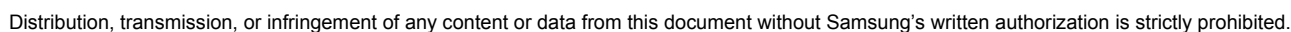


## Block Diagram



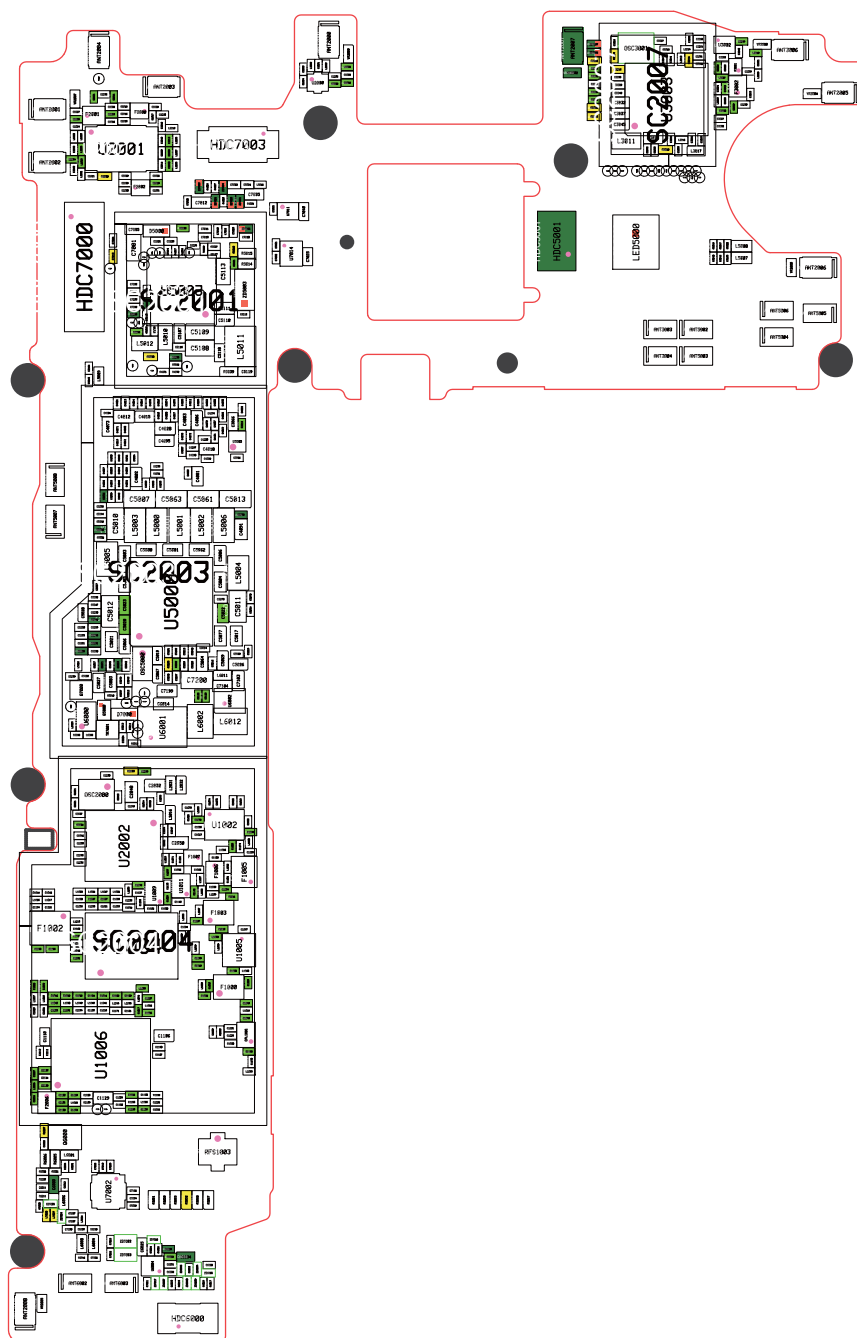
## 8-1. Components Layout

## 8-1. Components Layout

-

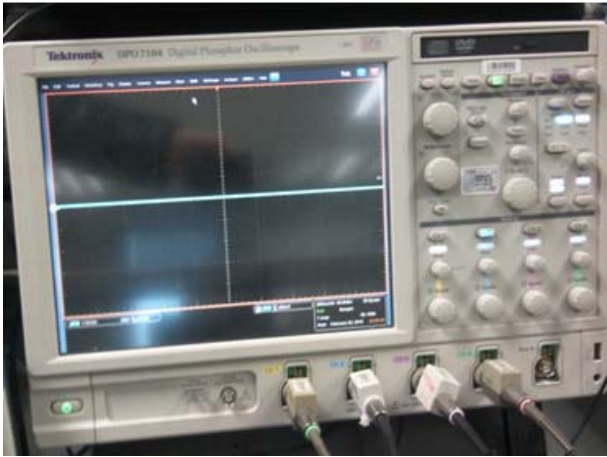
## 8. Level 3 Repair

- Bottom



## 8. Level 3 Repair

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



Oscilloscope



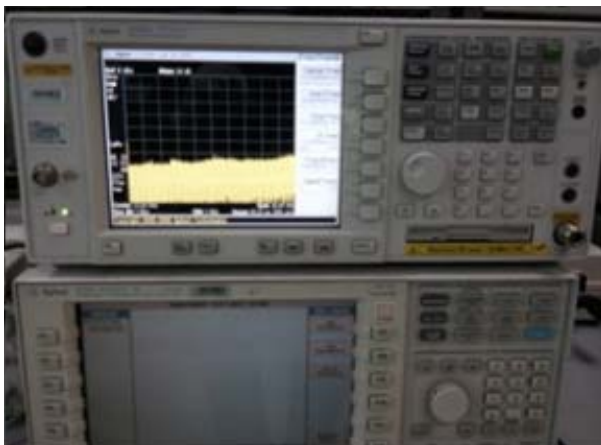
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



8960 & Spectrum Analyzer



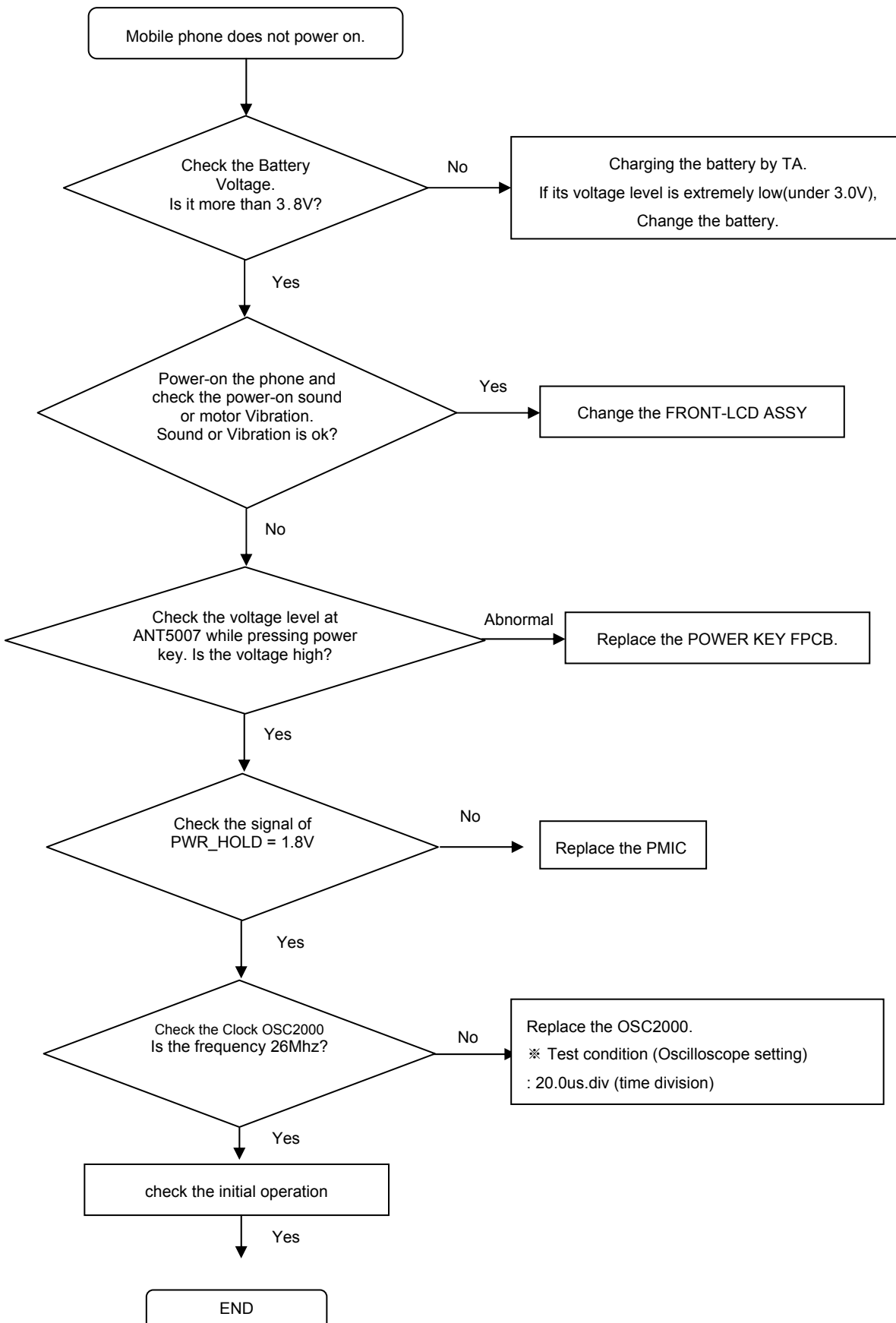
Soldering iron

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## 8. Level 3 Repair

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### 8-4-1. Power On

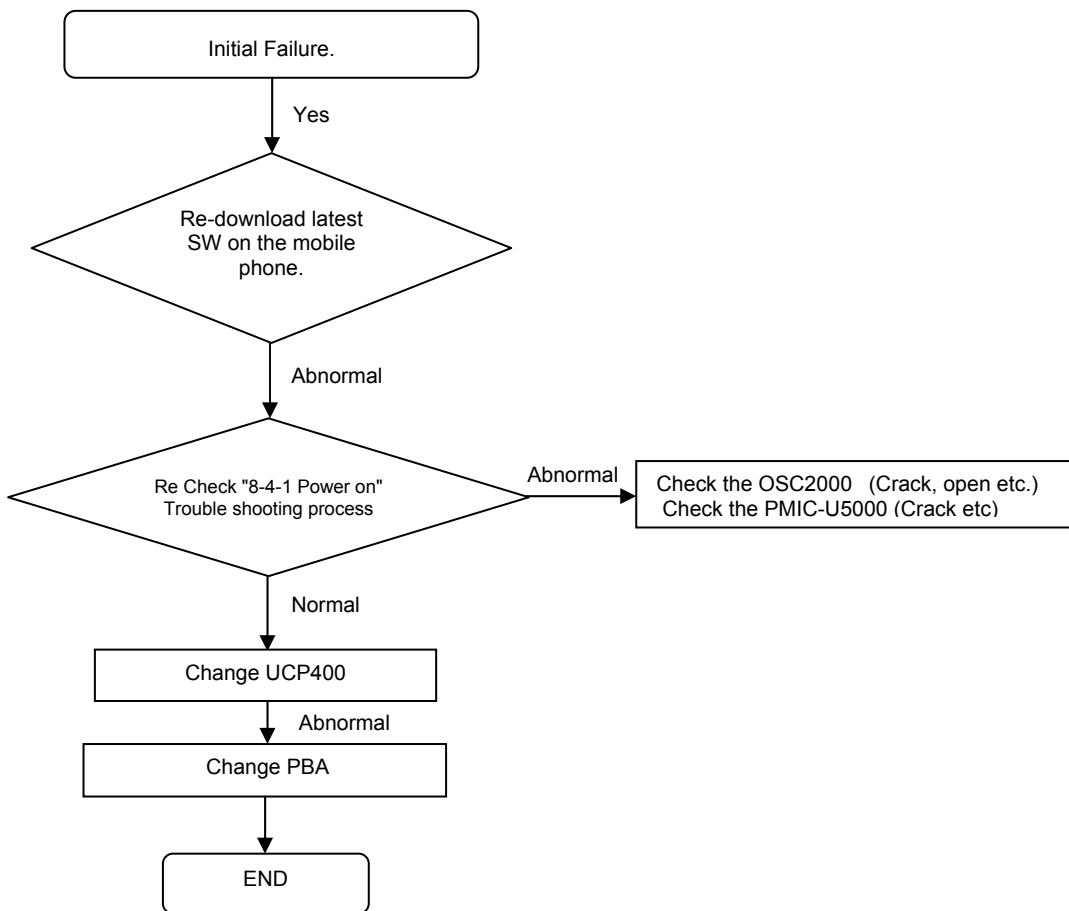


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## 8. Level 3 Repair

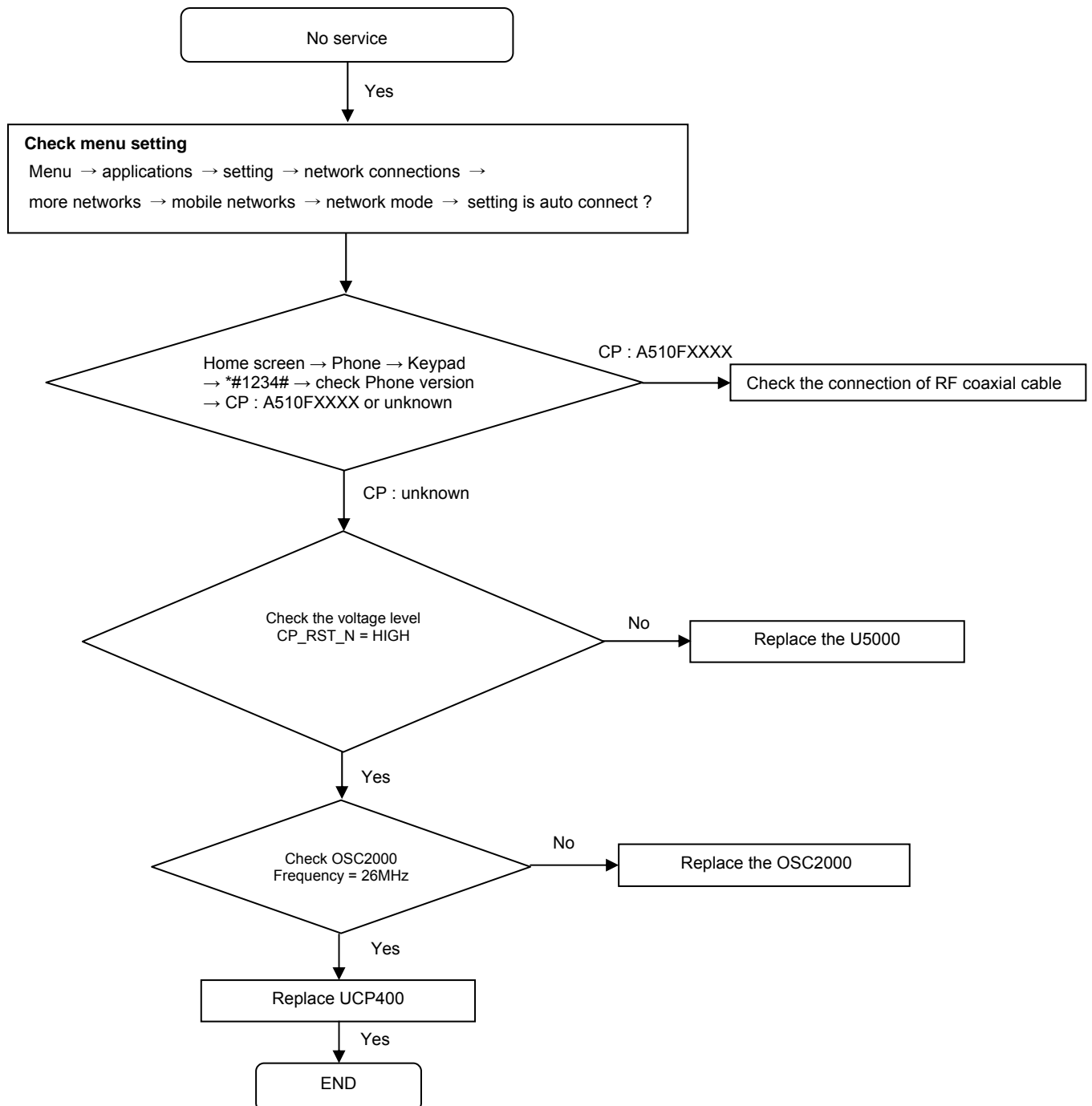
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### 8-4-2. Initial



## 8. Level 3 Repair

### 8-4-3. No Service

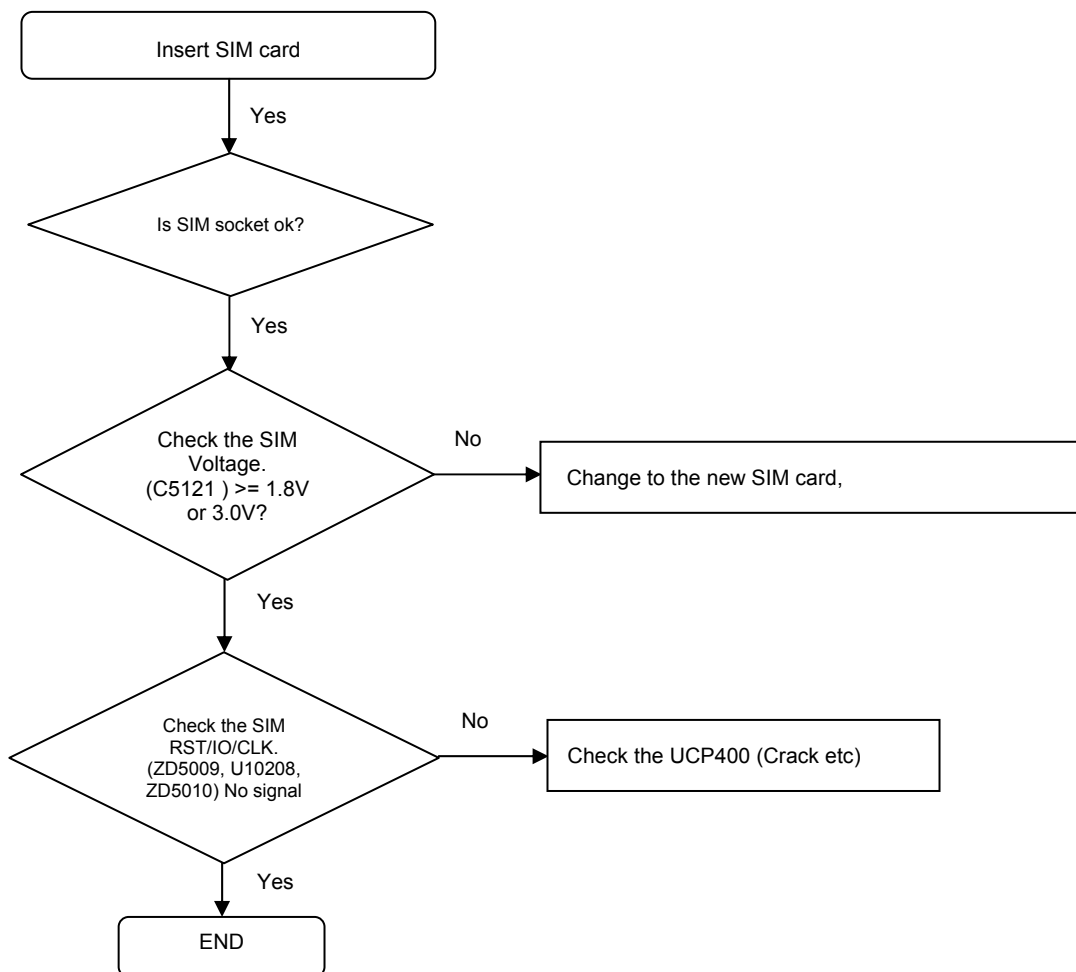


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## 8. Level 3 Repair

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### 8-4-4. Sim Part



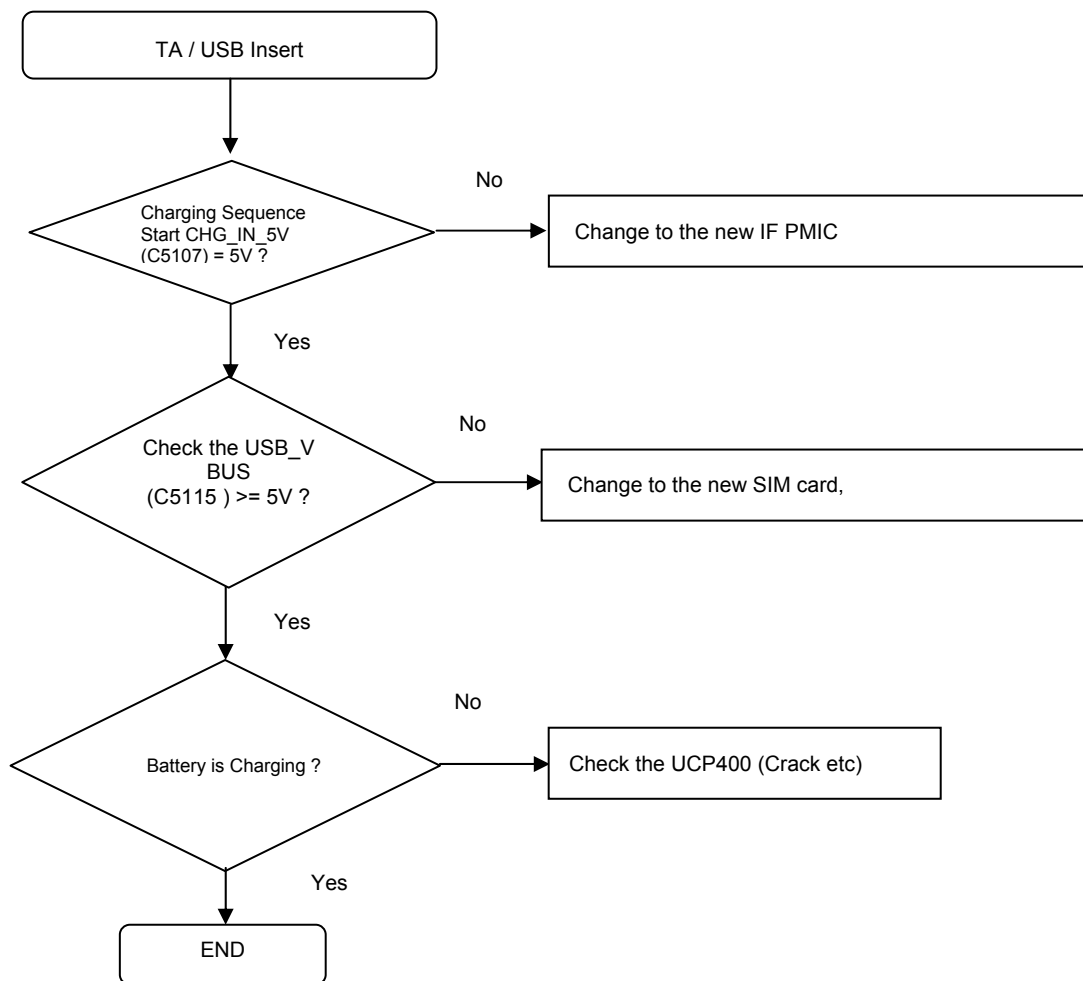


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## 8. Level 3 Repair

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### 8-4-5. Charging Part

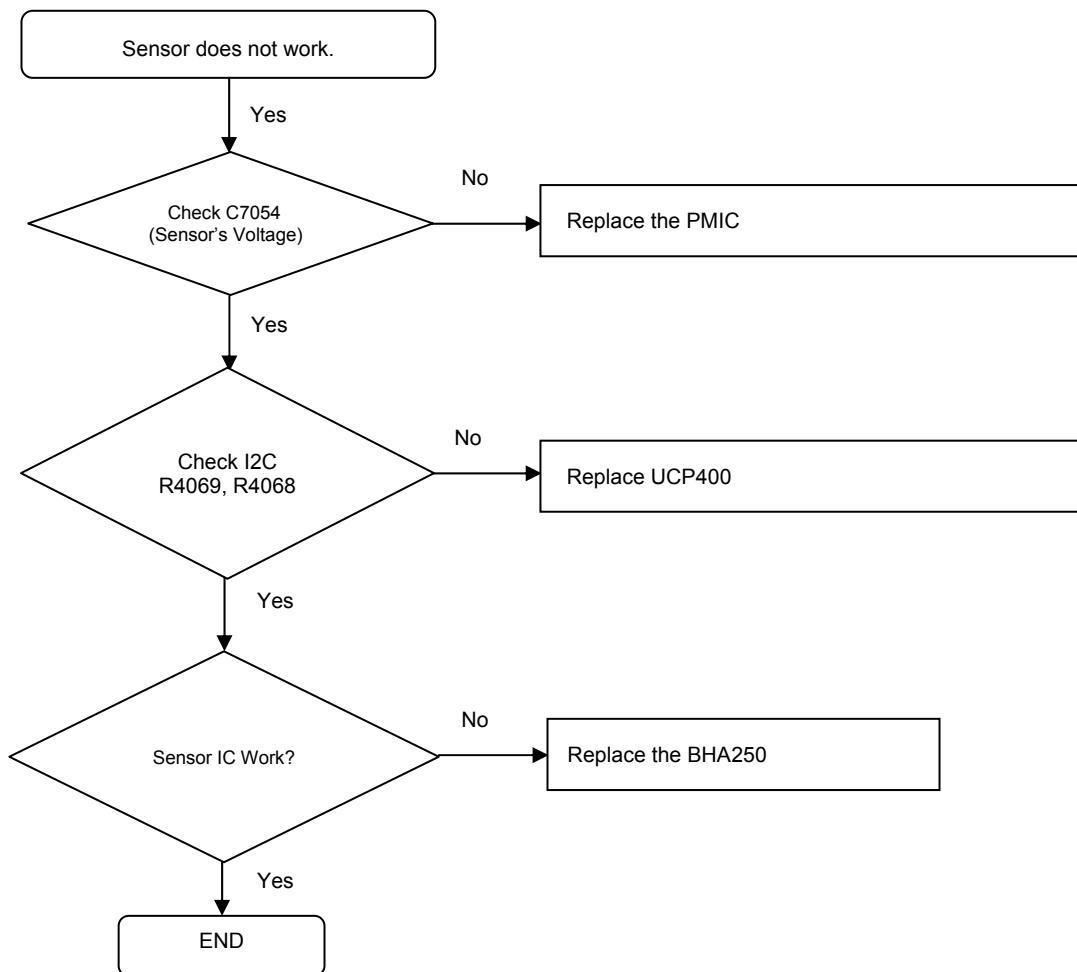


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## 8. Level 3 Repair

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### 8-4-6. Accel Sensor

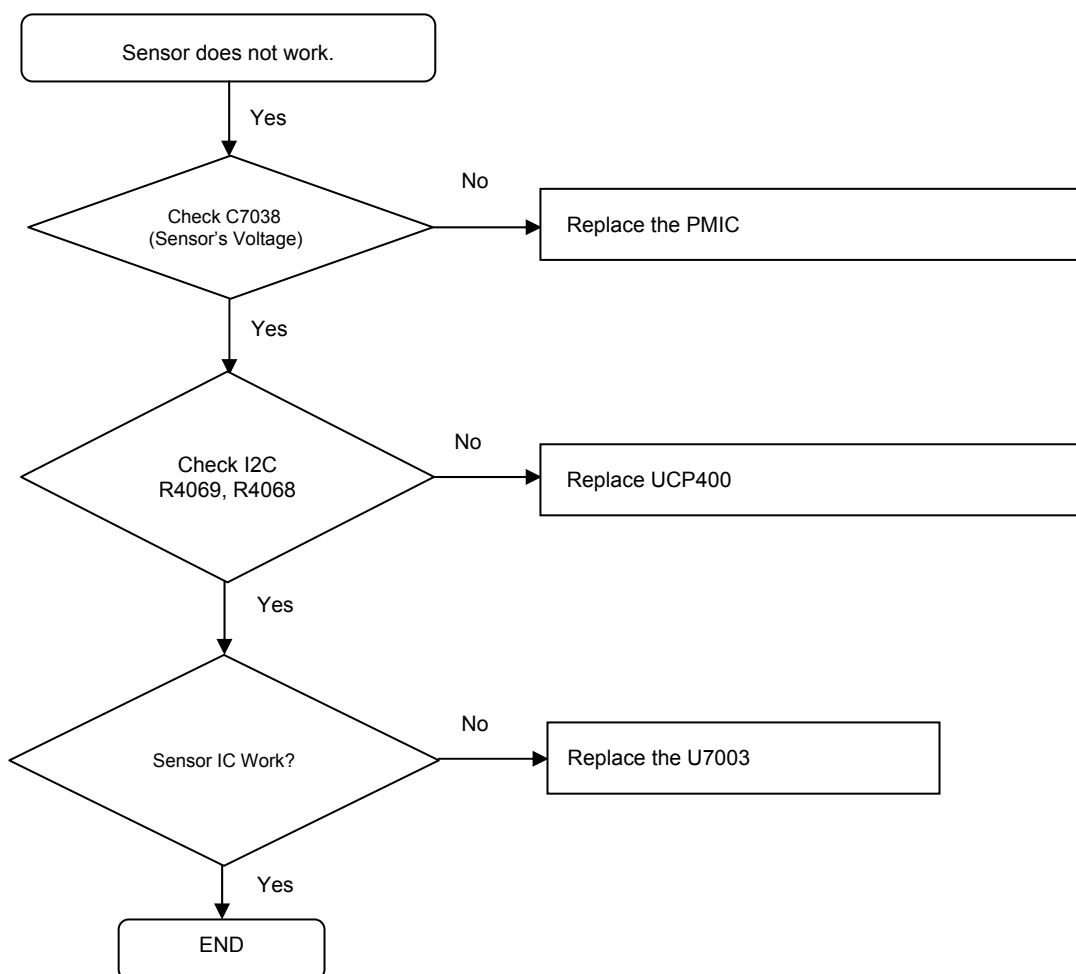


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## 8. Level 3 Repair

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### 8-4-7. Magnetic Sensor

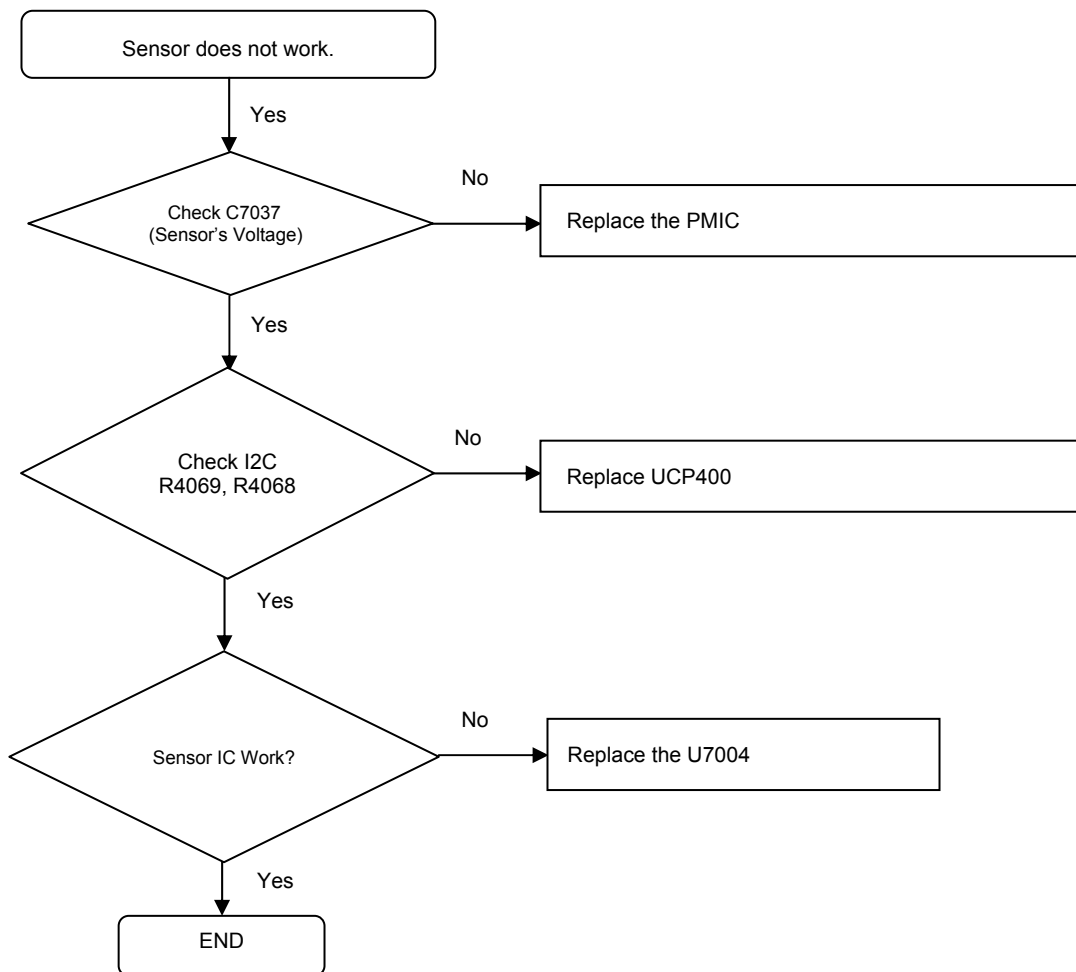


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## 8. Level 3 Repair

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### 8-4-8. Proxy + RGB Sensor

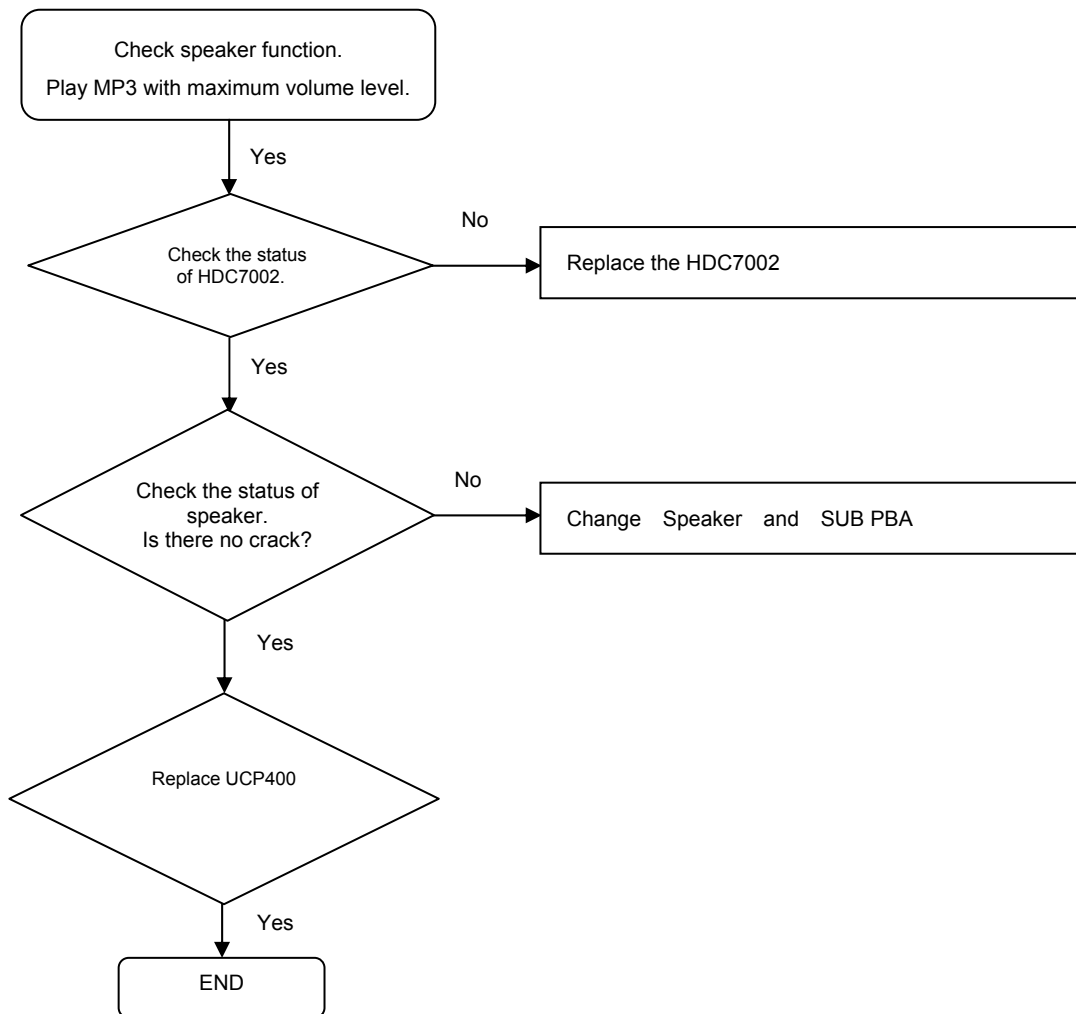


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## 8. Level 3 Repair

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### 8-4-9. Speaker Part

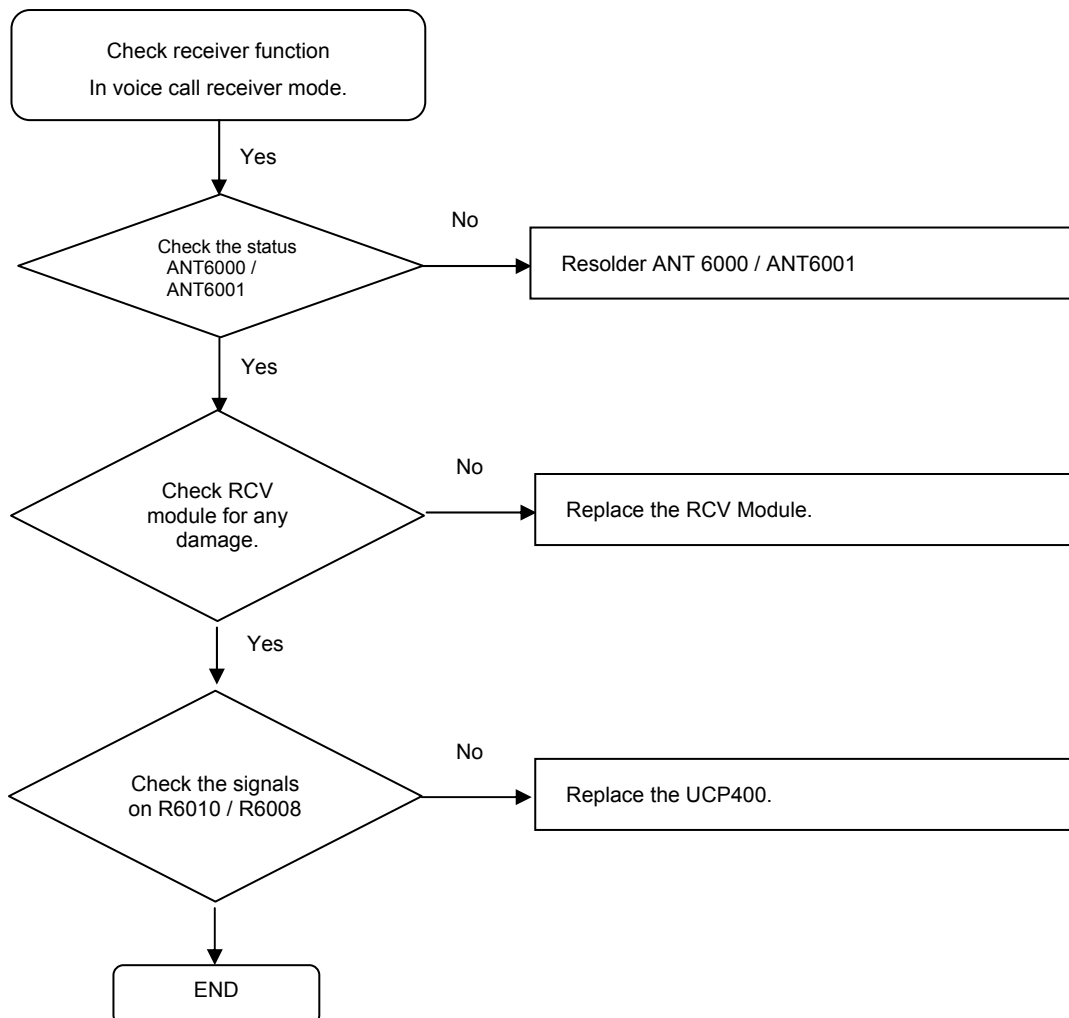


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## 8. Level 3 Repair

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### 8-4-10. Receiver Part

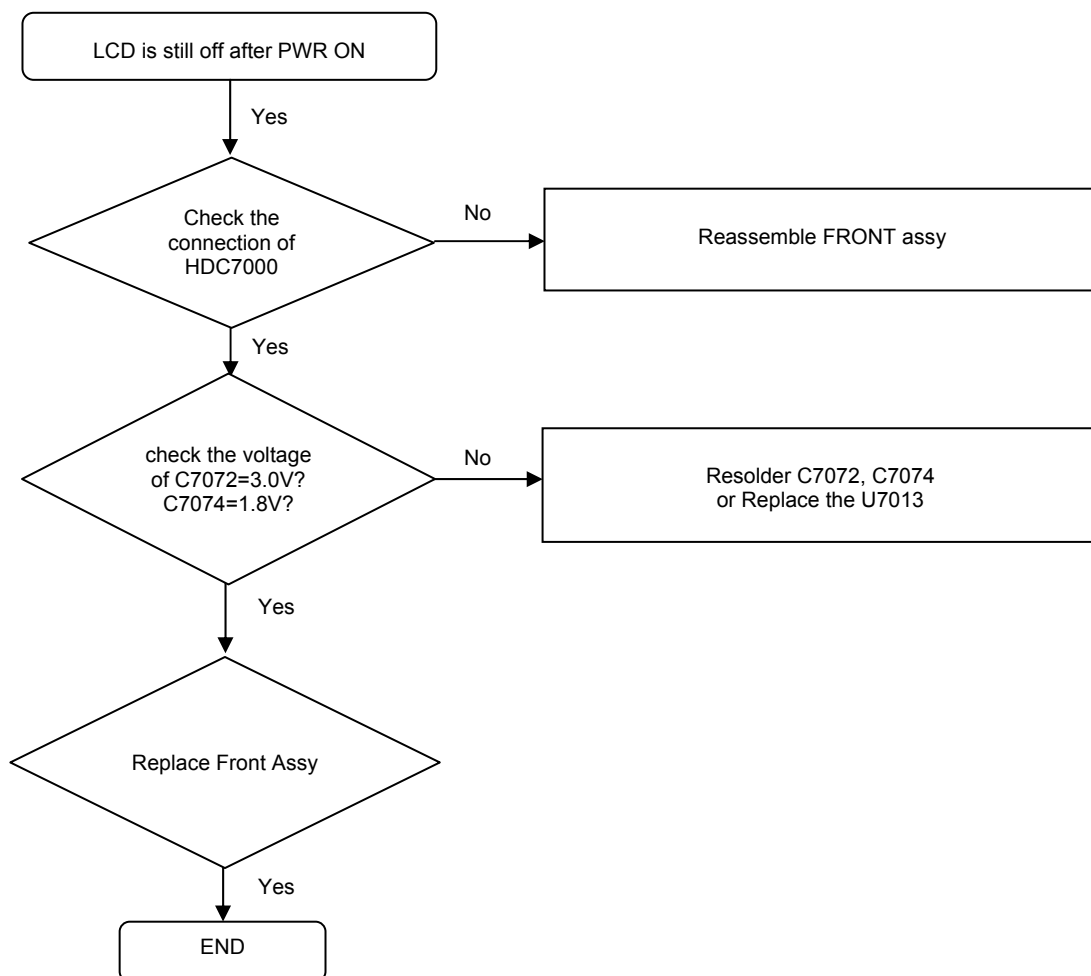


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## 8. Level 3 Repair

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### 8-4-11. LCD

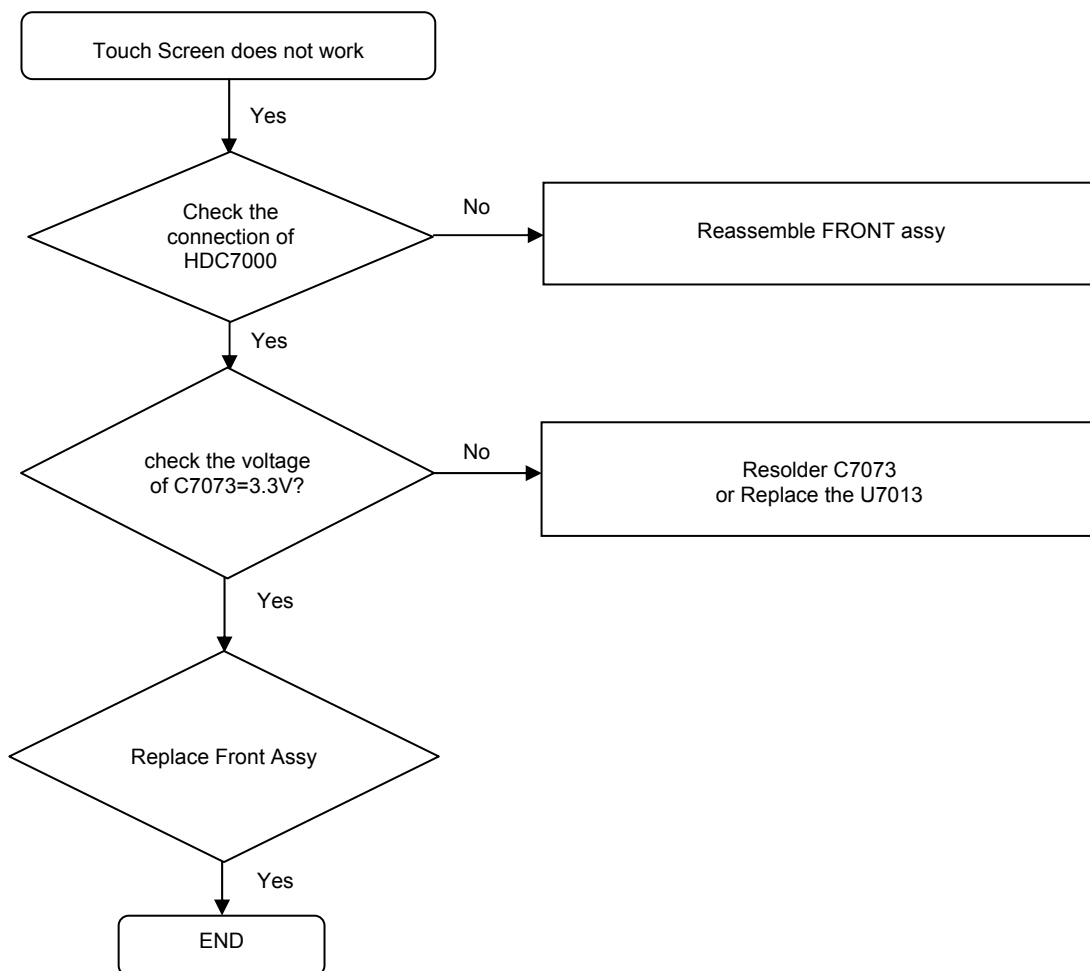


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## 8. Level 3 Repair

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### 8-4-12. TSP



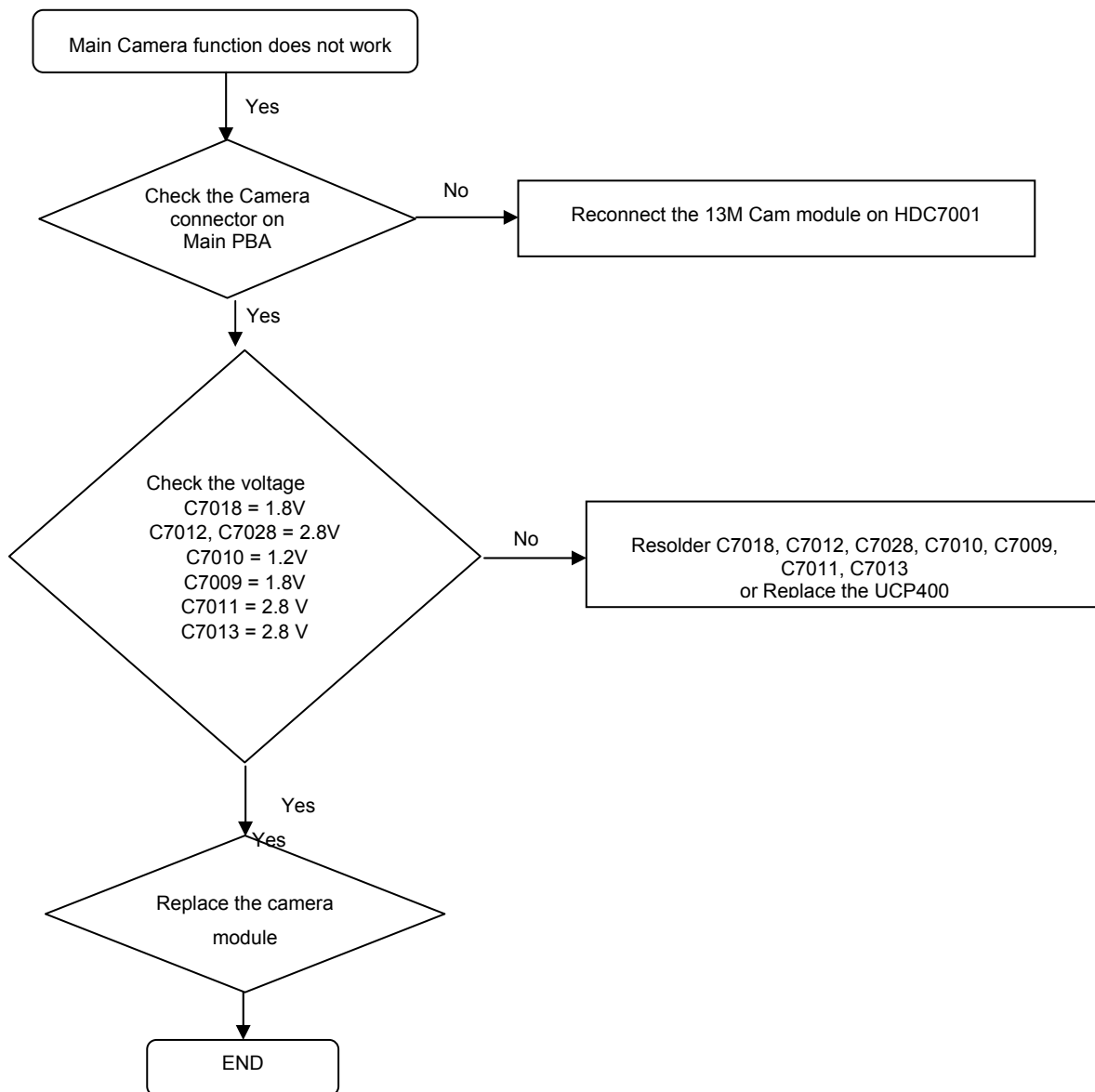


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## 8. Level 3 Repair

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### 8-4-13. 5M CAMERA

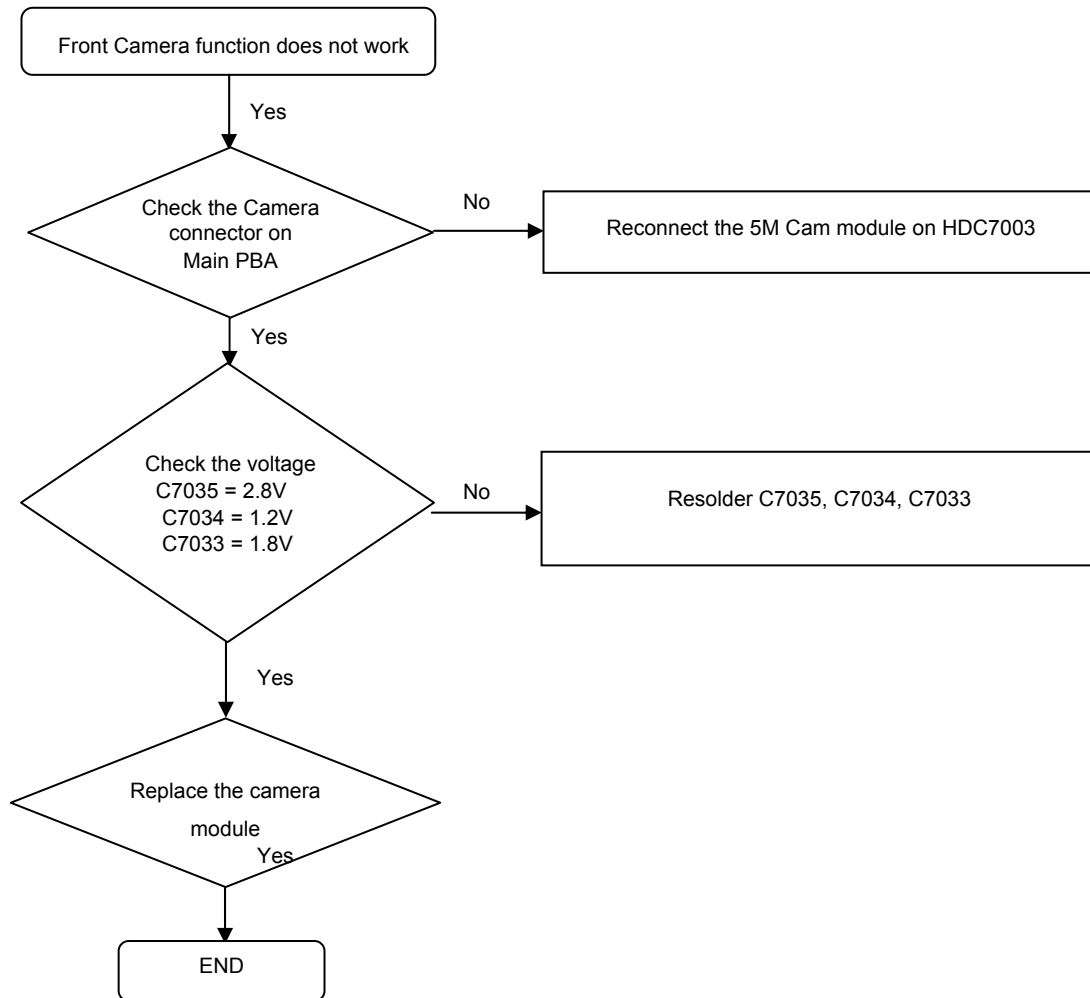


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## 8. Level 3 Repair

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### 8-4-14. 2M CAMERA

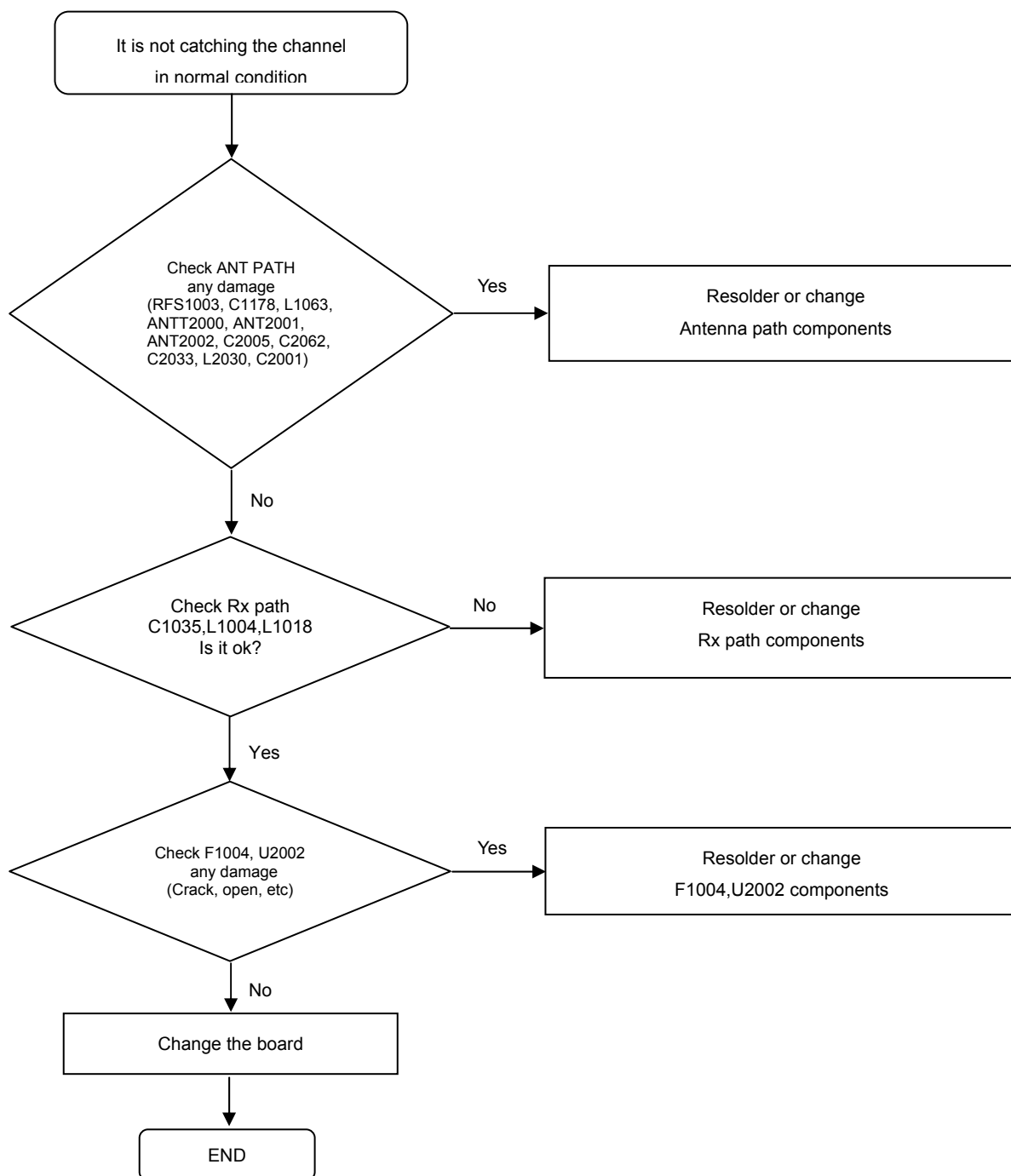


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## 8. Level 3 Repair

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### 8-4-15. GSM 850 / WCDMA 850 / LTE B5 RX

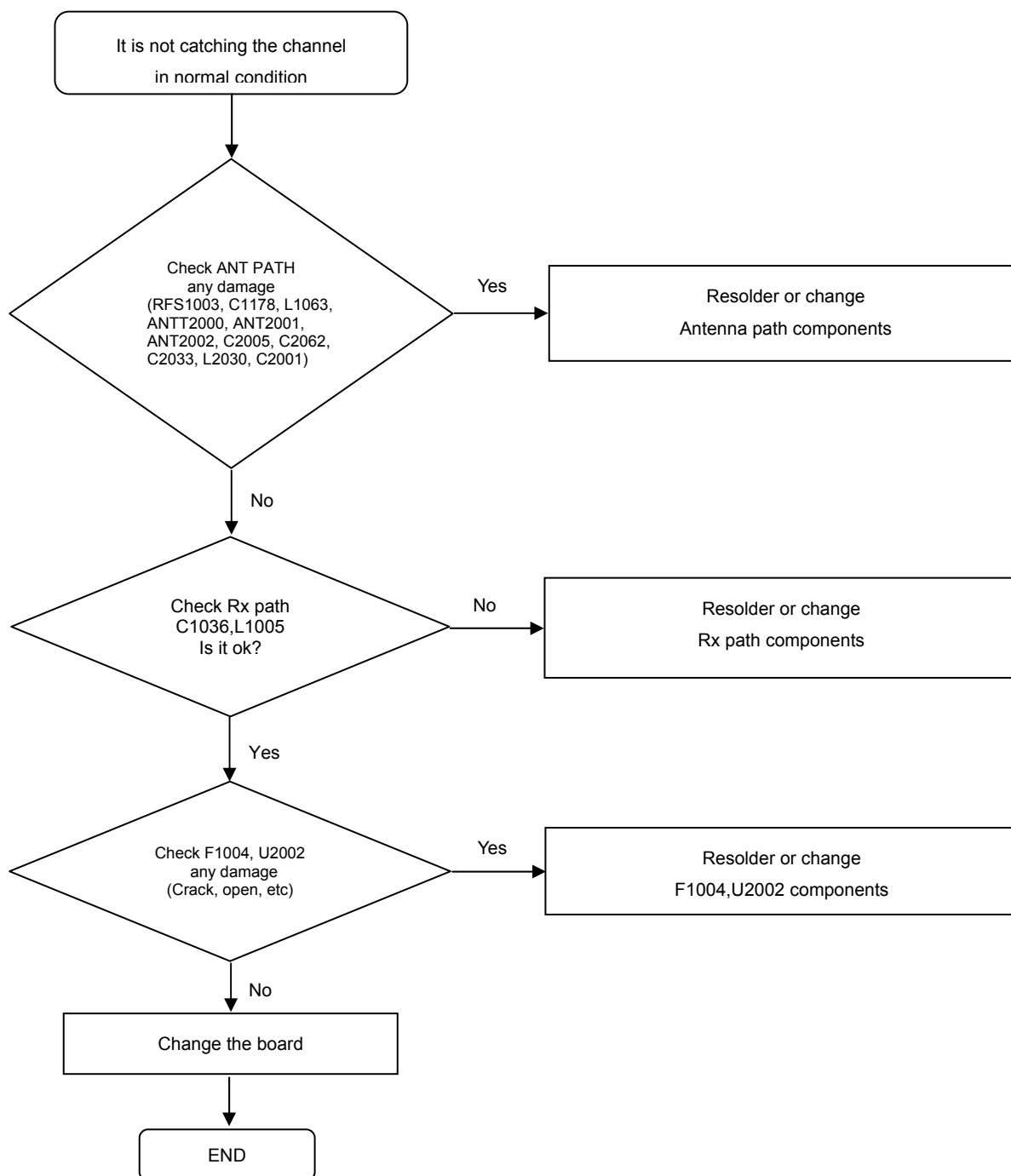


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## 8. Level 3 Repair

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### 8-4-16. GSM1900 / WCDMA 900 / LTE B8 Rx

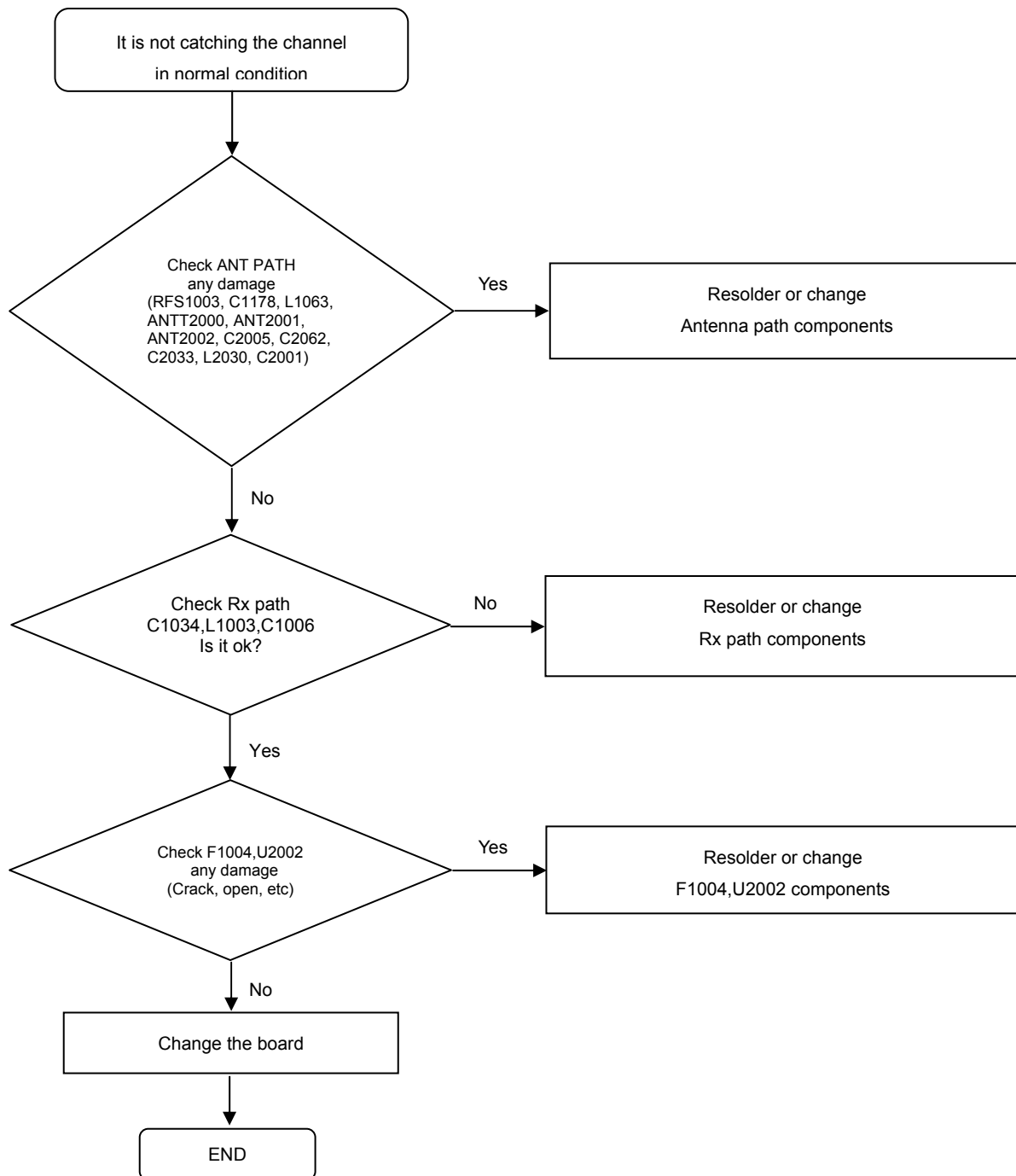


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## 8. Level 3 Repair

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### 8-4-17. GSM1800 / LTE B3 Rx

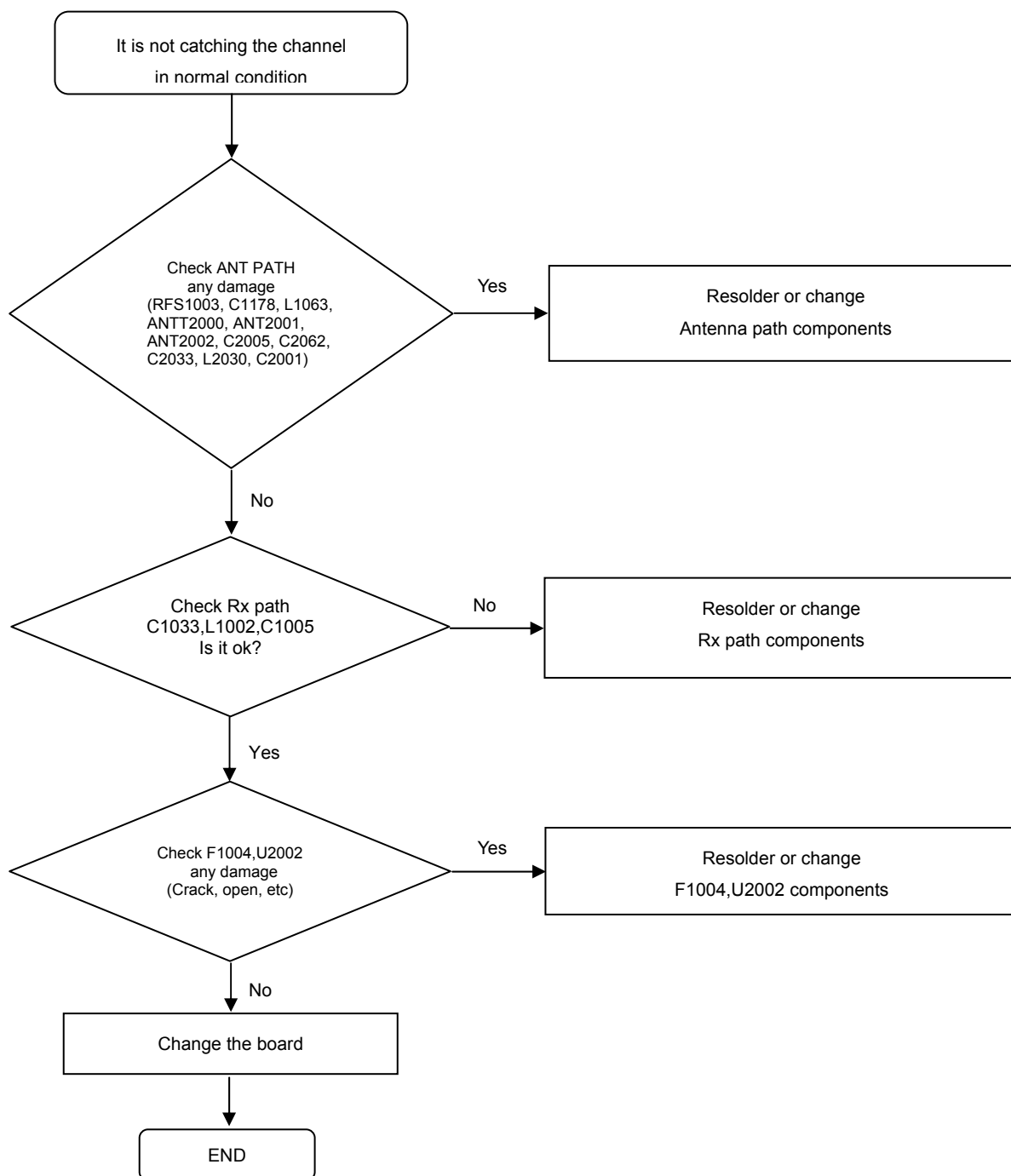


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## 8. Level 3 Repair

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8-4-18. GSM 1900 / WCDMA 1900

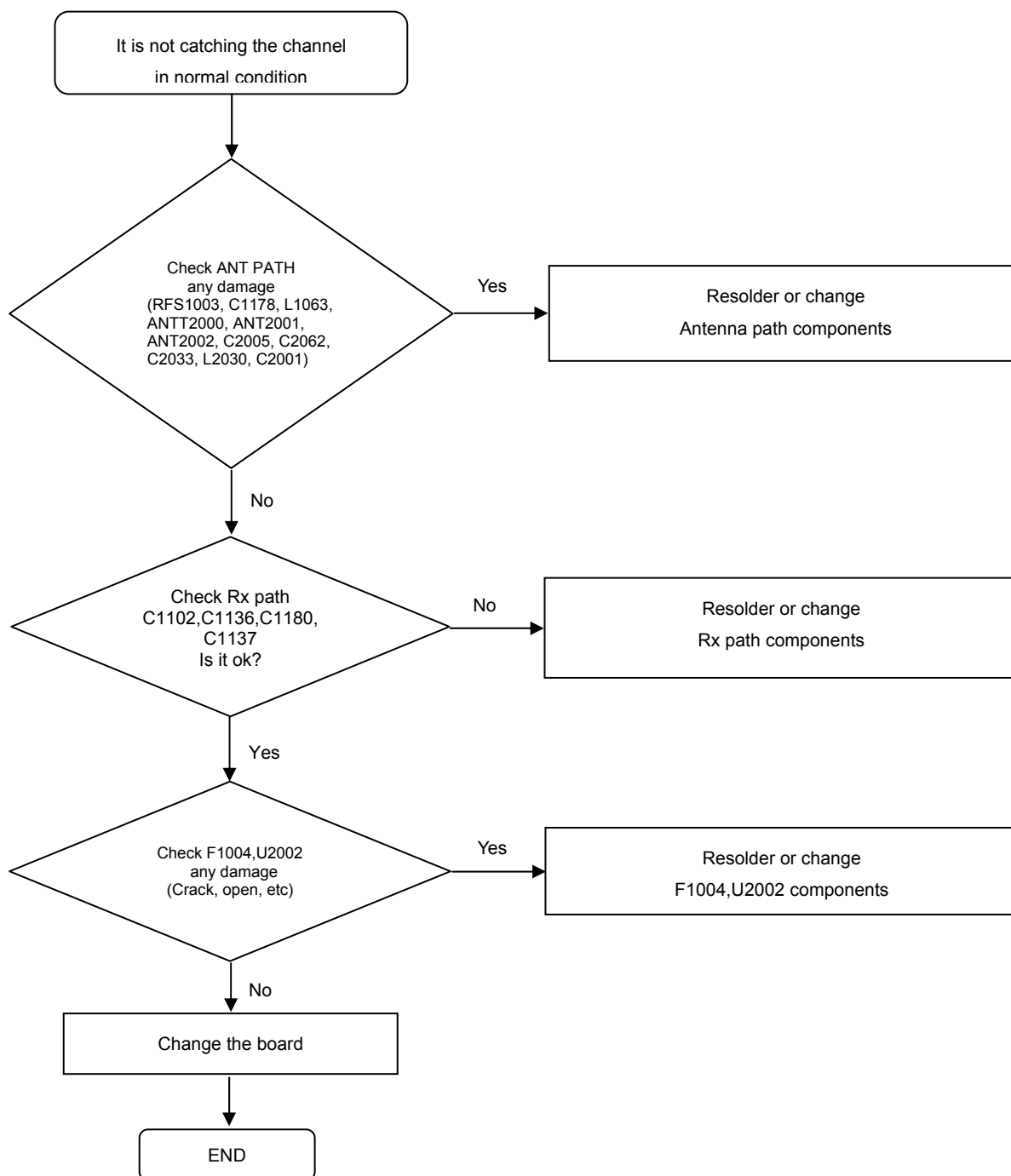


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## 8. Level 3 Repair

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8-4-19. WCDMA 2100 / LTE B1 RX

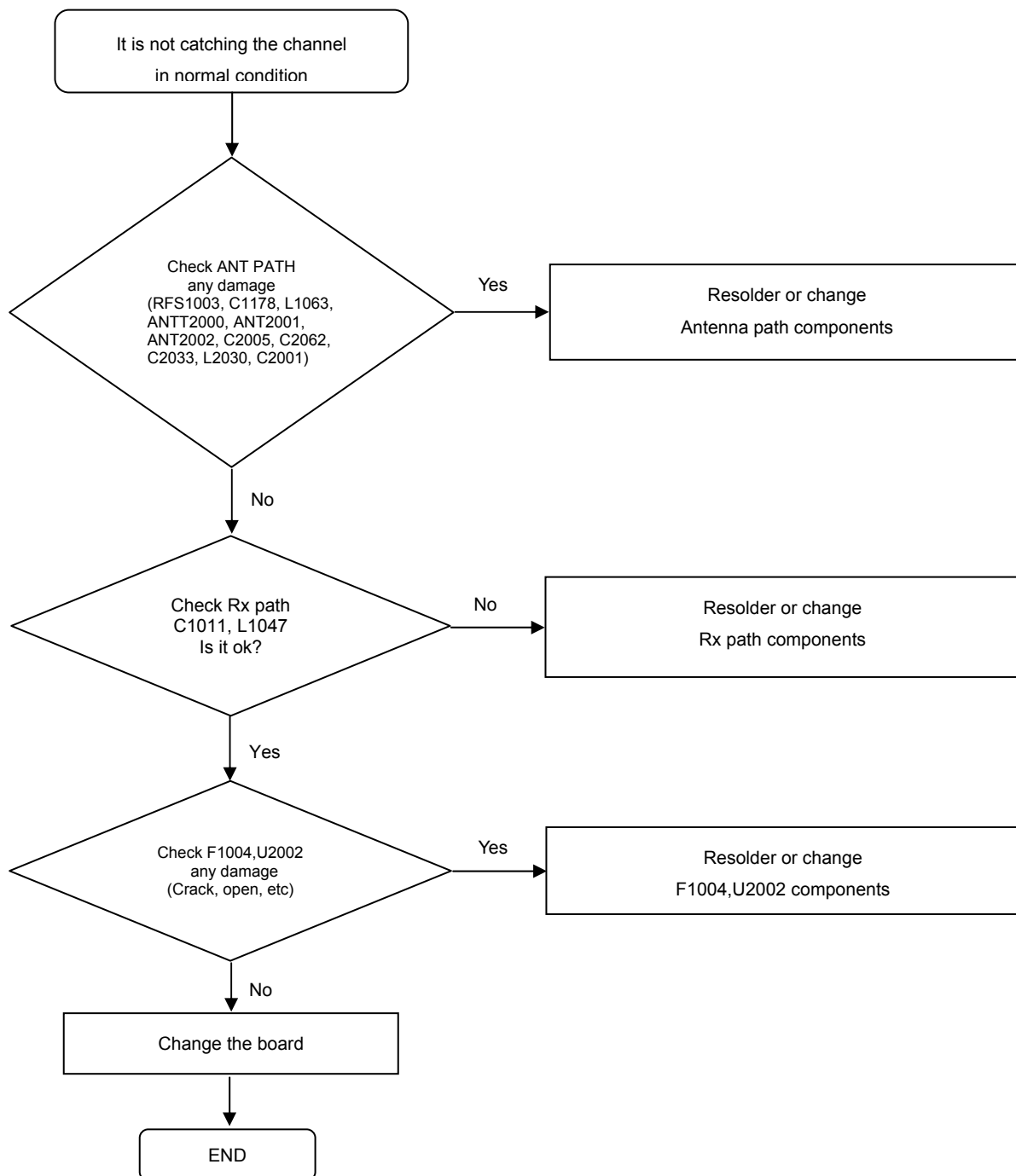


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## 8. Level 3 Repair

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### 8-4-20. LTE B20 RX



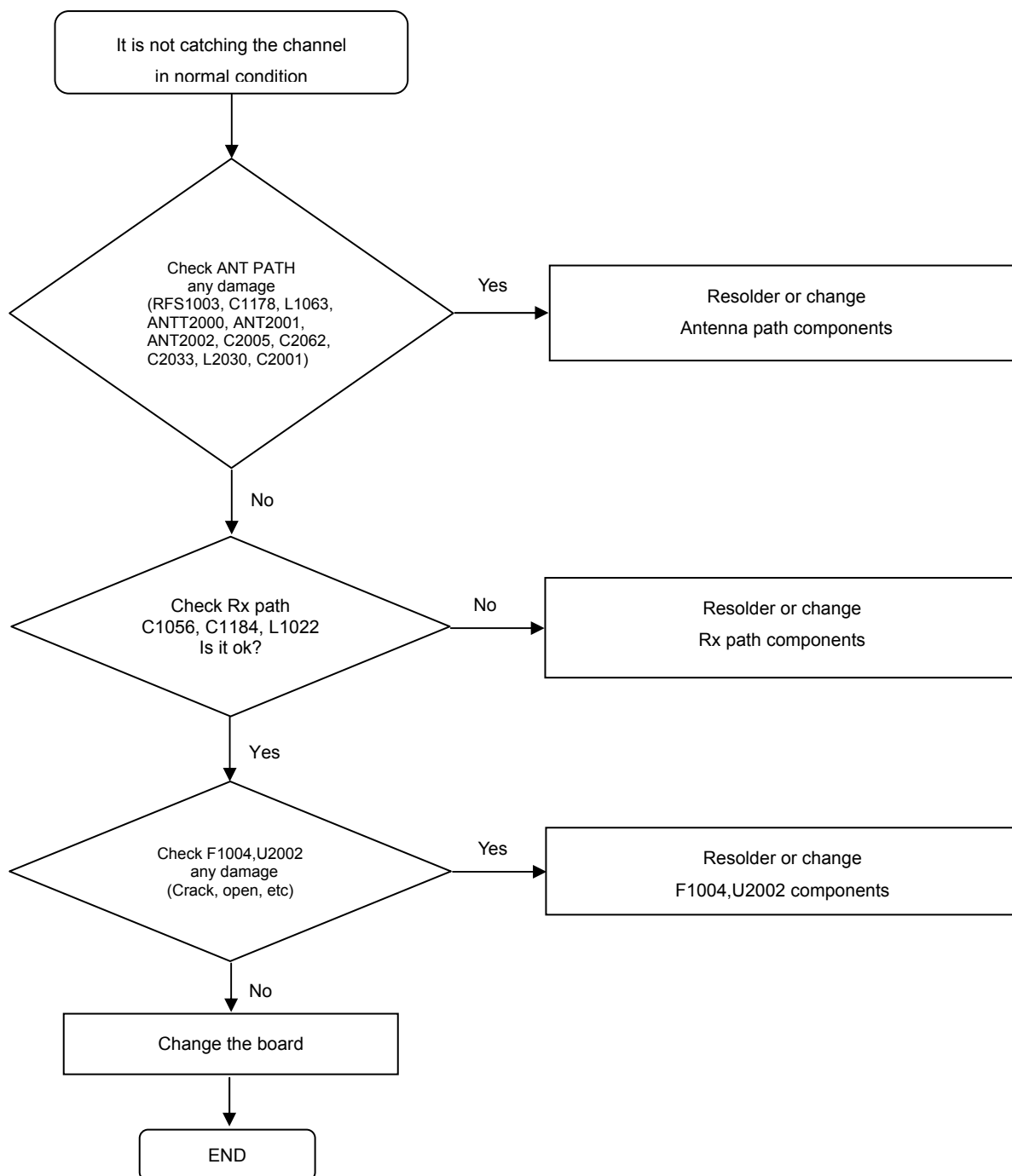


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## 8. Level 3 Repair

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### 8-4-21. LTE B7, B40 RX

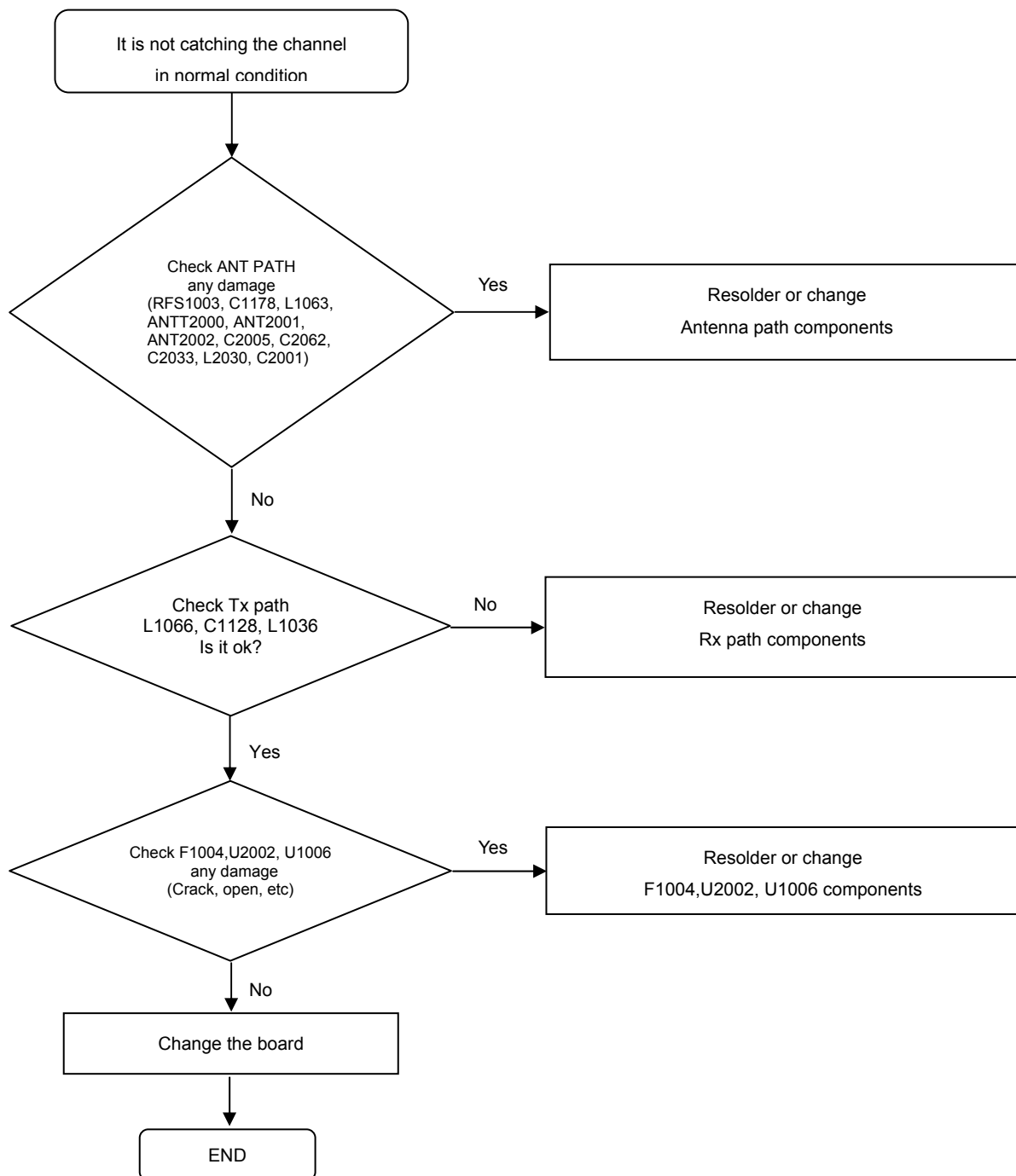


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## 8. Level 3 Repair

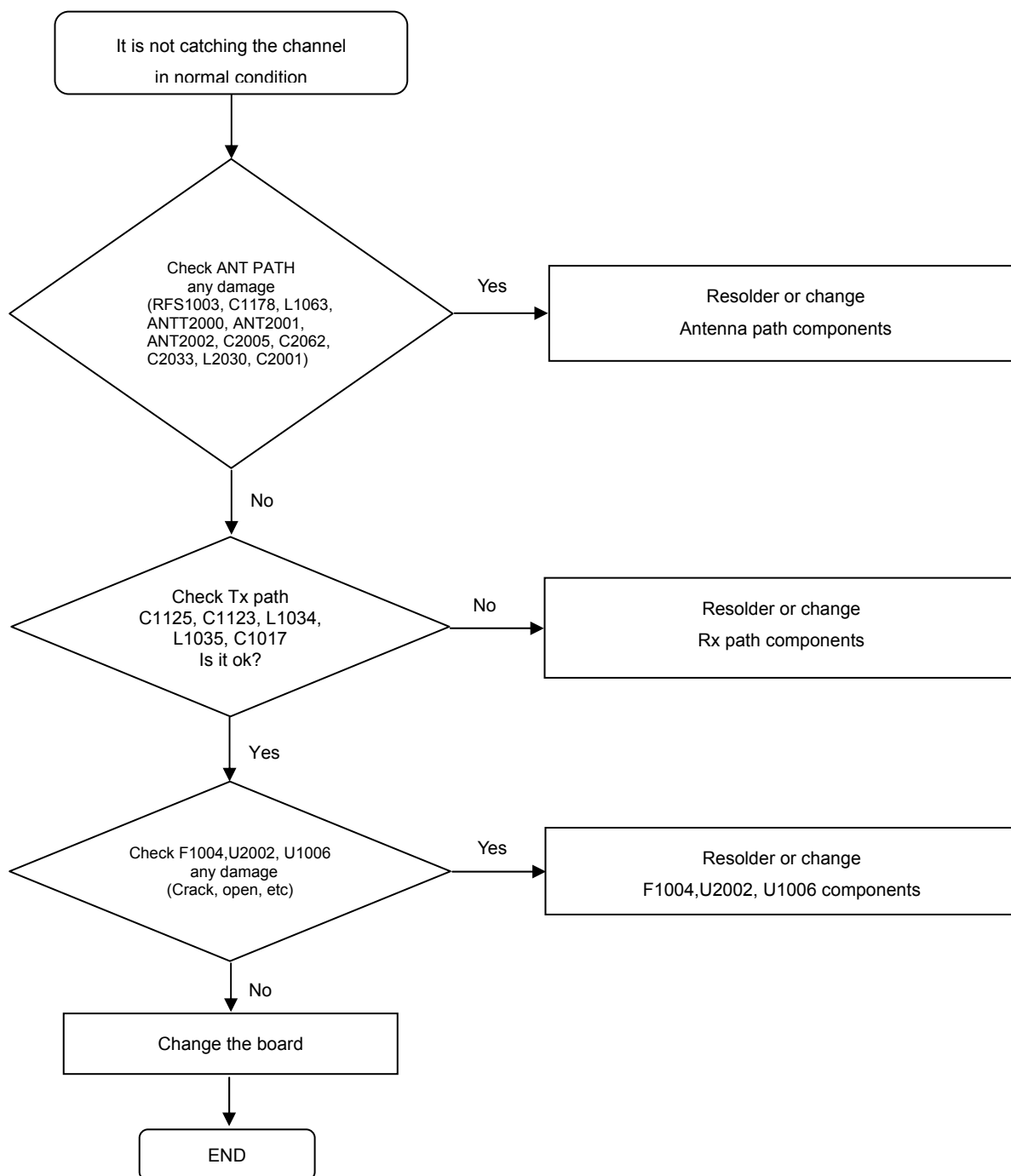
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### 8-4-22. GSM 850 / GSM 900 TX



## 8. Level 3 Repair

### 8-4-23. GSM 1800 / GSM 1900 TX

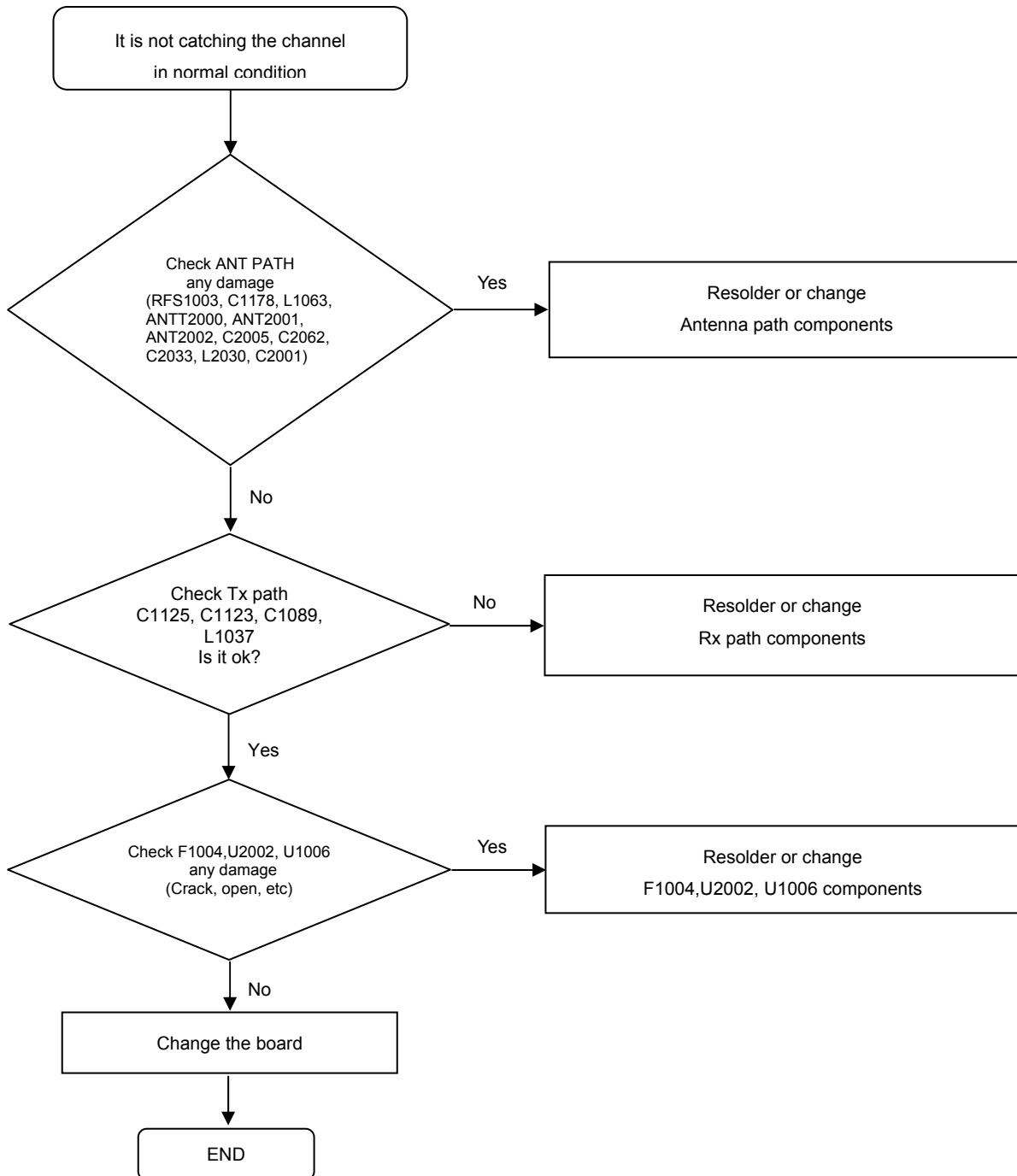


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## 8. Level 3 Repair

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### 8-4-24. WCDMA 2100 / LTE B1 TX

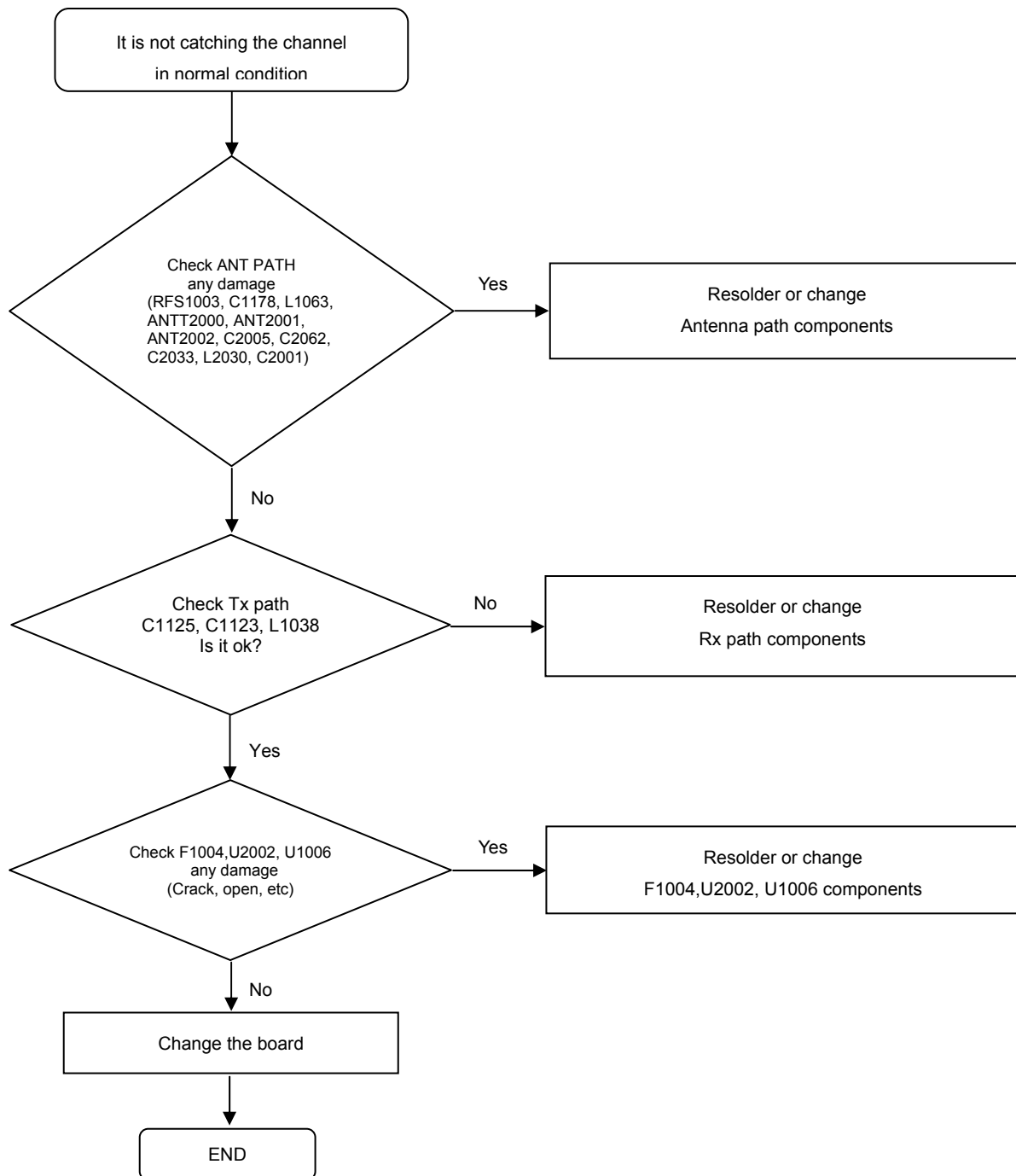


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## 8. Level 3 Repair

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### 8-4-25. WCDMA 1900 TX

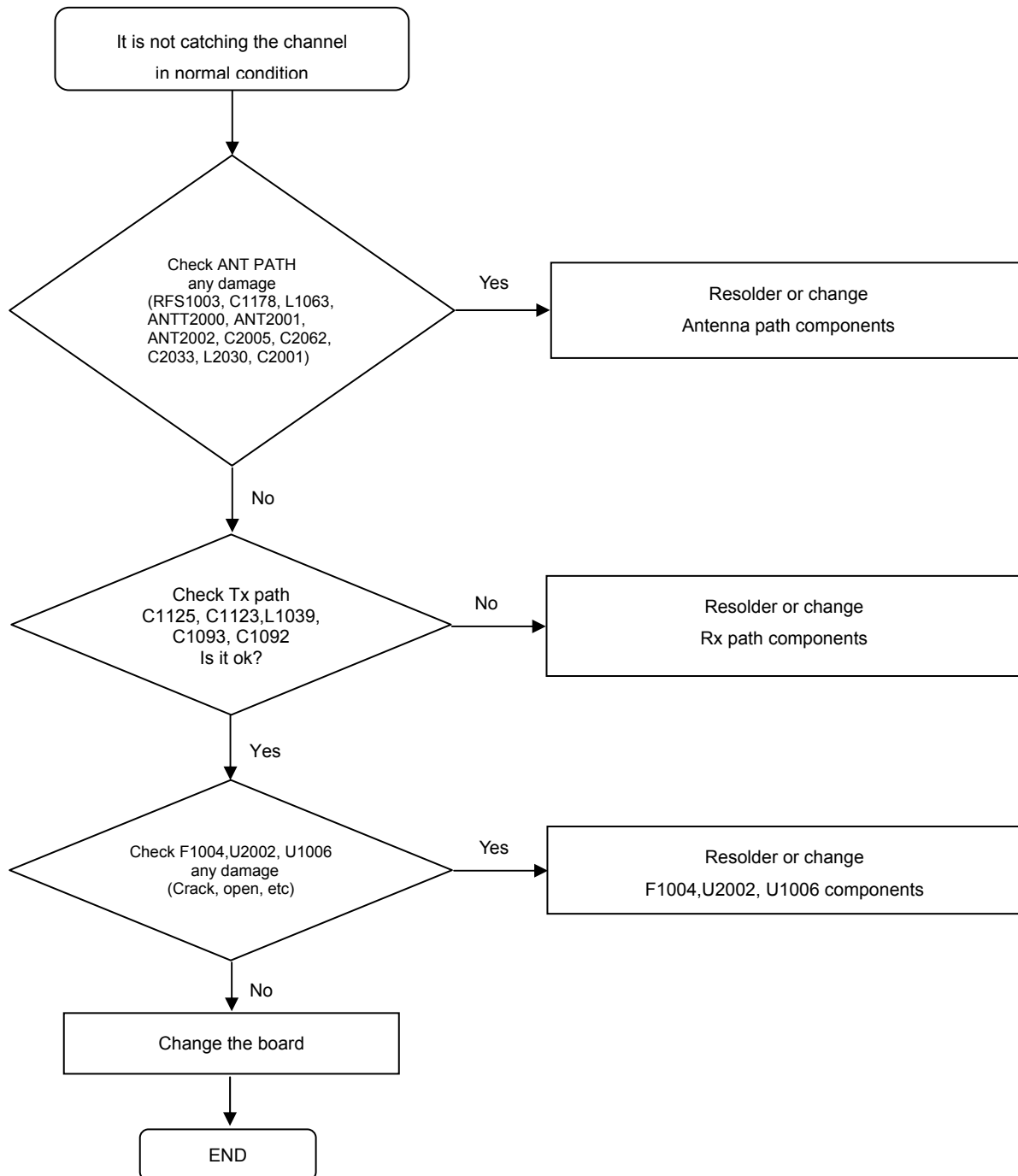


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## 8. Level 3 Repair

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### 8-4-26. LTE B3 TX

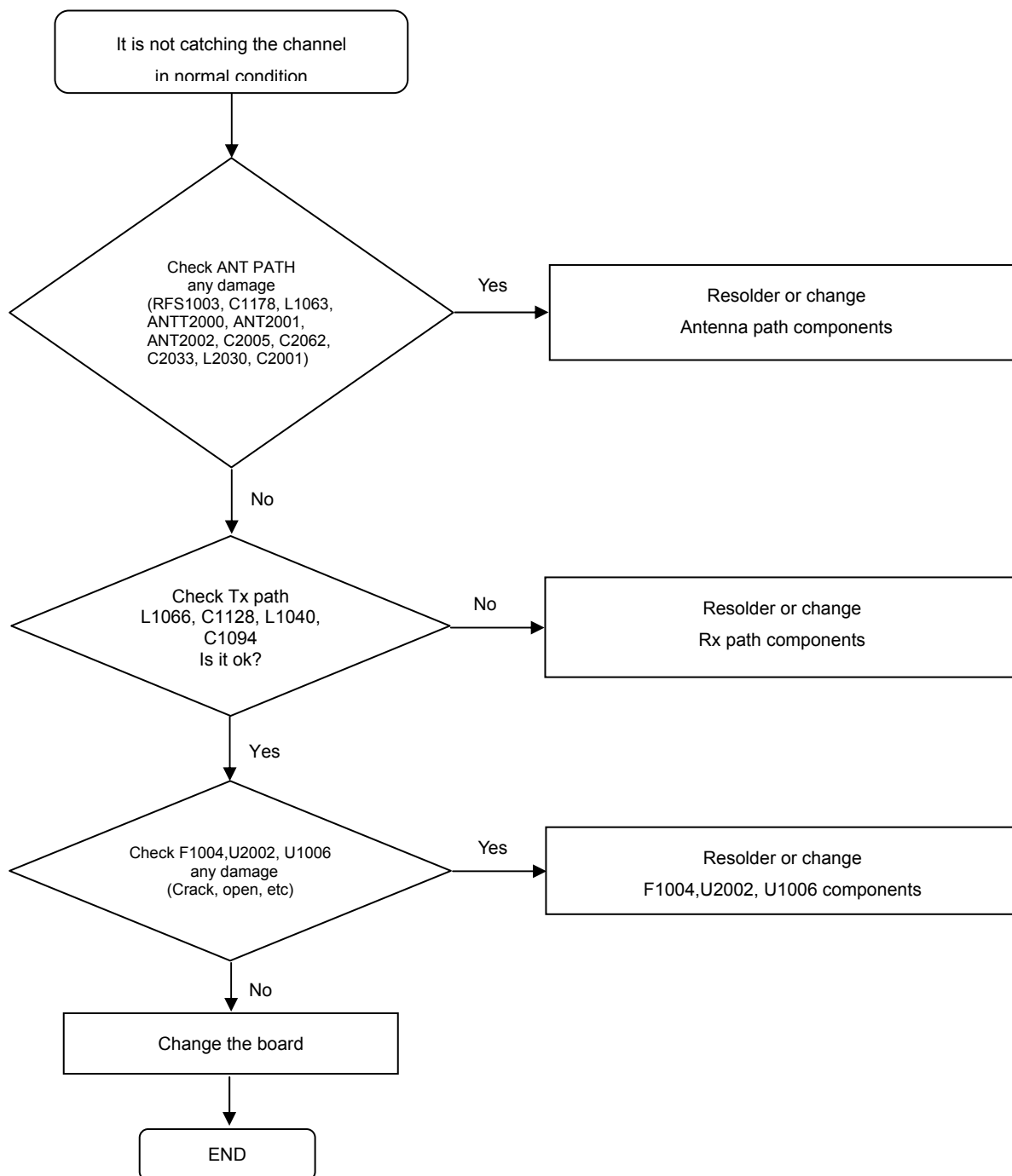


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## 8. Level 3 Repair

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8-4-27. WCDMA 850 / LTE B5 TX

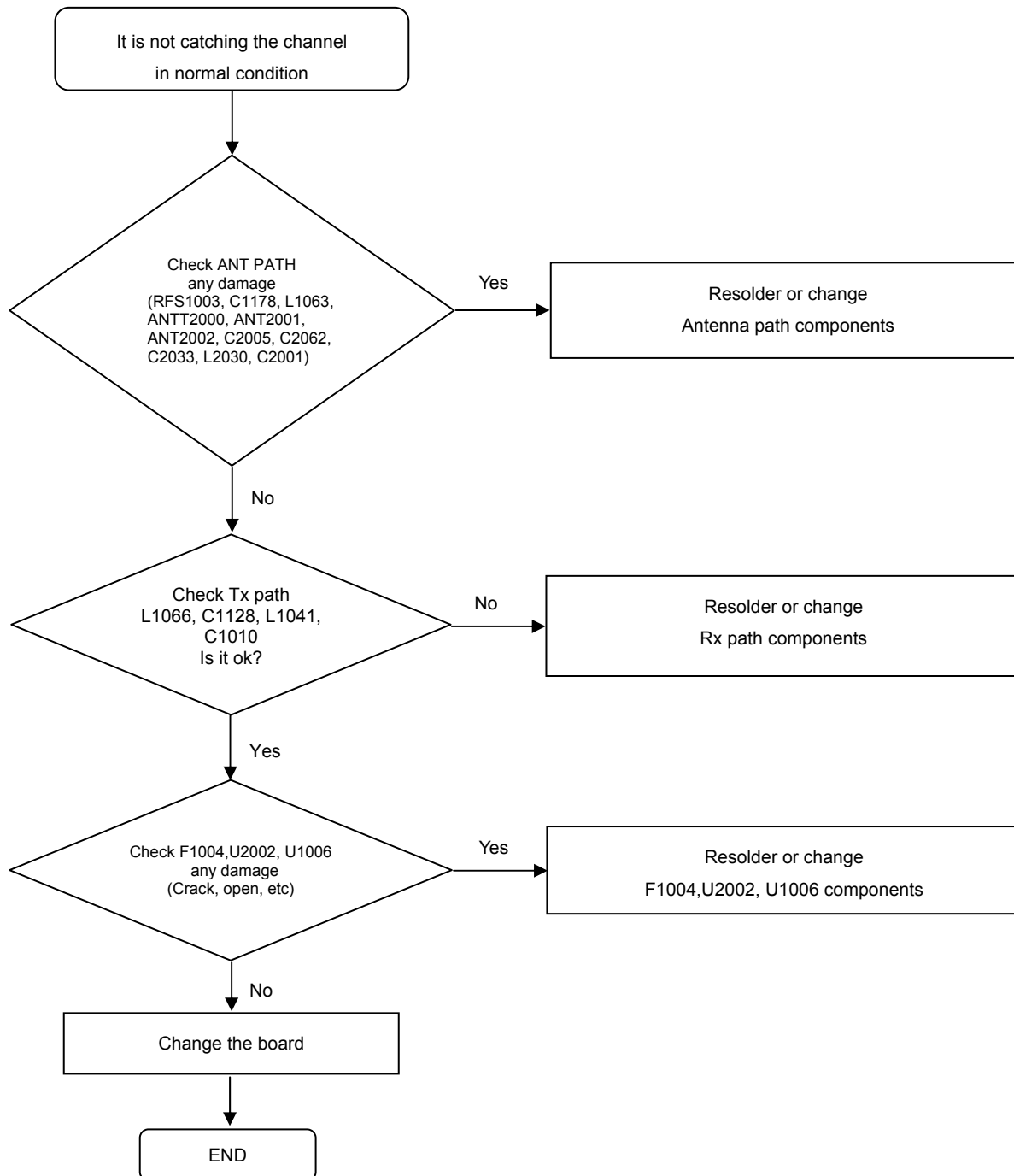


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## 8. Level 3 Repair

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### 8-4-28. WCDMA 900 / LTE B8 TX



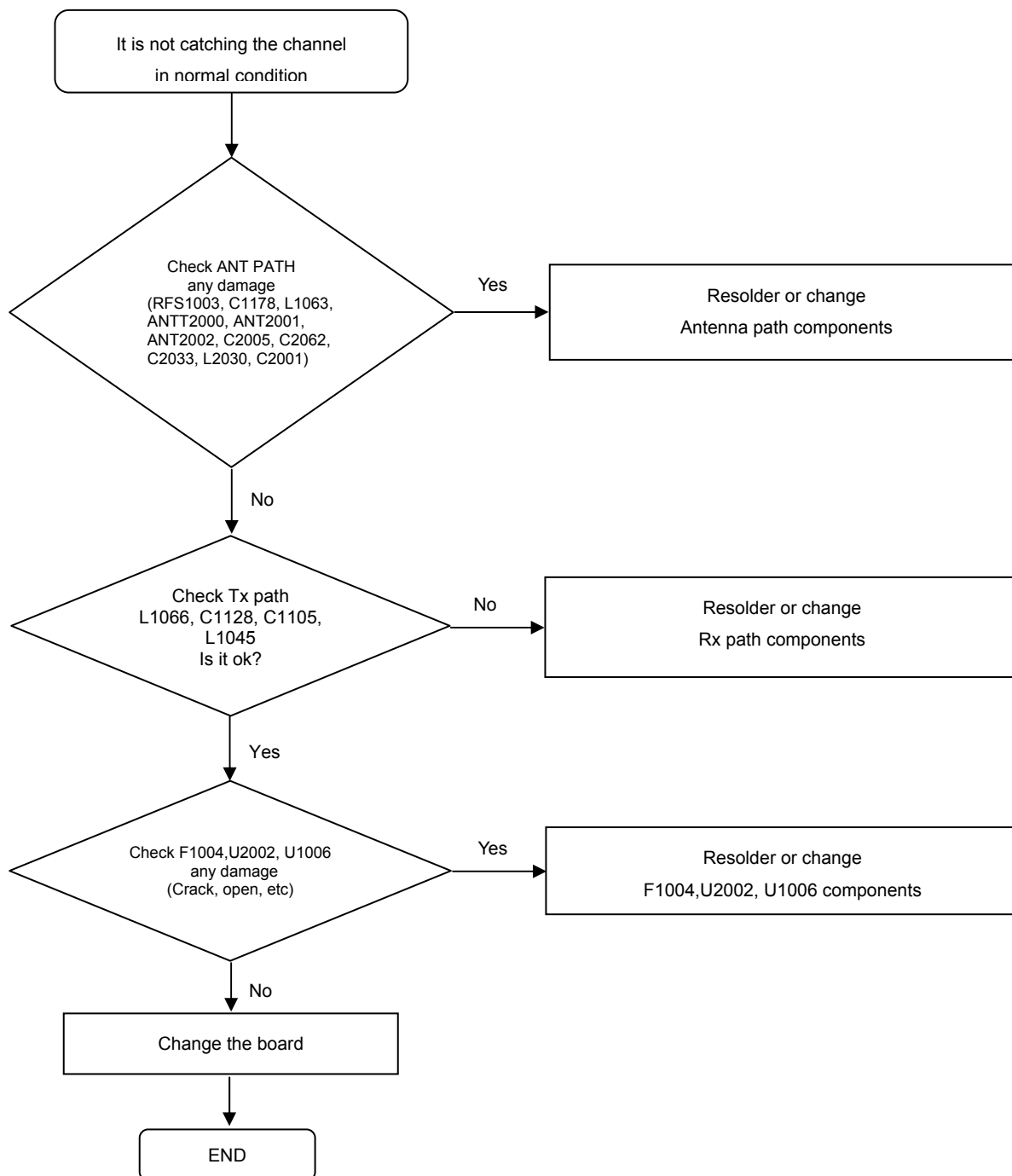


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## 8. Level 3 Repair

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### 8-4-29. LTE B20 TX

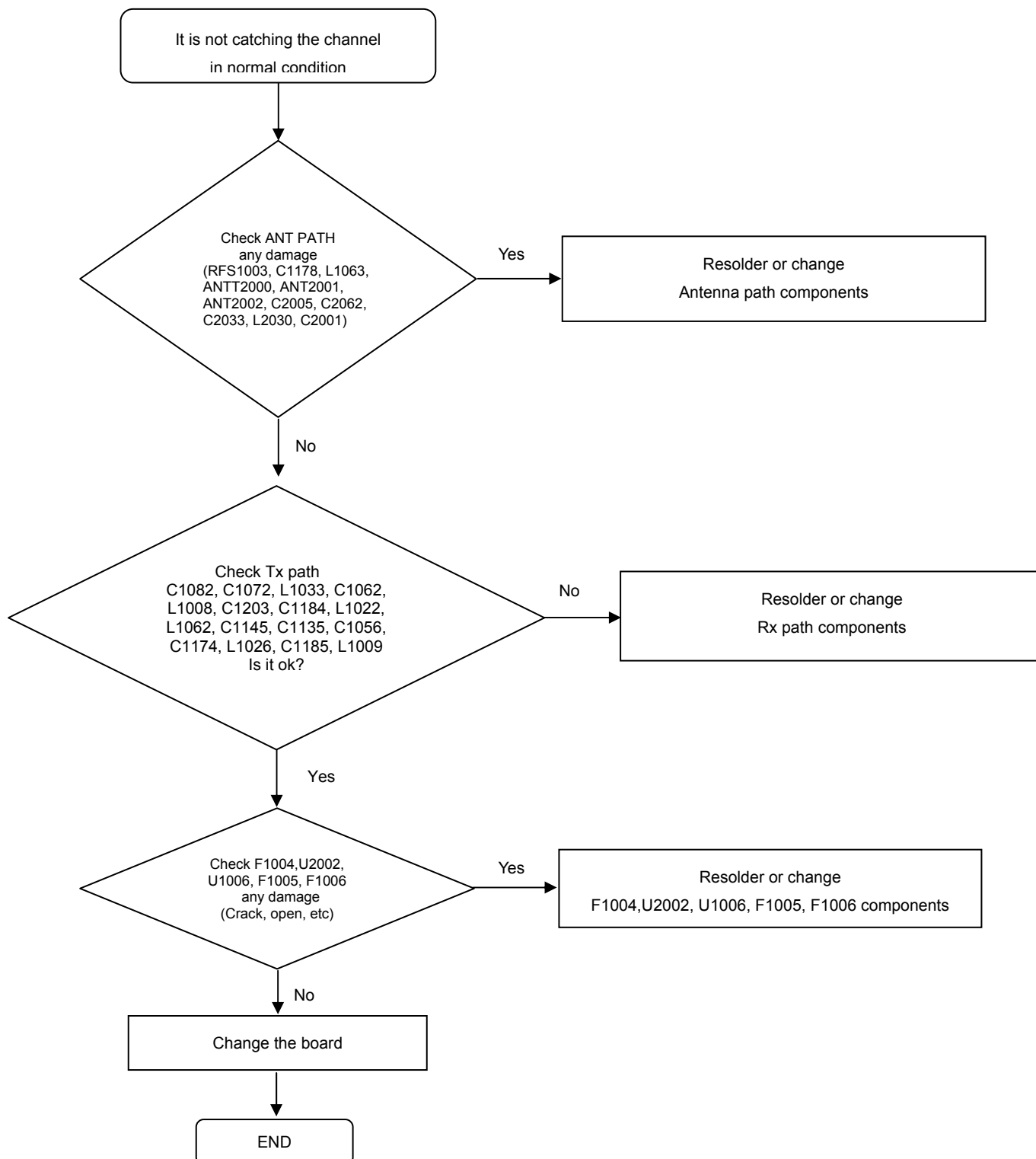


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## 8. Level 3 Repair

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### 8-4-30. LTE B7 B40 TX

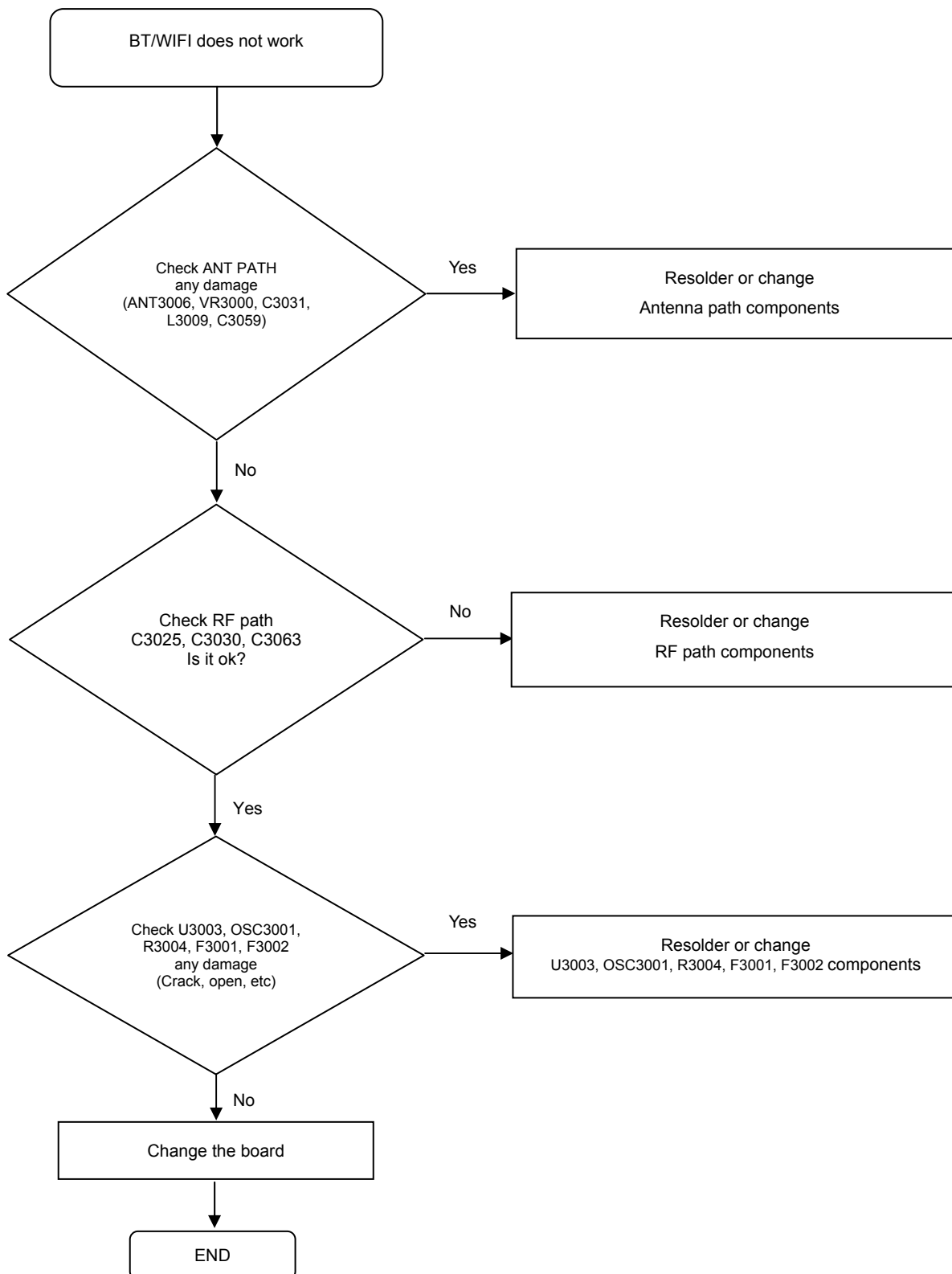


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## 8. Level 3 Repair

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### 8-4-31. BT/WLAN

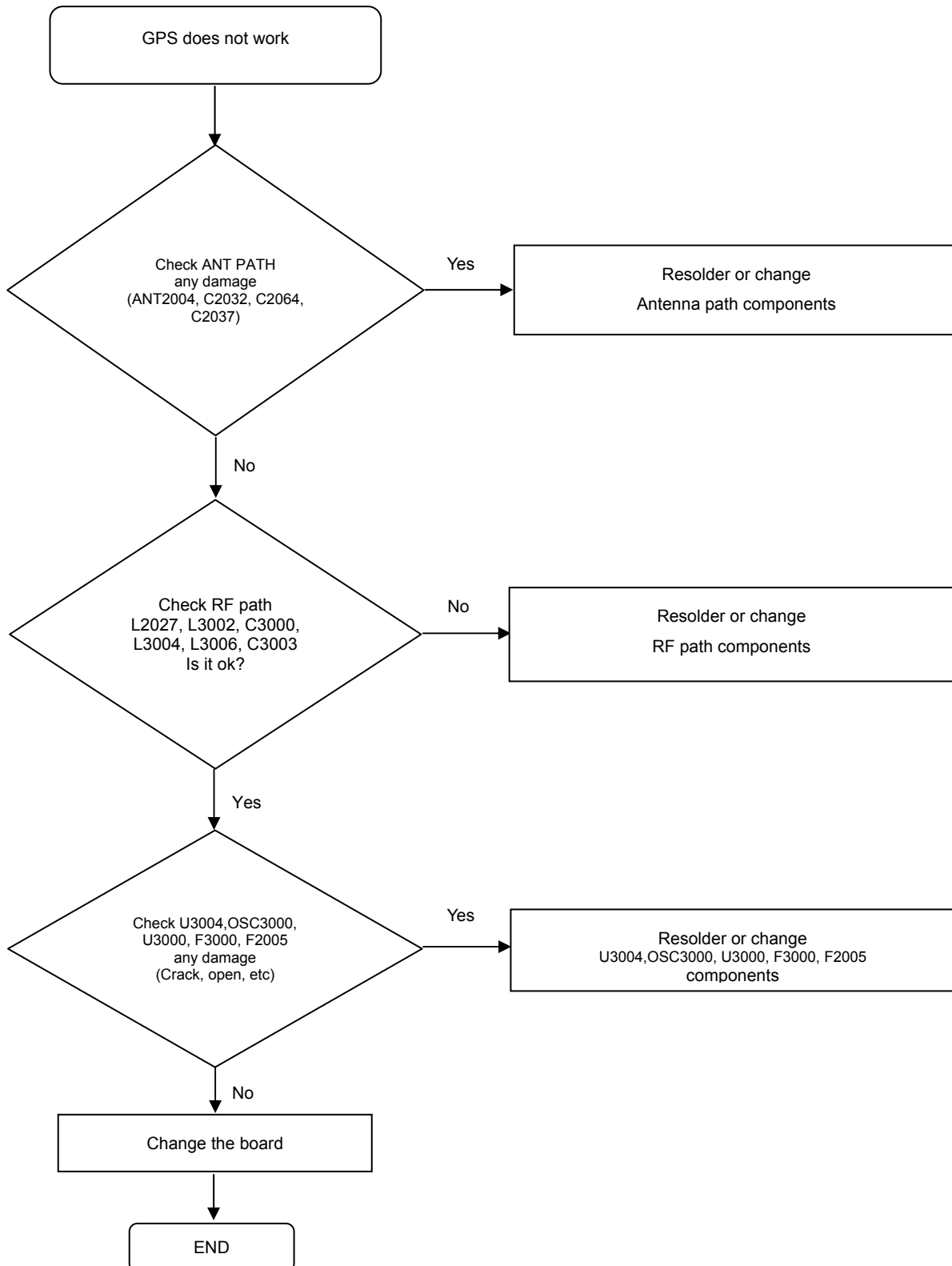


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## 8. Level 3 Repair

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### 8-4-32. GPS

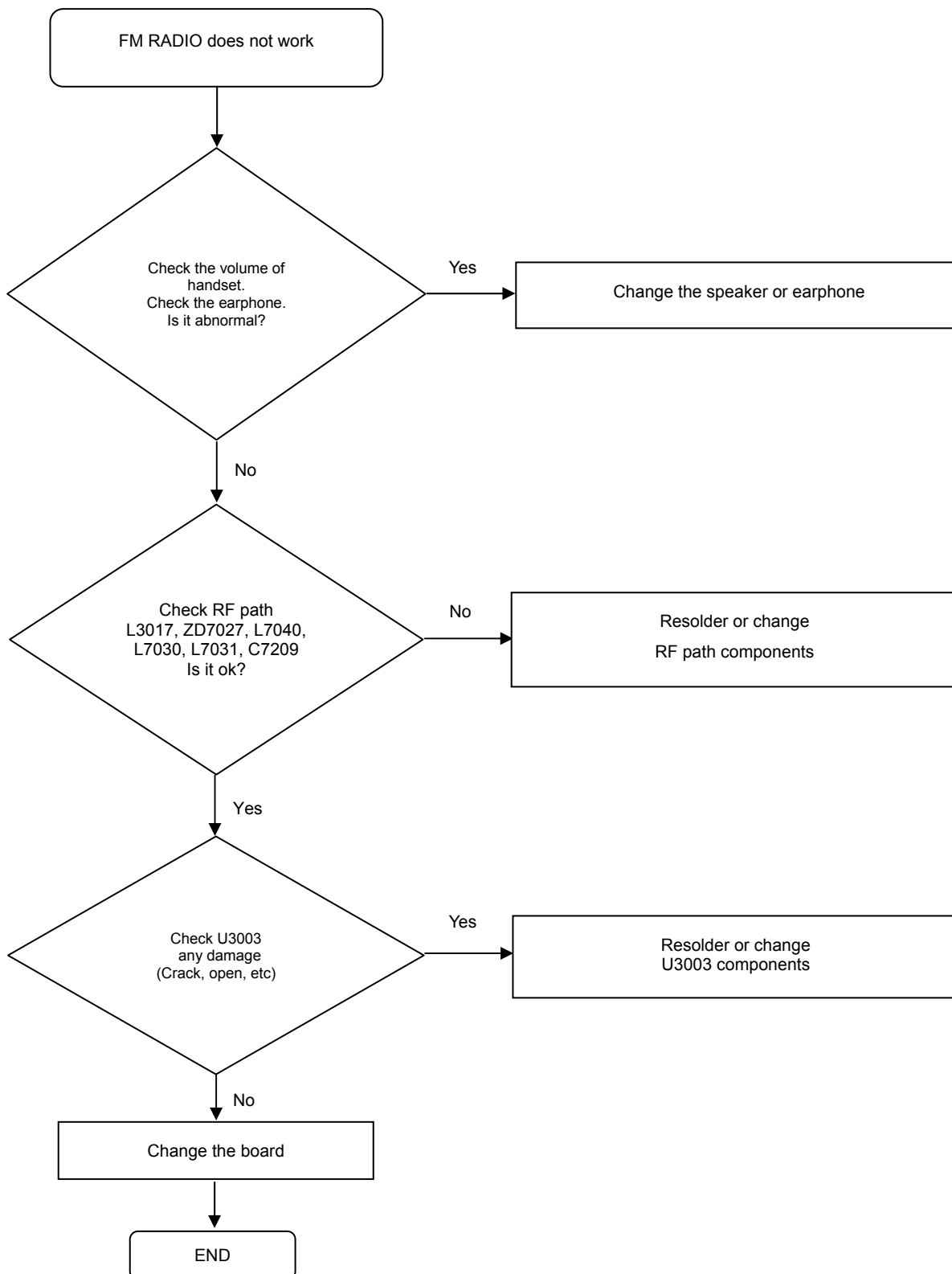


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## 8. Level 3 Repair

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### 8-4-33. FM RADIO



### 8-5. Service Schematics

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## 8. Level 3 Repair

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### - NC Point(Top View)

UCP400 (AP)

NC : AT12

