3 Repair



A205FN Block Diagram

[지 원 빙 드]
 2G: GSM900/DCS/PCS/GSM850
 3G: B1/B2/B5/B8
 4G_FDD: B1/B3/B5/B7/B20
 4G_TDD: B38/B40/B41

Confidential



SM-A205FN

U3016

SIM3

SIM4UP

SIM1

SIM2

SM-A205FN

U3016

SIM3

SIM4UP

SIM1

SIM2

• • • JTAG4000 • • •

U5001

L5011

CN6002

RNT2083

RNT2082

RNT5026S

BH6002

U5001

L5011

CN6002

RNT2083

RNT2082

RNT5026S

BH6002

UME5000

ZD5081

ZD5082

ZD5083

ZD5084

ZD5085

ZD5086

ZD5087

ZD5088

ZD5089

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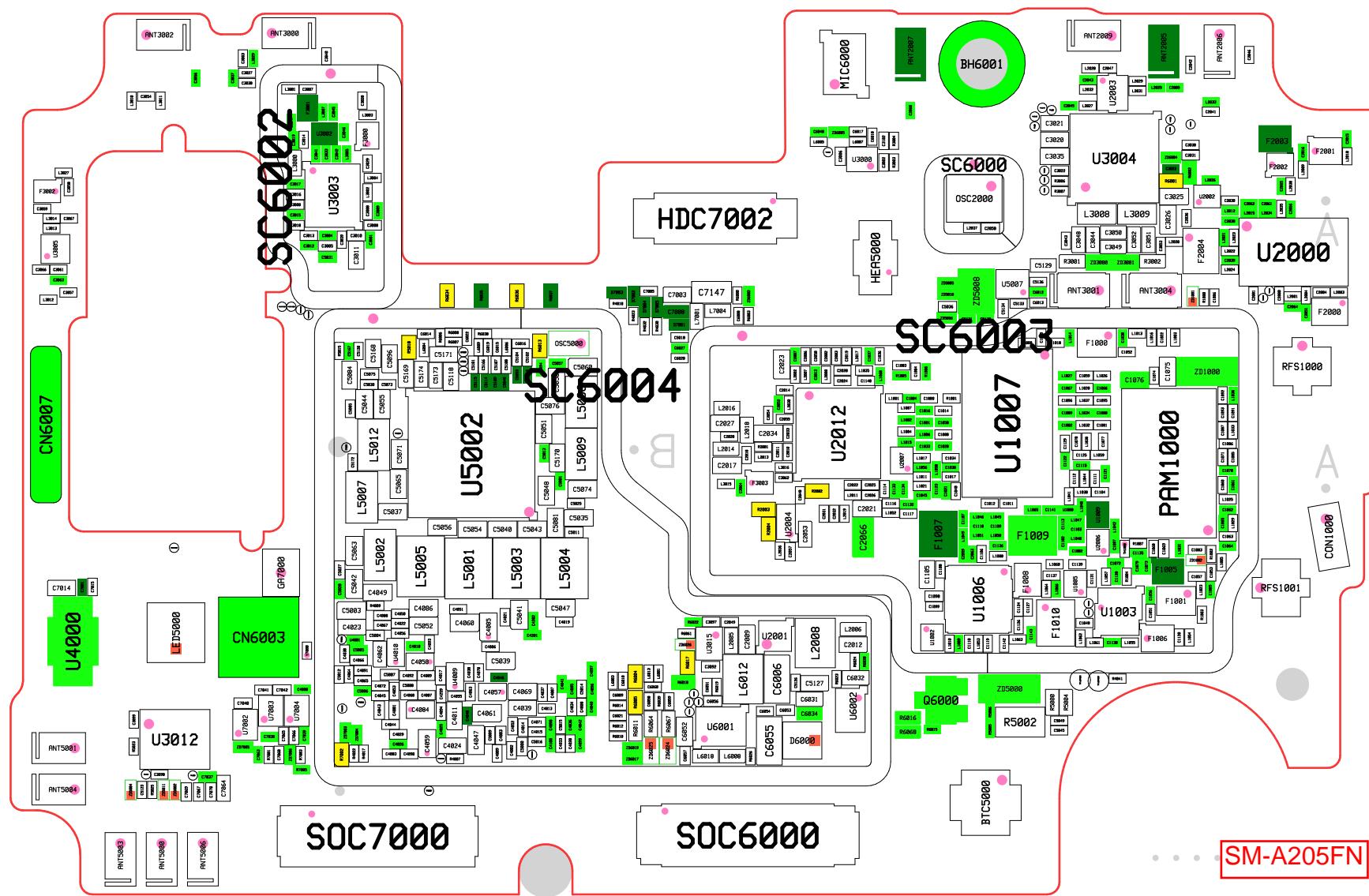
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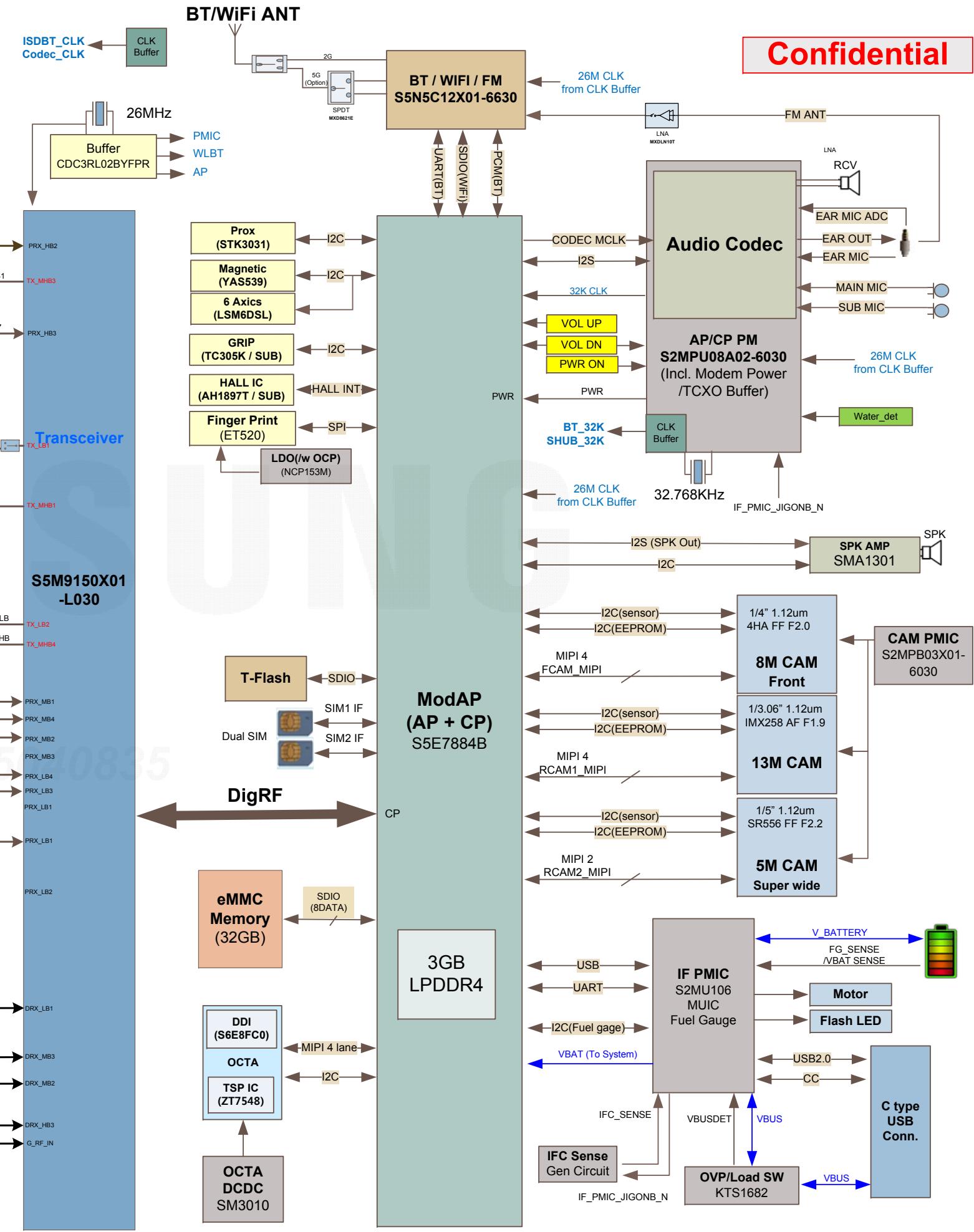
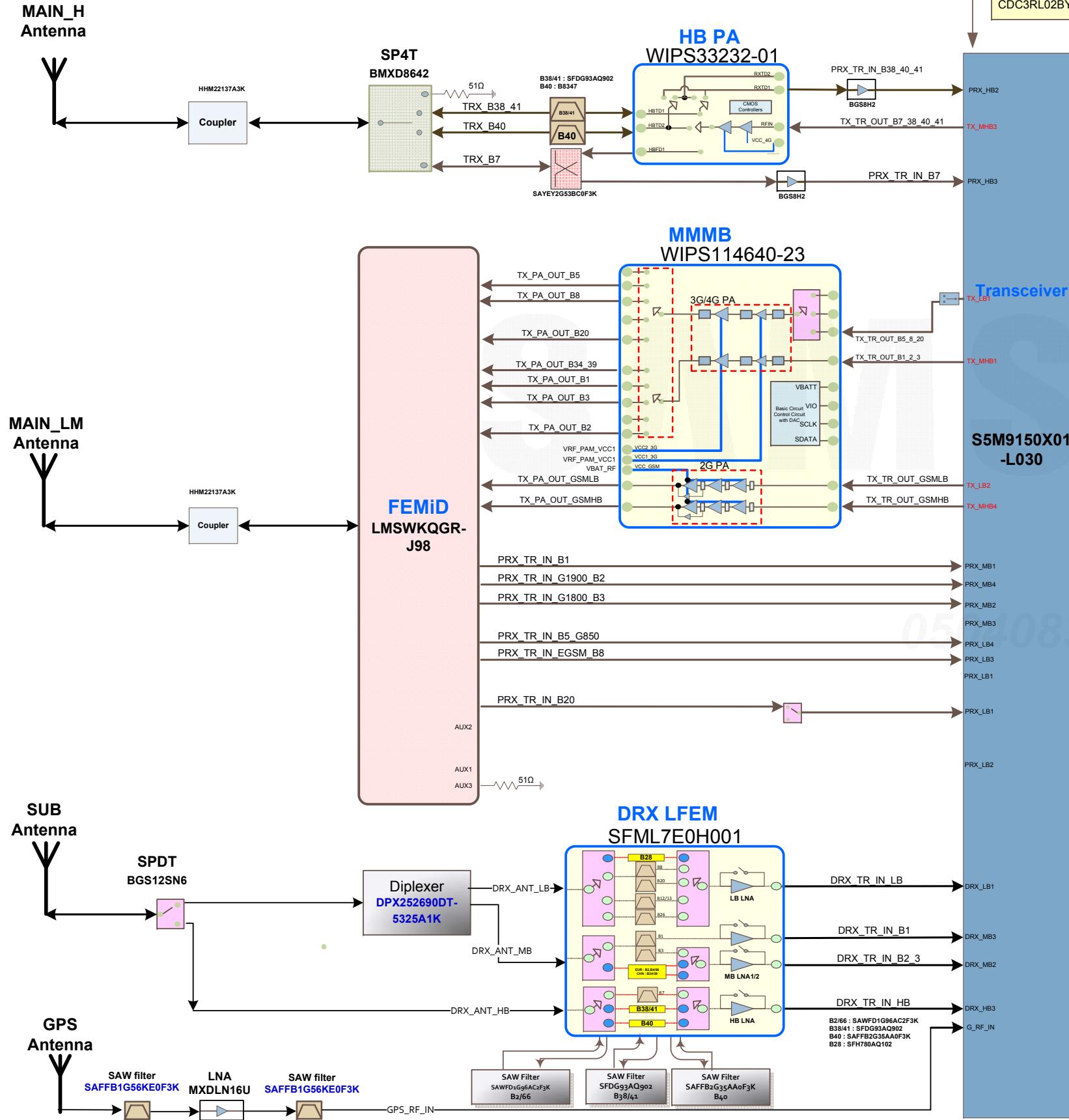
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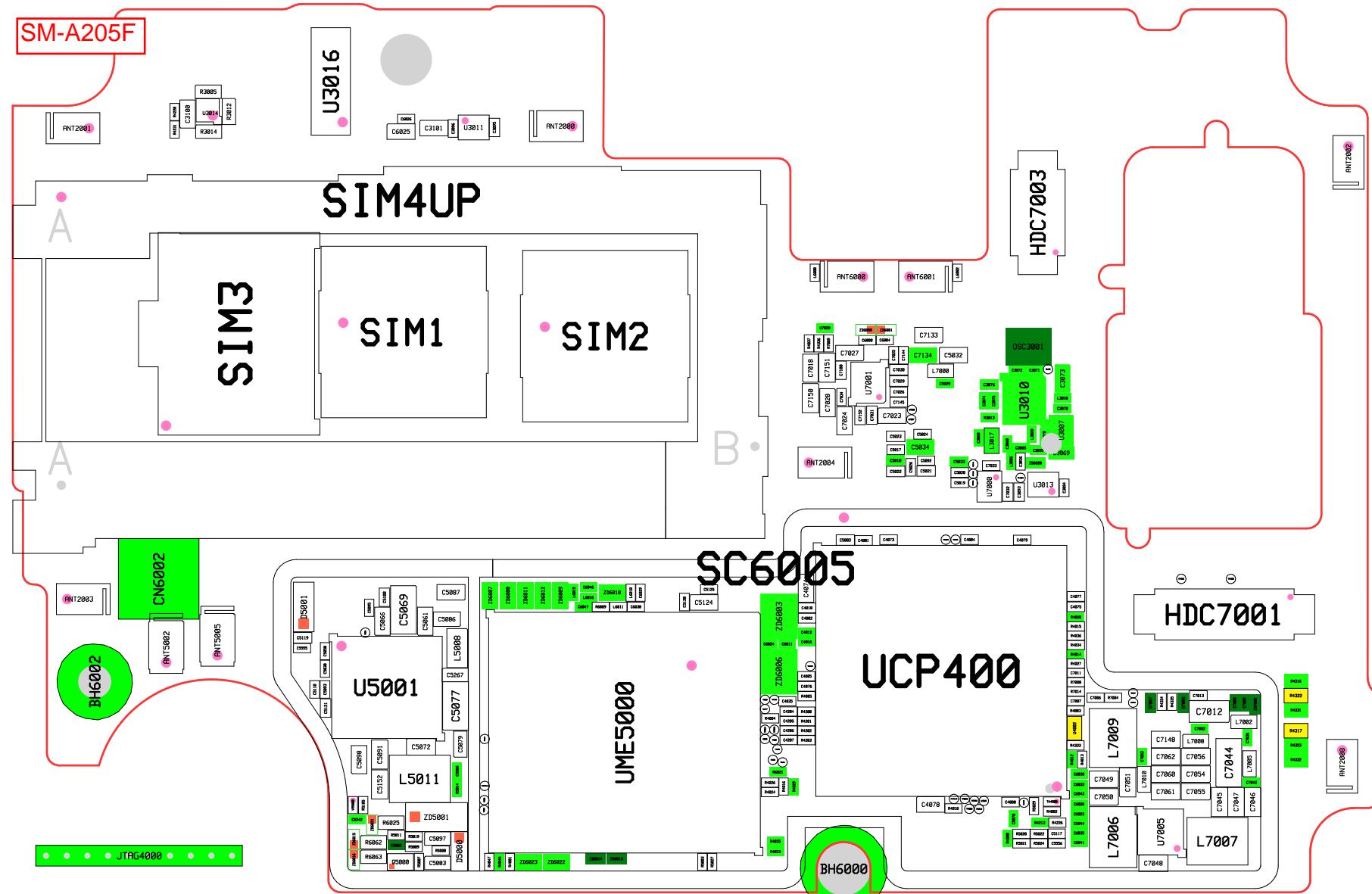


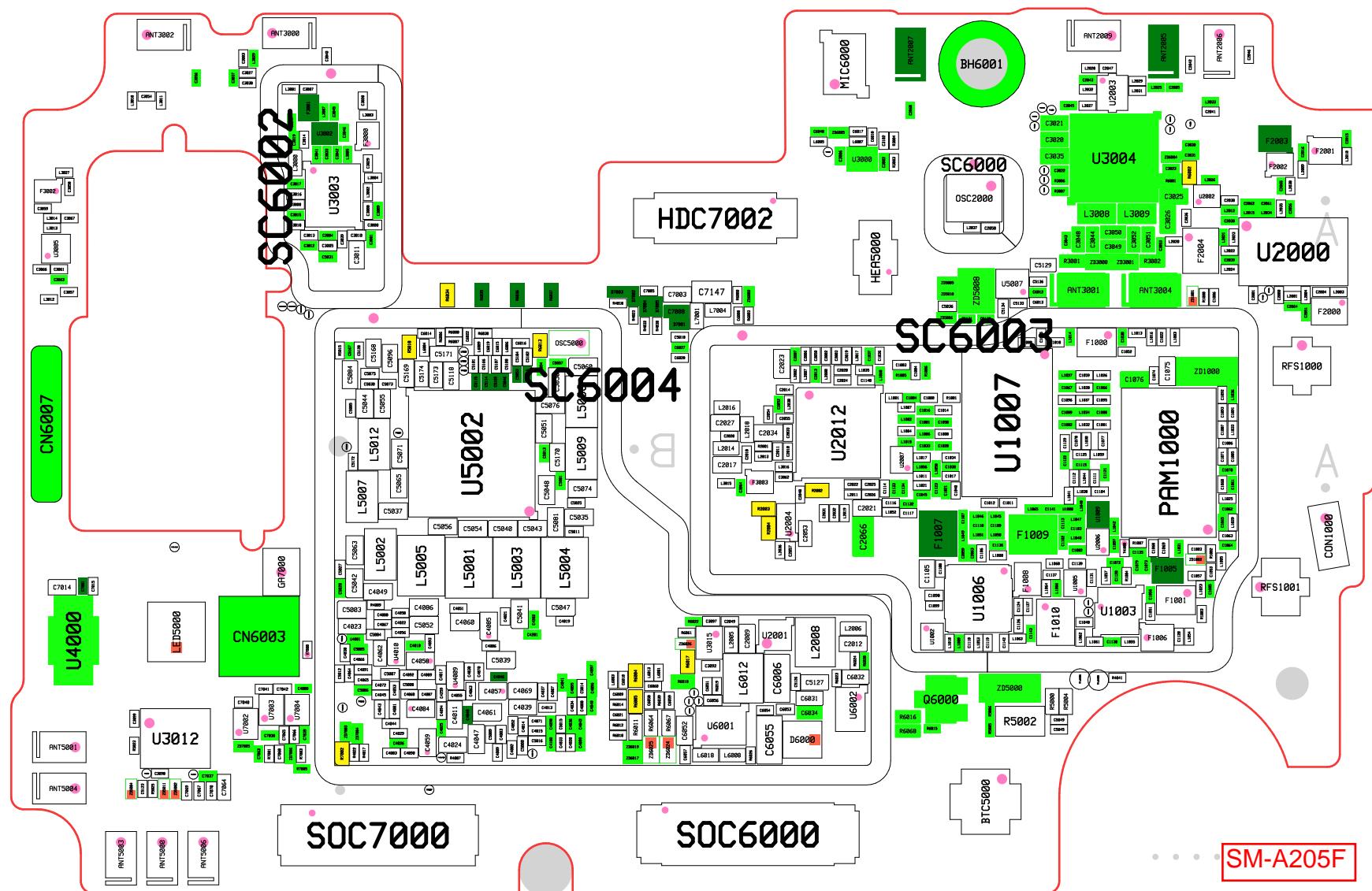
A205F Block Diagram

[지 원 빙 드]
 2G: GSM900/DCS/PCS/GSM850
 3G: B1/B2/B5/B8
 4G_FDD: B1/B3/B5/B7/B20
 4G_TDD: B38/B40/B41

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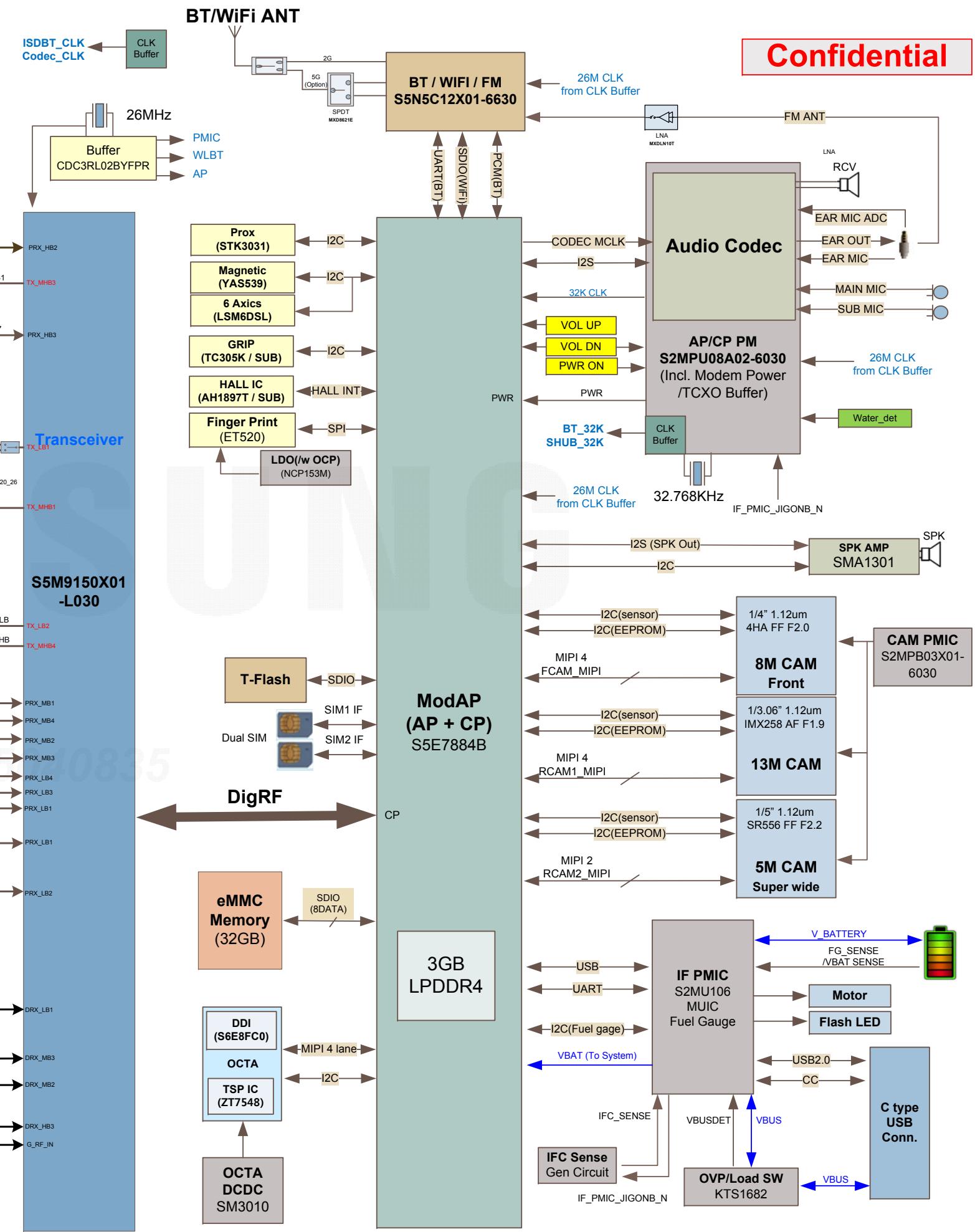
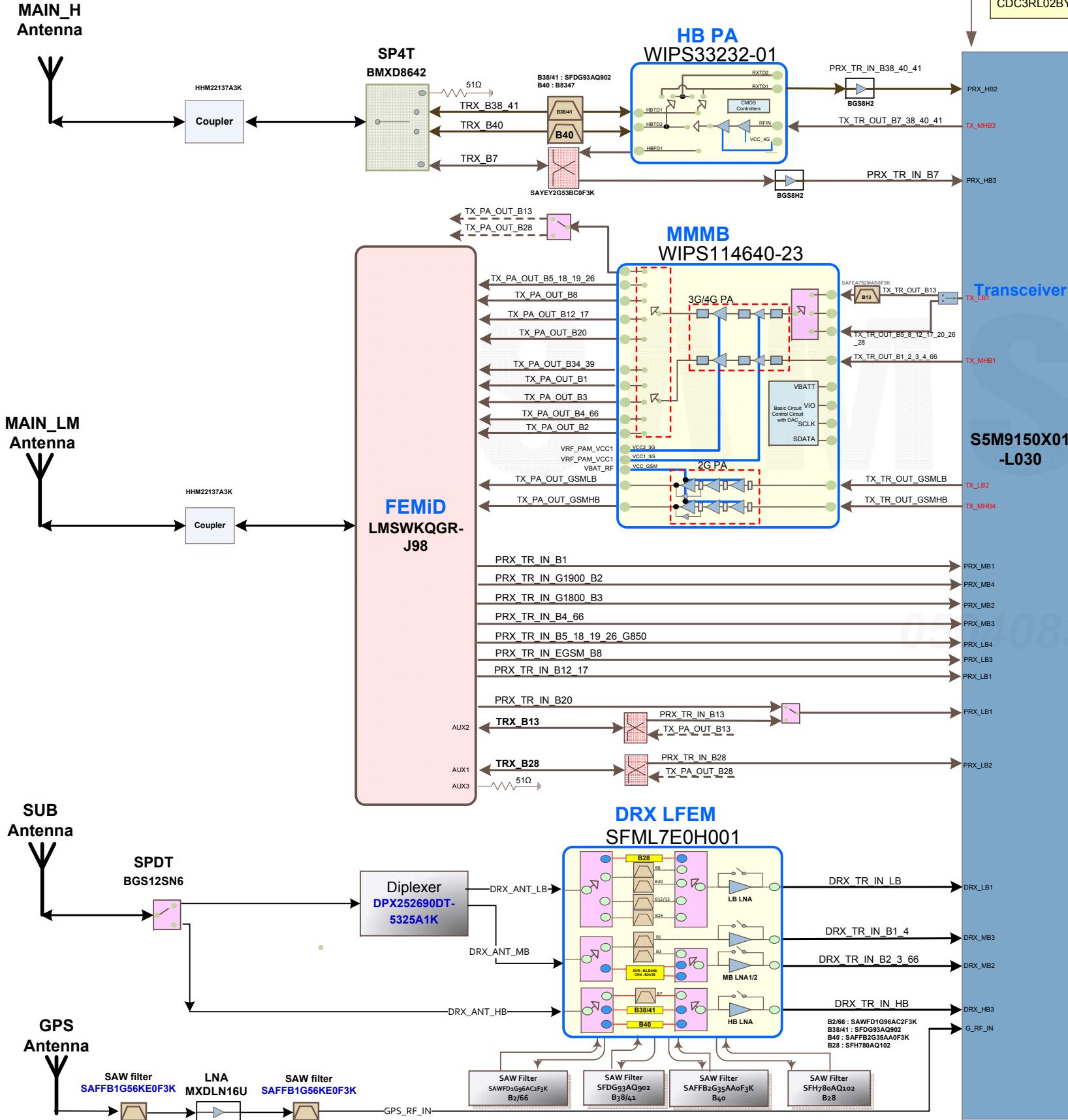




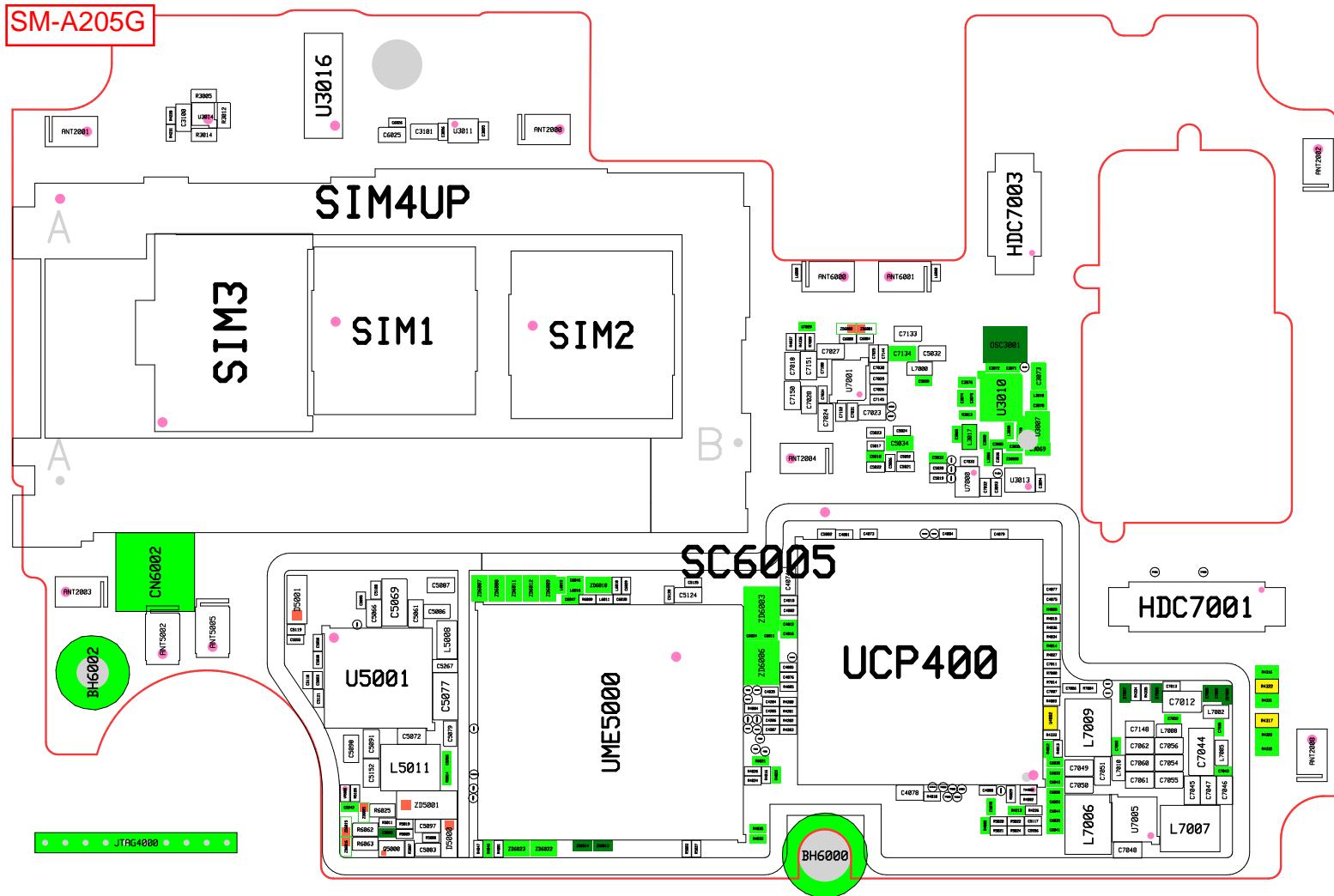


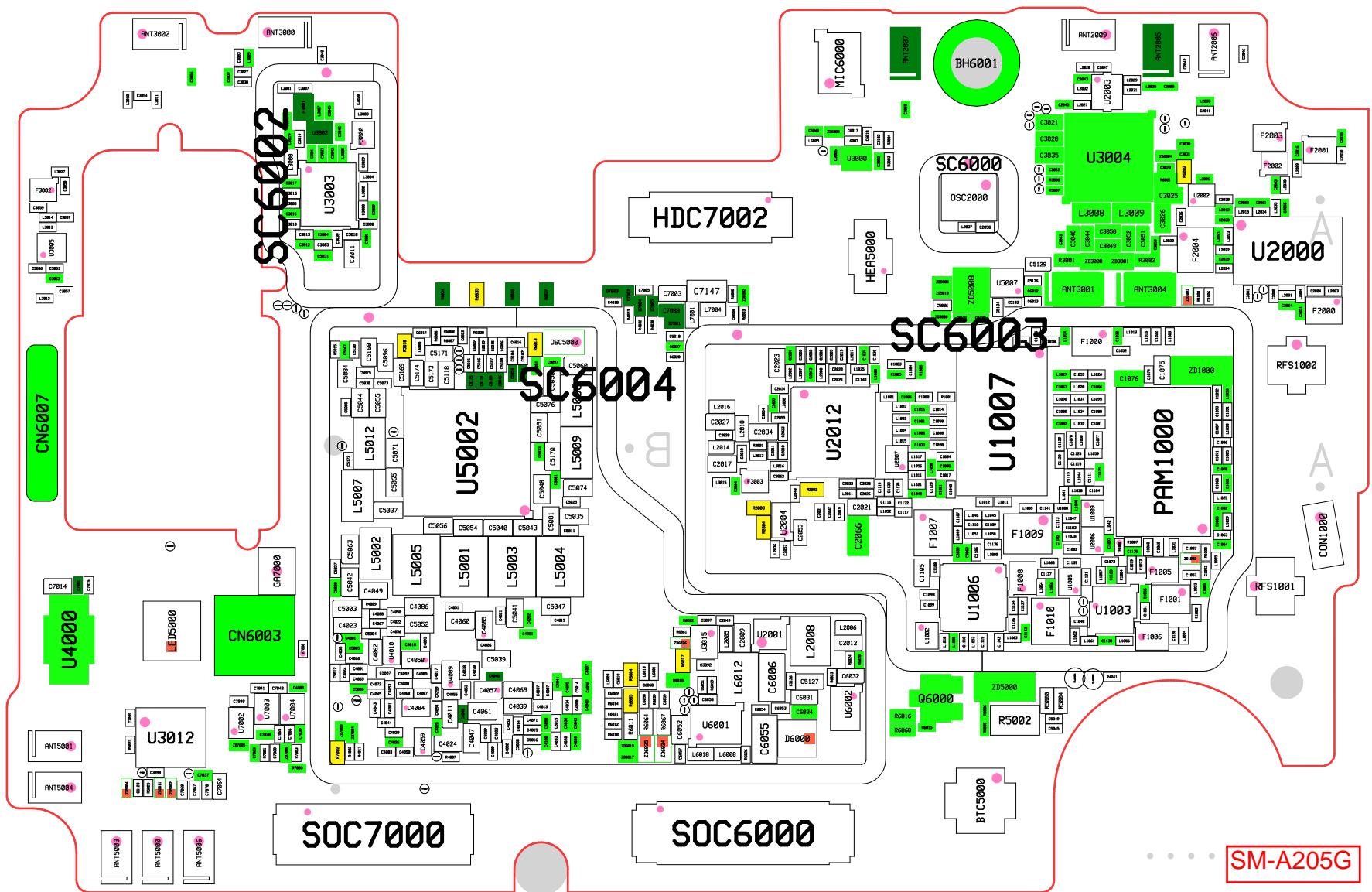
A205G Block Diagram(Global)

[시군단드]
2G:GSM900/DCS/PCS/GSM850
3G:B1/B2/B4/B5/B8
4G_FDD:B1/B2/B3/B4/B5/B7/B8/B12
/B13/B17/B20/B28/B66
4G TDD:B38/B40/B41



Confidential

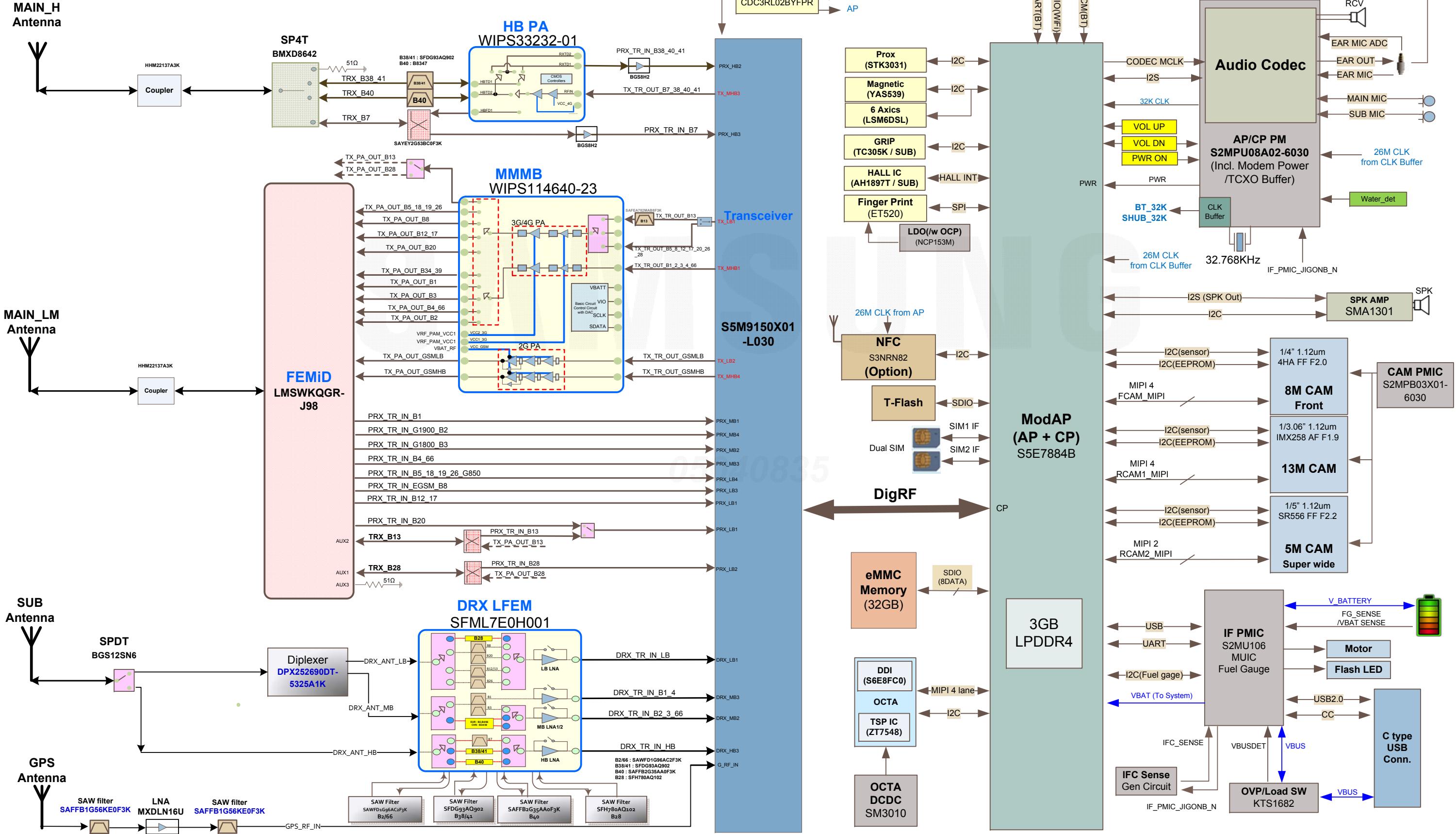




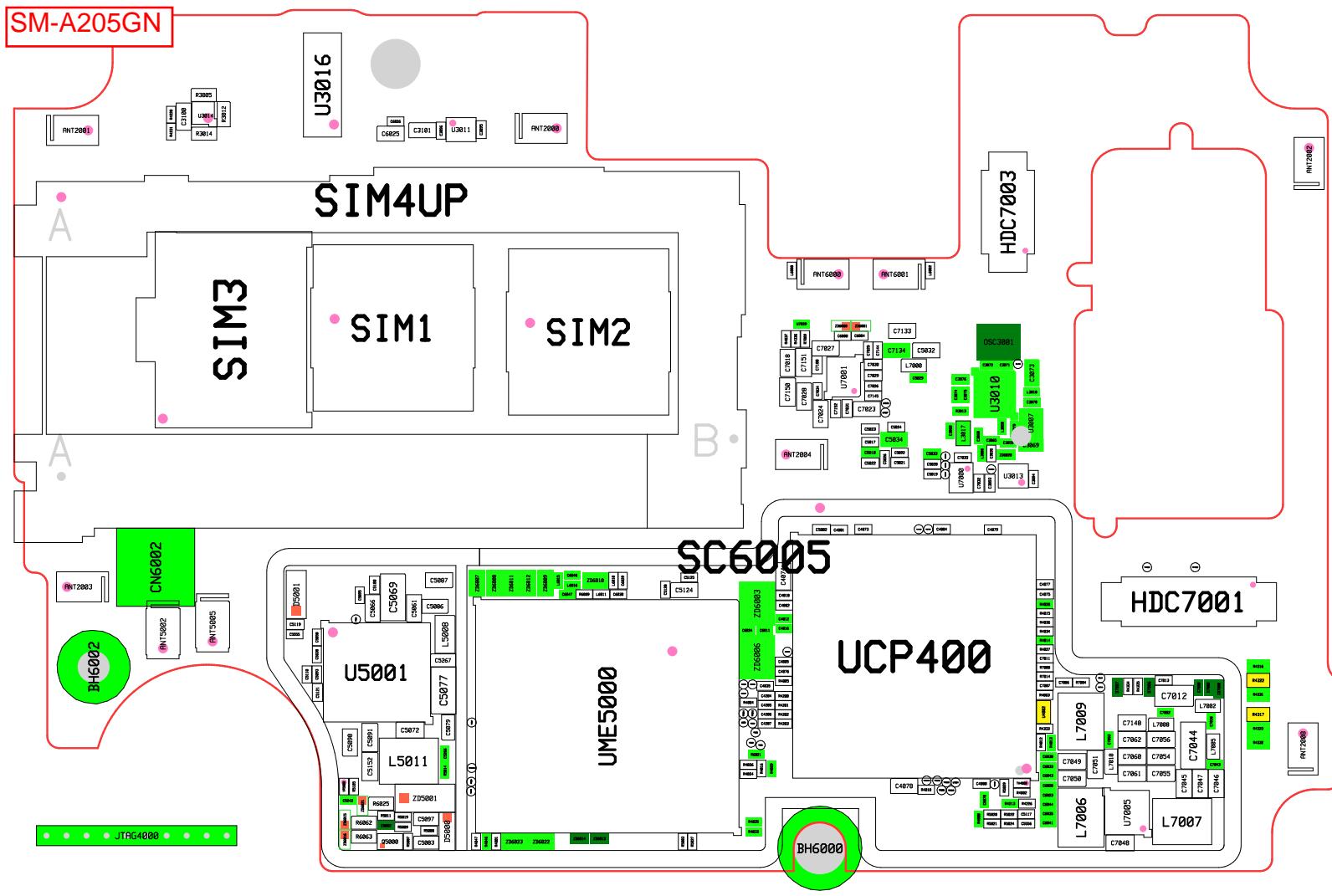
SM-A205G

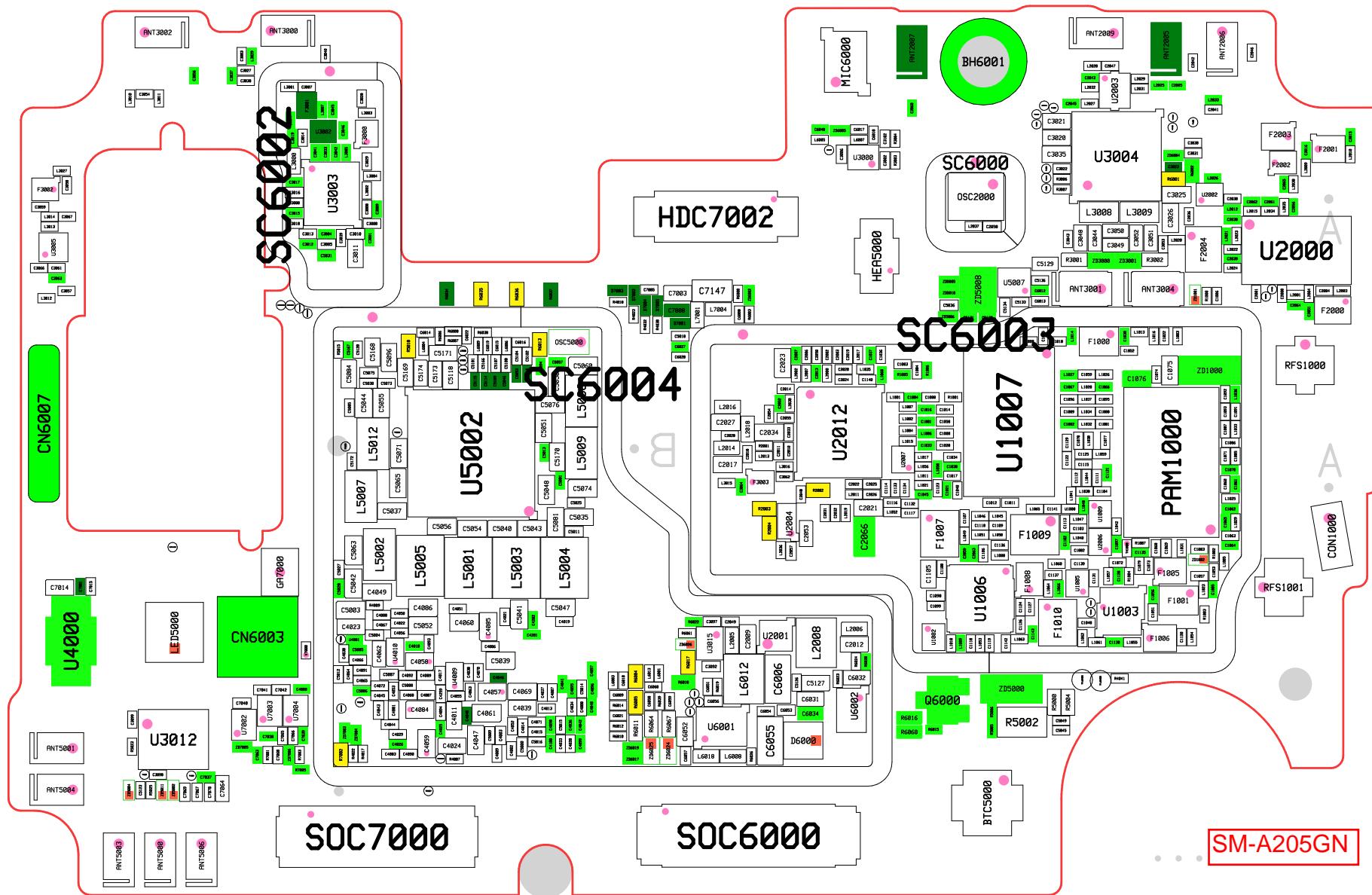
A20GN Block Diagram(Global)

[시원핸드]
2G:GSM900/DCS/PCS/GSM850
3G:B1/B2/B4/B5/B8
4G_FDD:B1/B2/B3/B4/B5/B7/B8/B12
/B13/B17/B20/B28/B66
4G TDD:B38/B40/B41



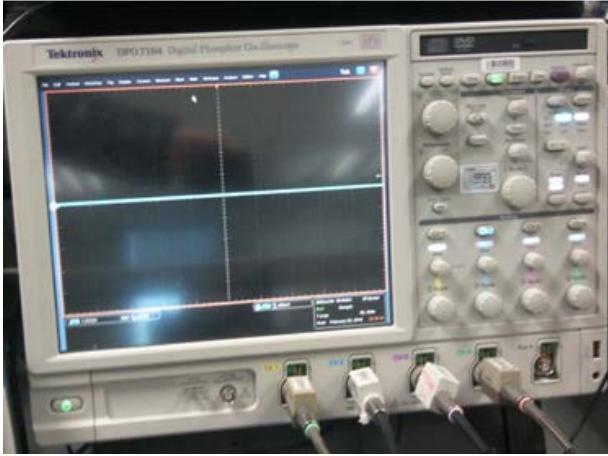
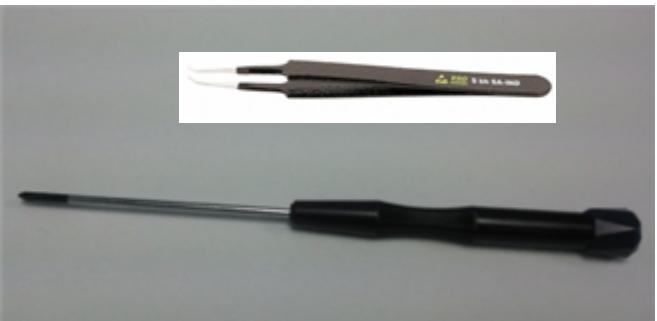
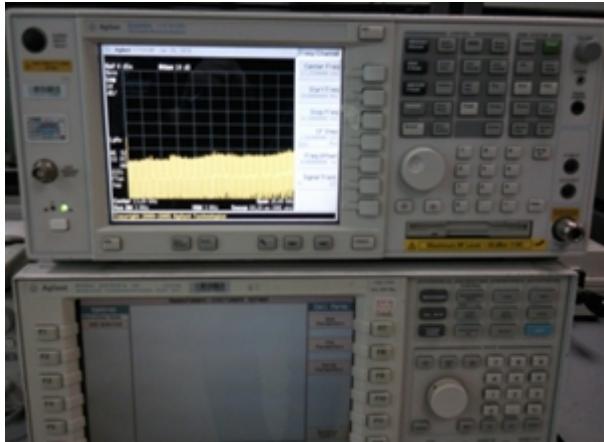
Confidential





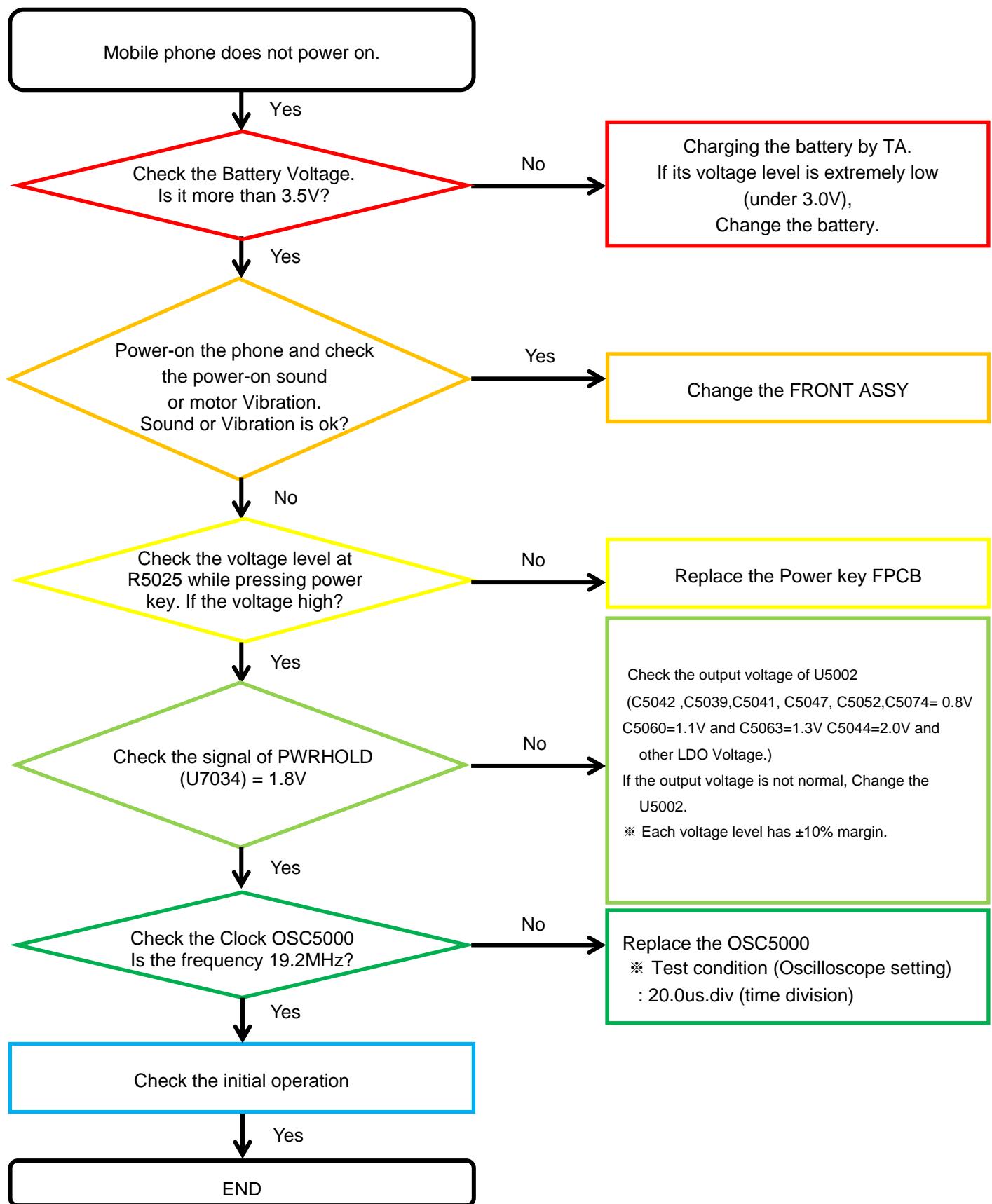
8. Level 3 Repair

8-3. Flow chart of Troubleshooting.

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

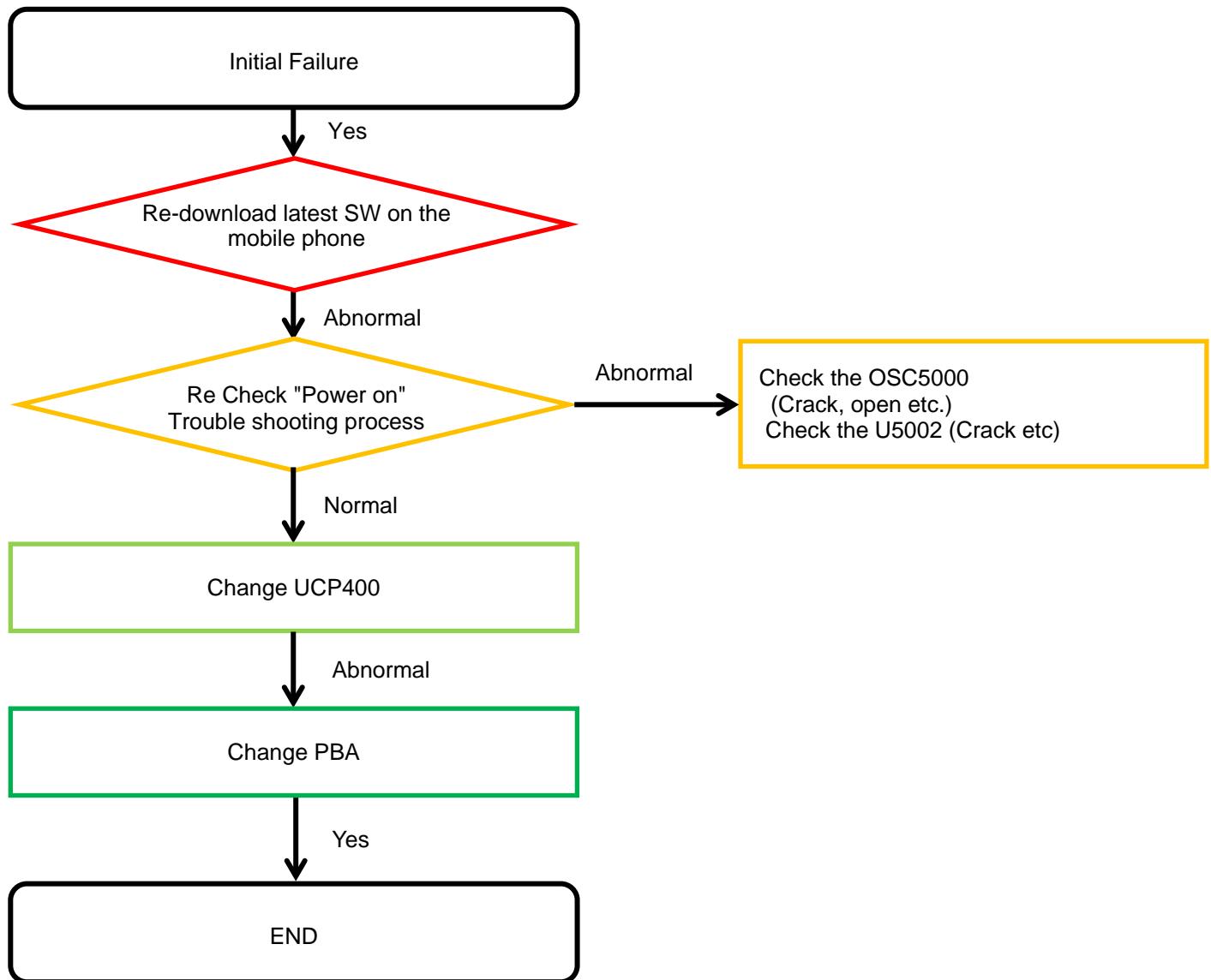
8. Level 3 Repair

8-4-1. Power On



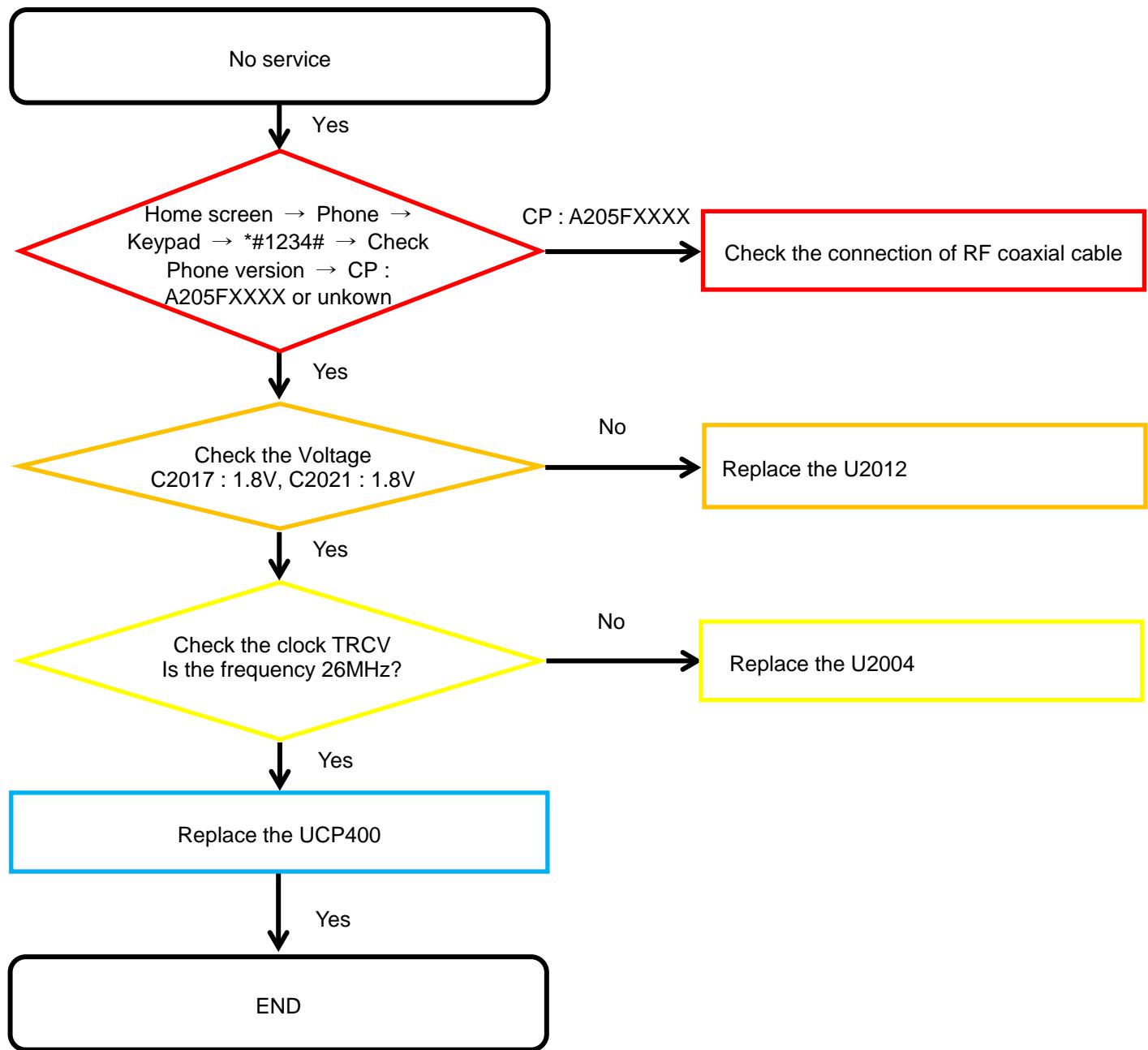
8. Level 3 Repair

8-4-2. Initial



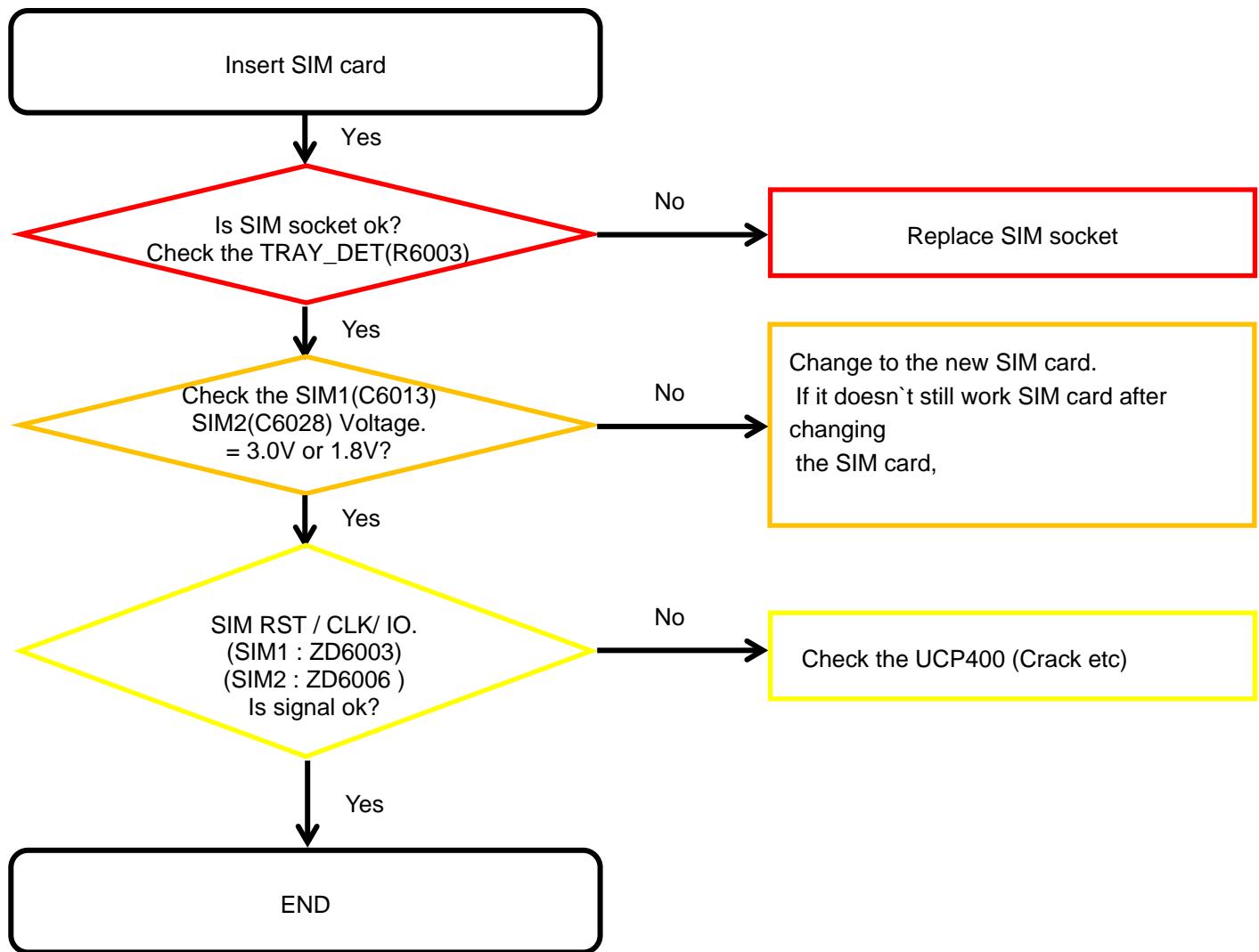
8. Level 3 Repair

8-4-3. No Service



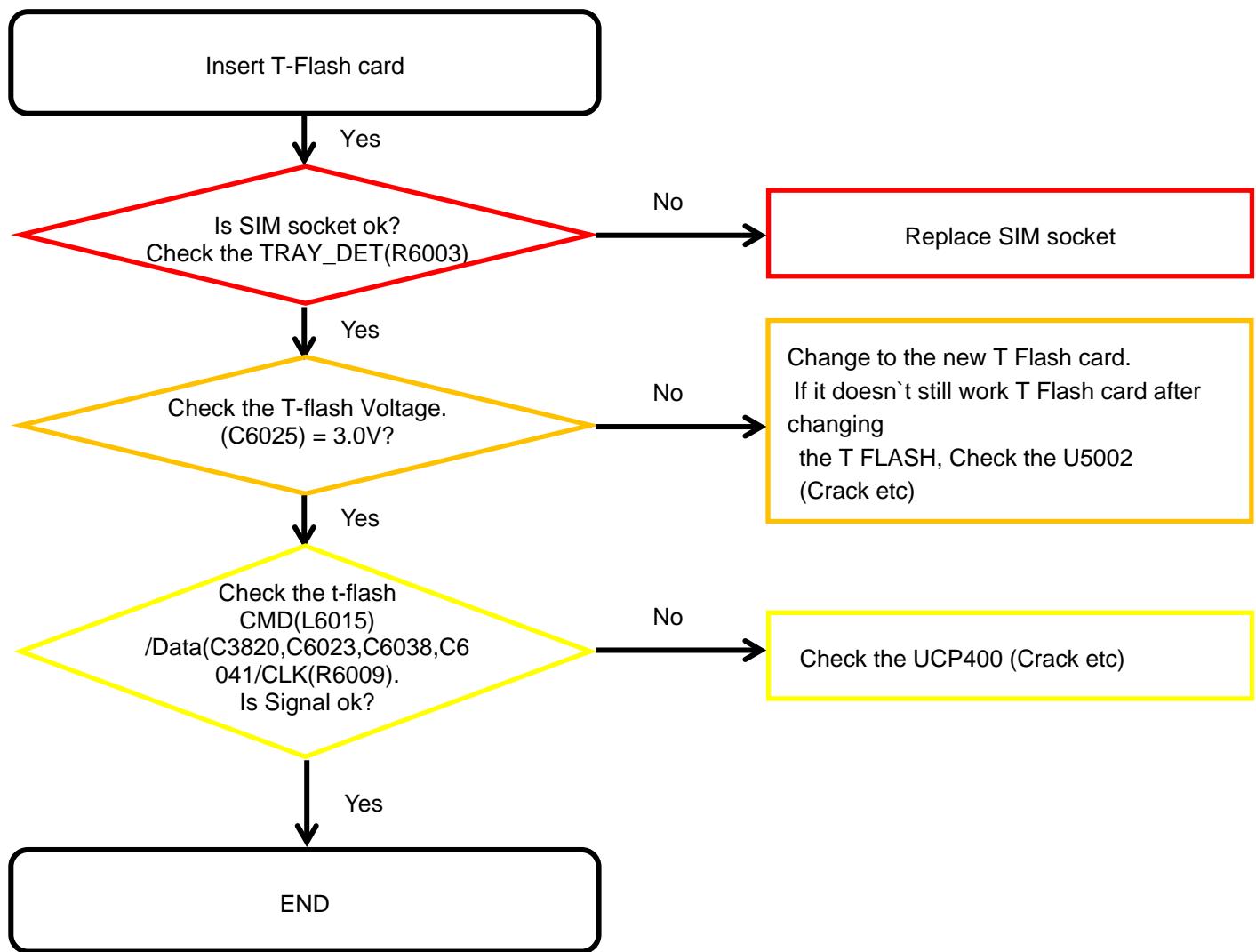
8. Level 3 Repair

8-4-4. SIM Part



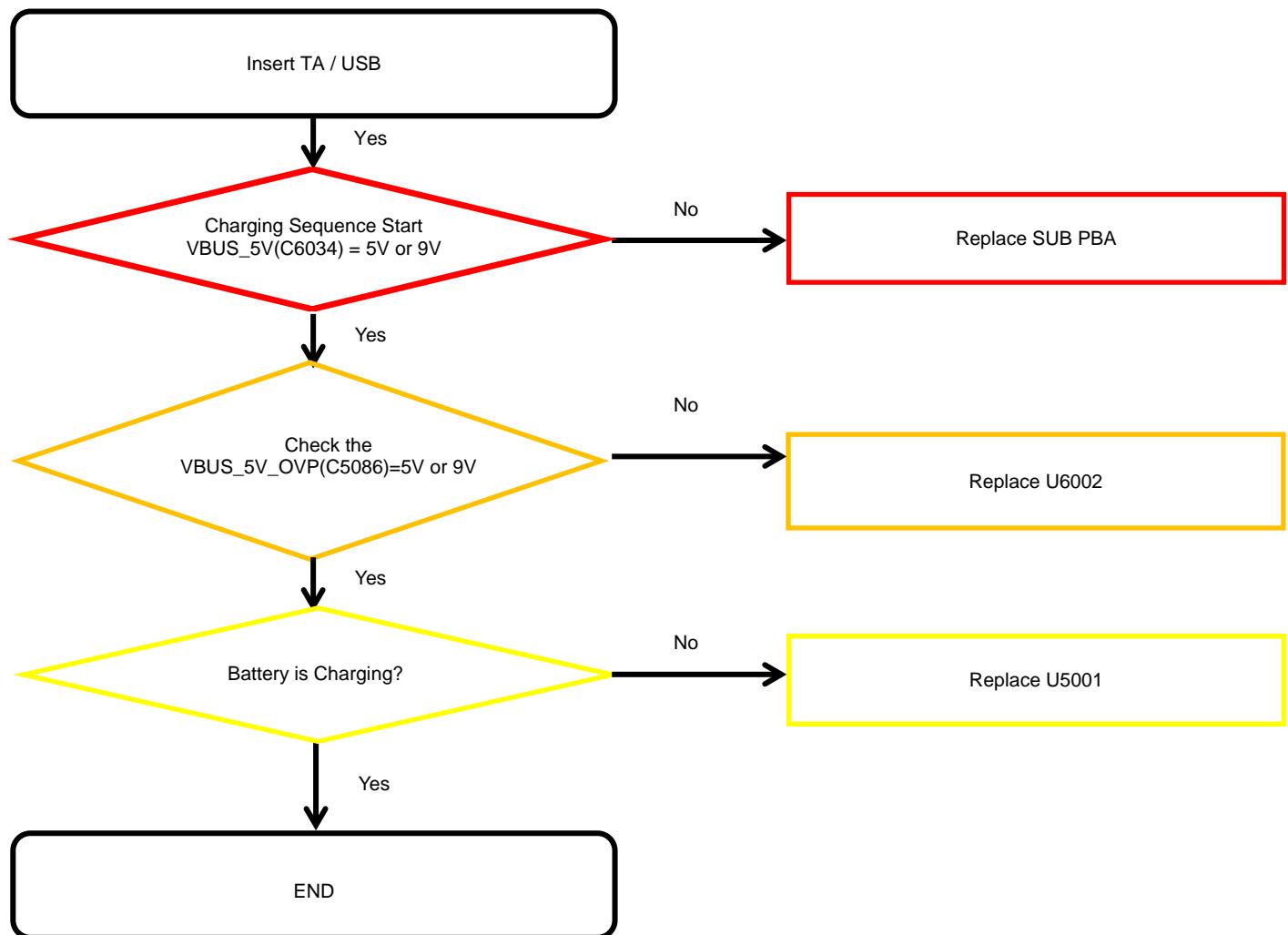
8. Level 3 Repair

8-4-5. T-Flash Part



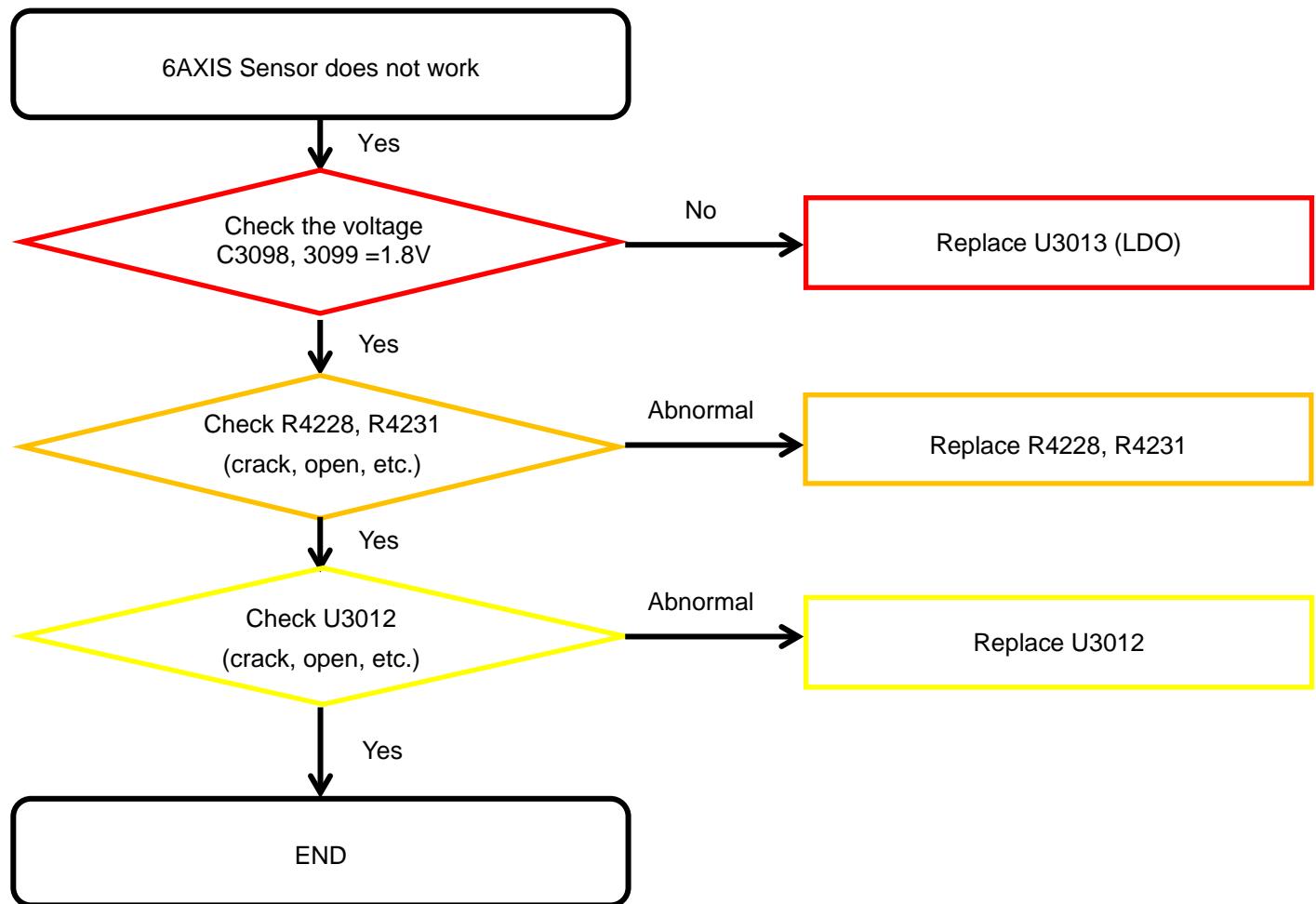
8. Level 3 Repair

8-4-6. Cable Charging Part



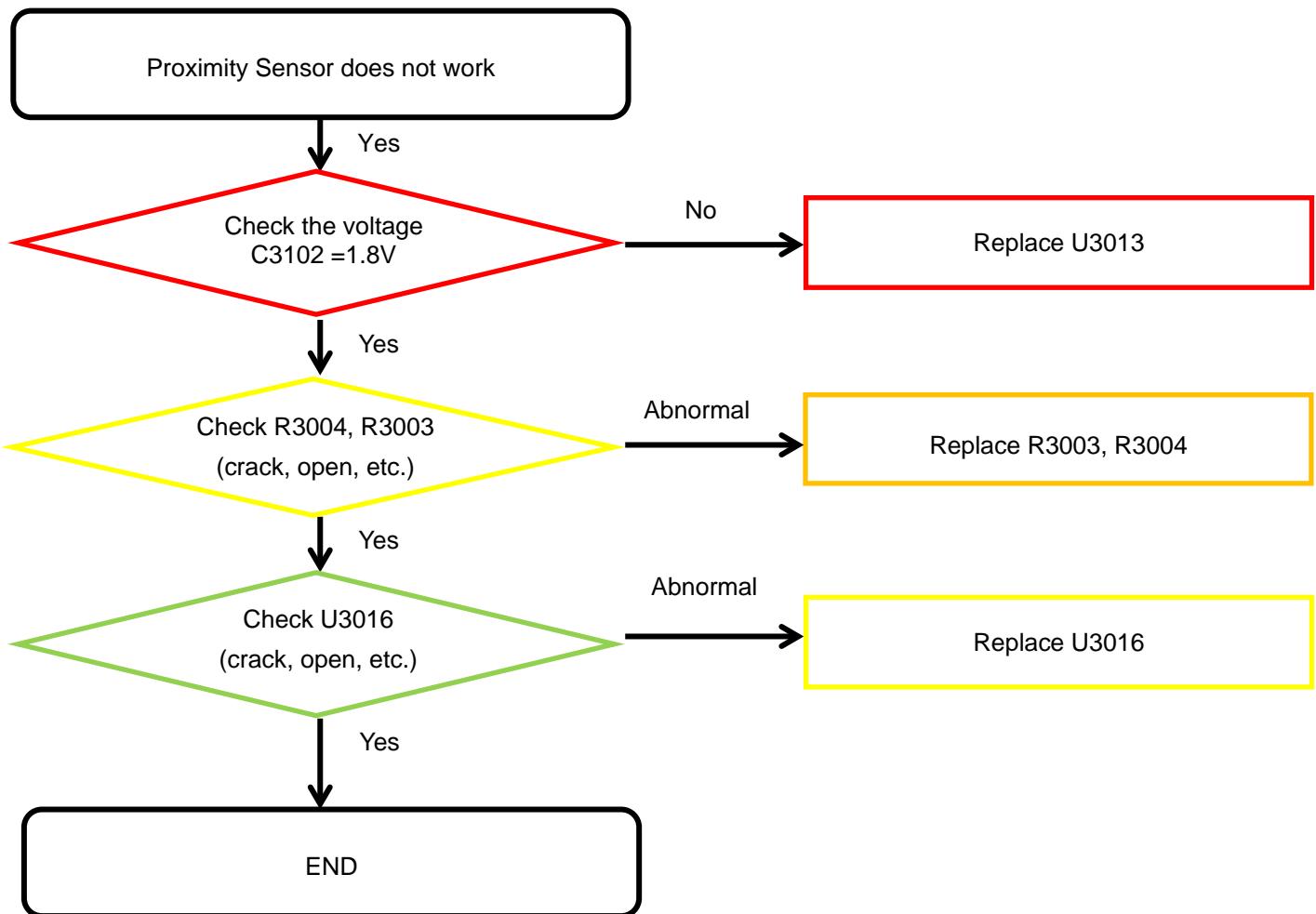
8. Level 3 Repair

8-4-7-1. 6AXIS (Accelerator+Gyro) Sensor



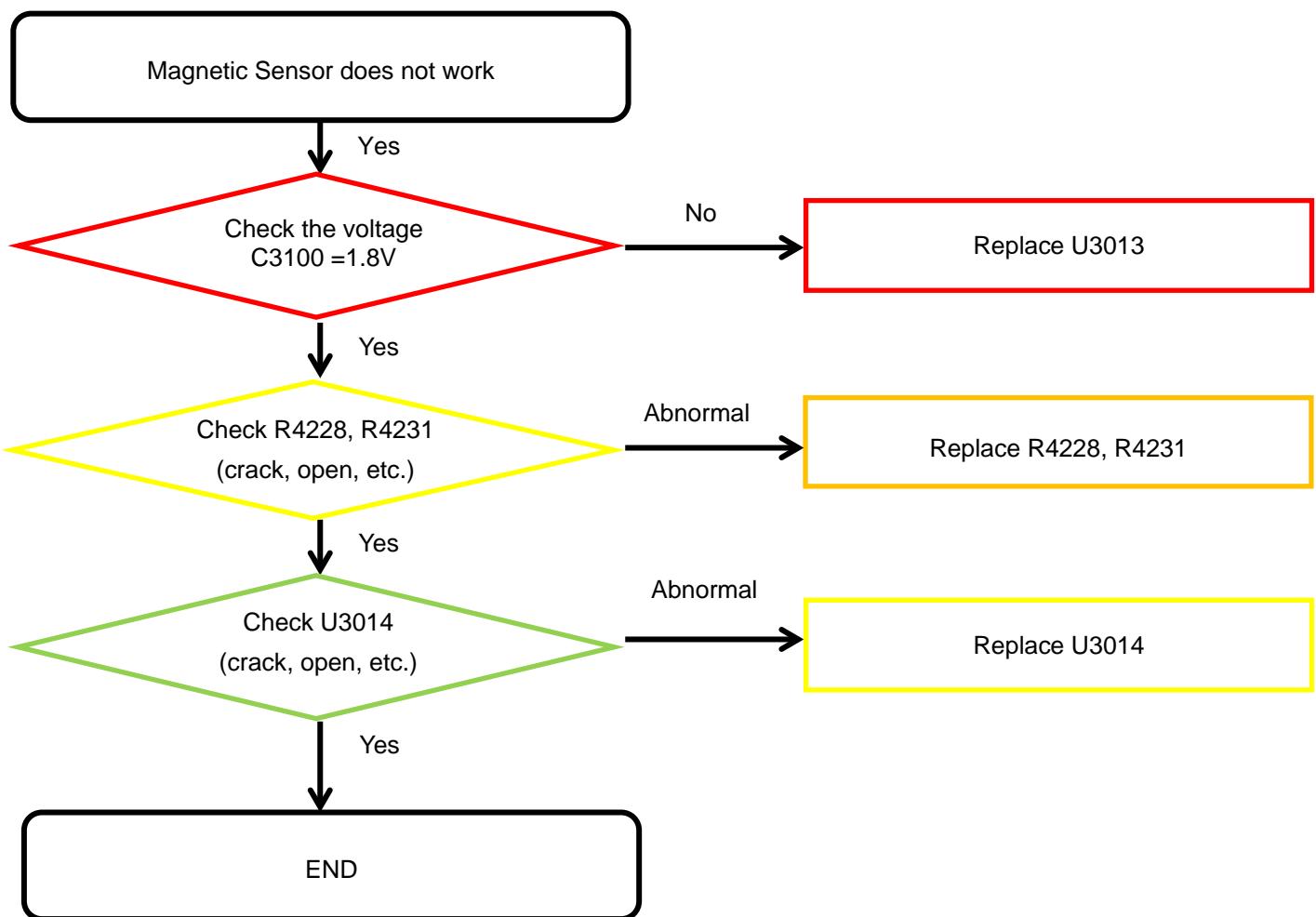
8. Level 3 Repair

8-4-7-2. Proximity sensor



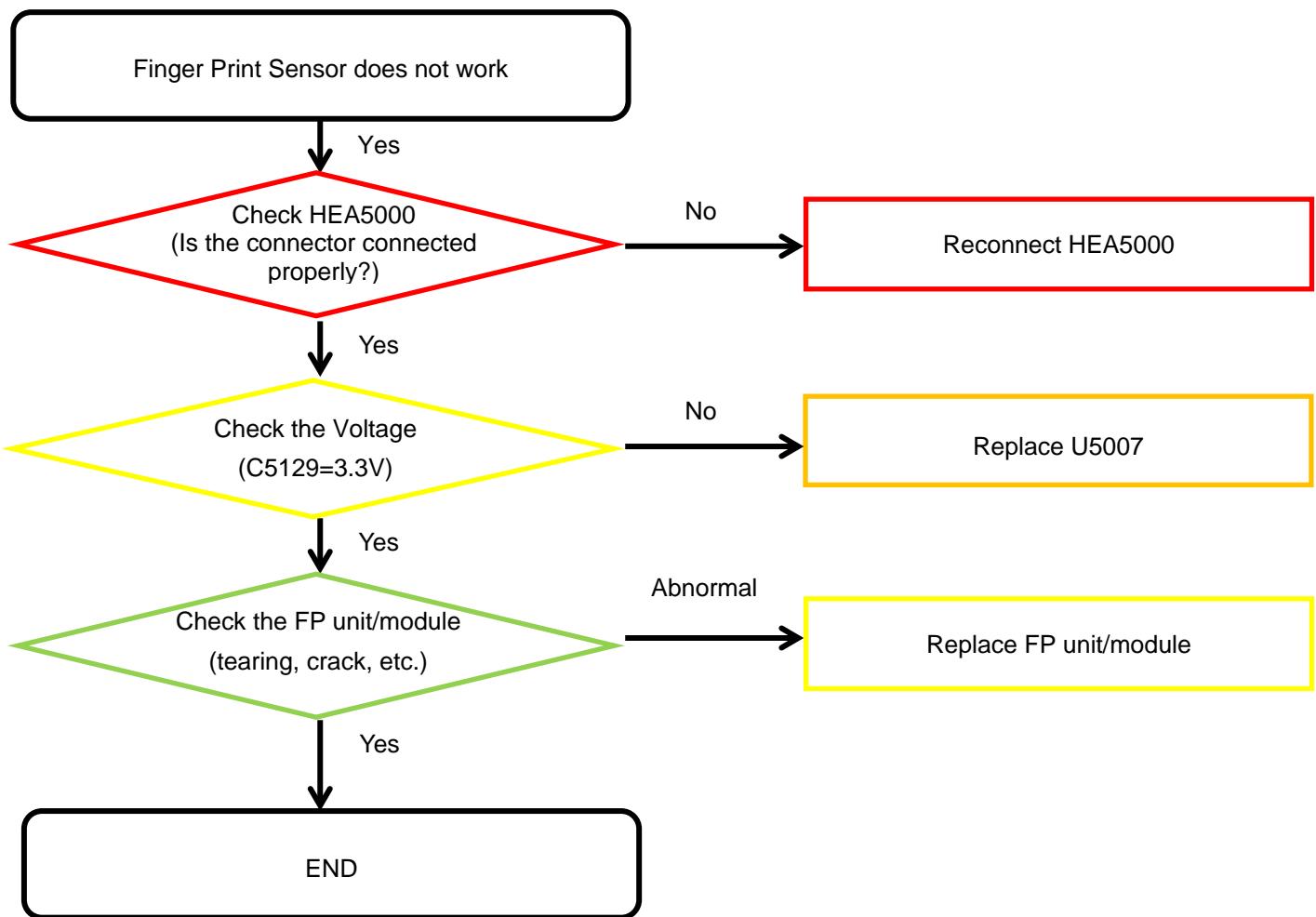
8. Level 3 Repair

8-4-7-3. Magnetic sensor



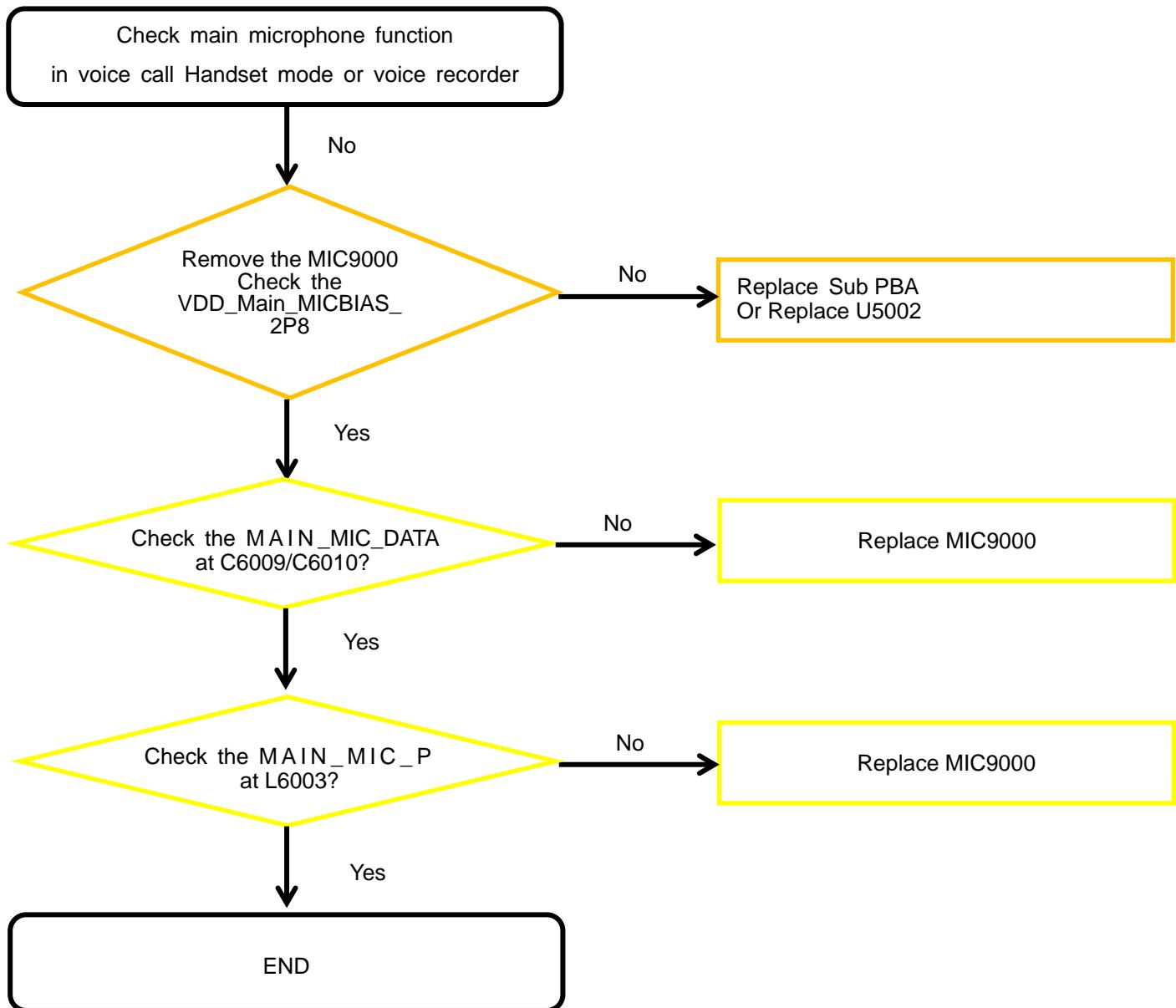
8. Level 3 Repair

8-4-7-4. Finger Print sensor



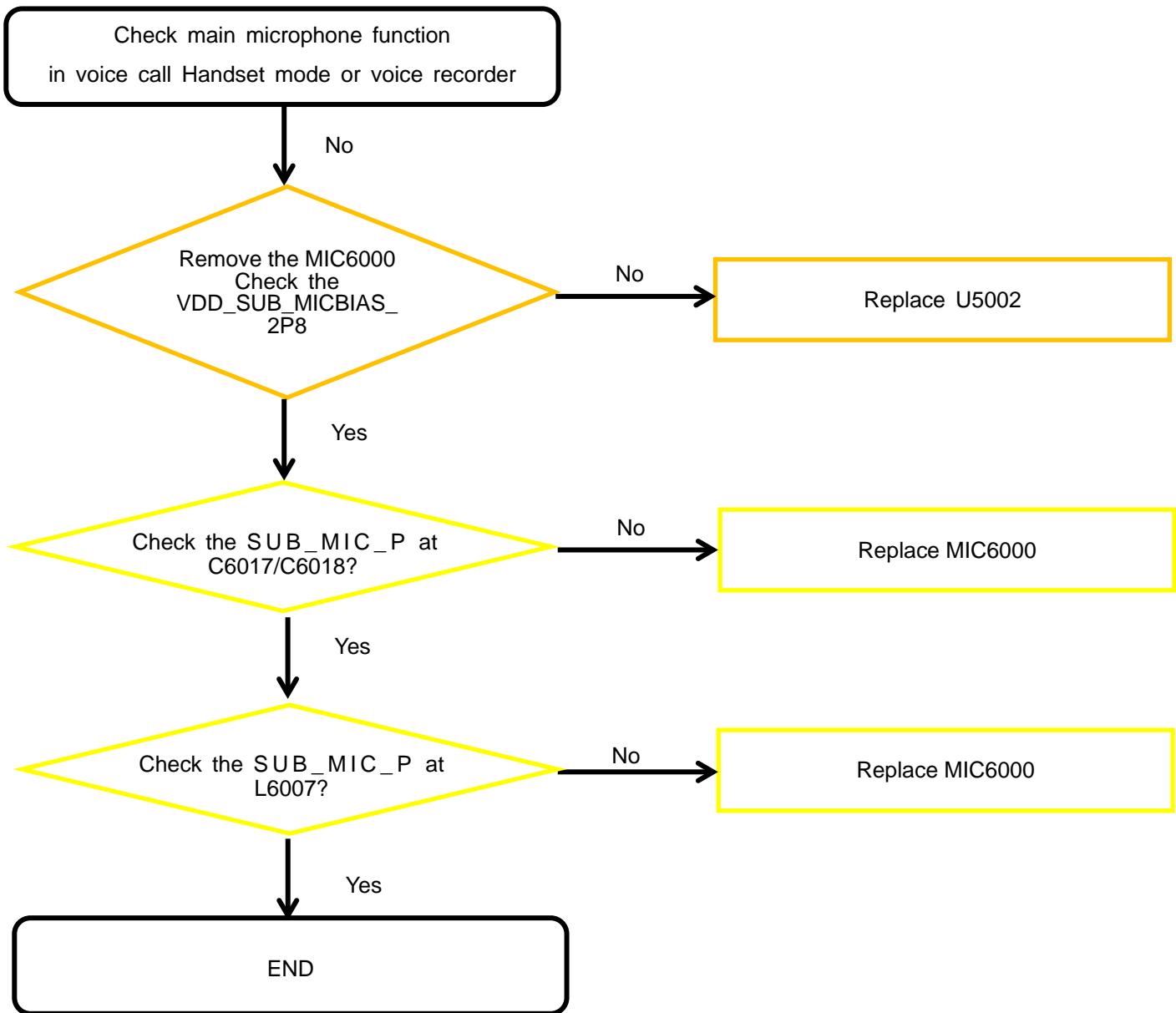
8. Level 3 Repair

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



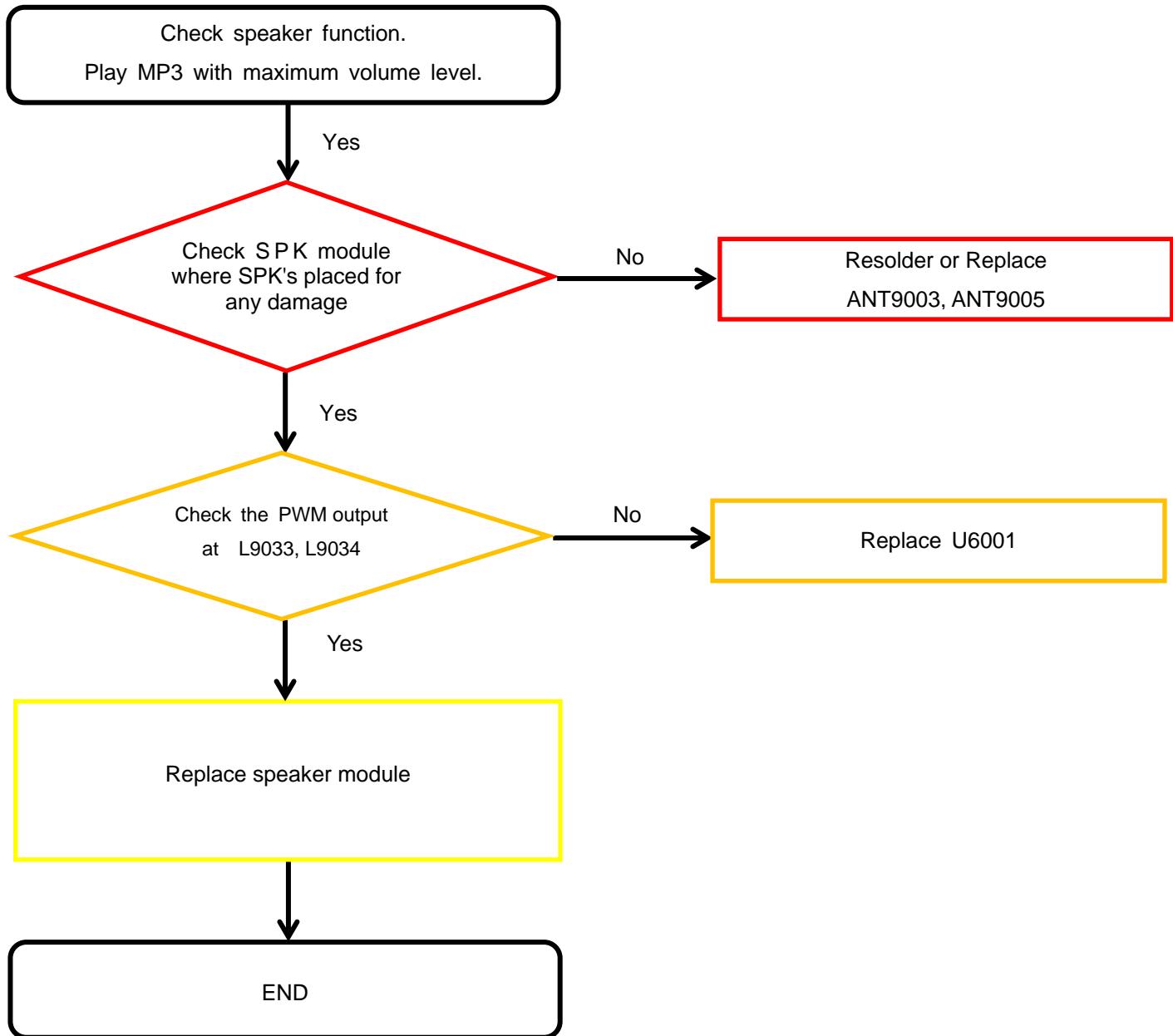
8. Level 3 Repair

8-4-8-2. Microphone Part - Sub MIC



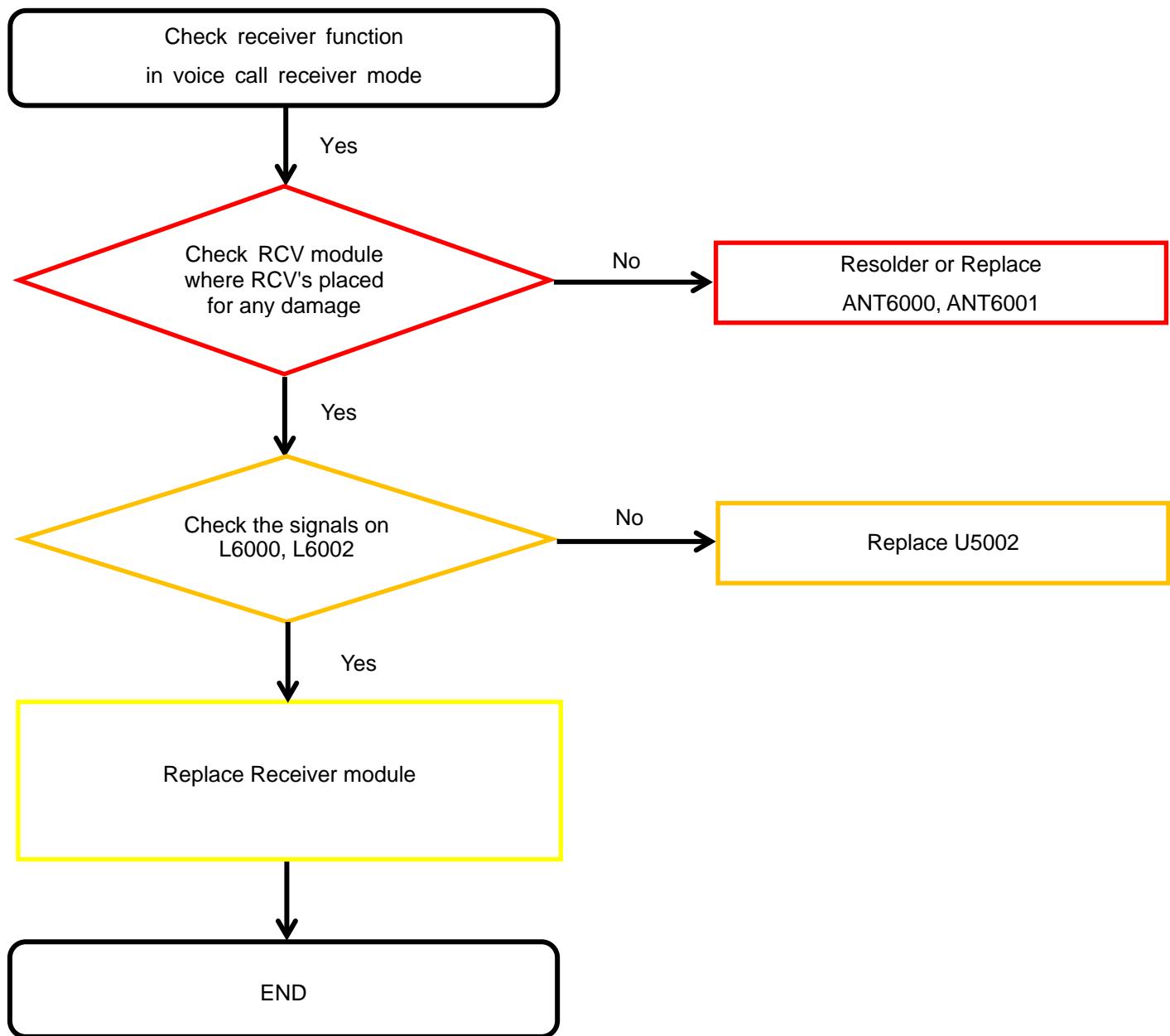
8. Level 3 Repair

8-4-9. Speaker Part



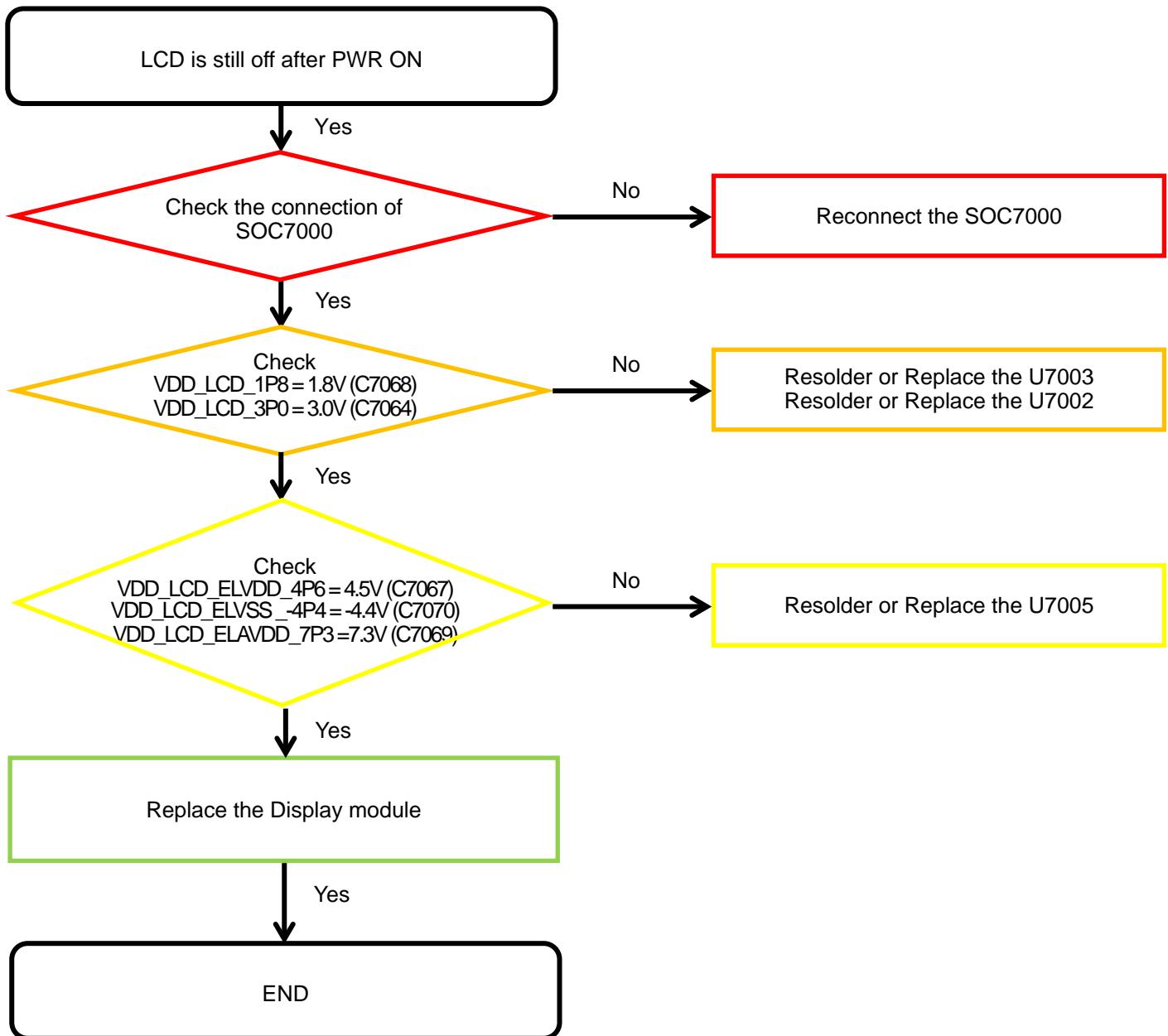
8. Level 3 Repair

8-4-10. Receiver Part



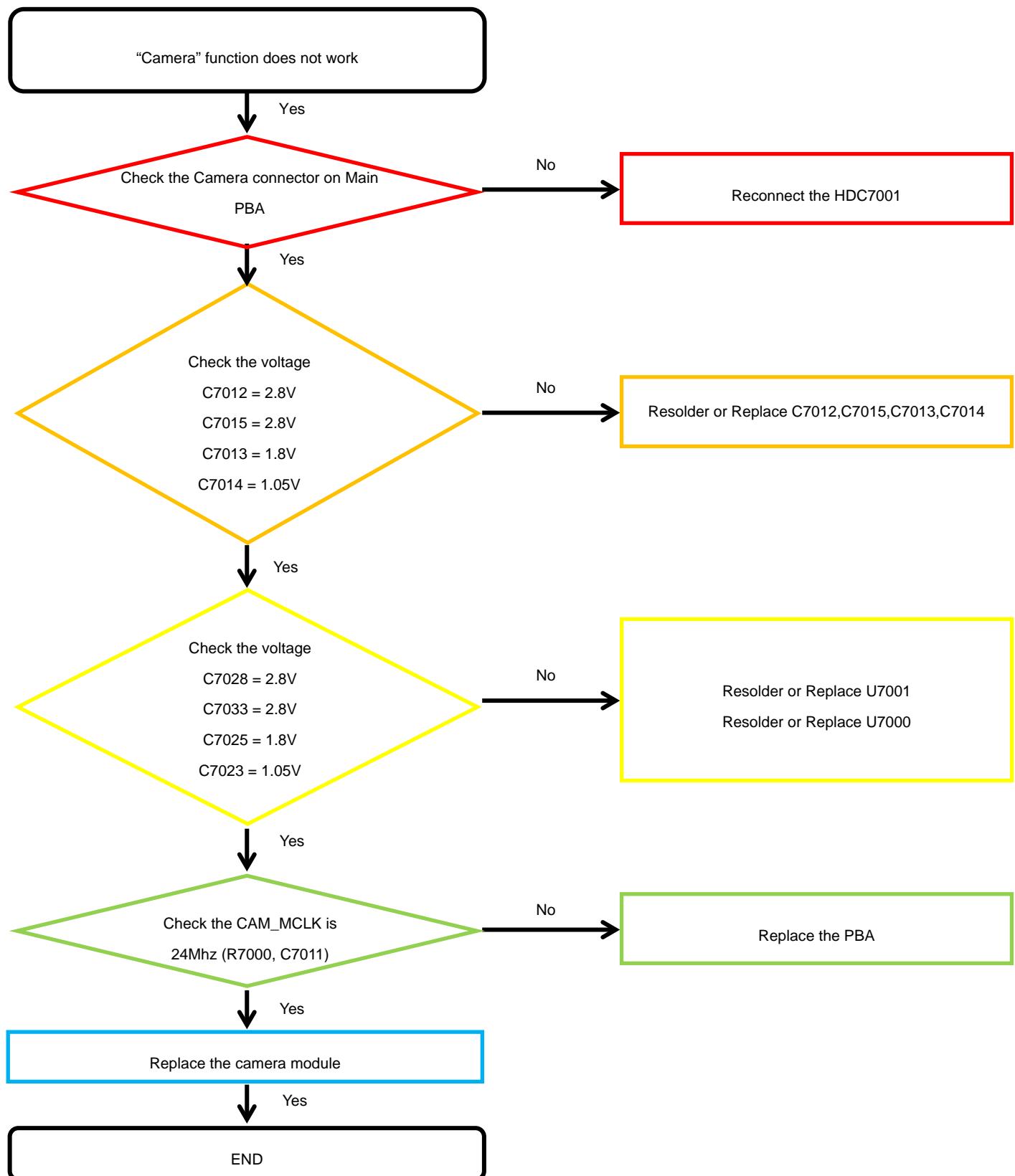
8. Level 3 Repair

8-4-11. Display



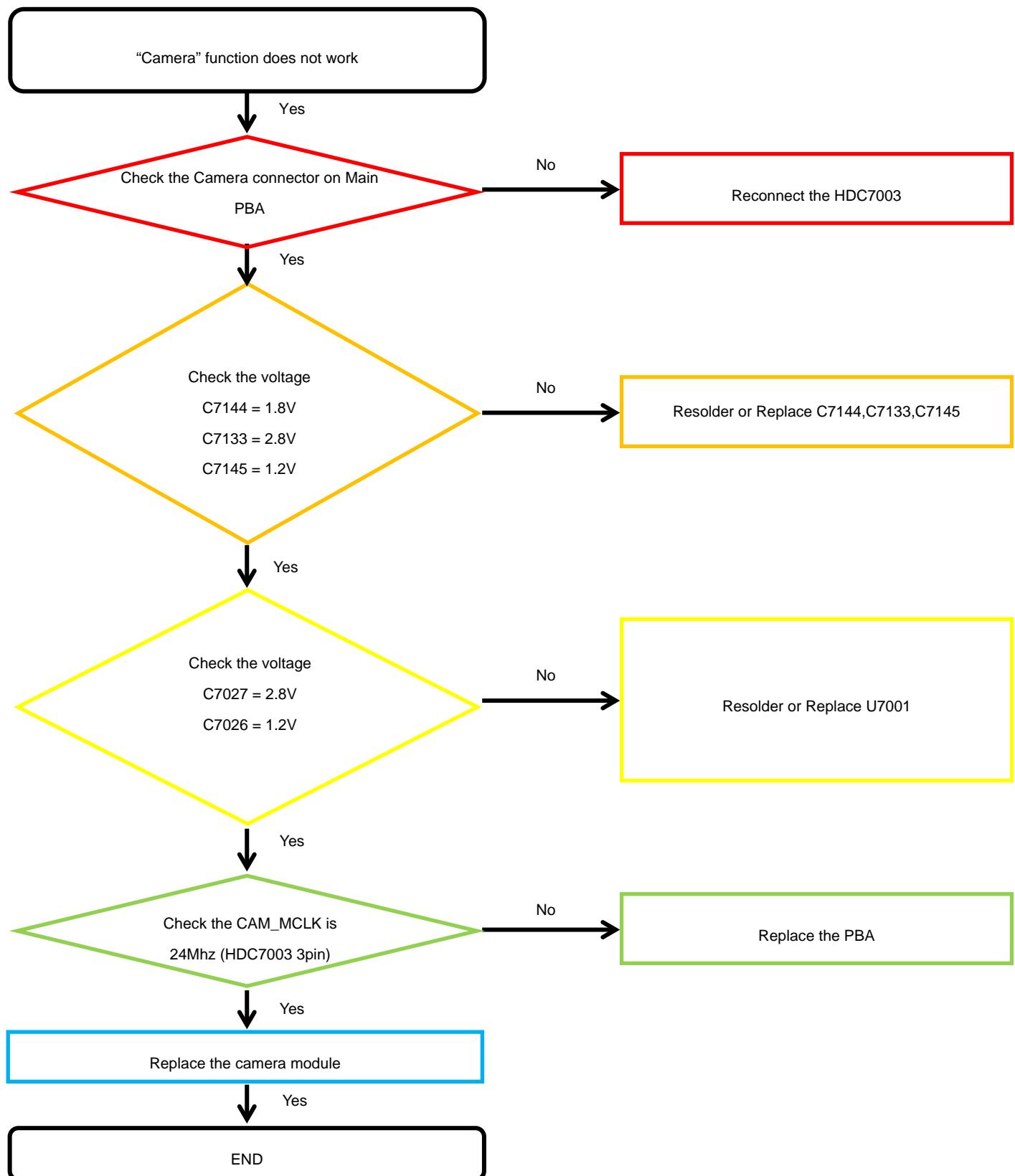
8. Level 3 Repair

8-4-12-1. 13M AF Rear CAMERA



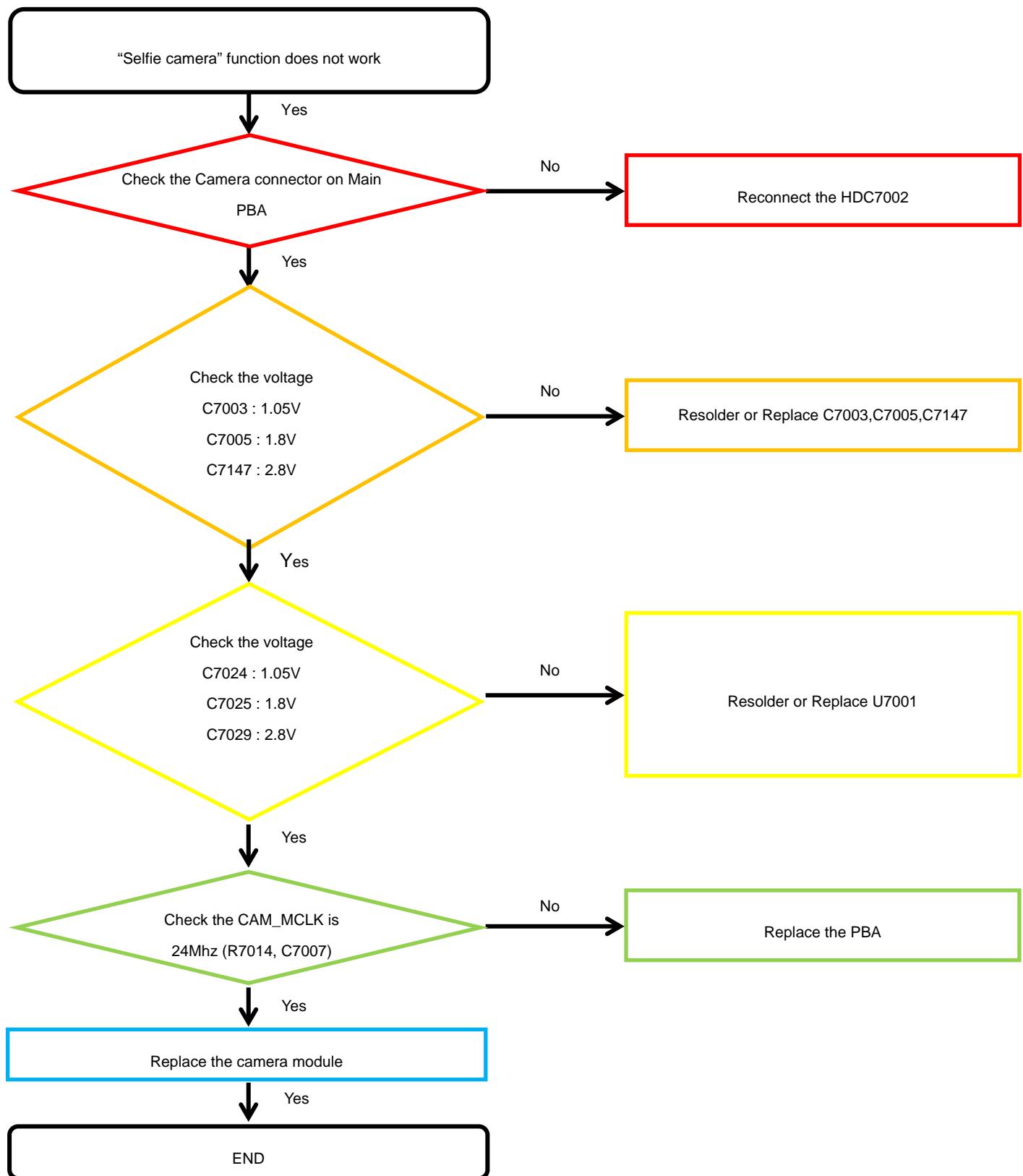
8. Level 3 Repair

8-4-12-2. 5M FF Rear CAMERA



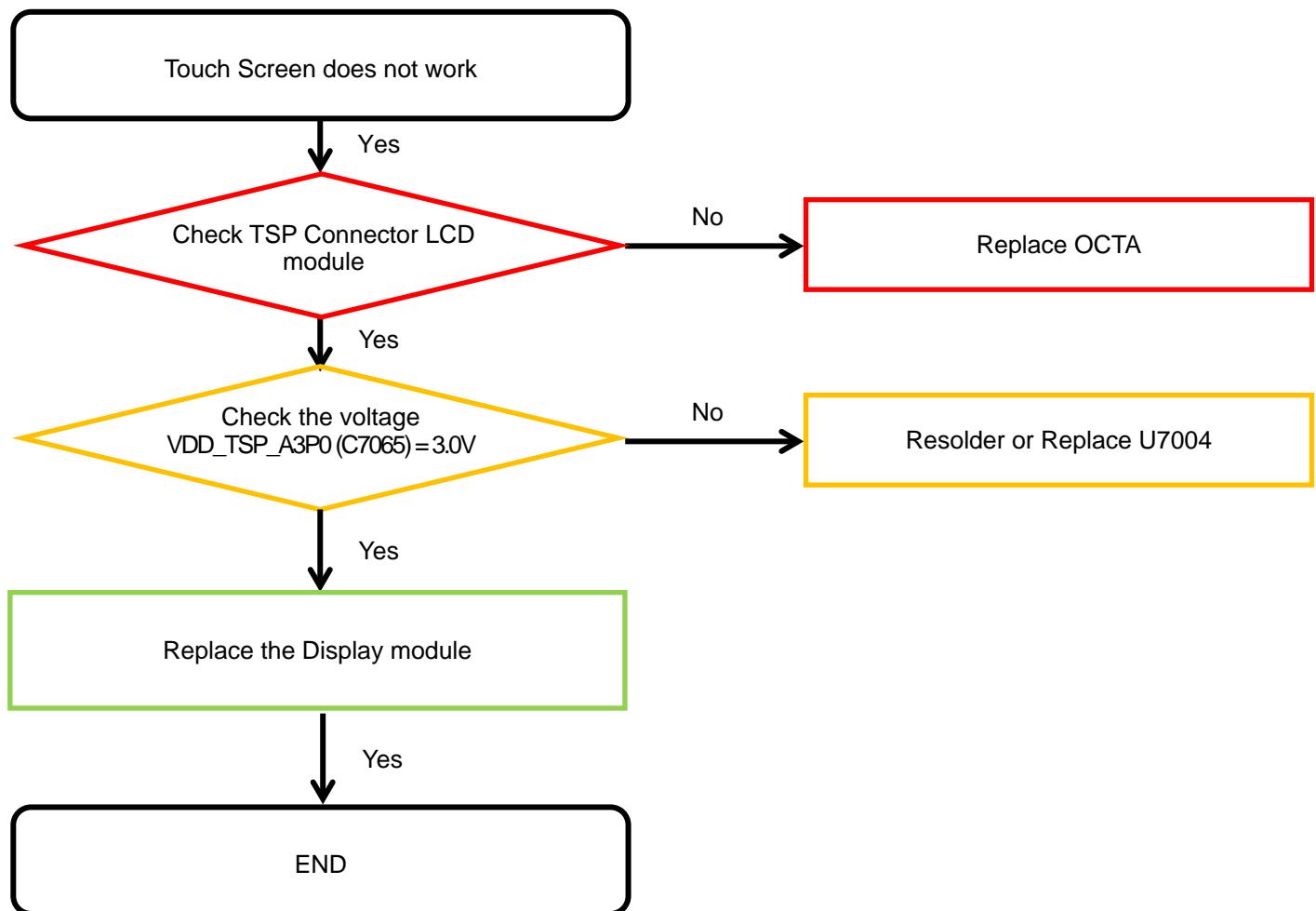
8. Level 3 Repair

8-4-13. 8M FF Front CAMERA



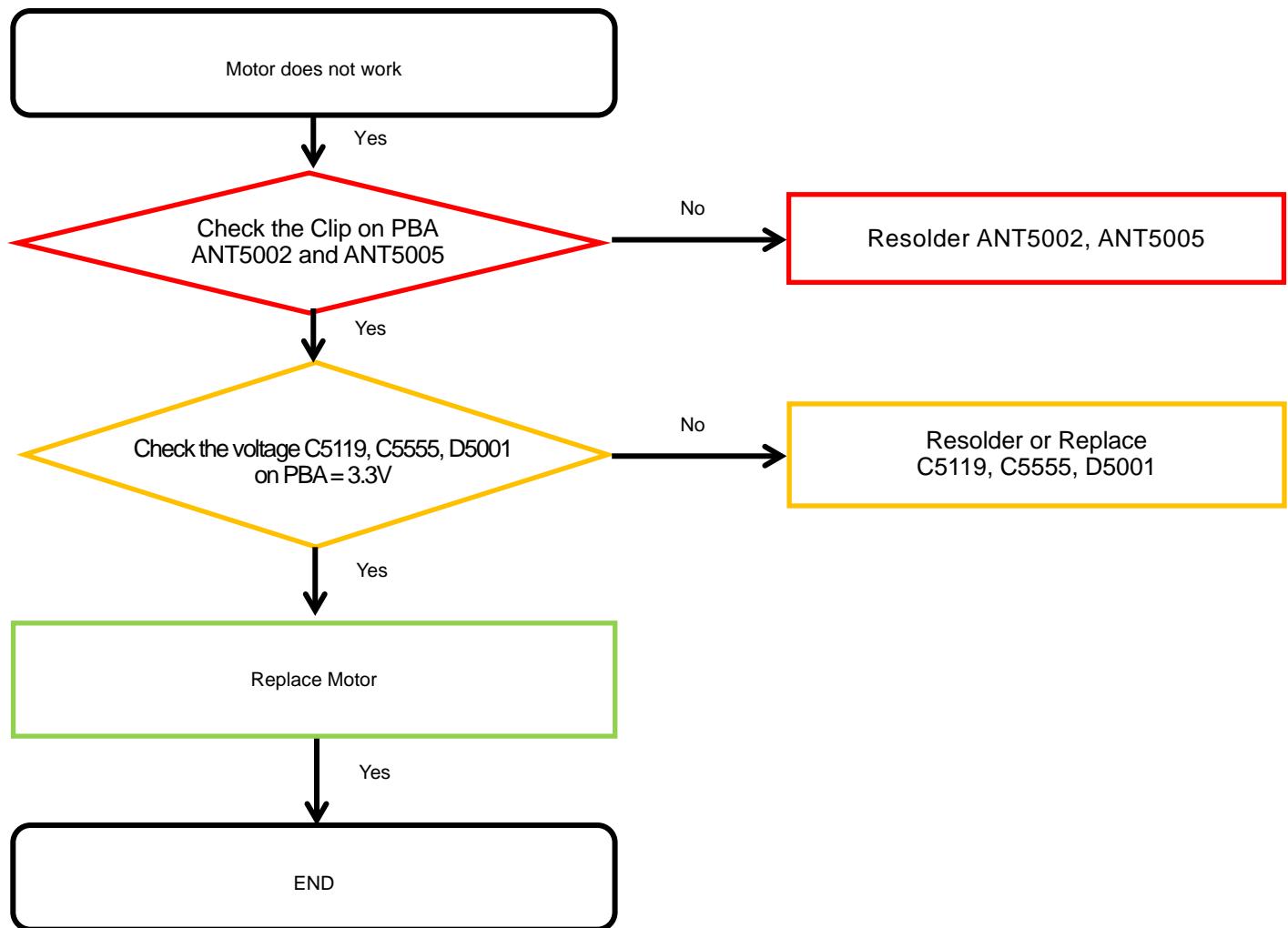
8. Level 3 Repair

8-4-14. TSP



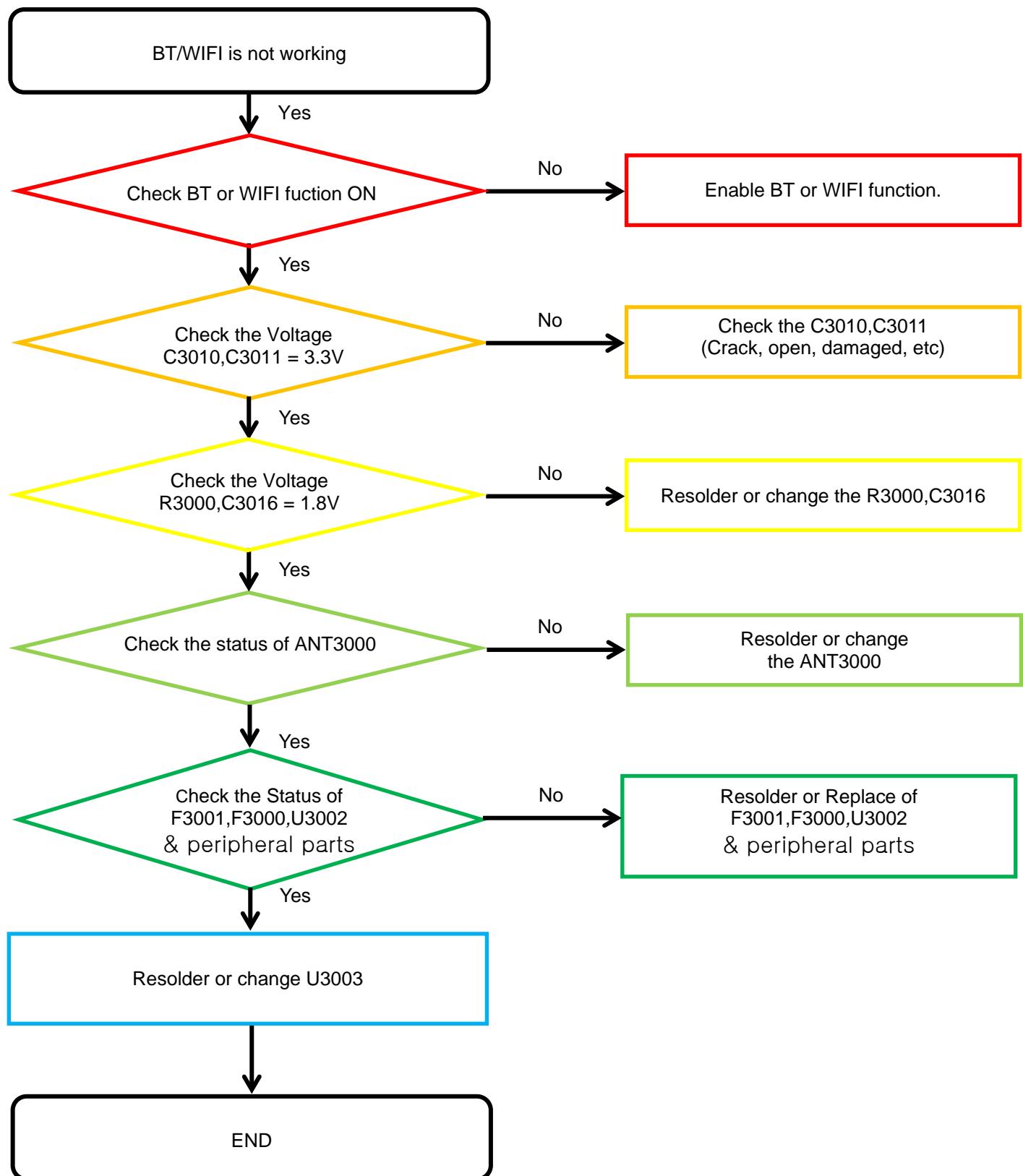
8. Level 3 Repair

8-4-15. Motor



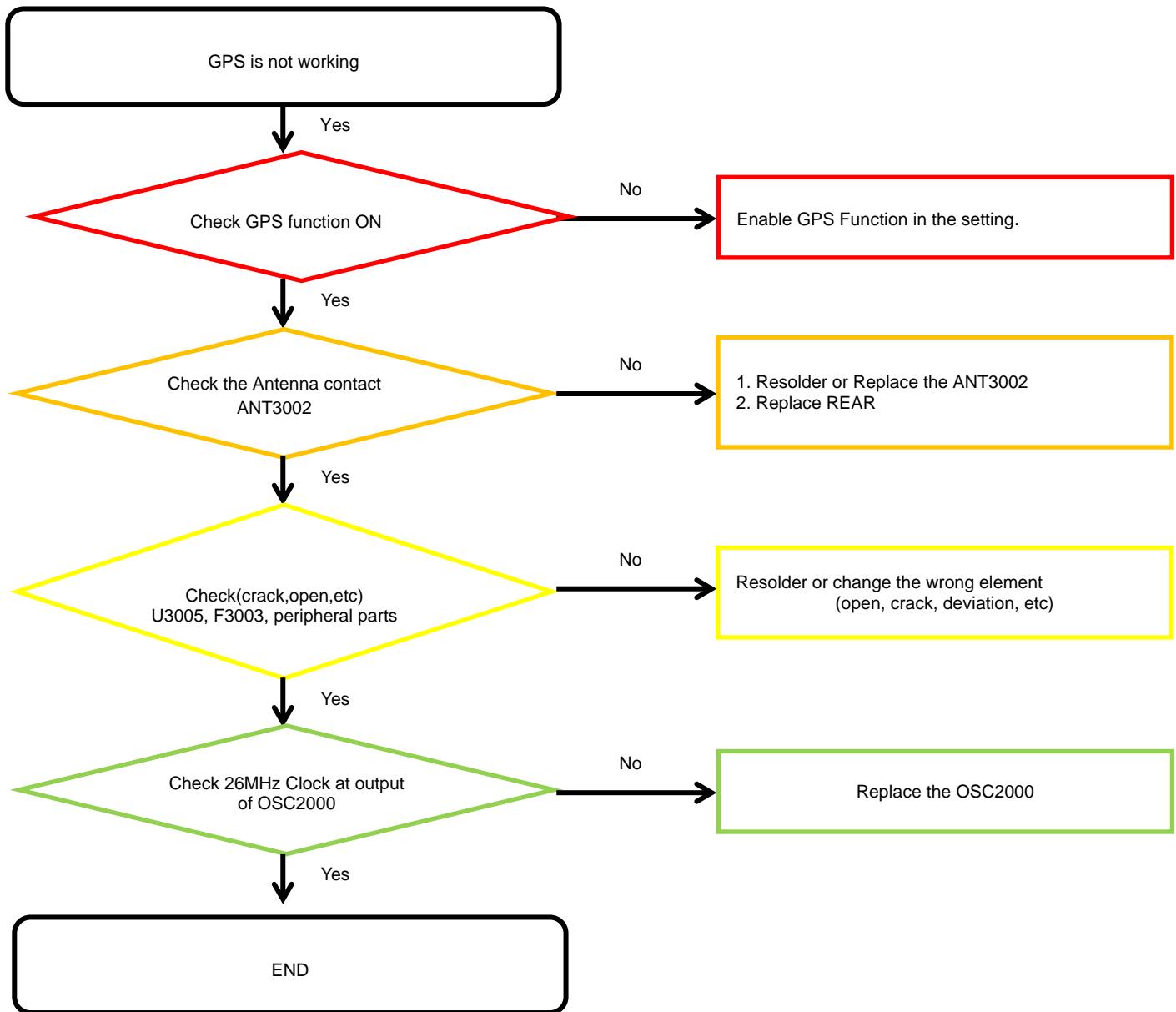
8. Level 3 Repair

8-4-16. BT/WIFI



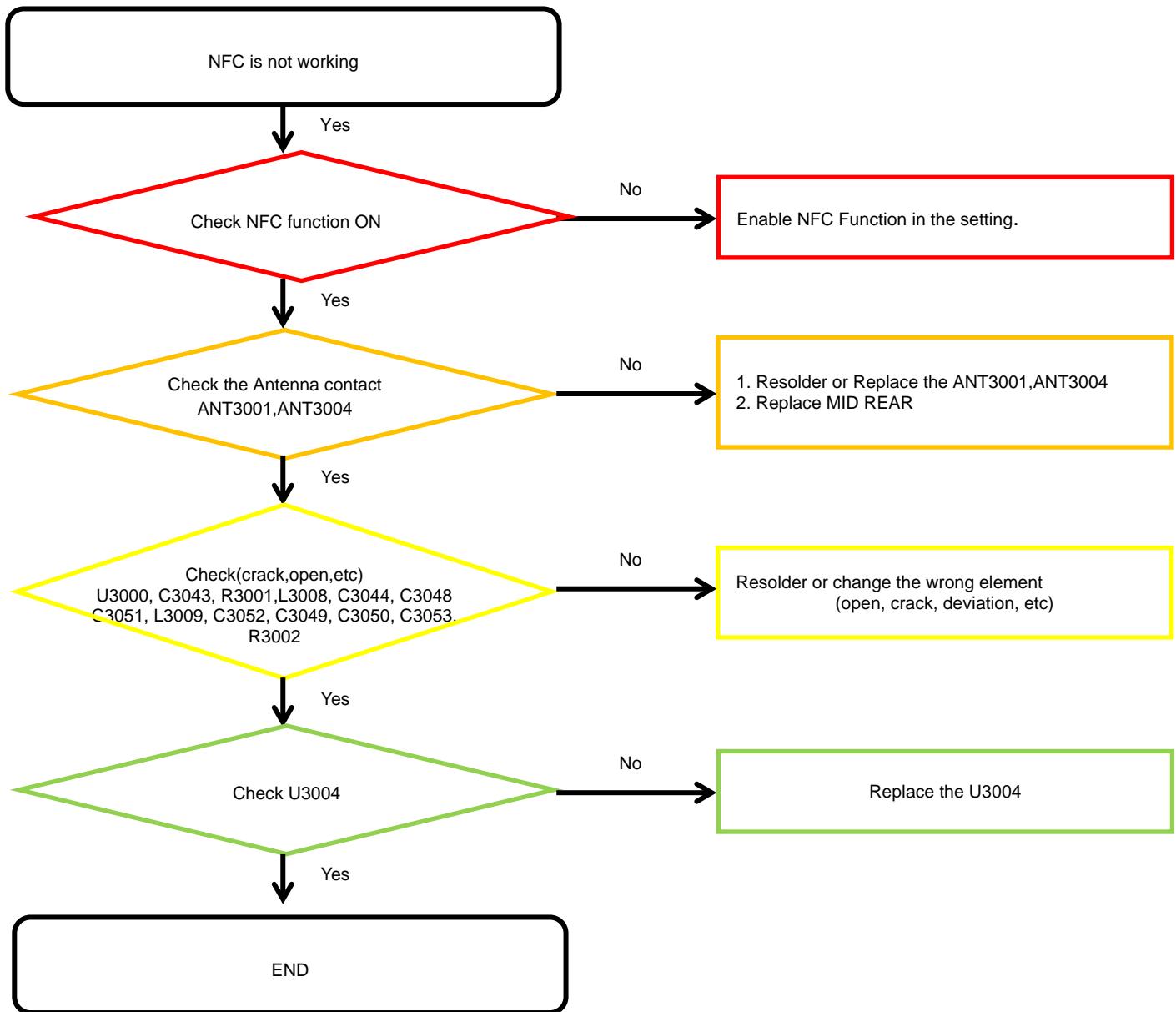
8. Level 3 Repair

8-4-17. GPS



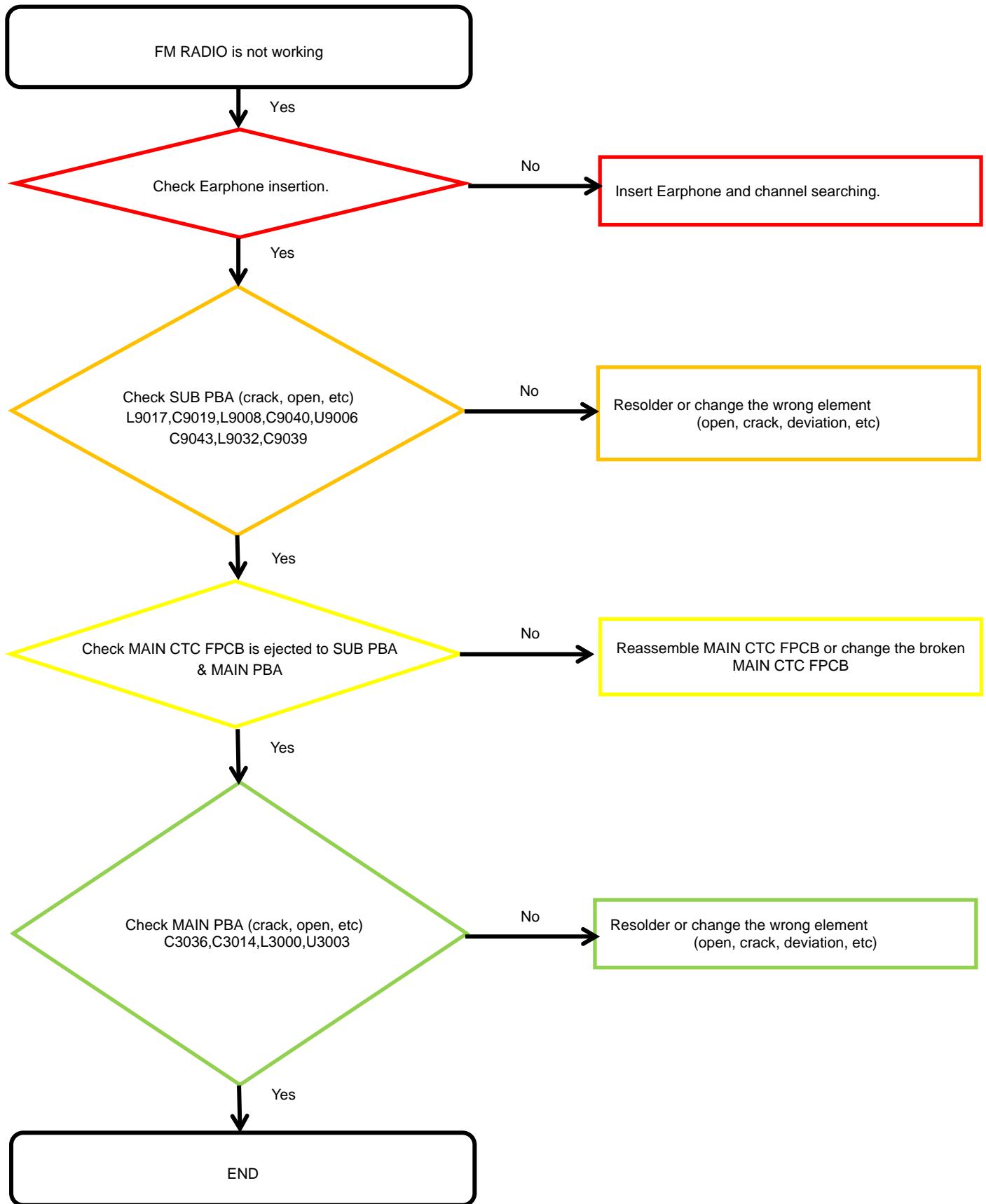
8. Level 3 Repair

8-4-18. NFC [SM-A205FN/GN]



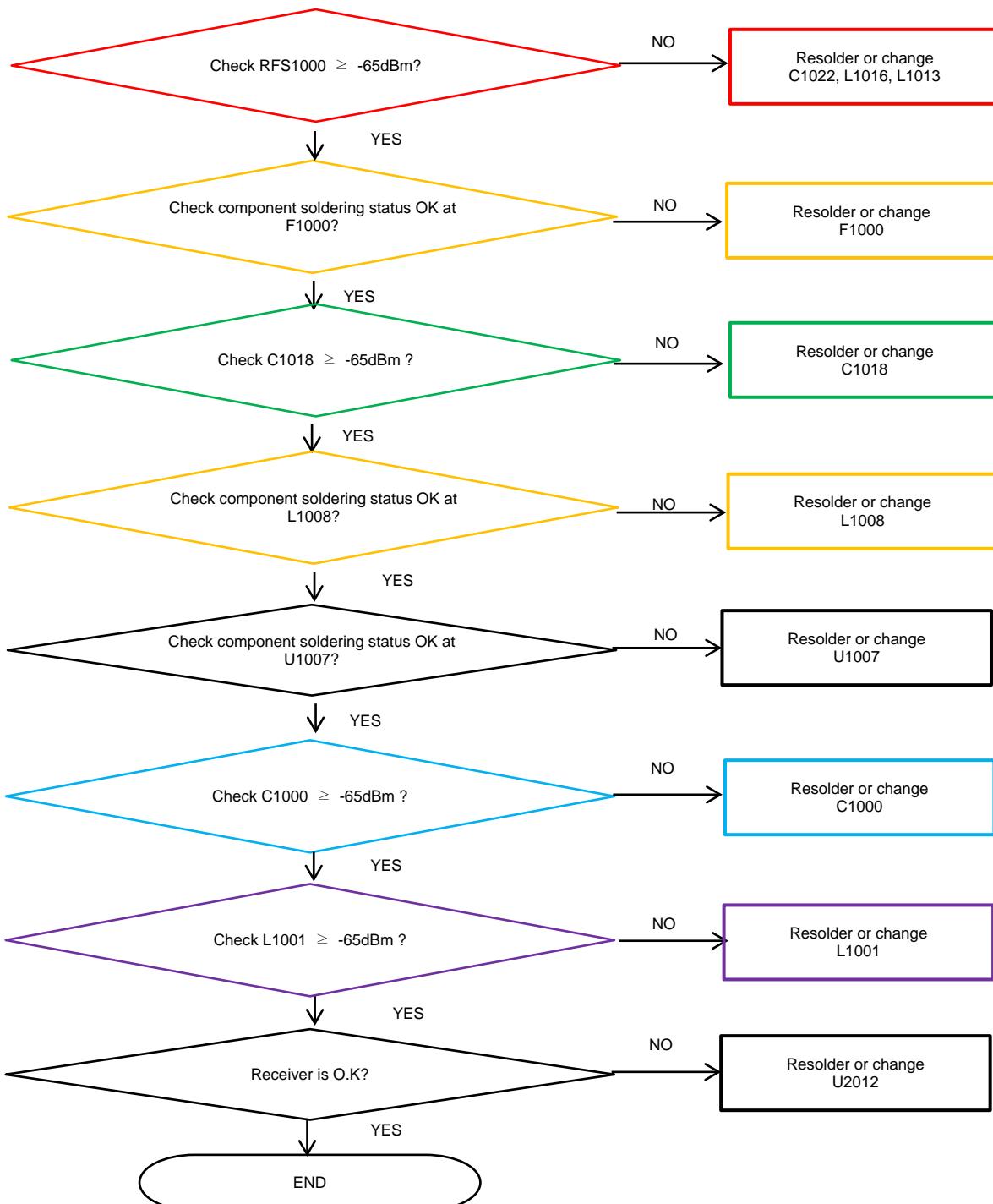
8. Level 3 Repair

8-4-19. FM RADIO



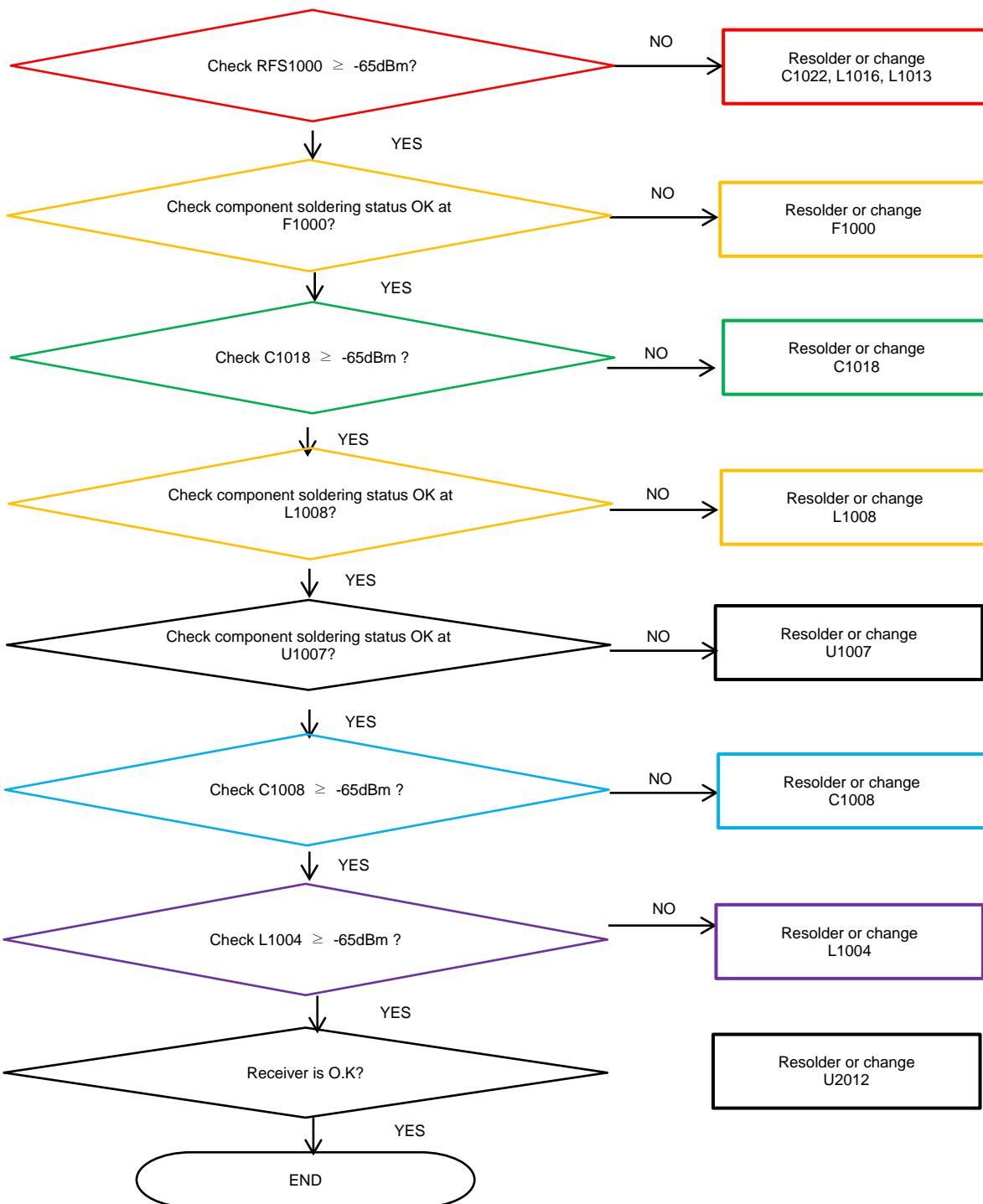
8. Level 3 Repair

8-4-20. LTE B1, WCDMA B1 Rx



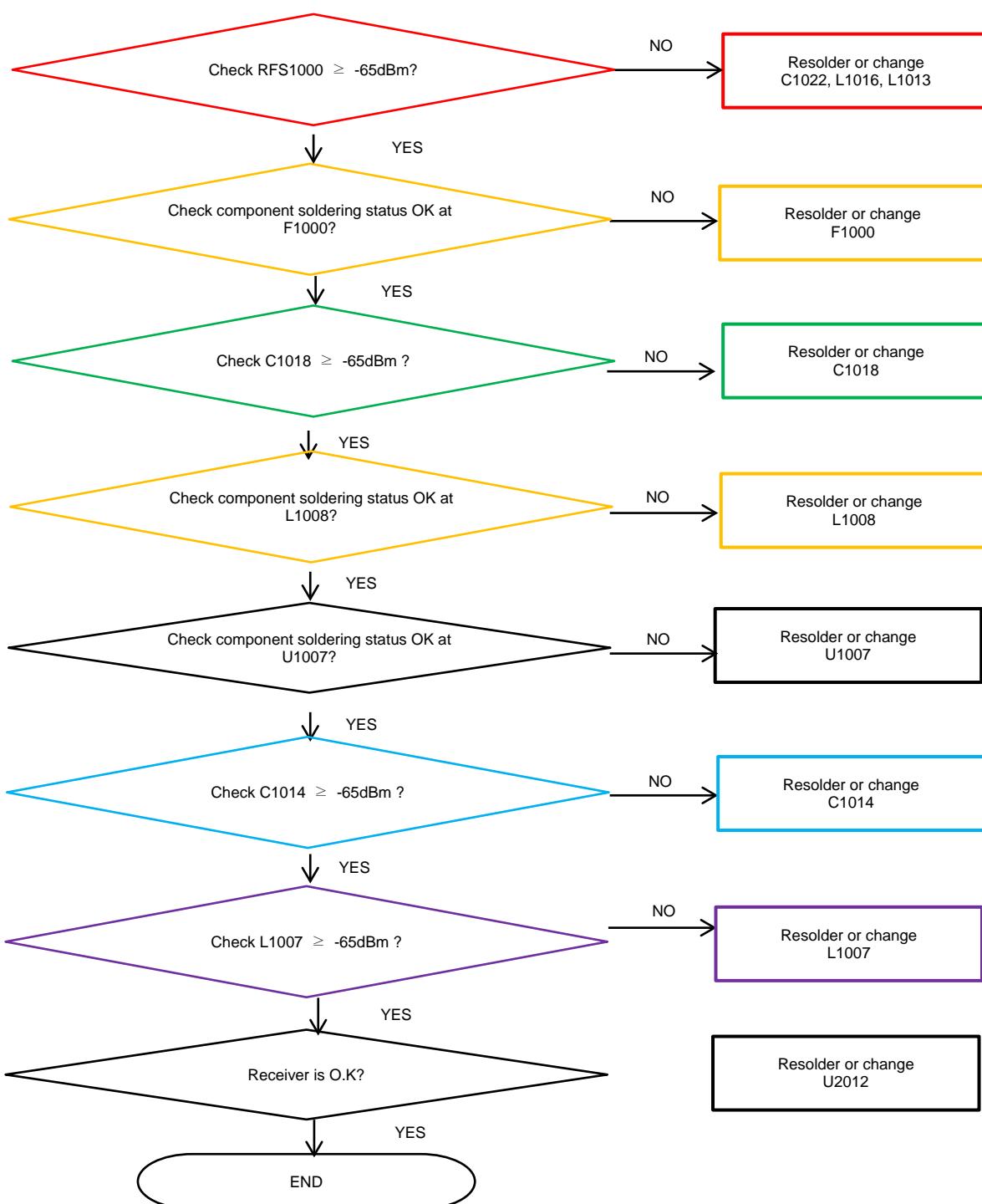
8. Level 3 Repair

8-4-21. WCDMA B2 / PCS RX, LTEB2 [SM-A205G/GN]



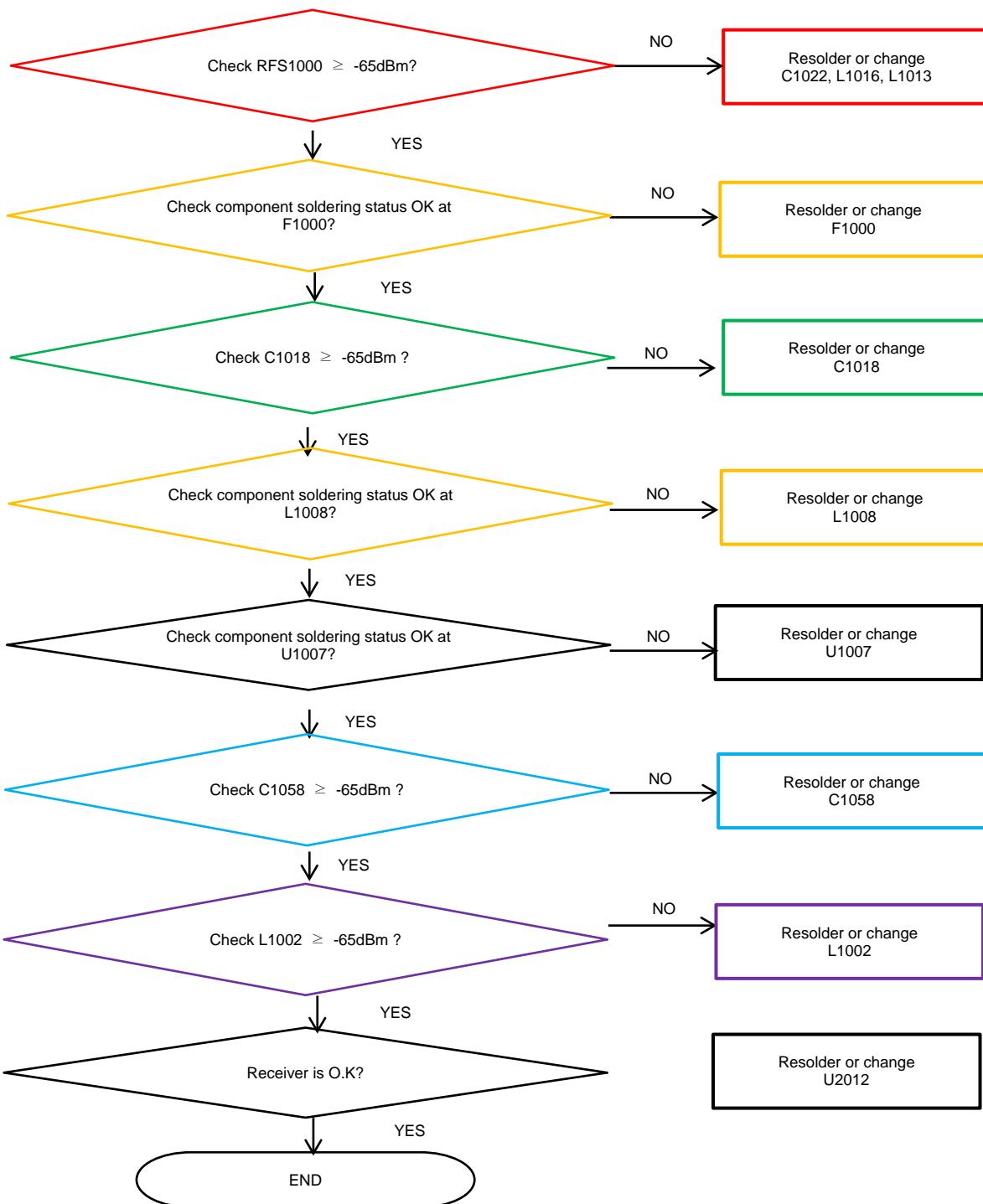
8. Level 3 Repair

8-4-22. LTE B3 / DCS RX



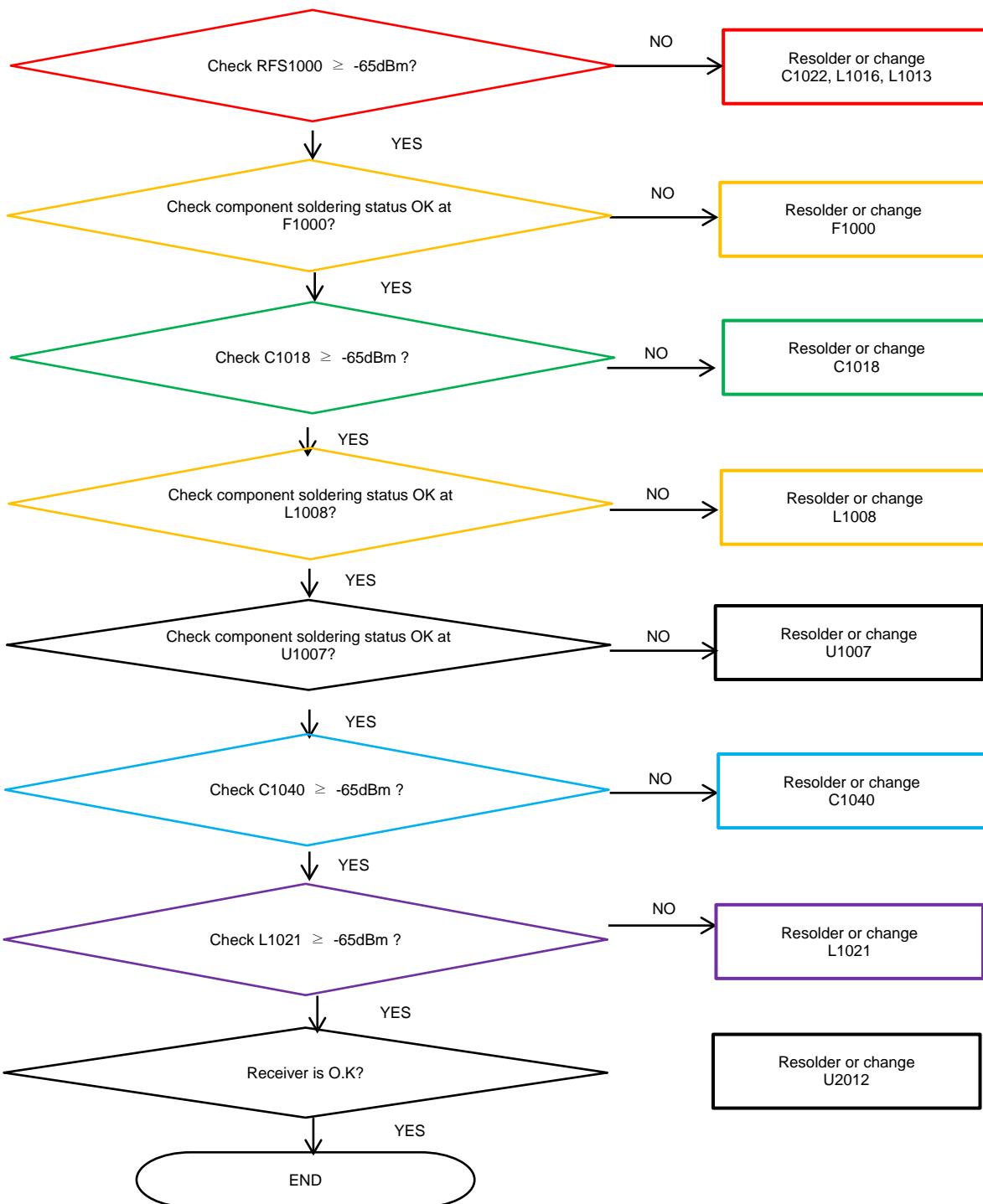
8. Level 3 Repair

8-4-23. LTE B4(B66) / WCDMA B4 RX [SM-A205G/GN]



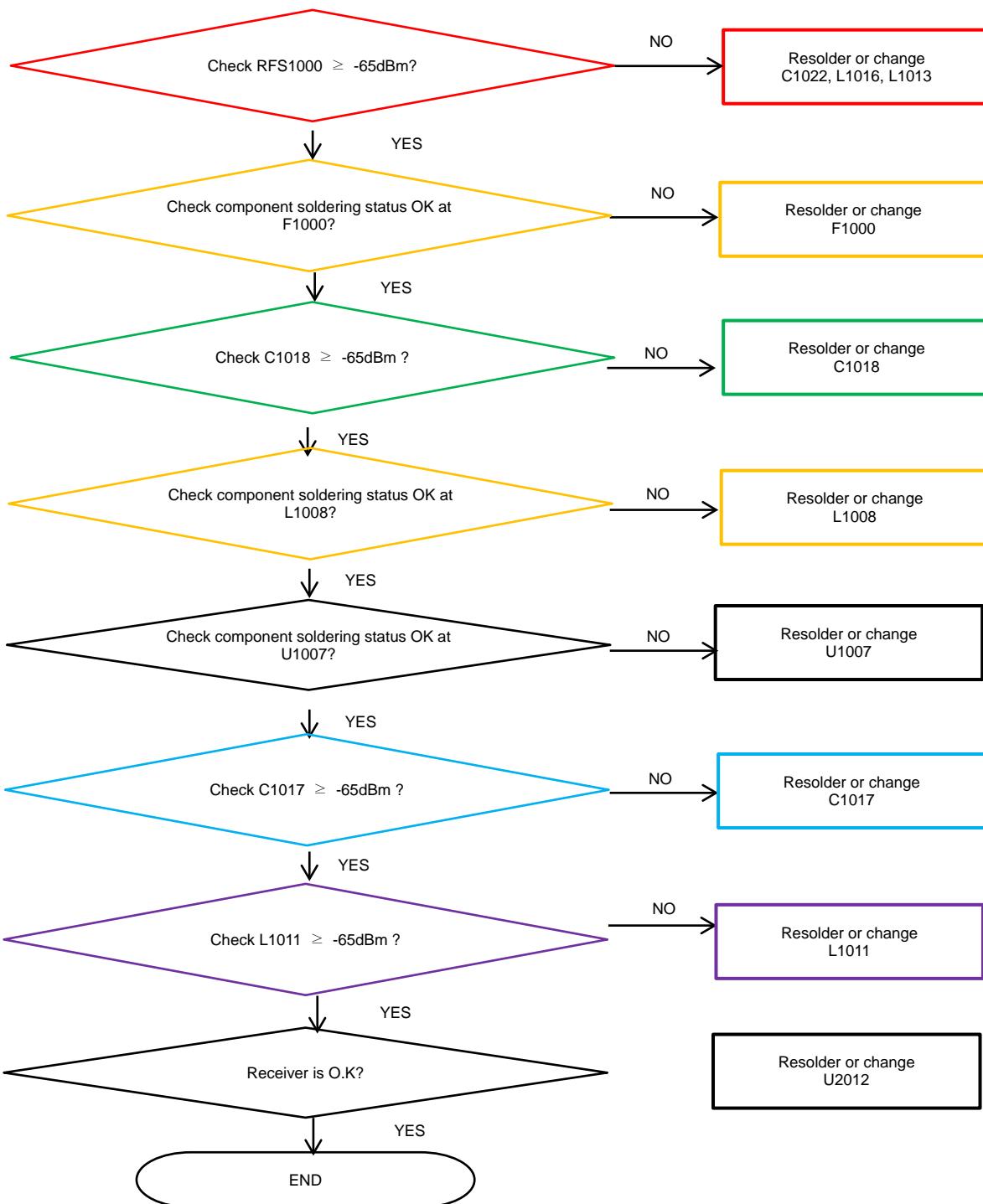
8. Level 3 Repair

8-4-24. LTE, WCDMA B5 / GSM850 RX



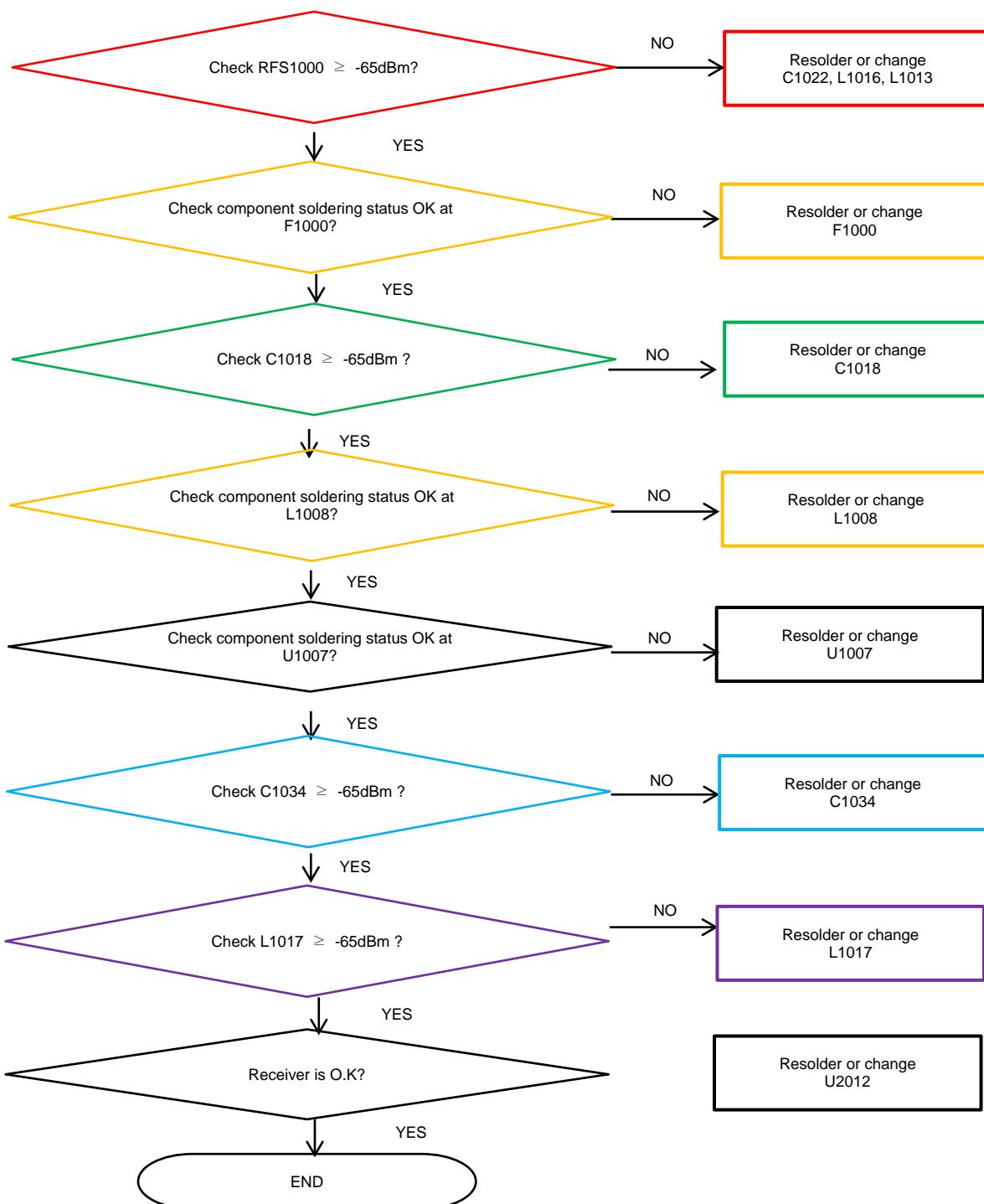
8. Level 3 Repair

8-4-25. LTE B8, WCDMA B8 / EGSM RX



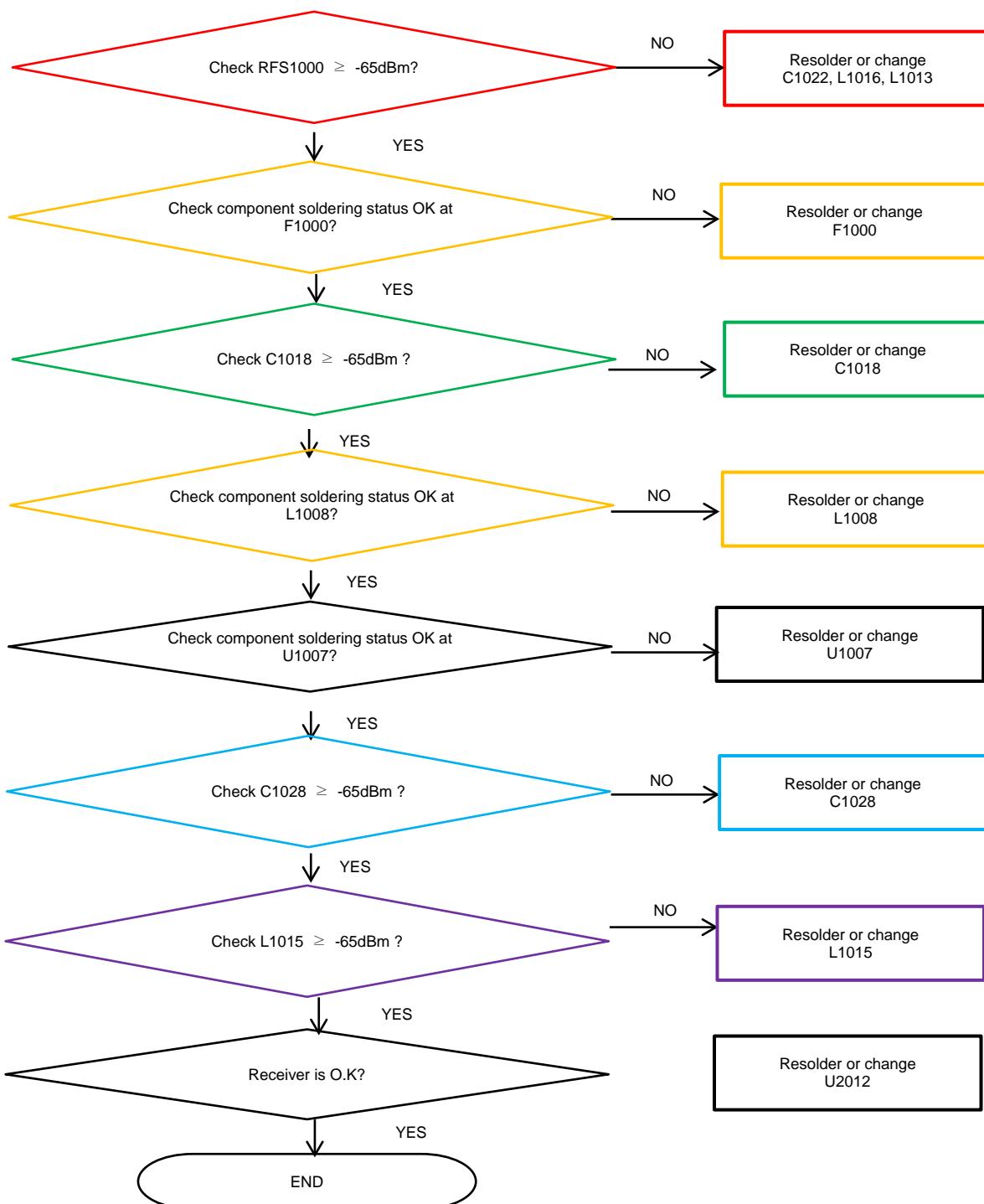
8. Level 3 Repair

8-4-26. LTE B20 RX



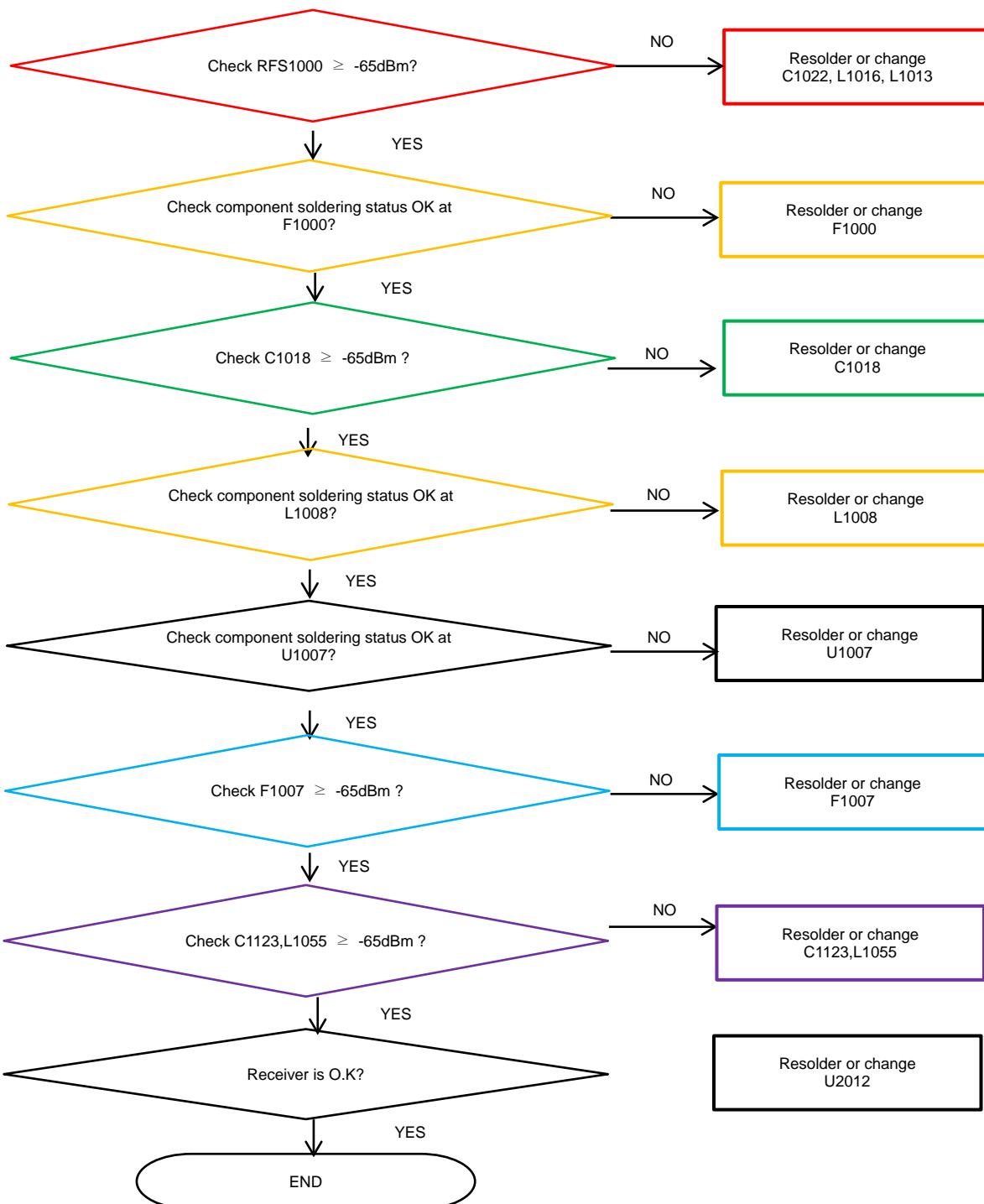
8. Level 3 Repair

8-4-27. LTE B12, 17 RX



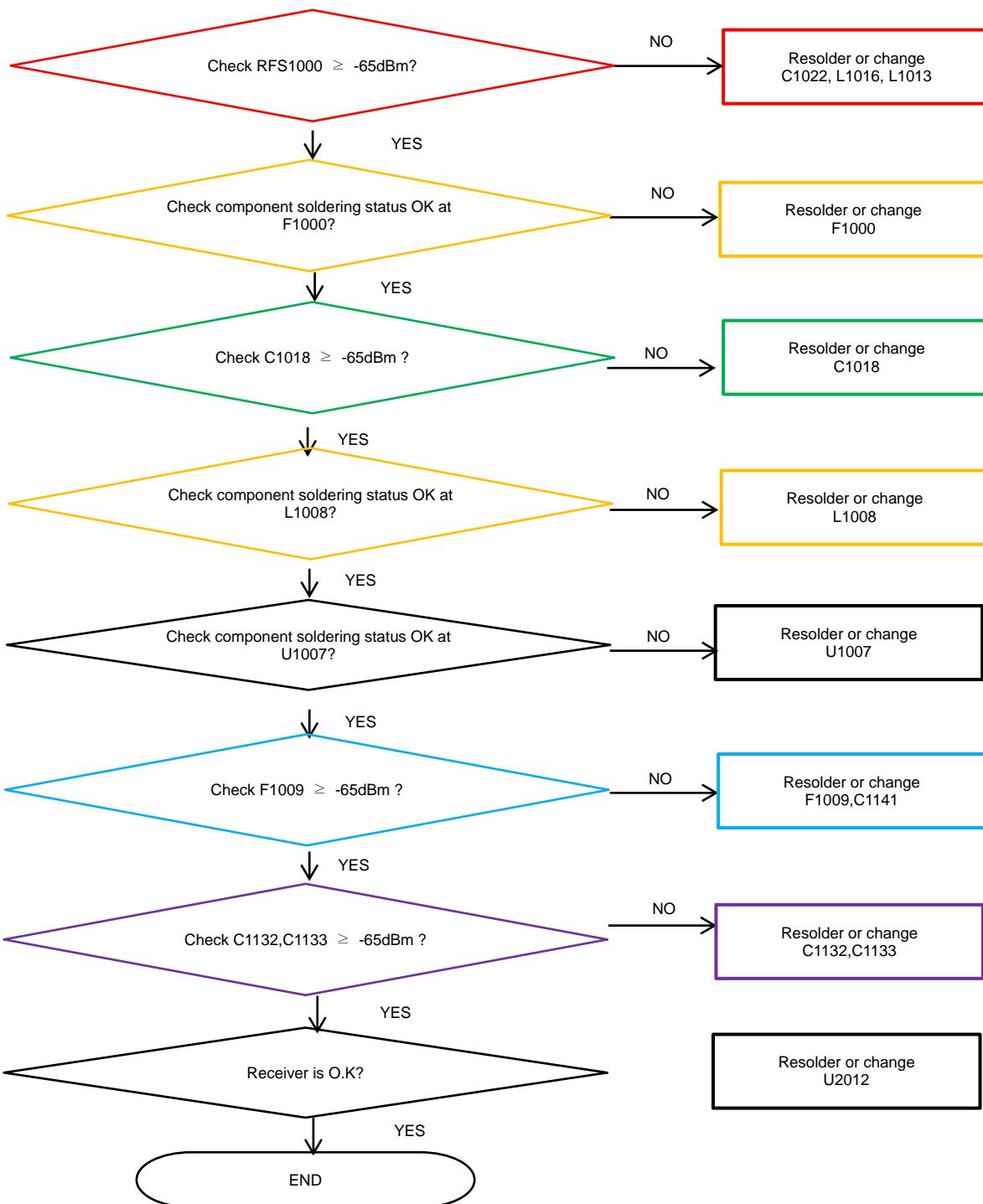
8. Level 3 Repair

8-4-28. LTE B13 RX [SM-A205G/GN]



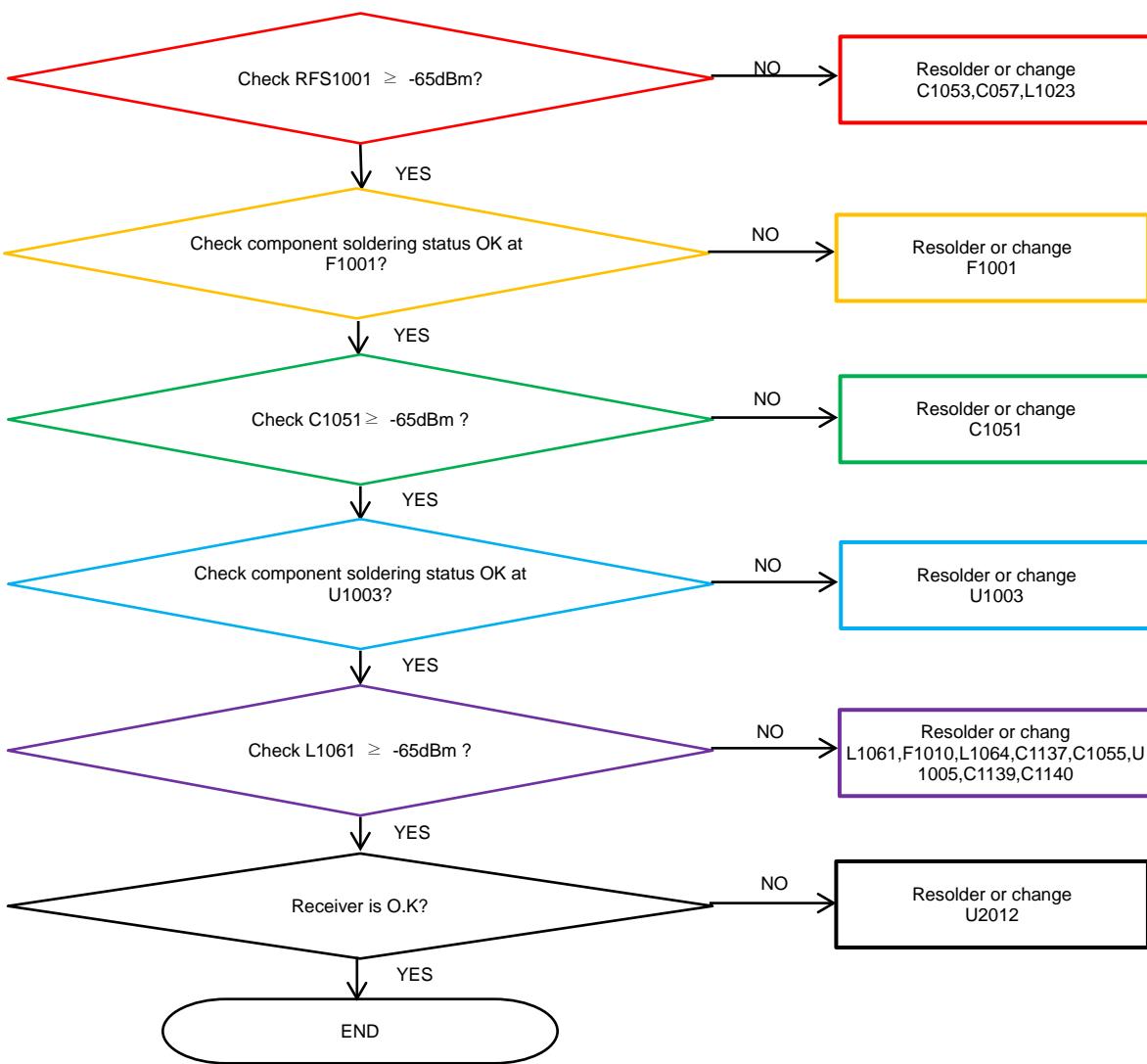
8. Level 3 Repair

8-4-29. LTE B28 RX [SM-A205G/GN]



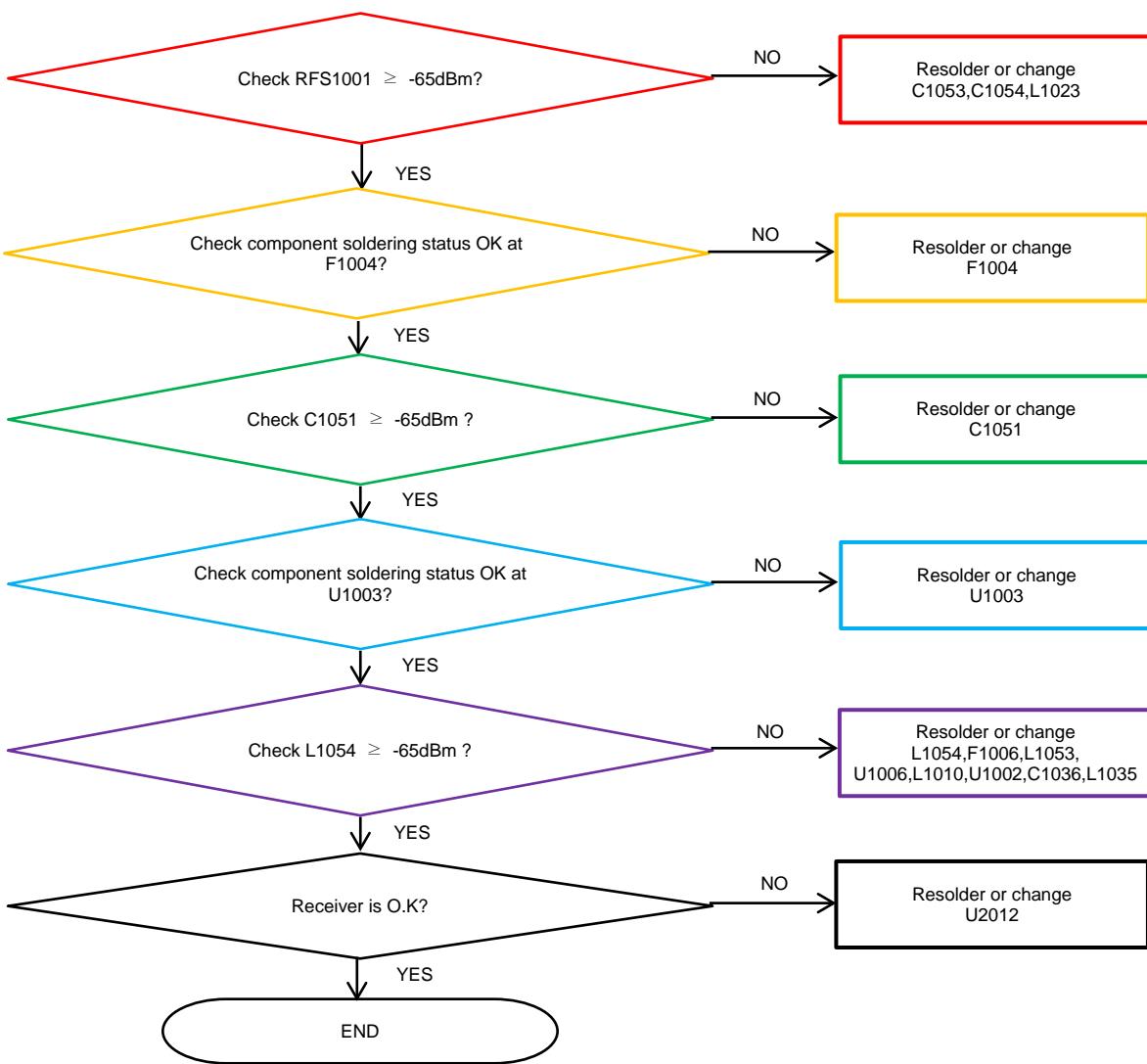
8. Level 3 Repair

8-4-30. LTE B7 RX



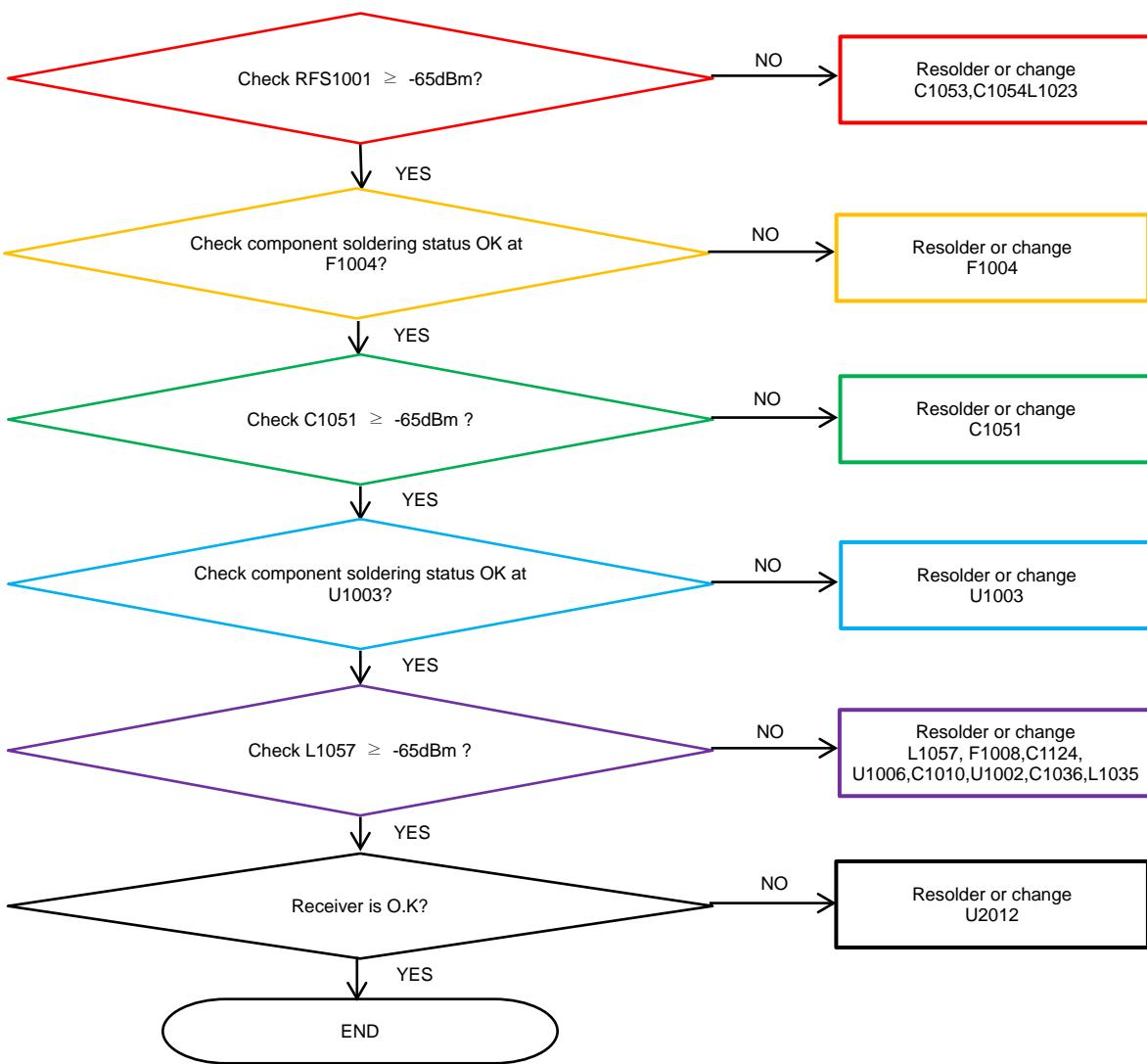
8. Level 3 Repair

8-4-31. LTE B38_41 RX



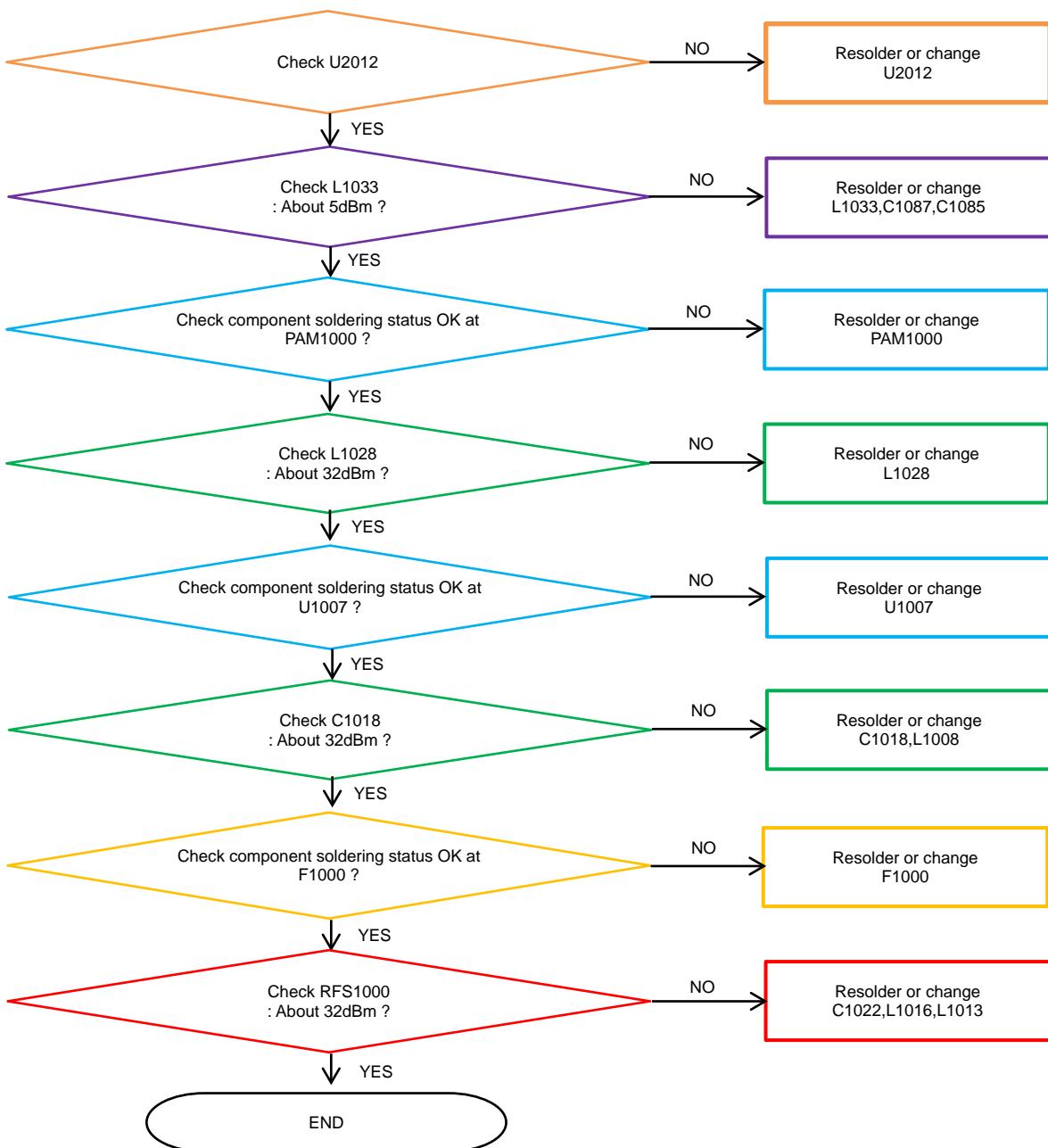
8. Level 3 Repair

8-4-32. LTE B40 RX



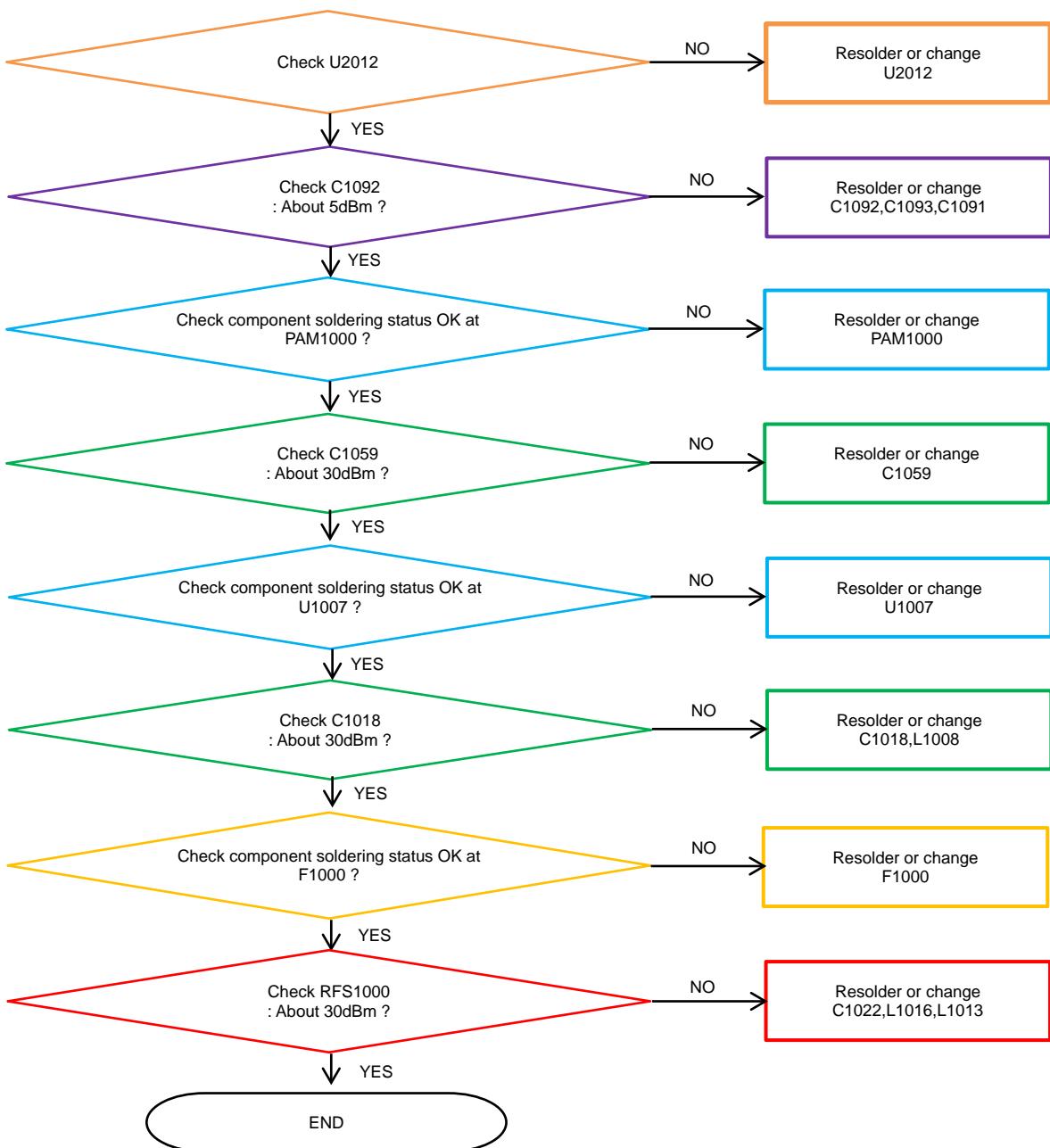
8. Level 3 Repair

8-4-33. GSM 850 / GSM900 TX



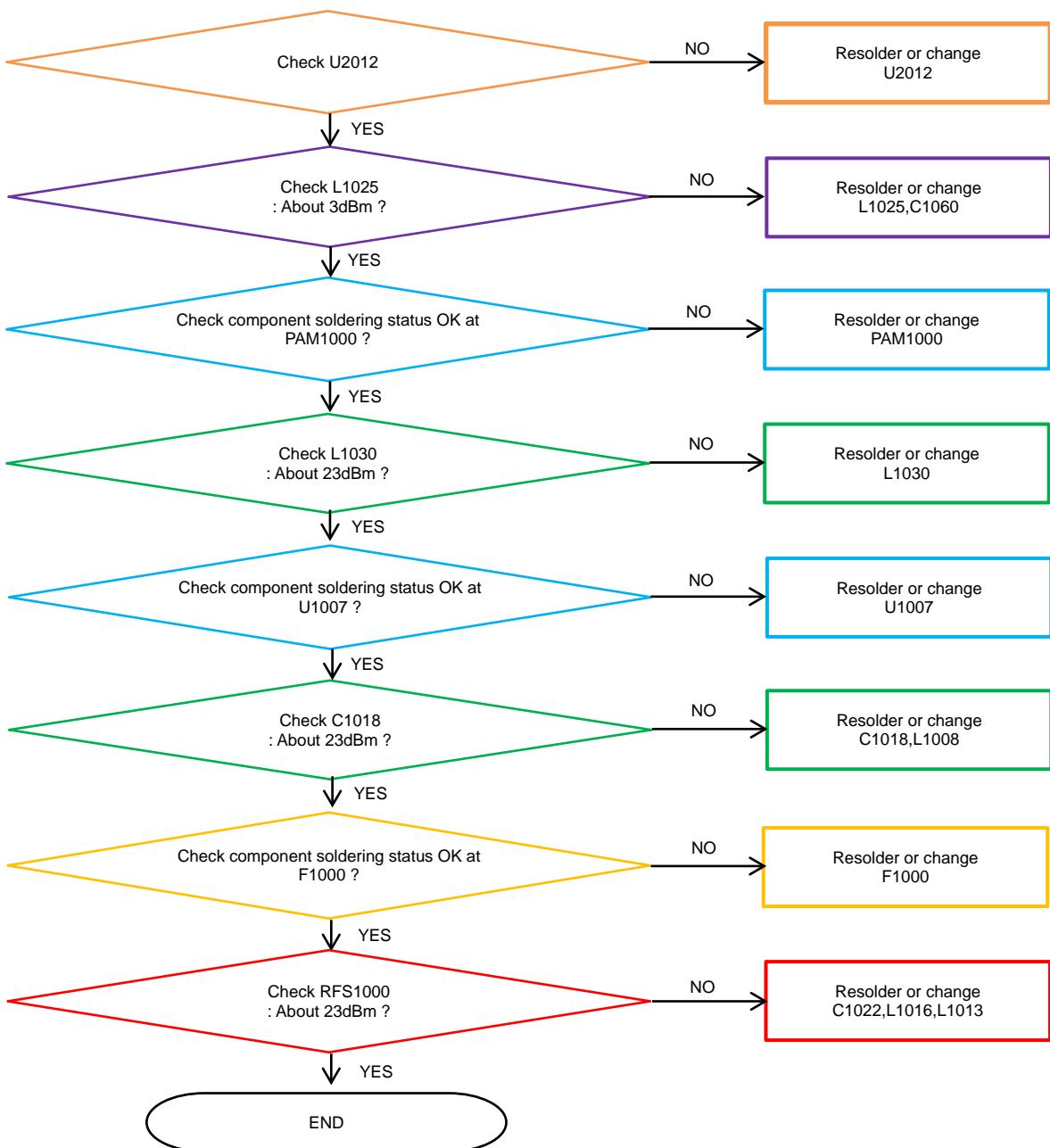
8. Level 3 Repair

8-4-34. GSM1800/ GSM1900 TX



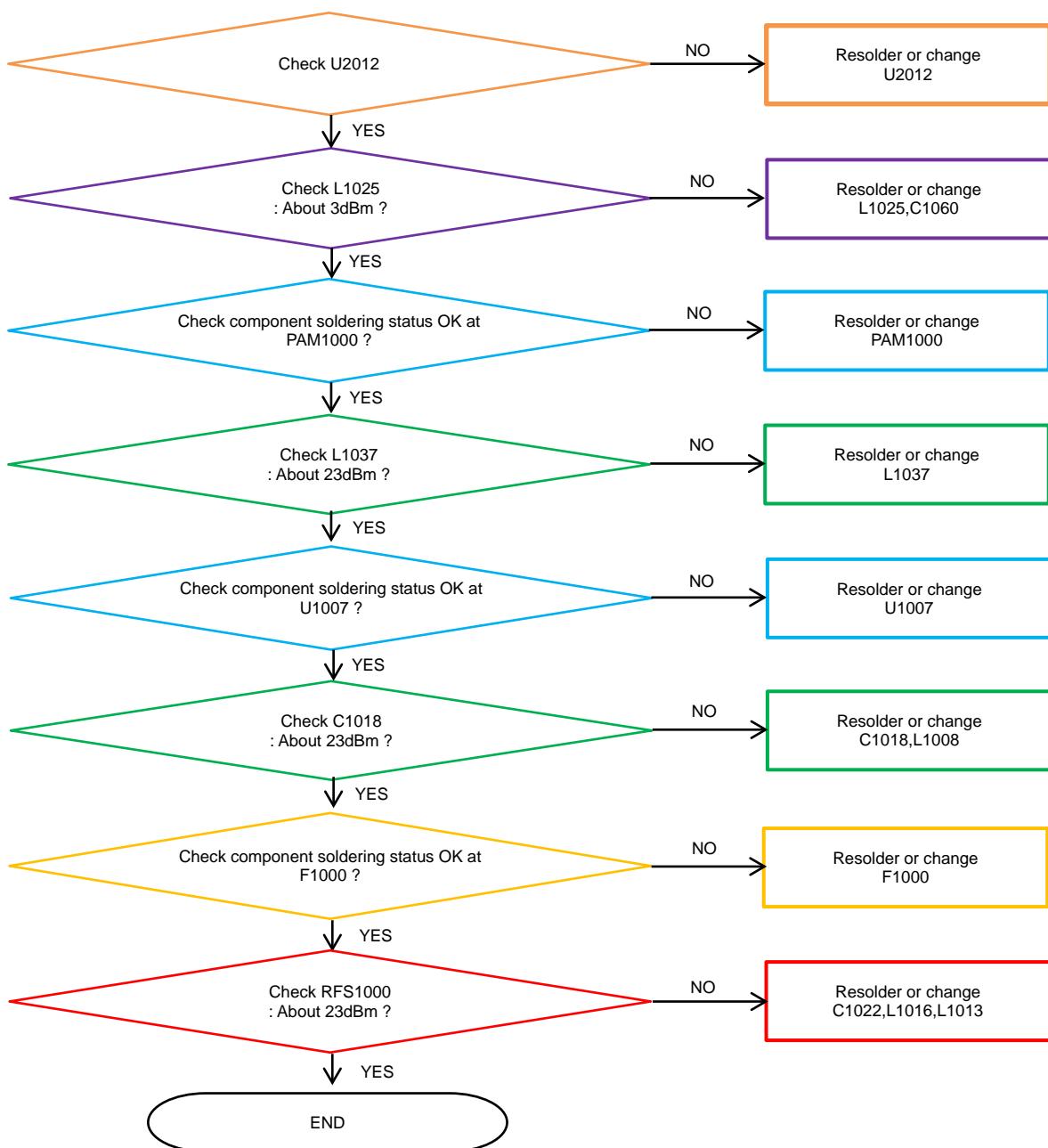
8. Level 3 Repair

8-4-35. LTE, WCDMA B1 TX



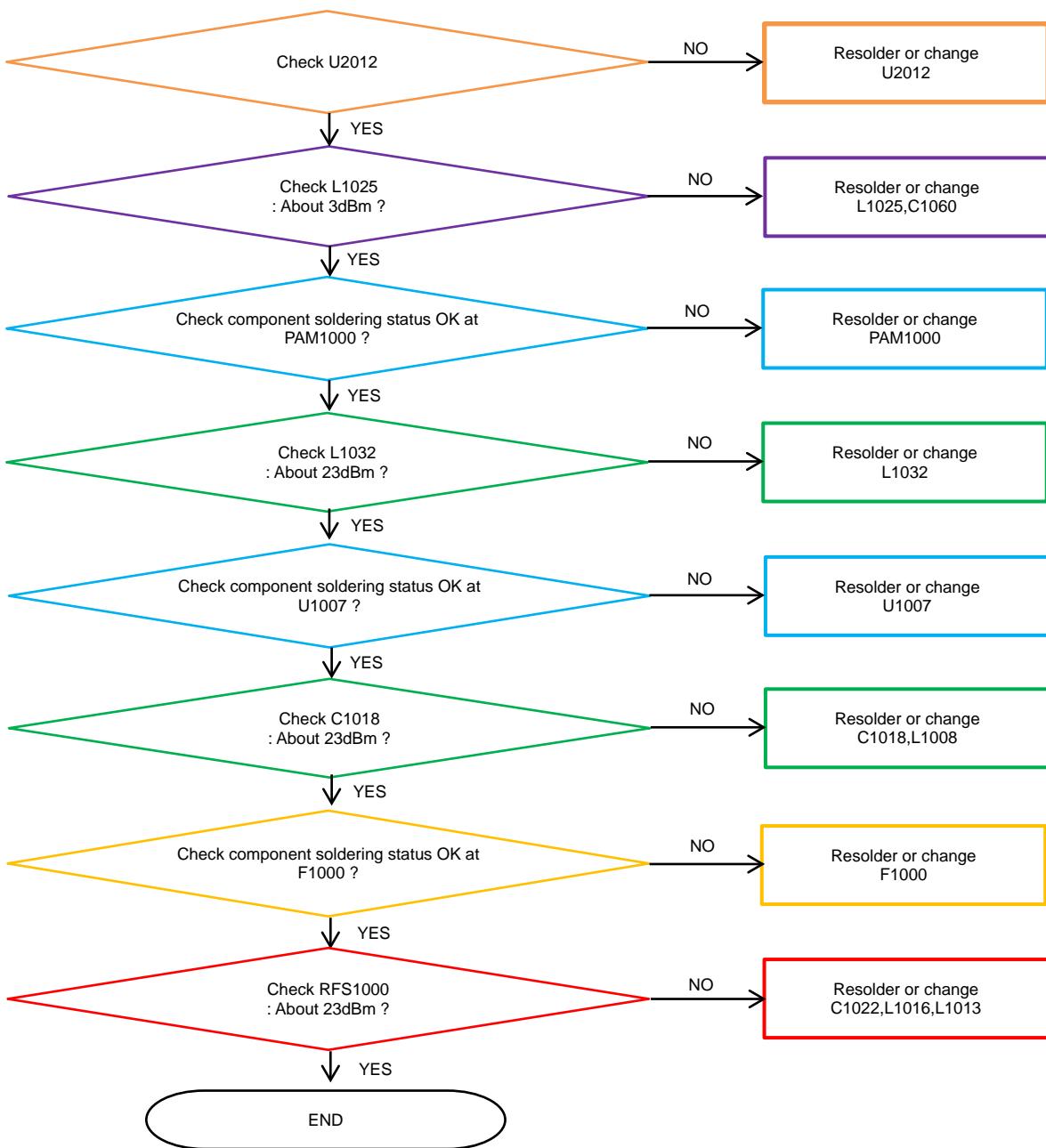
8. Level 3 Repair

8-4-36. WCDMA B2 TX, LTE B2 [SM-A205G/GN]



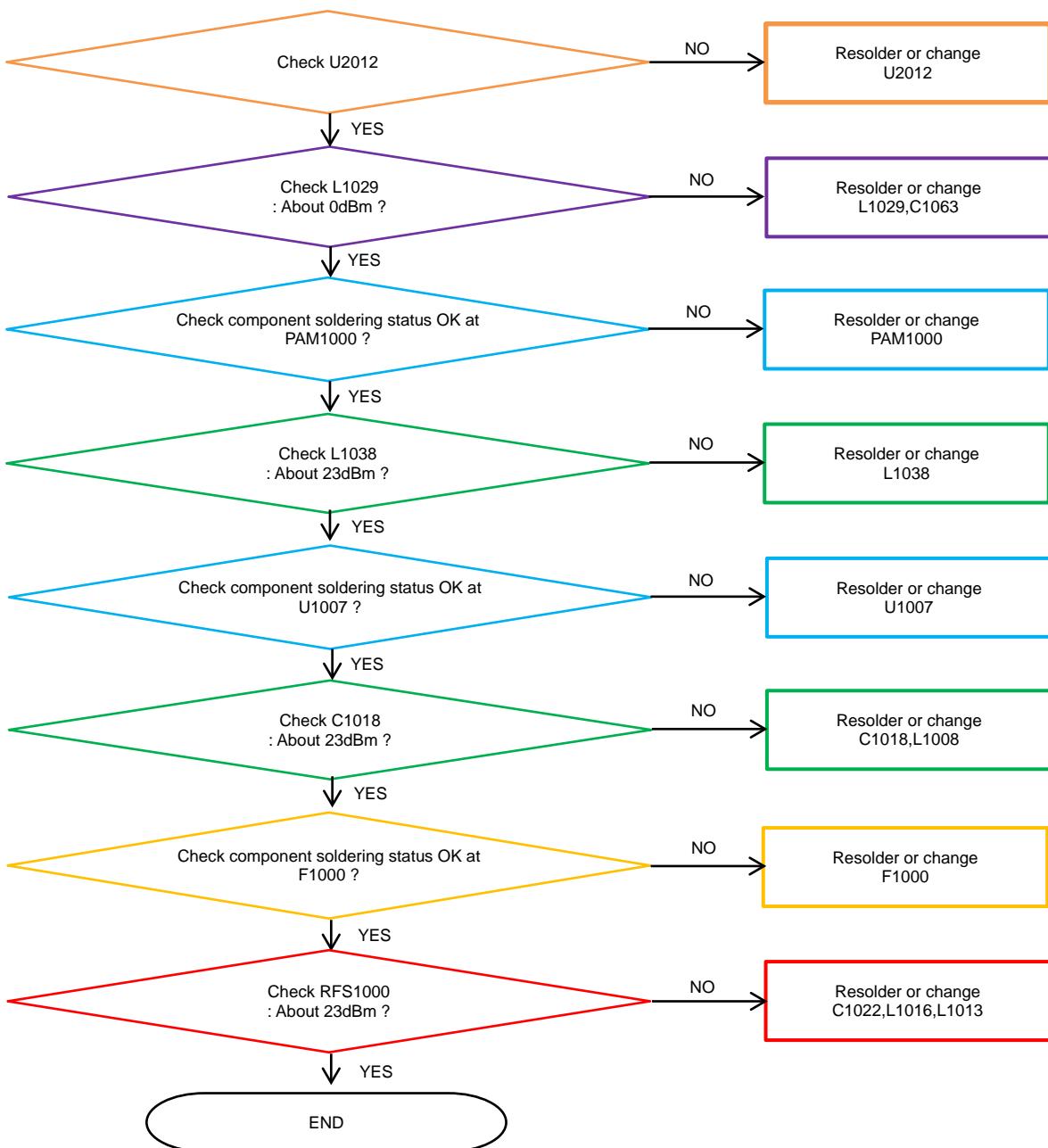
8. Level 3 Repair

8-4-37. LTE B3 TX



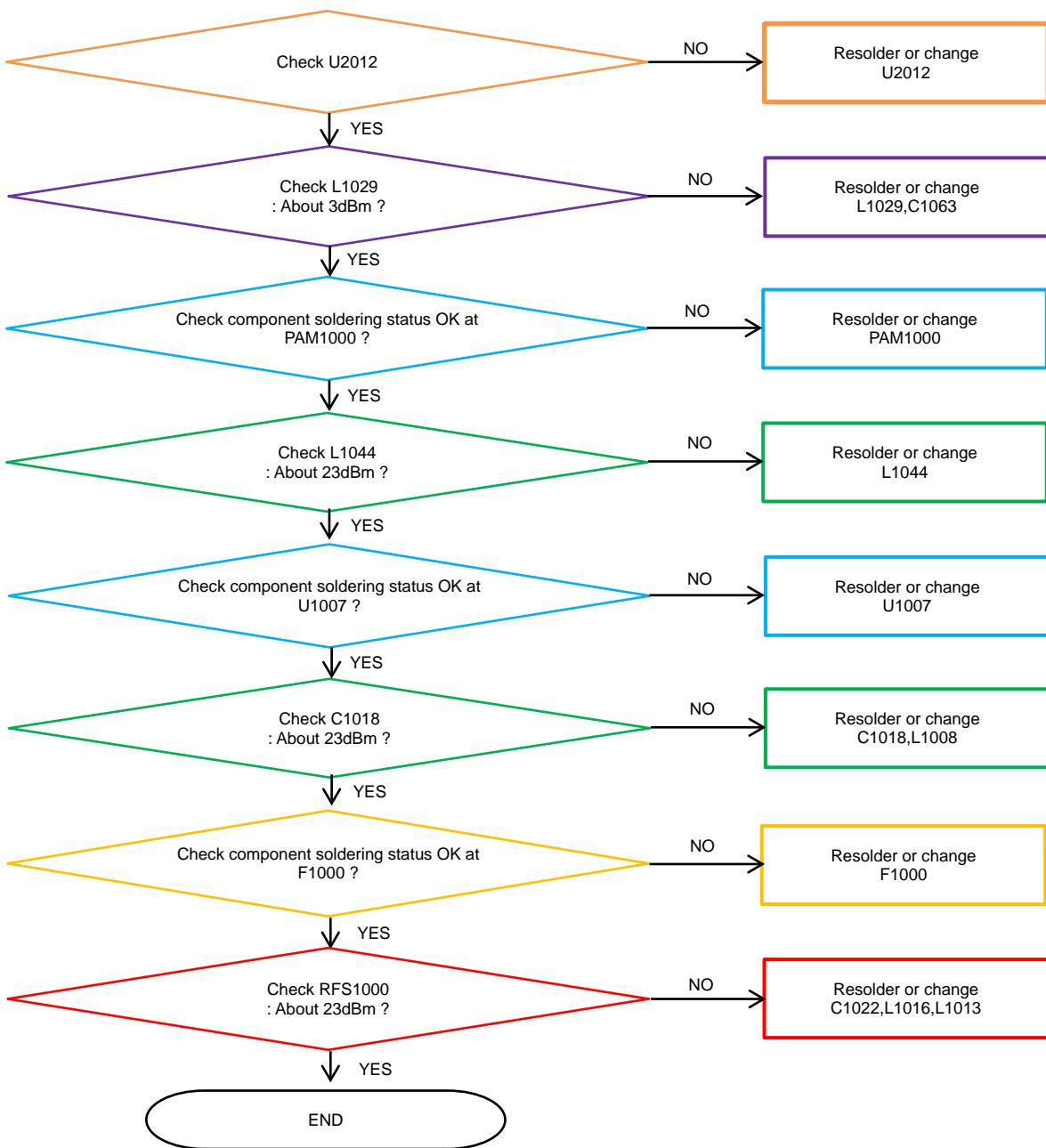
8. Level 3 Repair

8-4-38. LTE, WCDMA B5 TX



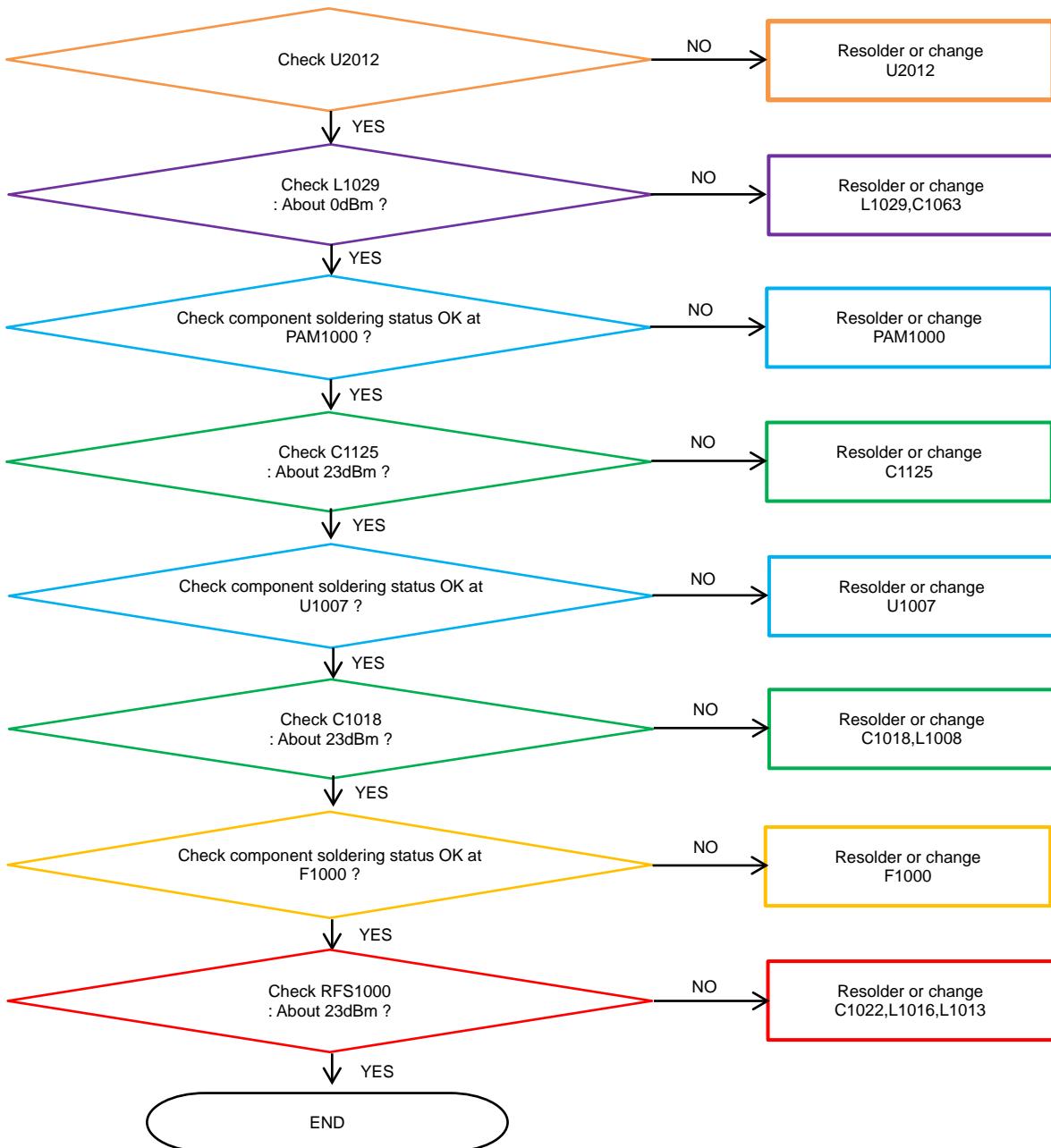
8. Level 3 Repair

8-4-39. LTE, WCDMA B8 TX



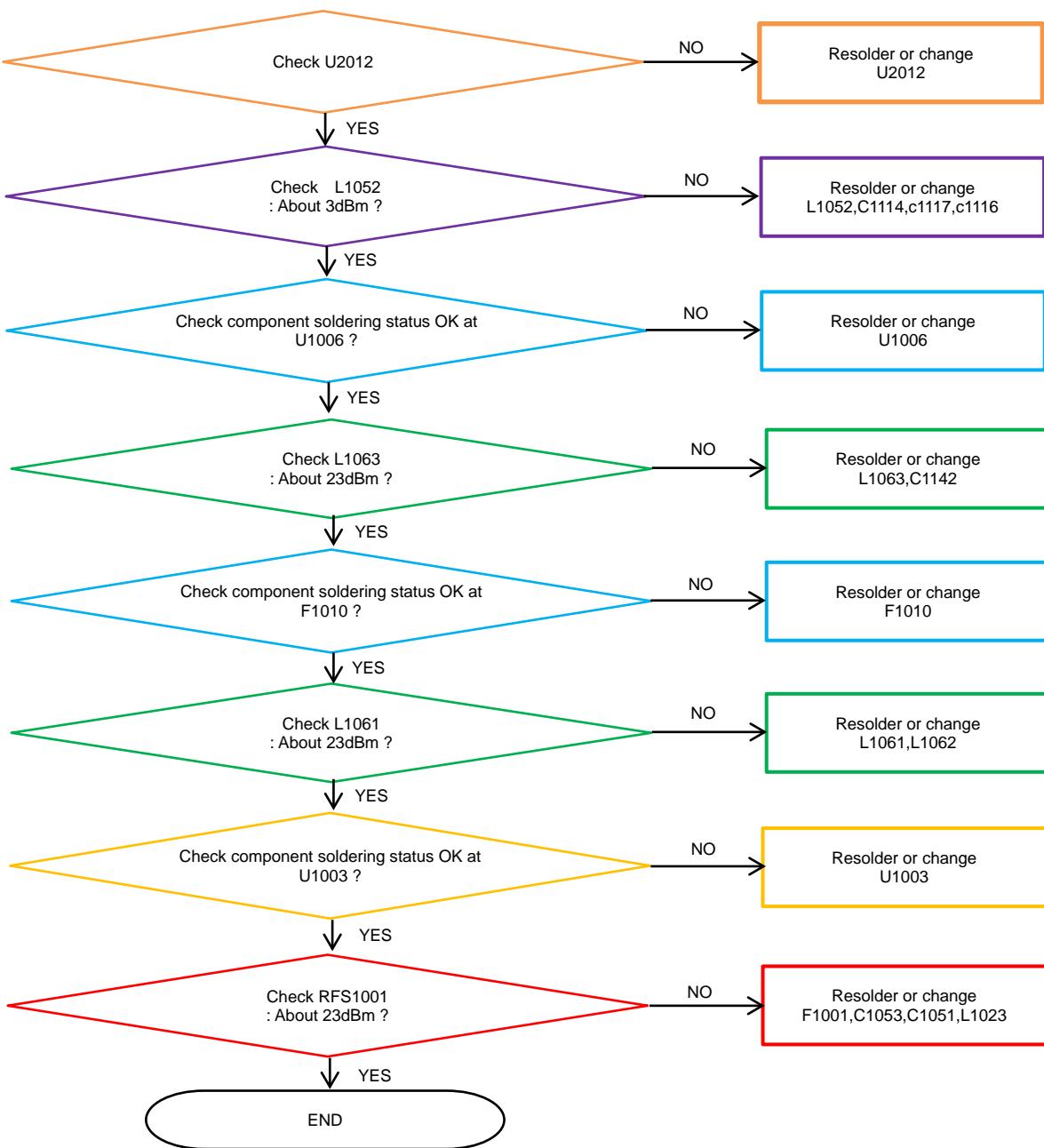
8. Level 3 Repair

8-4-40. LTE B20 TX



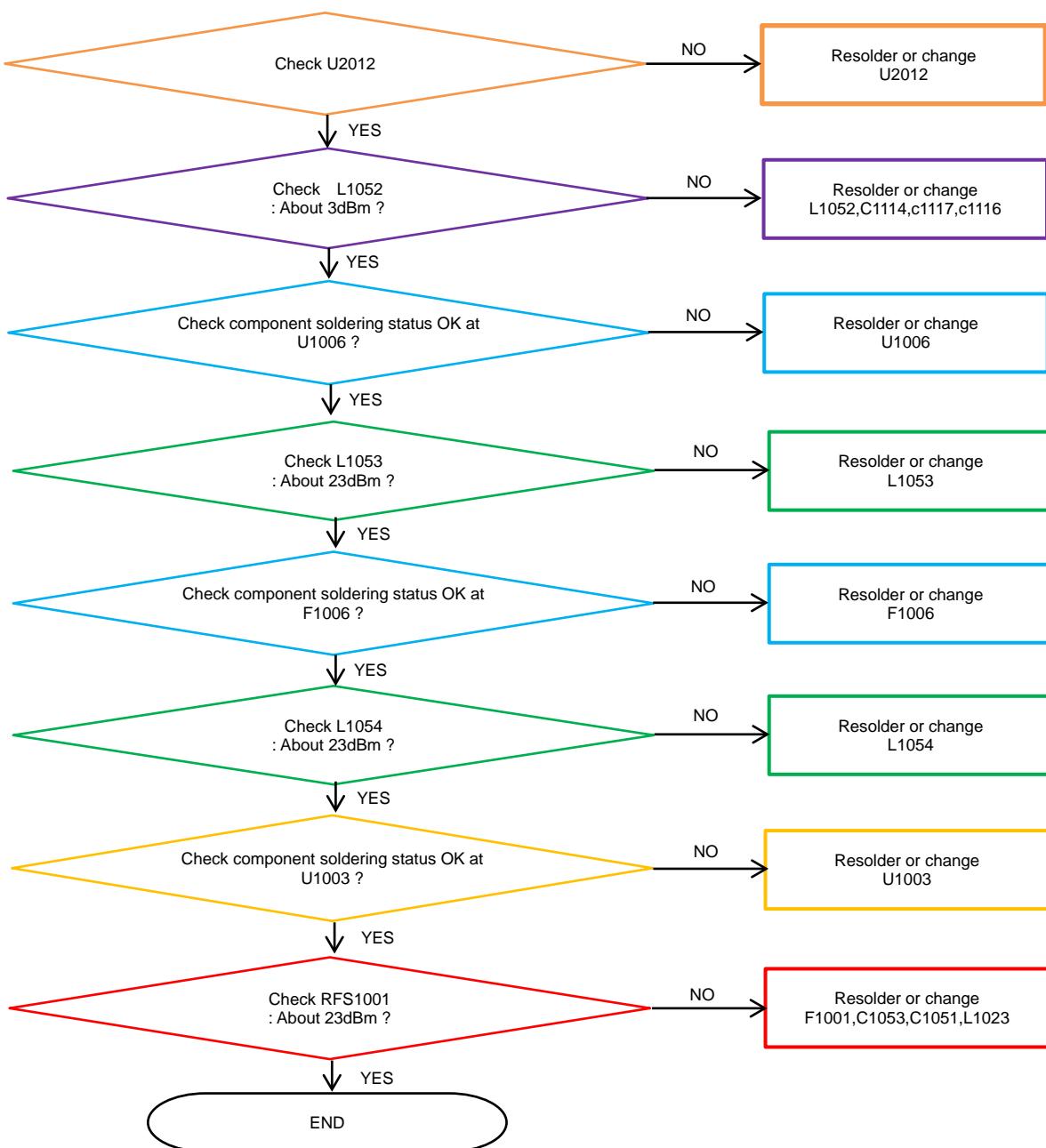
8. Level 3 Repair

8-4-41. LTE B7 TX



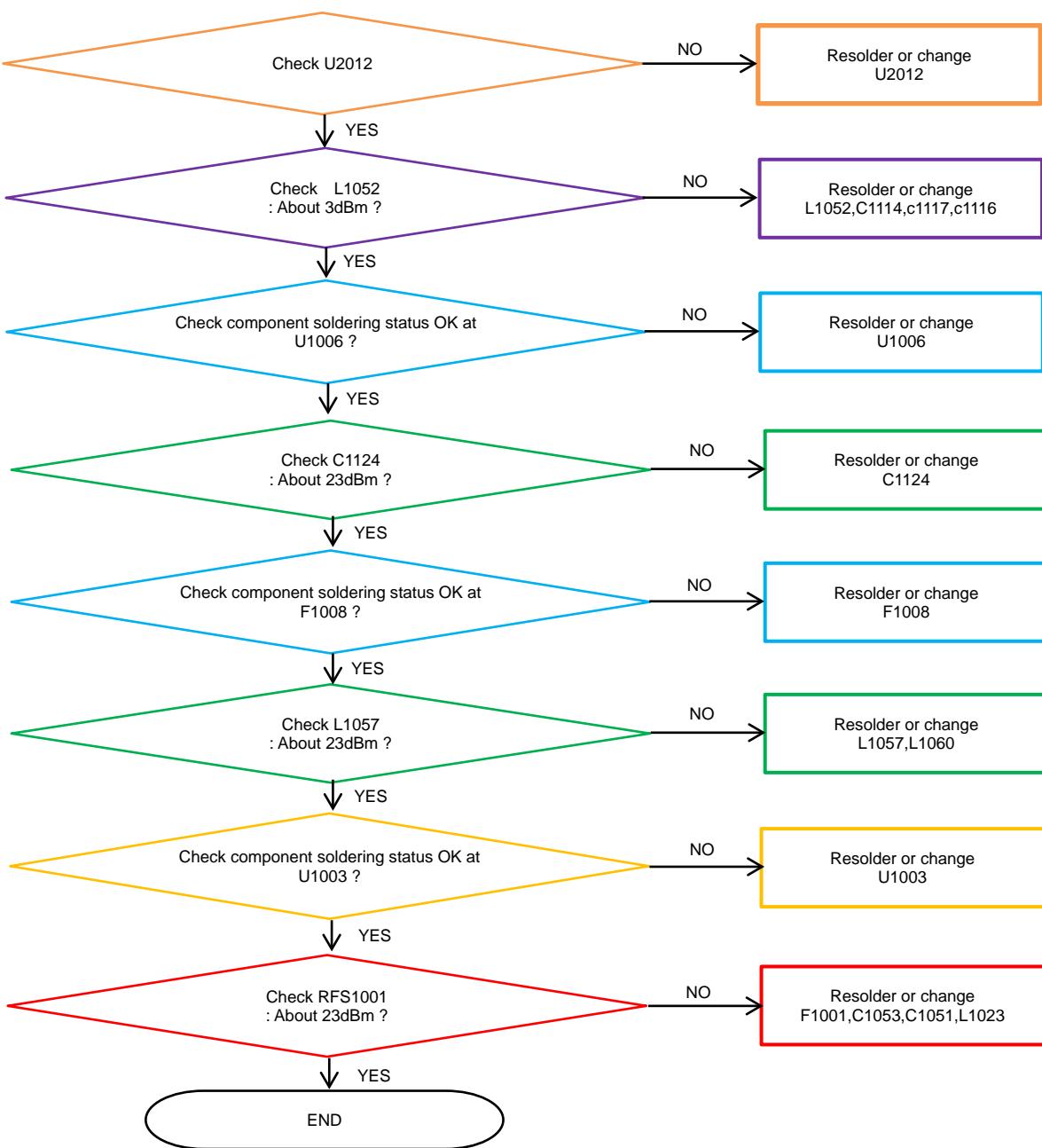
8. Level 3 Repair

8-4-42. LTE B38, 41 TX



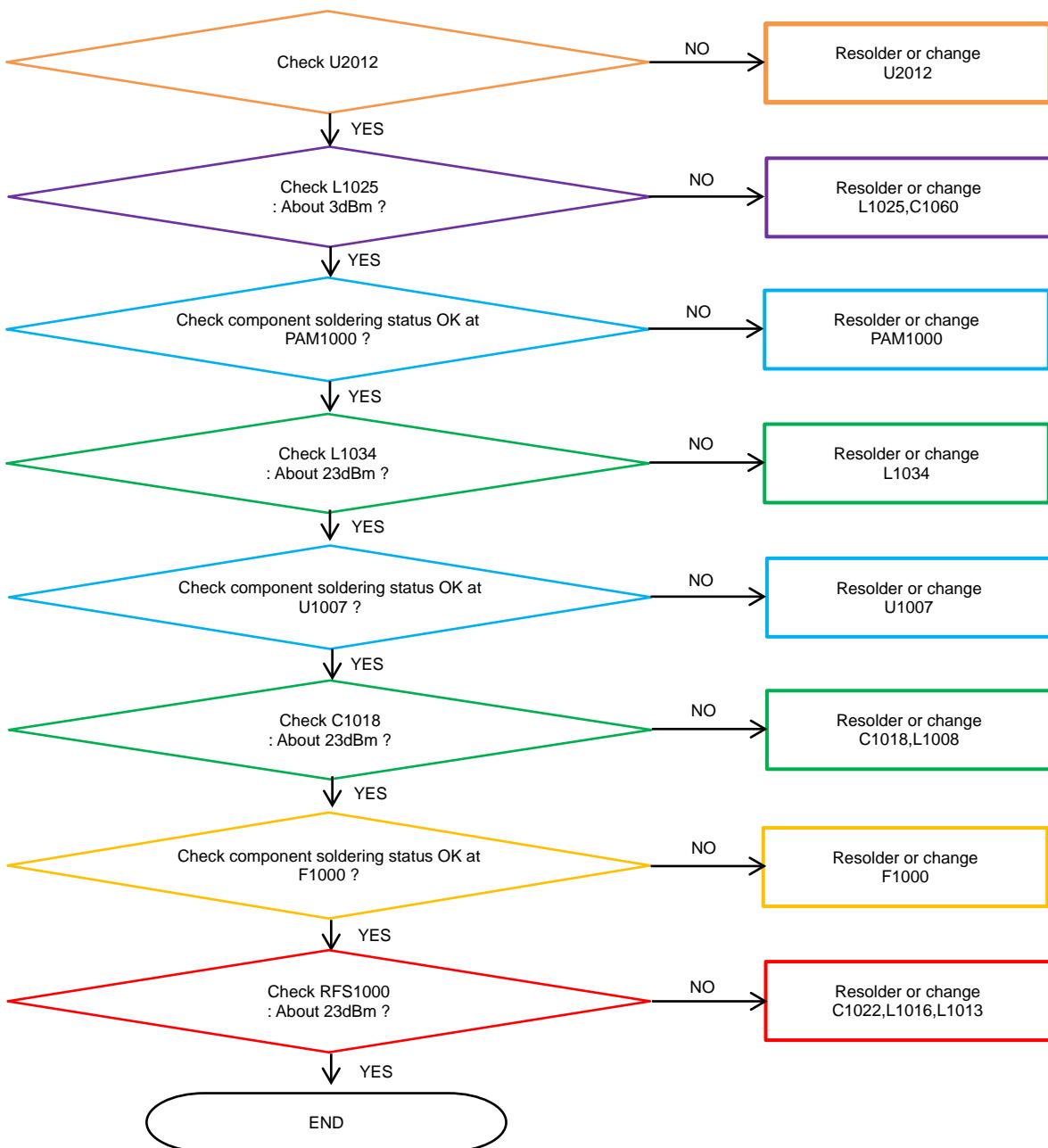
8. Level 3 Repair

8-4-43. LTE B40 TX



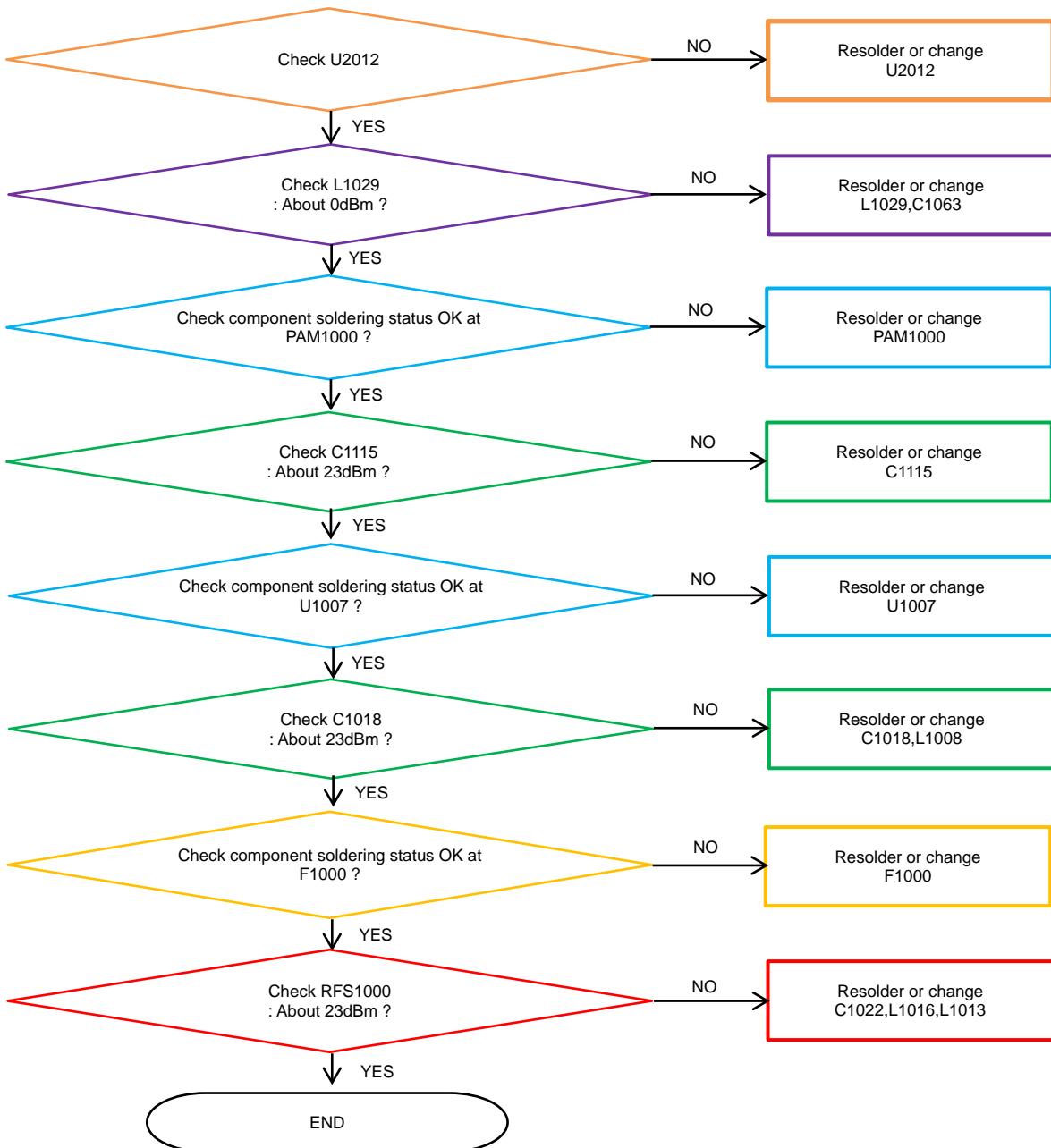
8. Level 3 Repair

8-4-44. WCDMA B4, LTE B4/B66 TX [SM-A205G/GN]



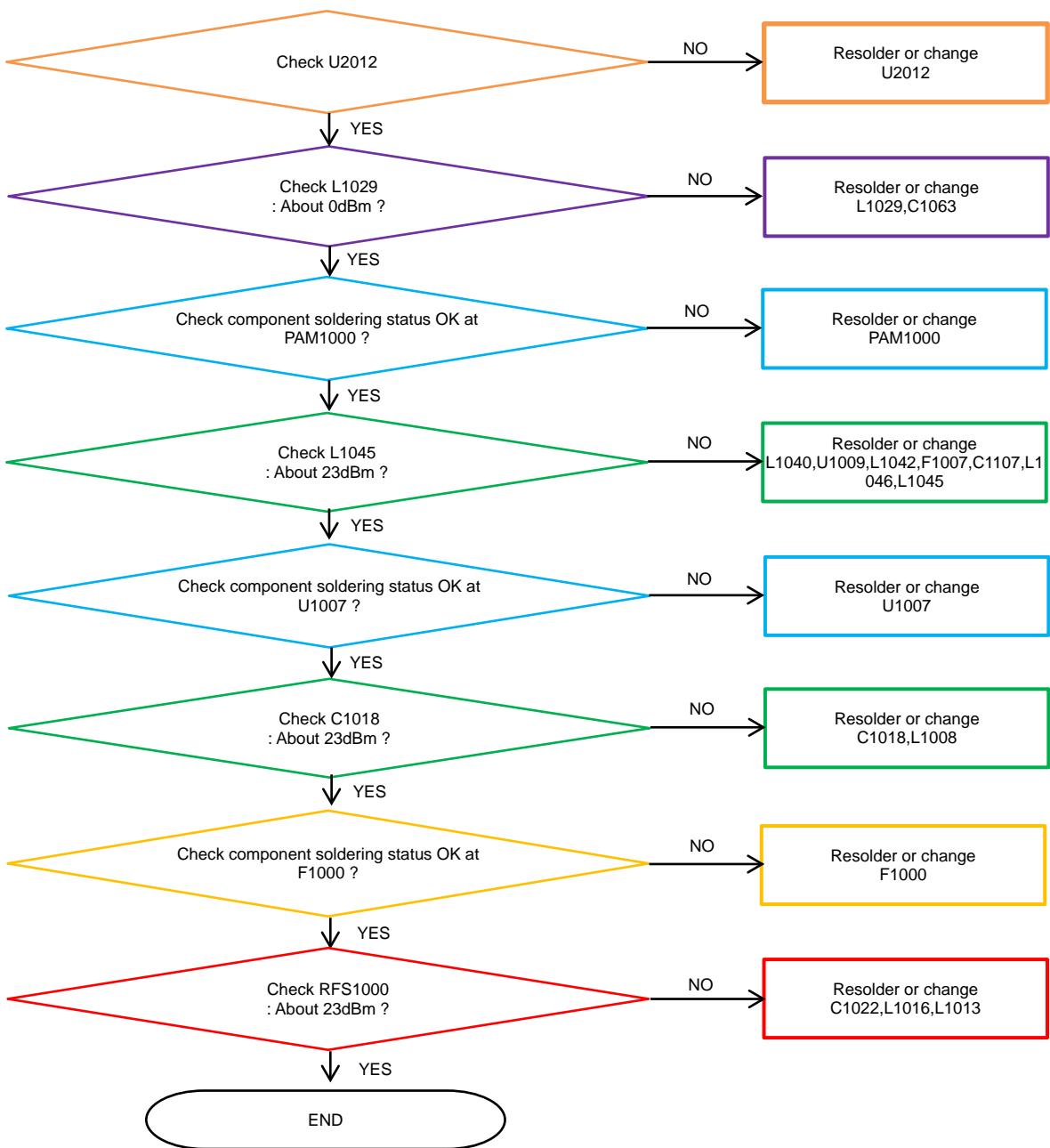
8. Level 3 Repair

8-4-45. LTE B12/B17 TX [SM-A205G/GN]



8. Level 3 Repair

8-4-46. LTE B13 TX [SM-A205G/GN]



8. Level 3 Repair

8-4-47. LTE B28 TX [SM-A205G/GN]

