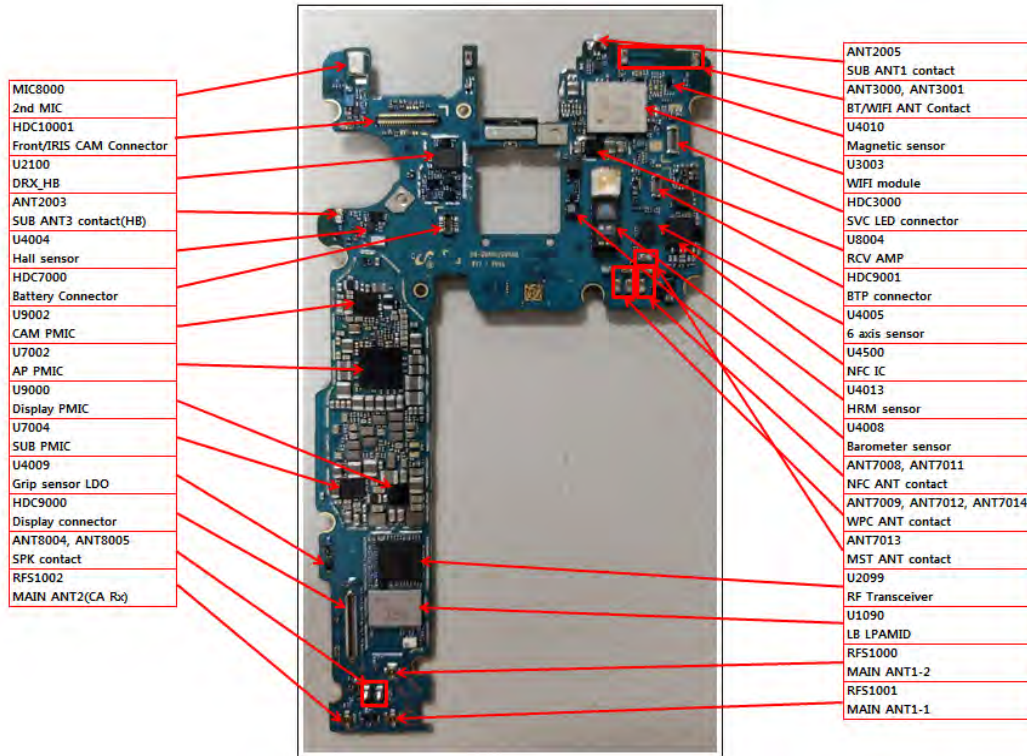


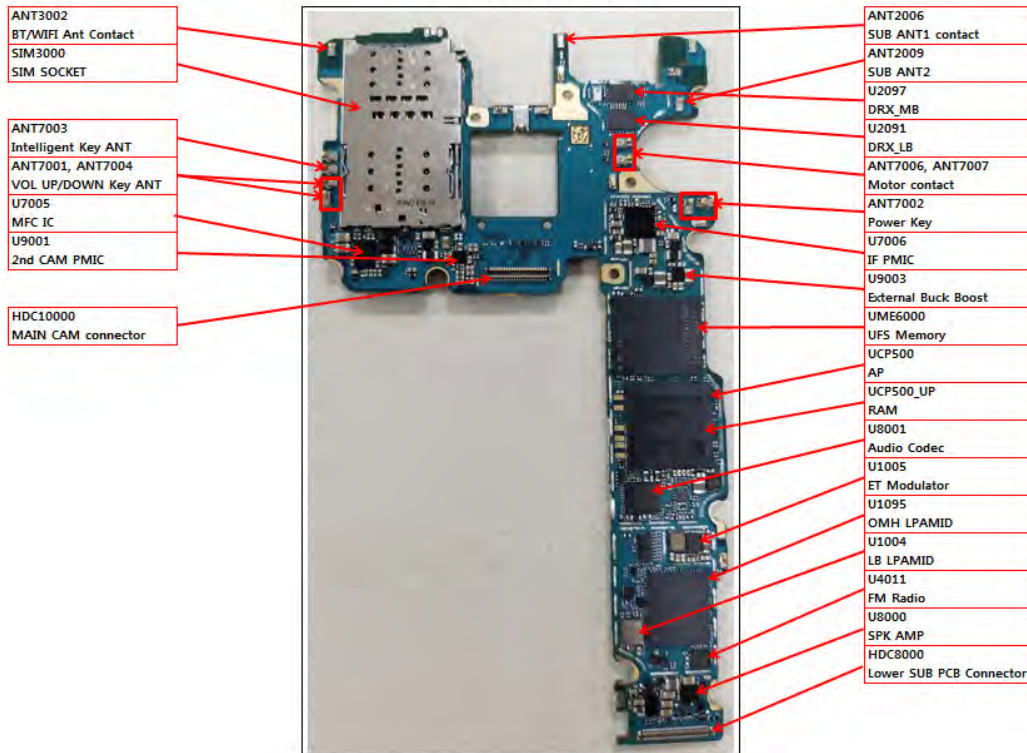
## 8. Level 3 Repair

### 8-1. Components Layout

PBA (Rear Side)



PBA (Front Side)

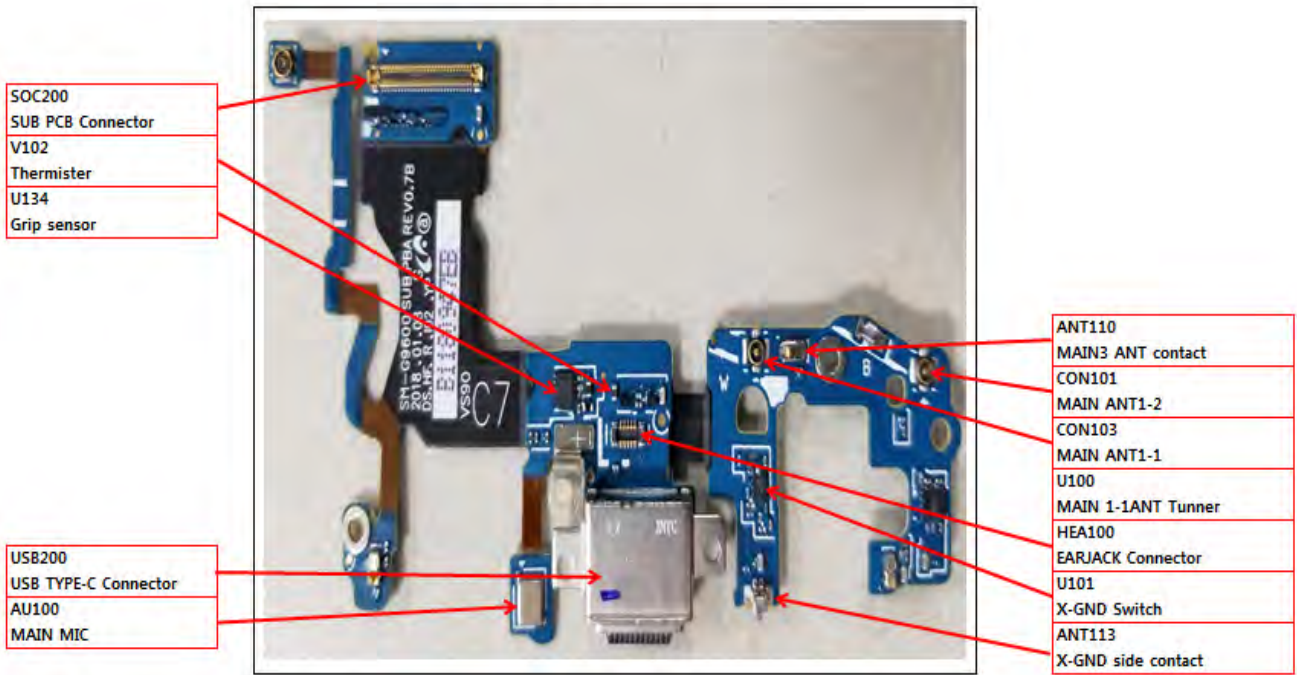


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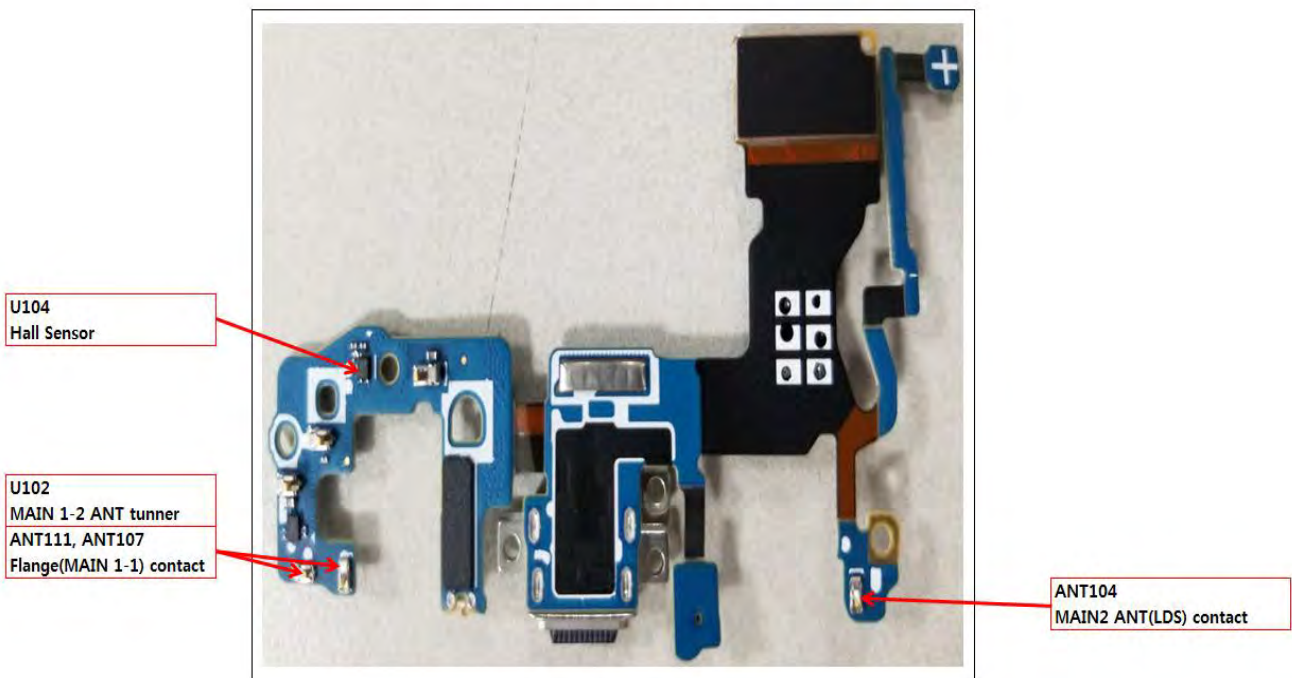
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8. Level 3 Repair

SUB PBA (Front Side)



SUB PBA (Rear Side)

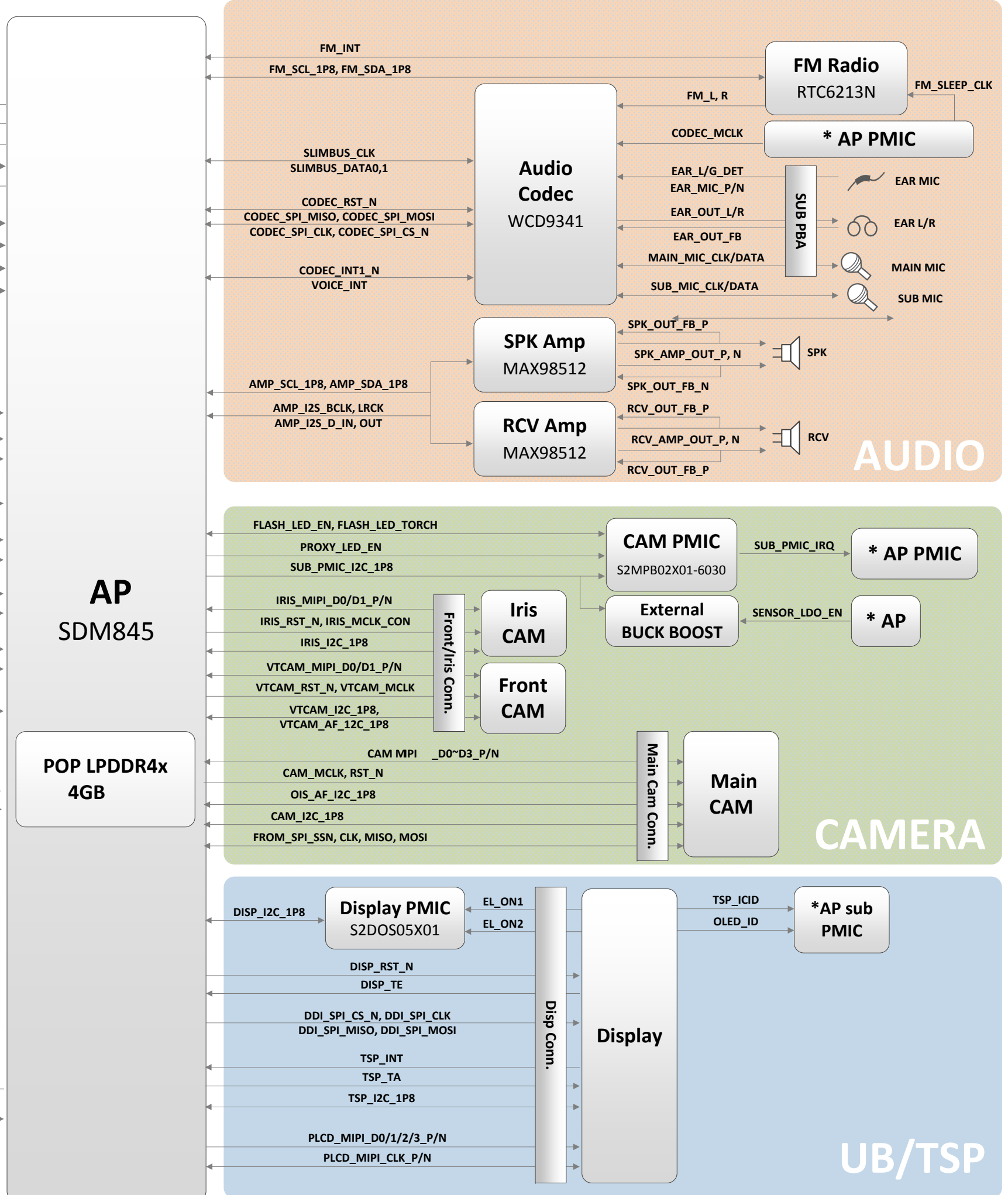
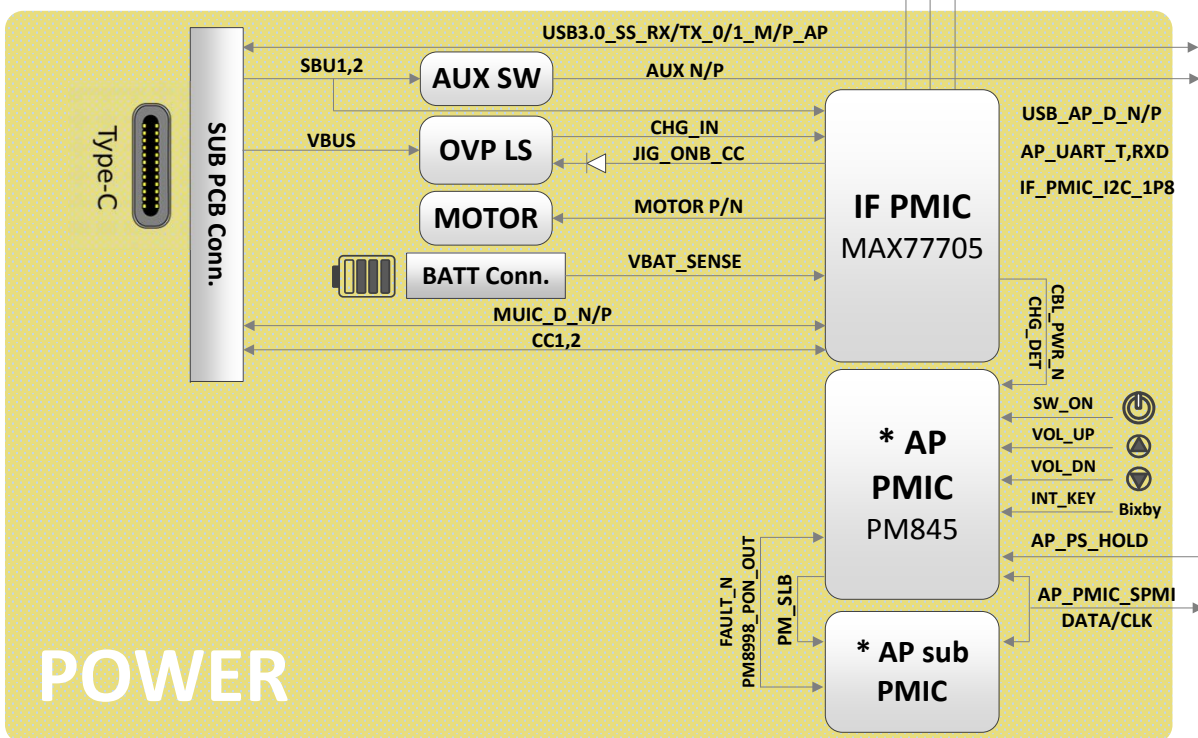
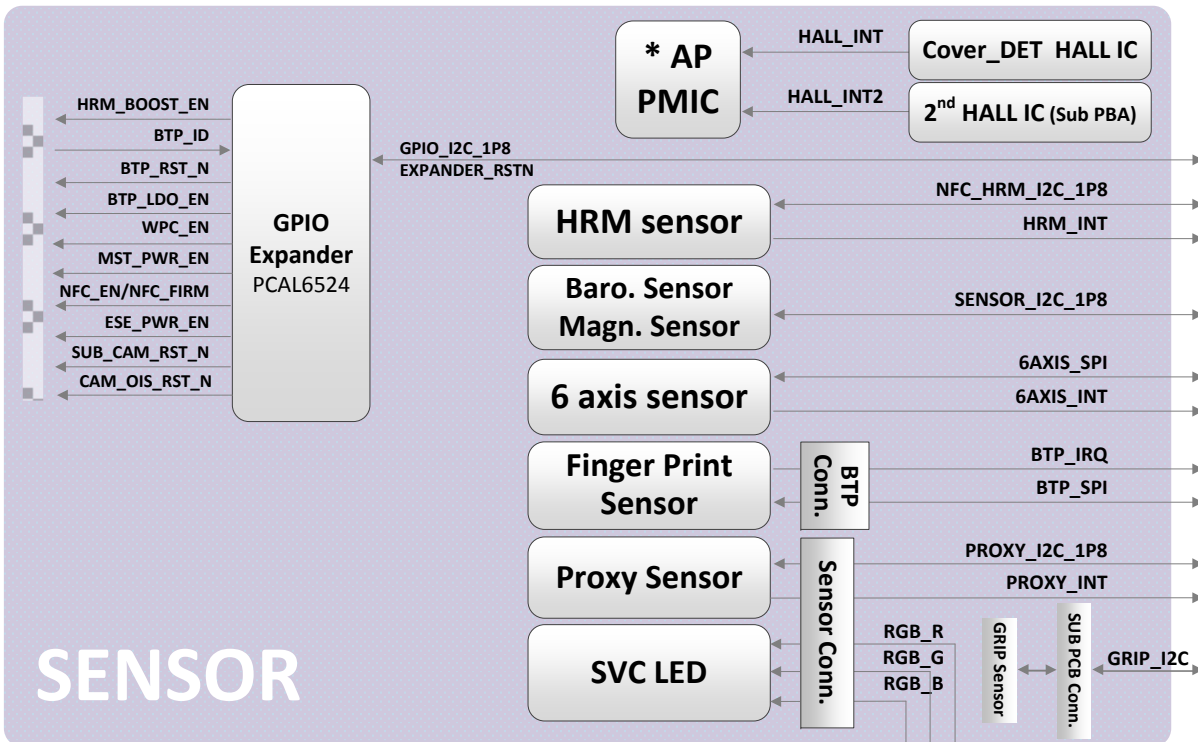
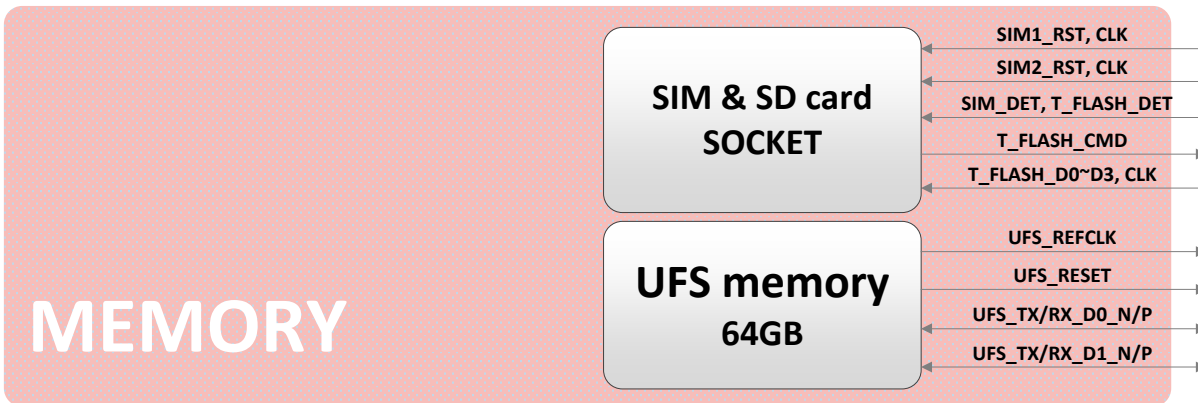


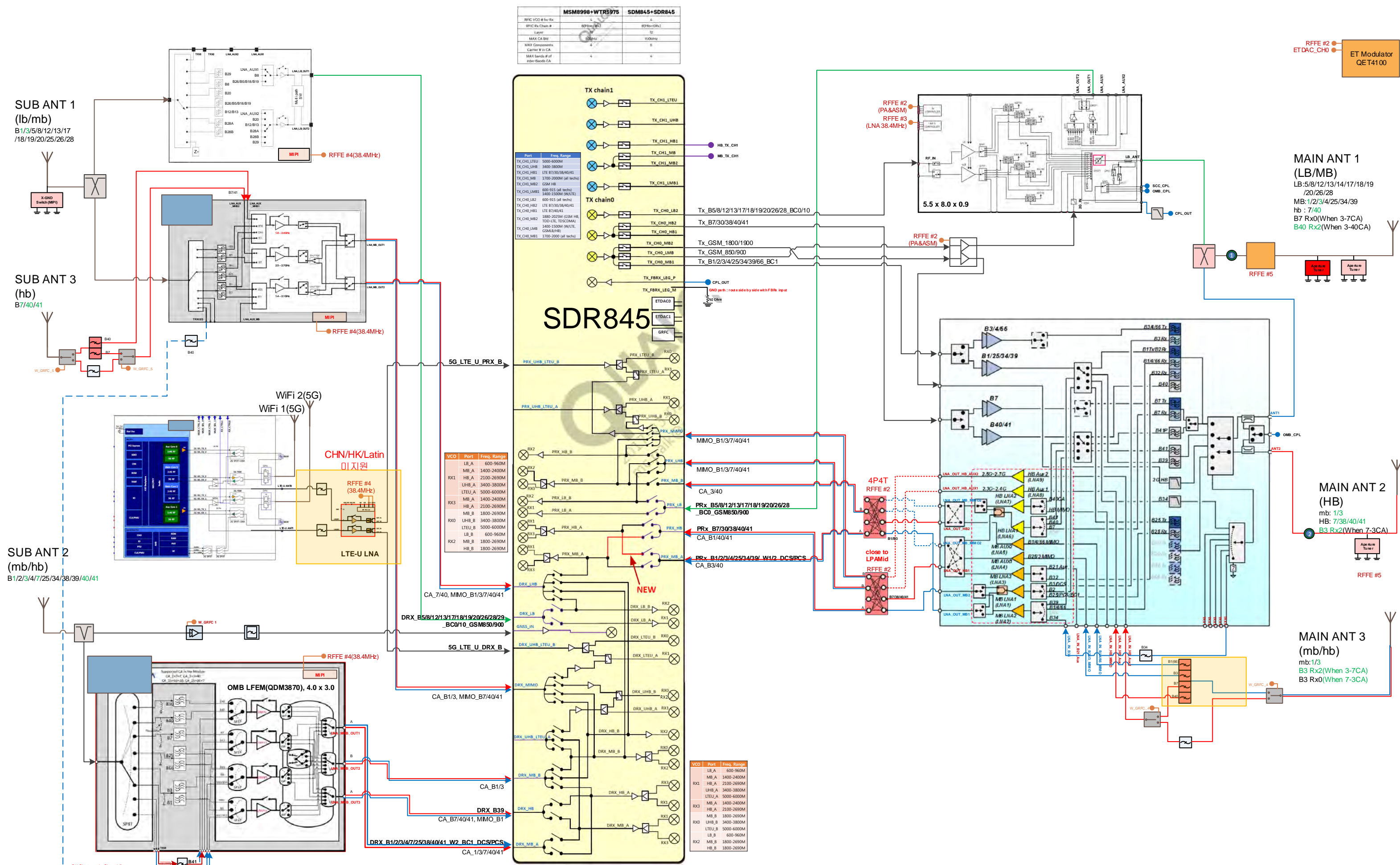
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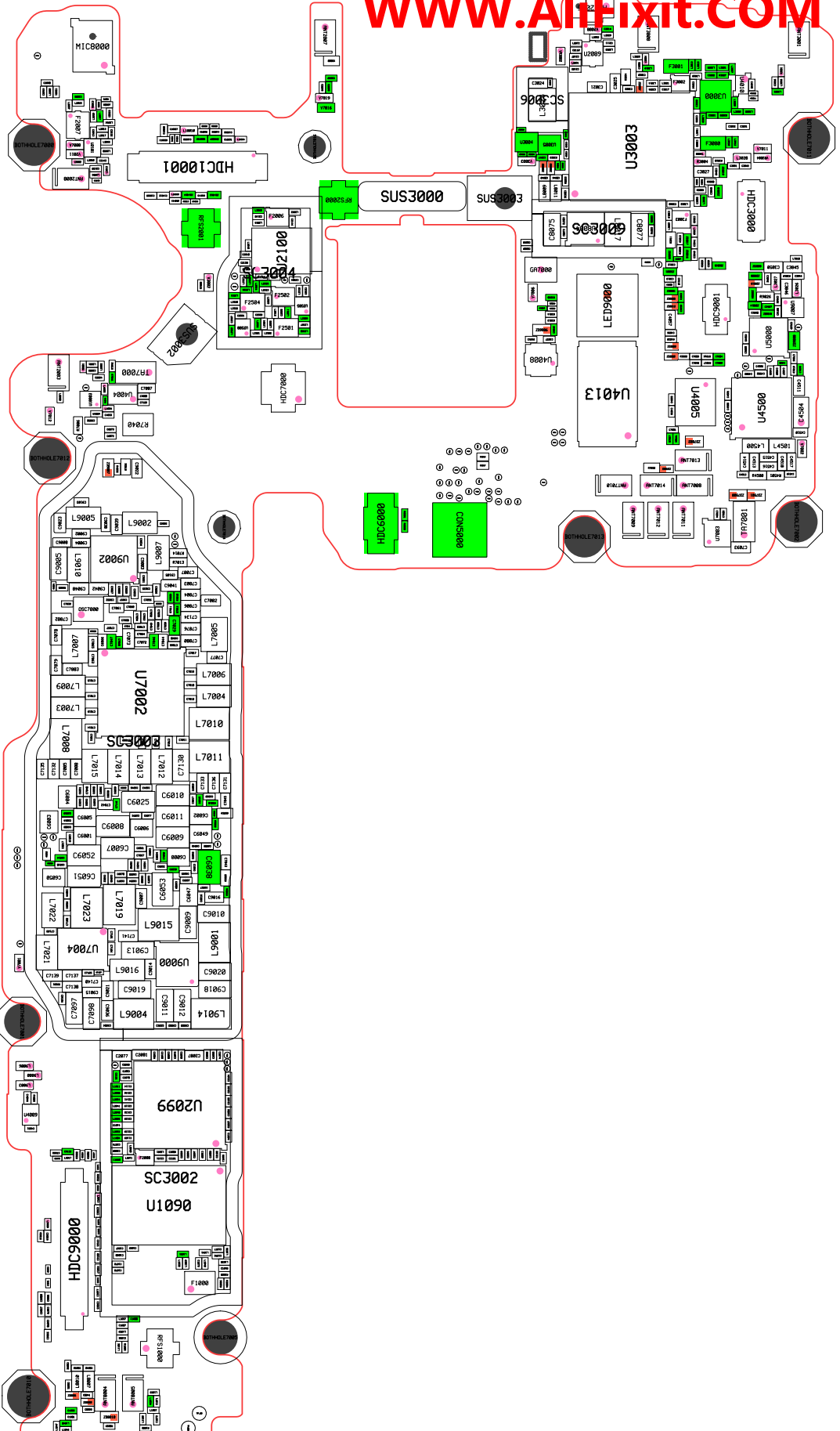


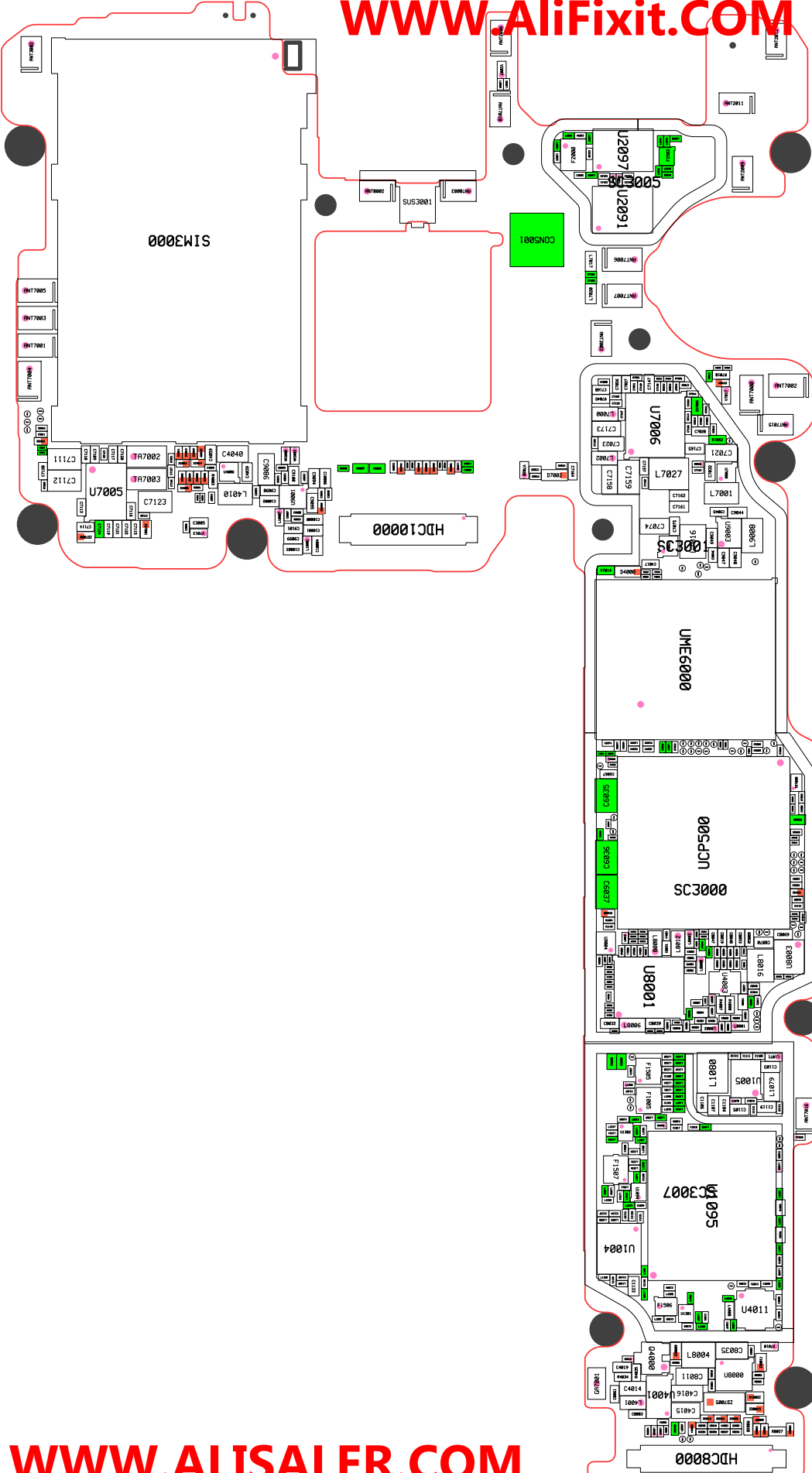
[SM-G9600] Logic Block Diagram





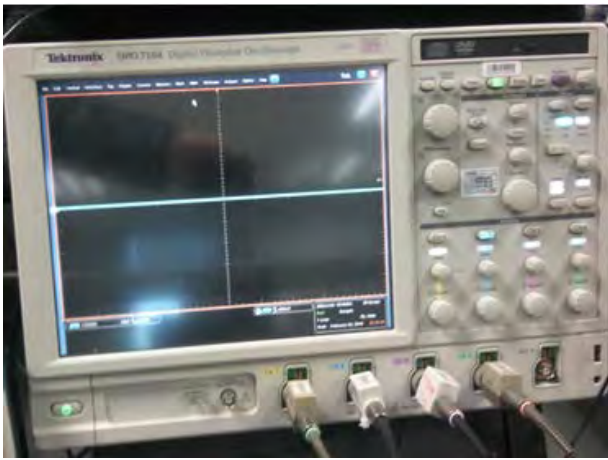






## 8. Level 3 Repair

### 8-3. Flow chart of Troubleshooting.



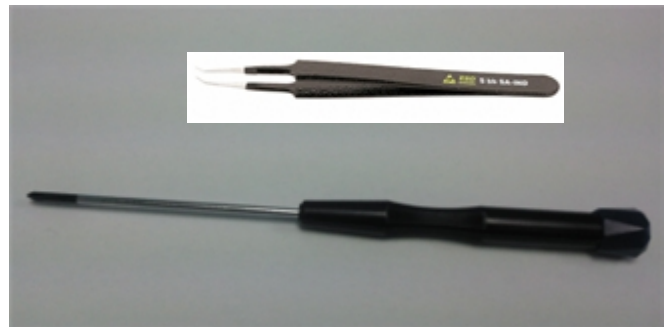
Oscilloscope



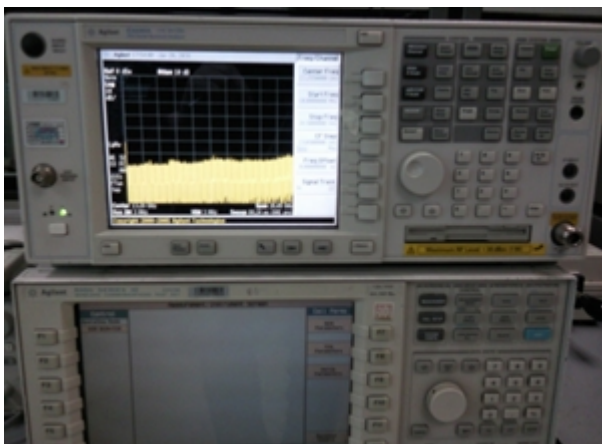
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



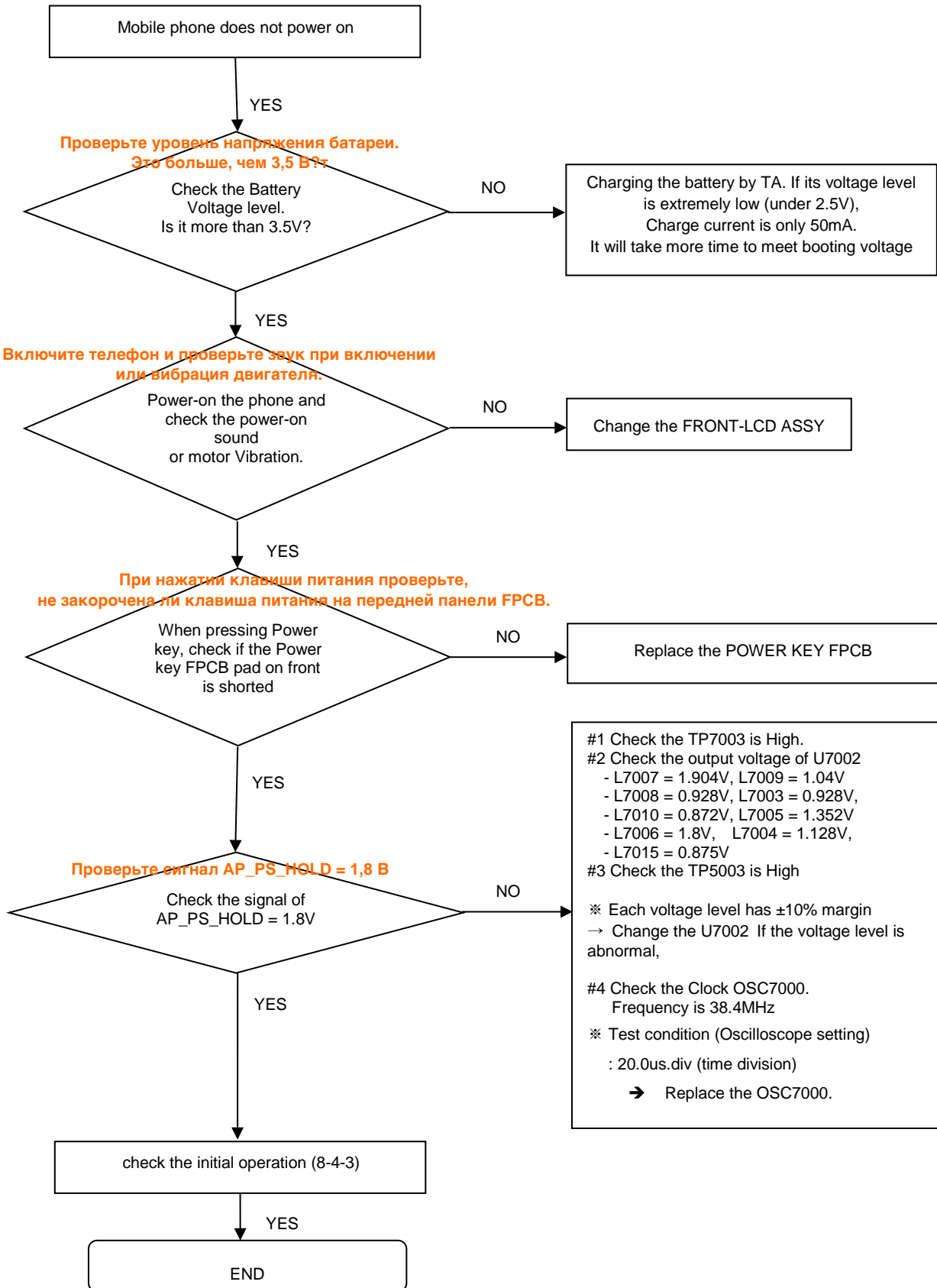
8960 & Spectrum Analyzer



Soldering iron

## 8. Level 3 Repair

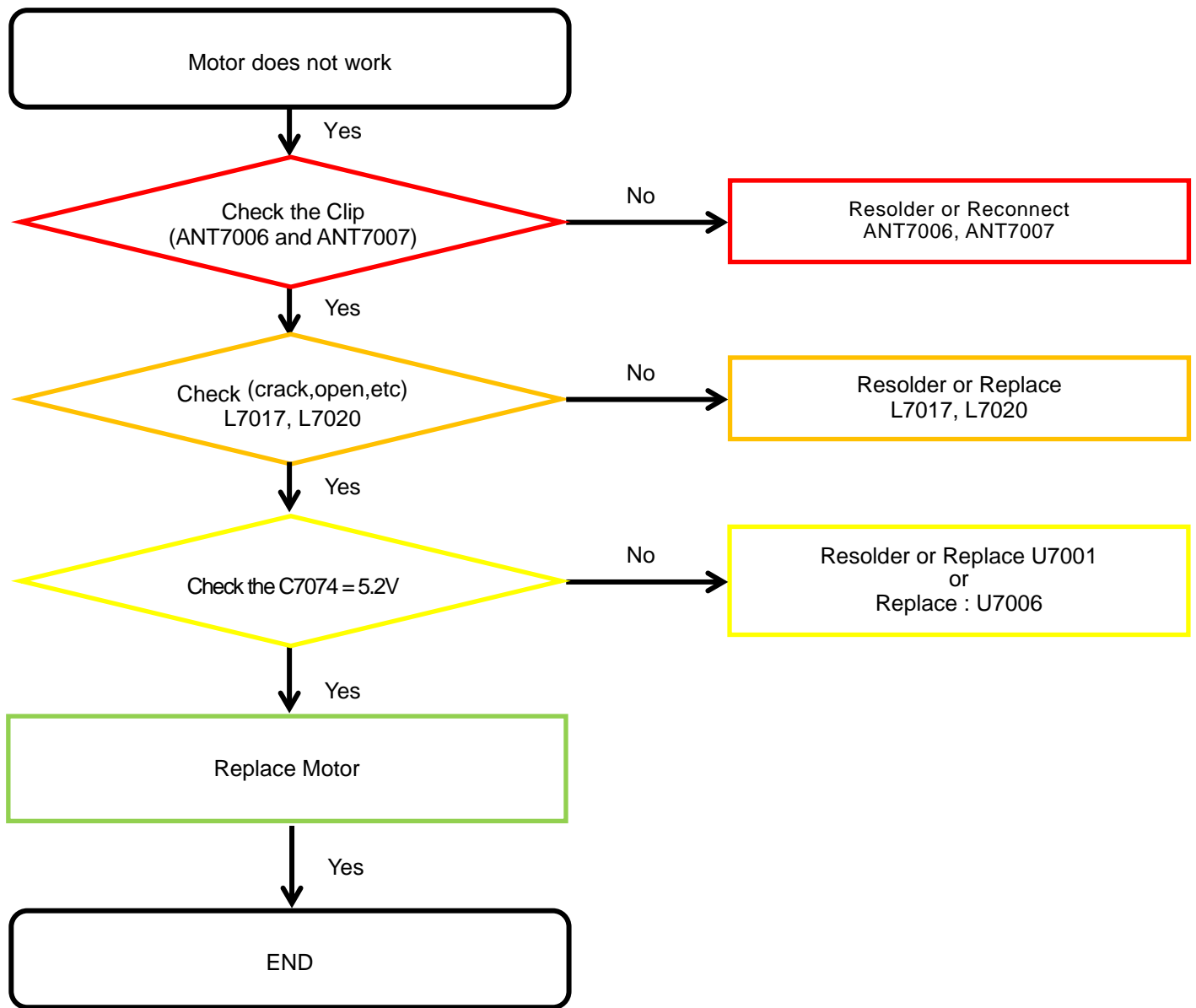
### 8-4-1. Power on





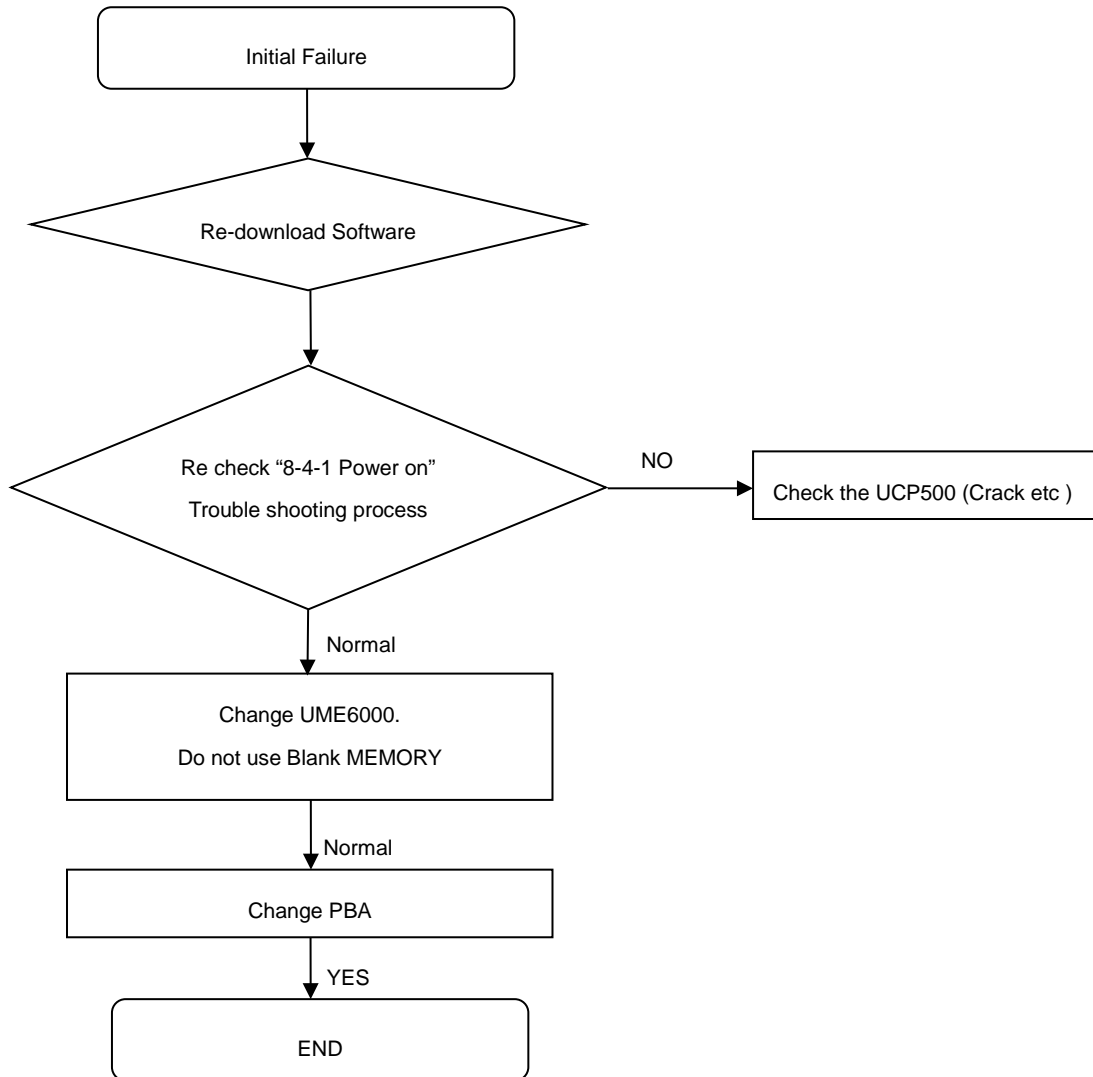
## 8. Level 3 Repair

### 8-4-2. Motor



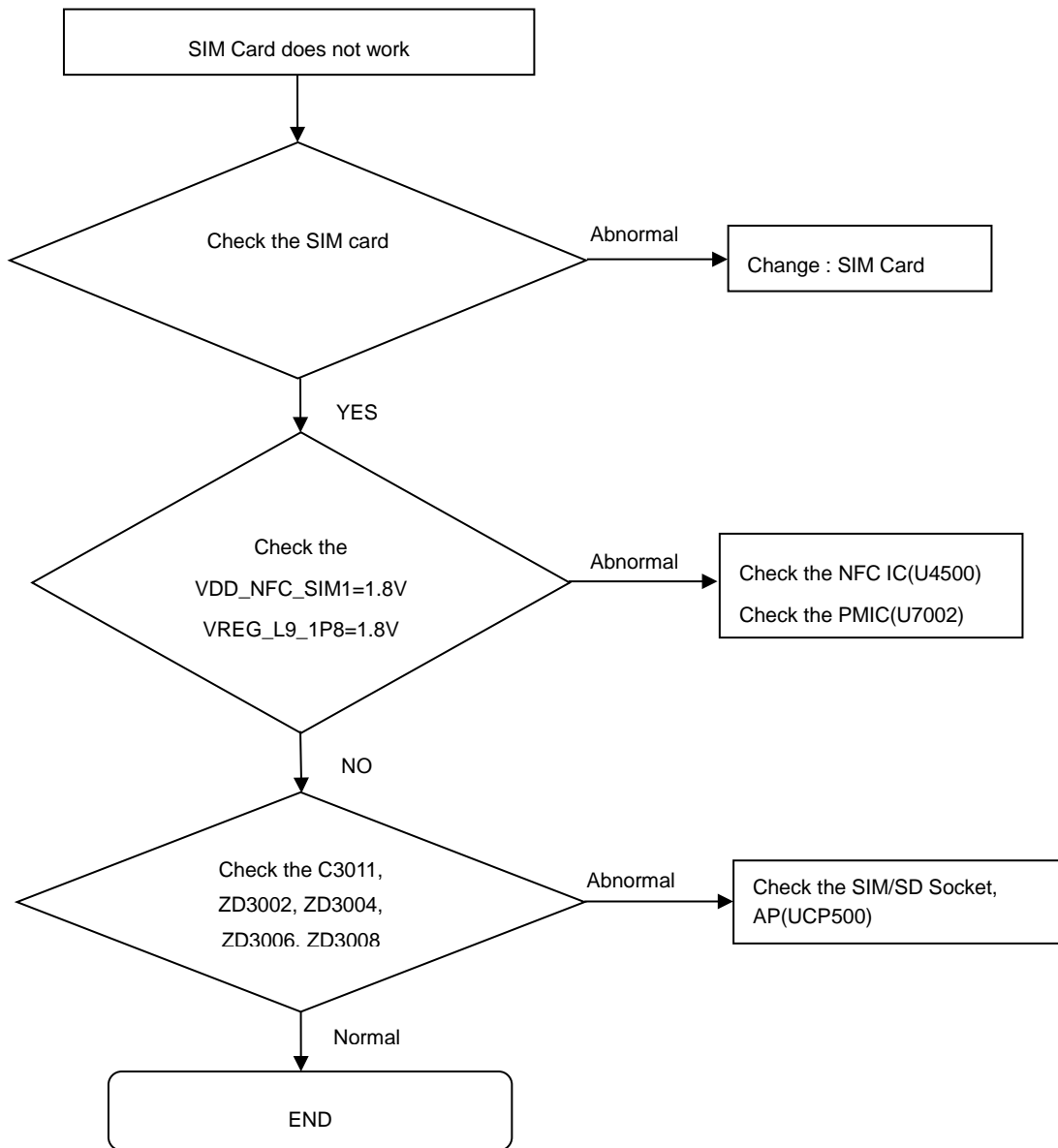
## 8. Level 3 Repair

### 8-4-3. initial



8. Level 3 Repair

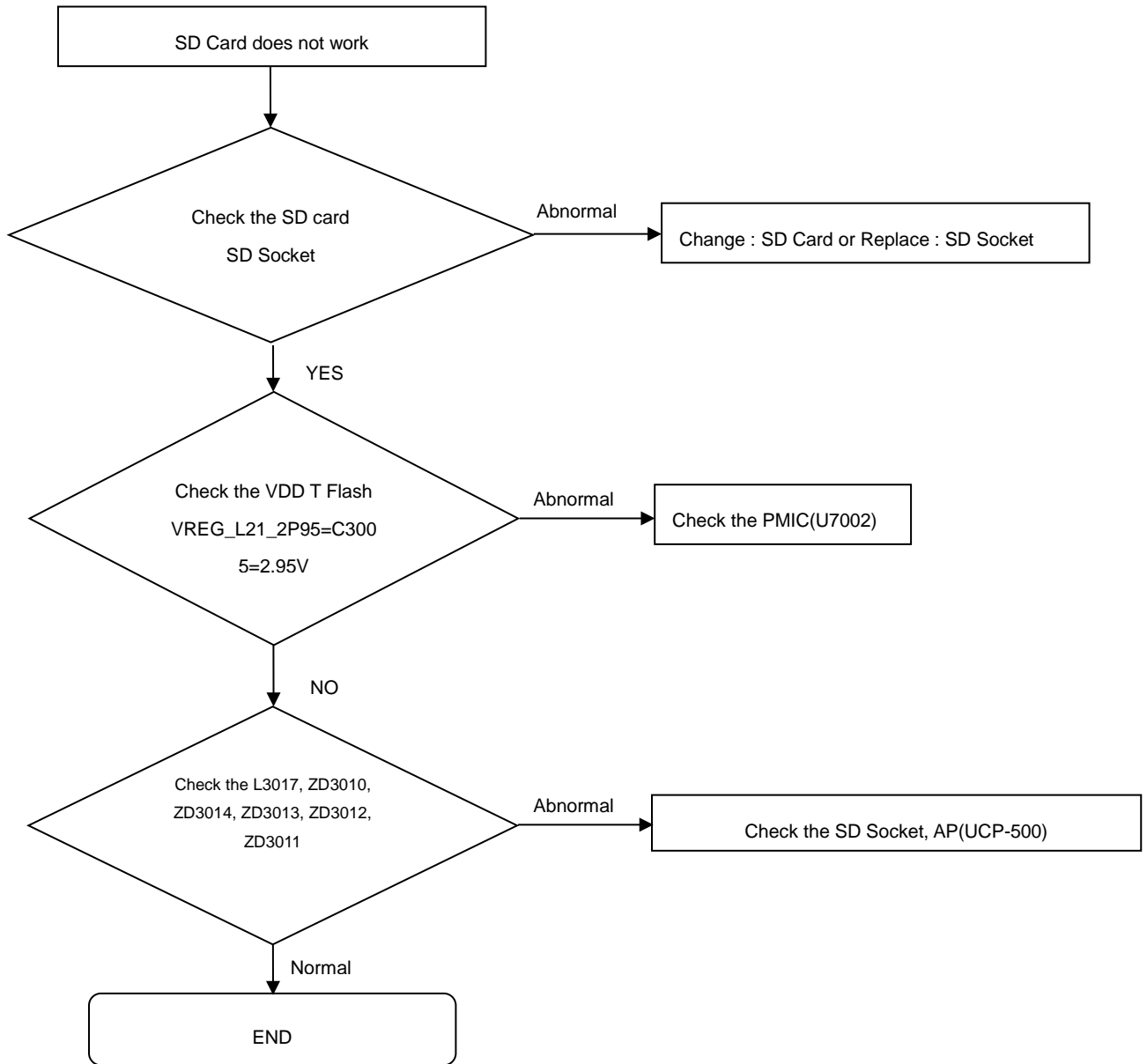
8-4-4. SIM PART





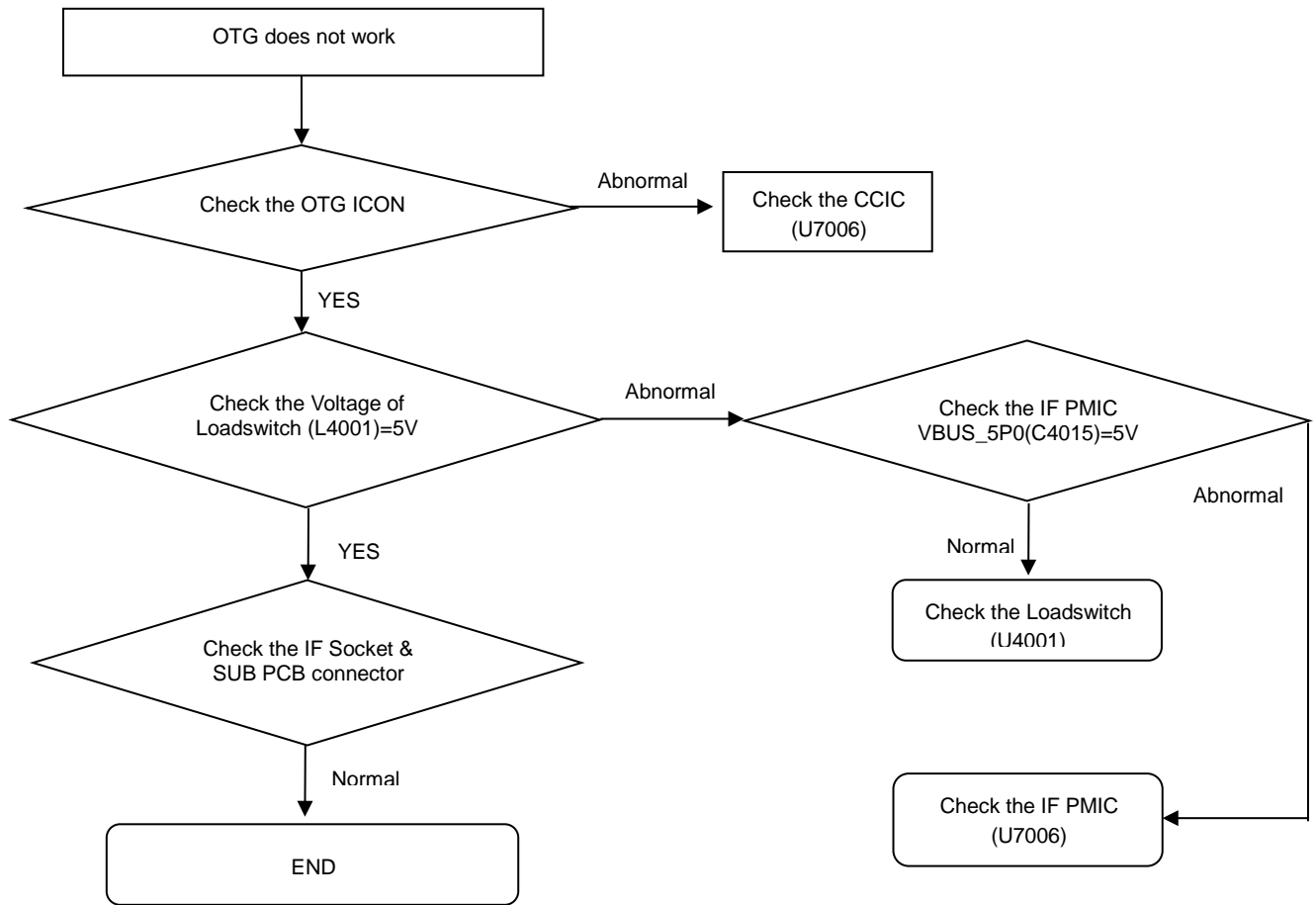
8. Level 3 Repair

8-4-5. SIM/SD PART



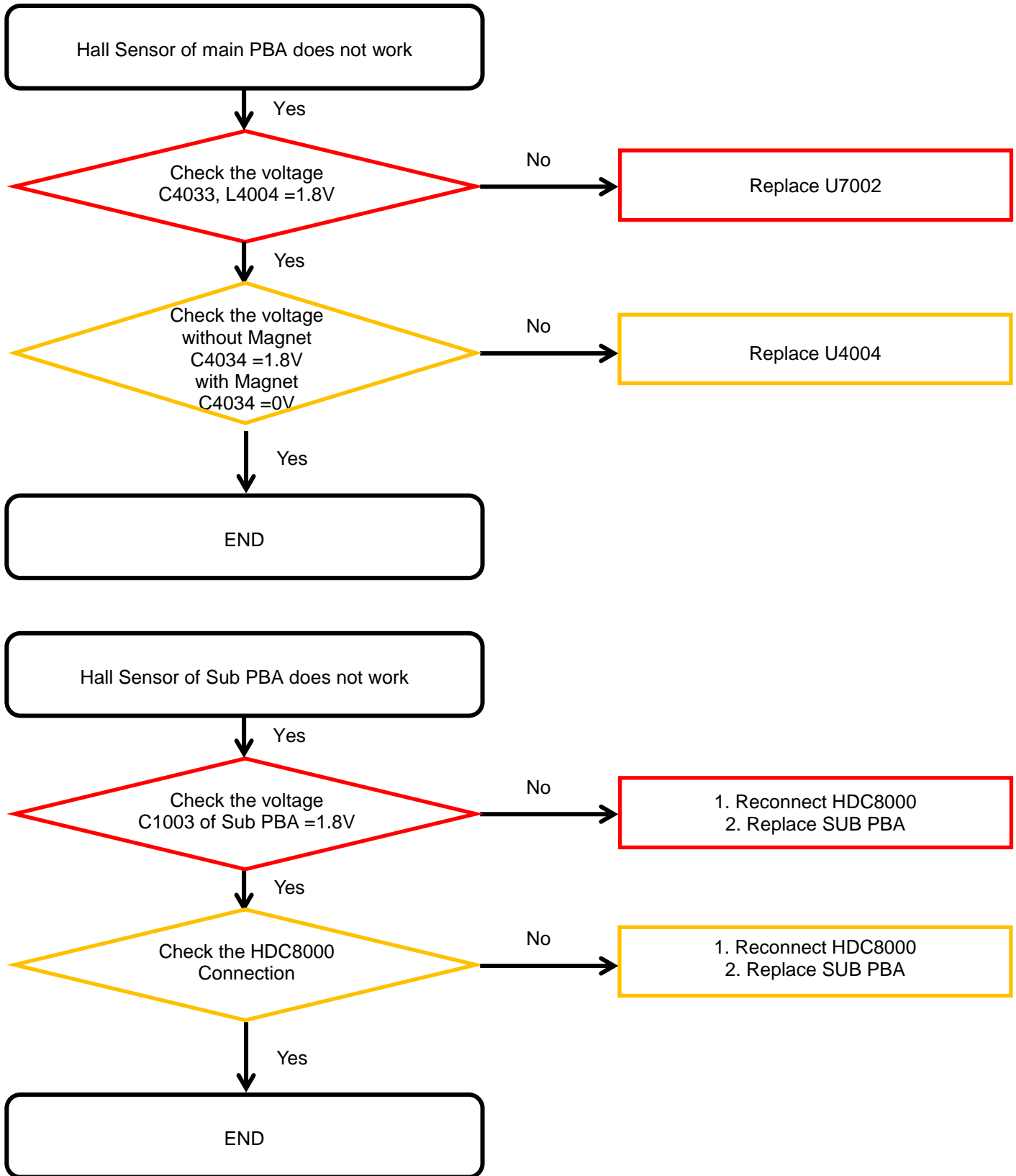
## 8. Level 3 Repair

### 8-4-6. OTG



8. Level 3 Repair

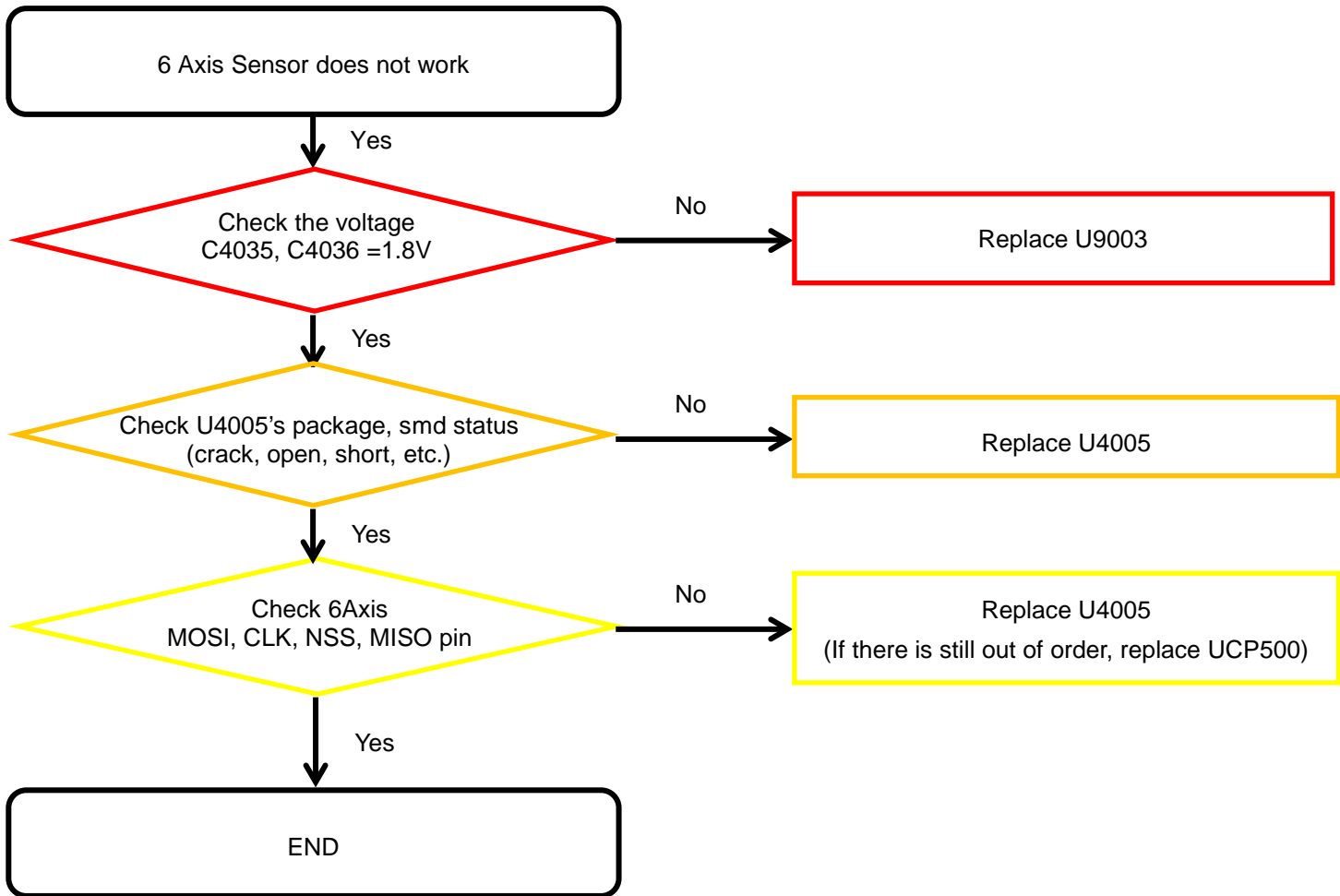
8-4-7. Hall IC





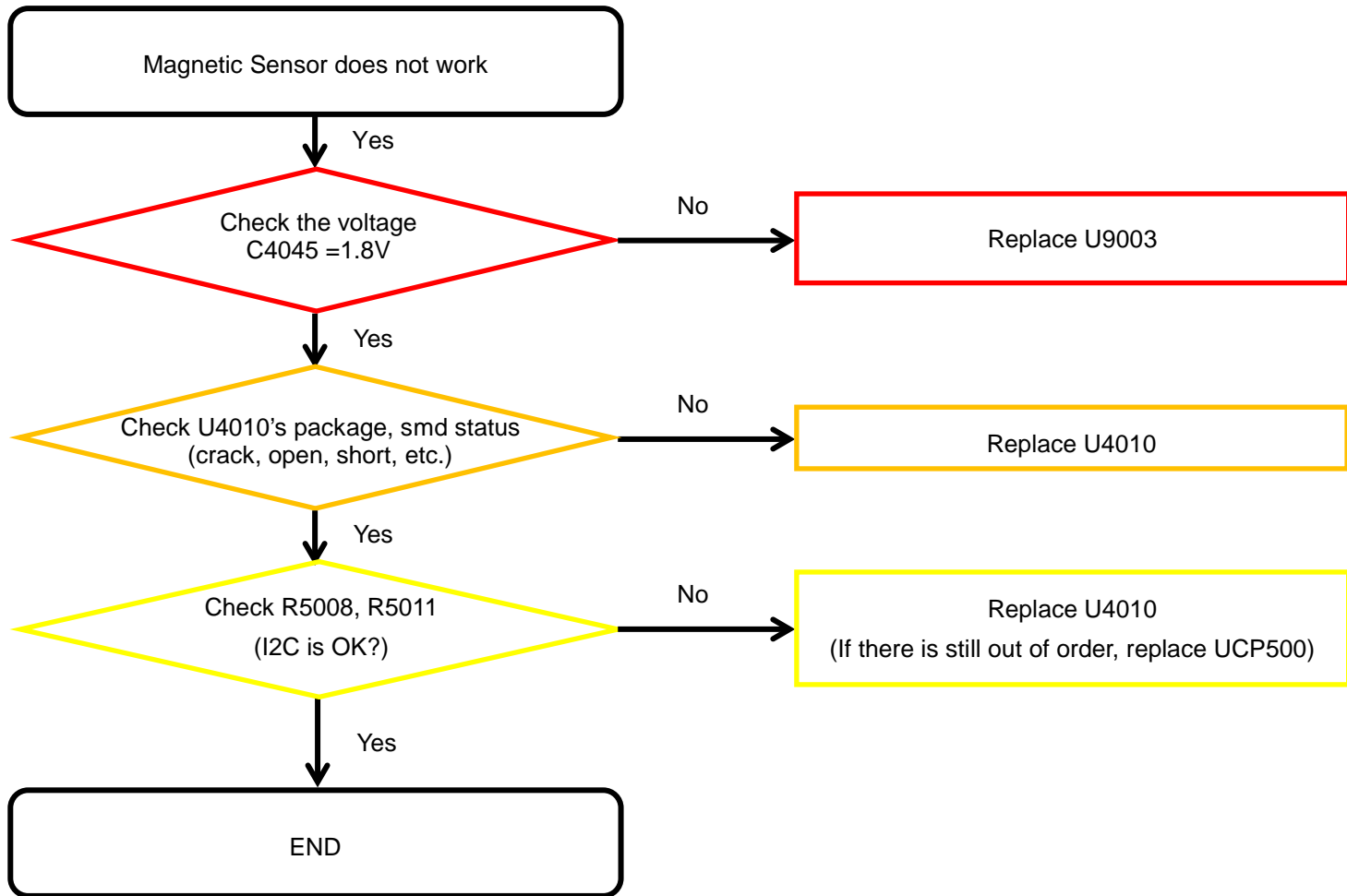
## 8. Level 3 Repair

### 8-4-8. 6 Axis sensor



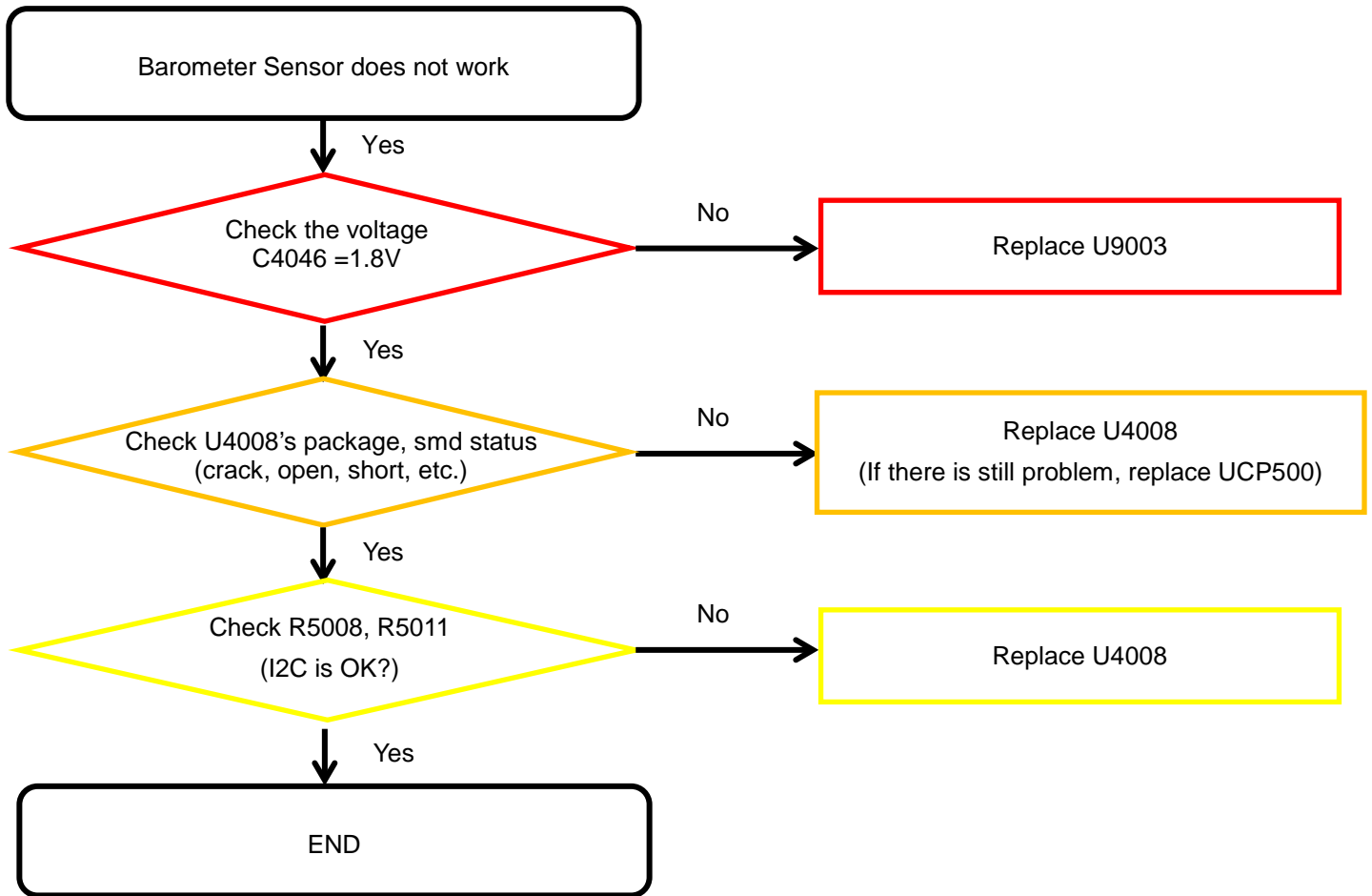
## 8. Level 3 Repair

### 8-4-9. Magnetic sensor



## 8. Level 3 Repair

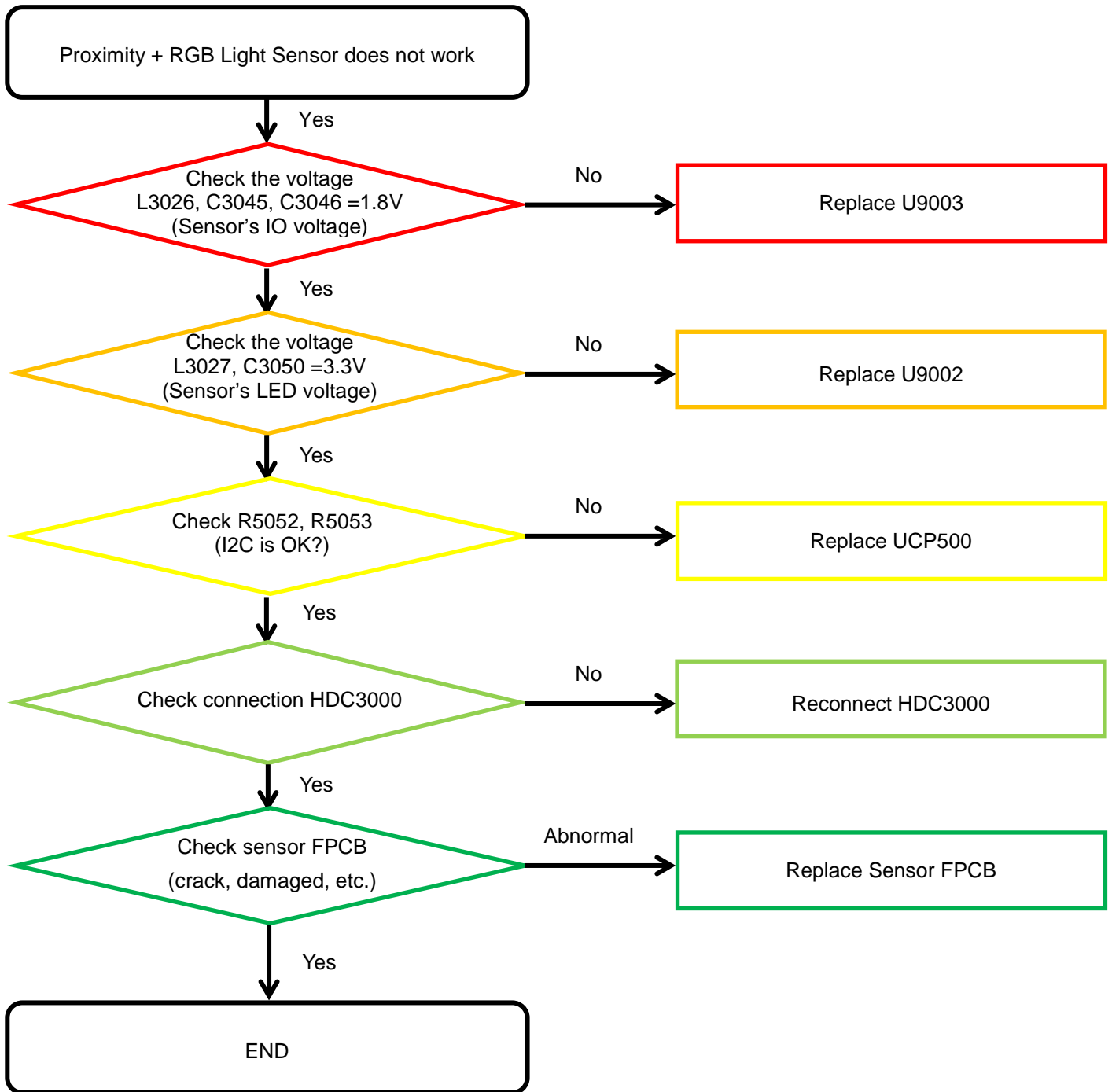
### 8-4-10. Barometer sensor





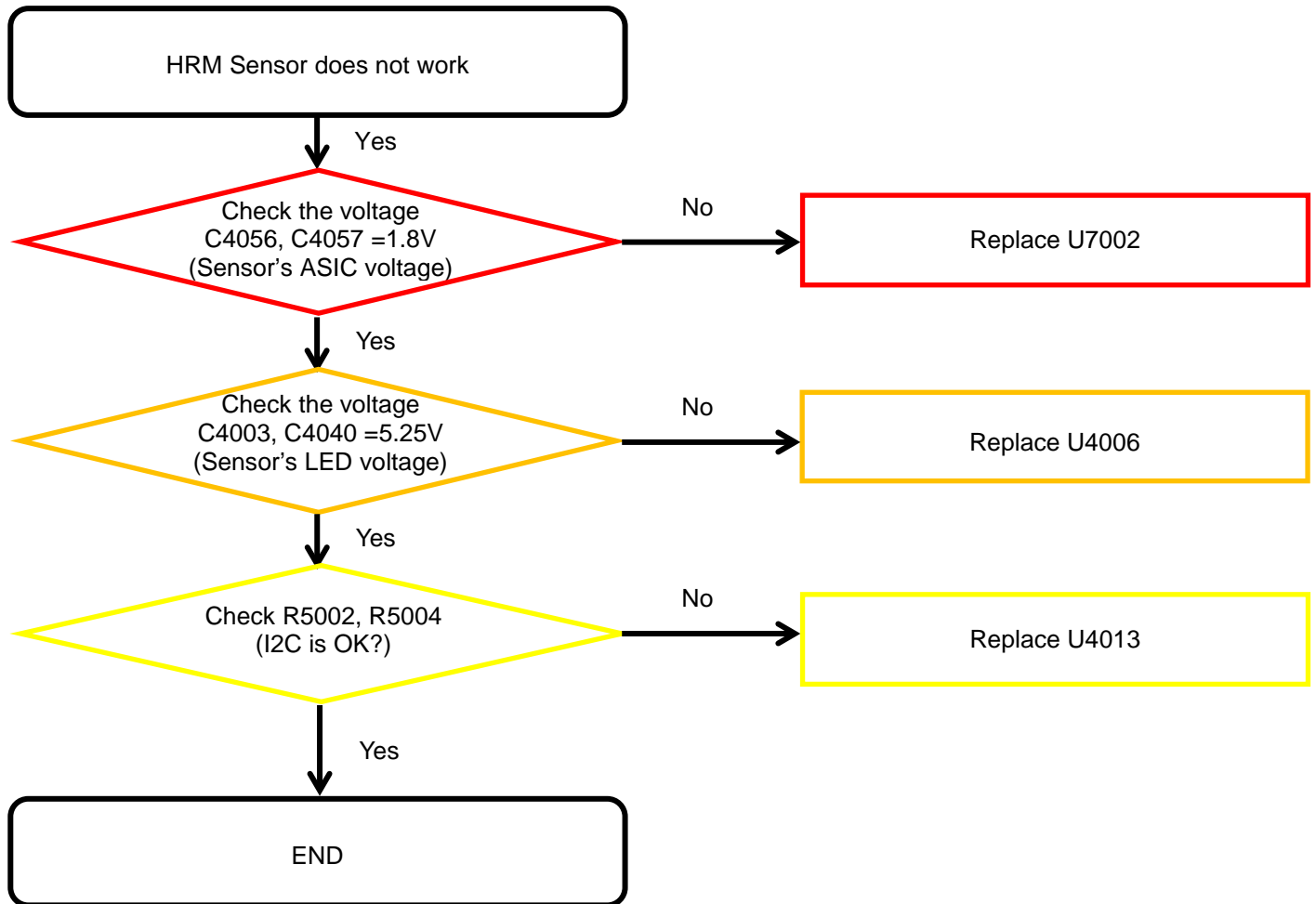
8. Level 3 Repair

8-4-11. Proximity + RGB sensor



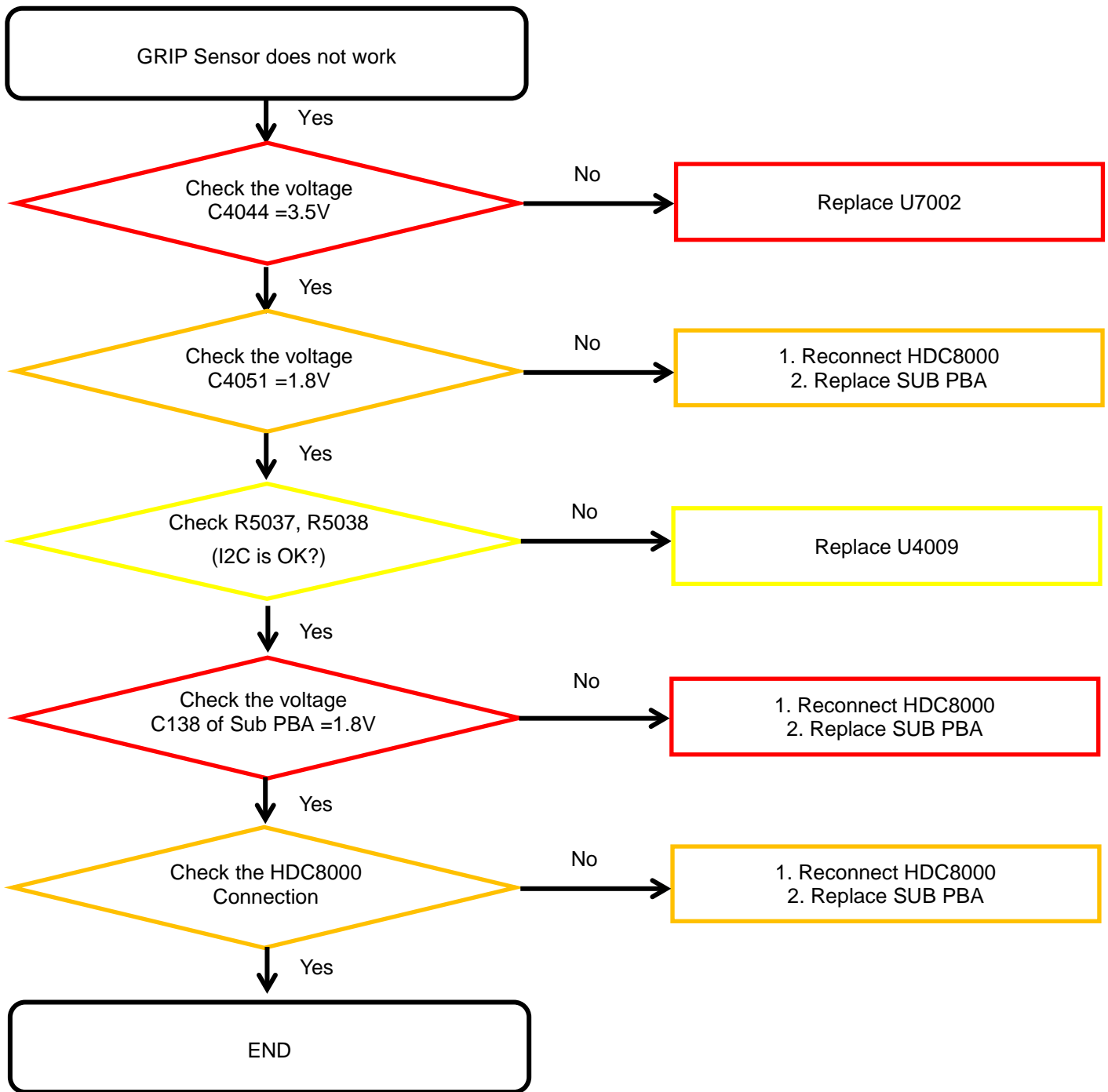
## 8. Level 3 Repair

### 8-4-12. HRM sensor



8. Level 3 Repair

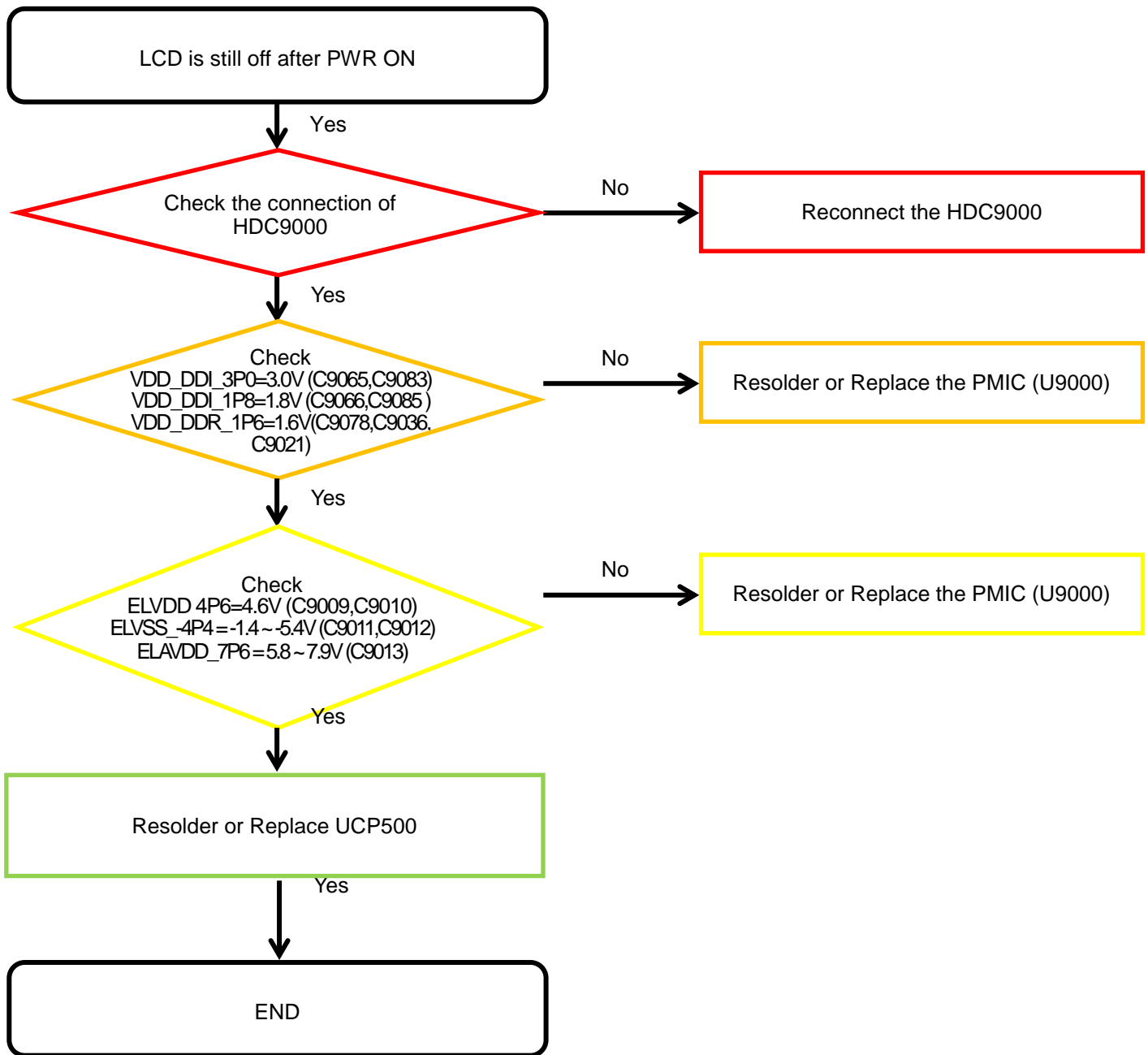
8-4-13. GRIP sensor LDO





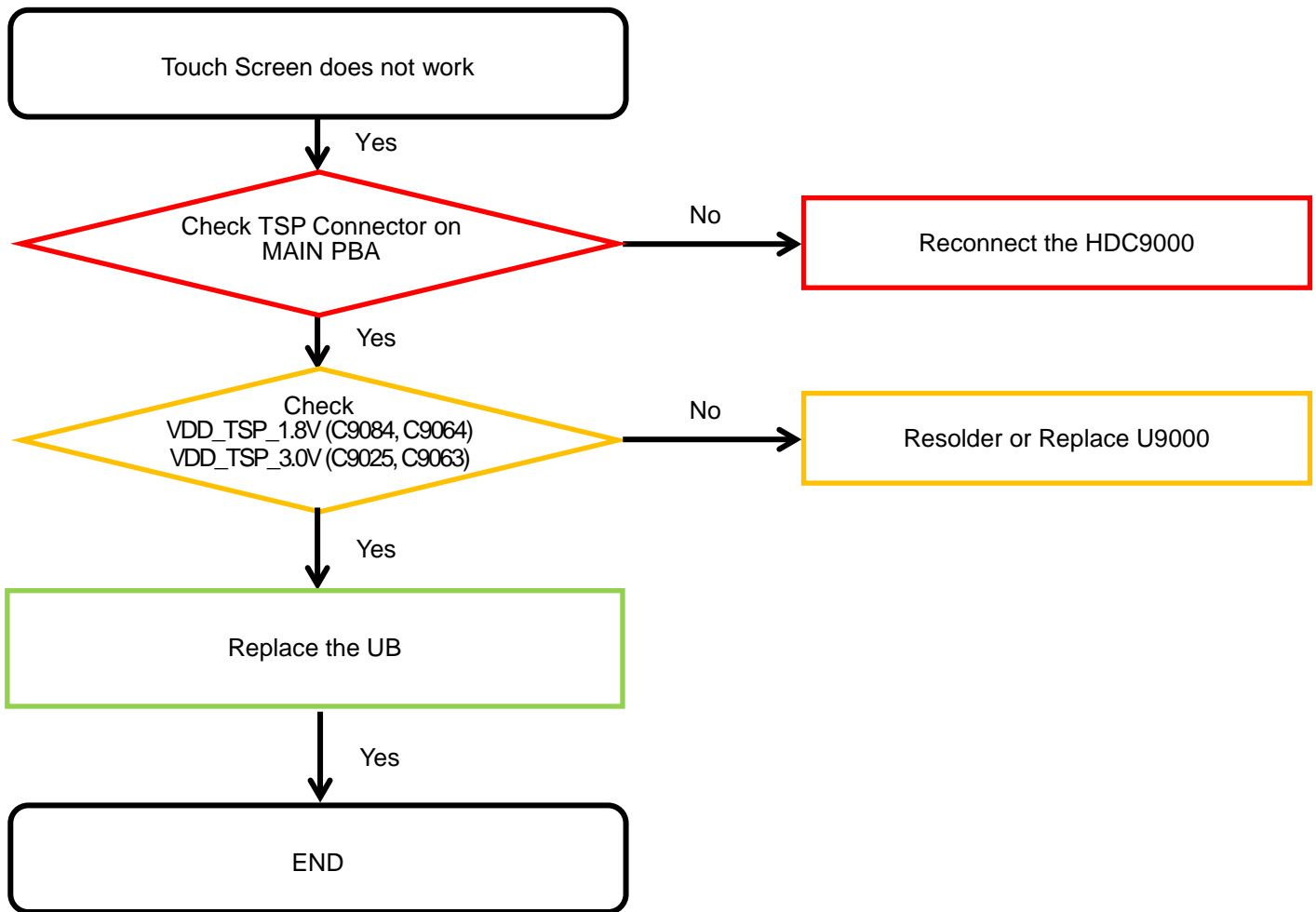
8. Level 3 Repair

8-4-14. Display



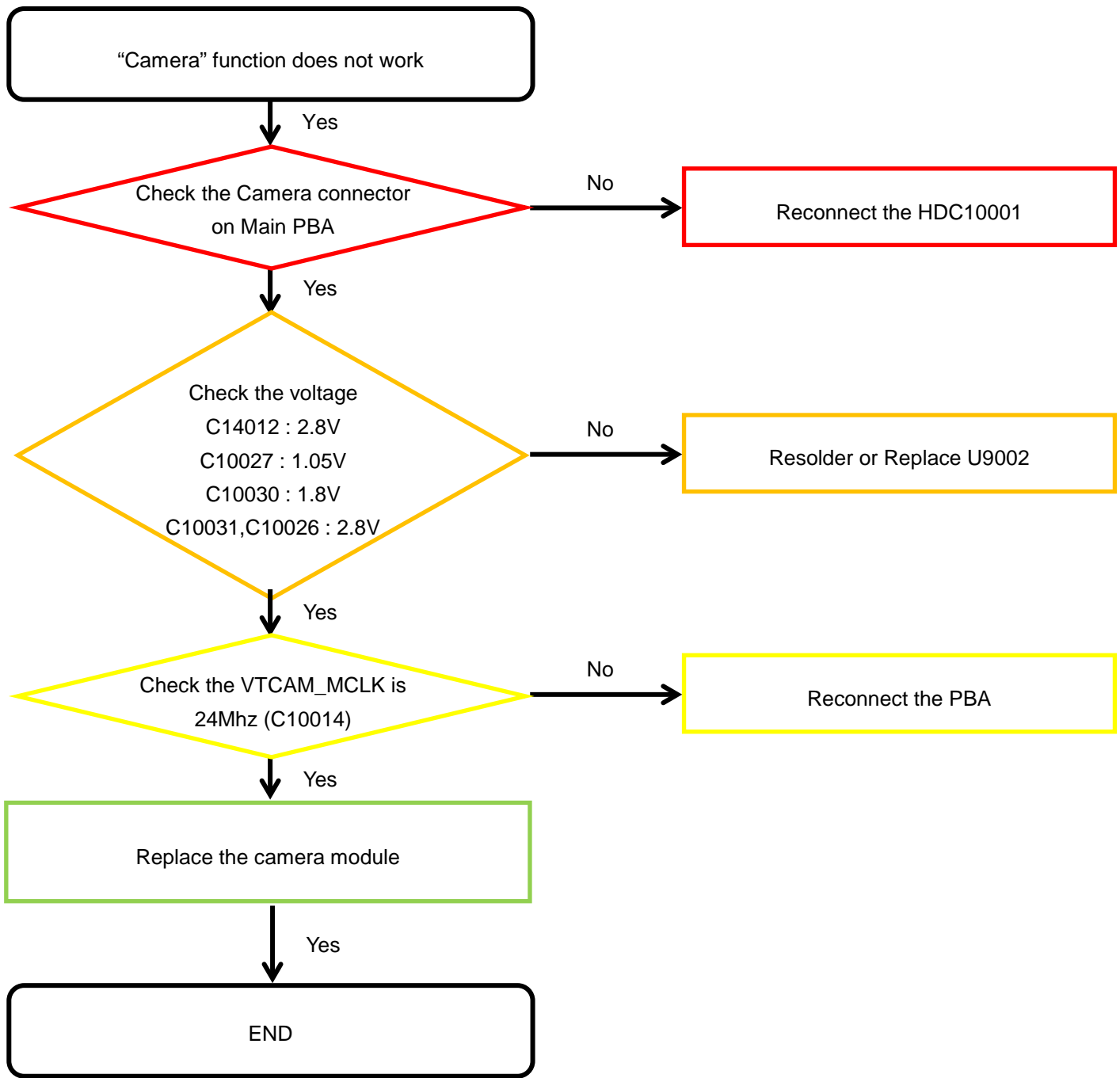
8. Level 3 Repair

8-4-15. TSP



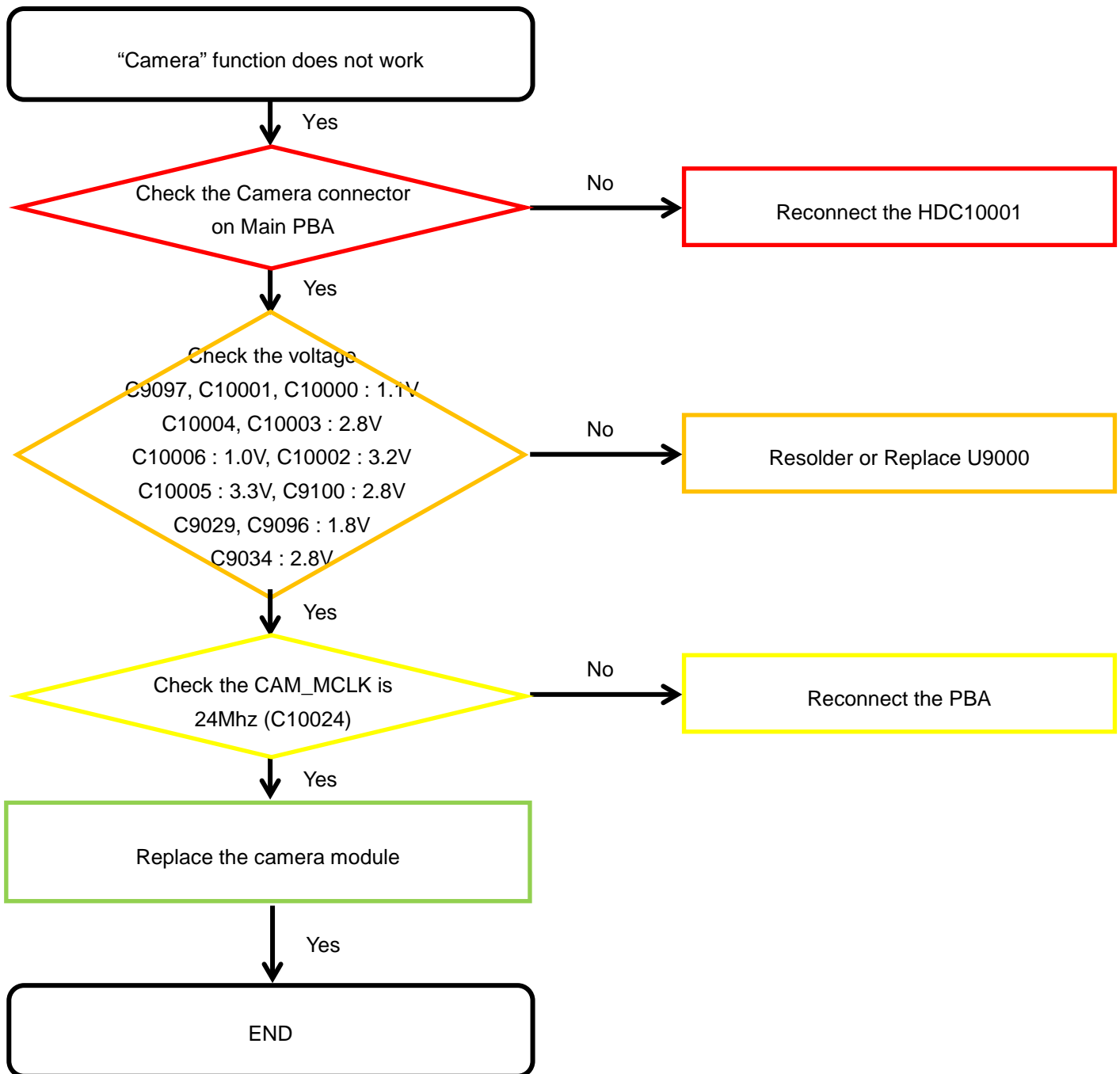
8. Level 3 Repair

8-4-16. VT CAMERA



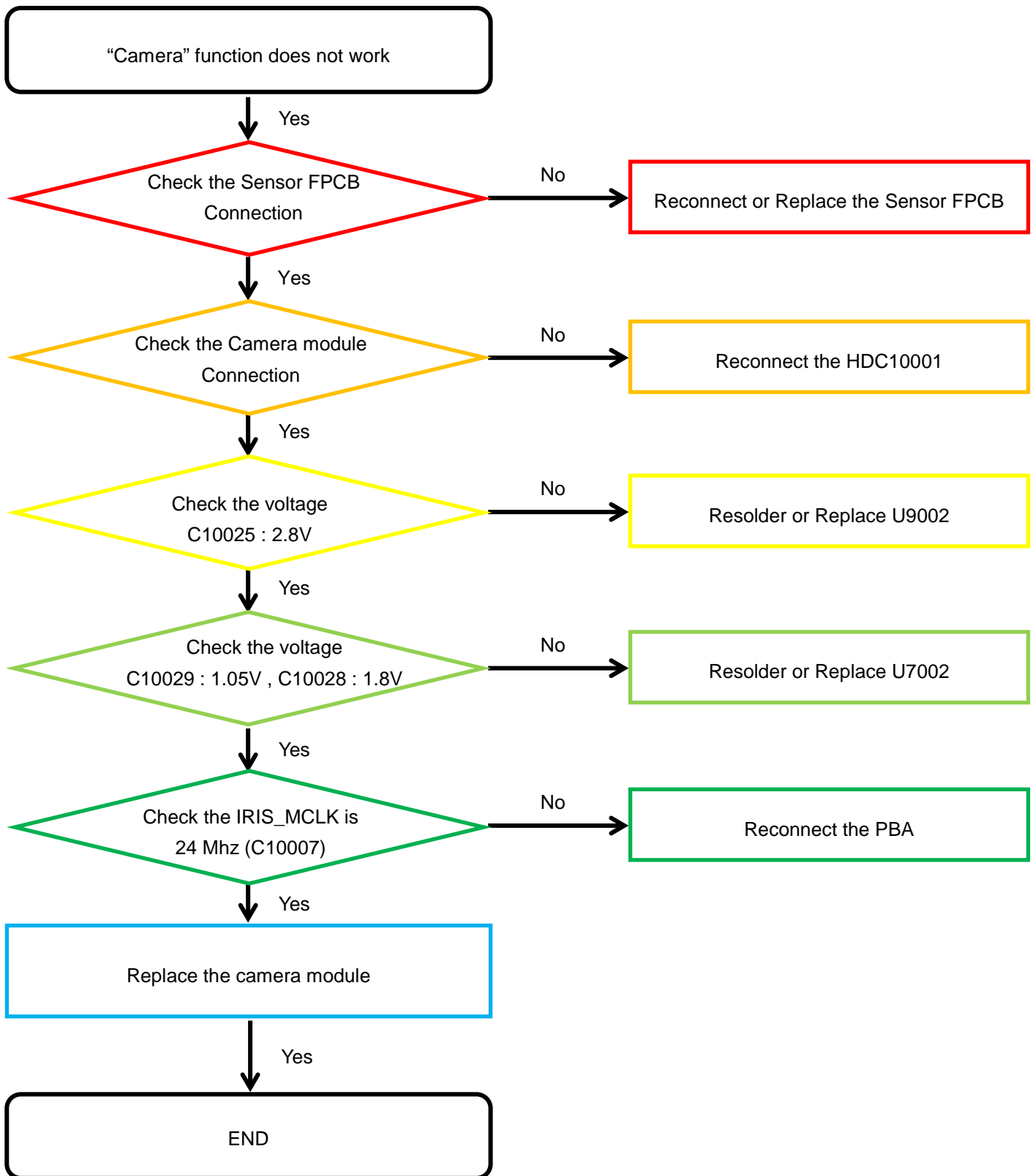
8. Level 3 Repair

8-4-17. 12M CAMERA



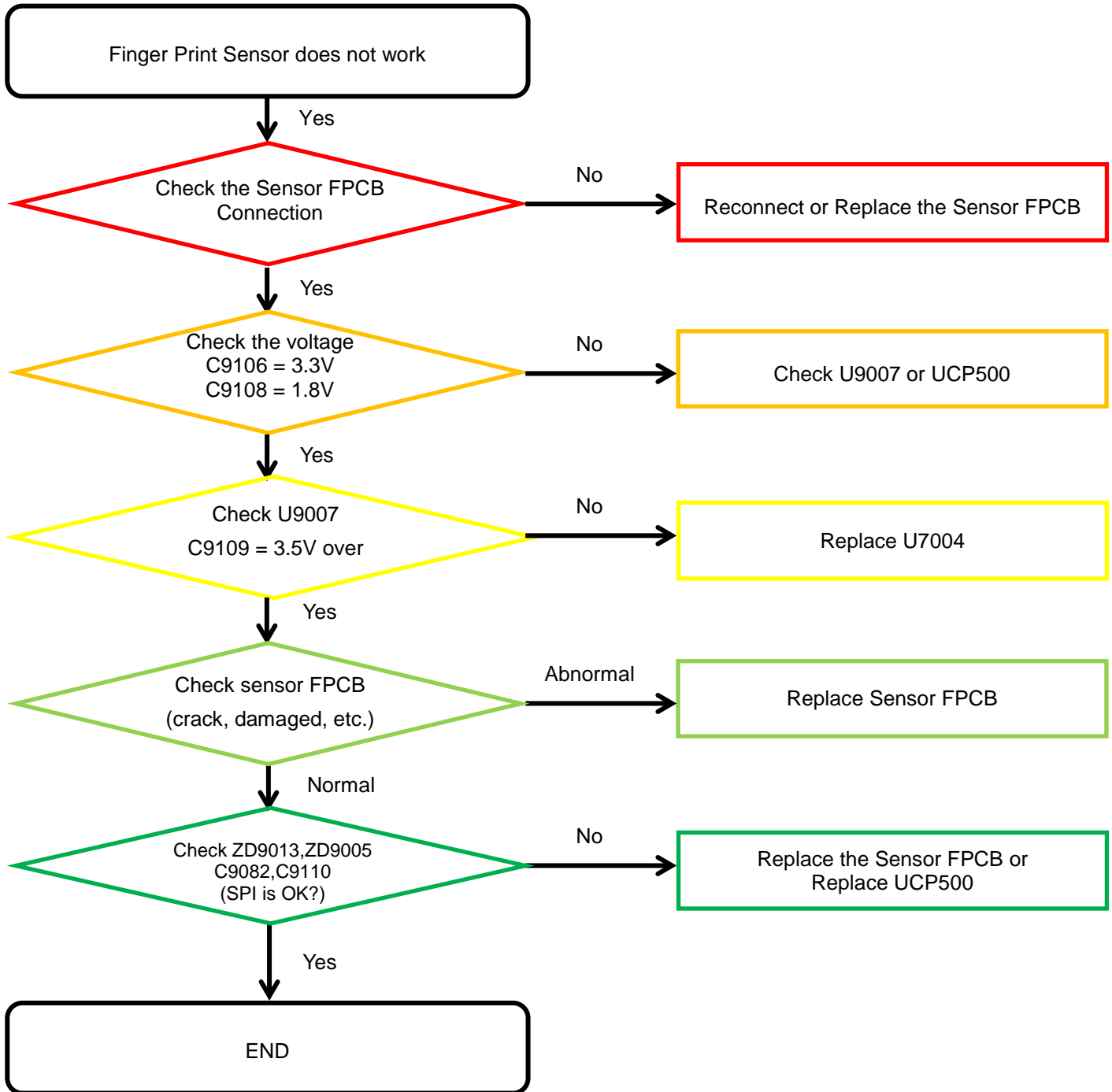
8. Level 3 Repair

8-4-18. IRIS CAMERA



8. Level 3 Repair

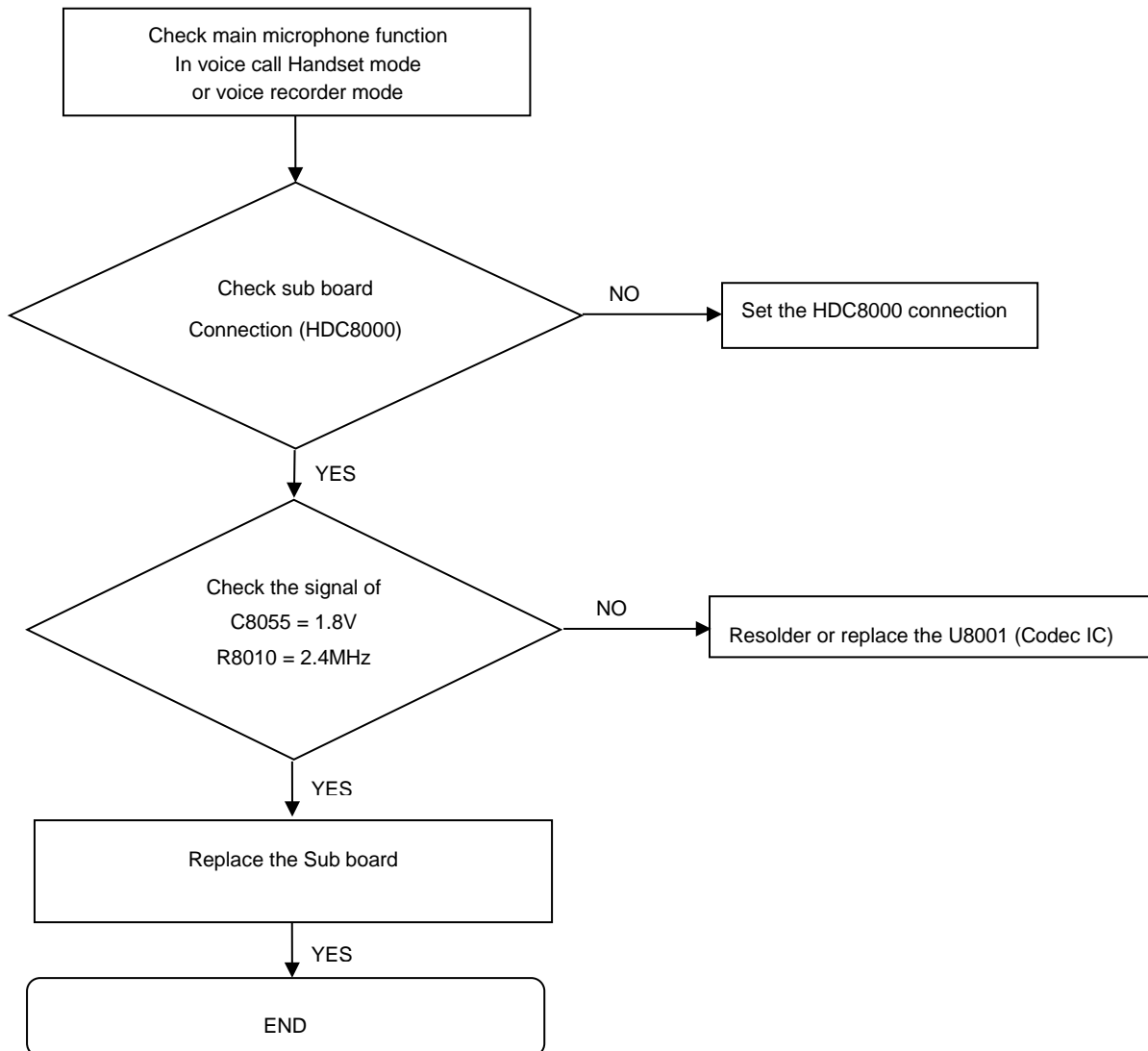
8-4-19. Finger Print





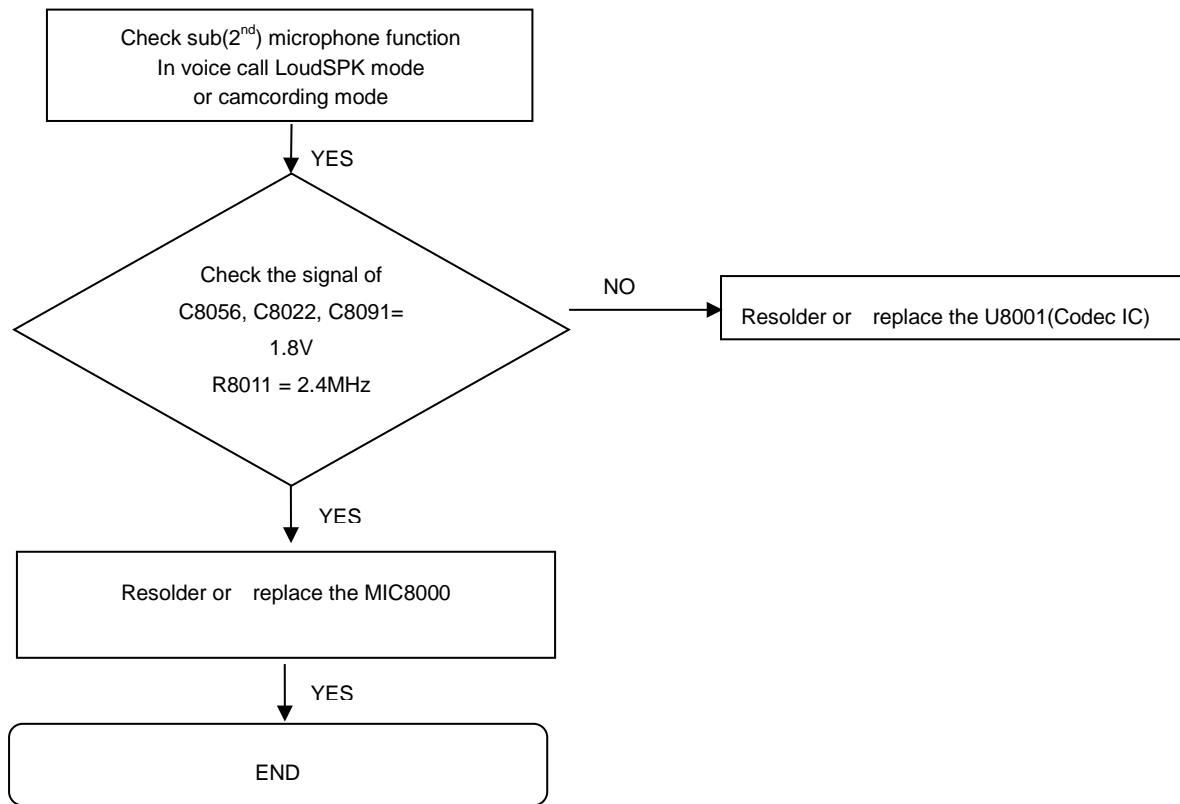
## 8. Level 3 Repair

### 8-4-20-1. Main MIC



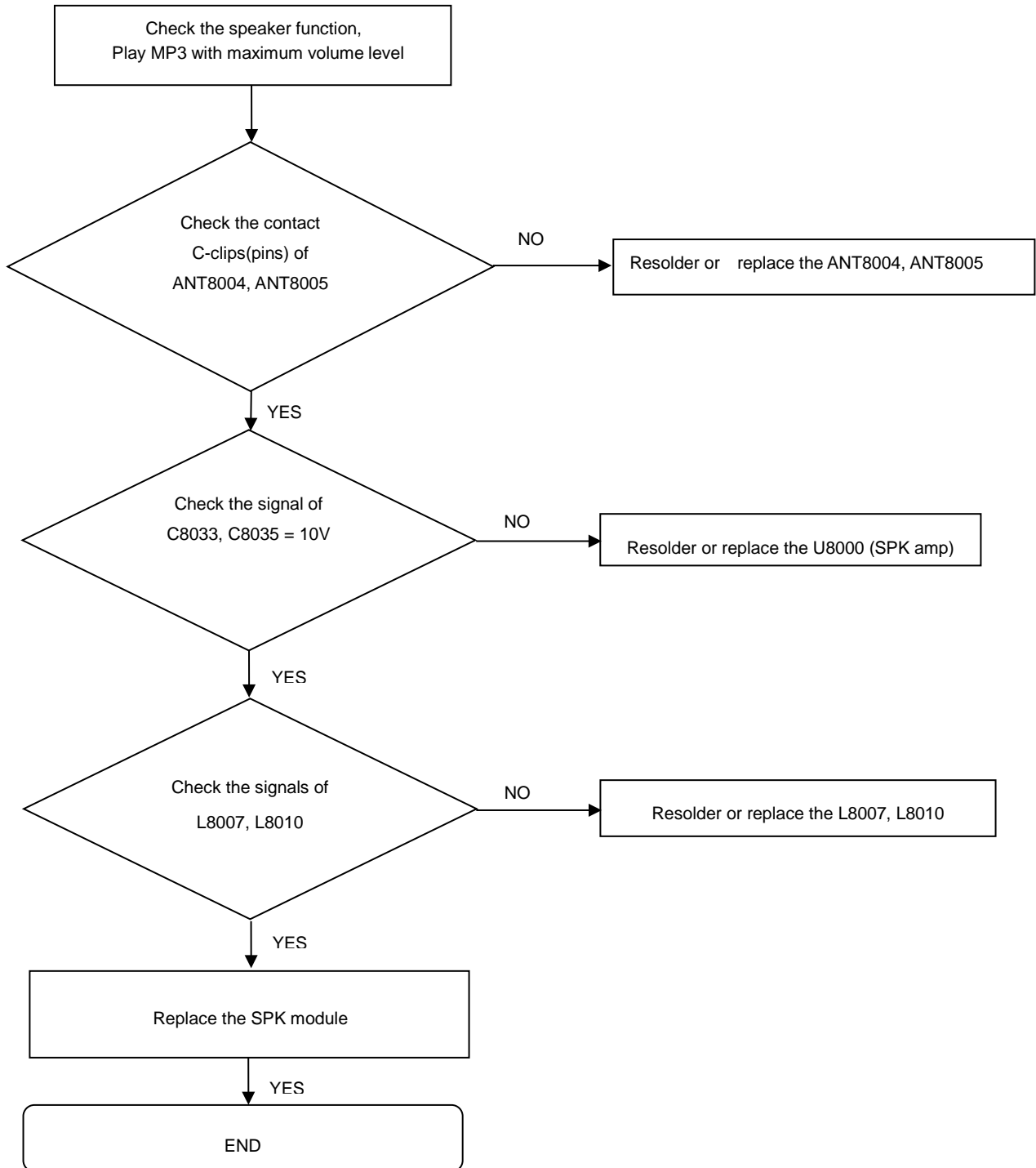
## 8. Level 3 Repair

### 8-4-20-2. Sub(2<sup>nd</sup>) MIC



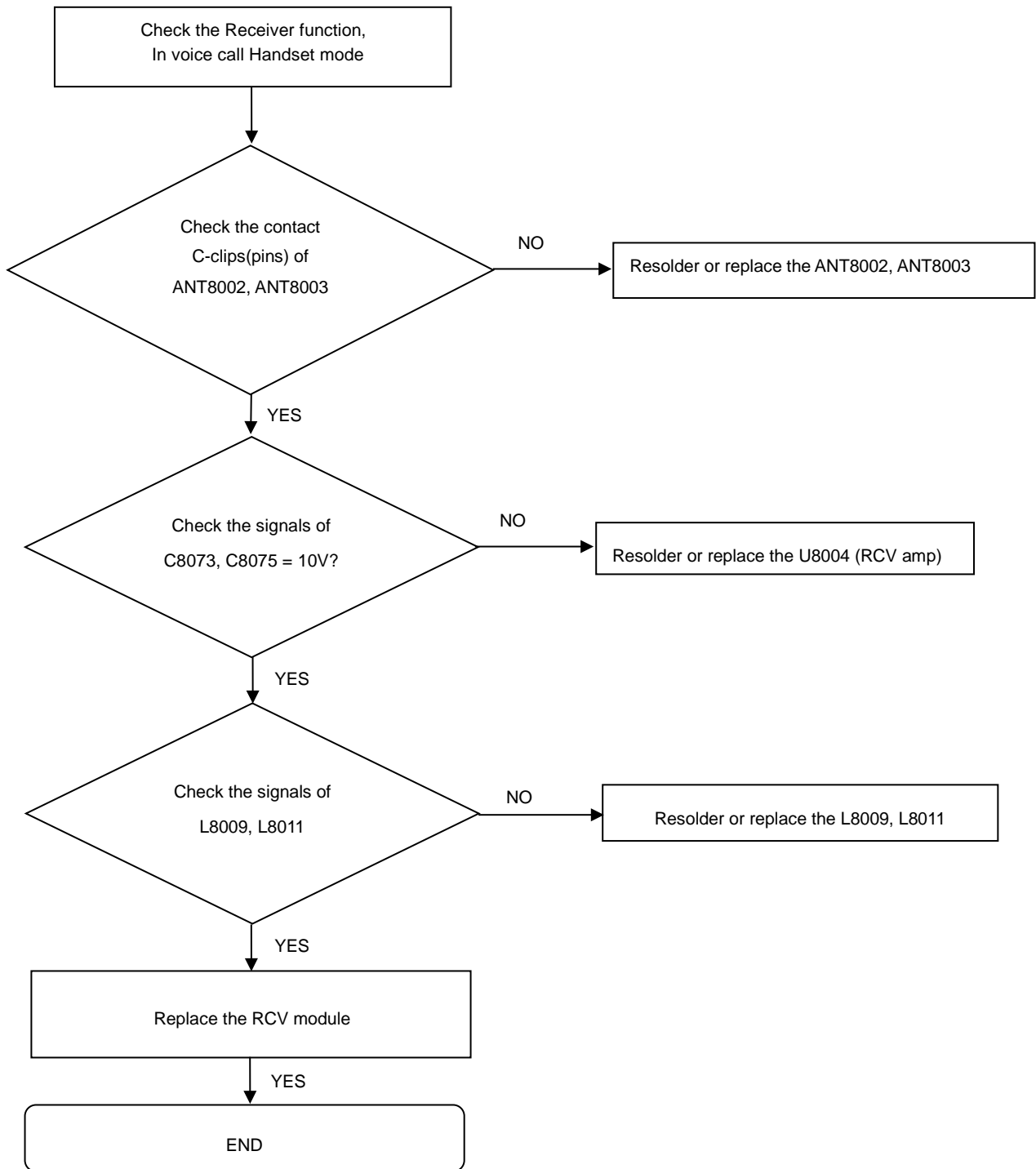
## 8. Level 3 Repair

### 8-4-21. Speaker part



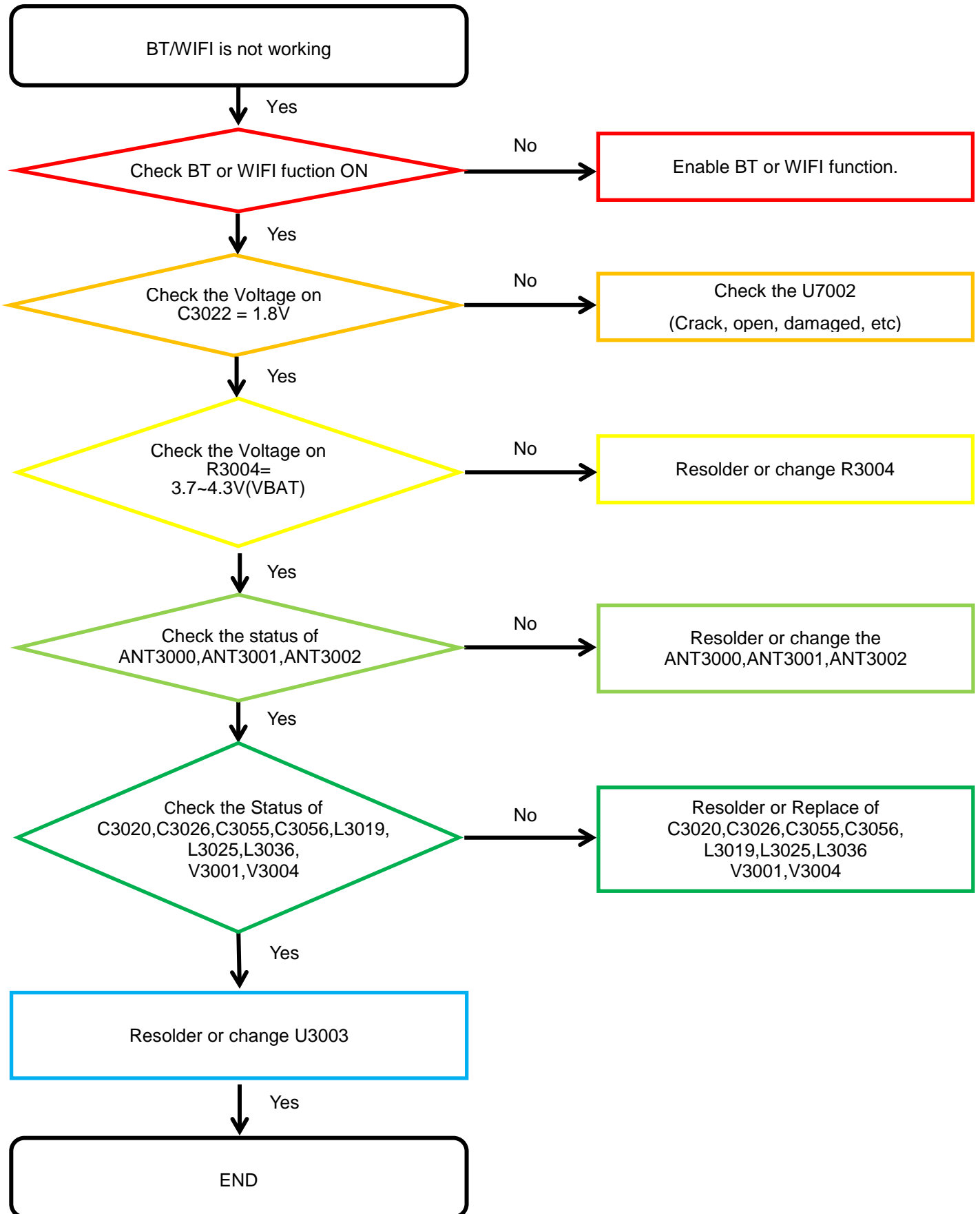
8. Level 3 Repair

8-4-22. Receiver part



8. Level 3 Repair

8-4-23. BT/WIFI

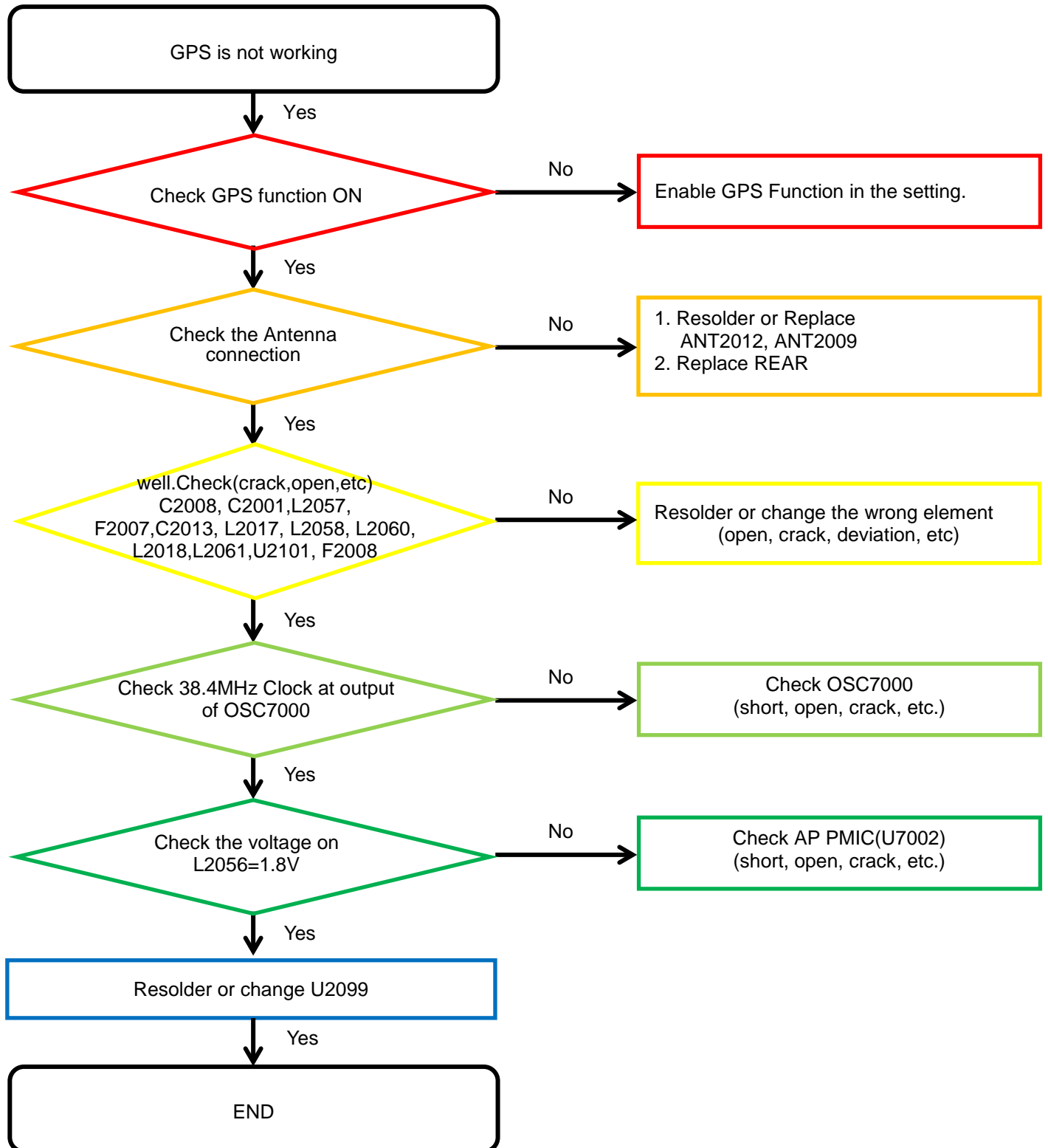


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8. Level 3 Repair

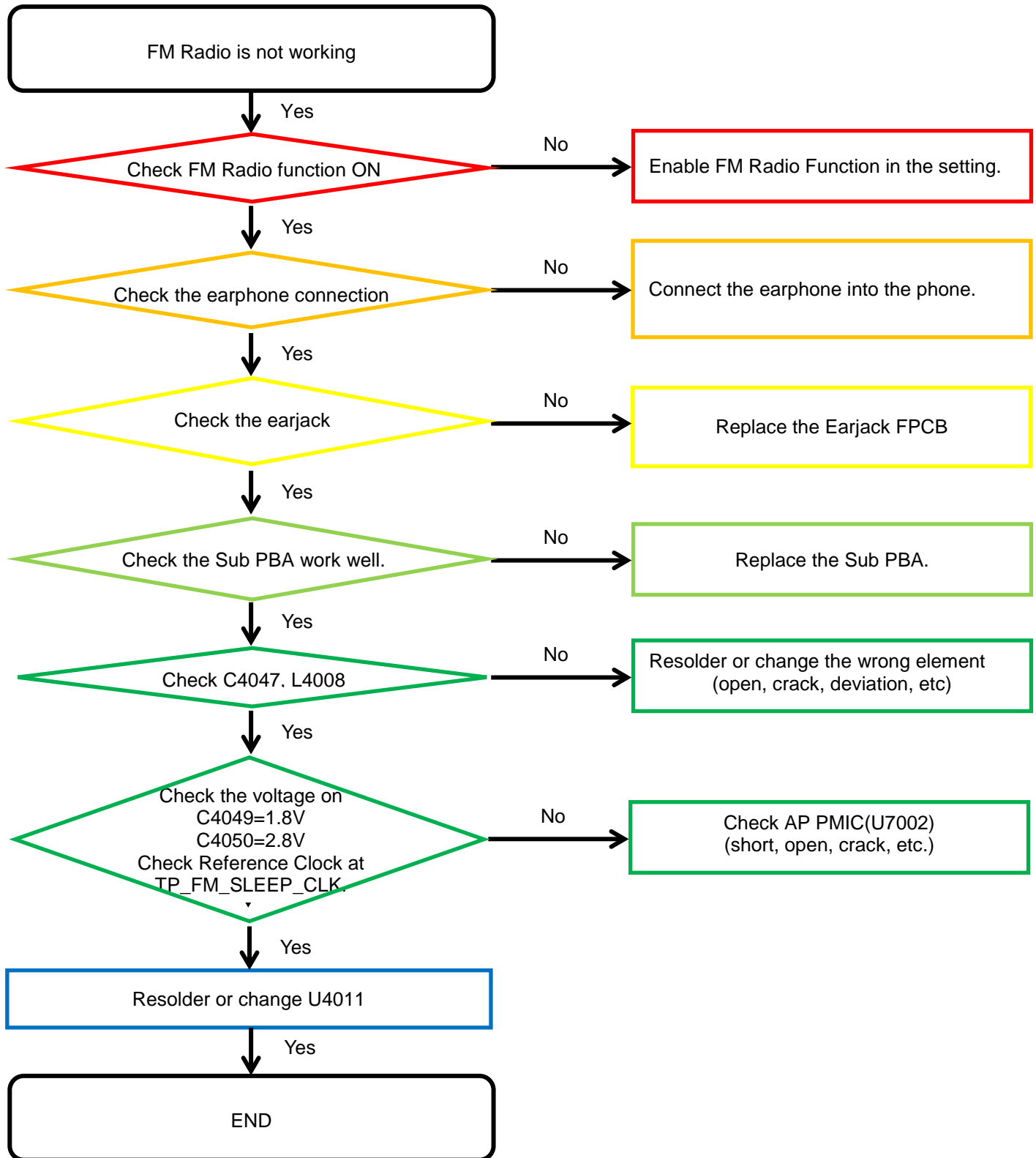
8-4-24. GPS





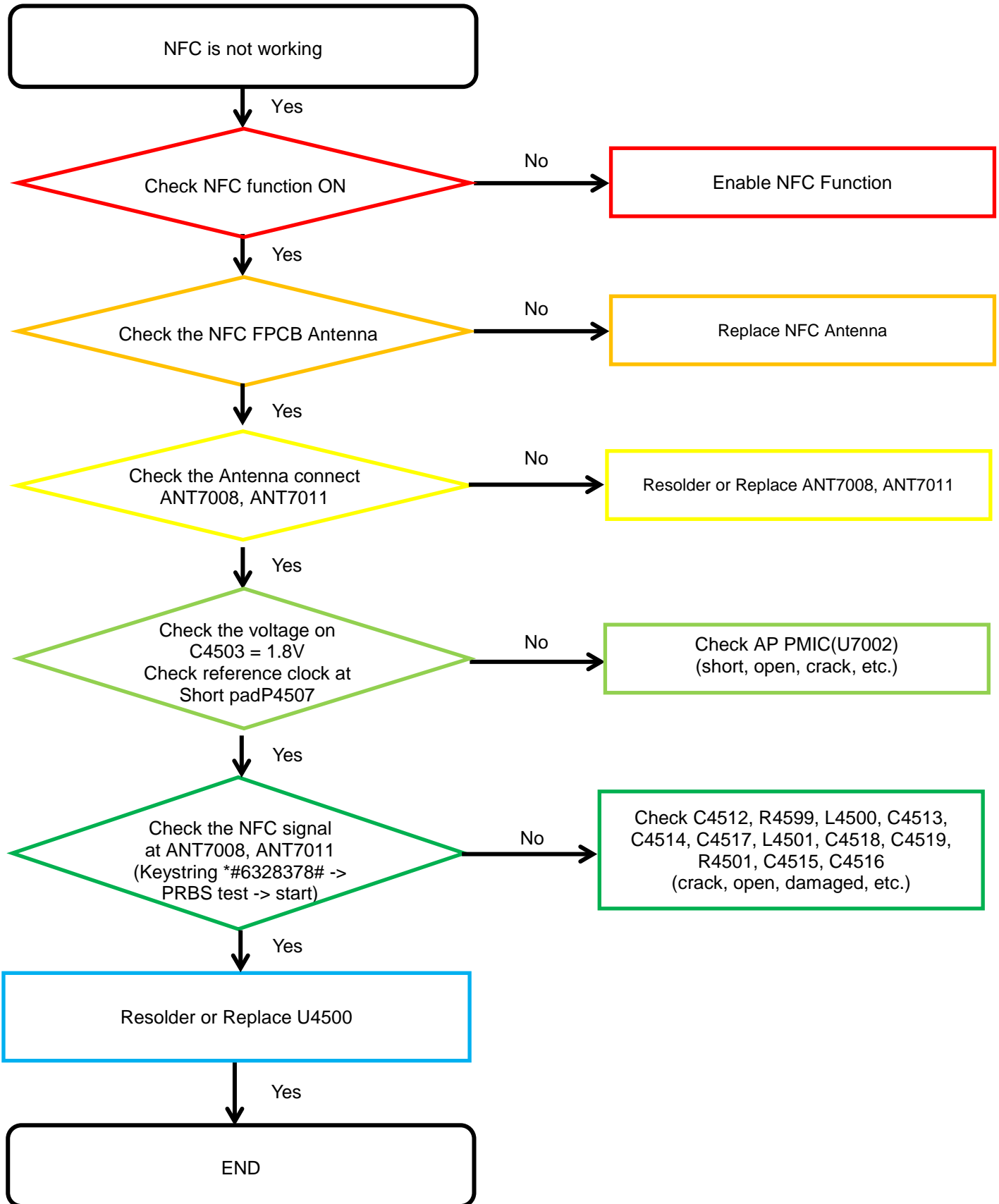
8. Level 3 Repair

8-4-25. FM Radio



8. Level 3 Repair

8-4-26. NFC

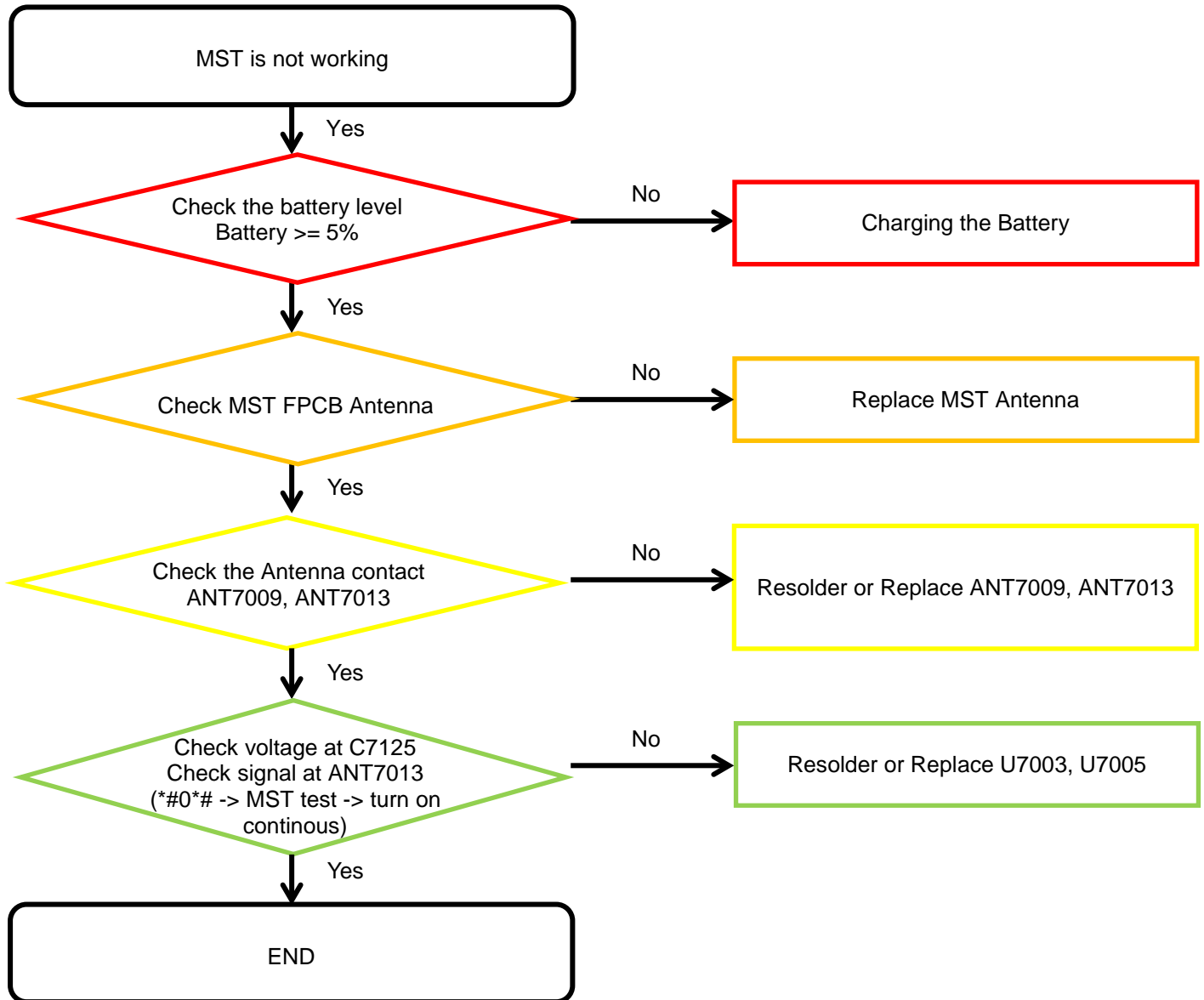


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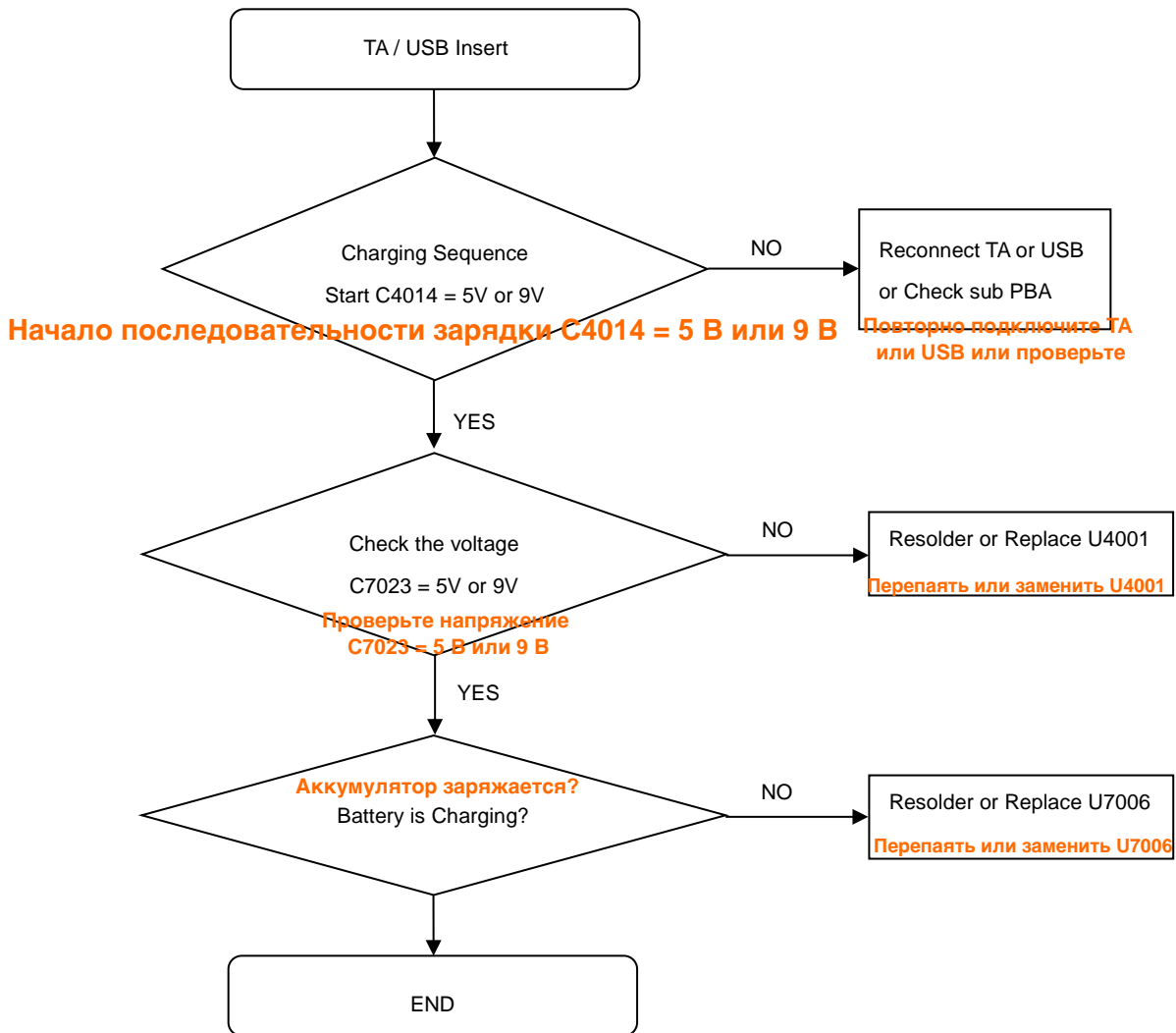
8. Level 3 Repair

8-4-27. MST



8. Level 3 Repair

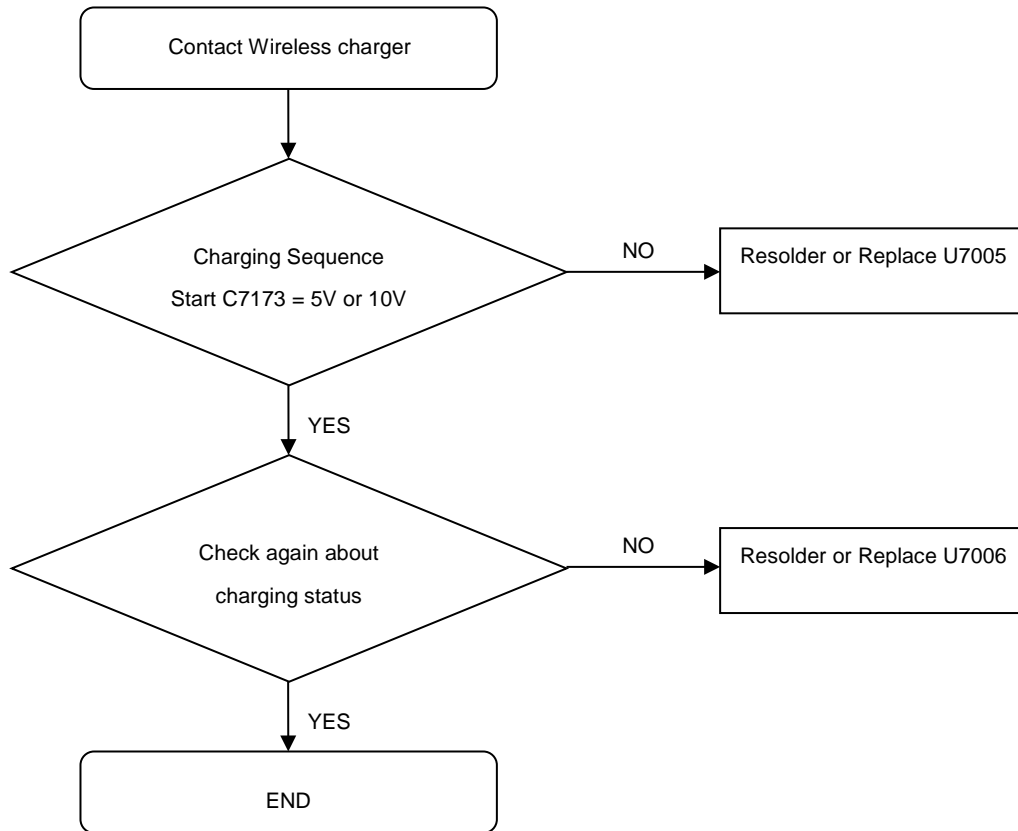
8-4-28-1. Charging Part  
Wire Charging (Normal/Fast)



## 8. Level 3 Repair

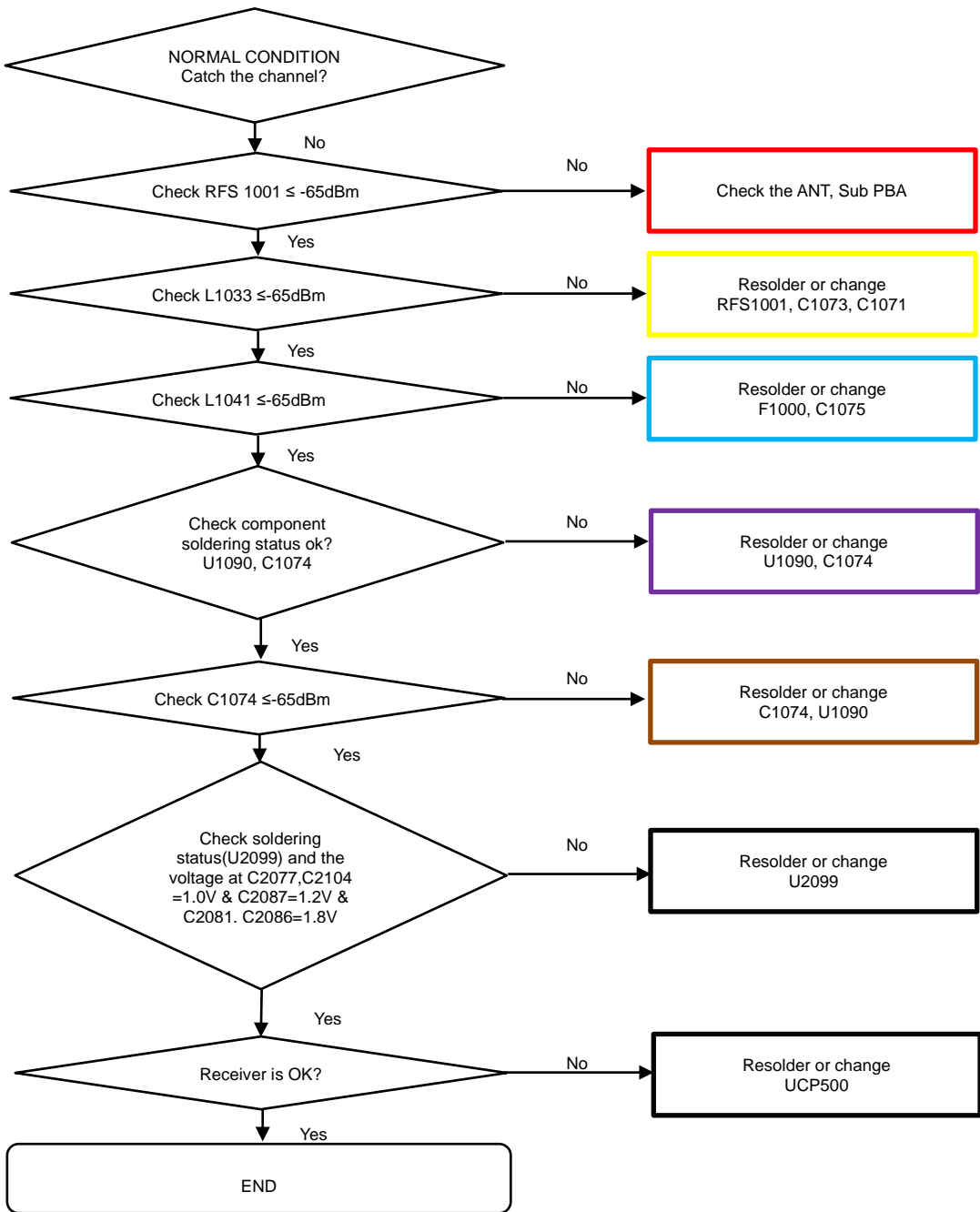
### 8-4-28-2. Charging Part

#### Wirless Charging (Normal/Fast)



8. Level 3 Repair

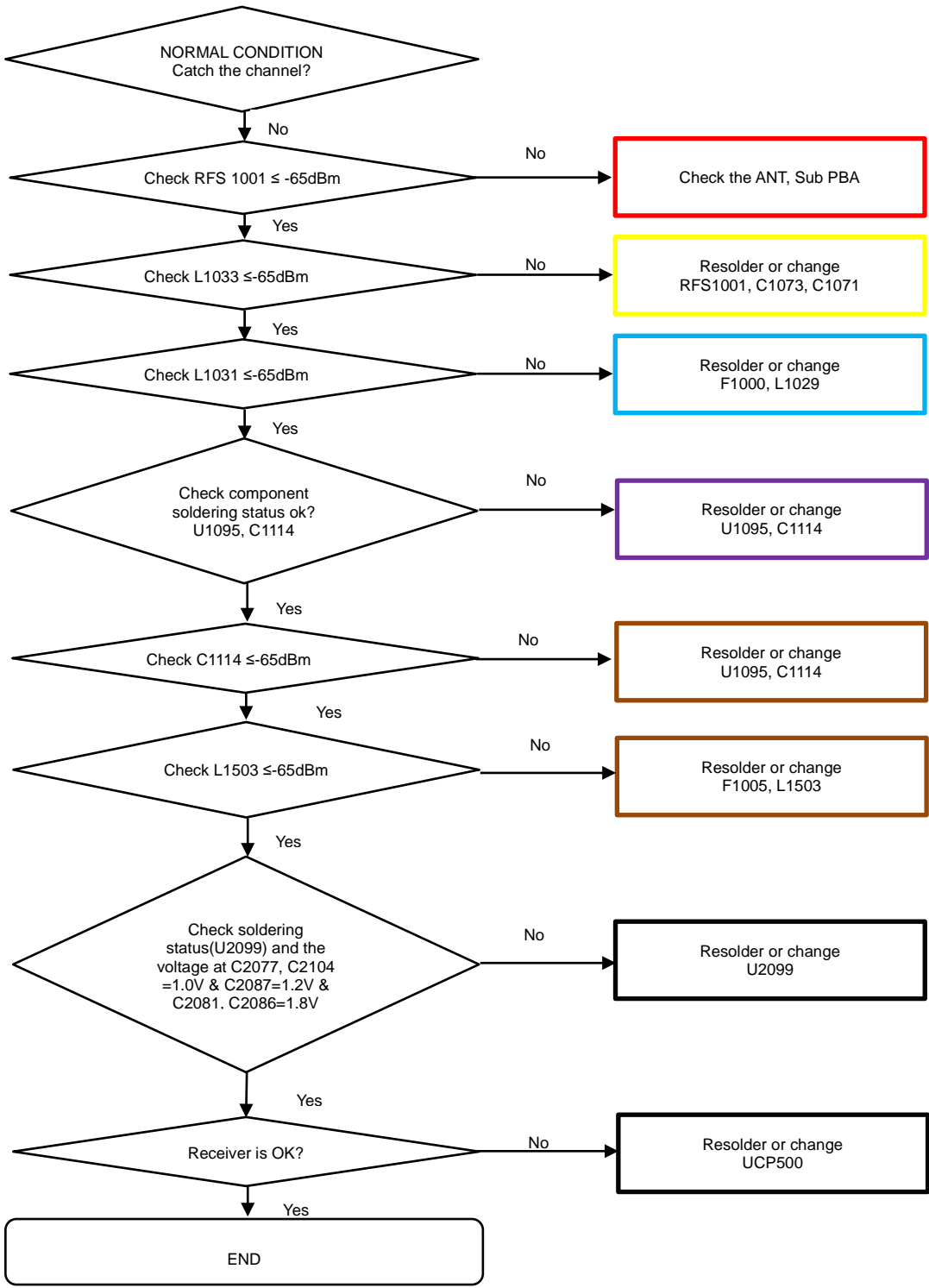
8-4-29. GSM 850/900, CDMA BC0, WCDMA B5/8, LTE B5/8/12/13/17/18/19/20/26/28 RX





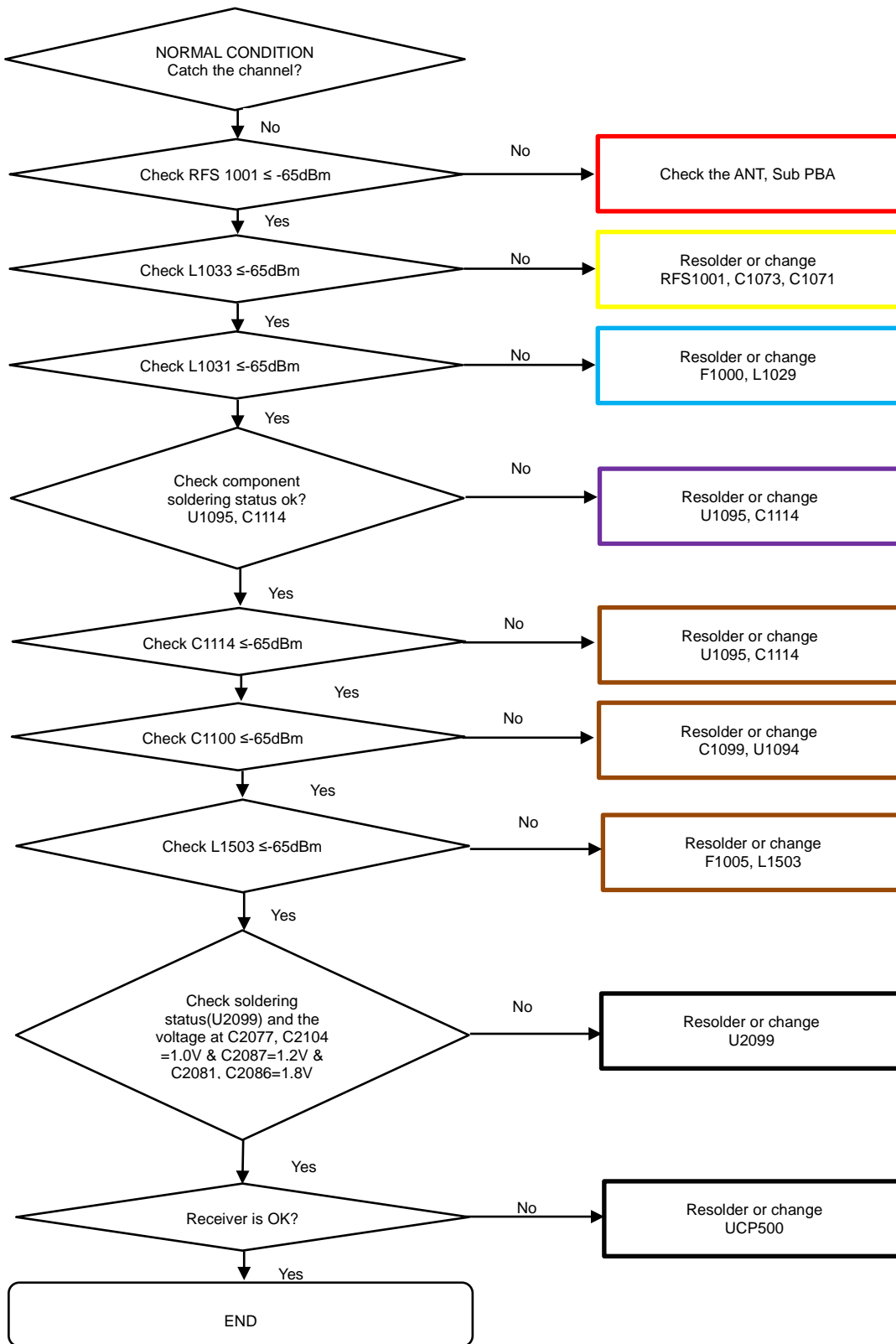
8. Level 3 Repair

8-4-30. GSM 1800/1900, WCDMA B1/2/4, TDSCDMA B39, LTE B1/2/3/4/25/39/66 RX



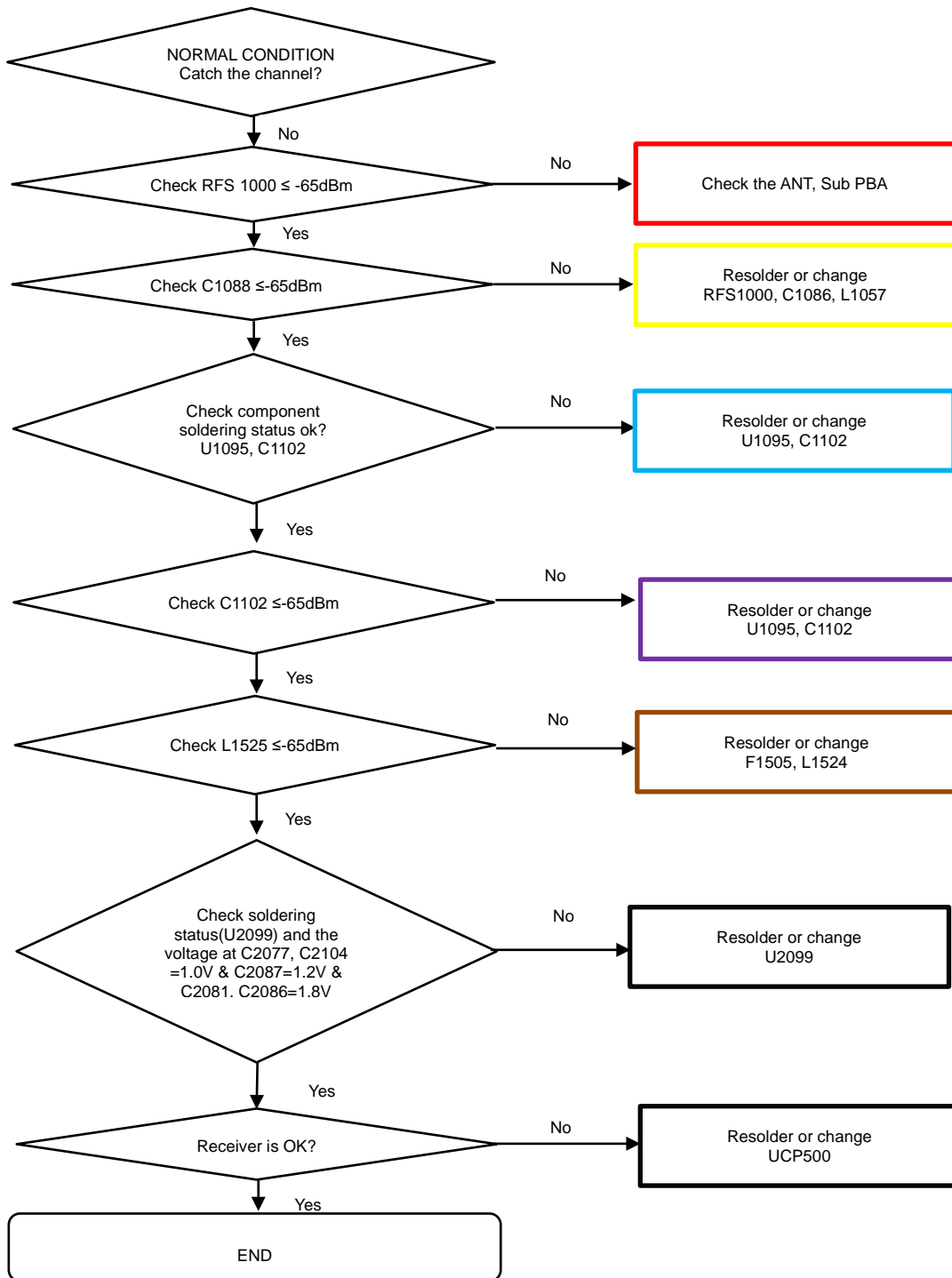
8. Level 3 Repair

8-4-31. TDSCDMA B34, LTE B34 RX



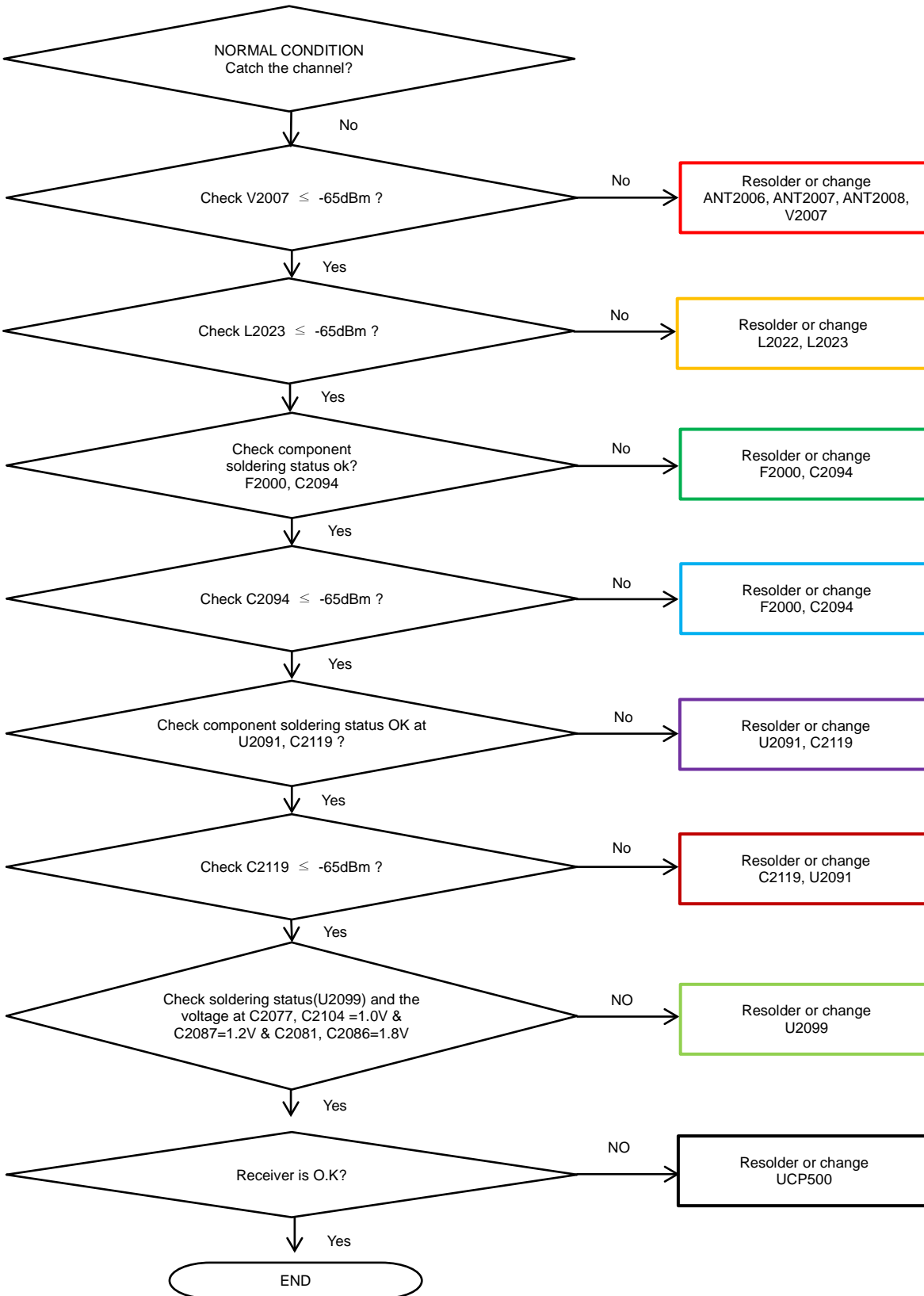
8. Level 3 Repair

8-4-32. LTE B7/38/40/41 RX



8. Level 3 Repair

8-4-33. CDMA BC0, GSM 850/900, WCDMA B5/8, LTE B5/8/12/13/17/18/19/20/26/28 DRX

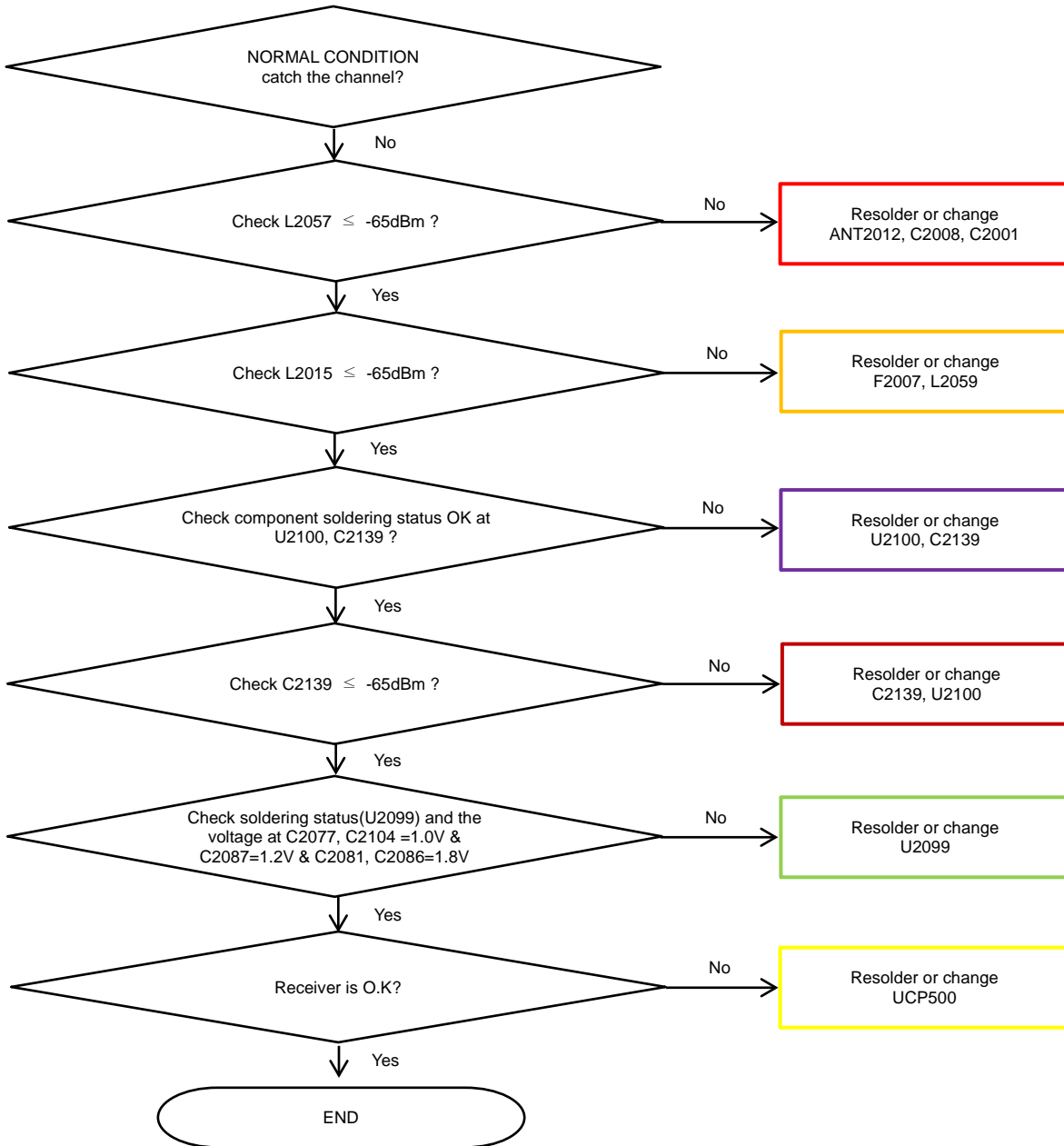


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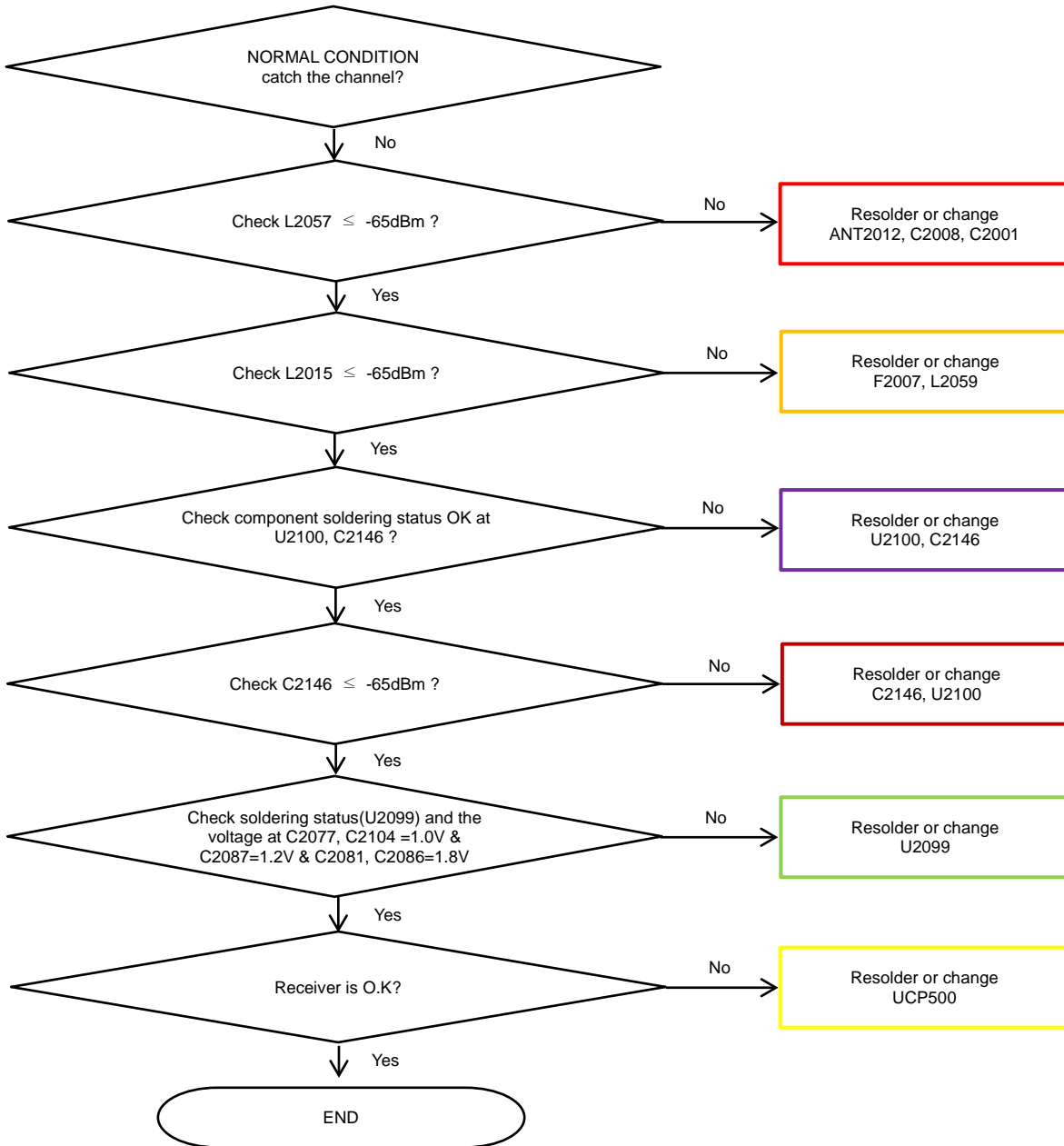
8. Level 3 Repair

8-4-34. GSM1800/1900, WCDMA B1/2/4, LTE B1/2/3/4/25/66 DRX



8. Level 3 Repair

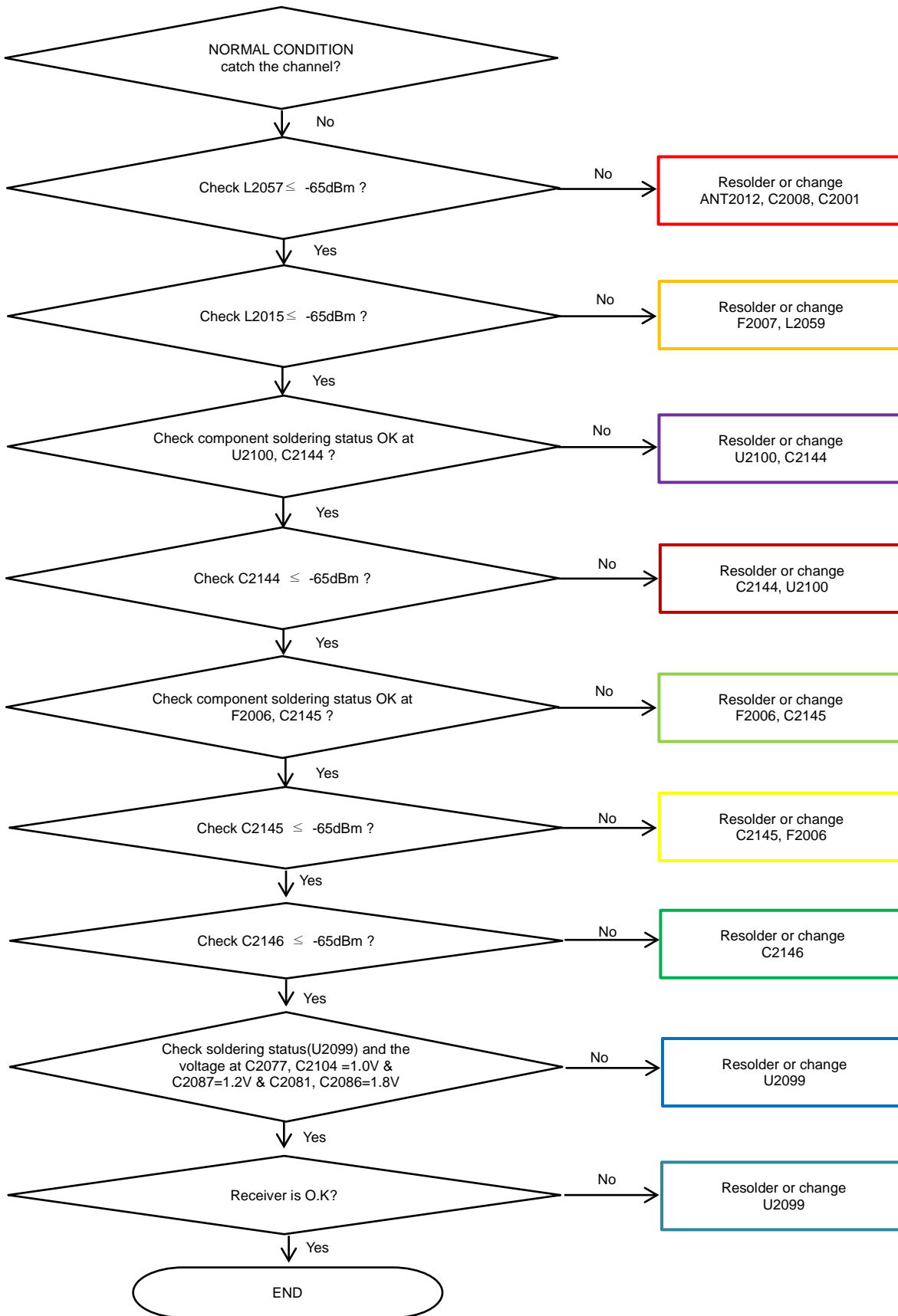
8-4-35. LTE B7/40 DRX





8. Level 3 Repair

8-4-36. LTE 38/41 DRX

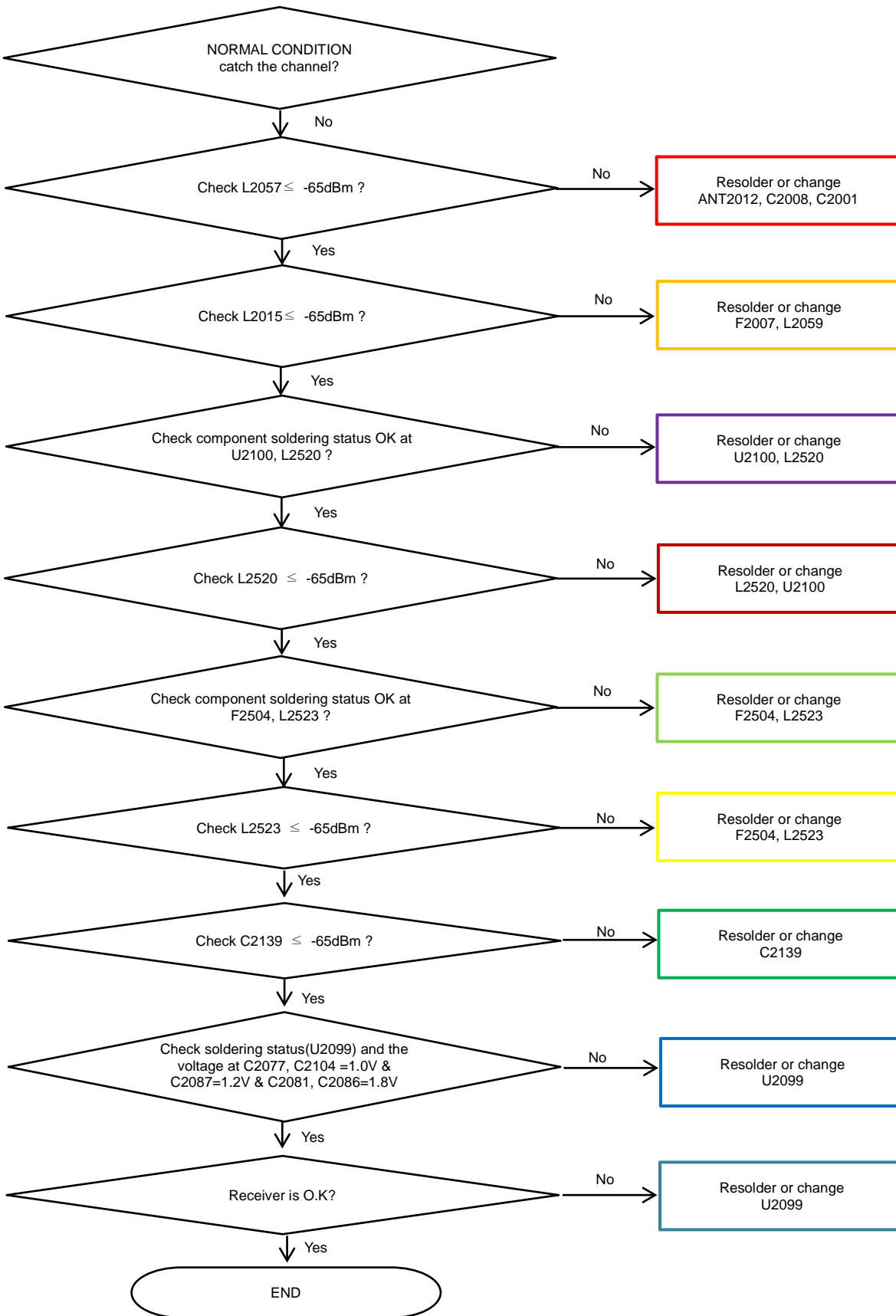


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8. Level 3 Repair

8-4-37. TDSCDMA 34, LTE 34 DRX

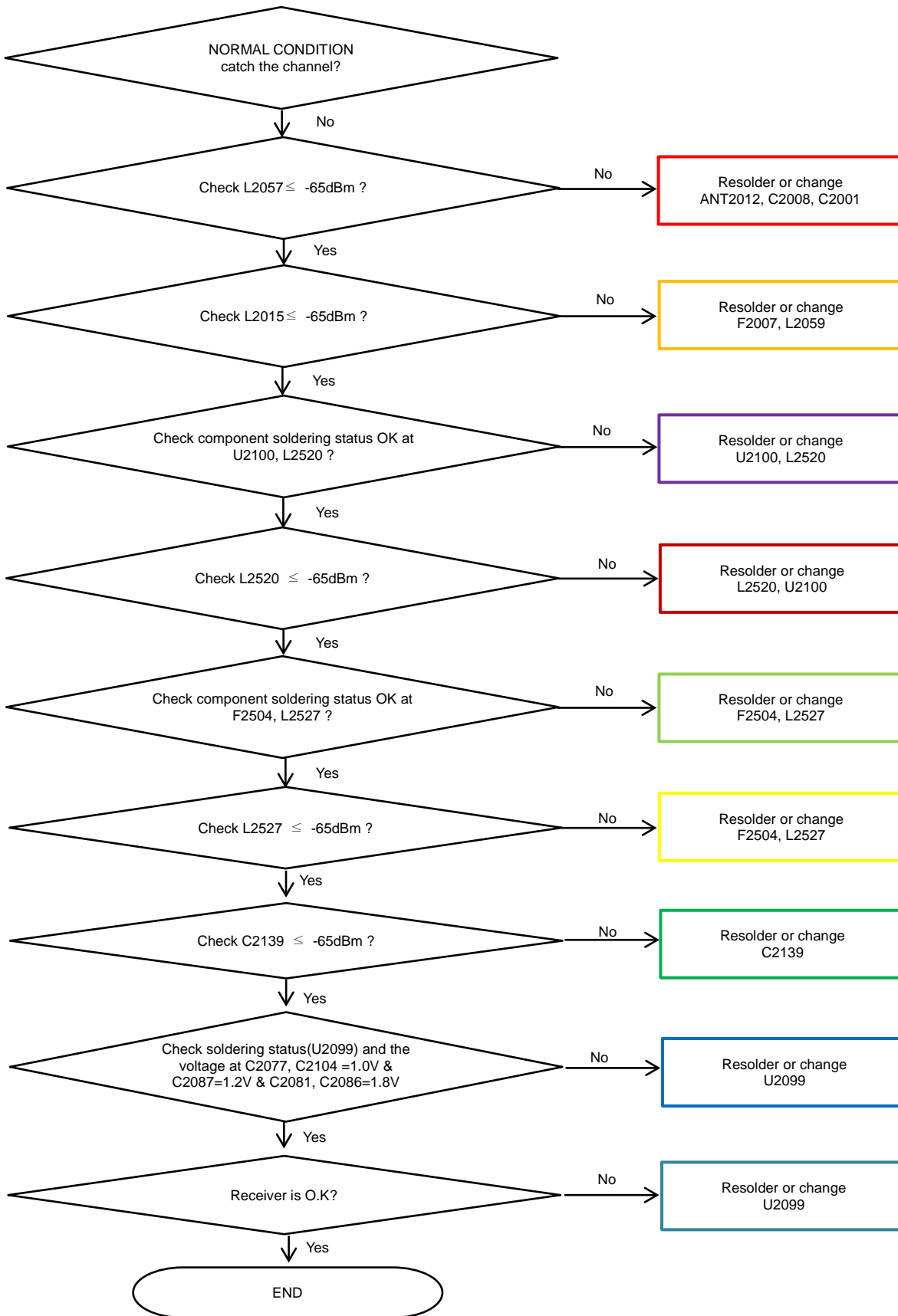


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8. Level 3 Repair

8-4-38. TDSCDMA 39, LTE 39 DRX

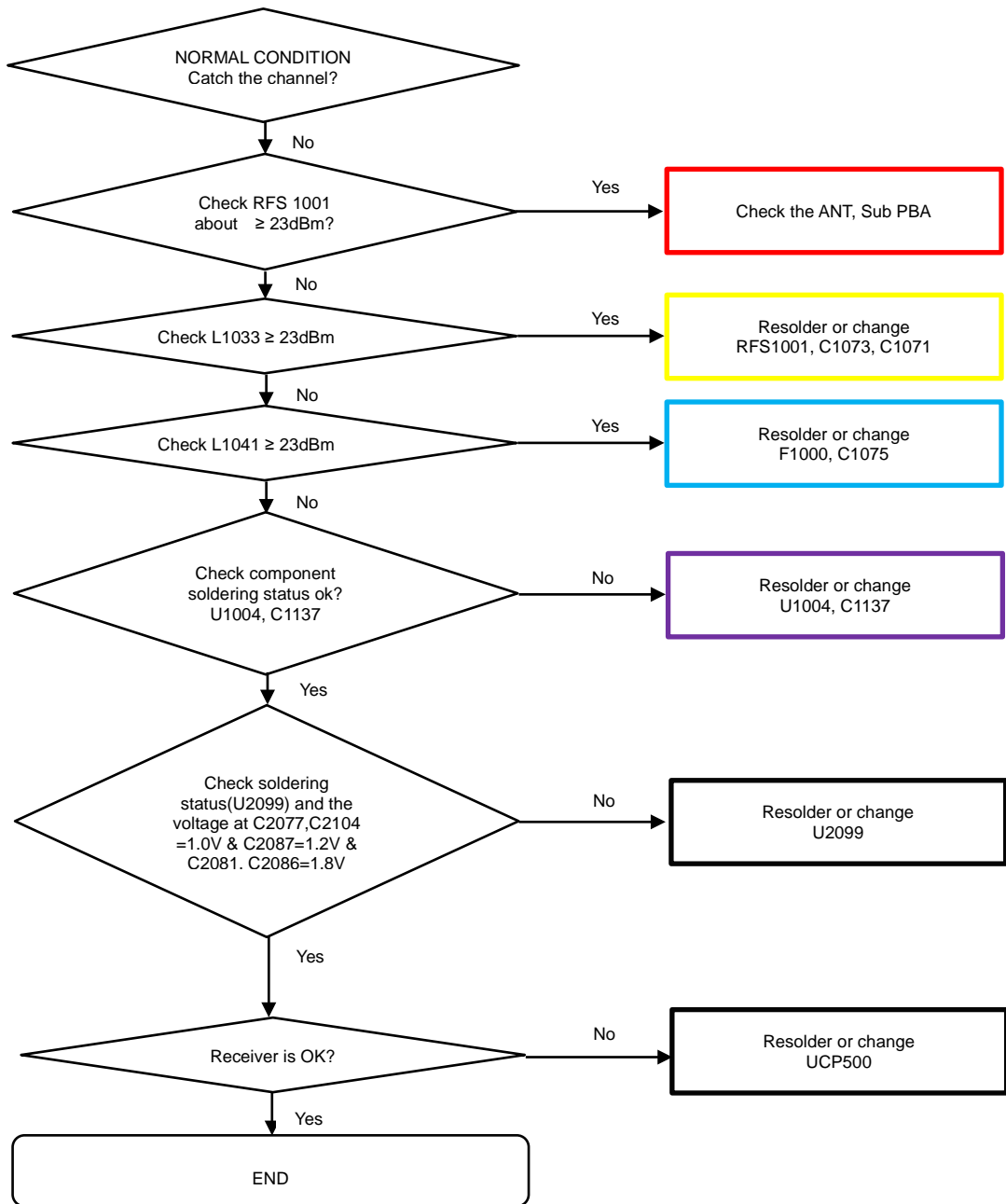


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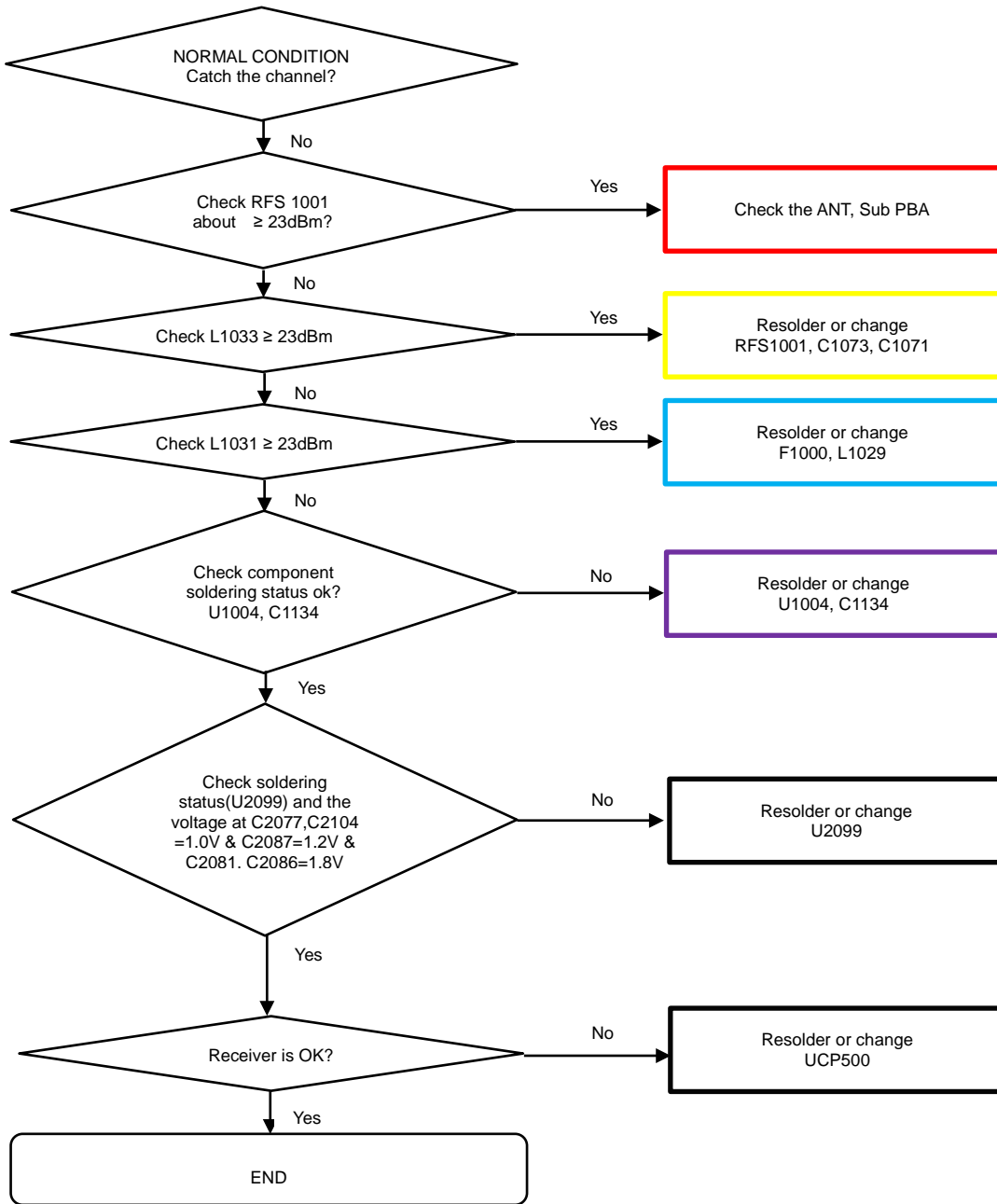
8. Level 3 Repair

8-4-39. GSM 850/900 TX



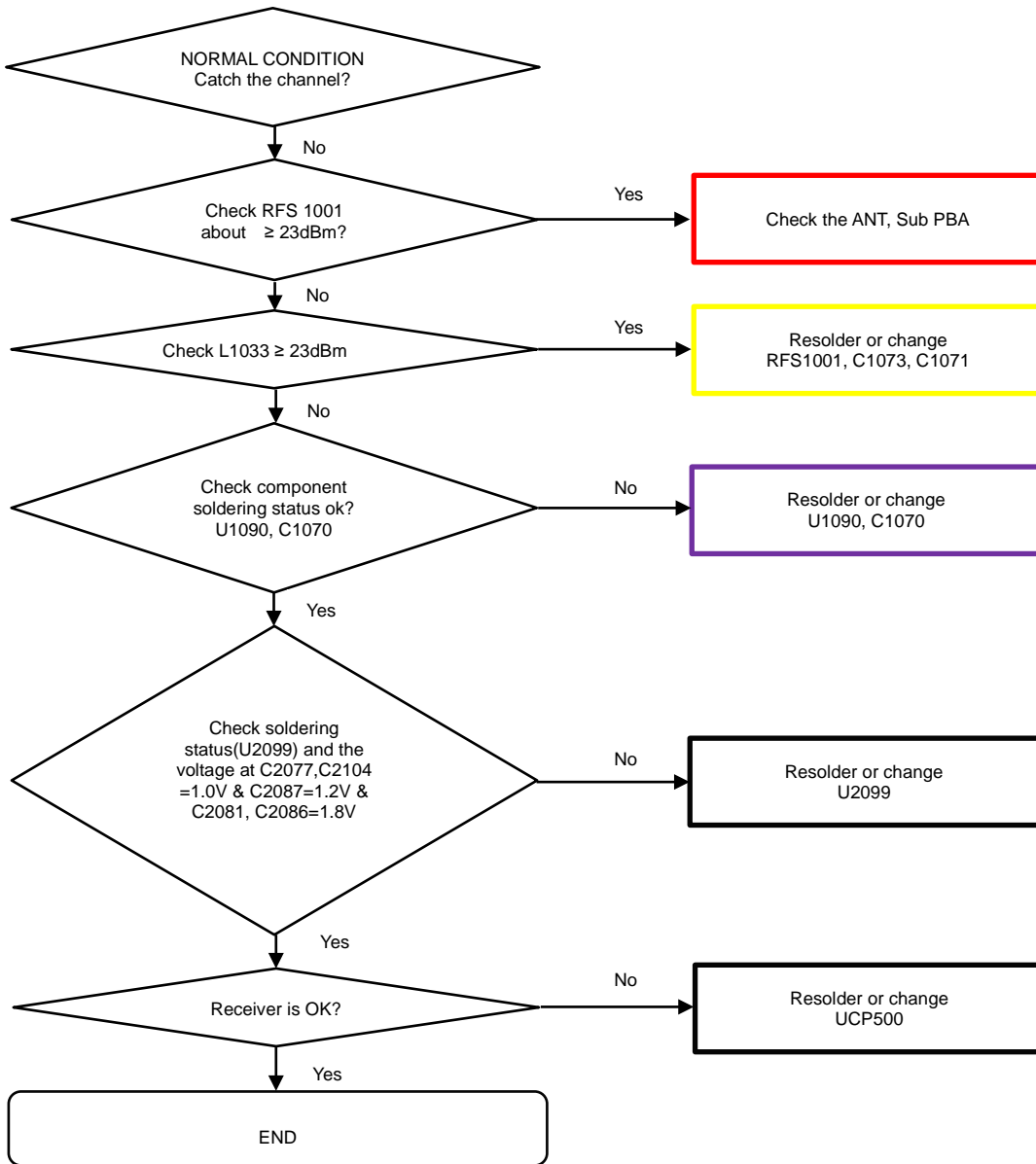
8. Level 3 Repair

8-4-40. GSM 1800/1900 TX



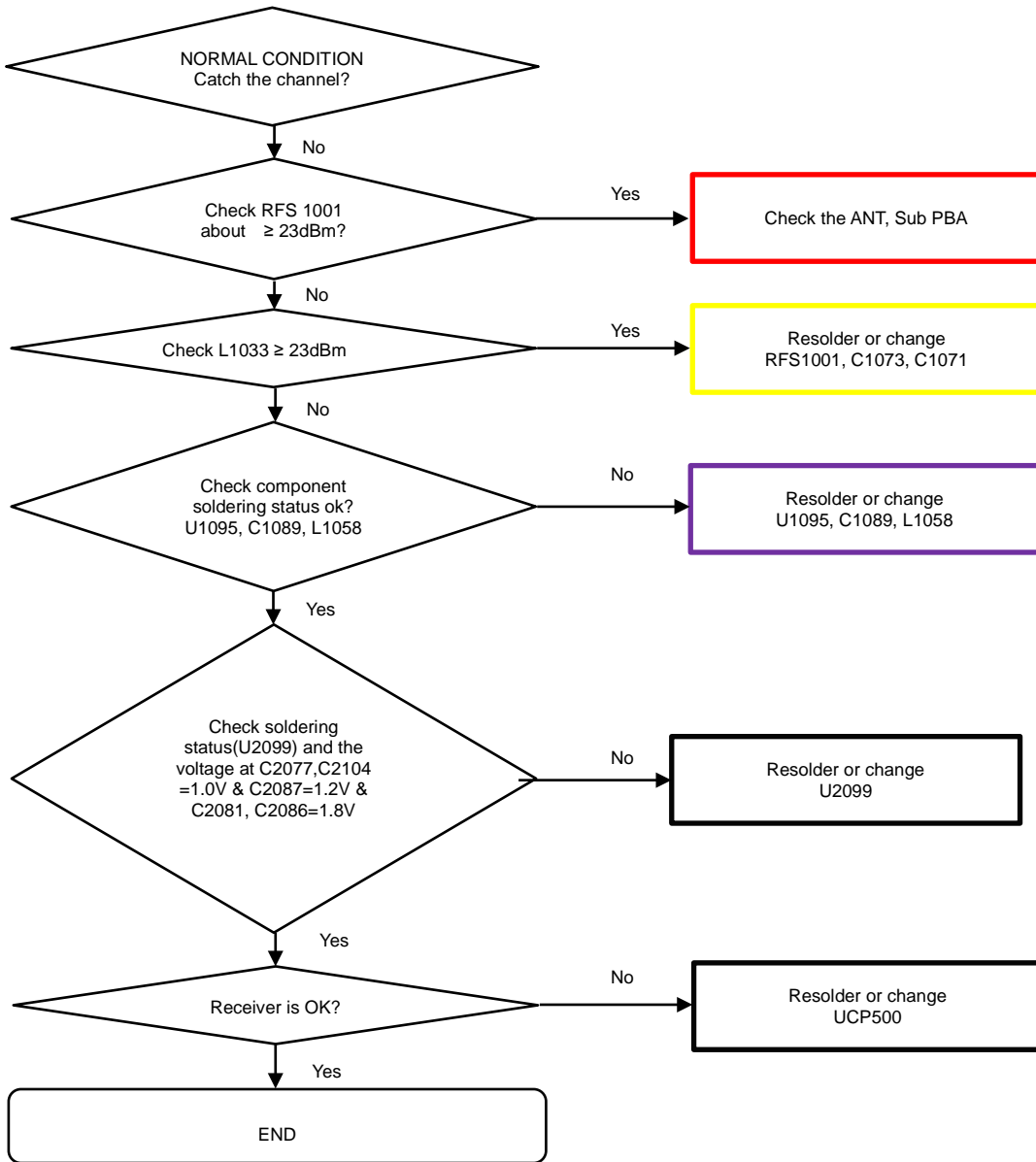
8. Level 3 Repair

8-4-41. CDMA BC0, WCDMA B5/8, LTE5/8/12/13/17/20/26/28 TX



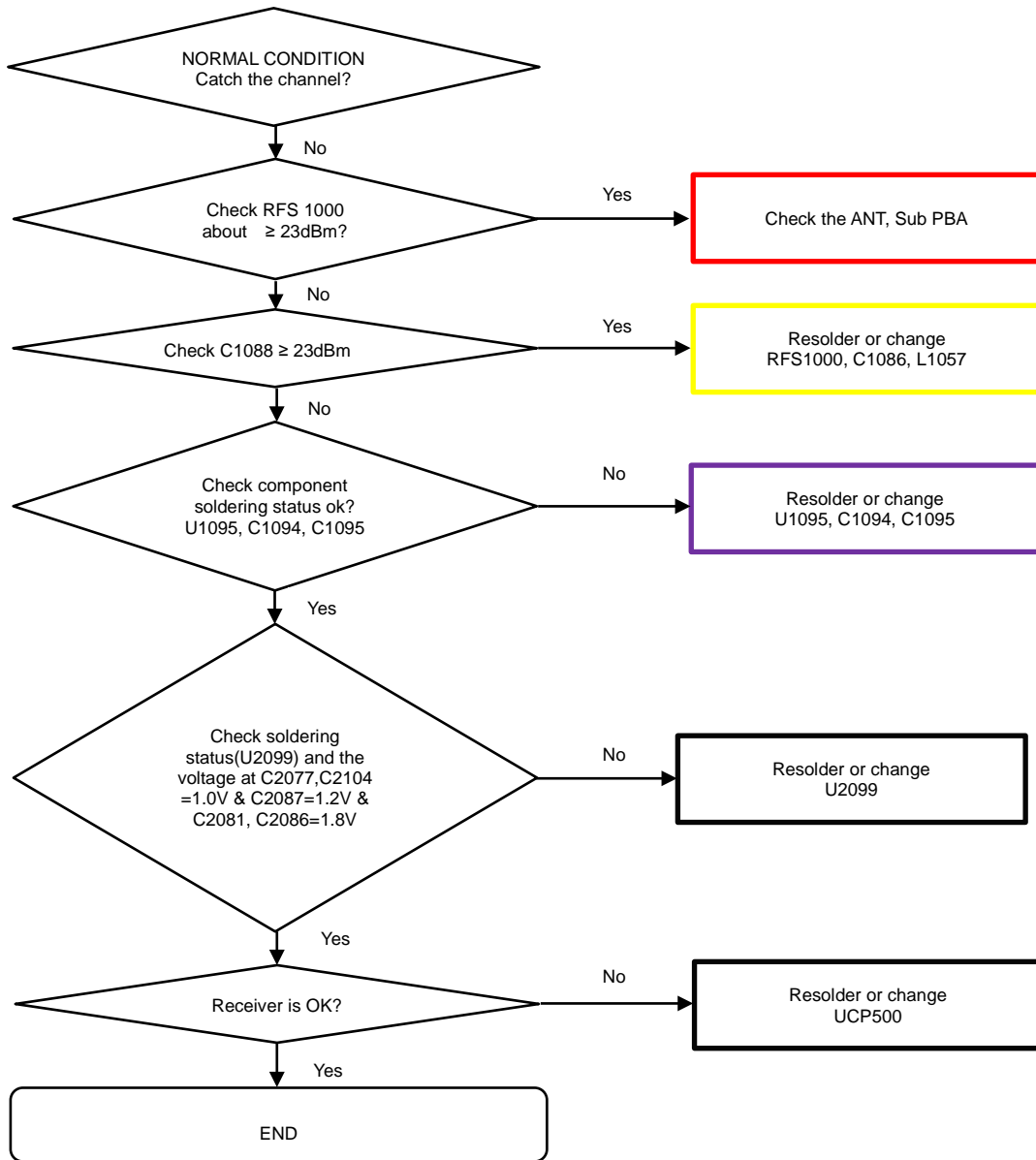
8. Level 3 Repair

8-4-42. TDSCDMA B34/39, WCDMA B1/2/4, LTE B1/2/3/4/25/39/66 TX



8. Level 3 Repair

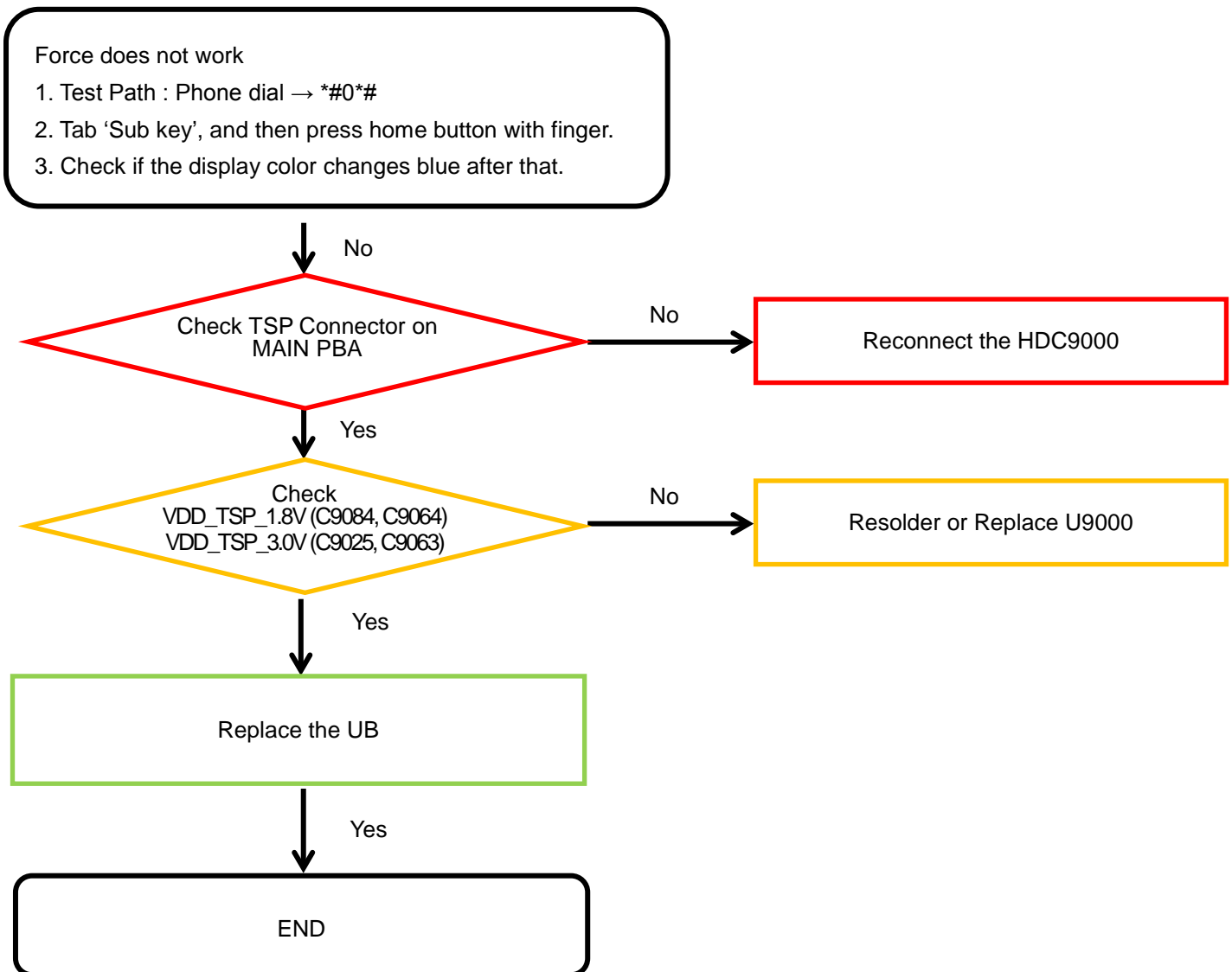
8-4-43. LTE B7/38/40/41 TX





8. Level 3 Repair

8-4-44. Force Touch



## 8. Level 3 Repair

### 8-4-45. Dex Station

