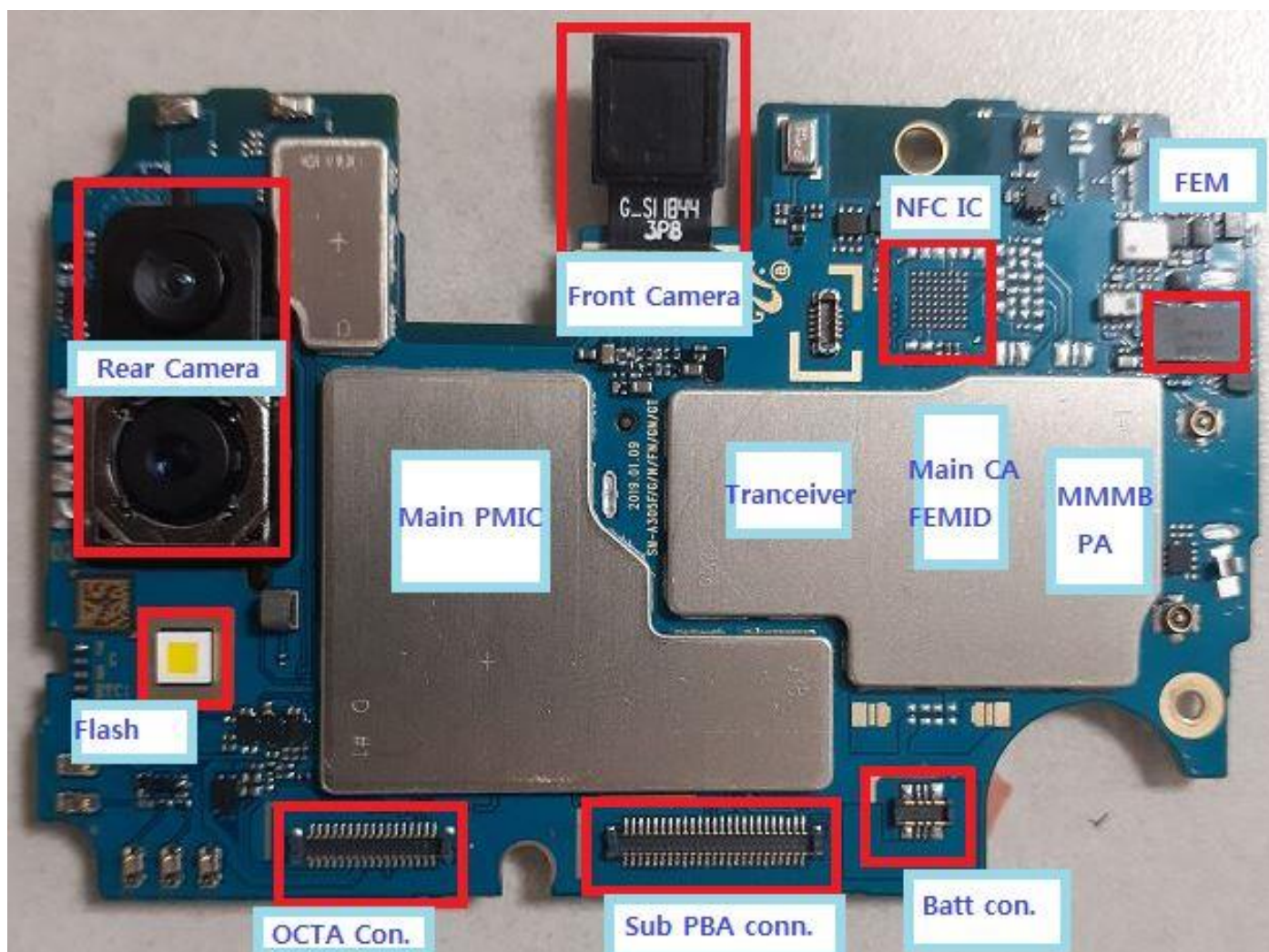


8. Level 3 Repair

8-1. Components Layout

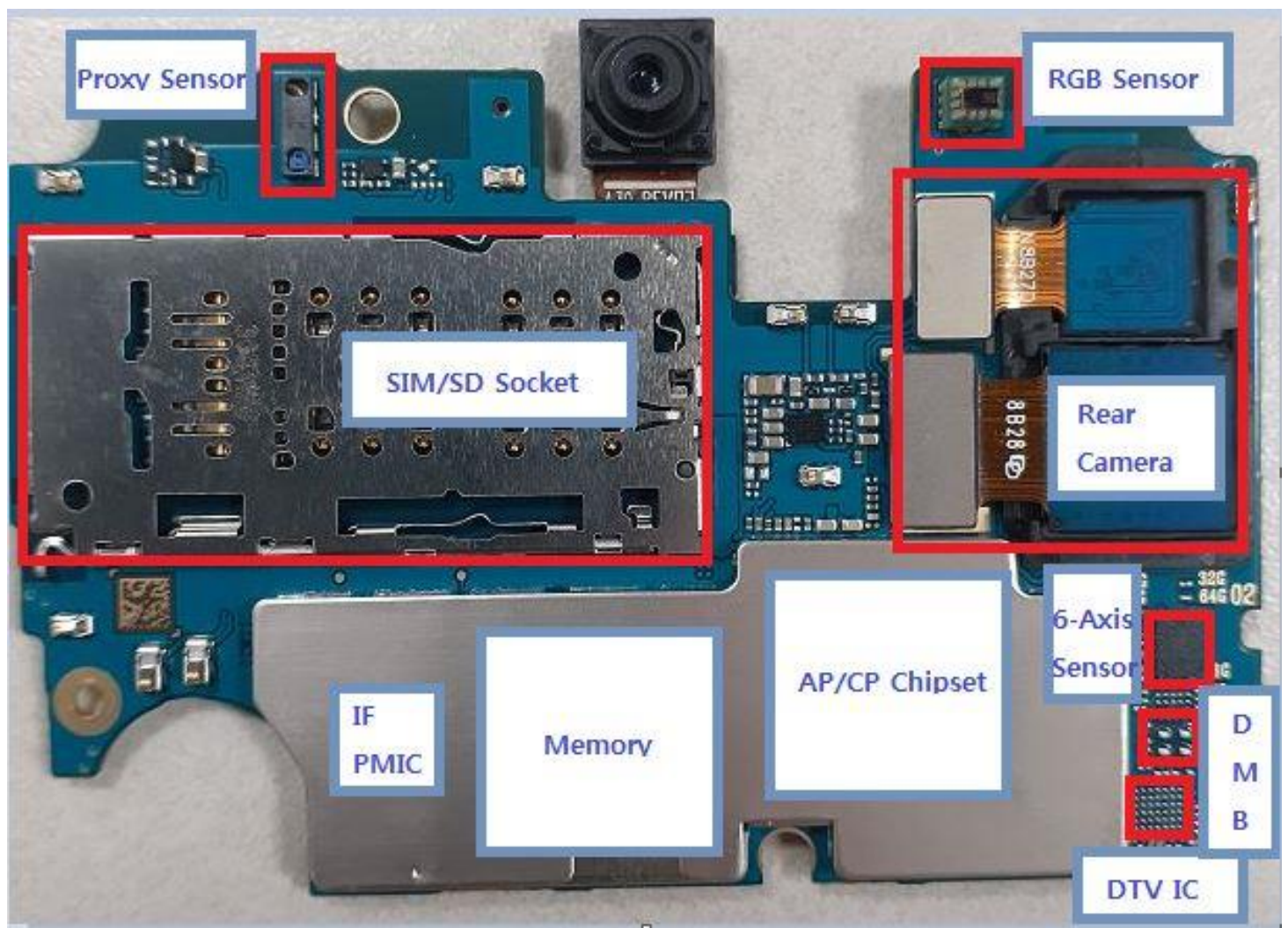


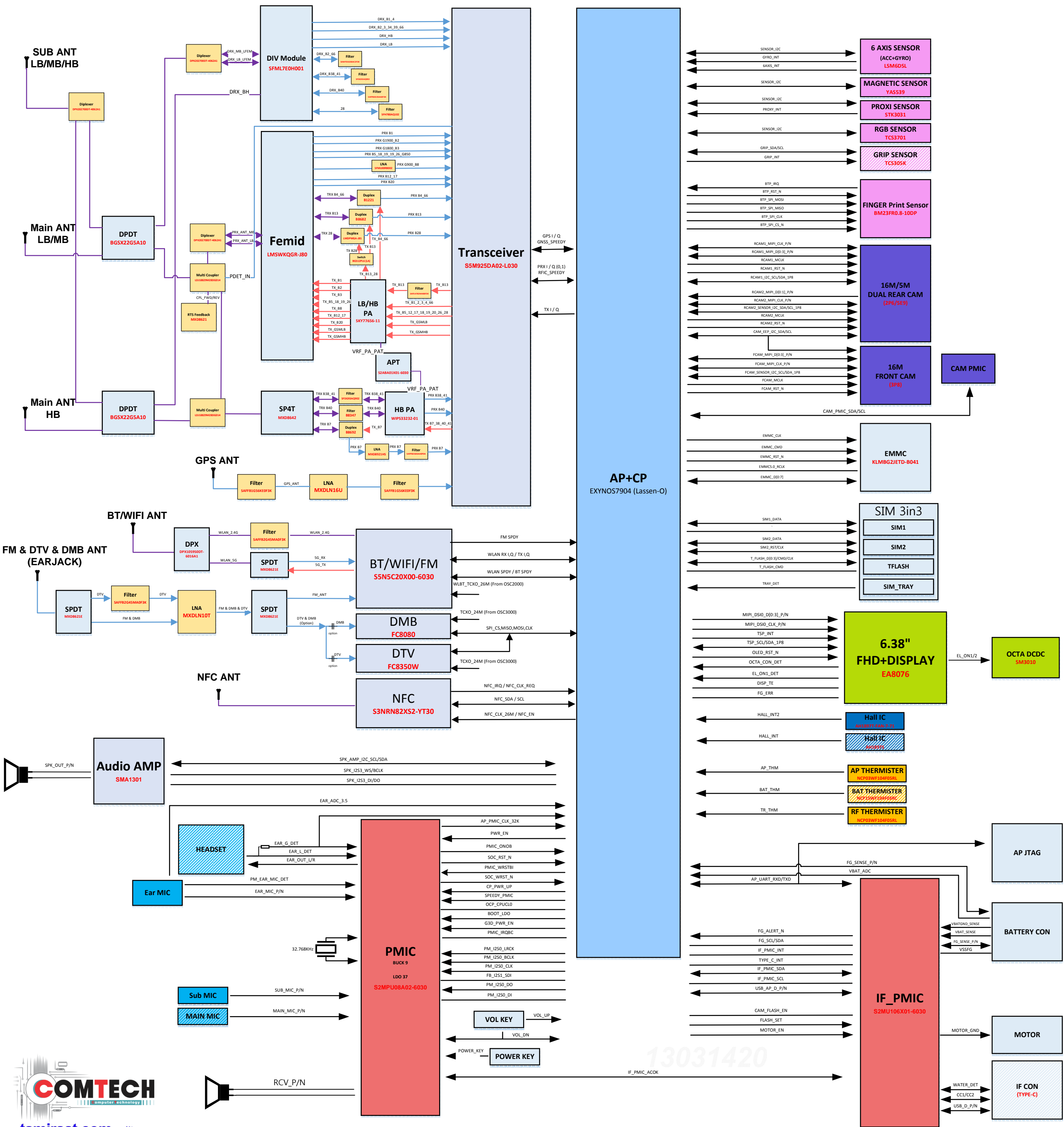
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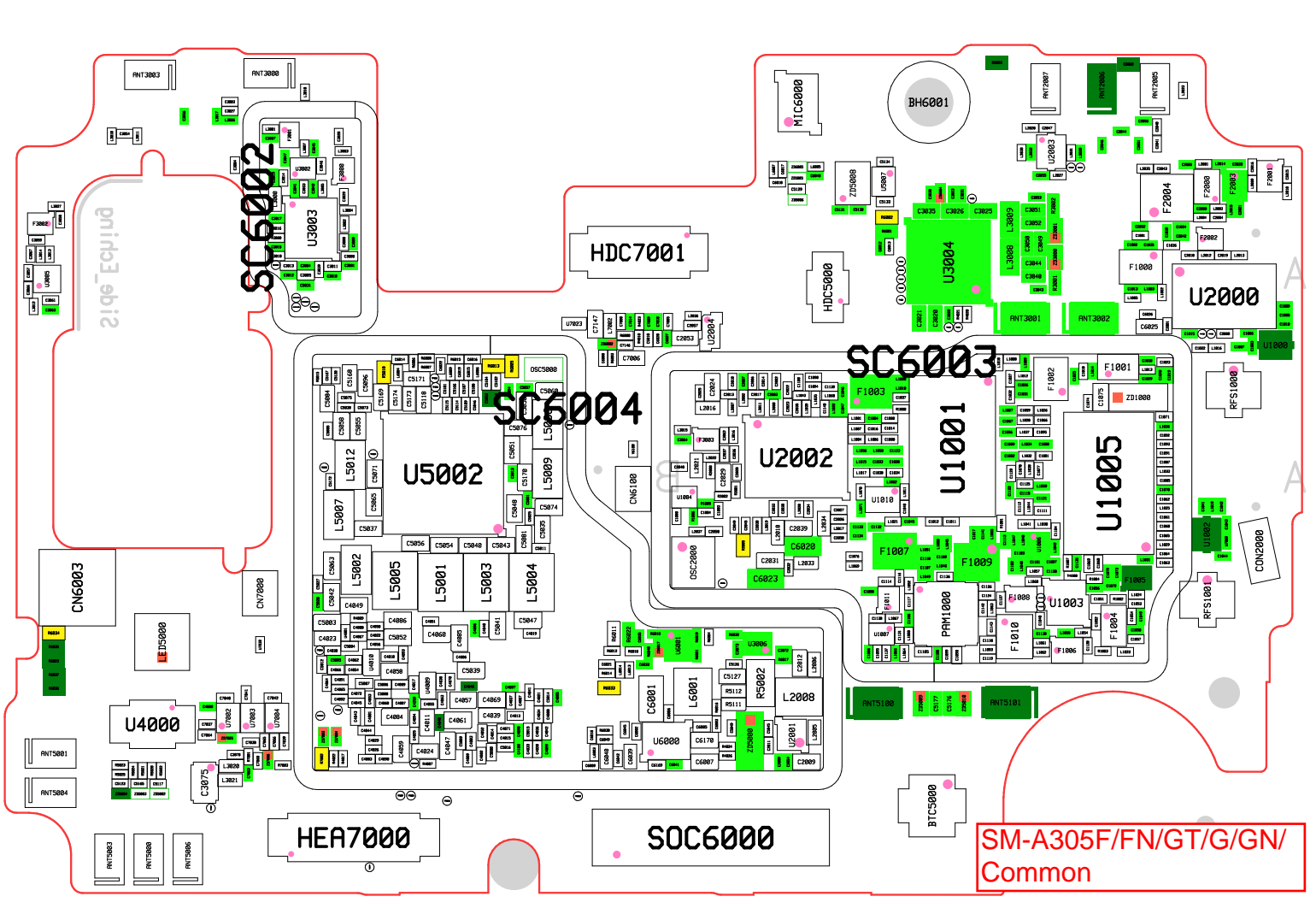
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8. Level 3 Repair







SC6002

HDC7001

BH6001

M1C6000

U2000

SC6004

SC6003

U2002

U1001

U1005

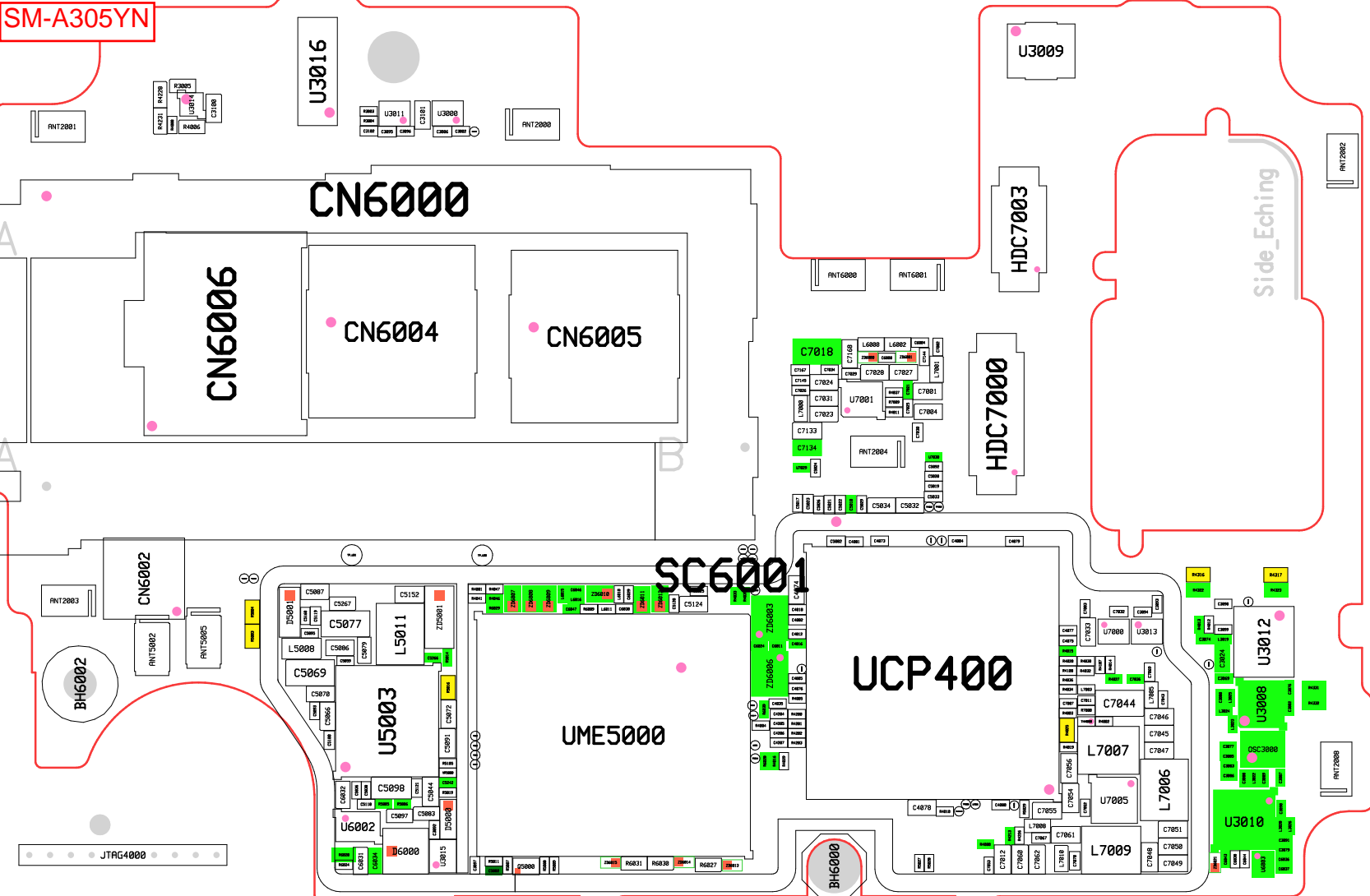
CN6003

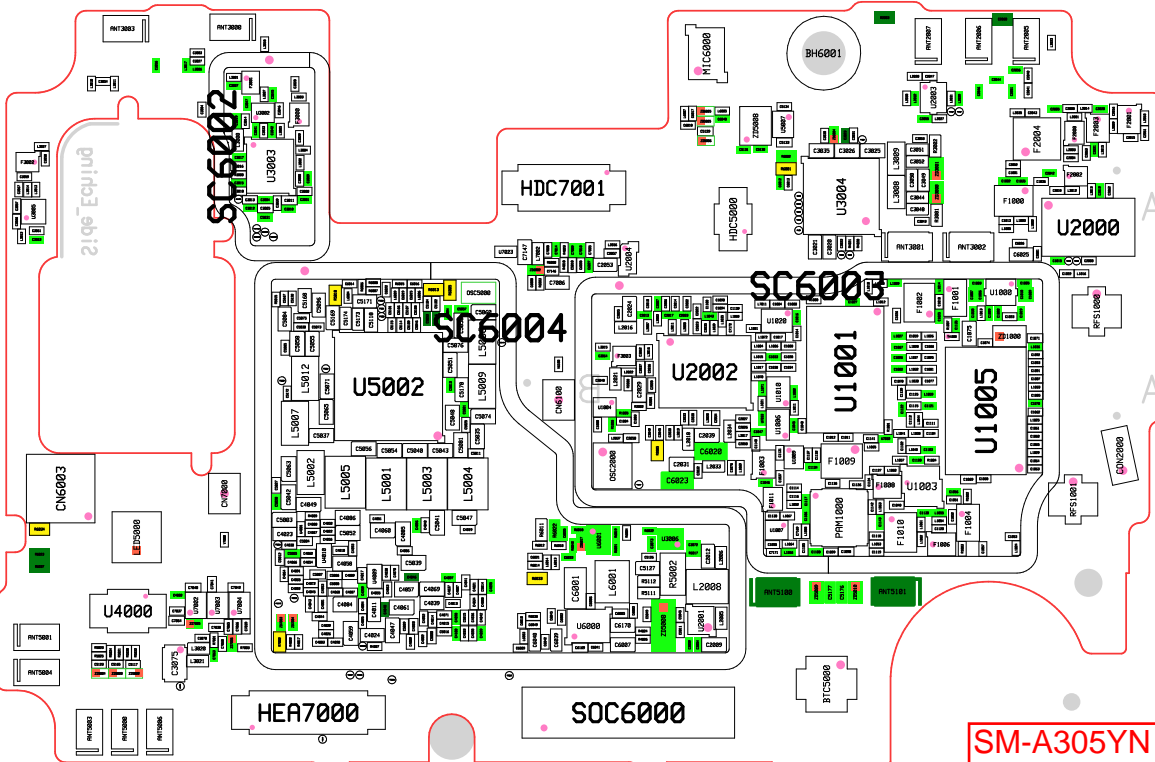
U4000

HEA7000

SOC6000

SM-A305F/FN/GT/G/GN/
Common





219E Equind

SC6002

HDC7001

MIC6000

BH6001

HDC9000

U2000

SC6004

SC6003

U5002

U2002

U1001

U1005

CN6003

U4000

HEA7000

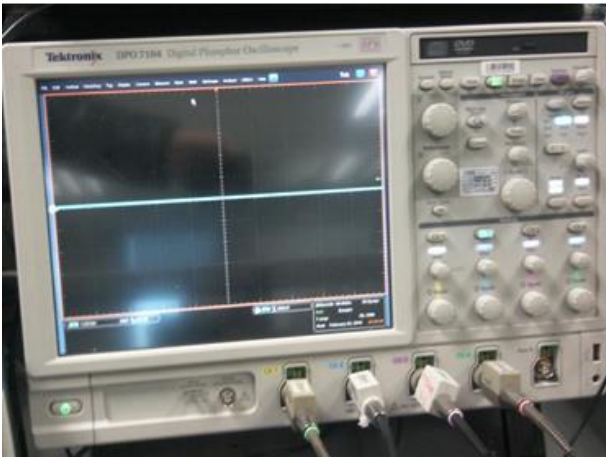
SOC6000

BTC5000

SM-A305YN

8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



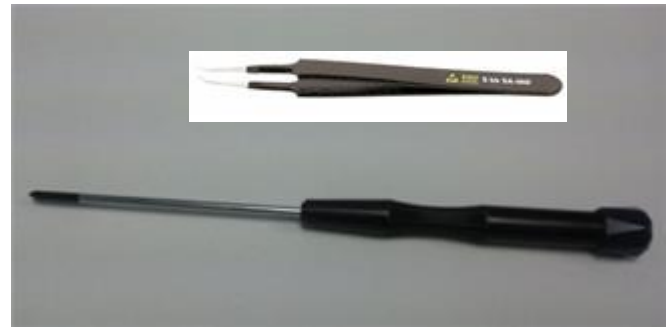
Oscilloscope



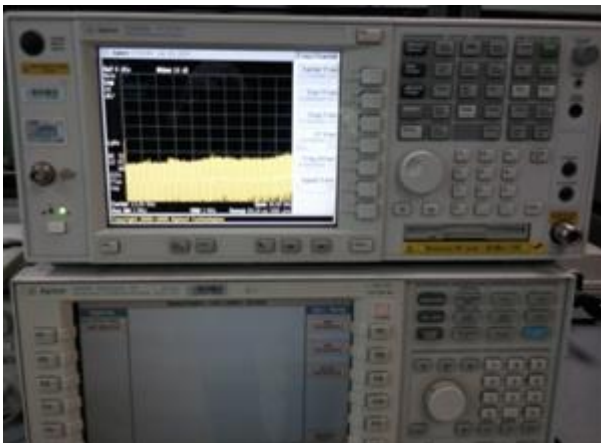
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



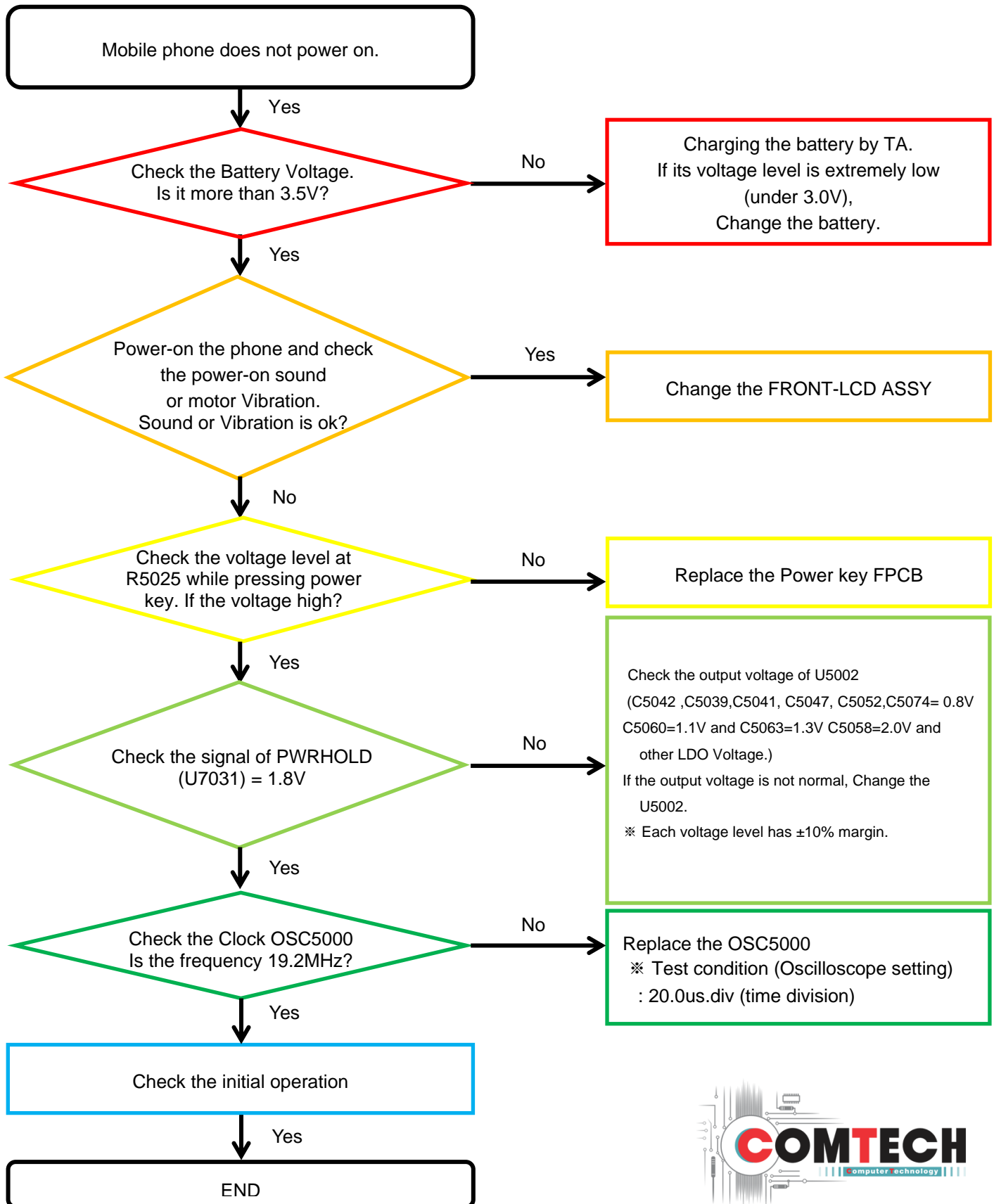
8960 & Spectrum Analyzer



Soldering iron

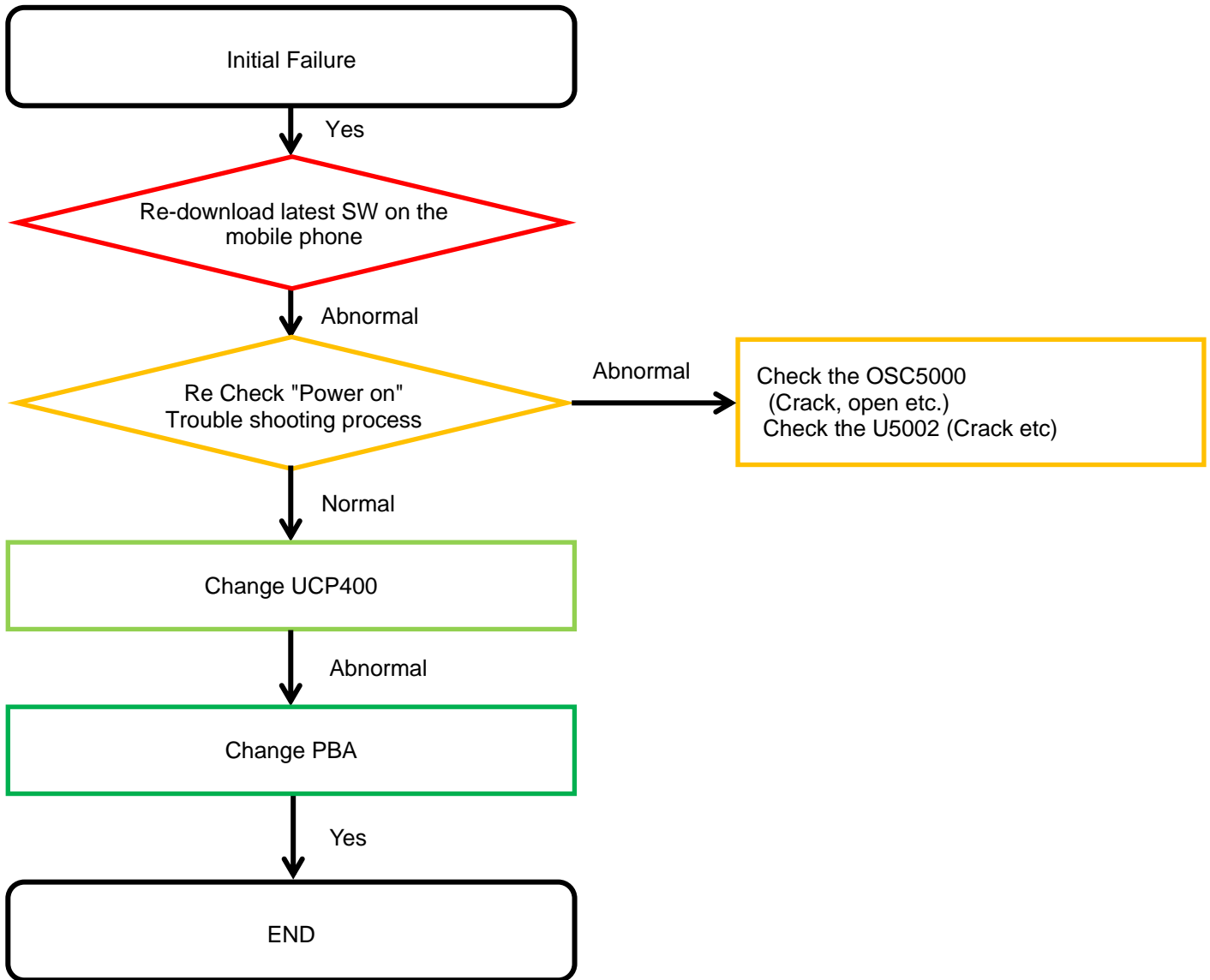
8. Level 3 Repair

8-4-1. Power On



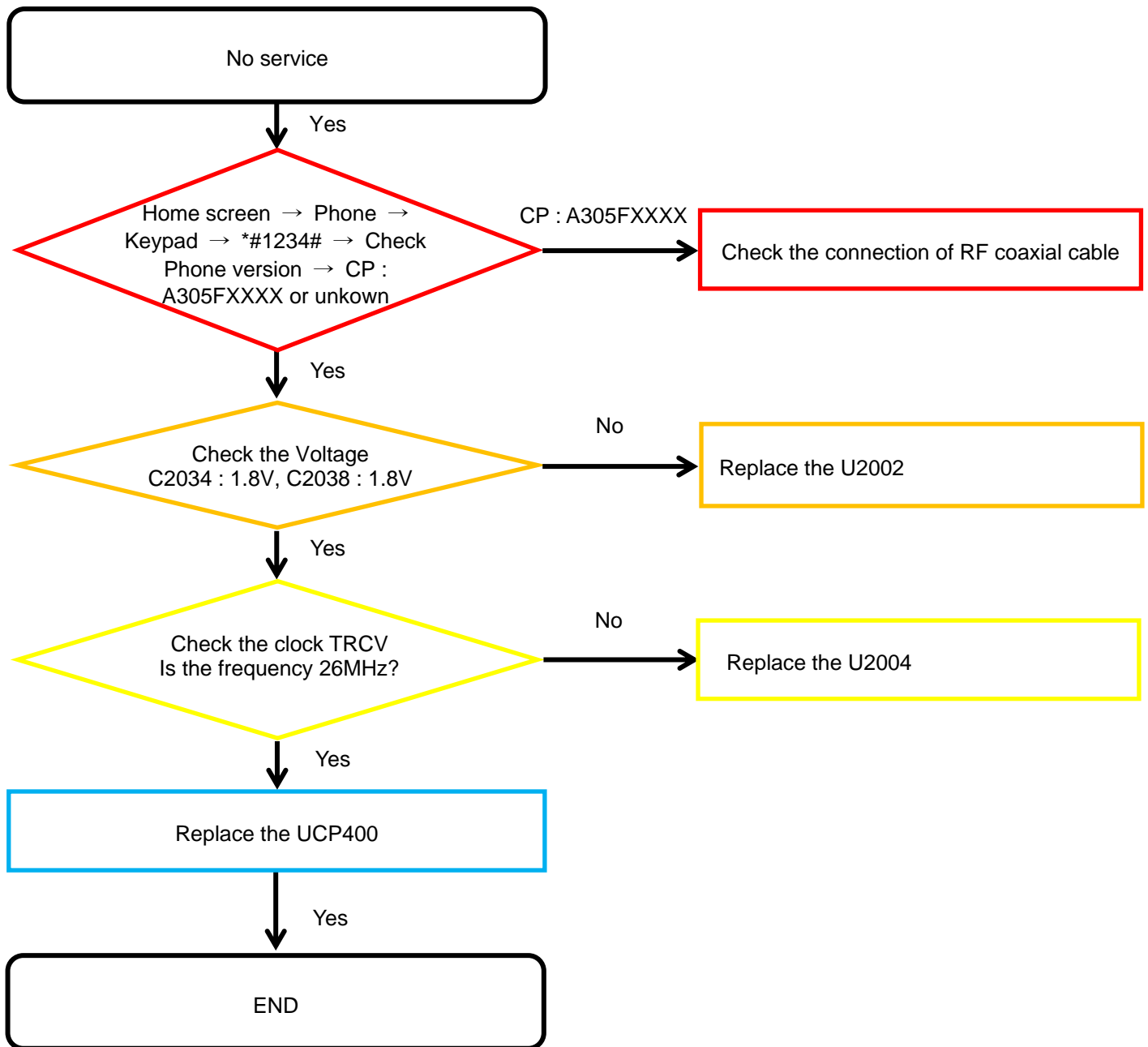
8. Level 3 Repair

8-4-2. Initial



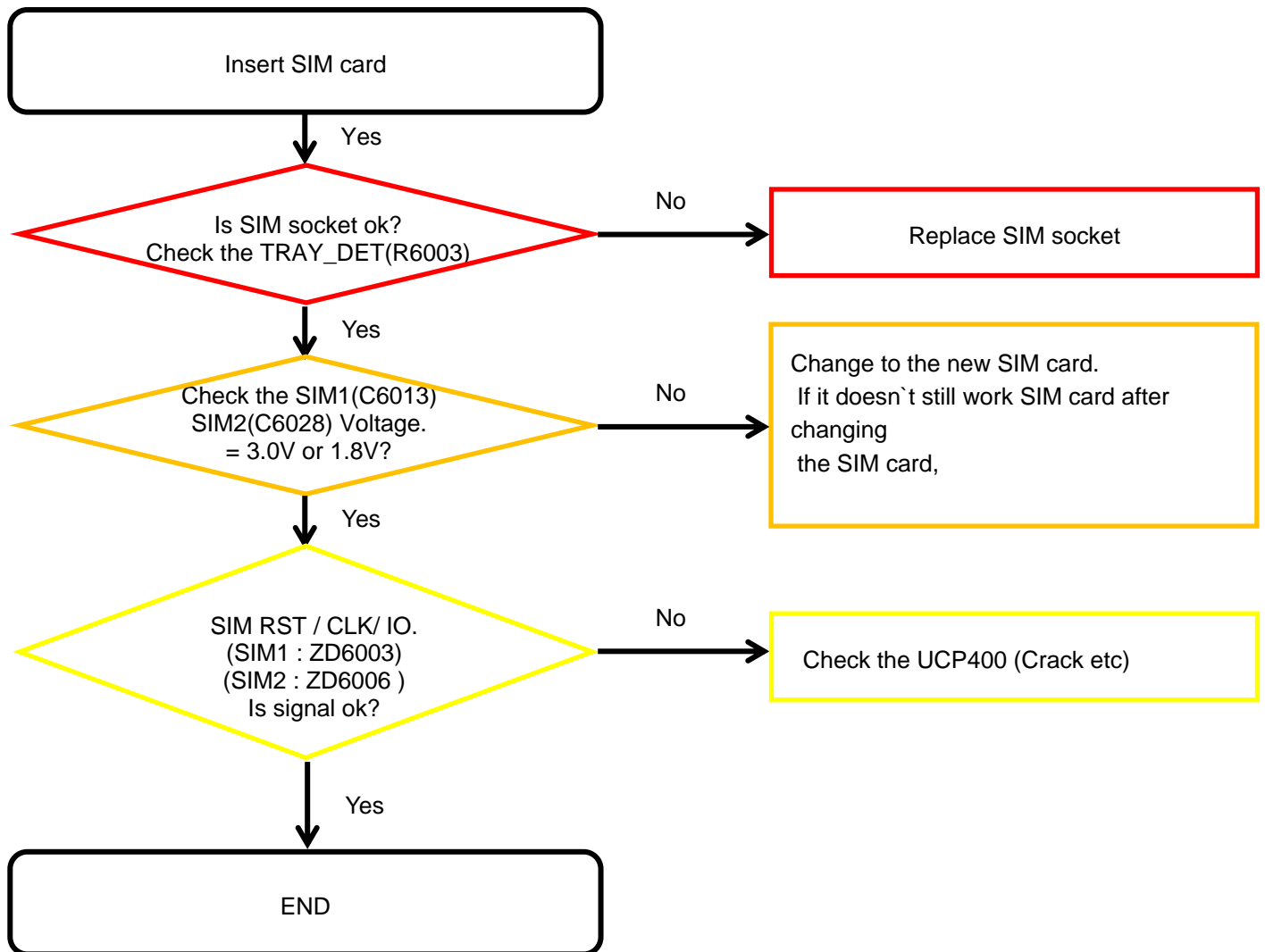
8. Level 3 Repair

8-4-3. No Service



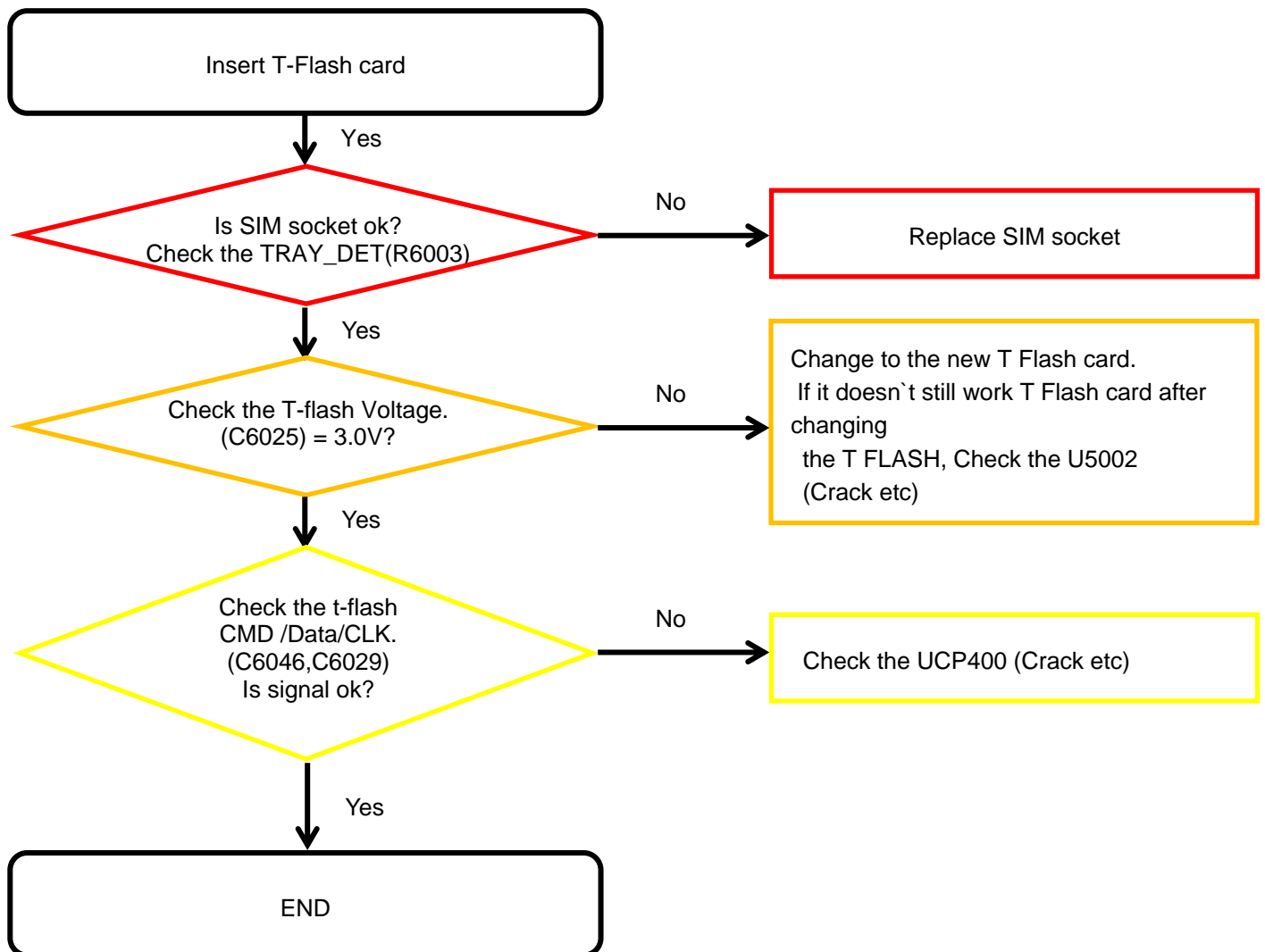
8. Level 3 Repair

8-4-4. SIM Part



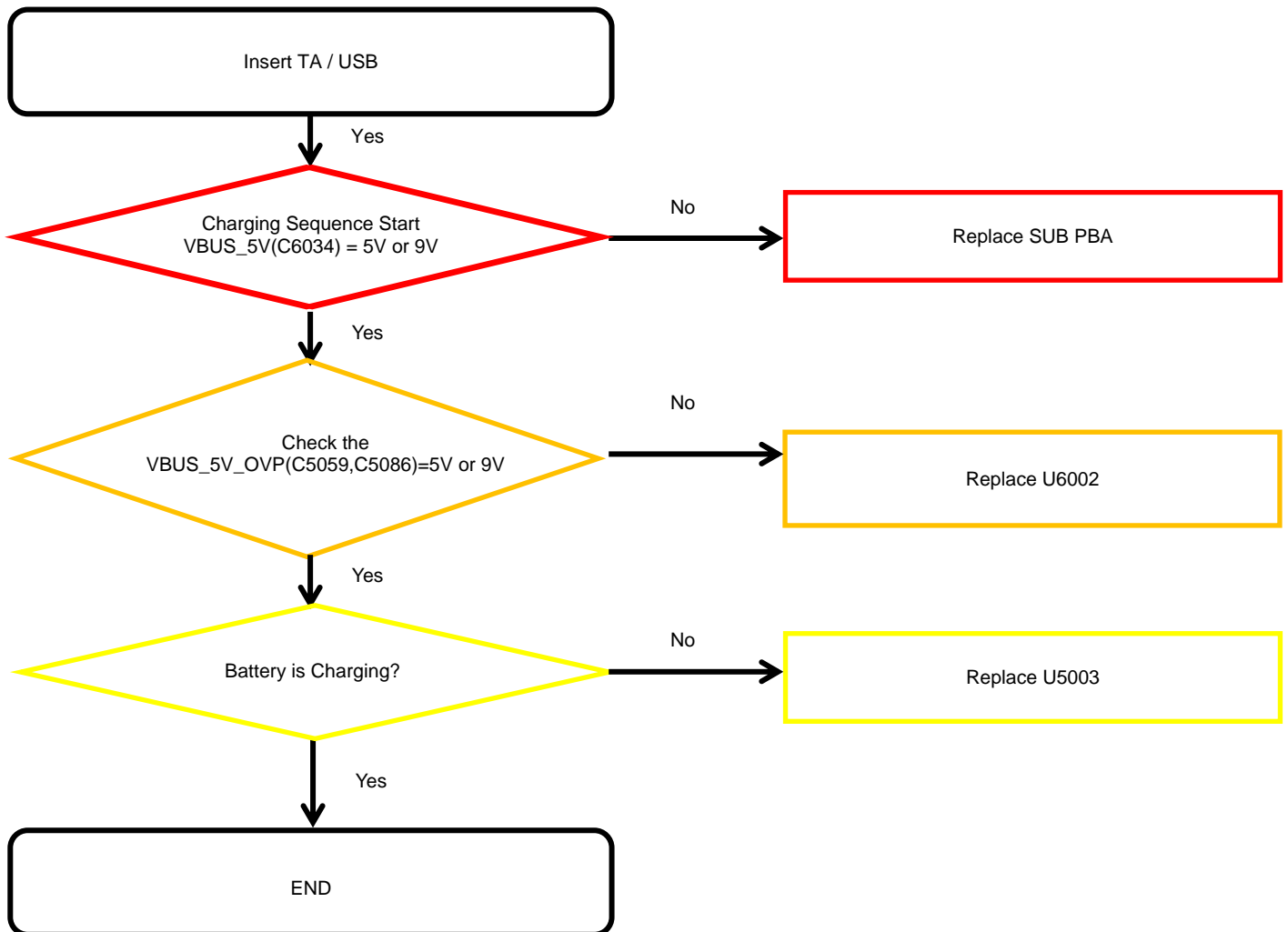
8. Level 3 Repair

8-4-5. T-Flash Part



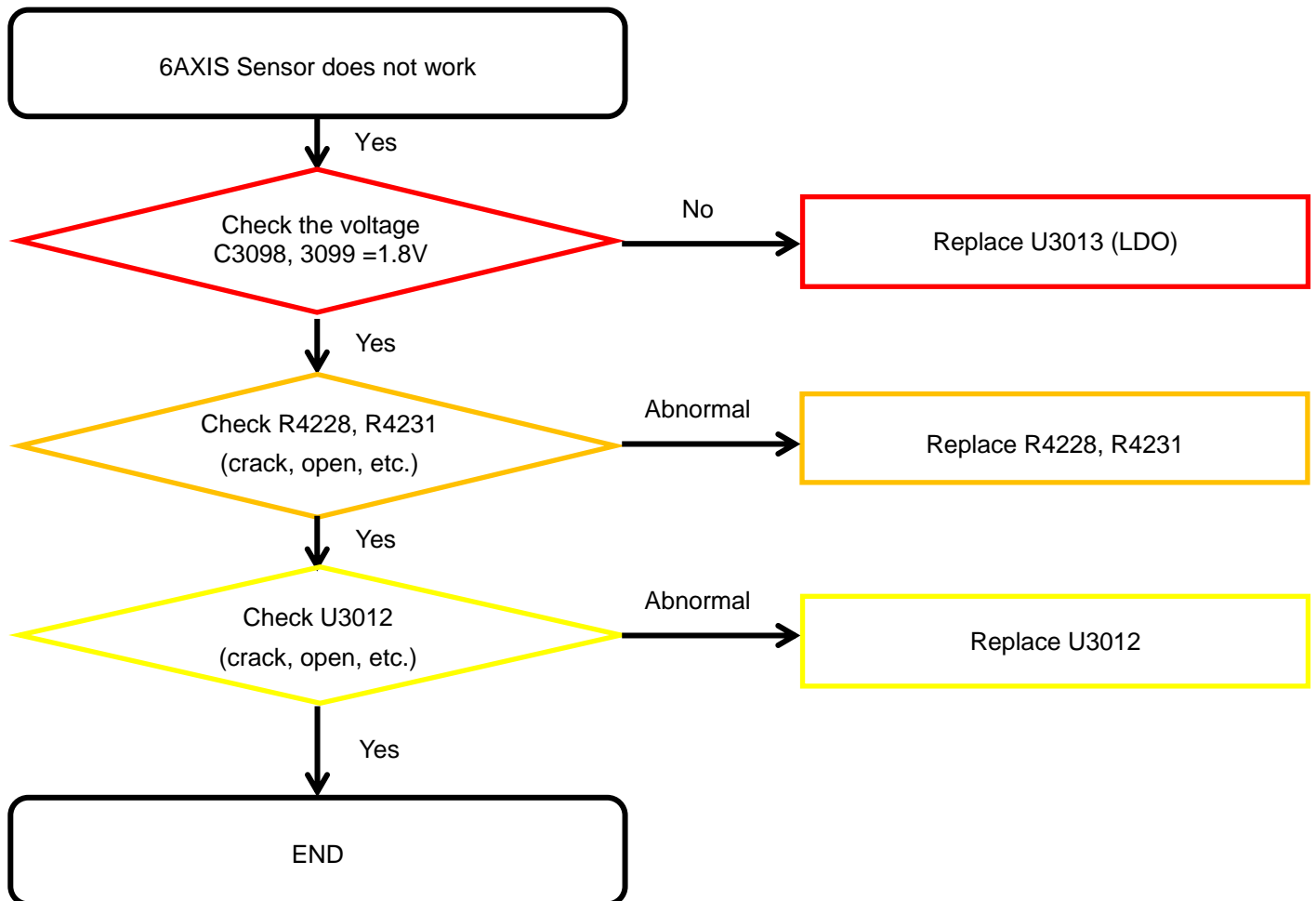
8. Level 3 Repair

8-4-6. Cable Charging Part



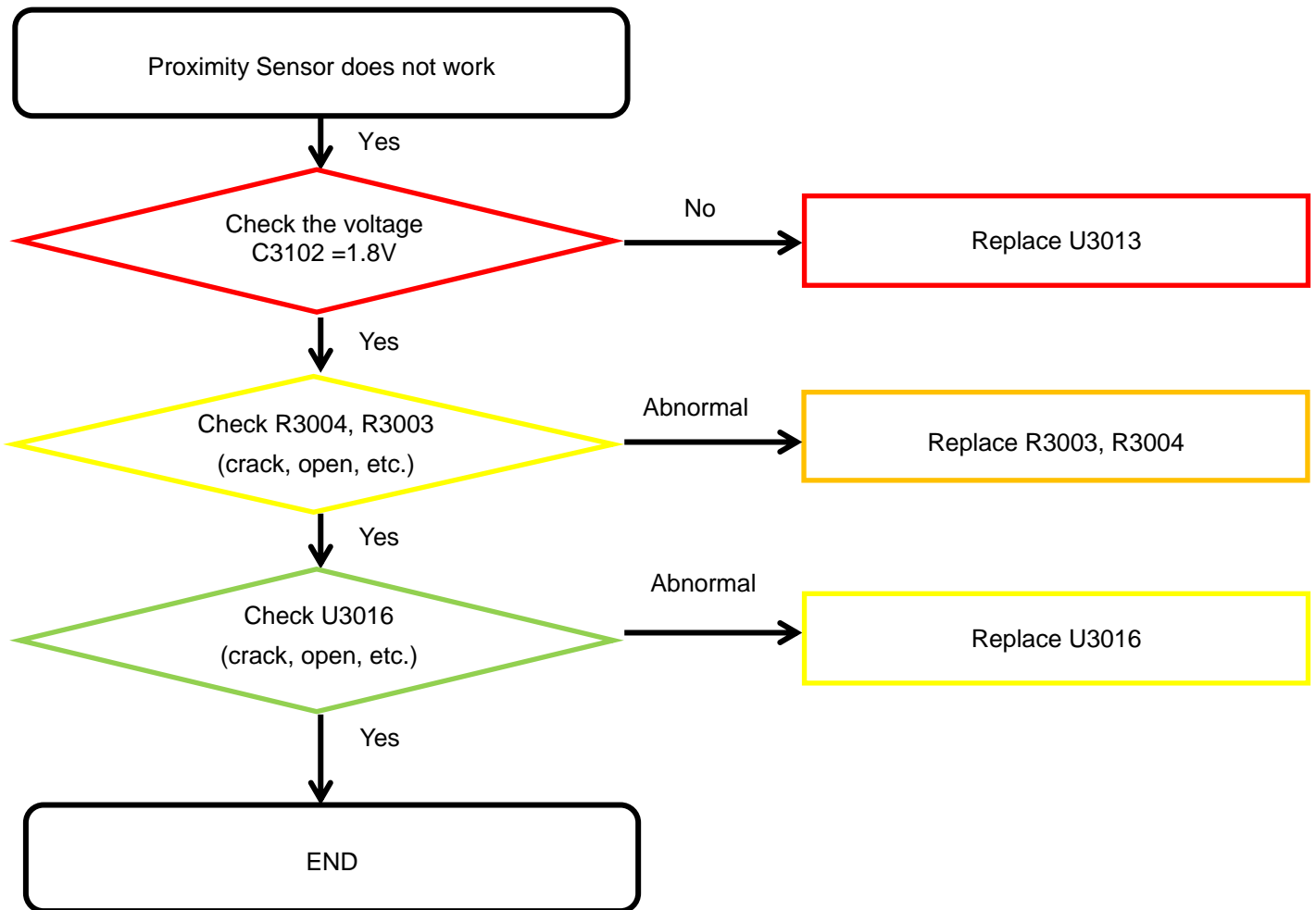
8. Level 3 Repair

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



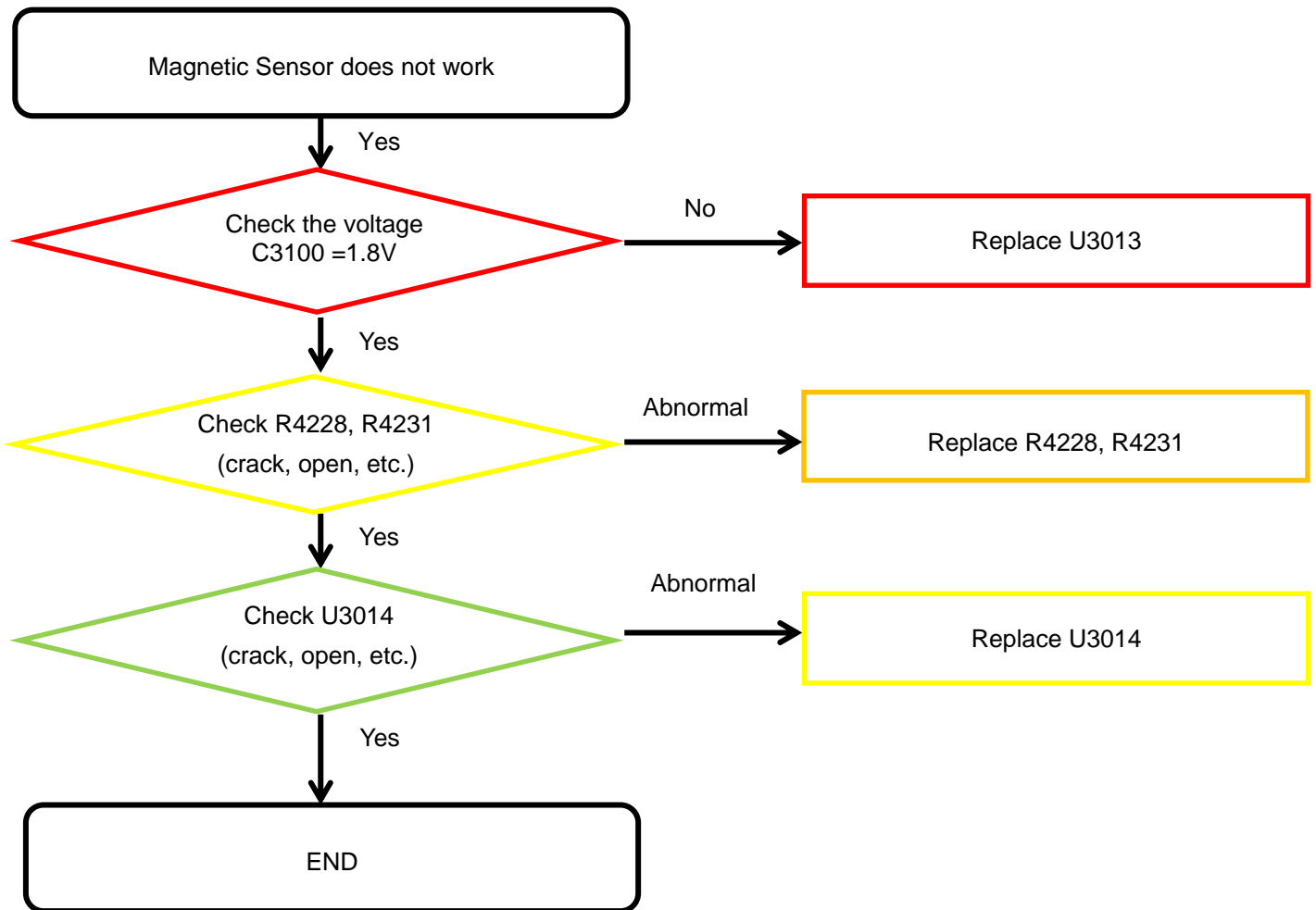
8. Level 3 Repair

8-4-7-2. Proximity sensor



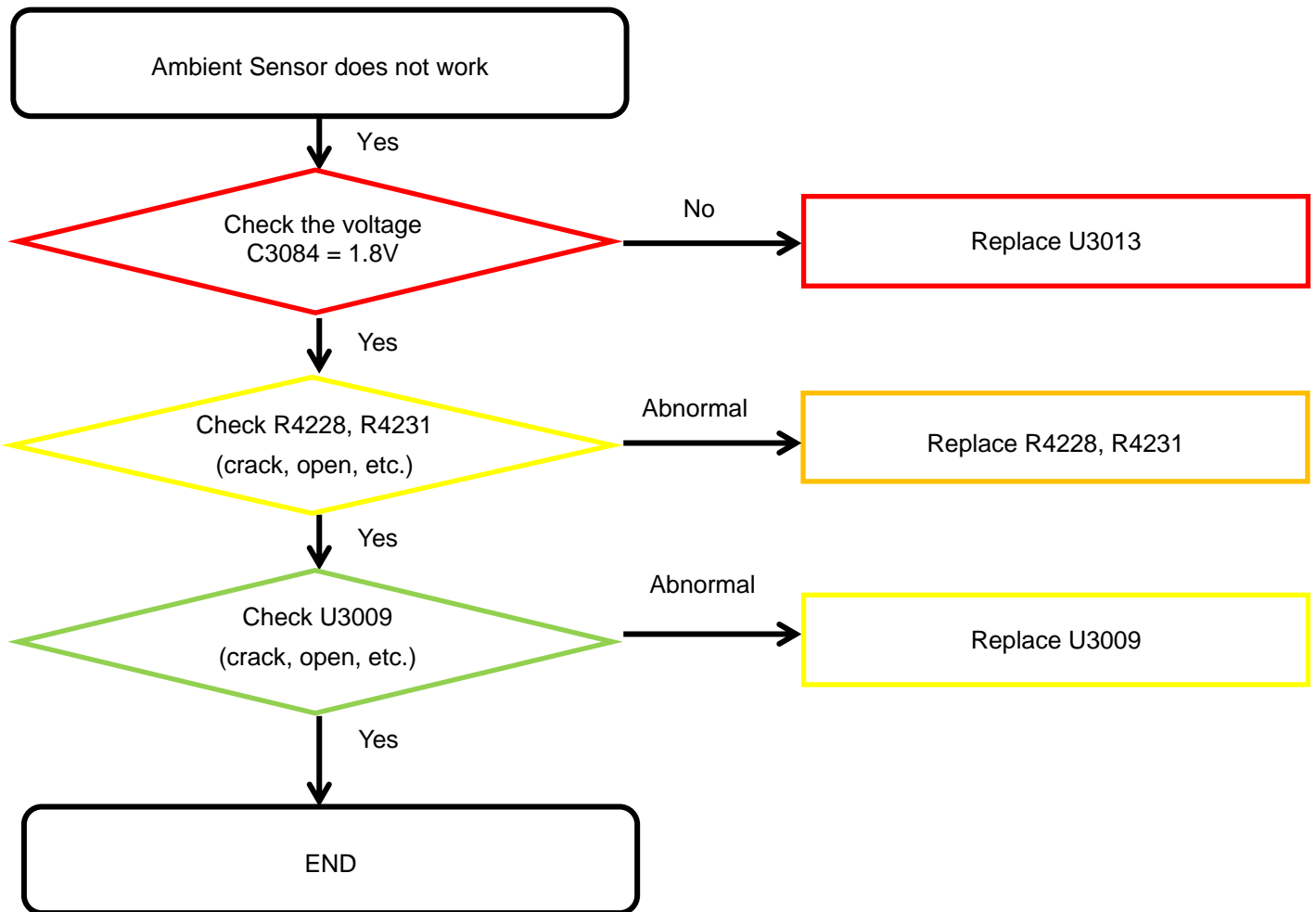
8. Level 3 Repair

8-4-7-3. Magnetic sensor



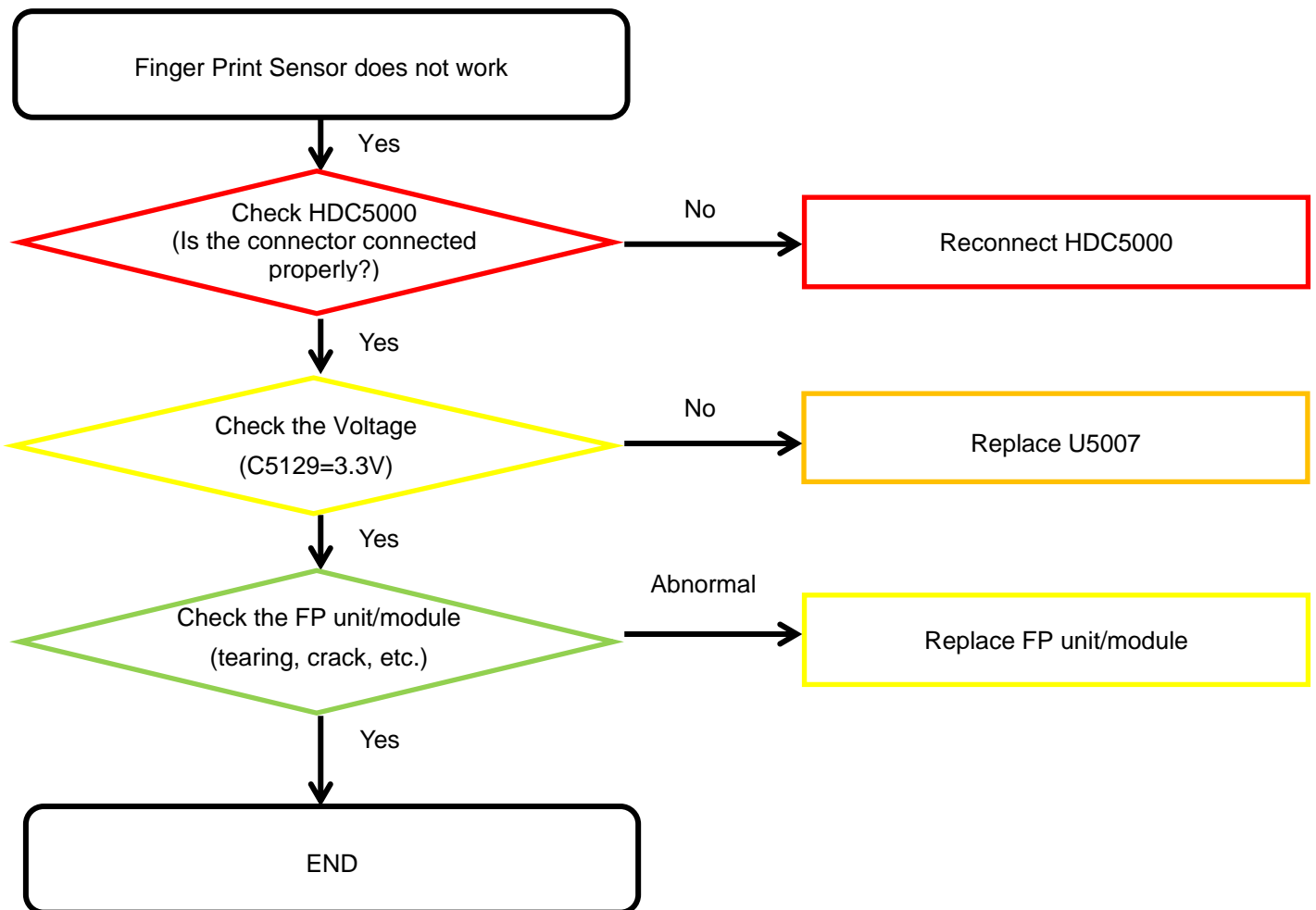
8. Level 3 Repair

8-4-7-4. Ambient sensor(RGB sensor)



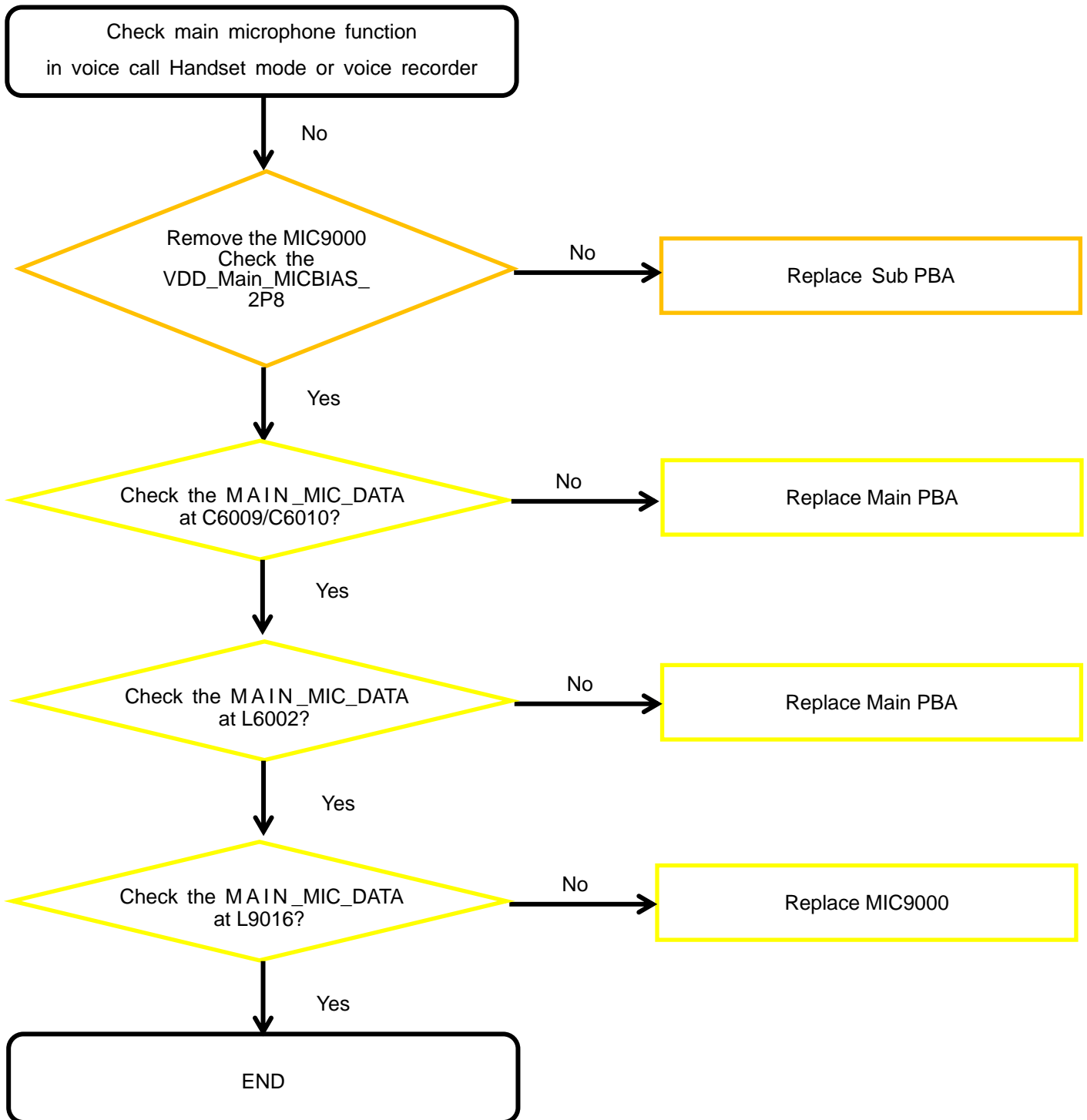
8. Level 3 Repair

8-4-7-5. Finger Print sensor



8. Level 3 Repair

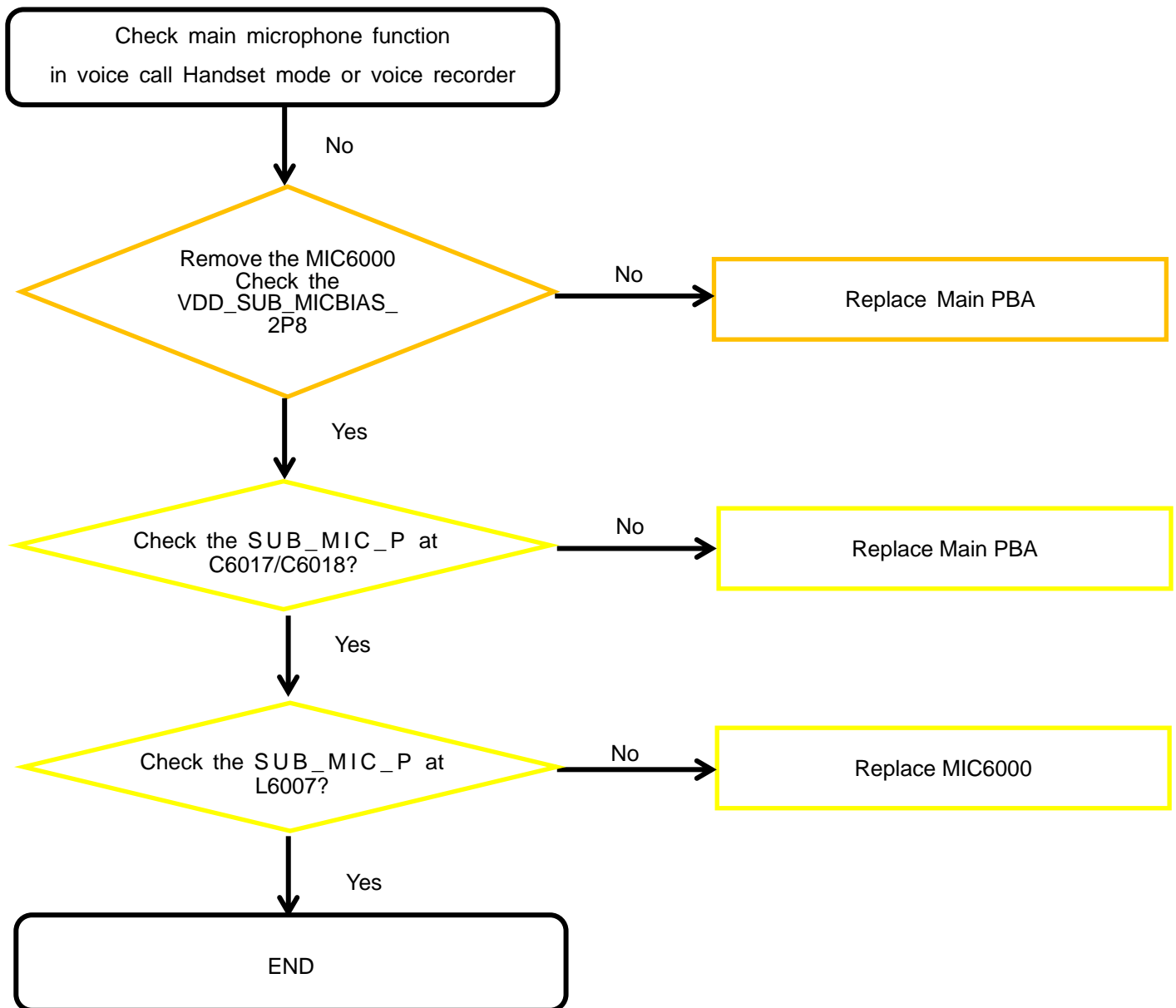
8-4-8-1. Microphone Part - Main MIC



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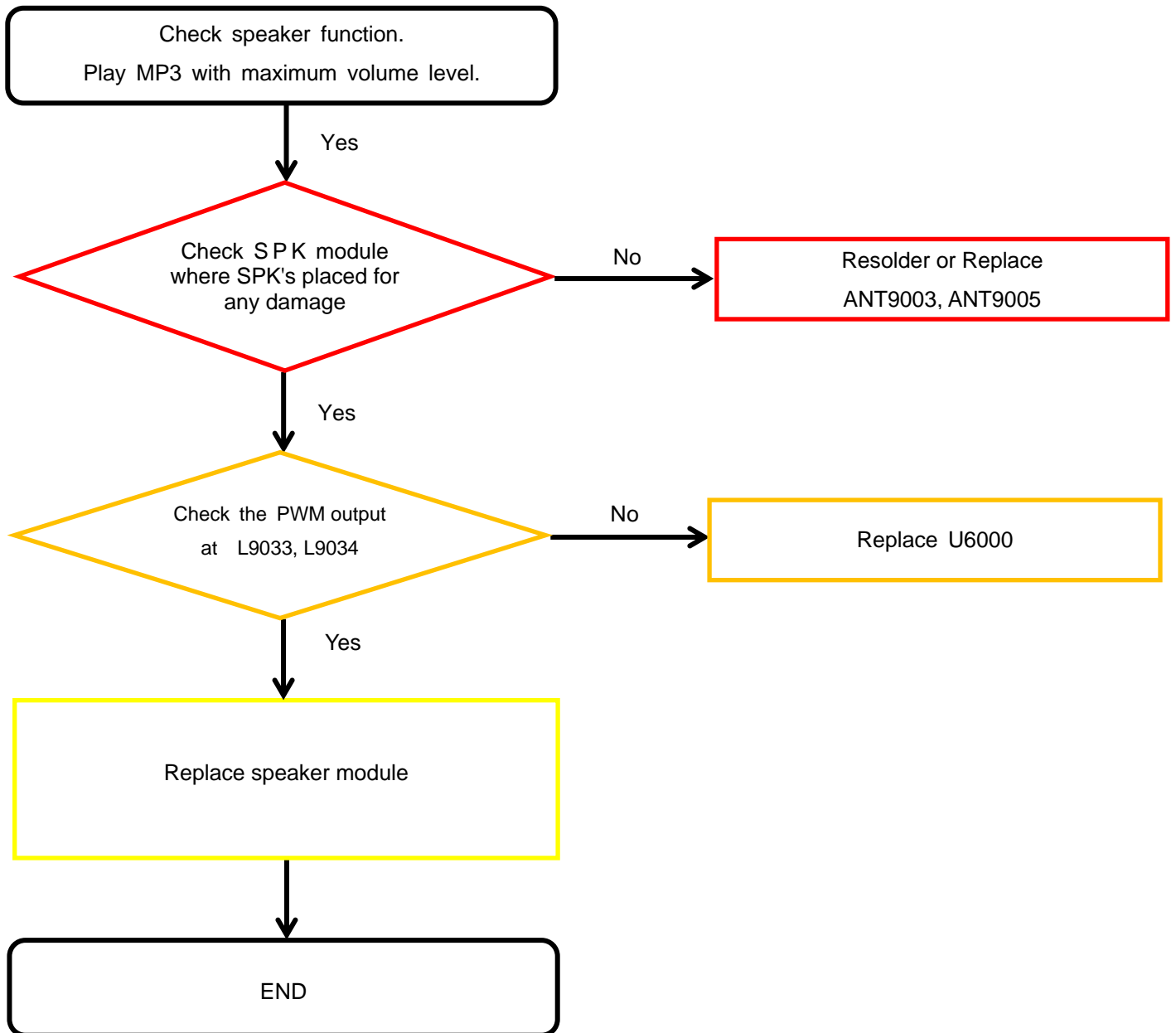
8. Level 3 Repair

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



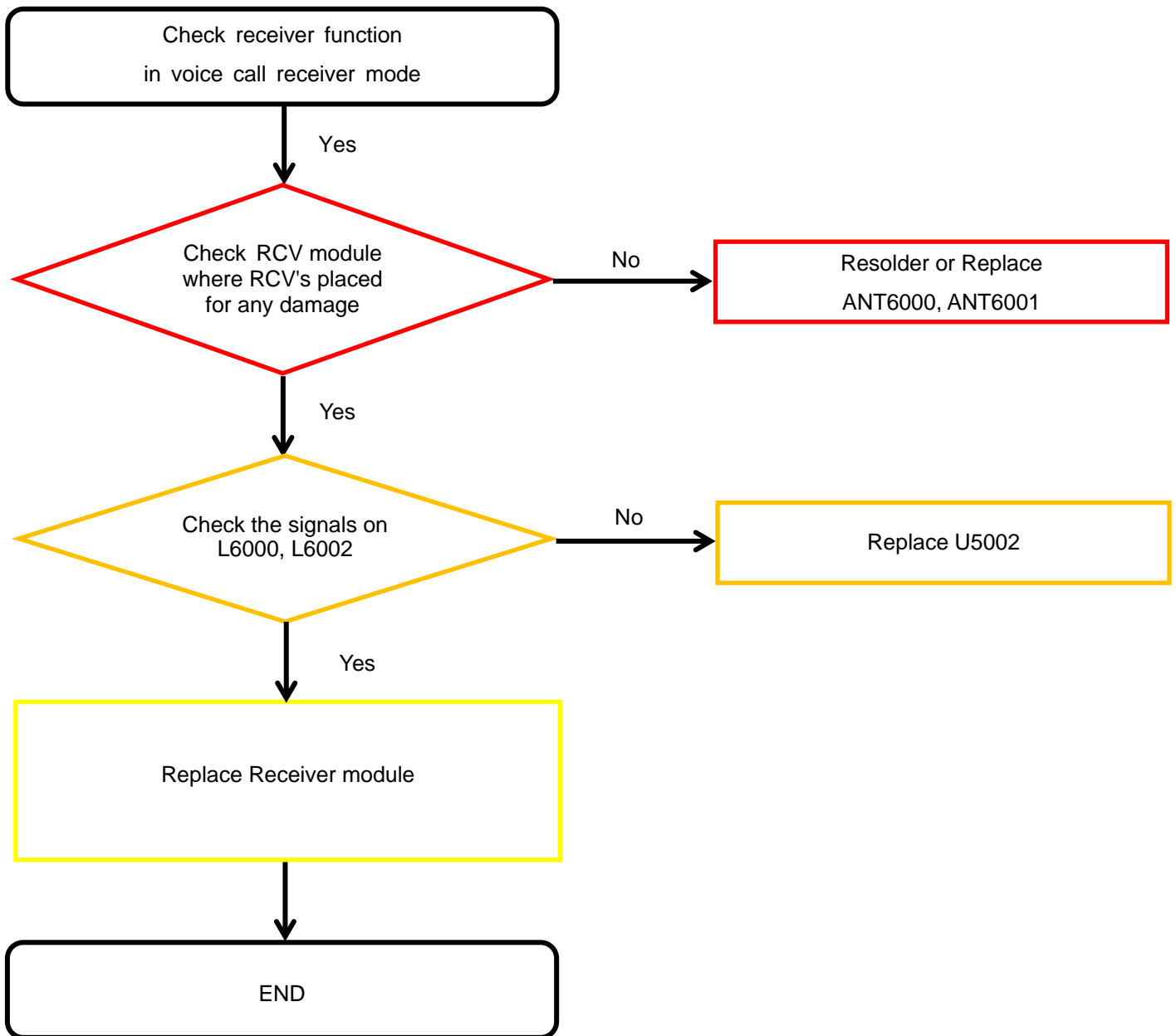
8. Level 3 Repair

8-4-9. Speaker Part



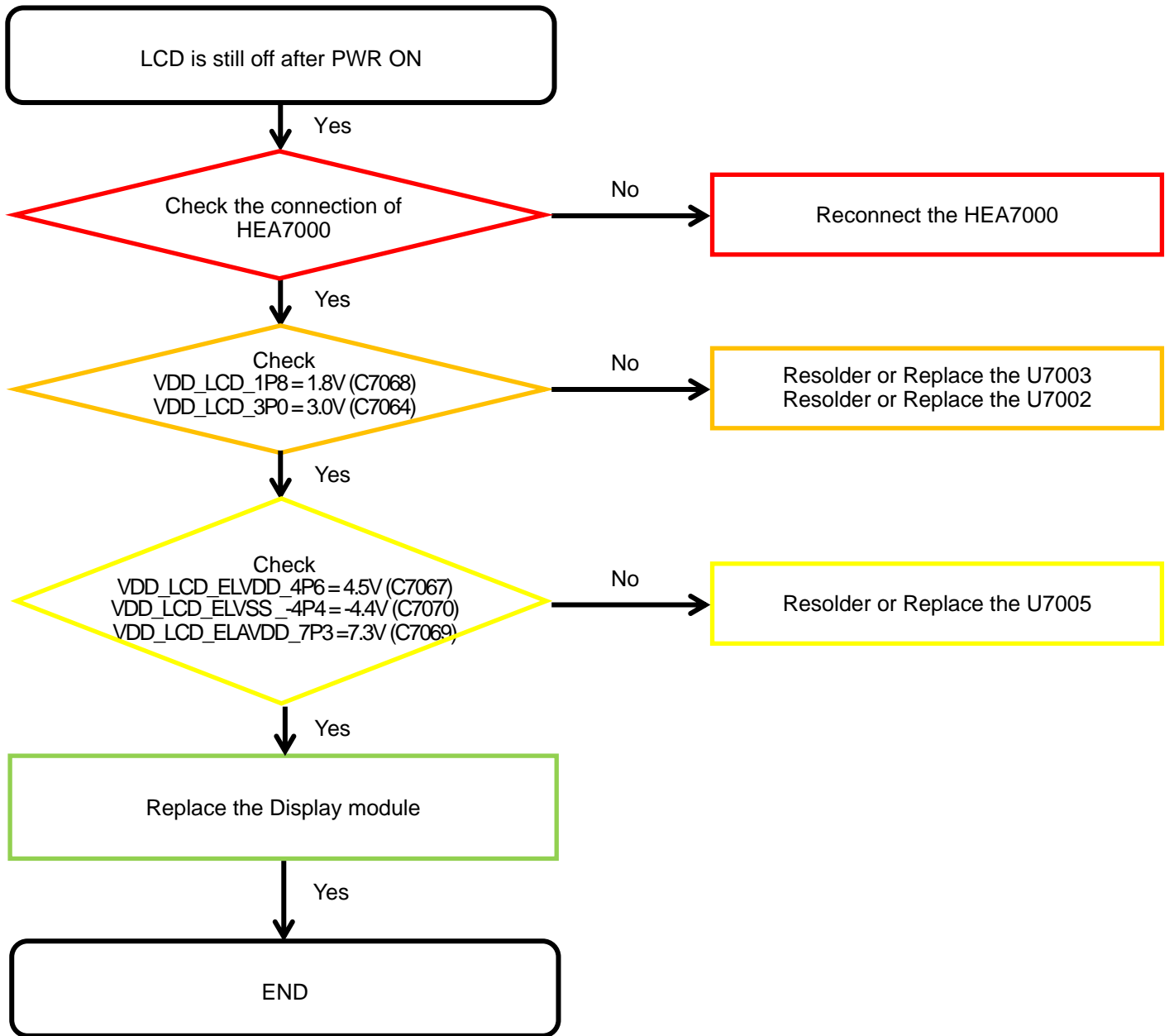
8. Level 3 Repair

8-4-10. Receiver Part



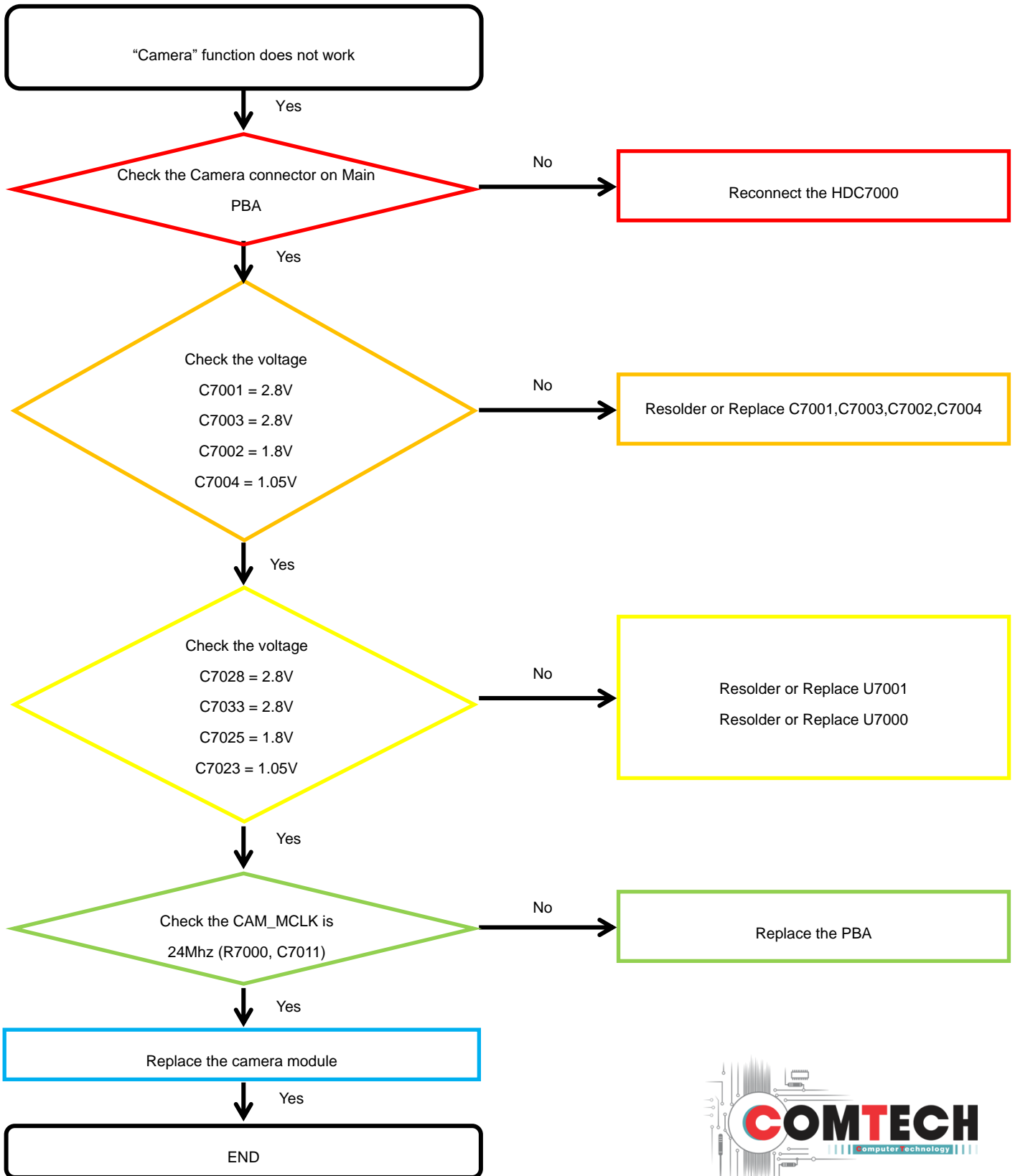
8. Level 3 Repair

8-4-11. Display



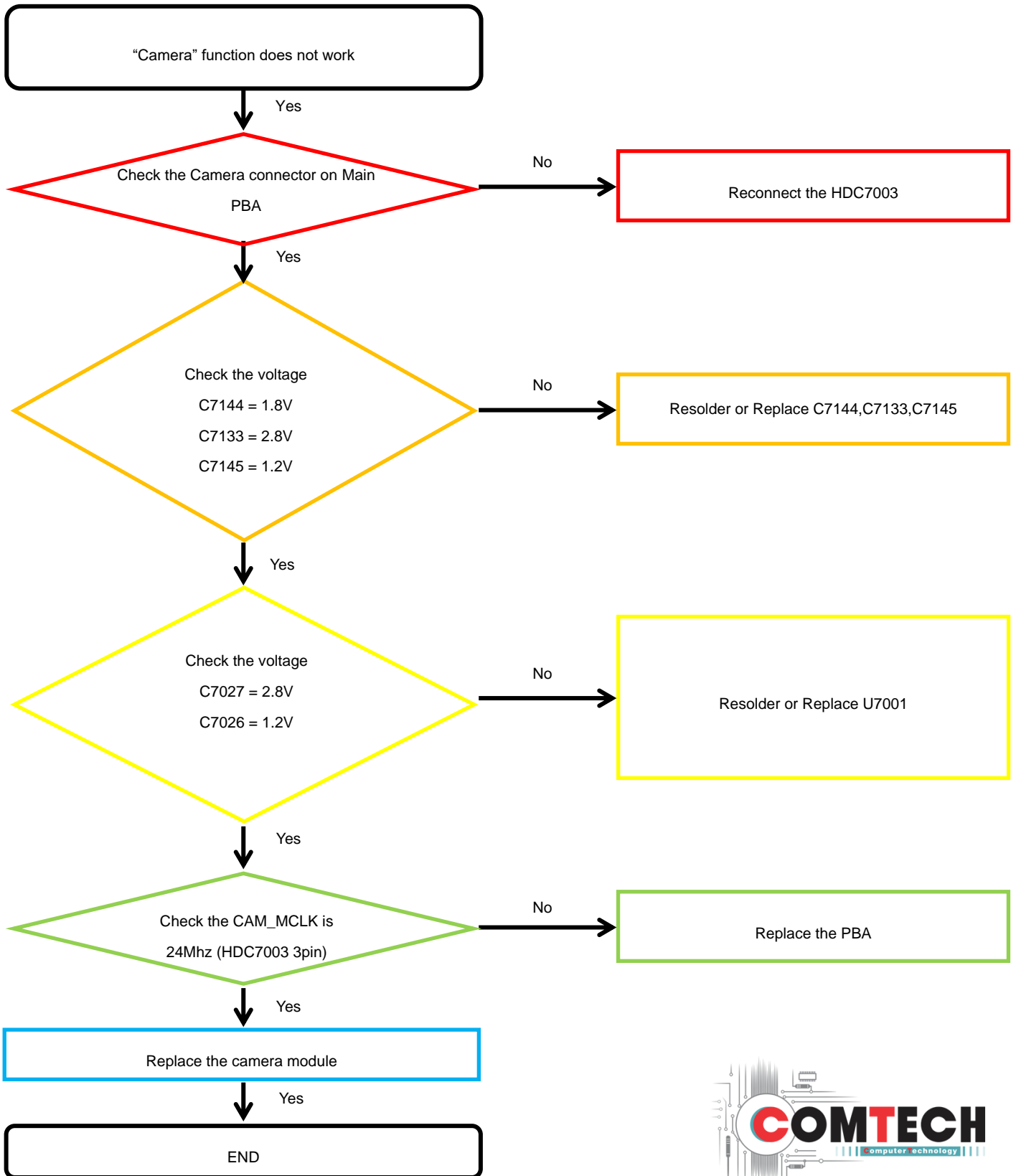
8. Level 3 Repair

8-4-12-1. 16M AF Rear CAMERA



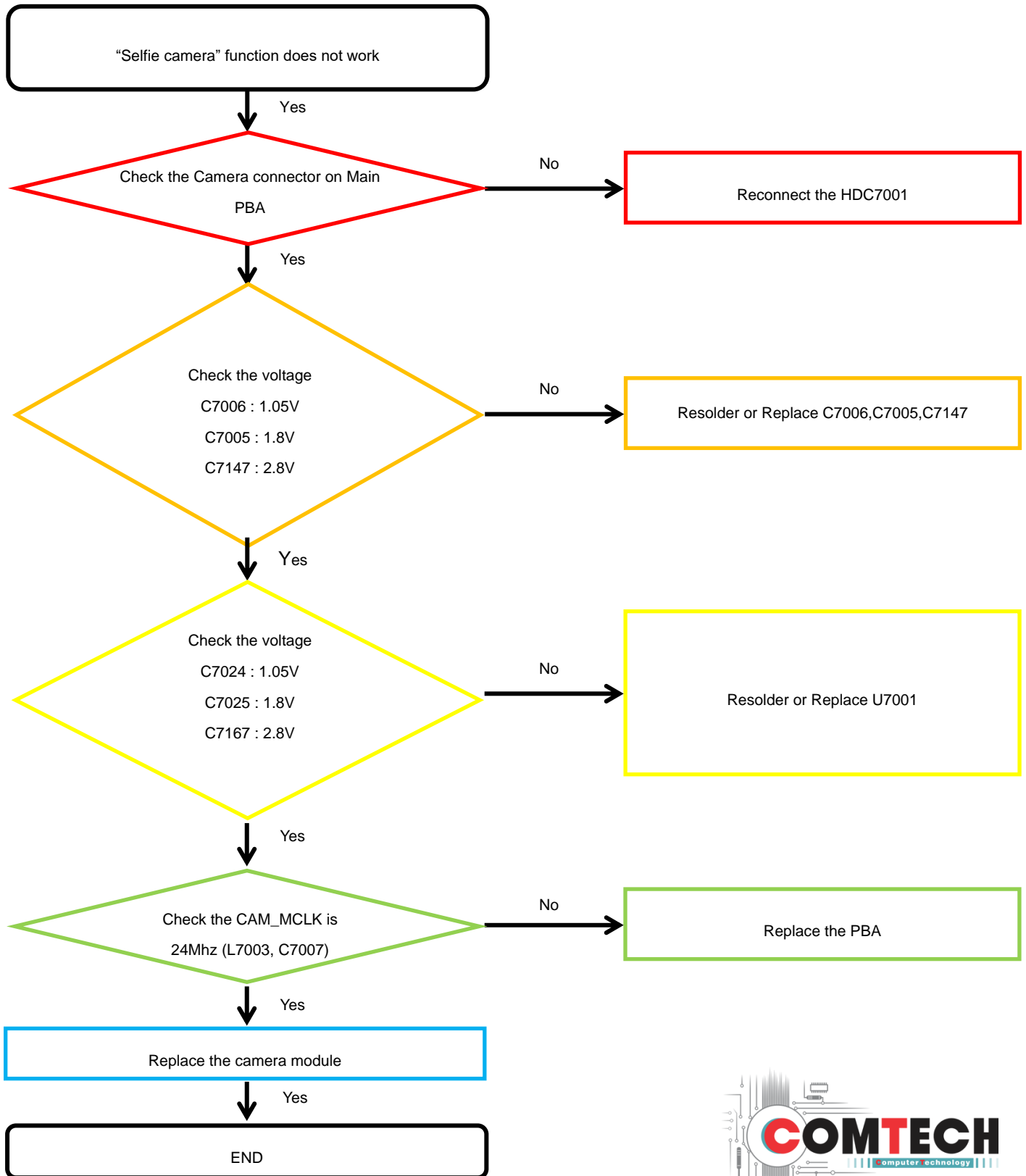
8. Level 3 Repair

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



8. Level 3 Repair

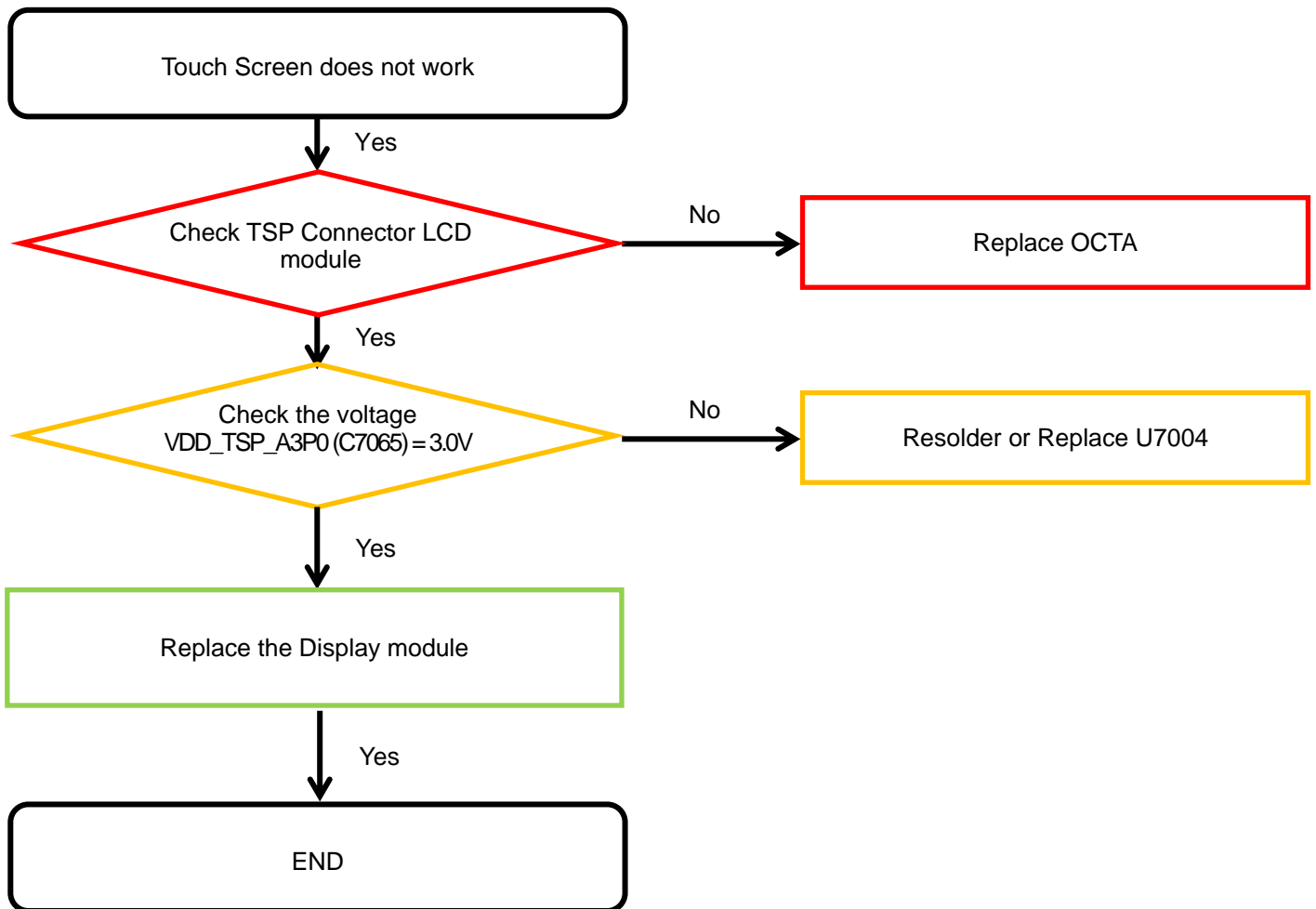
8-4-13. 16M FF Front CAMERA



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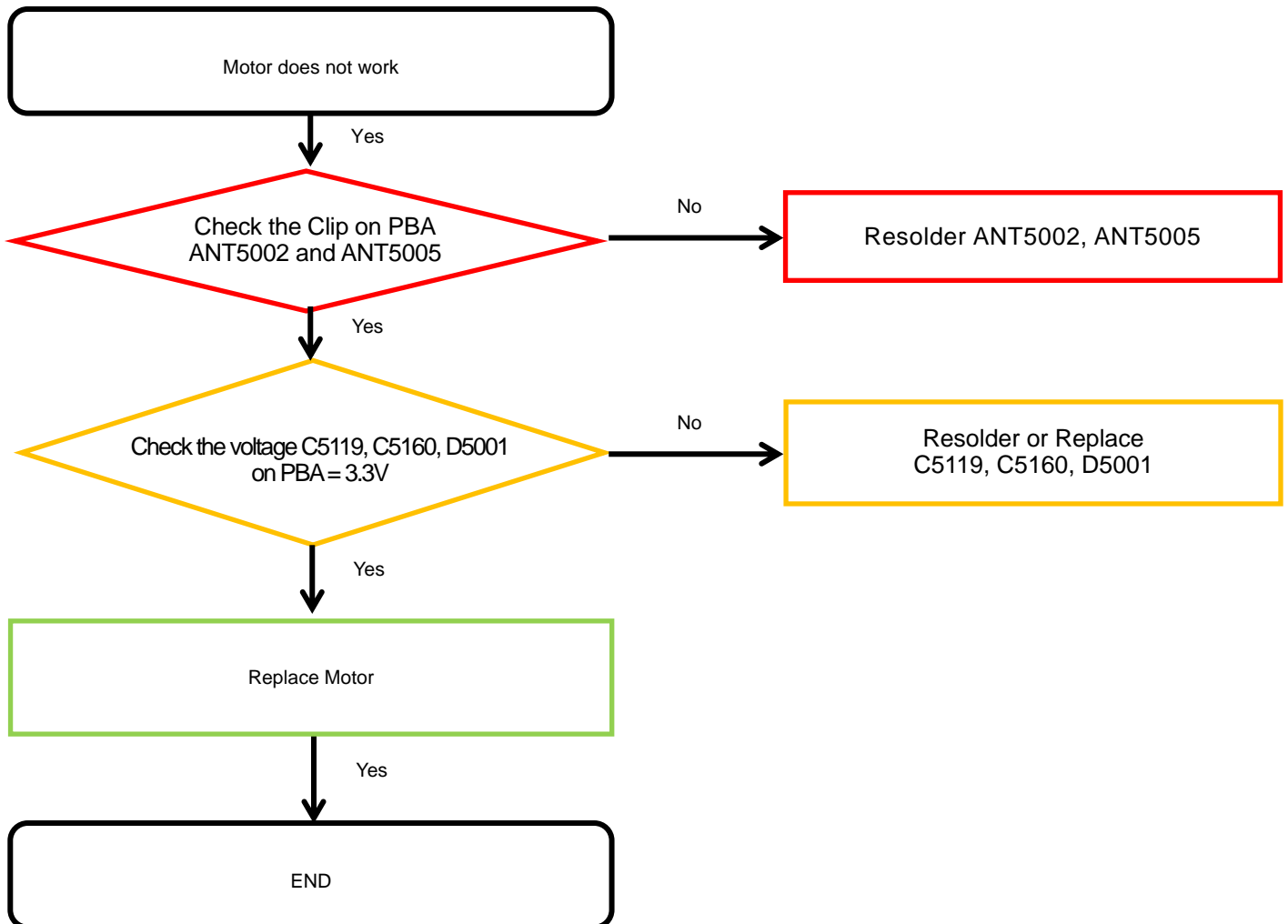
8. Level 3 Repair

8-4-14. TSP



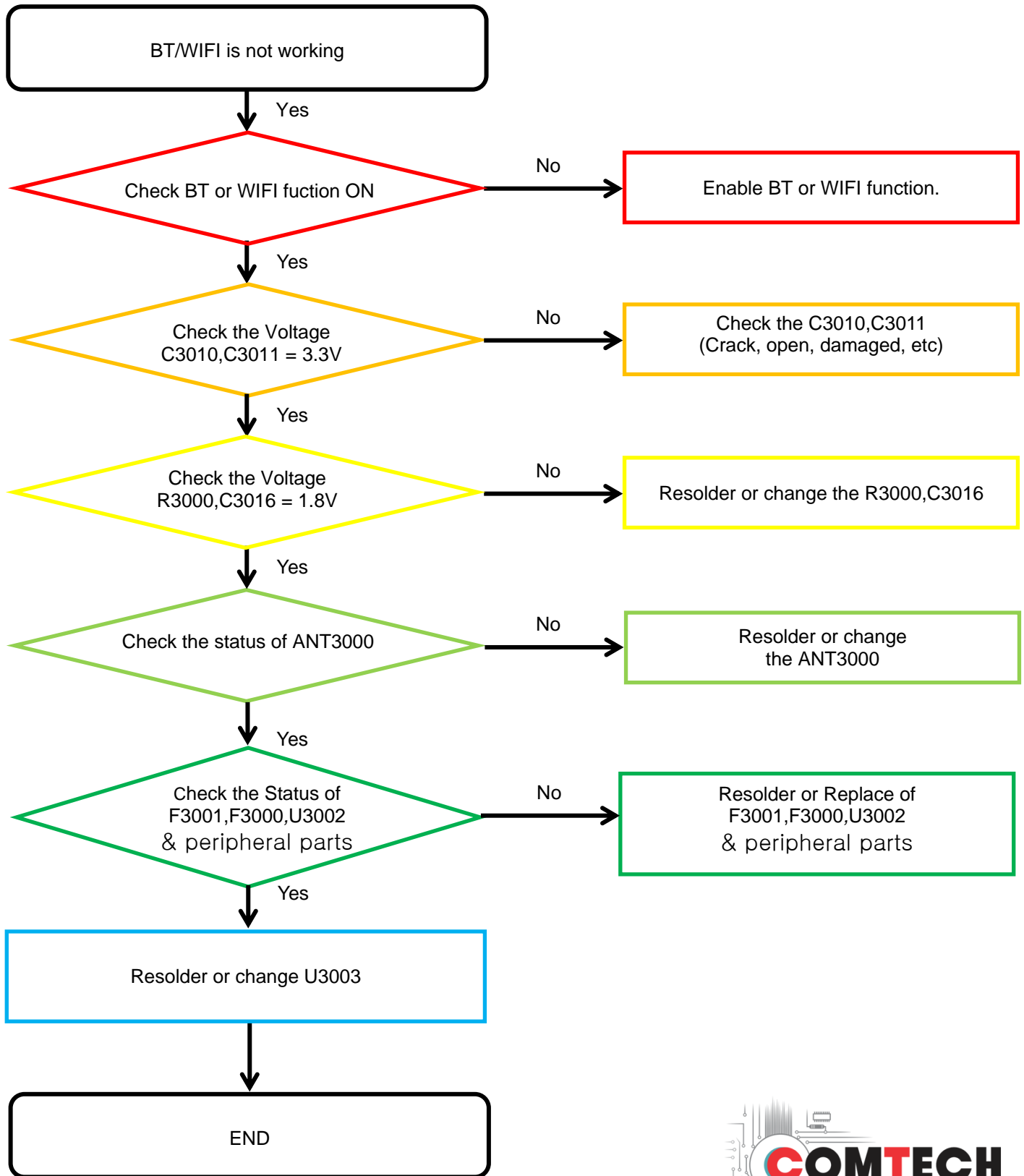
8. Level 3 Repair

8-4-15. Motor



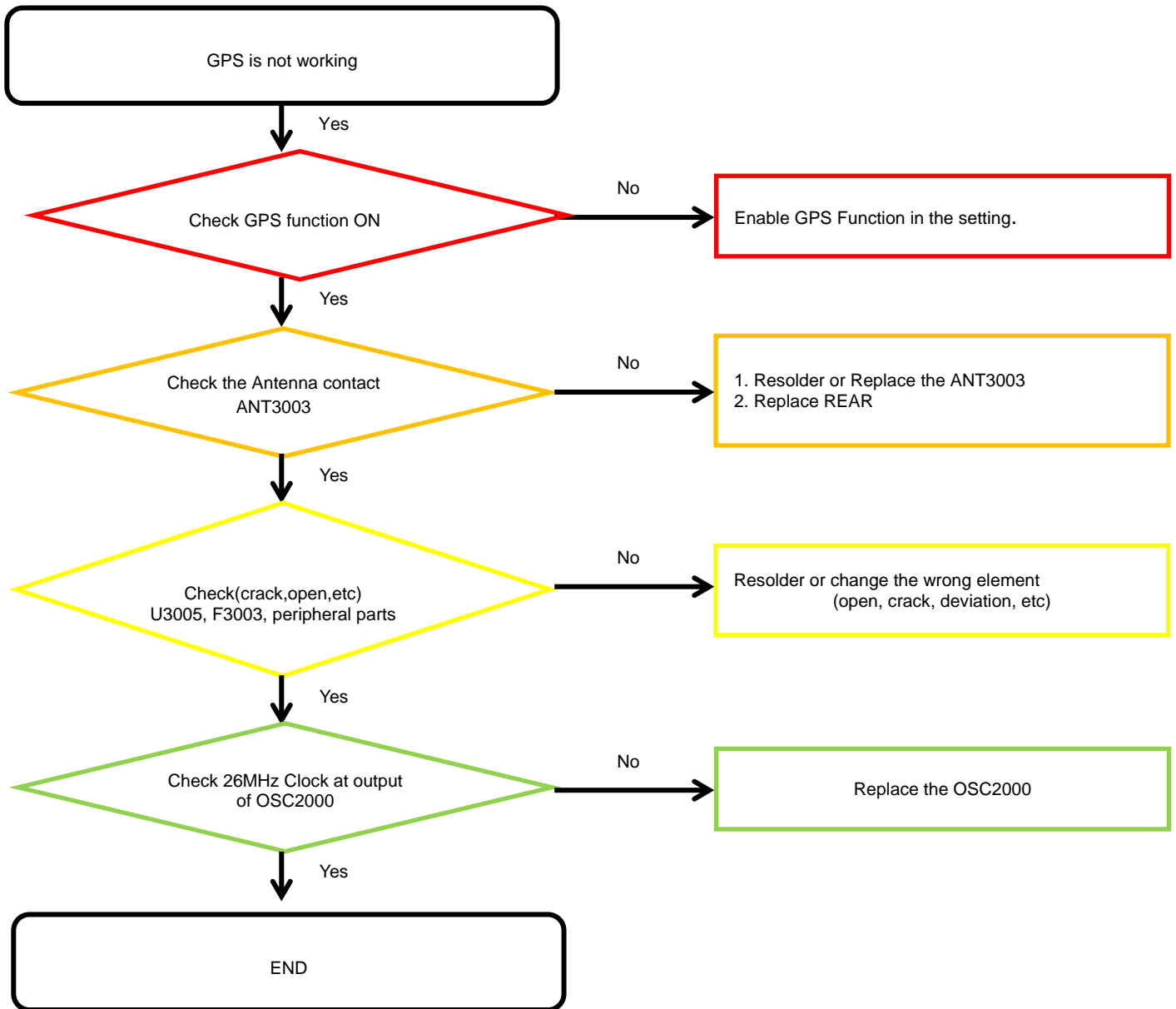
8. Level 3 Repair

8-4-16. BT/WIFI



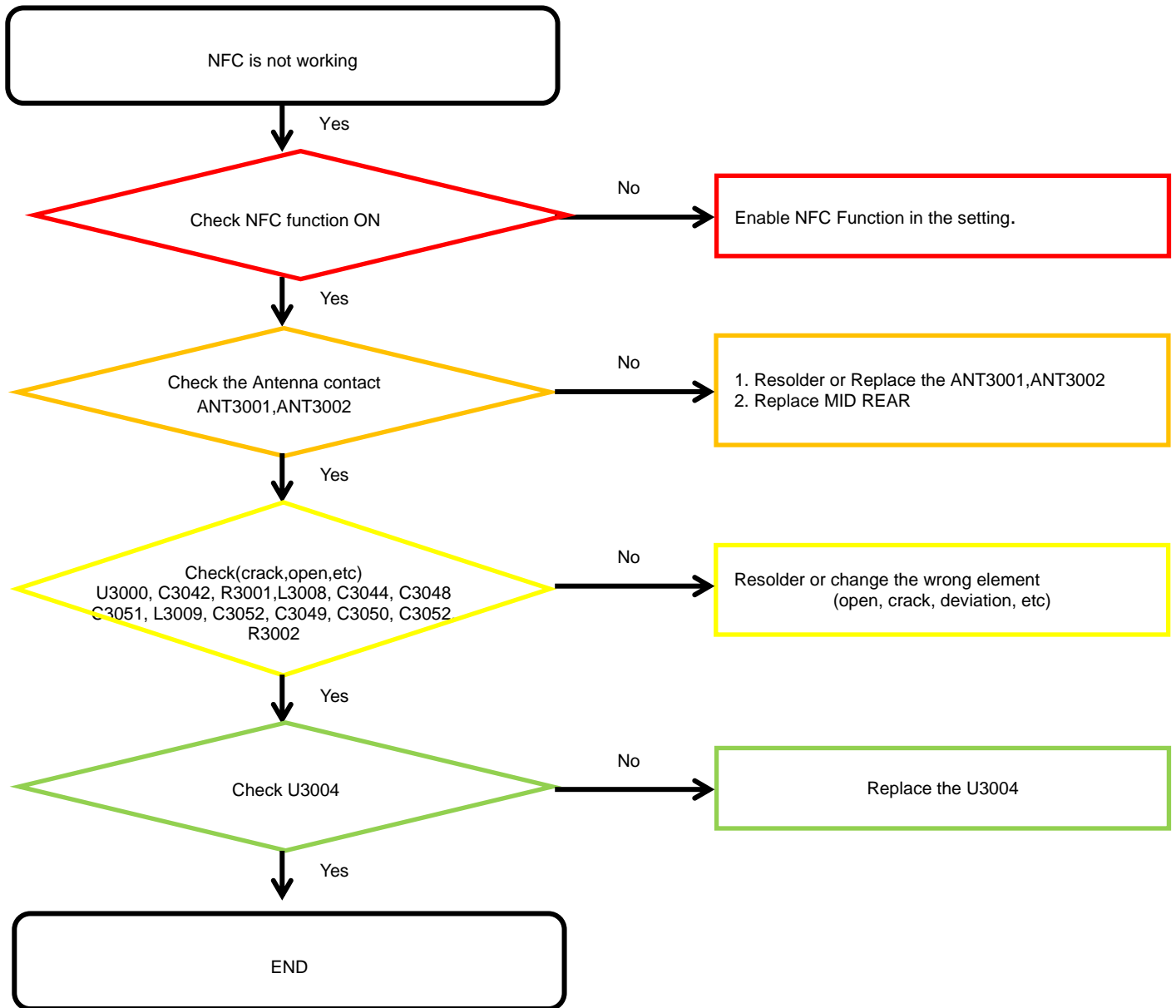
8. Level 3 Repair

8-4-17. GPS



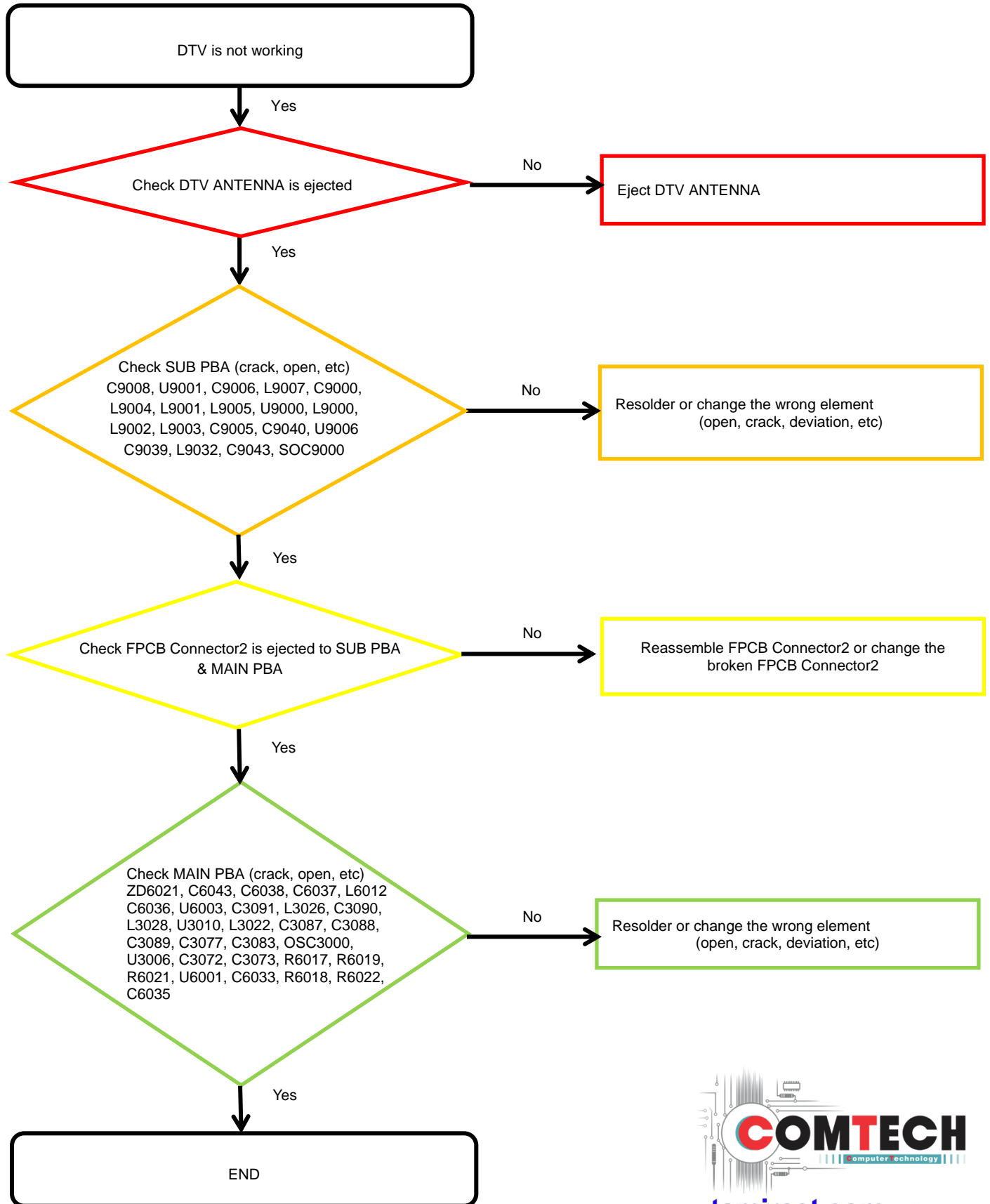
8. Level 3 Repair

8-4-18. NFC (SM-A305FN/GN/YN Only)



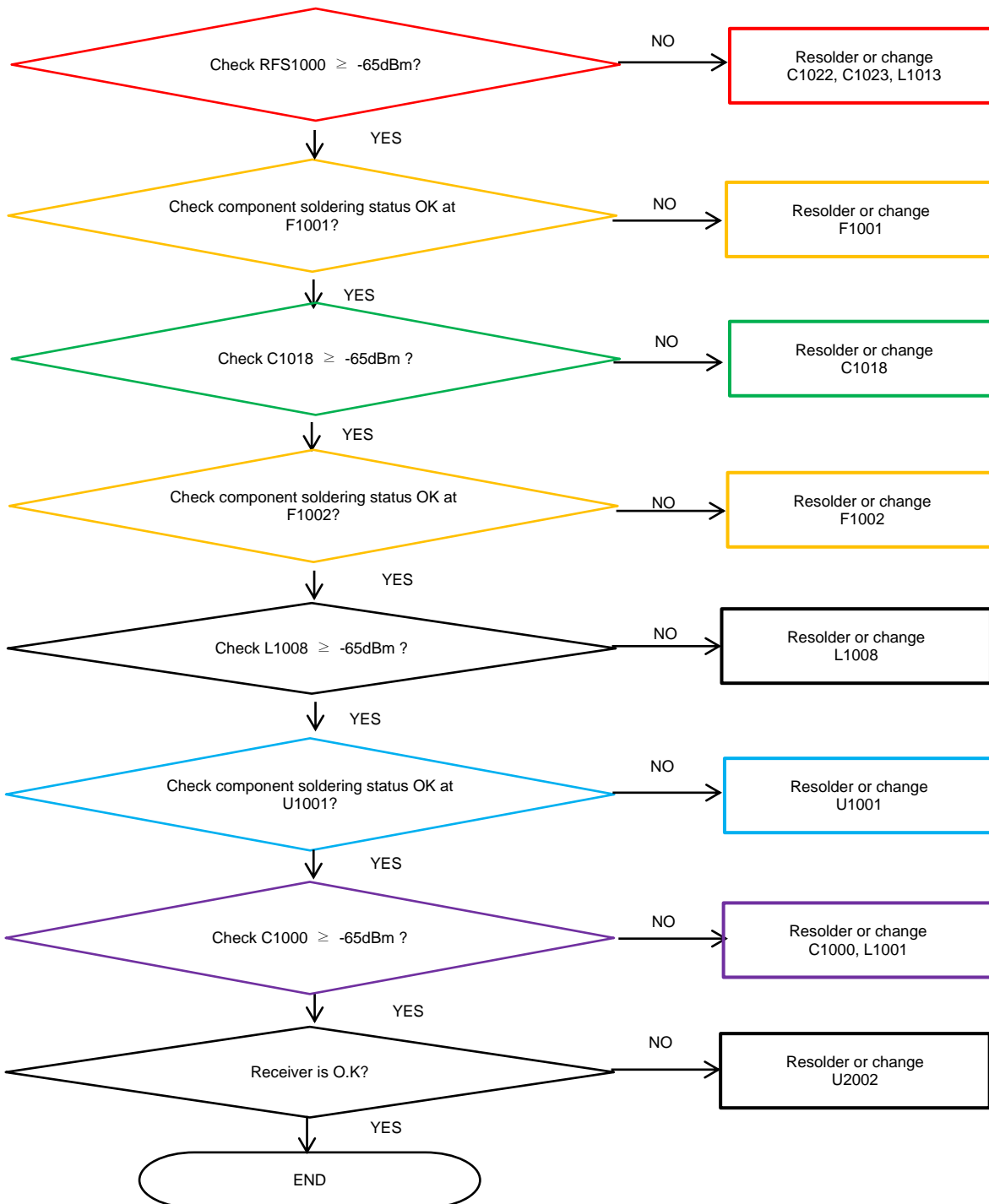
8. Level 3 Repair

8-4-19. DTV (SM-A305GT Only)



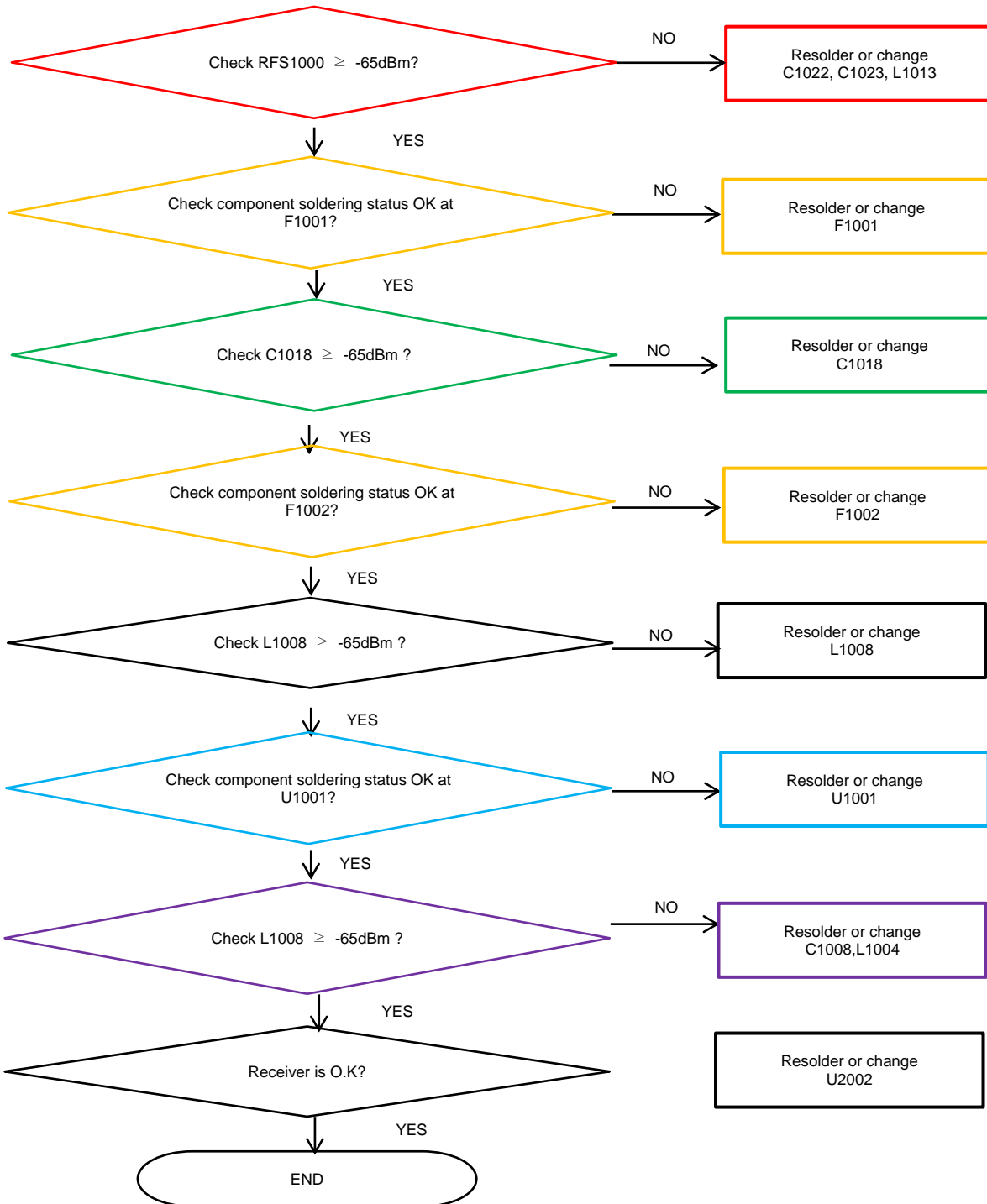
8. Level 3 Repair

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



8. Level 3 Repair

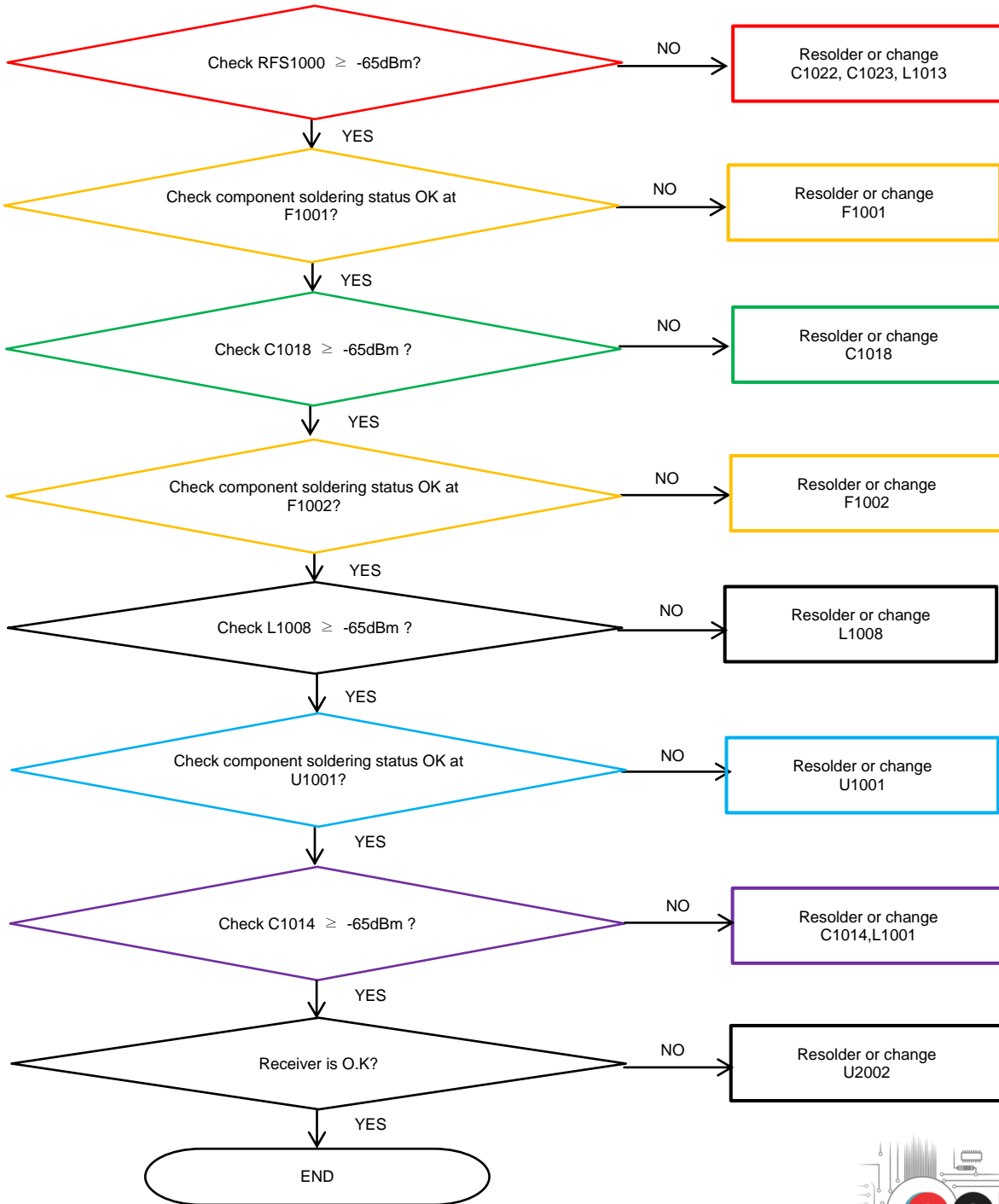
8-4-21. WCDMA B2 / PCS RX, LTEB2 [SM-A305G/GN/GT]



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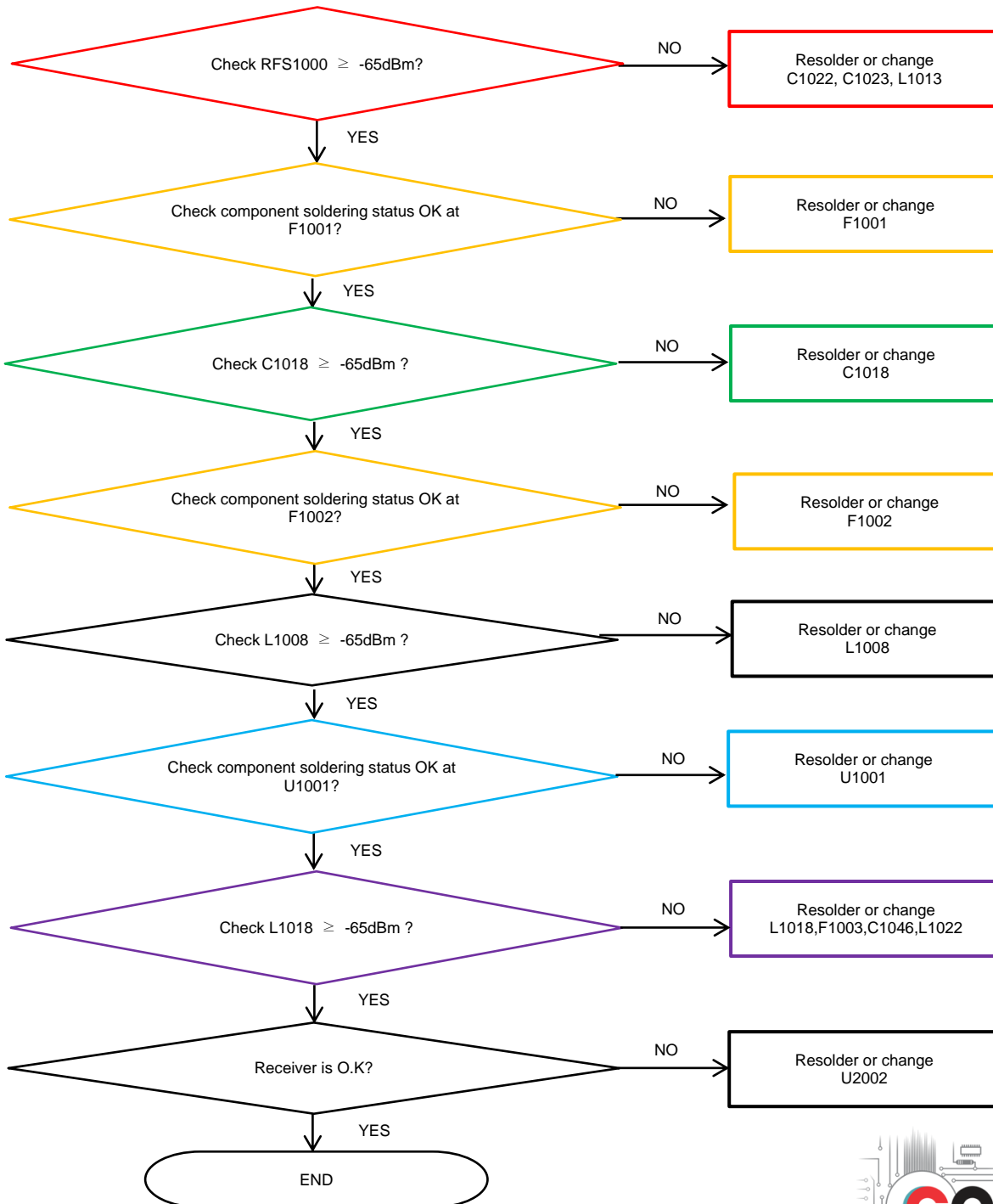
8. Level 3 Repair

8-4-22. LTE B3 / DCS RX



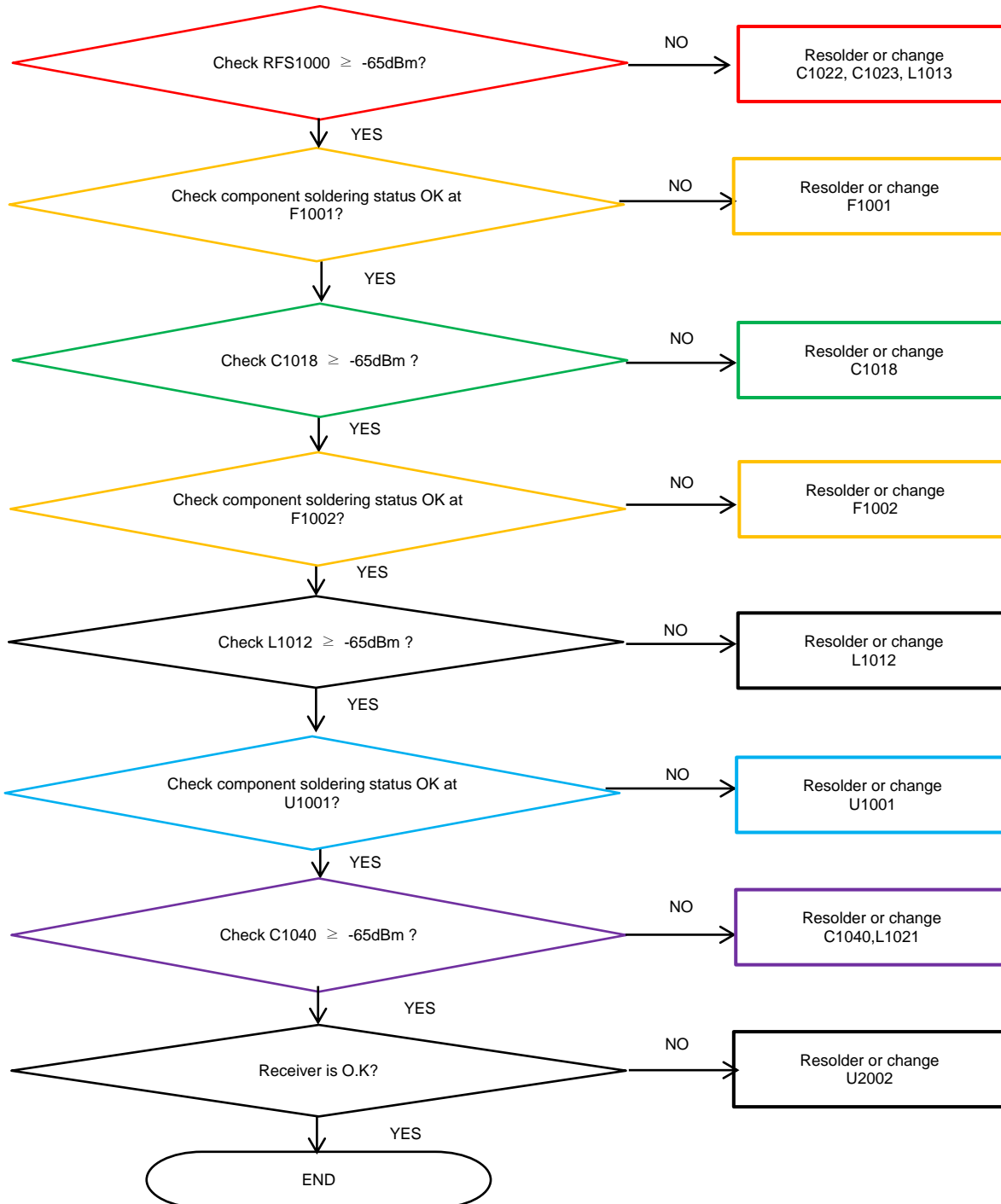
8. Level 3 Repair

8-4-23. LTE B4(B66) / WCDMA B4 RX [SM-A305G/GN/GT]



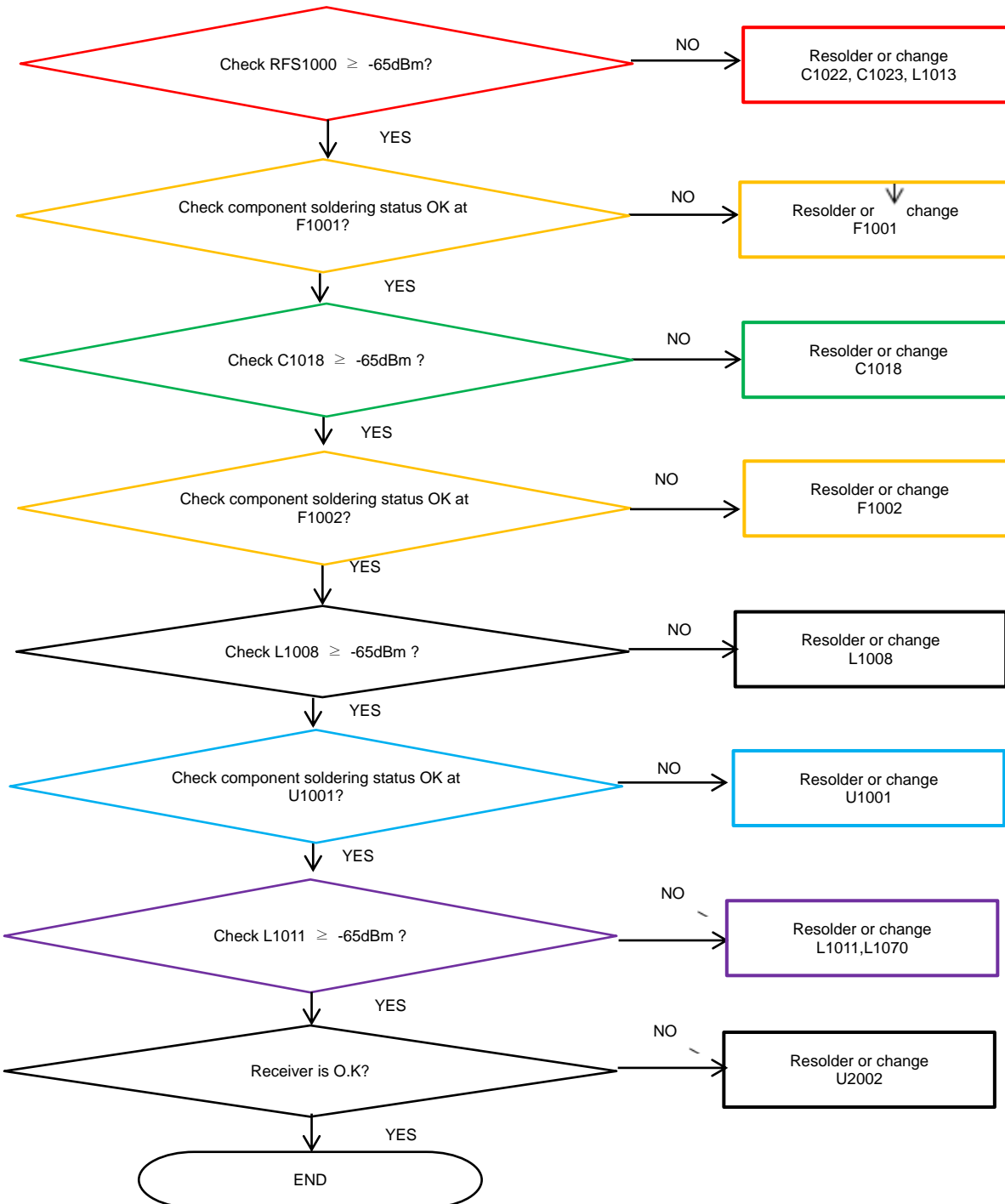
8. Level 3 Repair

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



8. Level 3 Repair

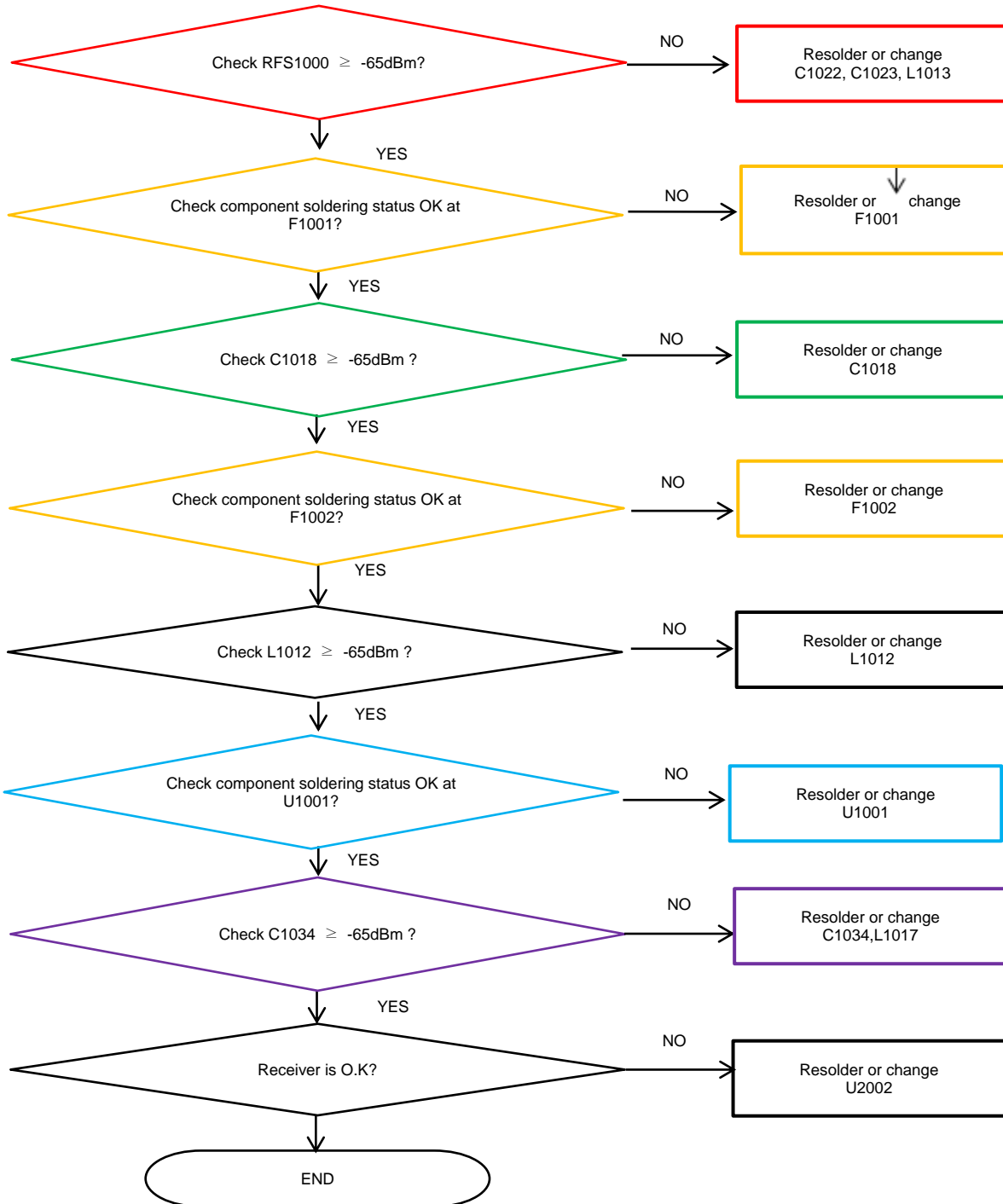
8-4-25. LTE B8, WCDMA B8 / EGSM RX



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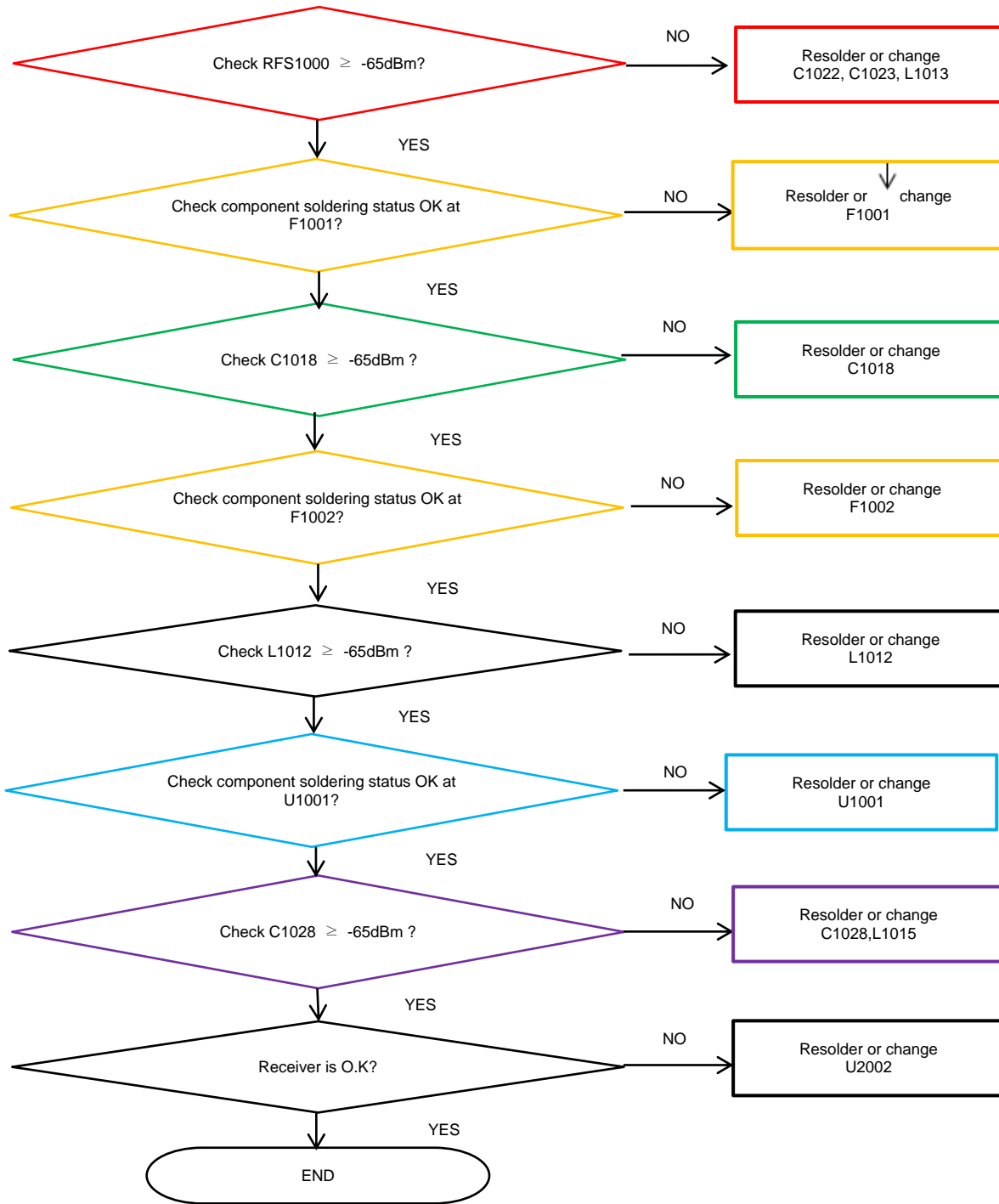
8. Level 3 Repair

8-4-26. LTE B20 RX



8. Level 3 Repair

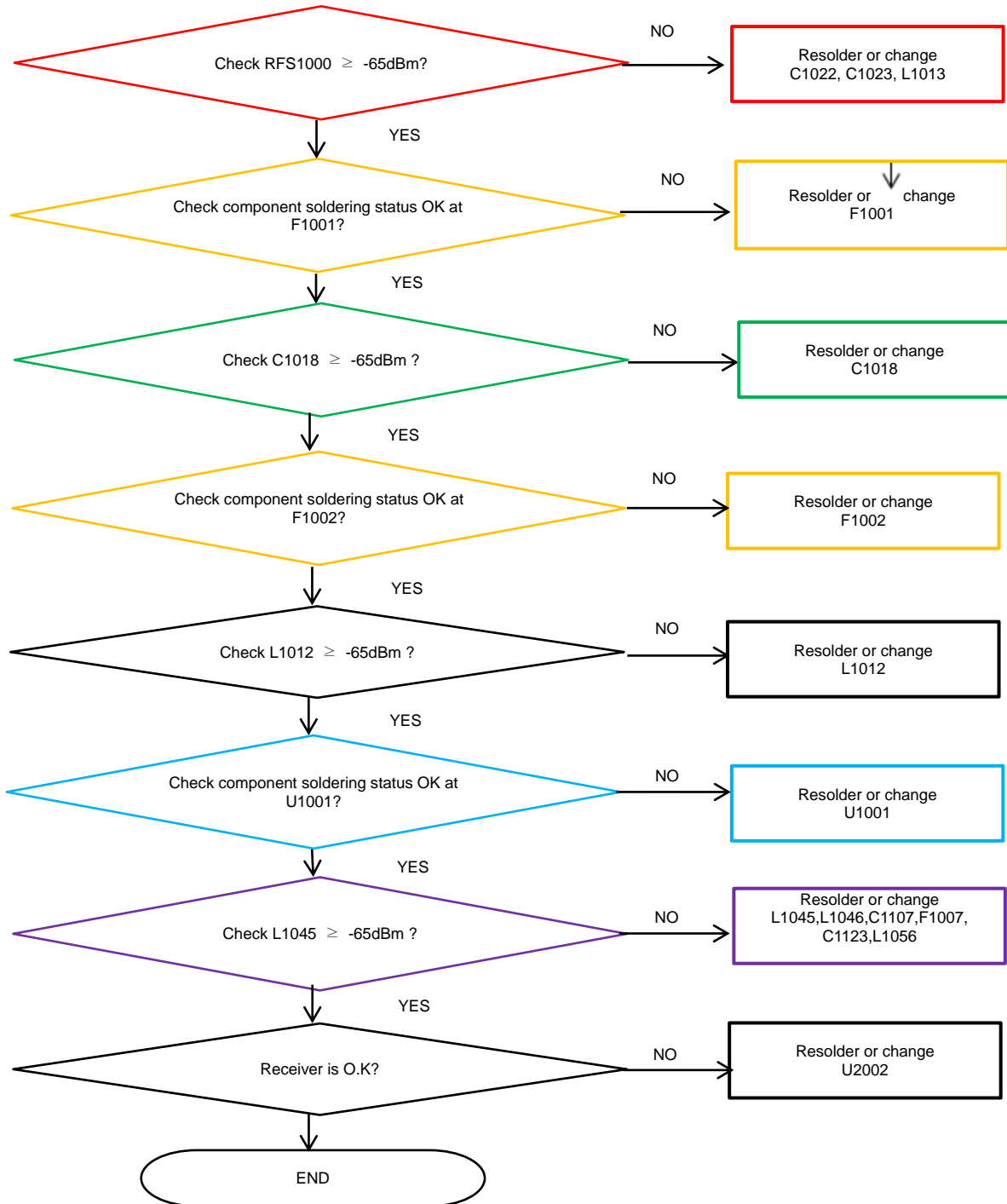
8-4-27. LTE B12,17 RX



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8. Level 3 Repair

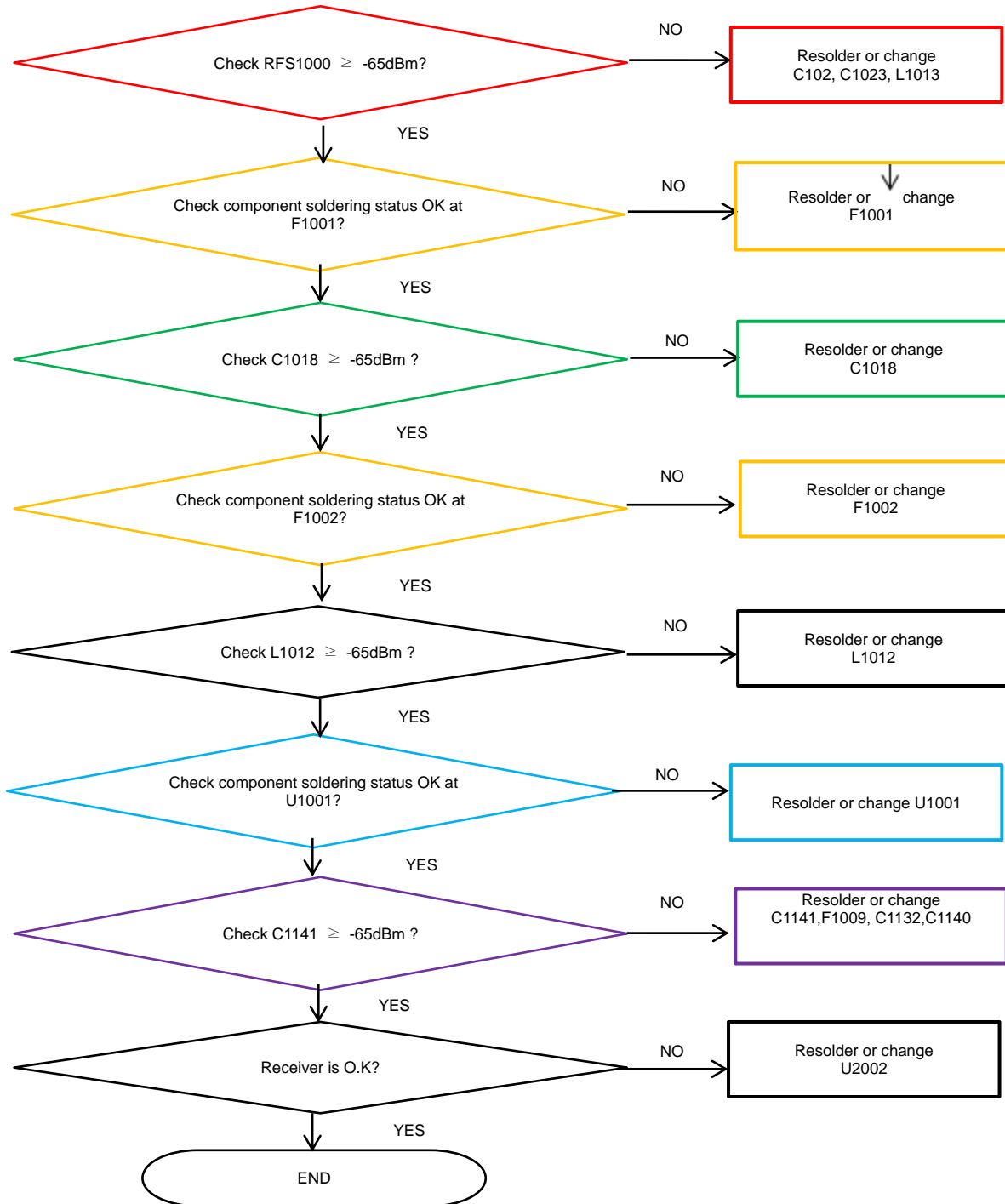
8-4-28. LTE B13 RX [SM-A305G/GN/GT]



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8. Level 3 Repair

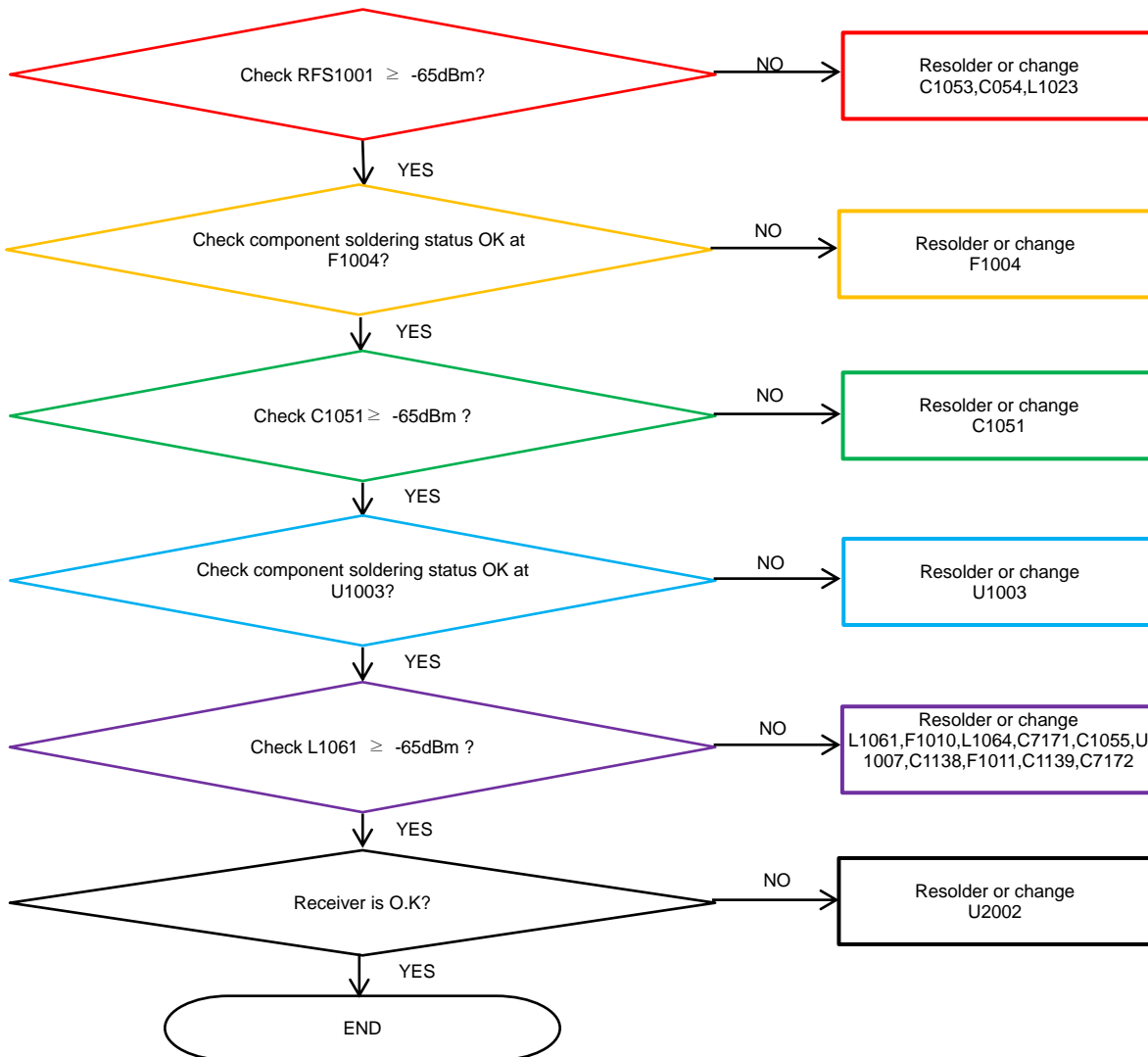
8-4-29. LTE B28 RX [SM-A305G/GN/GT/YN]



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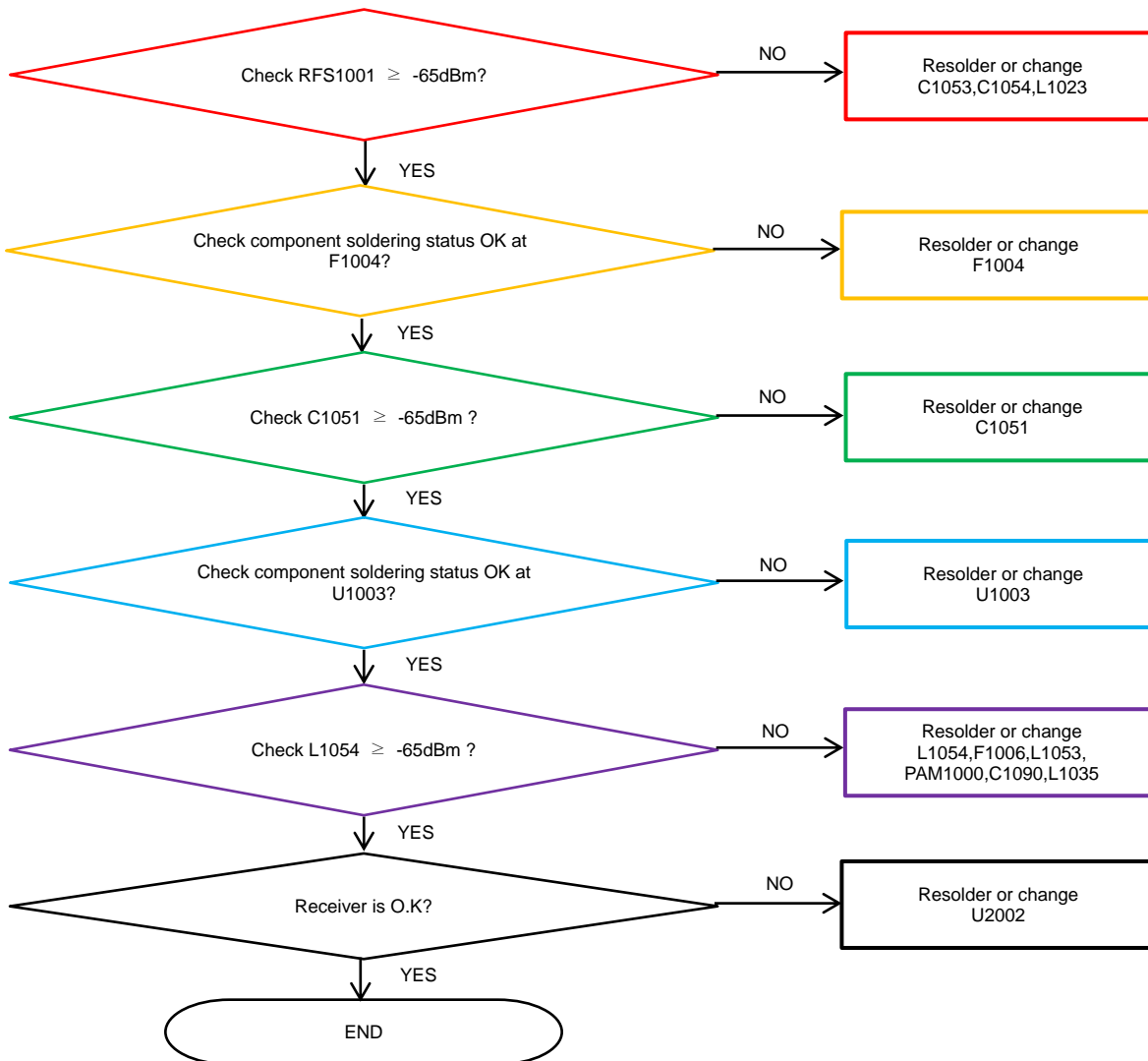
8. Level 3 Repair

8-4-30. LTE B7 RX



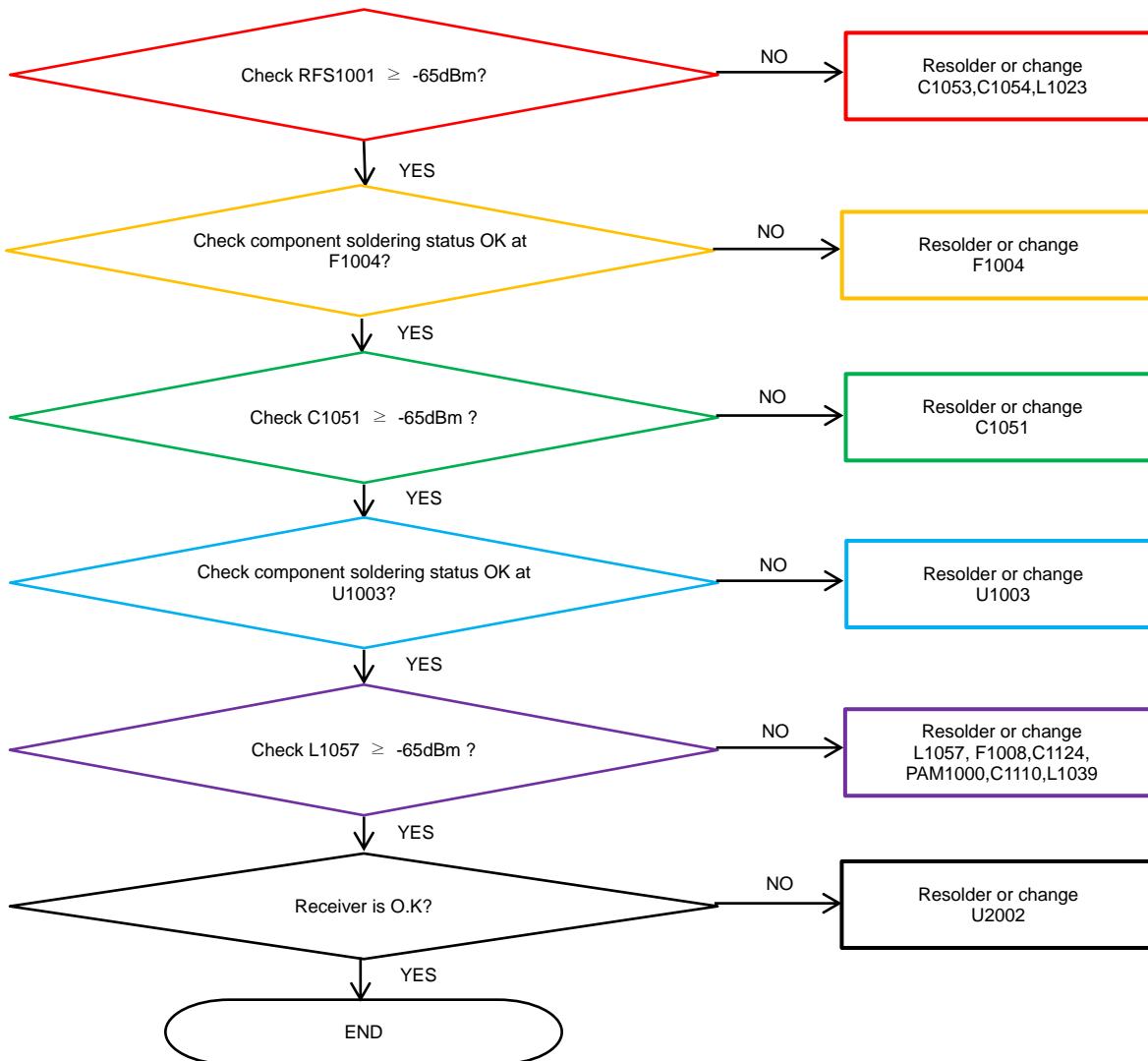
8. Level 3 Repair

8-4-31. LTE B38_41 RX



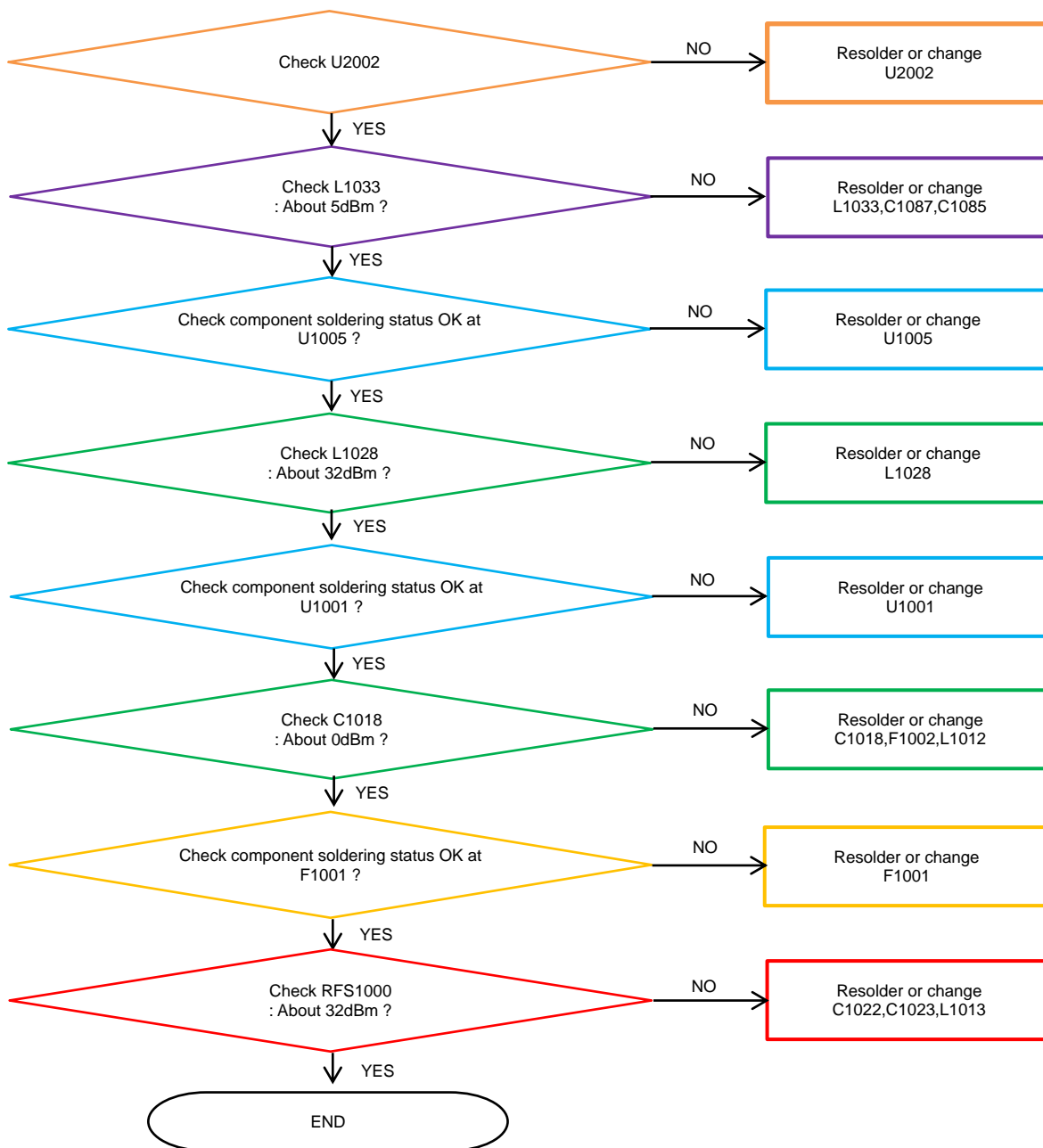
8. Level 3 Repair

8-4-32. LTE B40 RX



8. Level 3 Repair

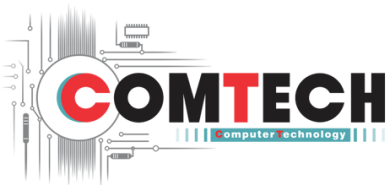
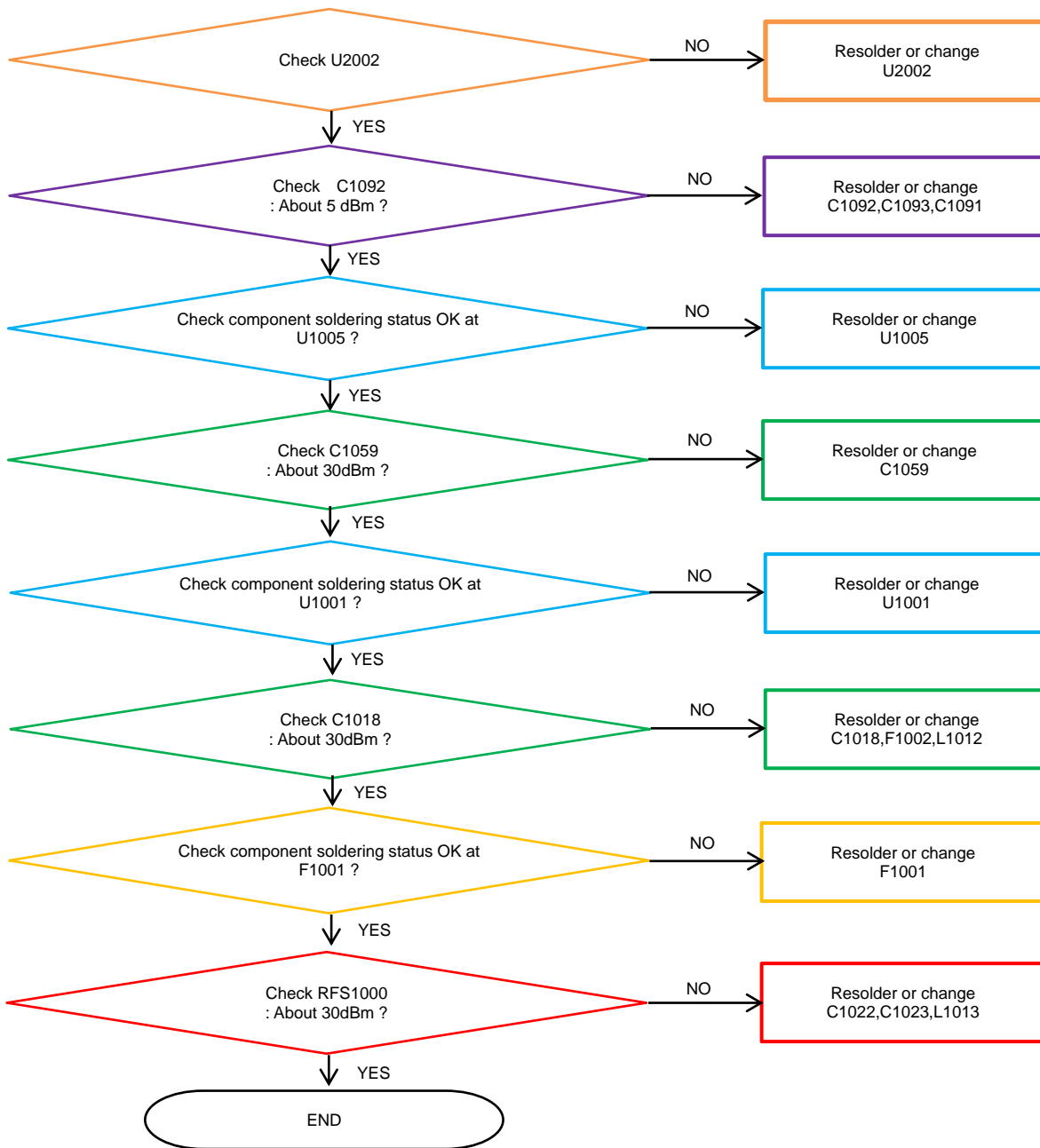
8-4-33. GSM 850 / GSM900 TX



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8. Level 3 Repair

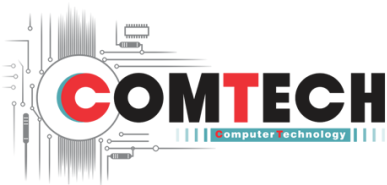
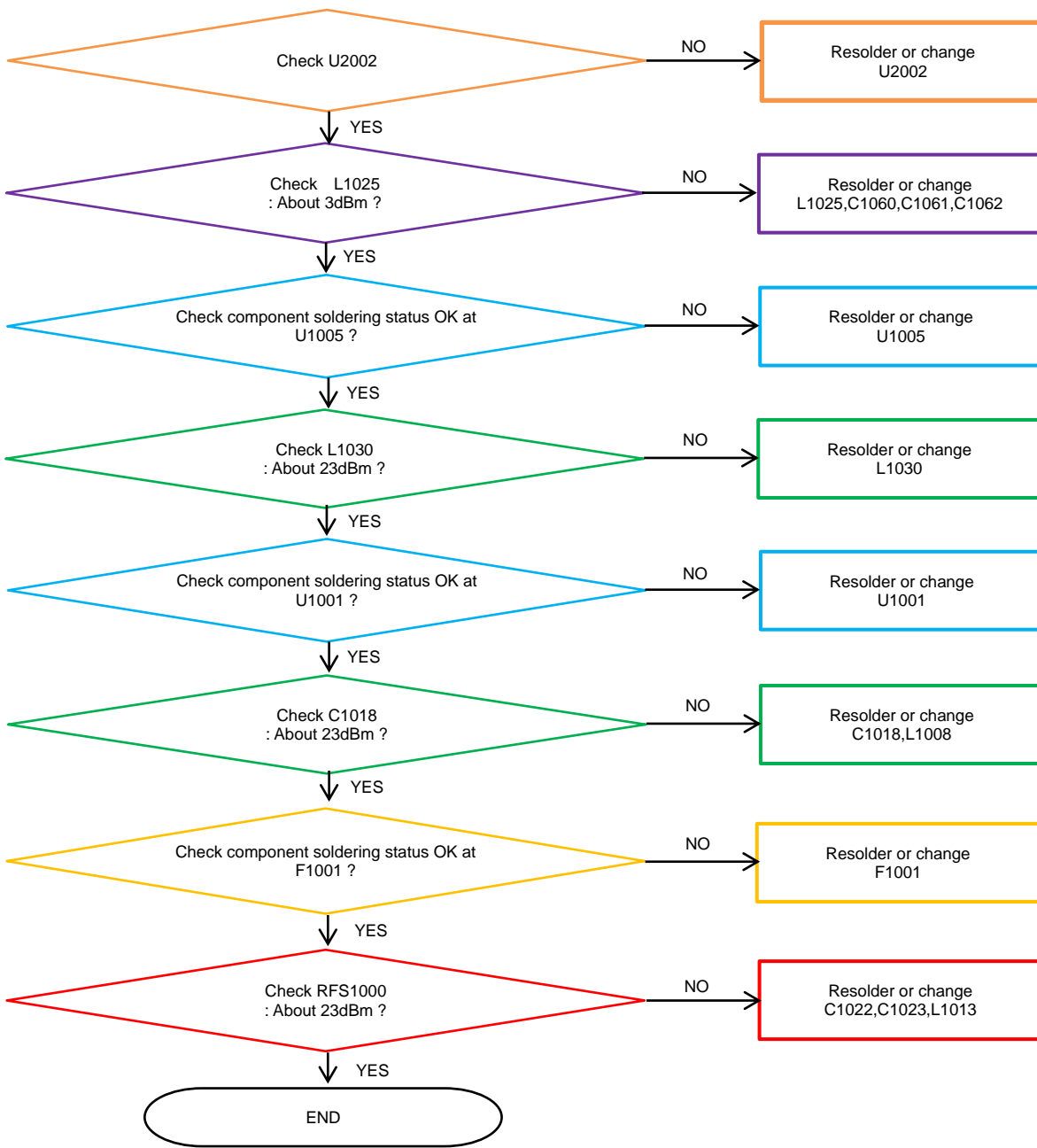
8-4-34. GSM1800/ GSM1900 TX [SM-A305F/FN/G/GN/GT/YN]



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8. Level 3 Repair

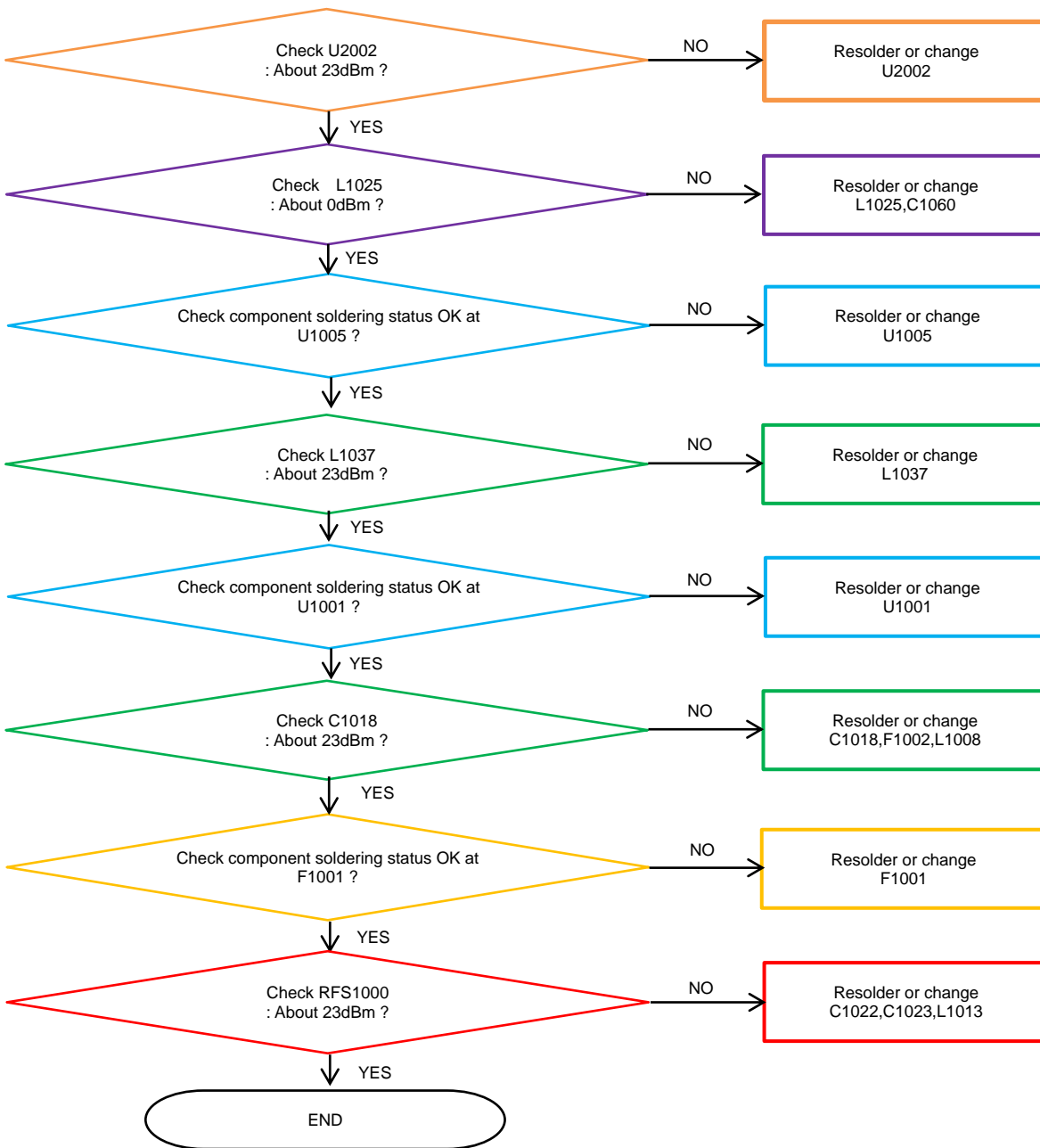
8-4-35. LTE, WCDMA B1 TX [SM-A305F/FN/G/GN/GT/YN]



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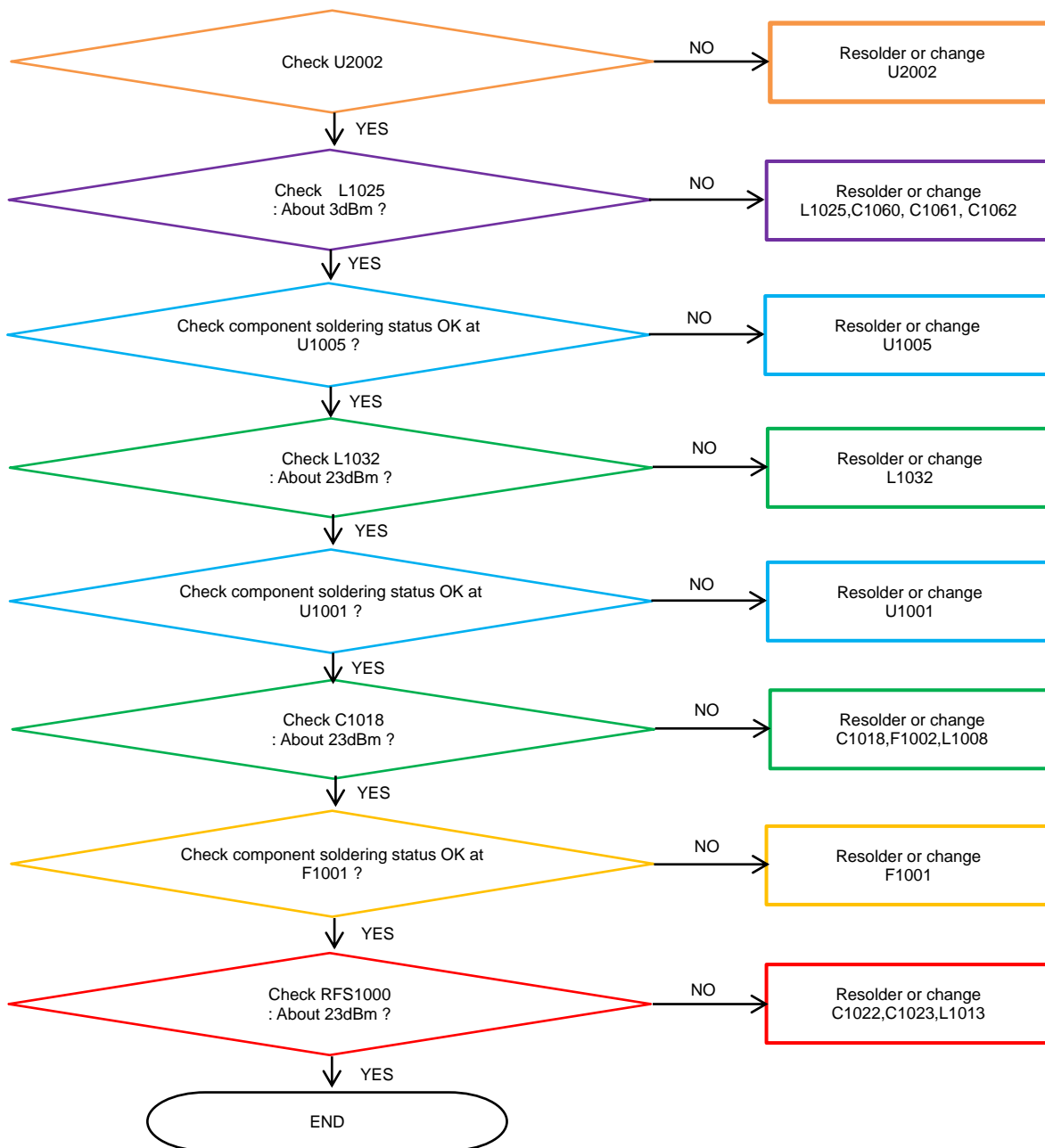
8. Level 3 Repair

8-4-36. WCDMA B2 TX [SM-A305G/GN/GT/YN], LTE B2 [SM-A305G/GN/GT]



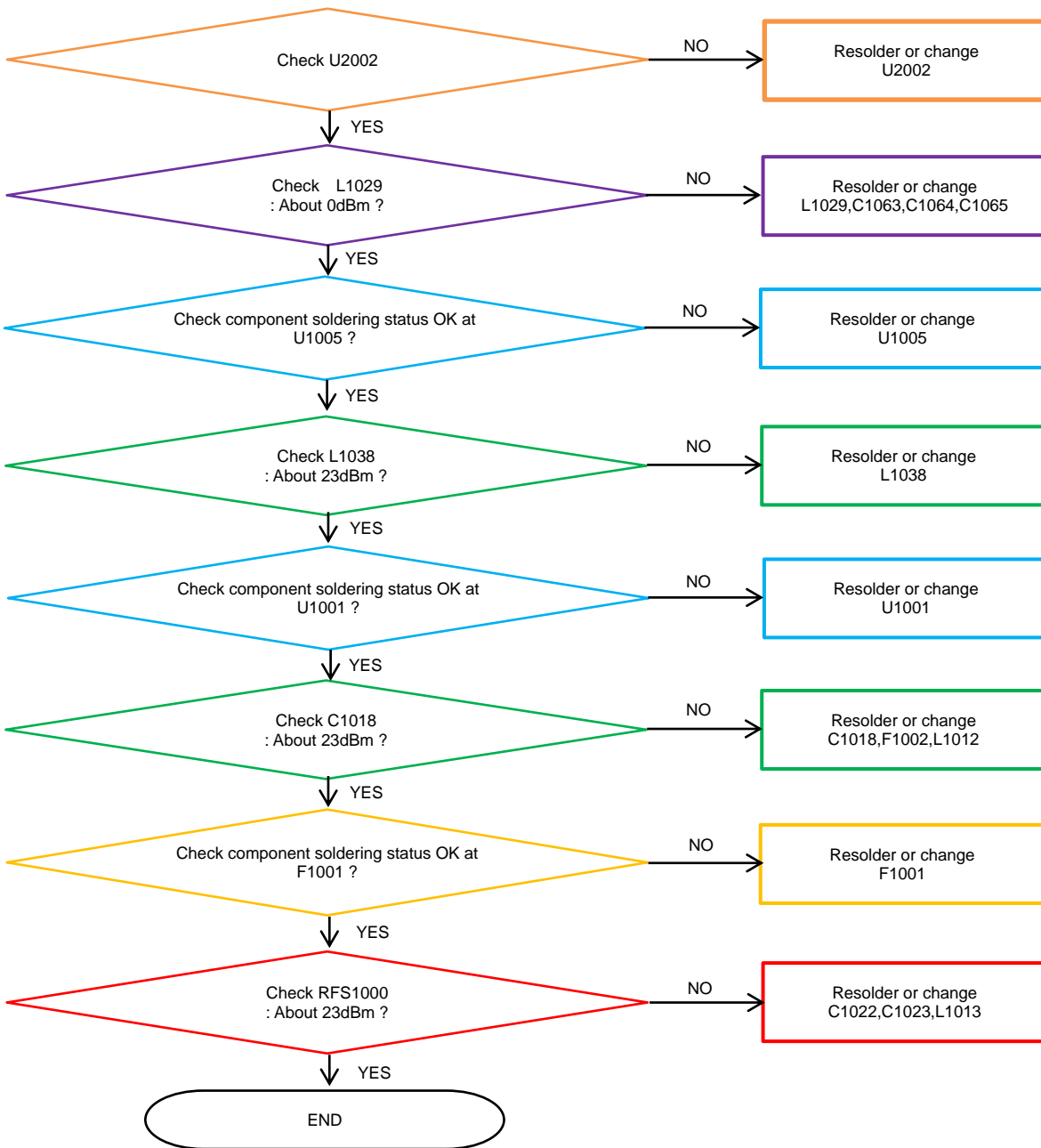
8. Level 3 Repair

8-4-37. LTE B3 TX



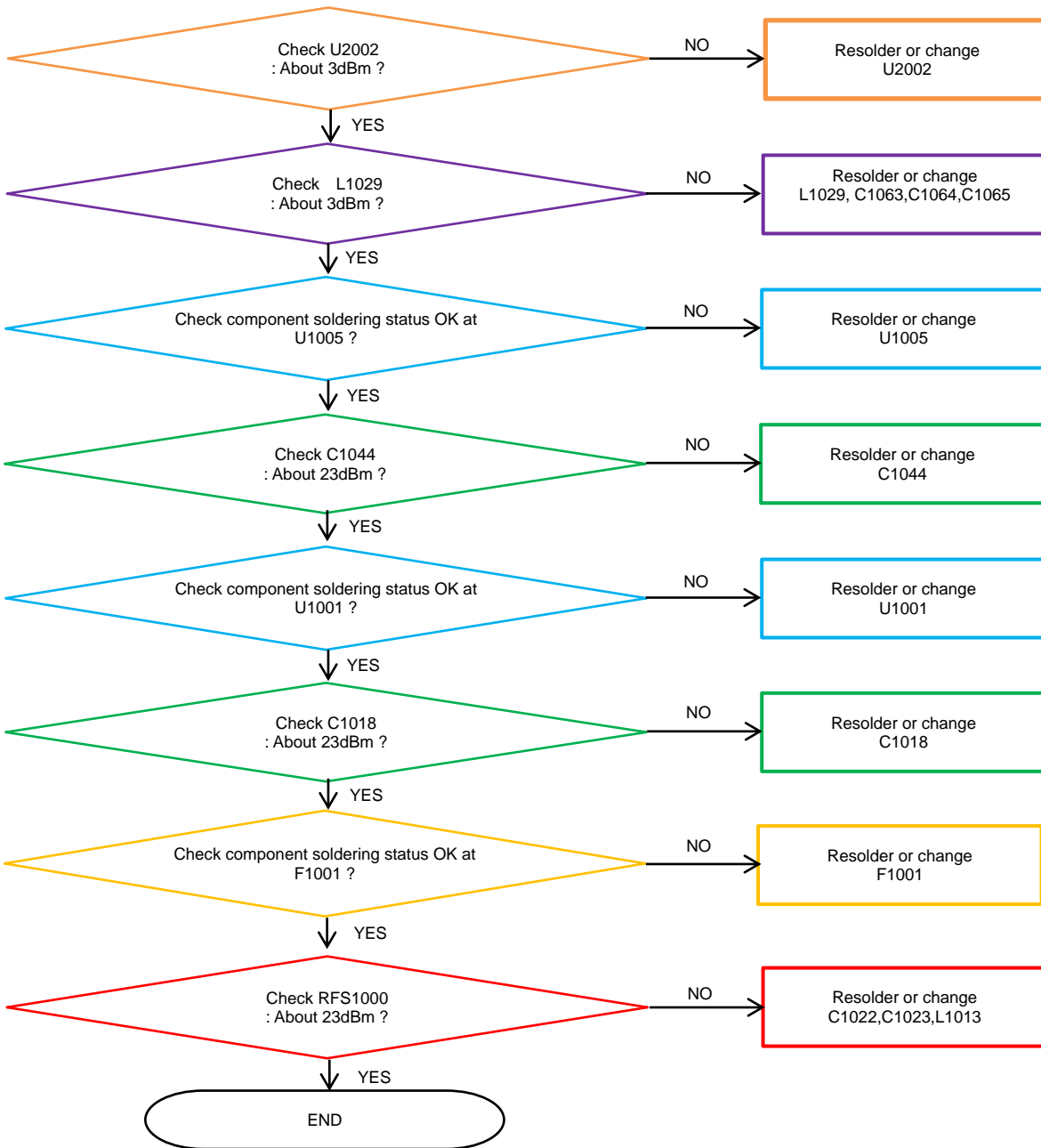
8. Level 3 Repair

8-4-38. LTE, WCDMA B5 TX



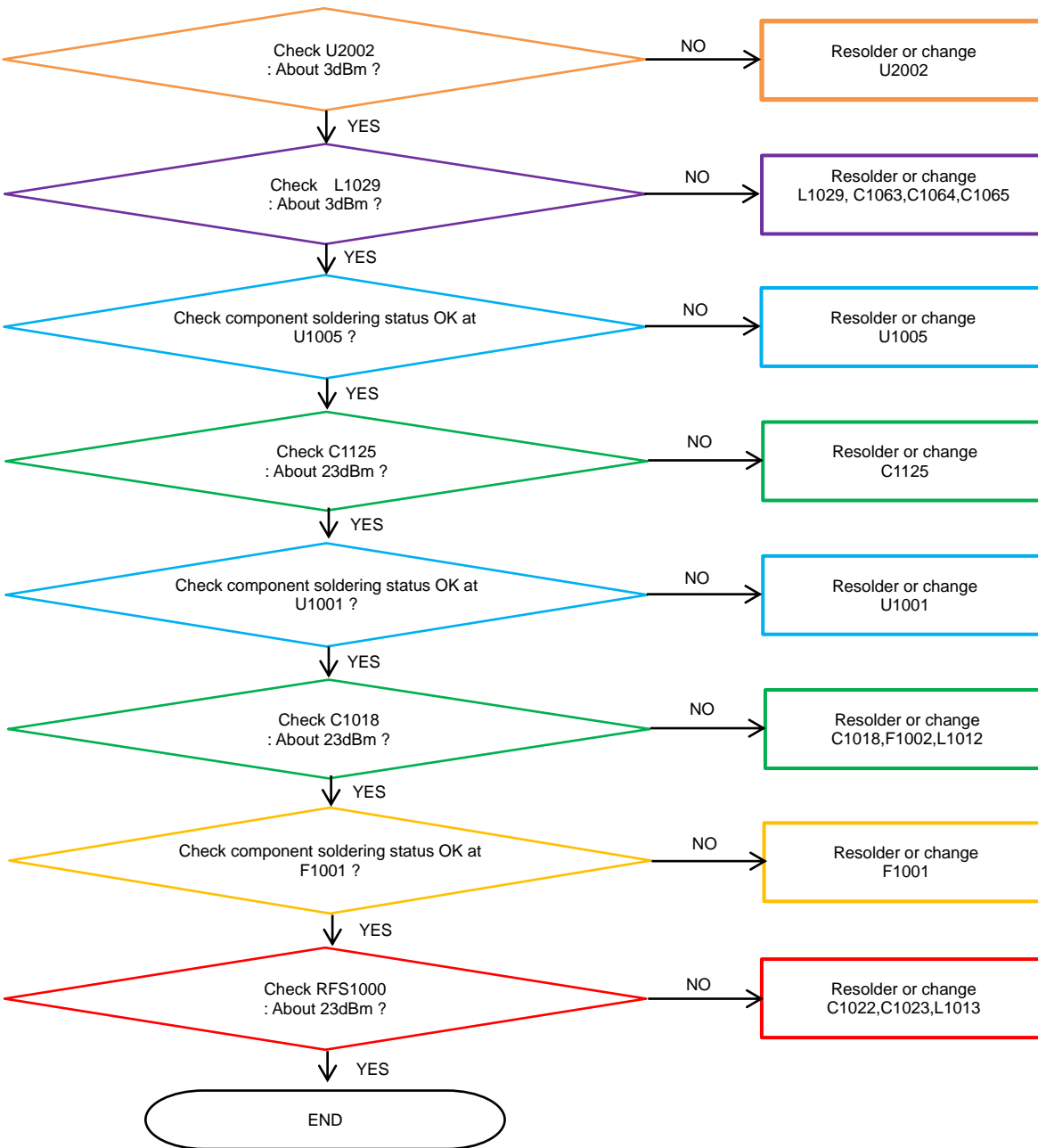
8. Level 3 Repair

8-4-39. LTE, WCDMA B8 TX



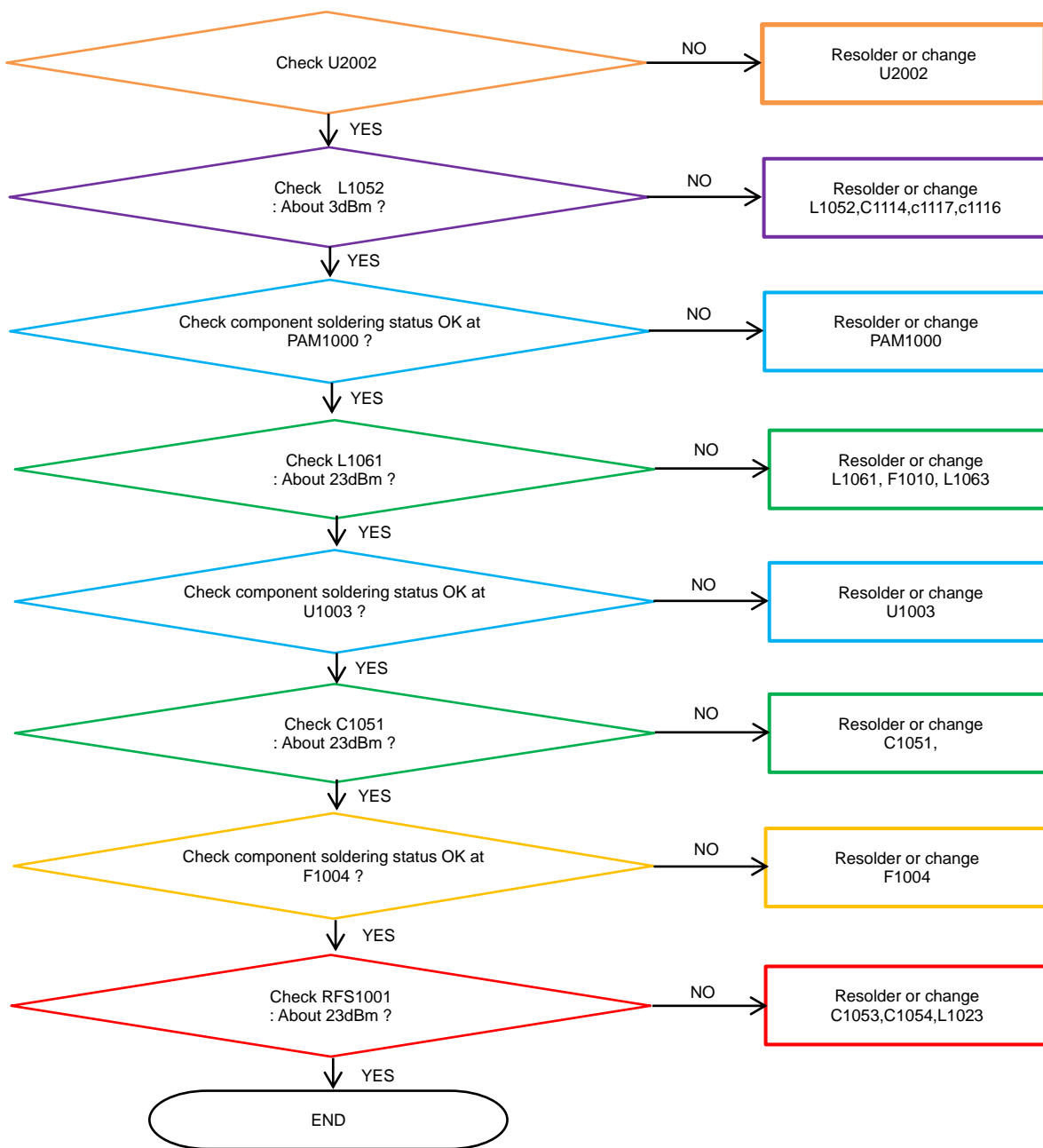
8. Level 3 Repair

8-4-40. LTE B20 TX



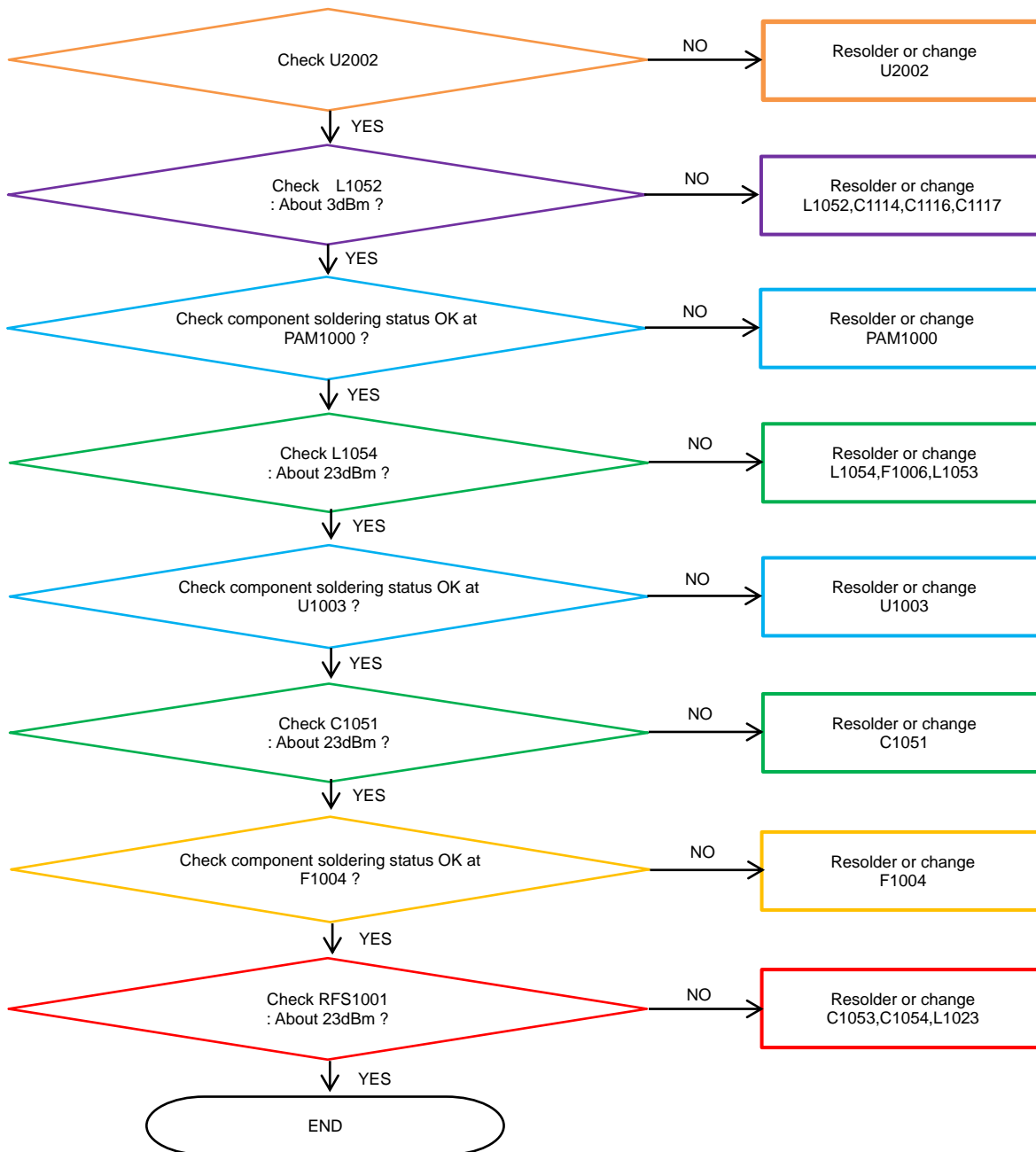
8. Level 3 Repair

8-4-41. LTE B7 TX



8. Level 3 Repair

8-4-42. LTE B38, 41 TX



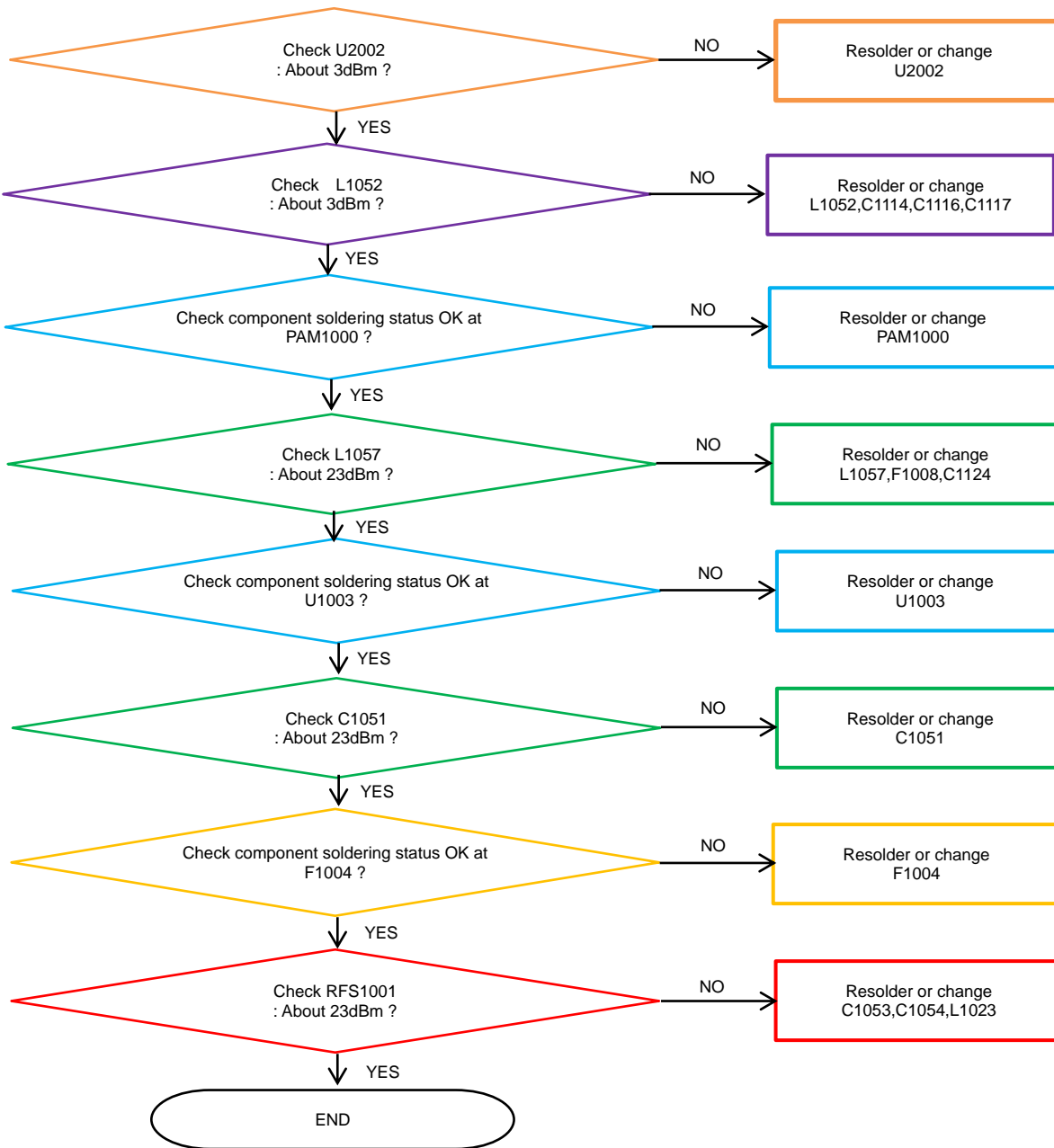
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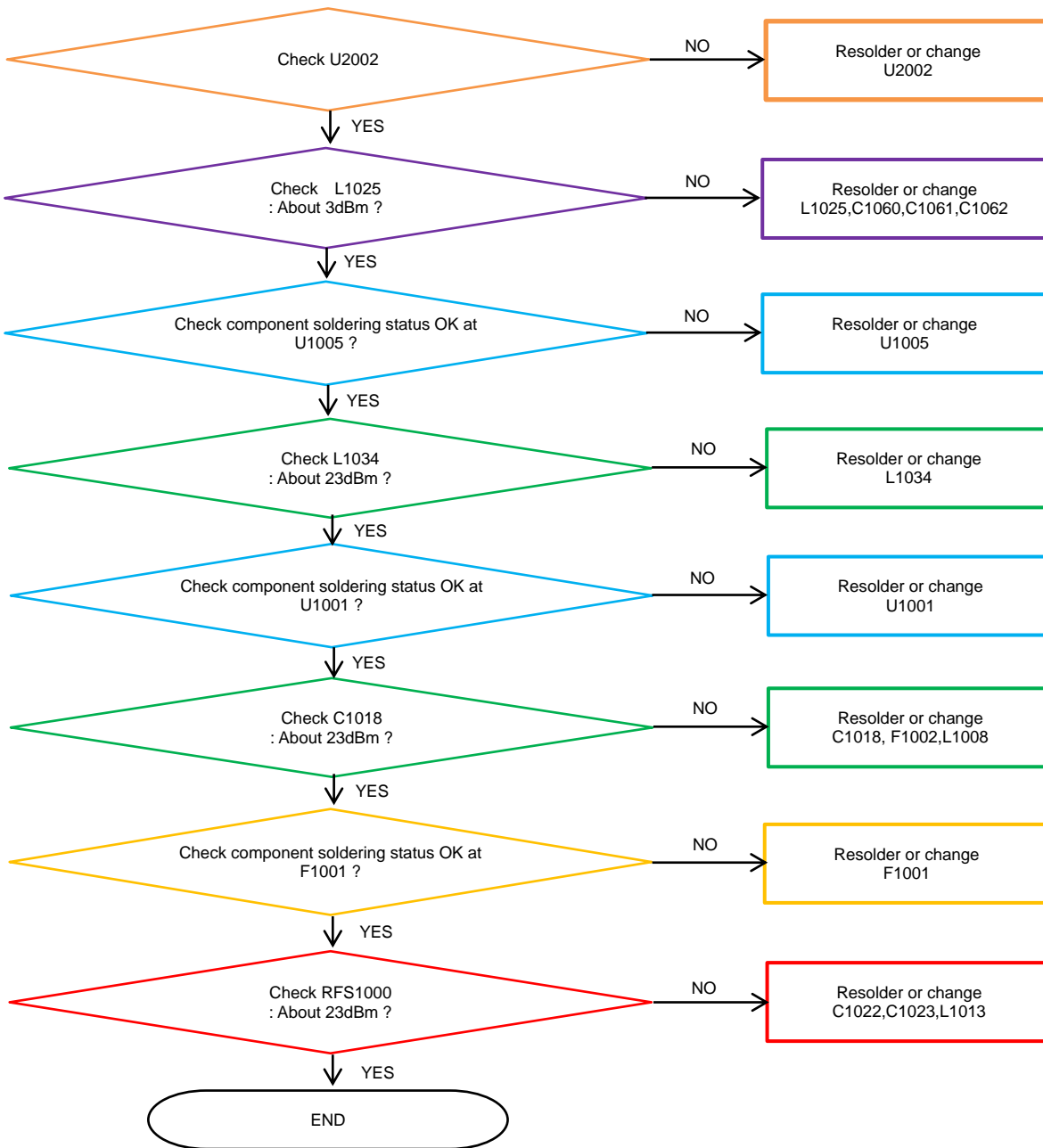
8. Level 3 Repair

8-4-43. LTE B40 TX



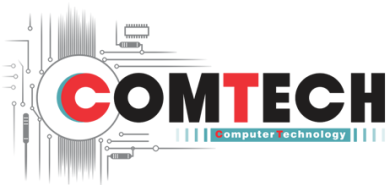
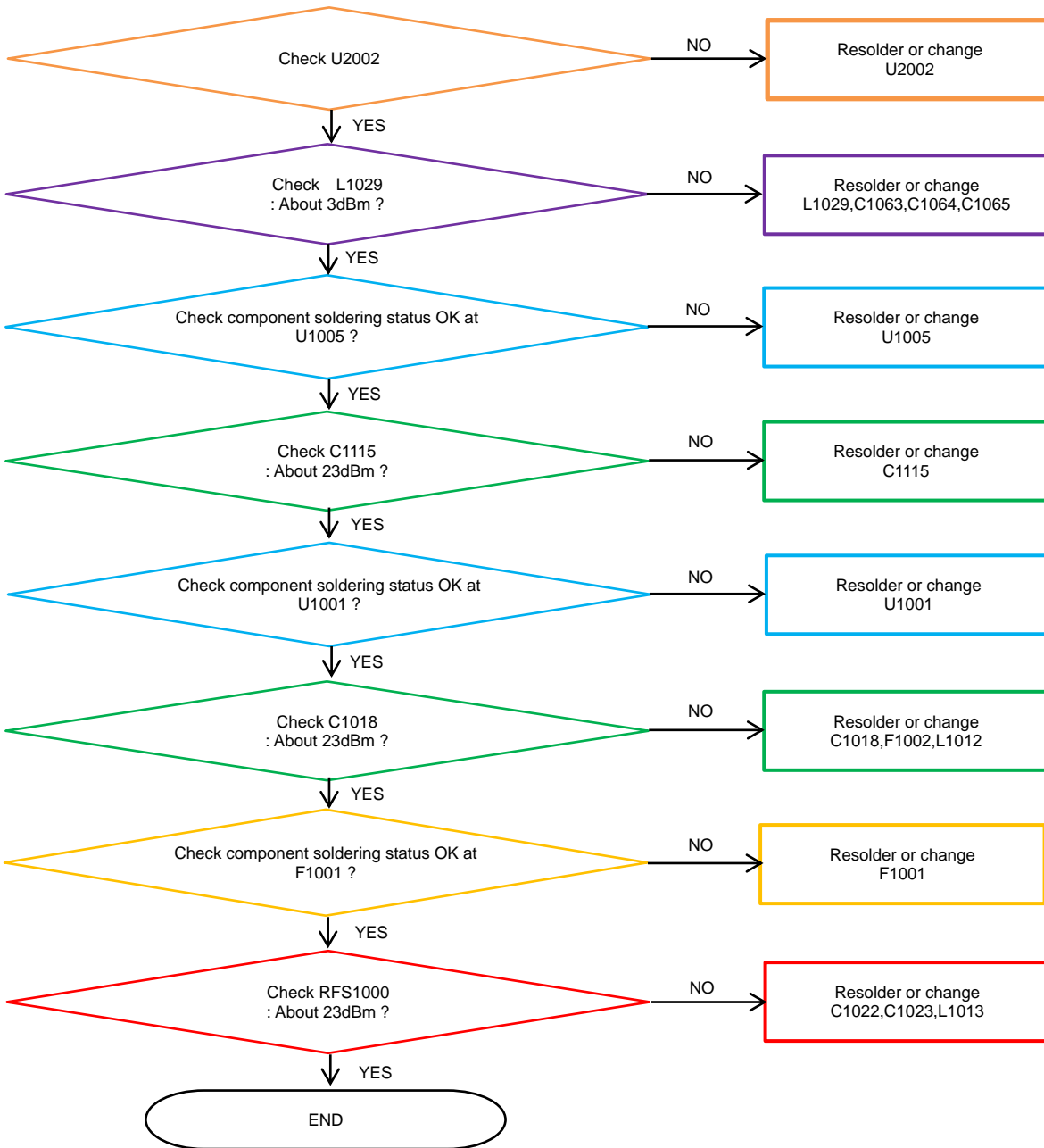
8. Level 3 Repair

8-4-44. WCDMA B4, LTE B4/B66 TX [SM-A305G/GN/GT]



8. Level 3 Repair

8-4-45. LTE B12/B17 TX [SM-A305G/GN/GT/YN]



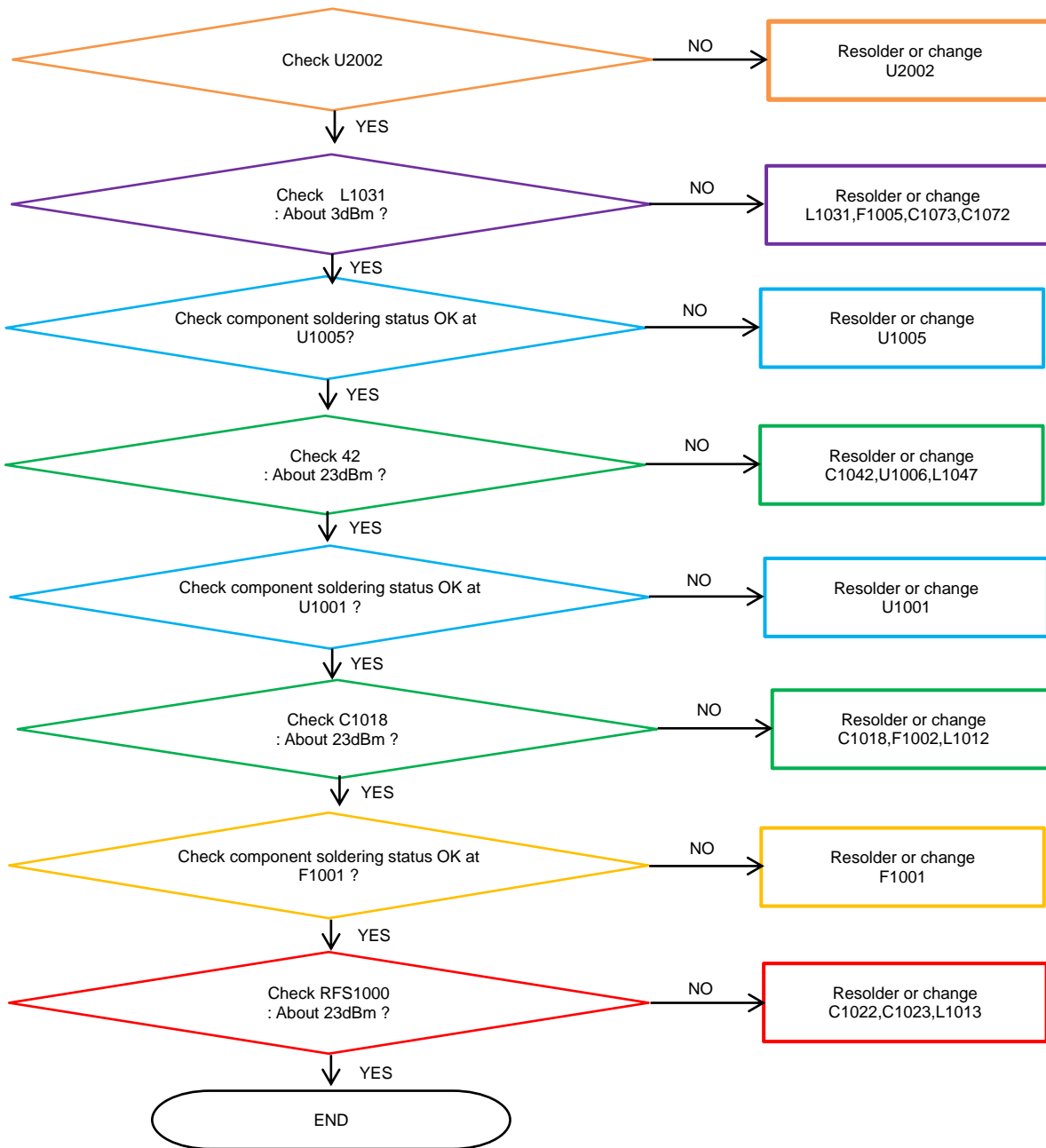
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8. Level 3 Repair

8-4-46. LTE B13 TX [SM-A305G/GN/GT]



8. Level 3 Repair

8-4-47. LTE B28 TX [SM-A305G/GN/GT/YN]

