

# SM-A910F/DS, BLOCK DIAGRAM

REV1.0

VIETMOBILE.VN

GSM/GPRS/EDGE 850  
Tx : 824.2 ~ 848.8Mhz  
Rx : 869.2 ~ 893.8Mhz

GSM/GPRS/EDGE 1900  
Tx : 1850.2 ~ 1909.8Mhz  
Rx : 1930.2 ~ 1989.8Mhz

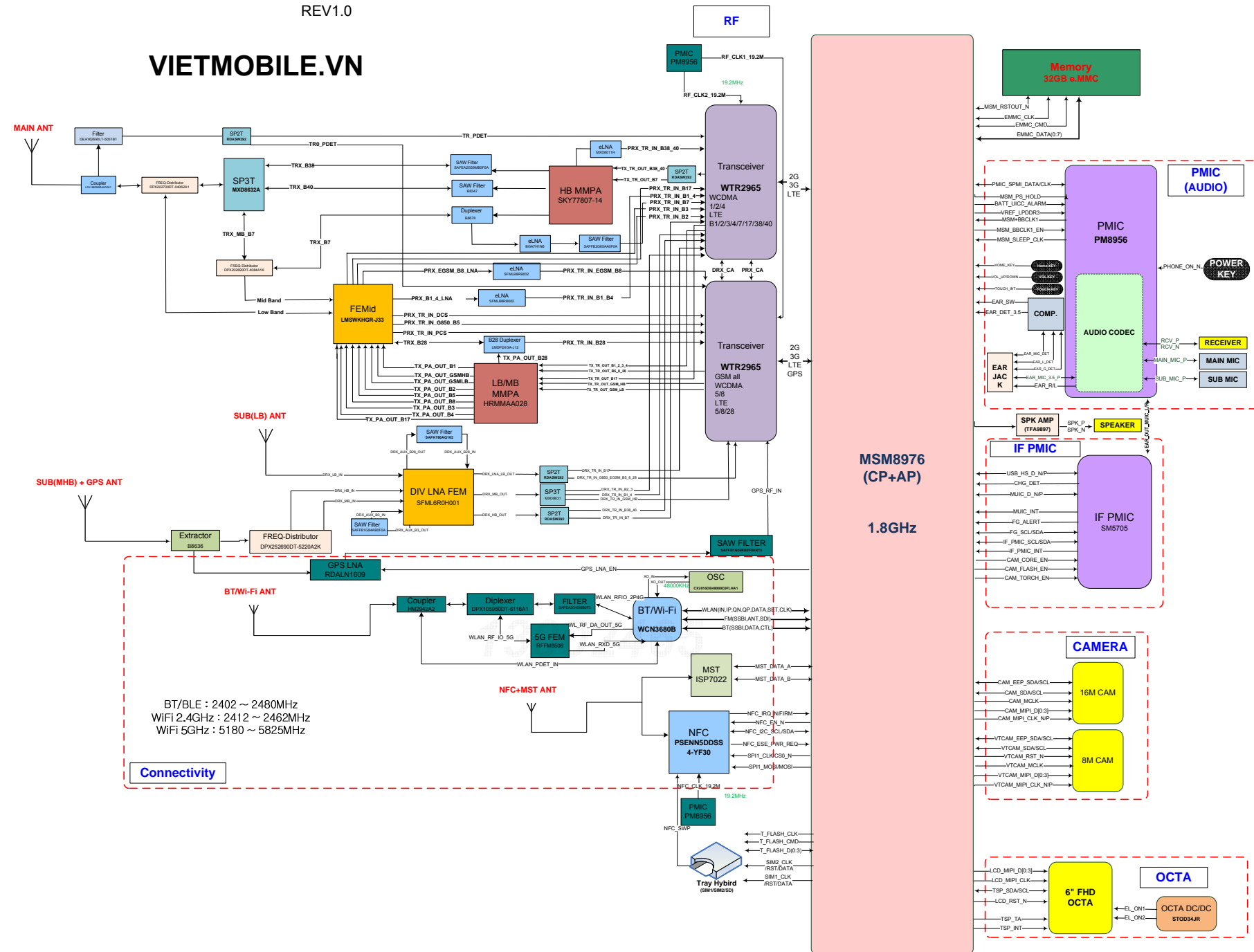
WCDMA B2, LTE B2  
Tx : 1850 ~ 1910 Mhz  
Rx : 1930 ~ 1990 Mhz

WCDMA B4, LTE B4  
Tx : 1710 ~ 1755 Mhz  
Rx : 2110 ~ 2155 Mhz

WCDMA B5, LTE B5  
Tx : 824 ~ 849 Mhz  
Rx : 869 ~ 894 Mhz

LTE B17  
Tx 704 ~ 716 Mhz  
Rx 834 ~ 746 Mhz

BT/BLE : 2402 ~ 2480Mhz  
Wifi 2.4GHz : 2412 ~ 2462Mhz  
Wifi 5GHz : 5180 ~ 5825Mhz



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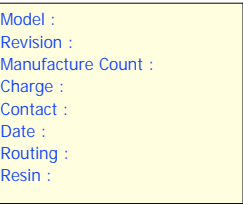
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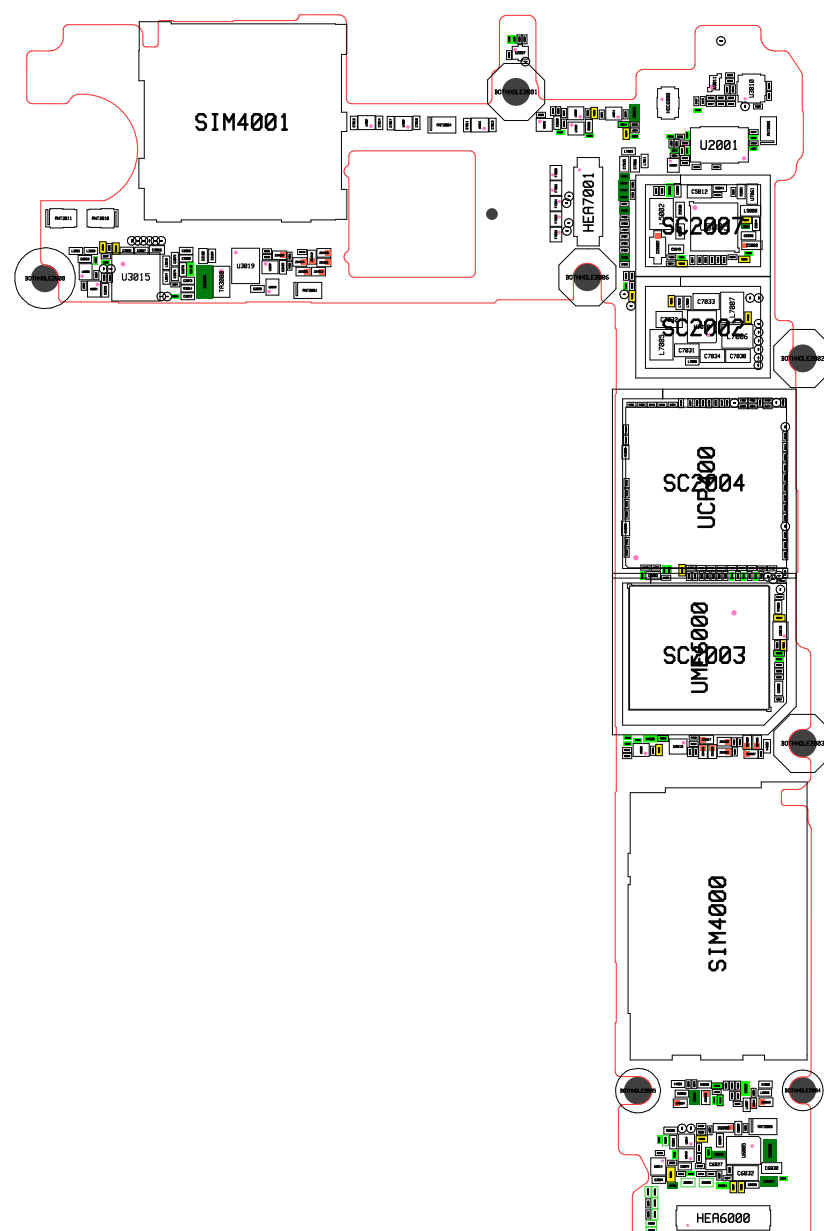
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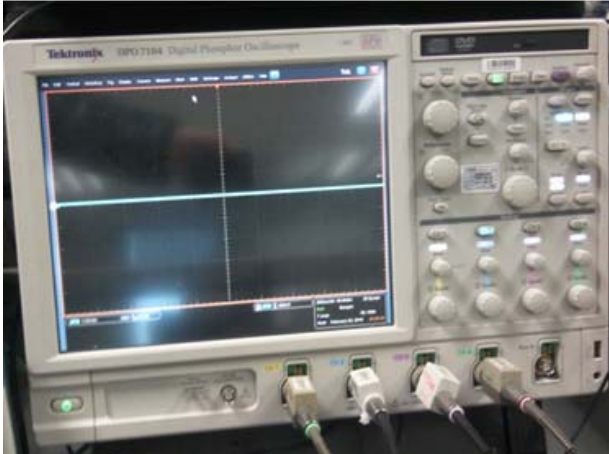



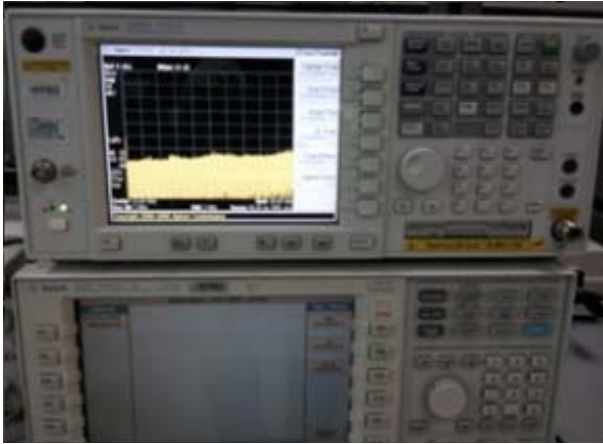



VX\_Setup(2016-01-20)\_HHP

[illegible]

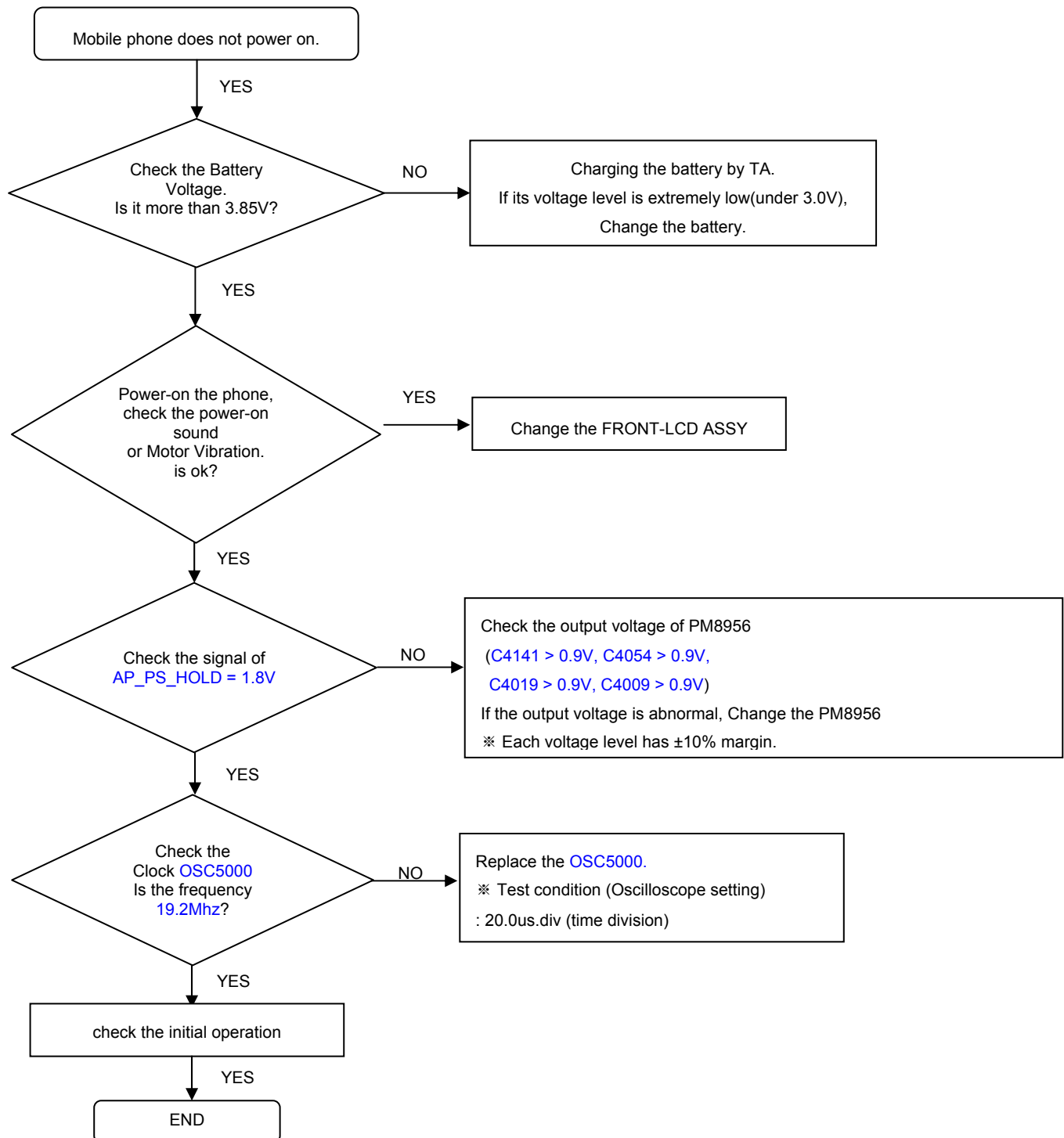
## 8. Level 3 Repair

### 8-3. Flow Chart of Troubleshooting

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

## 8. Level 3 Repair

### 8-4-1. Power On

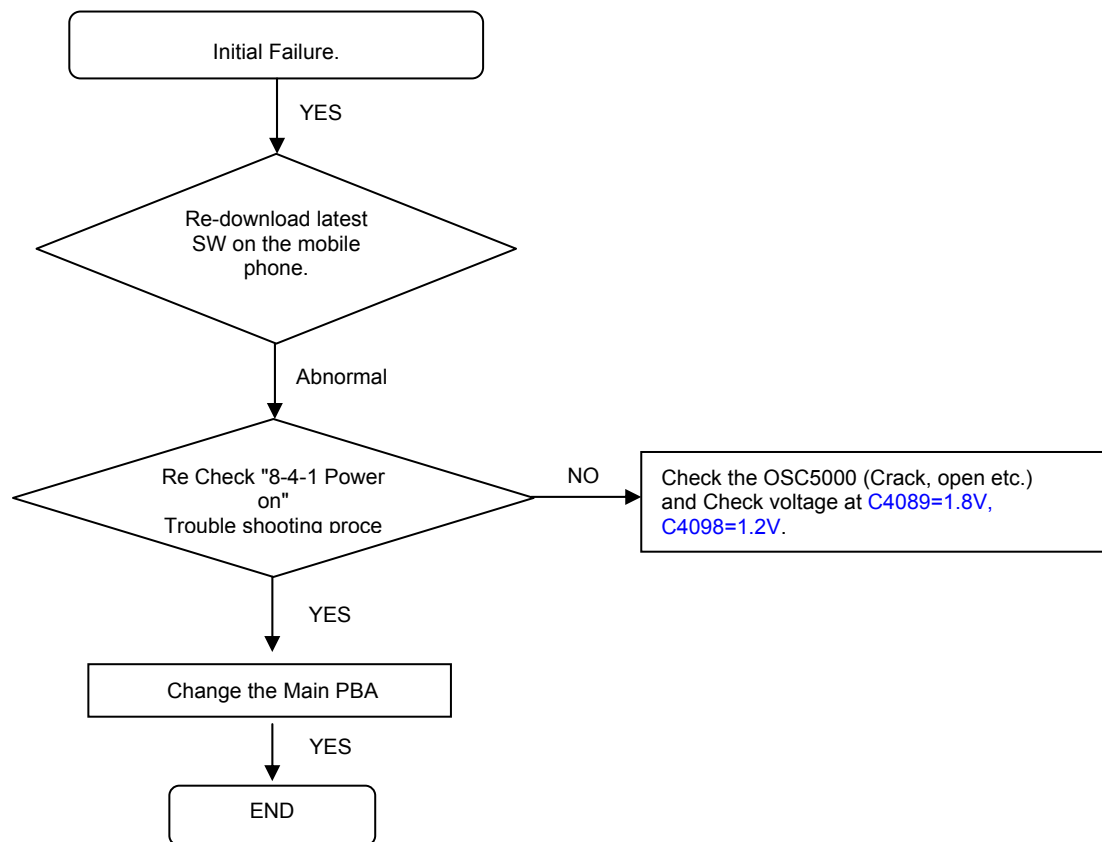


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## 8. Level 3 Repair

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### 8-4-2. Initial

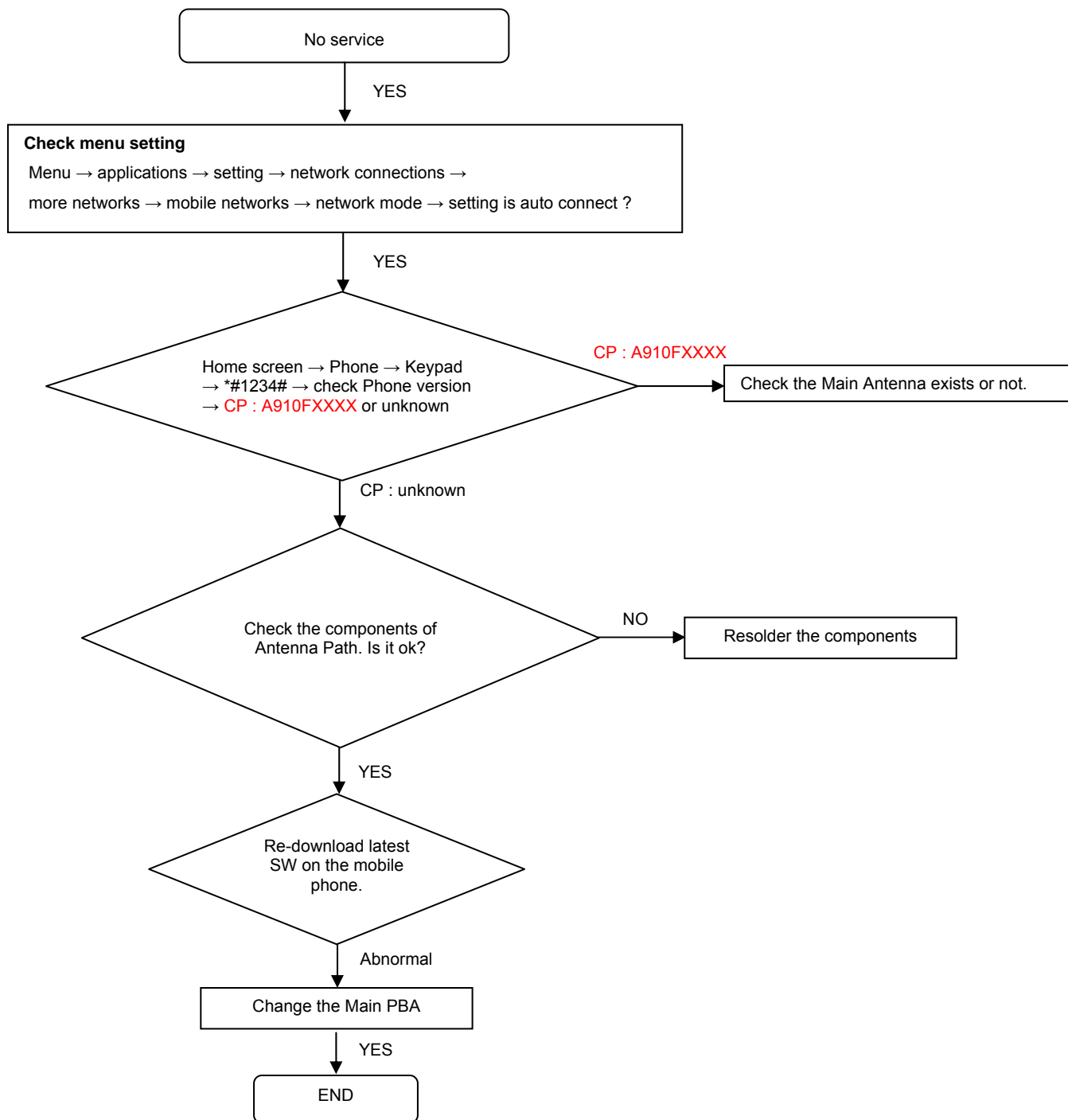


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## 8. Level 3 Repair

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### 8-4-3. No Service

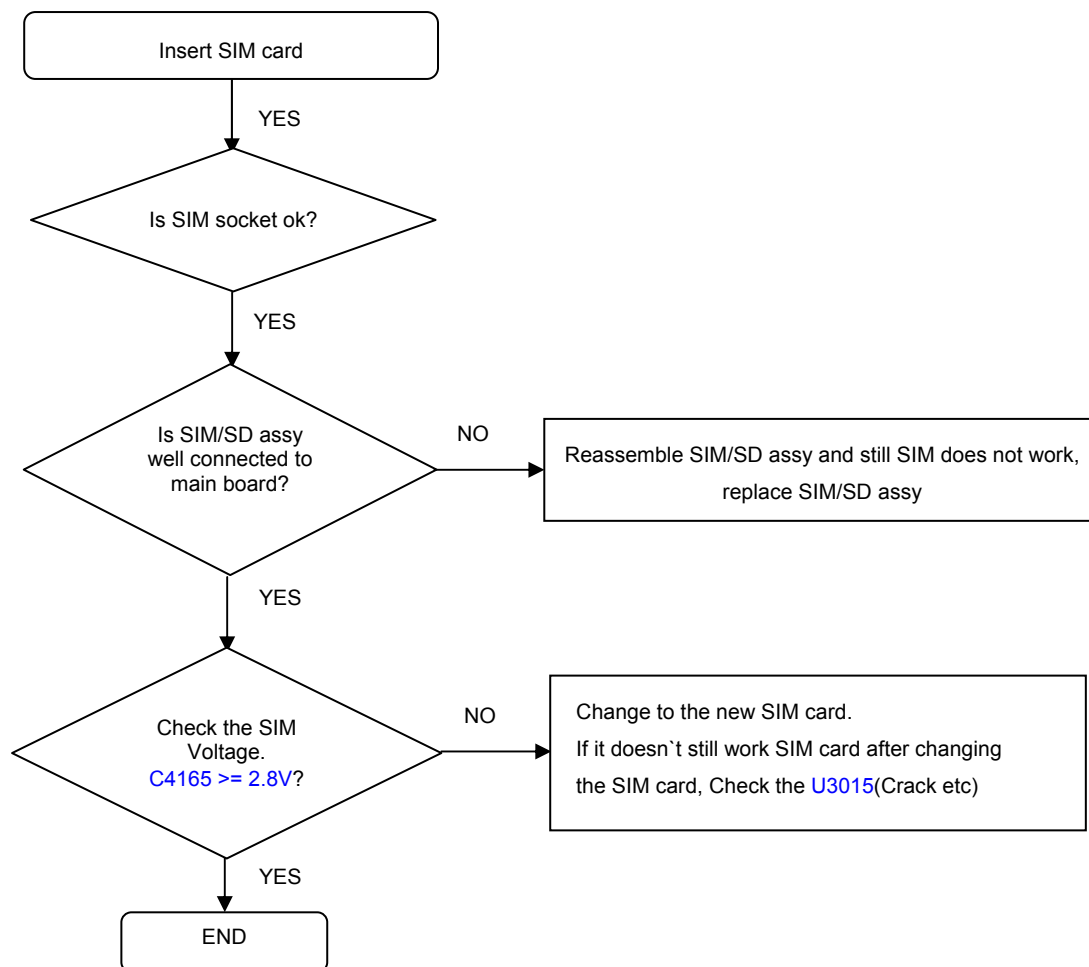


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## 8. Level 3 Repair

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### 8-4-4. Sim Part





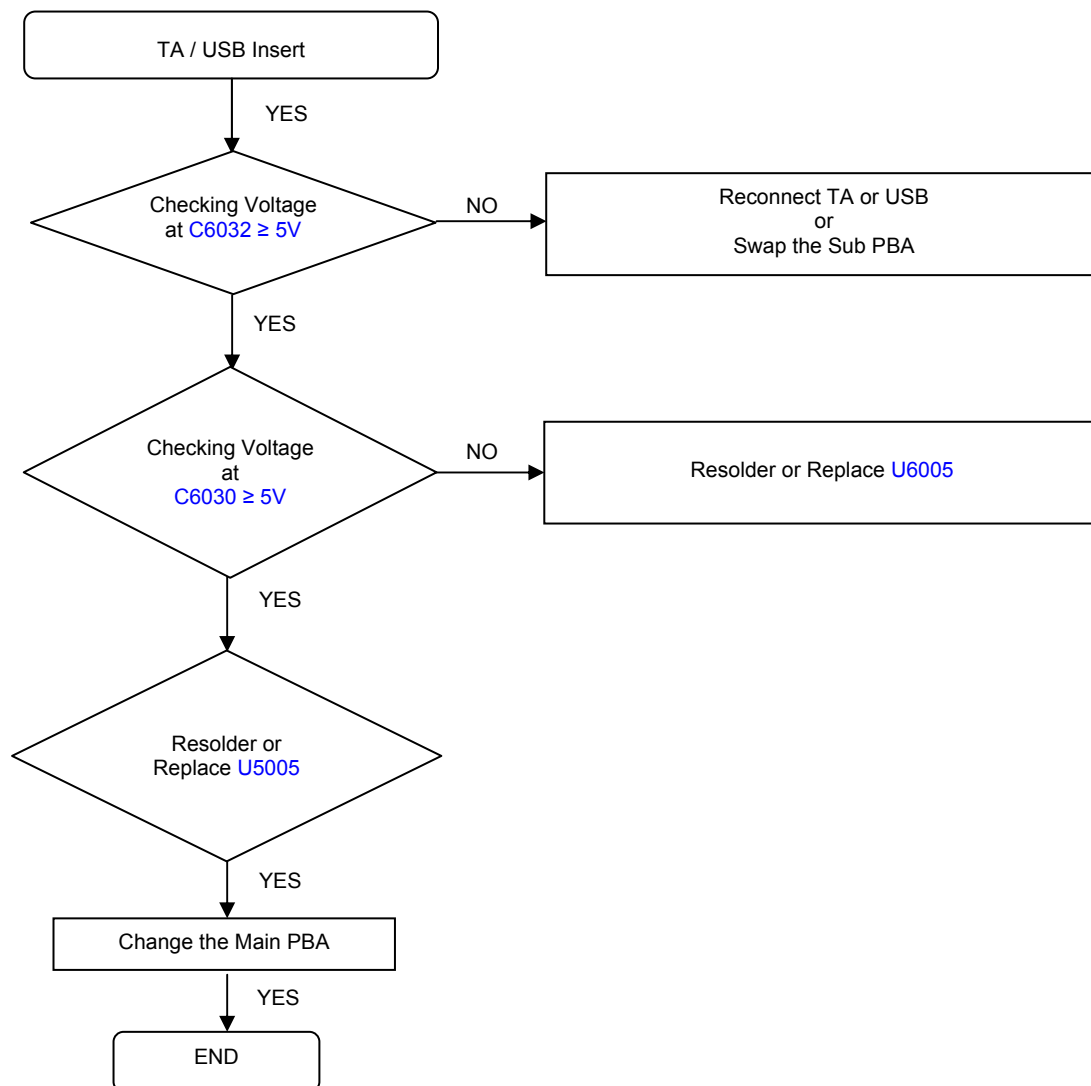
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## 8. Level 3 Repair

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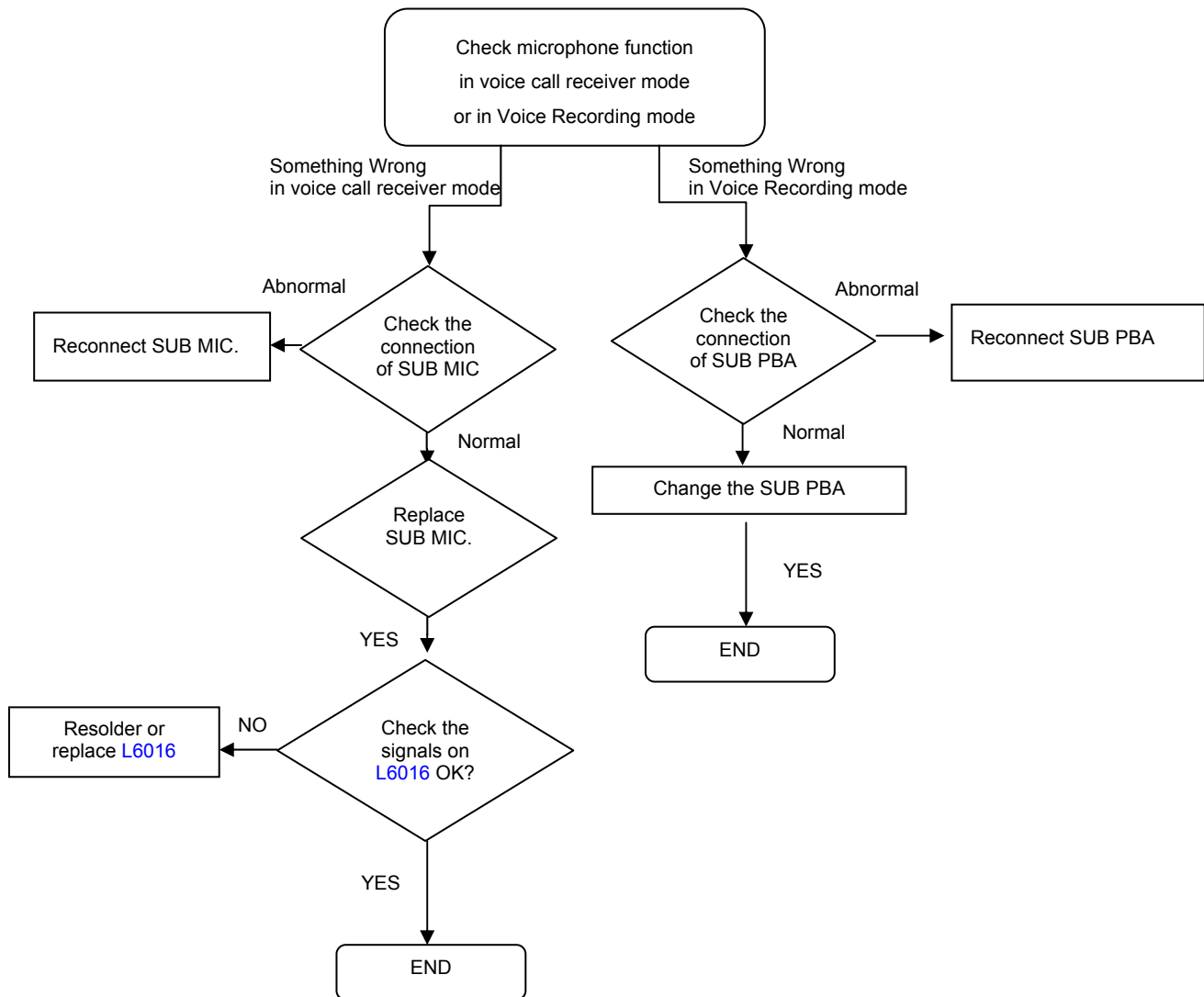
### 8-4-5. Charging Part

- First of all, Please check the battery status.



## 8. Level 3 Repair

### 8-4-6. Microphone Part

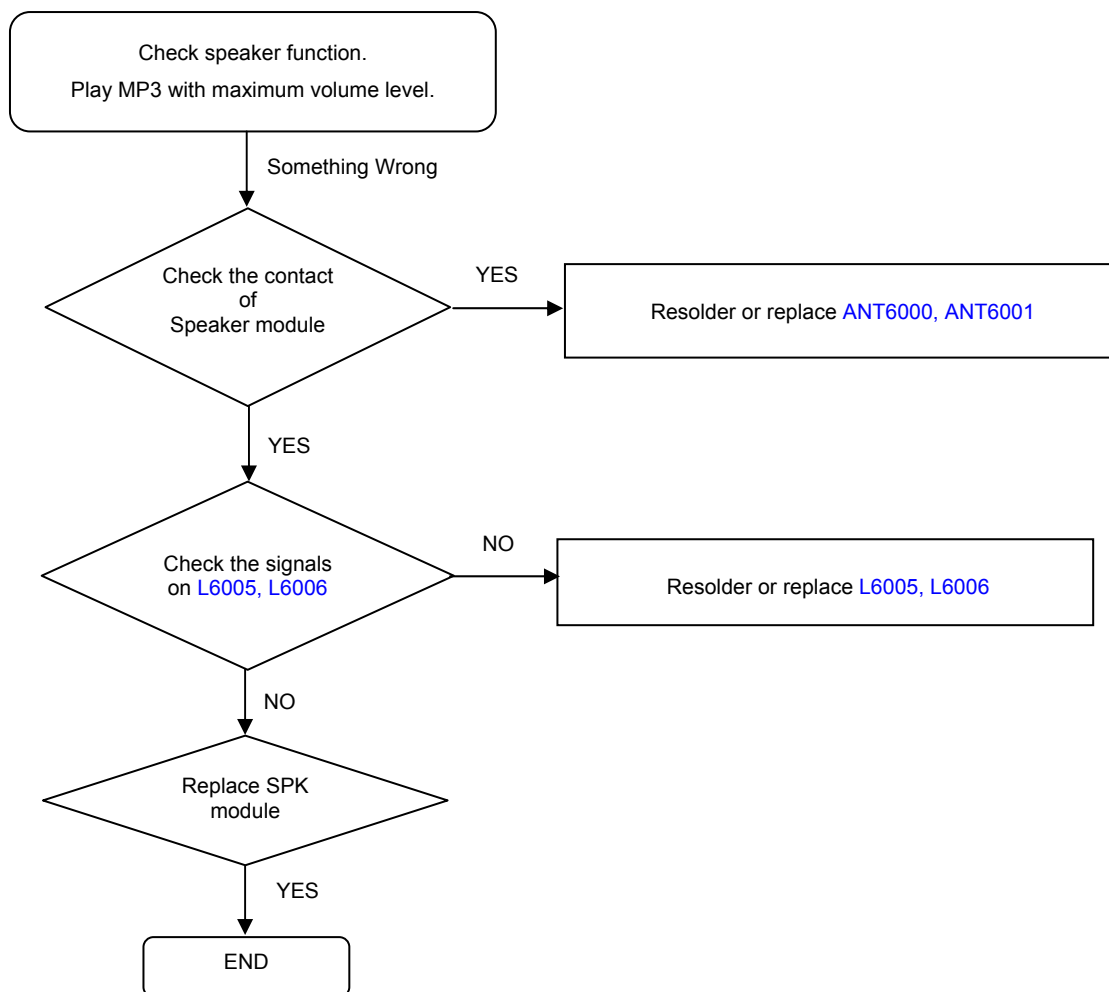


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## 8. Level 3 Repair

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### 8-4-7. Speaker Part

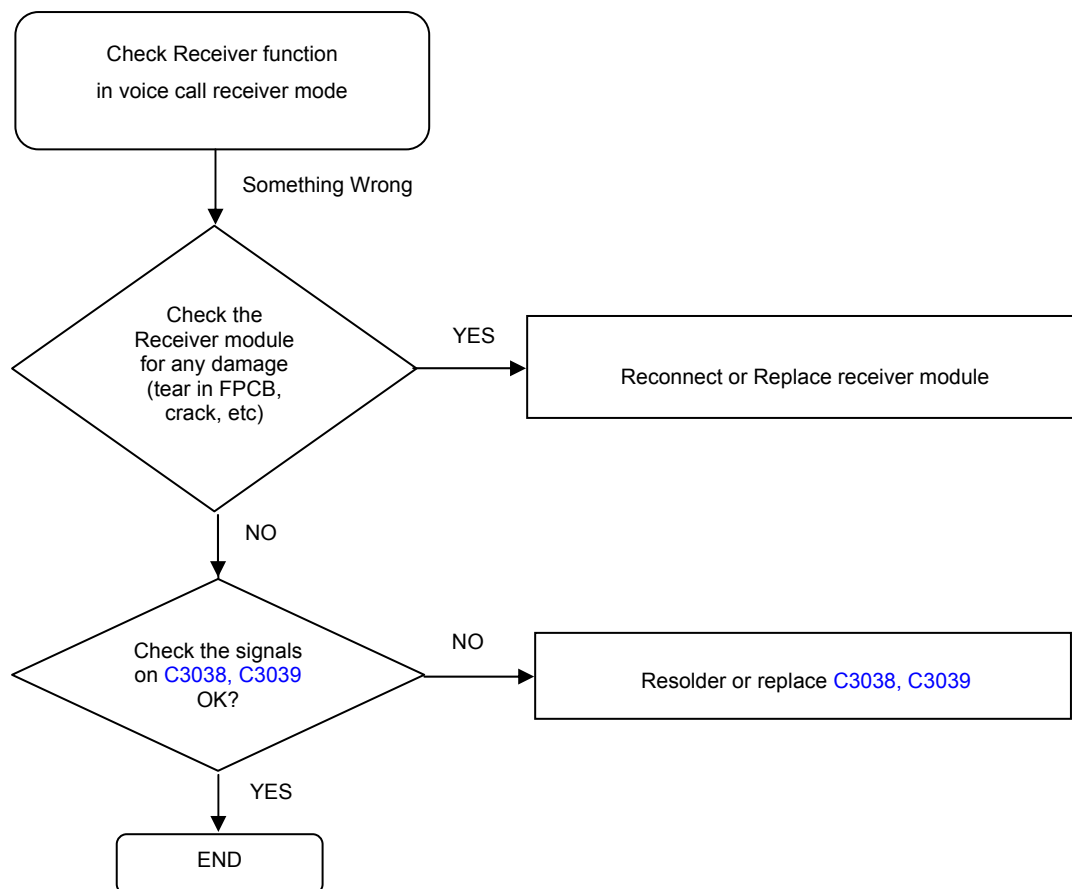


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## 8. Level 3 Repair

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### 8-4-8. Receiver Part

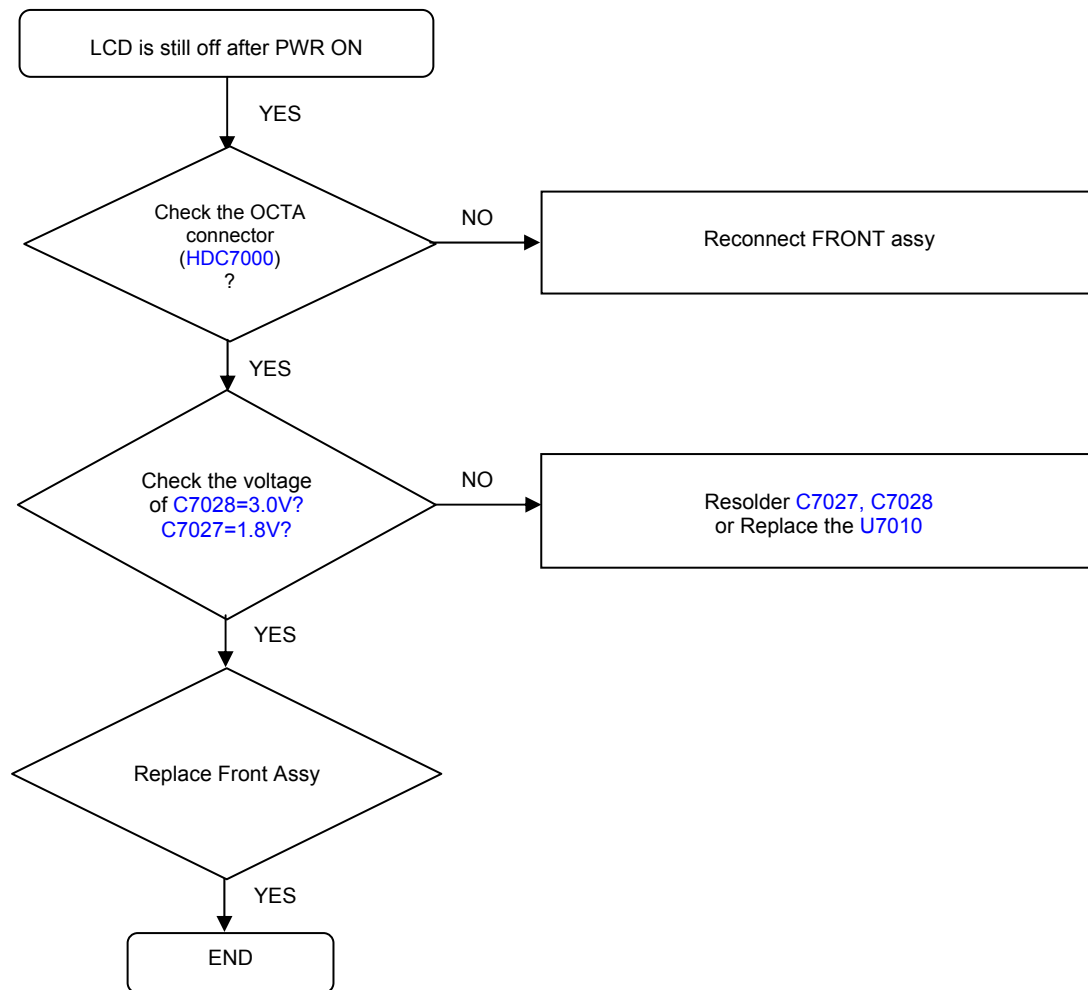


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## 8. Level 3 Repair

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### 8-4-9. OCTA

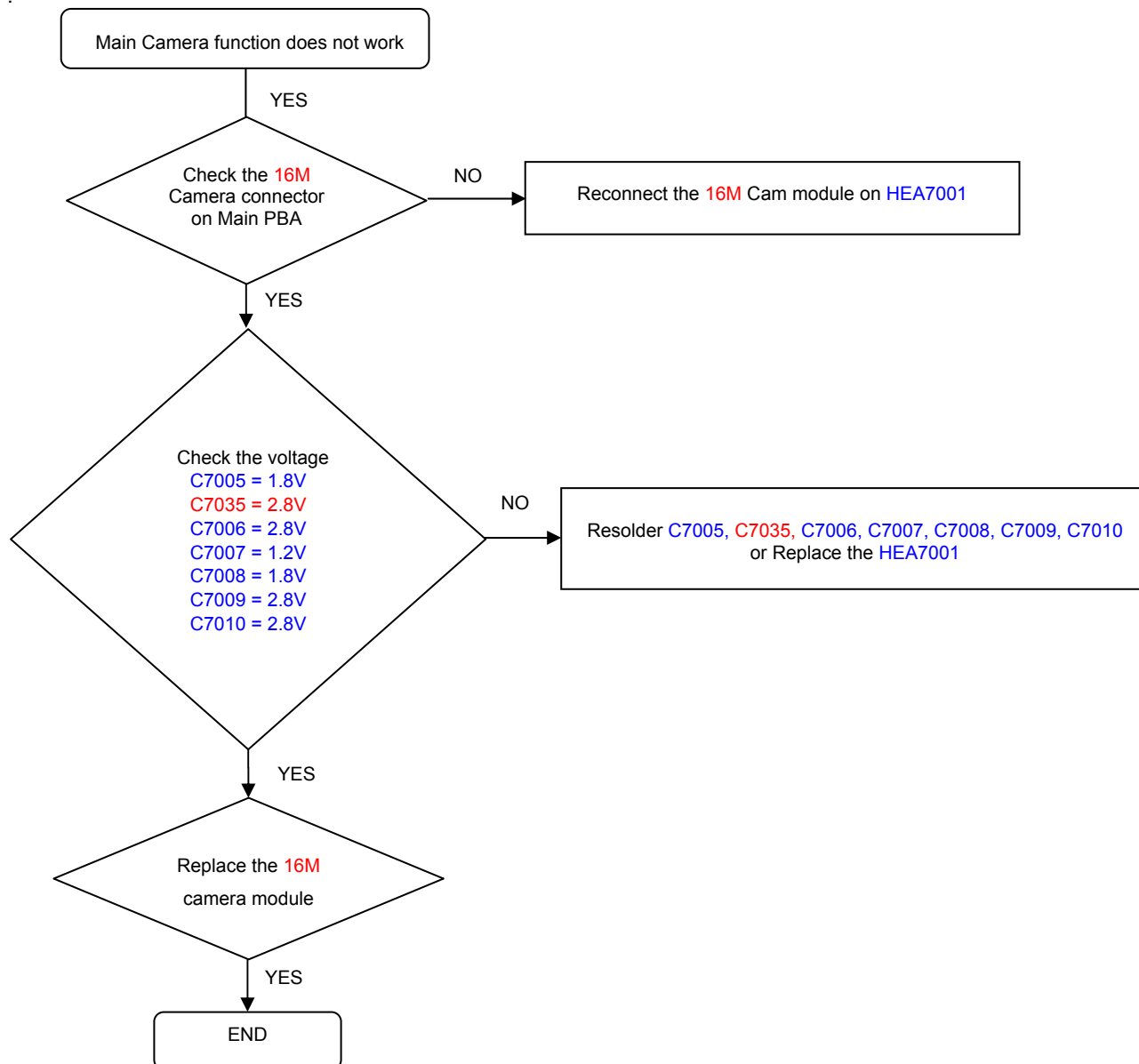


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## 8. Level 3 Repair

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### 8-4-10. 16M CAMERA

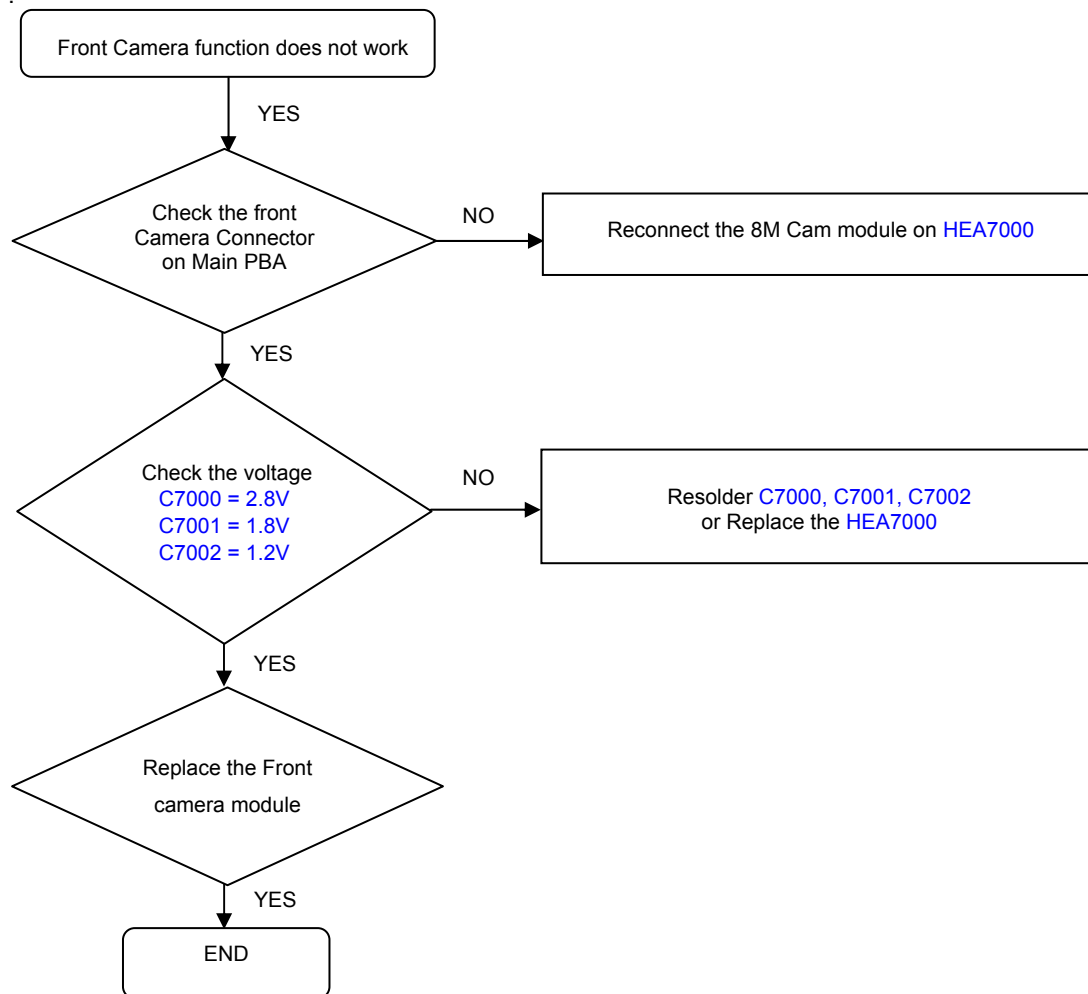


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## 8. Level 3 Repair

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### 8-4-11. 8M CAMERA

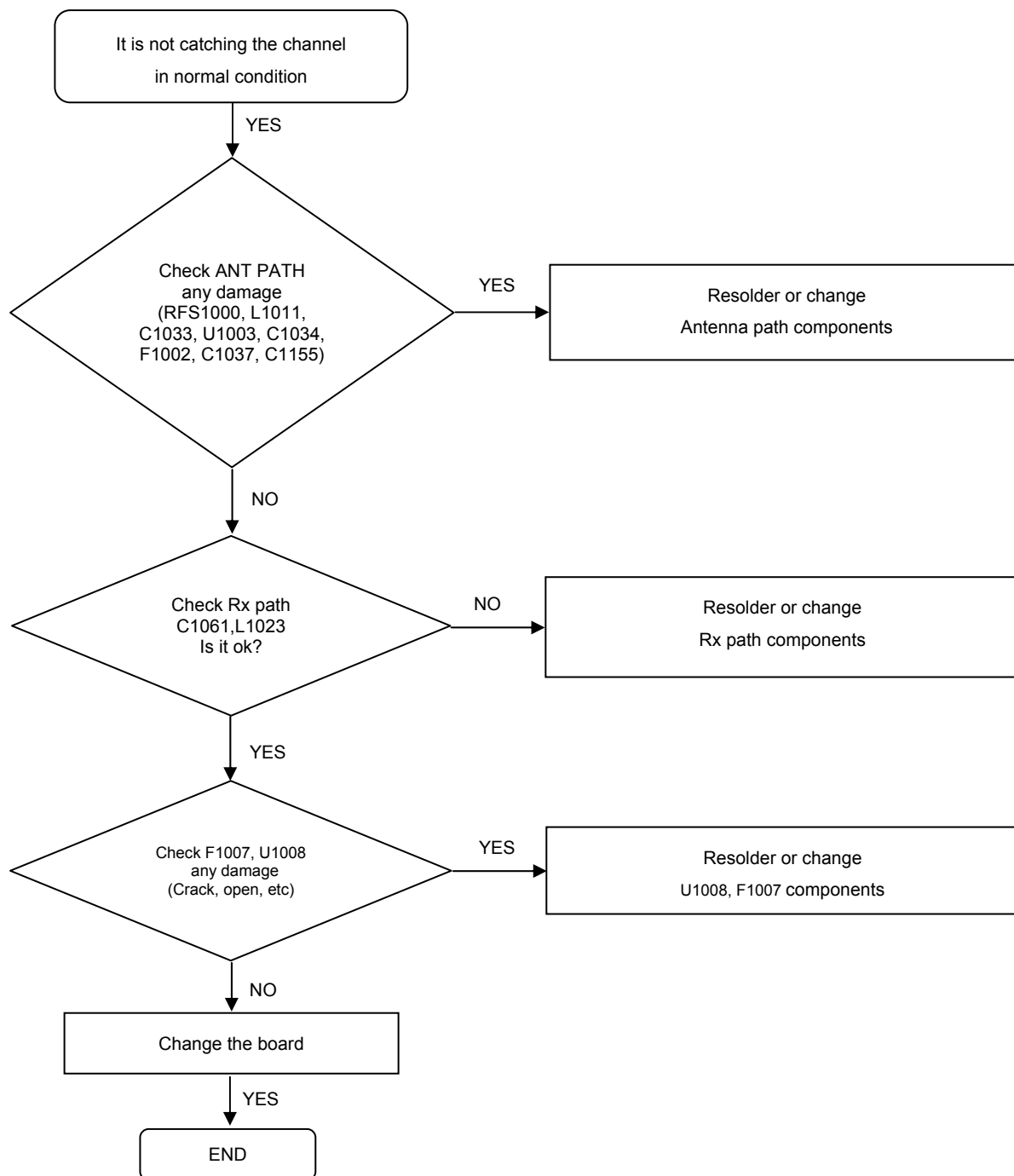


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## 8. Level 3 Repair

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### 8-4-12. GSM 850 / WCDMA 5 / LTE B5 RX



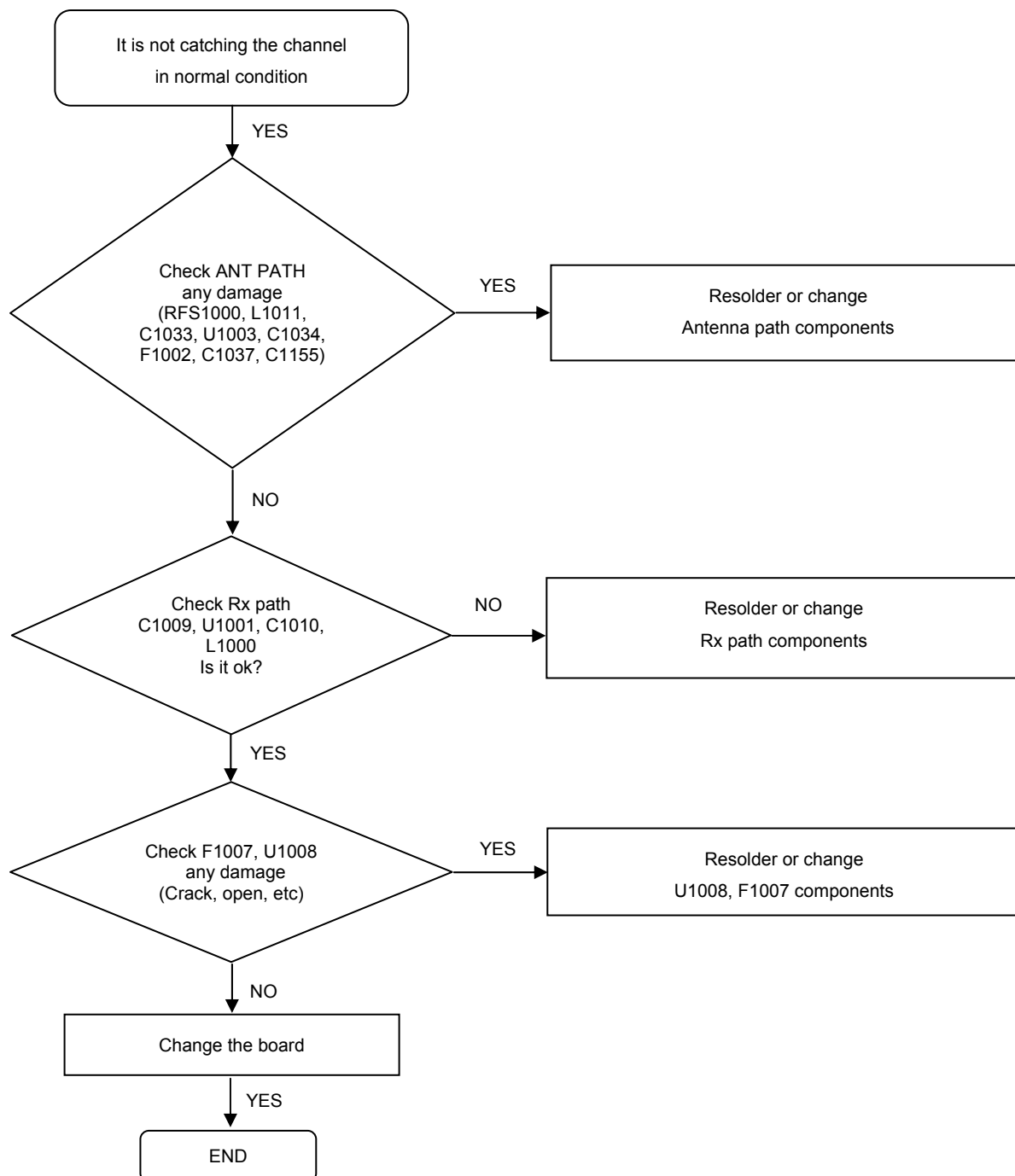


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## 8. Level 3 Repair

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### 8-4-13. GSM 900 / WCDMA 8 / LTE B8 RX

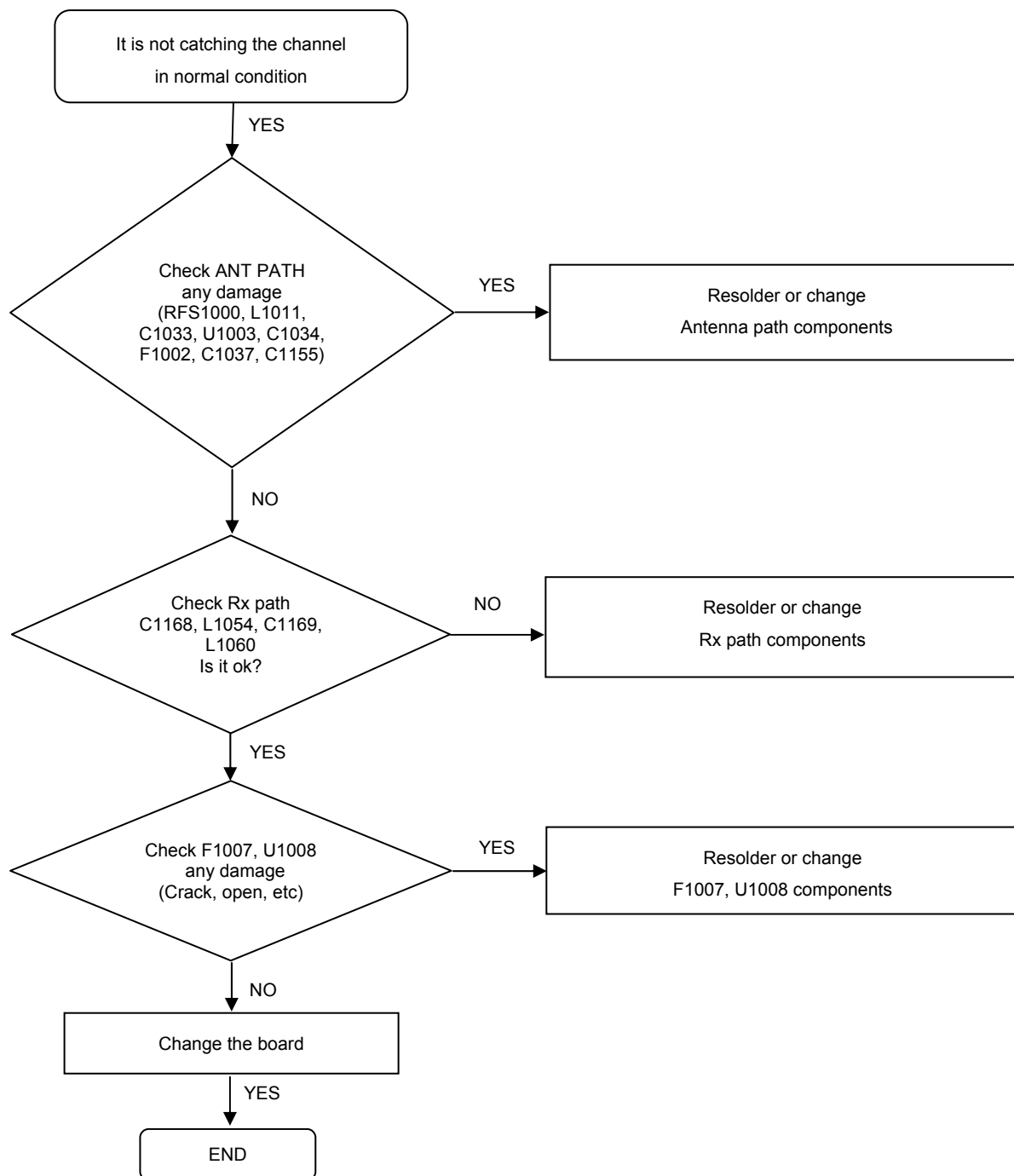


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## 8. Level 3 Repair

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### 8-4-14. GSM 1800 RX

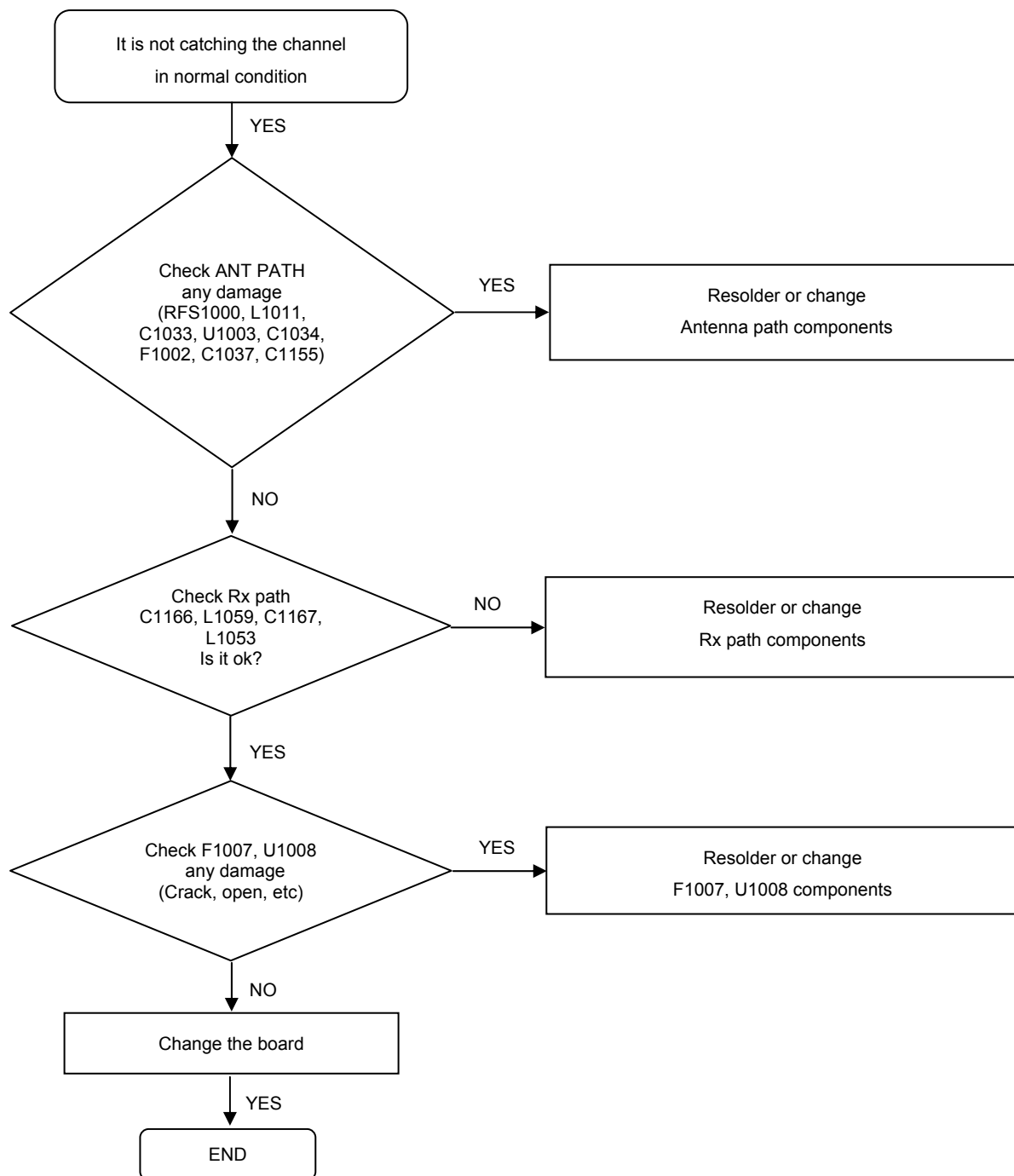


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## 8. Level 3 Repair

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### 8-4-15. GSM 1900 RX

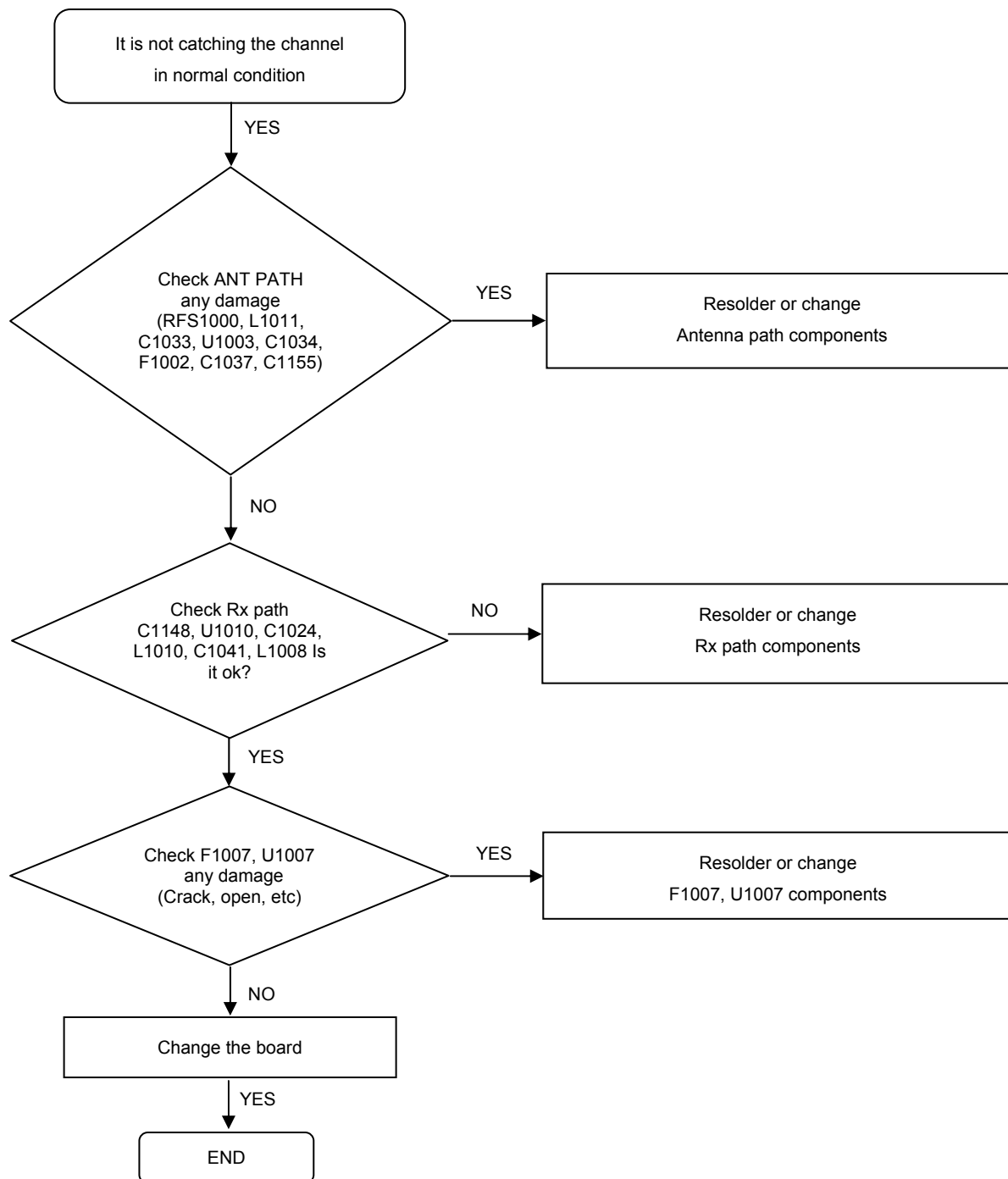


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## 8. Level 3 Repair

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### 8-4-16. WCDMA 1, 4 / LTE B1 , B4

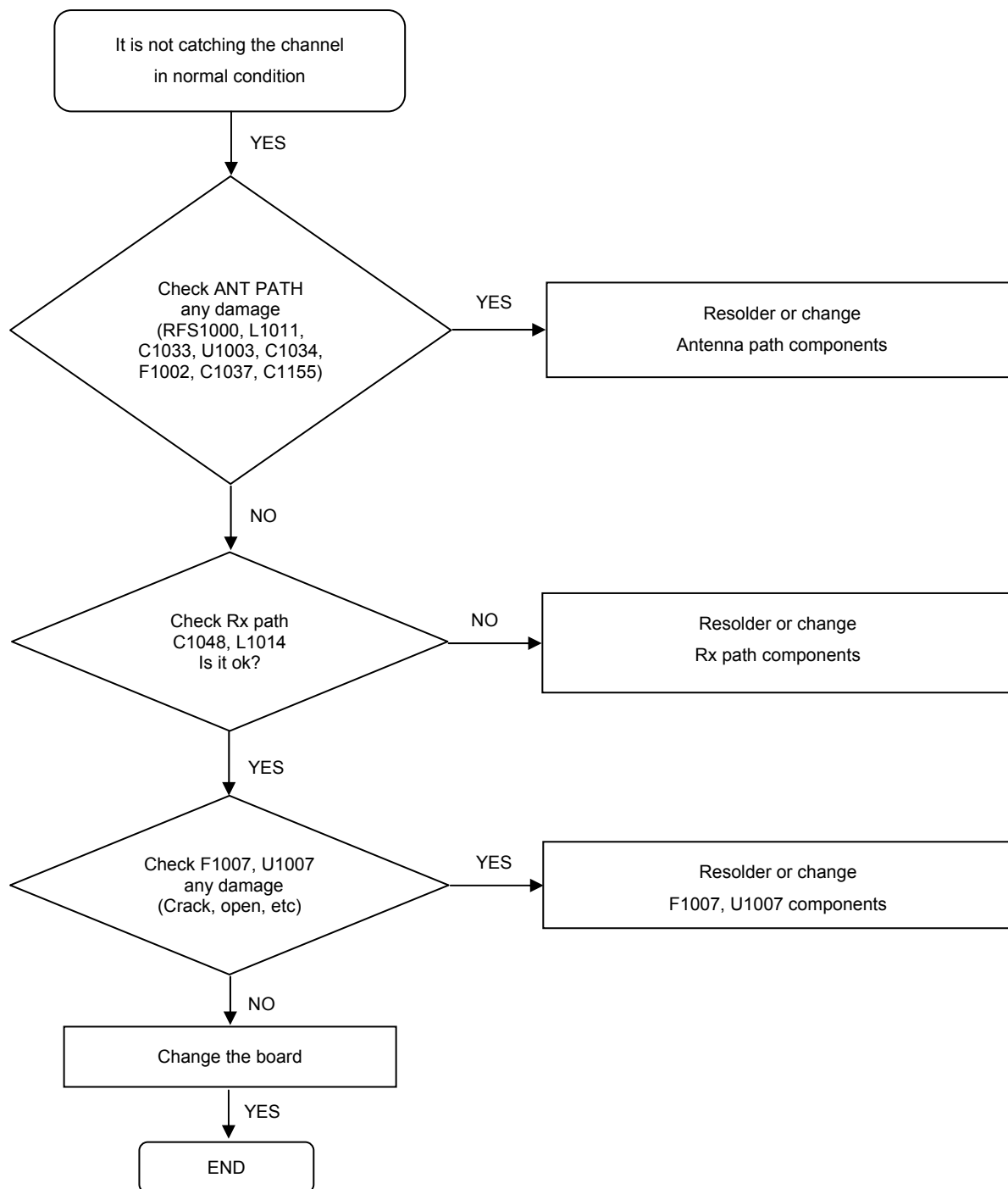


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## 8. Level 3 Repair

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### 8-4-17. WCDMA 2, LTE B2 RX

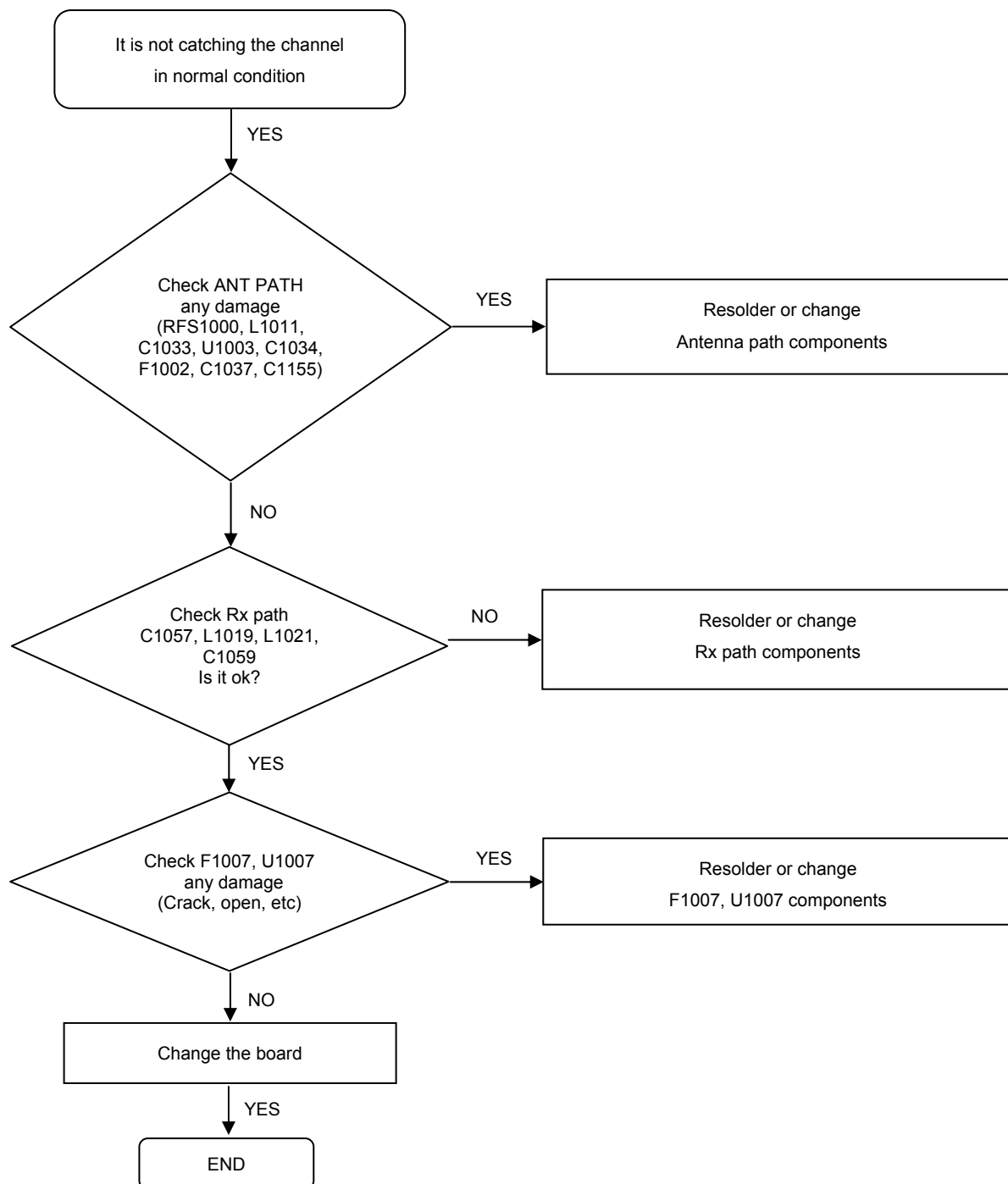


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## 8. Level 3 Repair

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### 8-4-18. WCDMA 3, LTE B3 RX

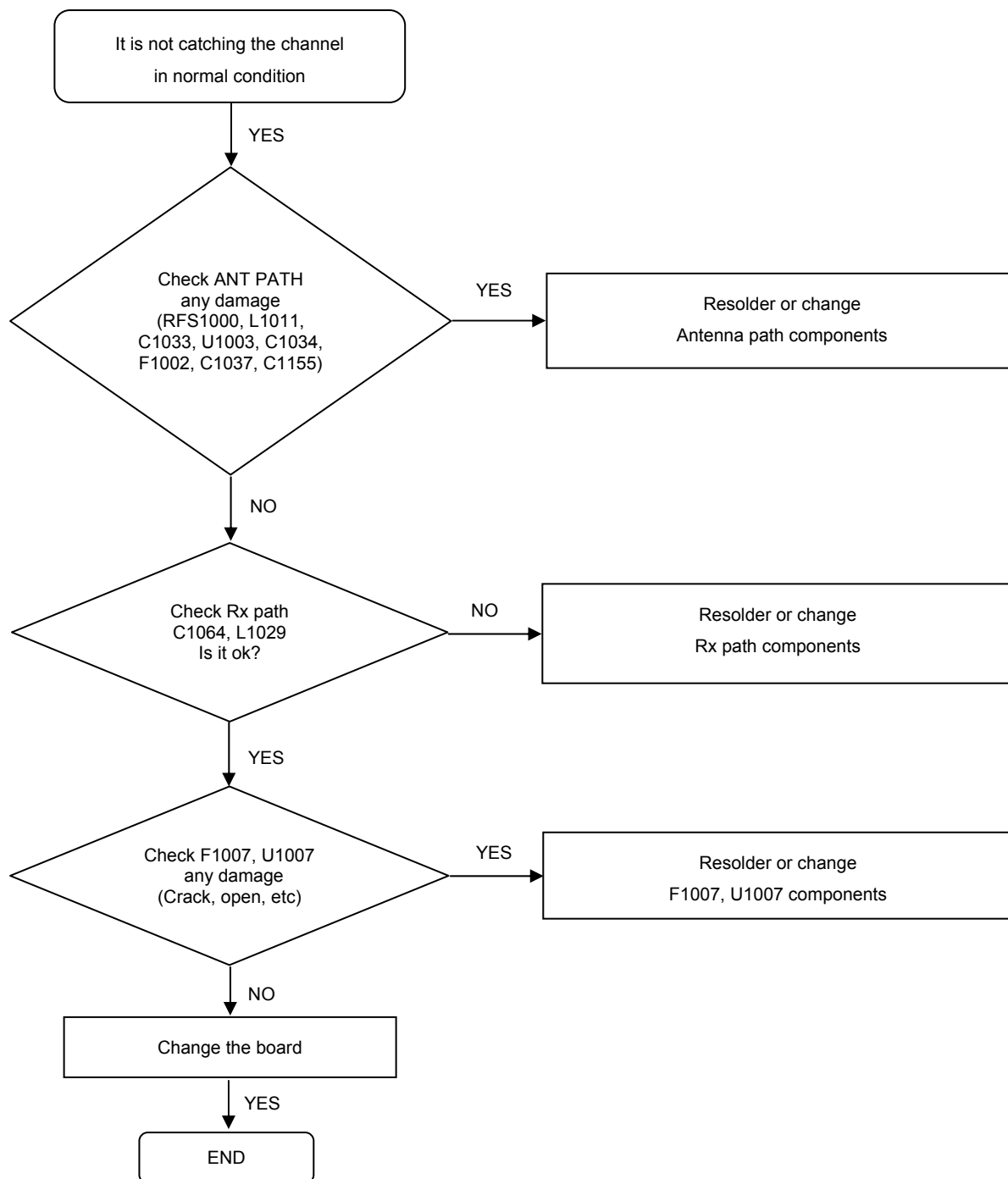


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## 8. Level 3 Repair

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### 8-4-19. LTE B17 RX

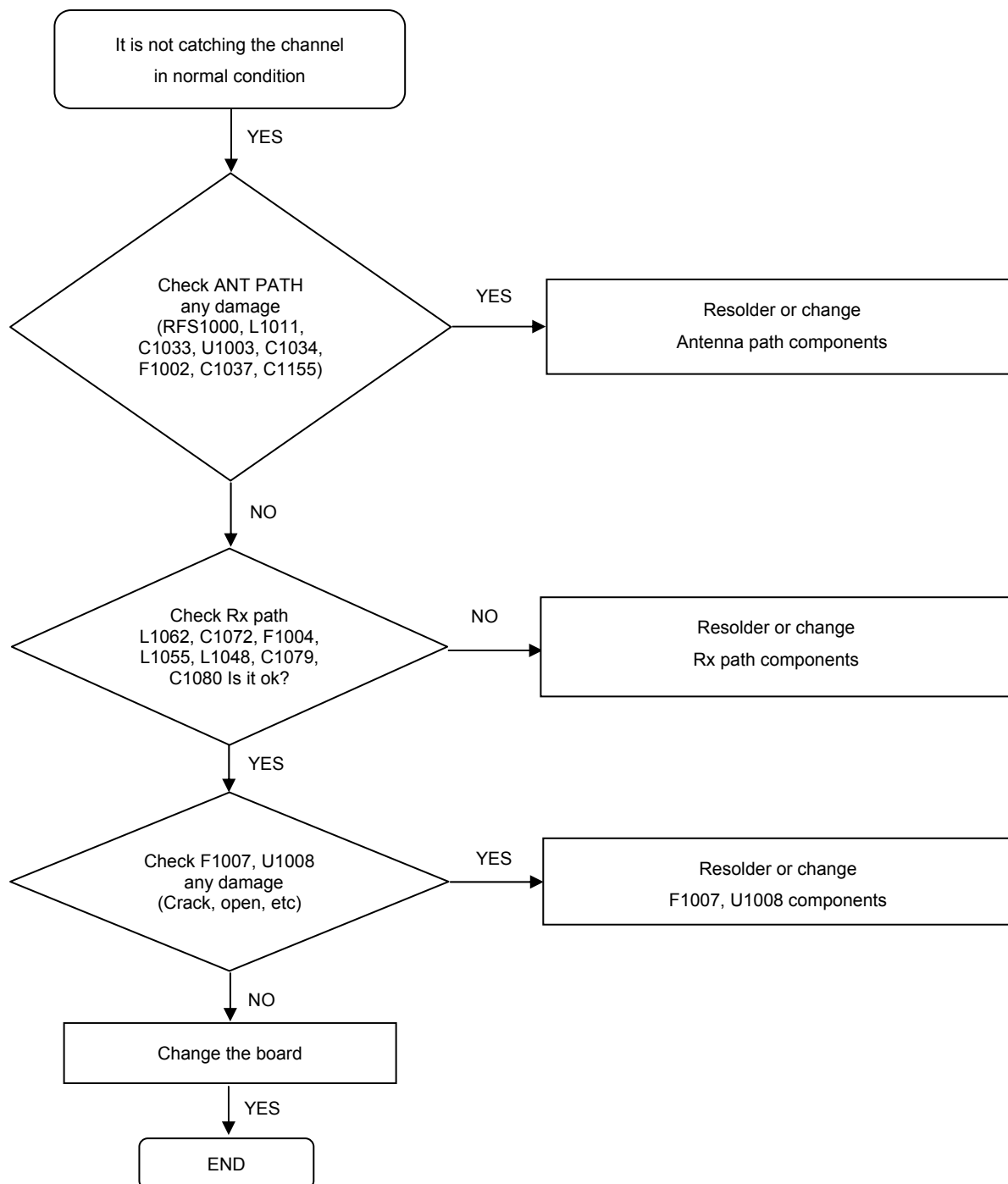


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## 8. Level 3 Repair

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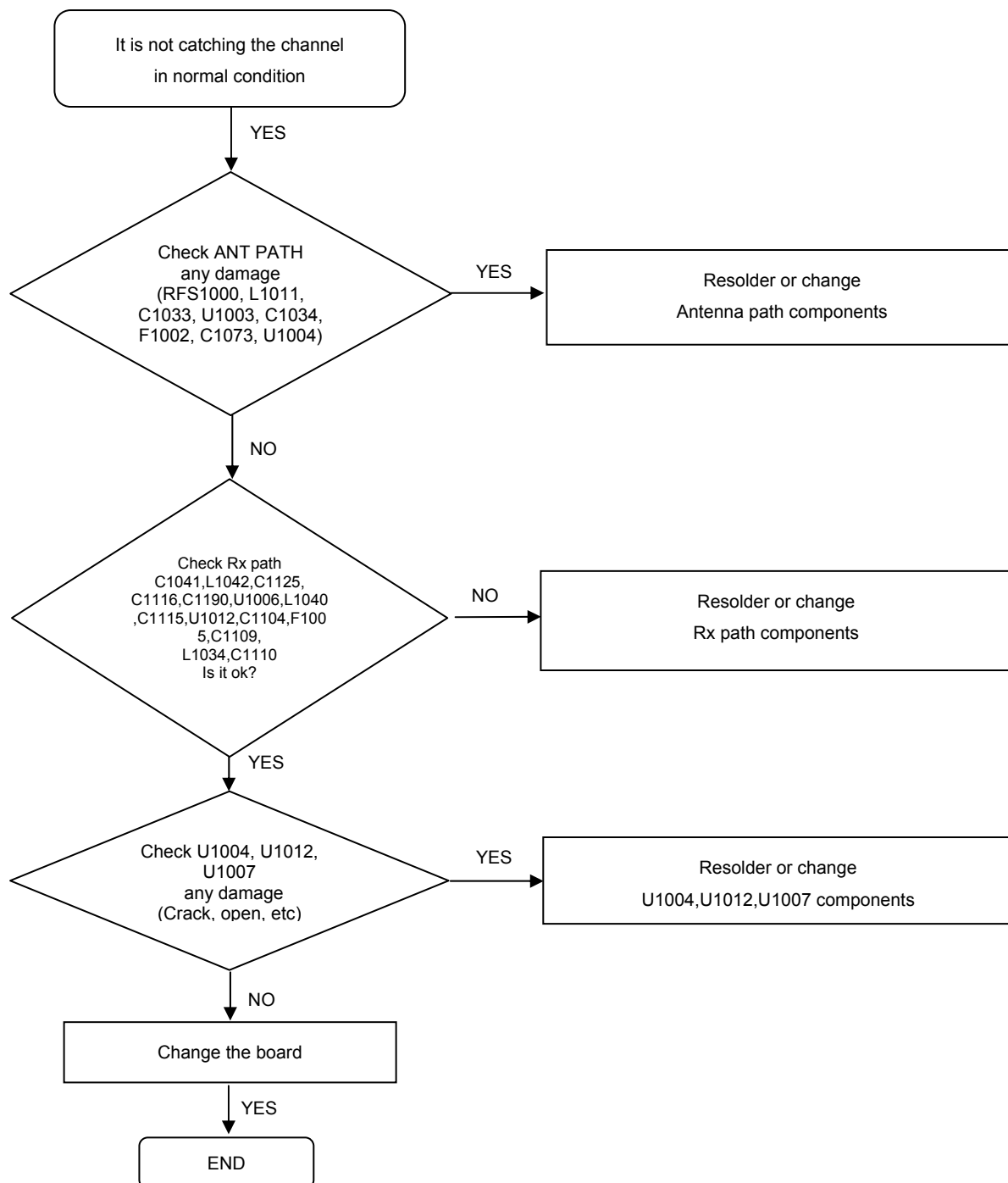
### 8-4-20. LTE B28 RX





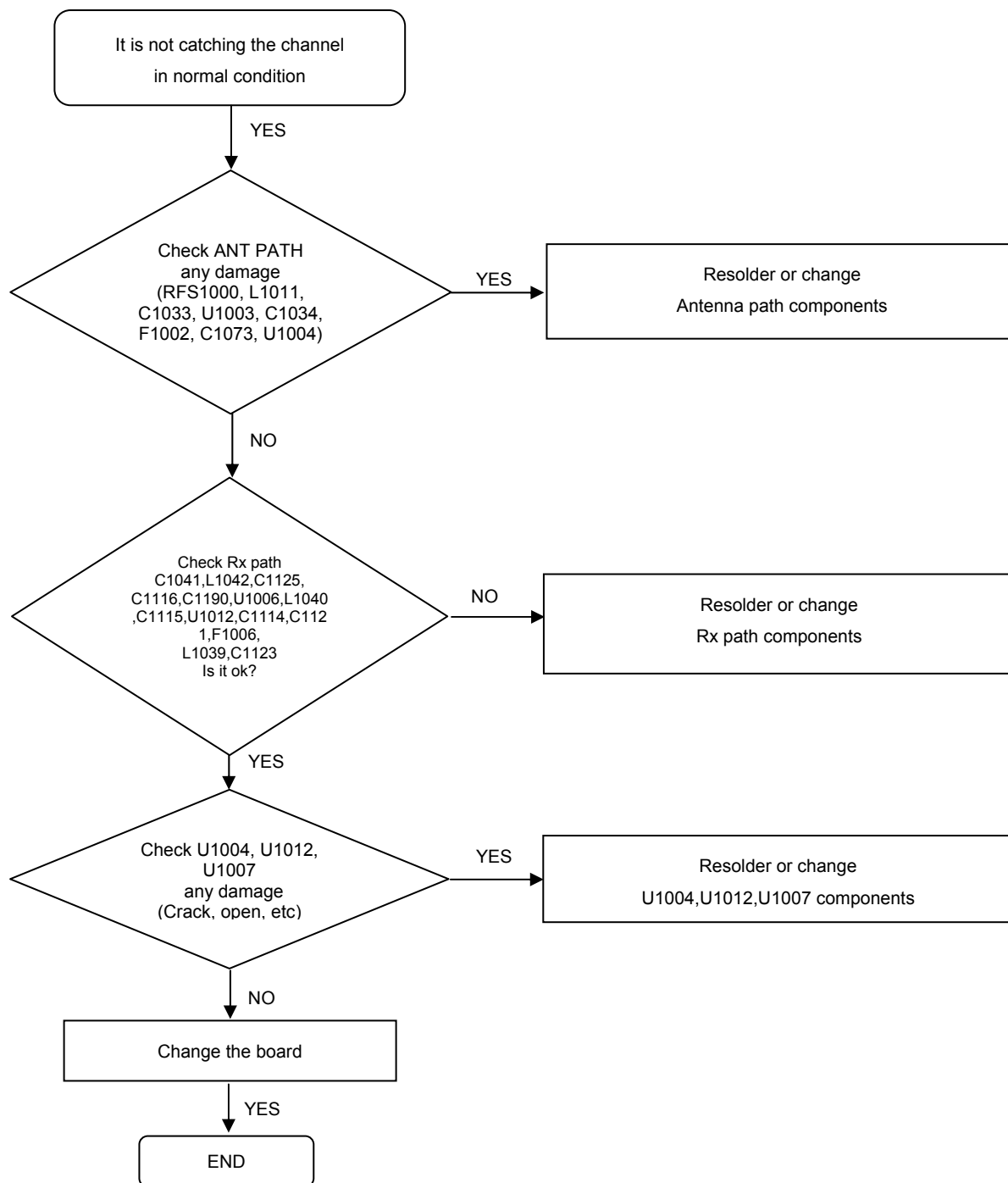
## 8. Level 3 Repair

### 8-4-21 LTE B38 RX



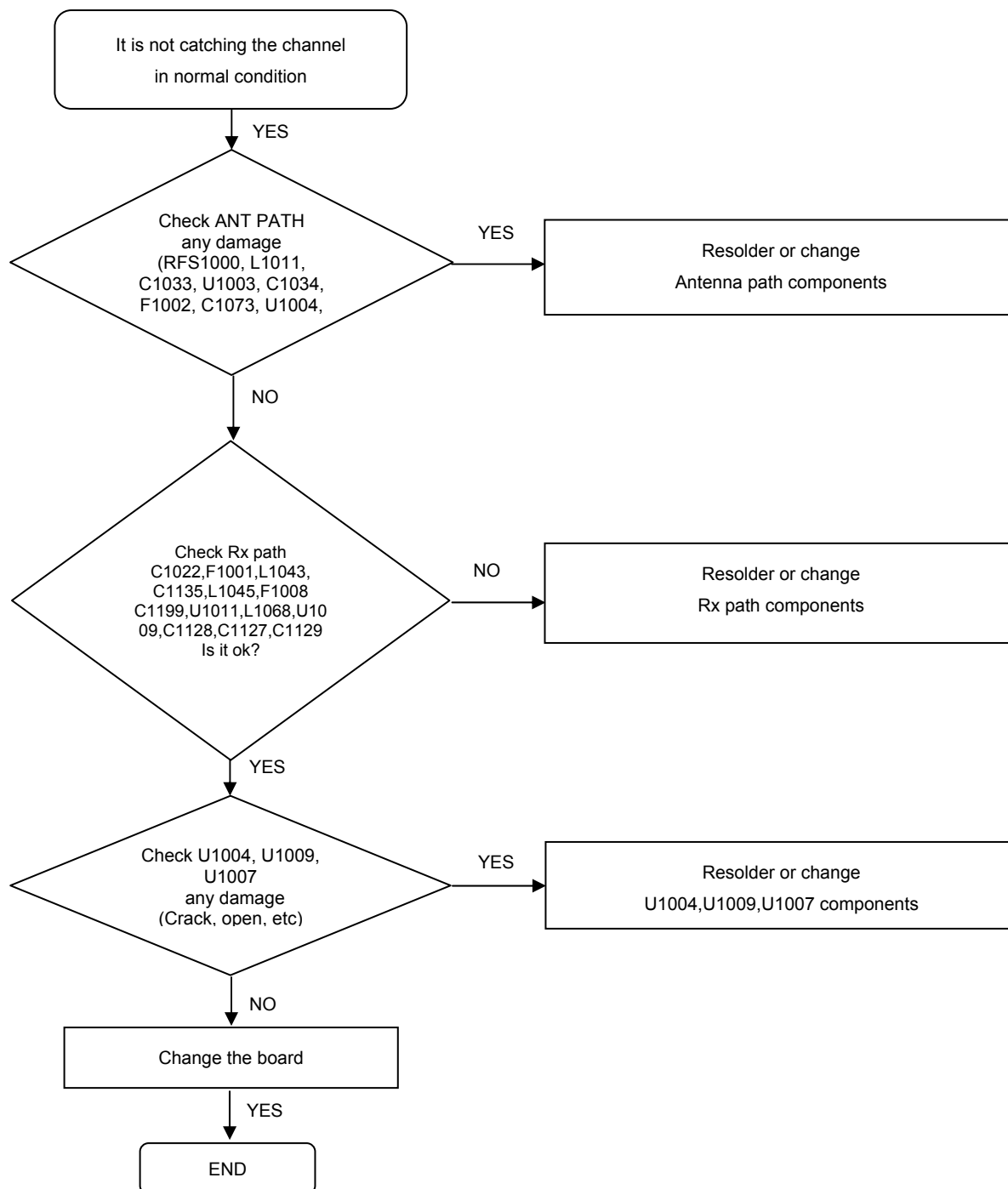
## 8. Level 3 Repair

### 8-4-22 LTE B40 RX



## 8. Level 3 Repair

### 8-4-23 LTE B7 RX

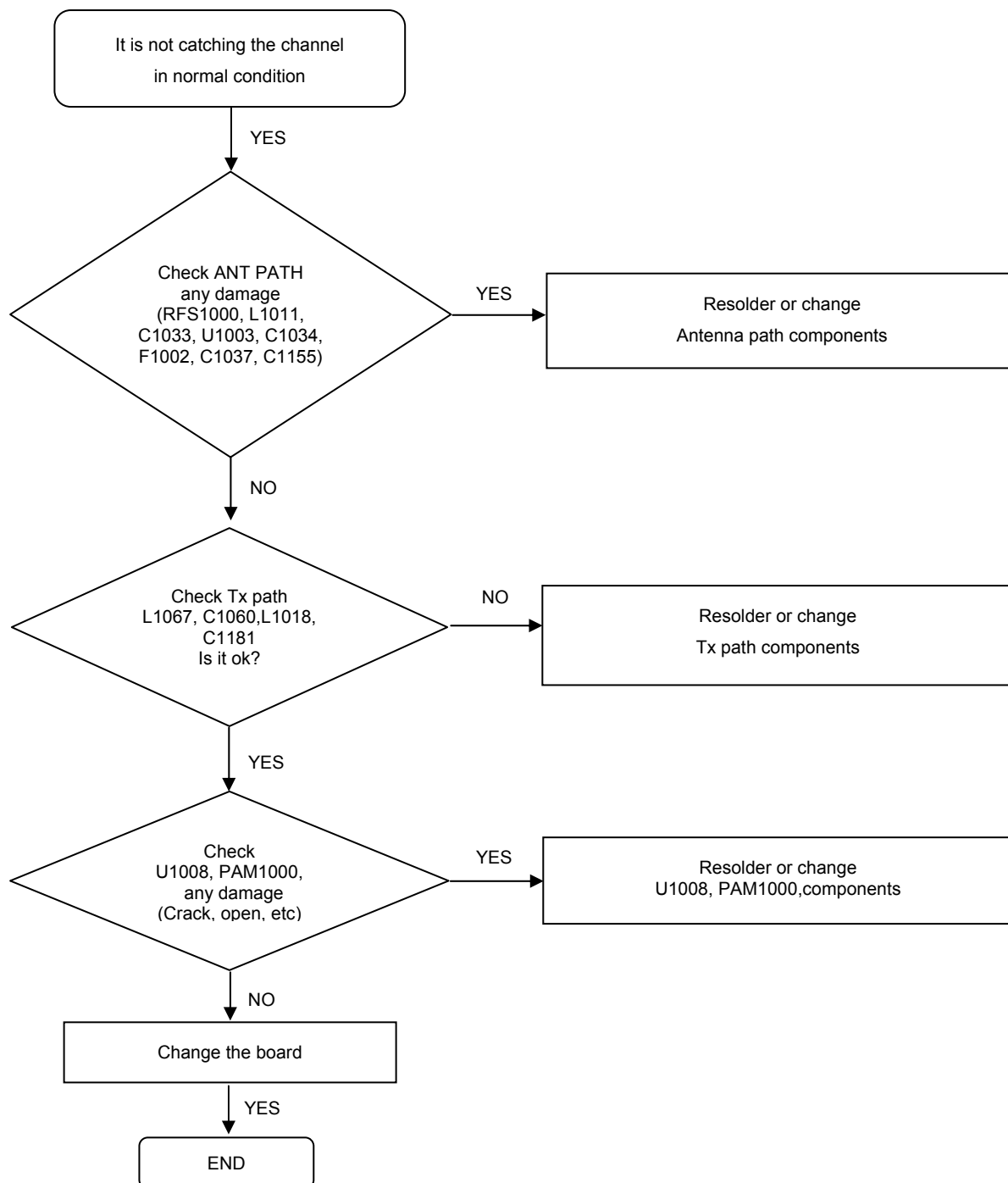


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## 8. Level 3 Repair

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### 8-4-24. GSM850/GSM900 TX

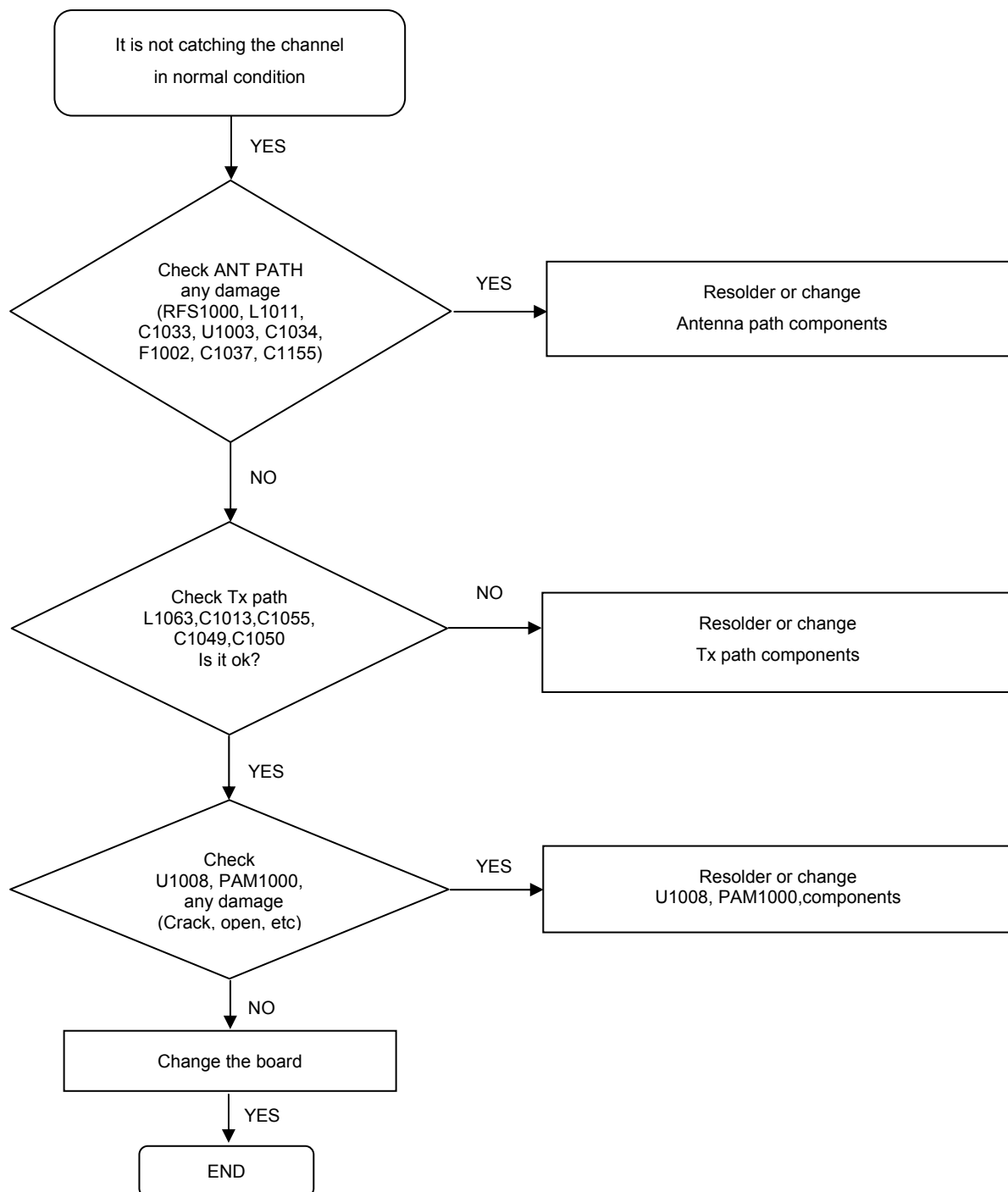


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## 8. Level 3 Repair

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### 8-4-25. GSM1800/GSM1900 TX

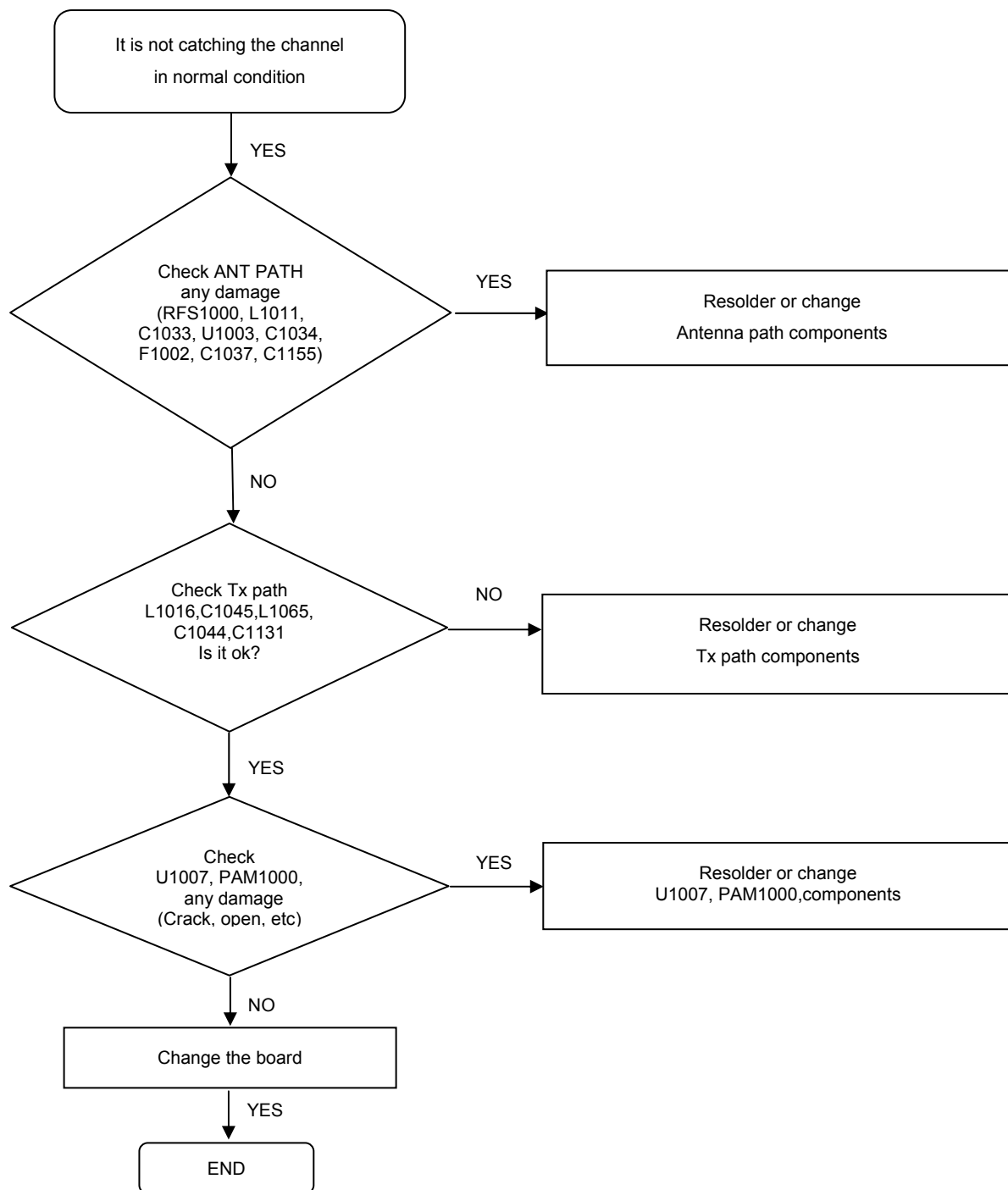


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## 8. Level 3 Repair

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### 8-4-26. WCDMA 1 / LTE B1 TX

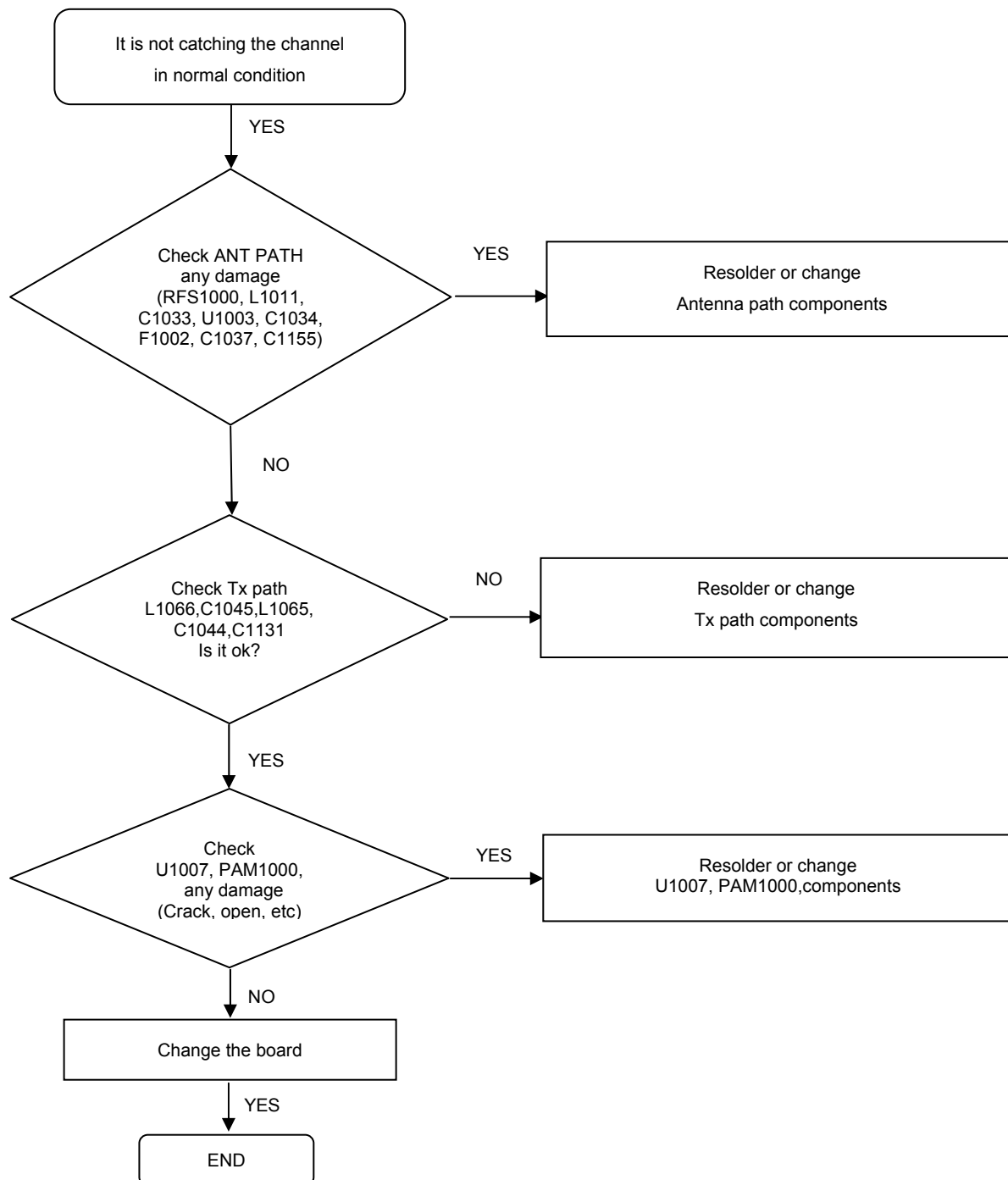


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## 8. Level 3 Repair

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### 8-4-27. WCDMA 2 / LTE B2 TX

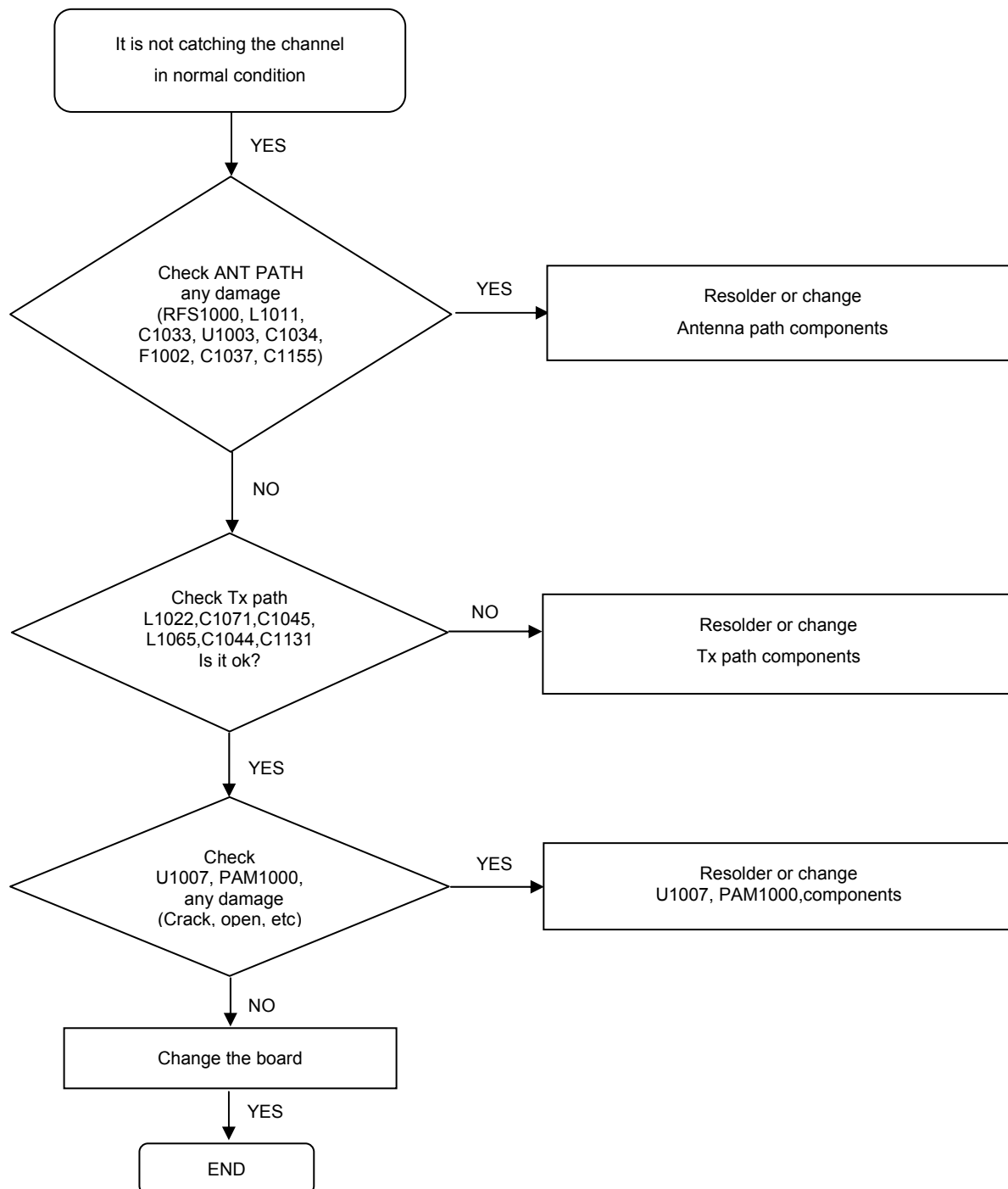


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## 8. Level 3 Repair

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### 8-4-28. LTE B3 TX



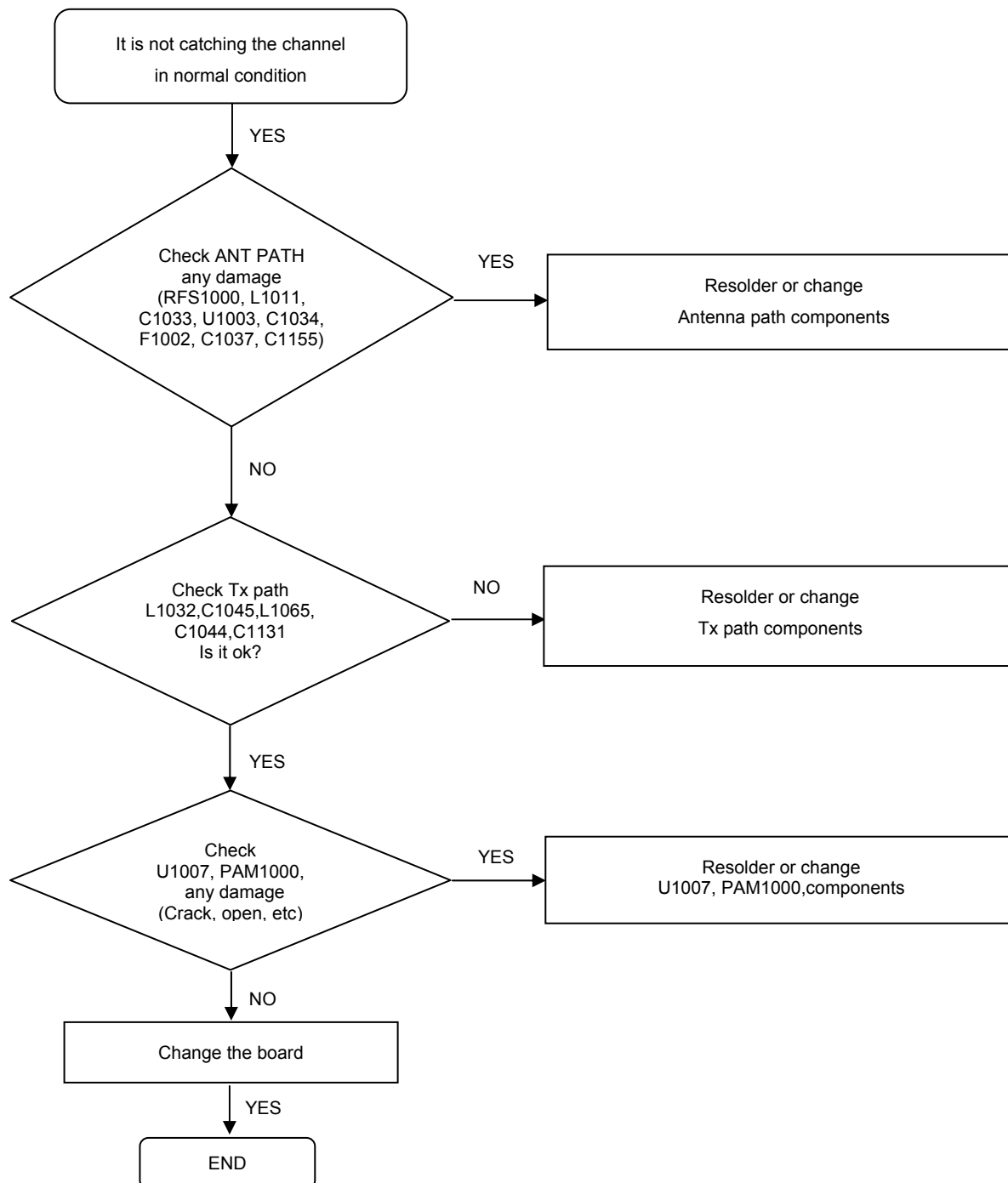


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## 8. Level 3 Repair

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### 8-4-29. WCDMA 4 / LTE B4 TX

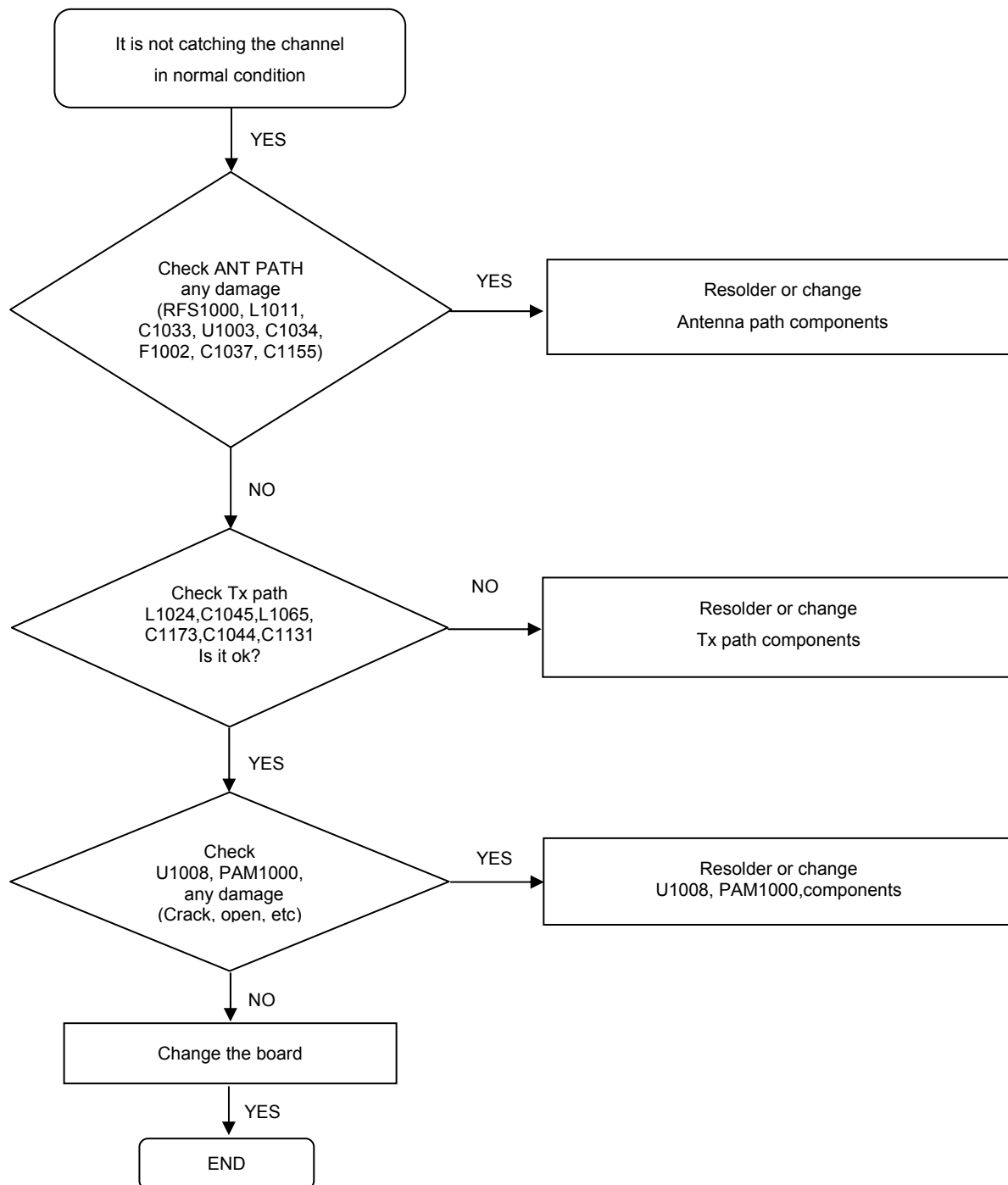


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## 8. Level 3 Repair

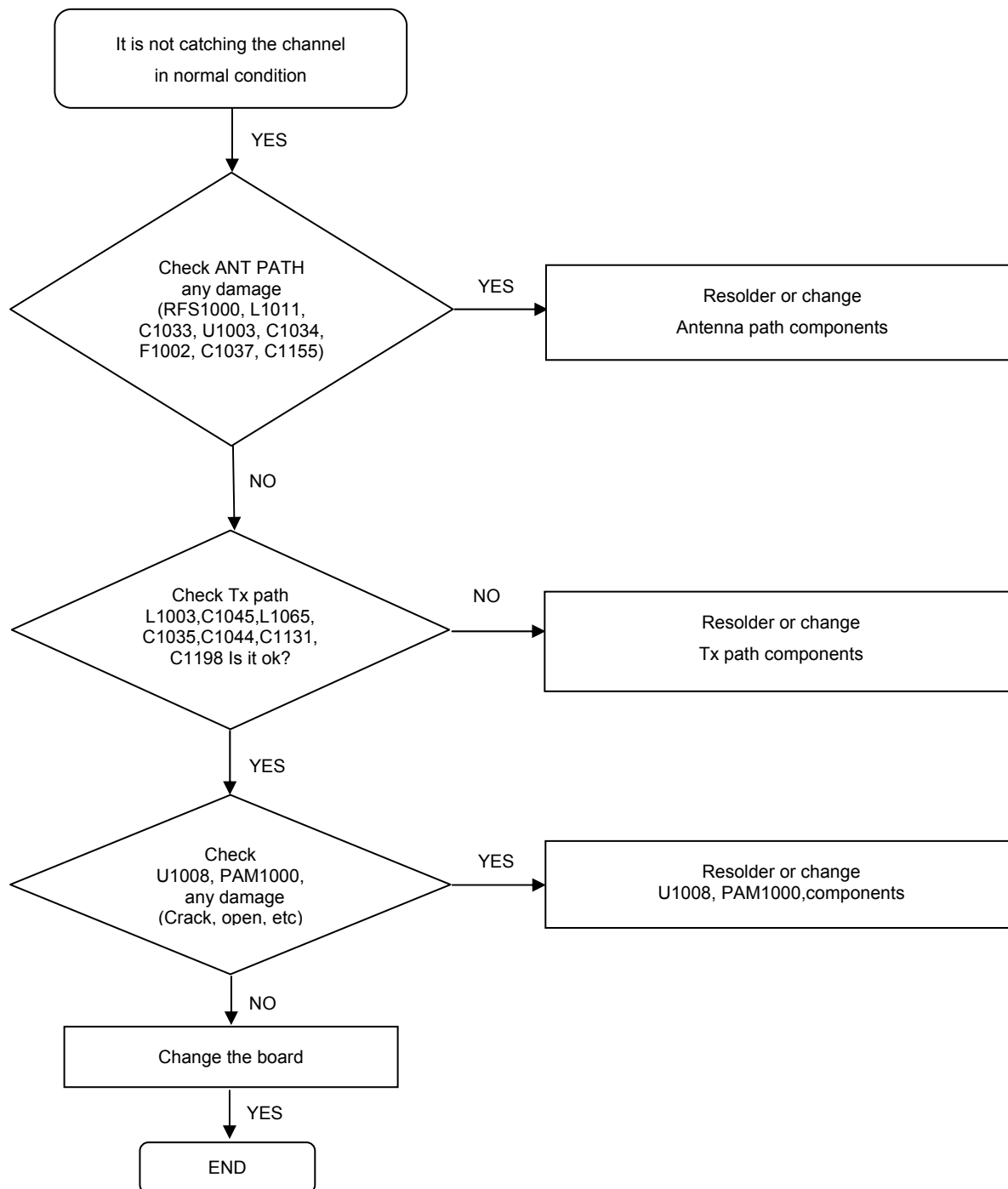
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### 8-4-30. WCDMA 5 / LTE B5 TX



## 8. Level 3 Repair

### 8-4-31. WCDMA 8 / LTE B8 TX

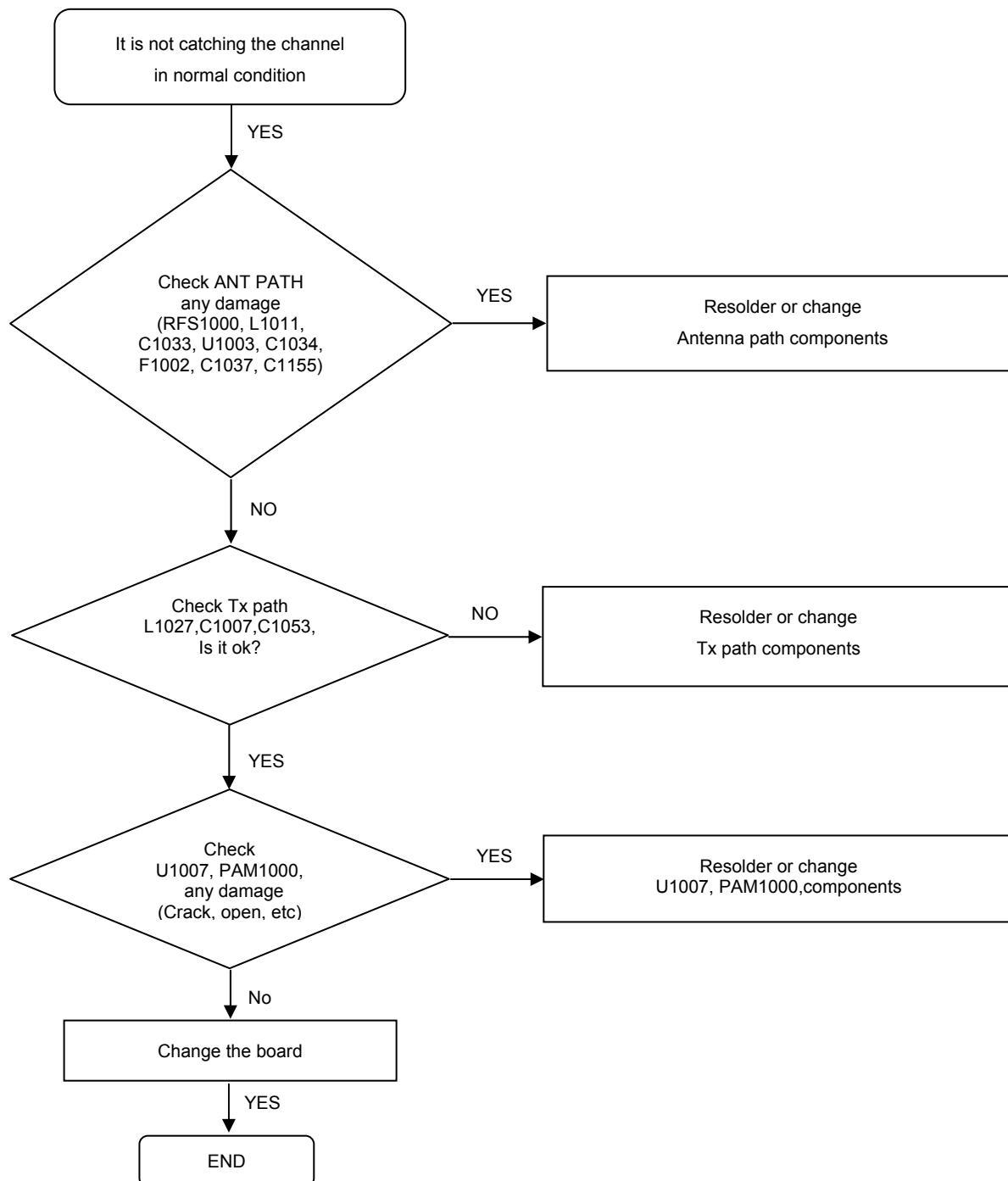


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## 8. Level 3 Repair

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### 8-4-32. LTE B17 TX

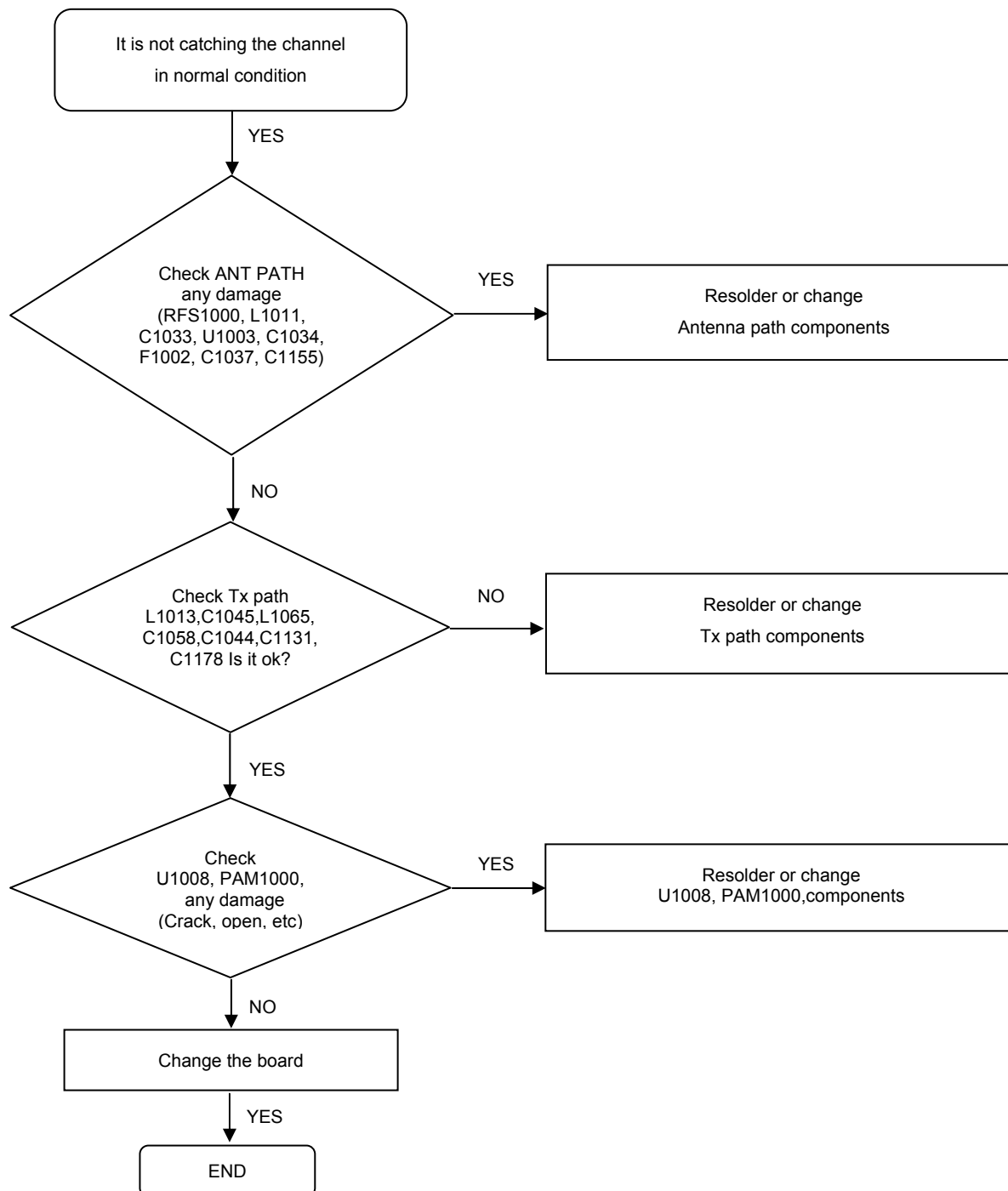


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## 8. Level 3 Repair

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### 8-4-33. LTE B28 TX

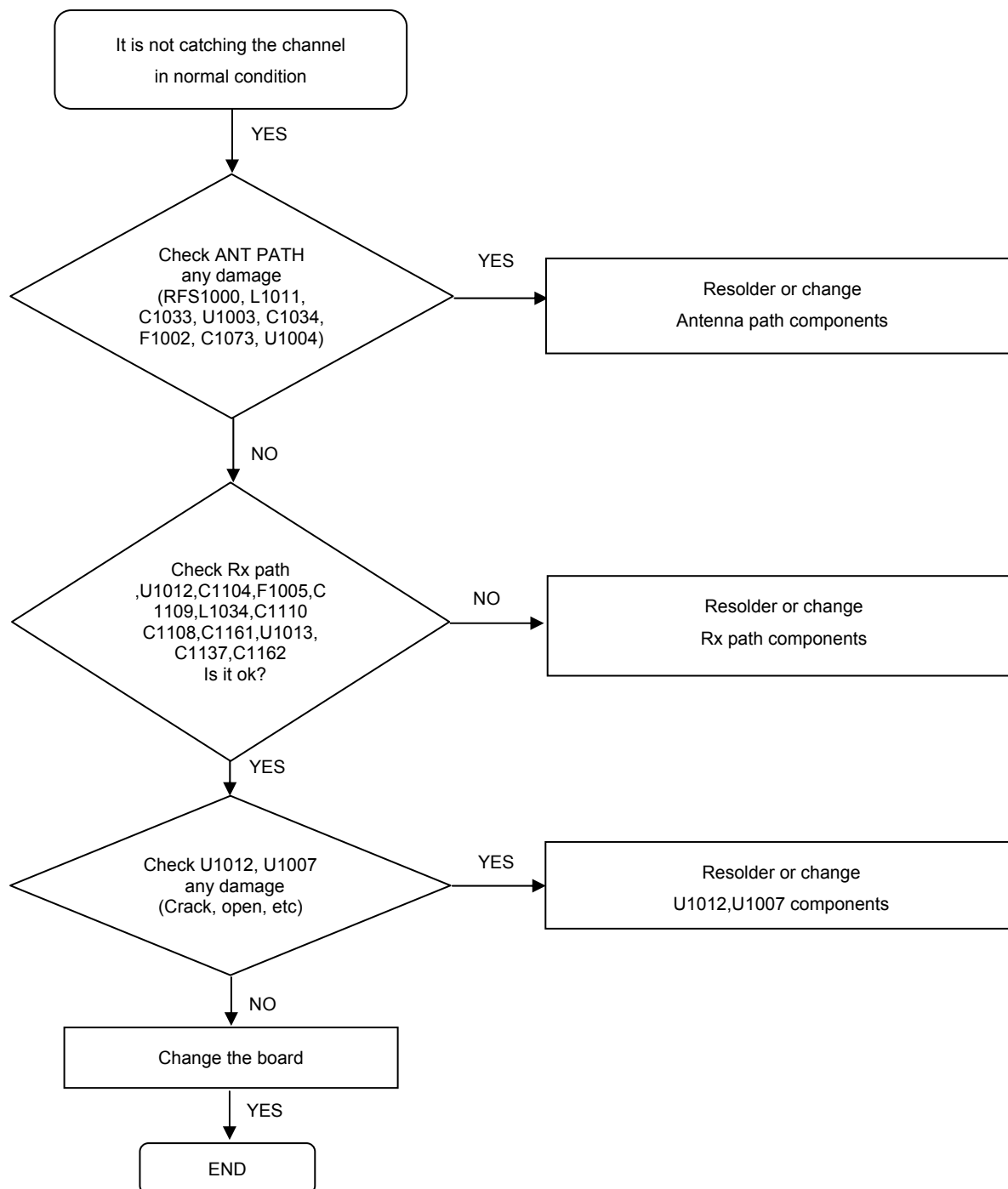


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## 8. Level 3 Repair

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### 8-4-34 LTE B38 TX

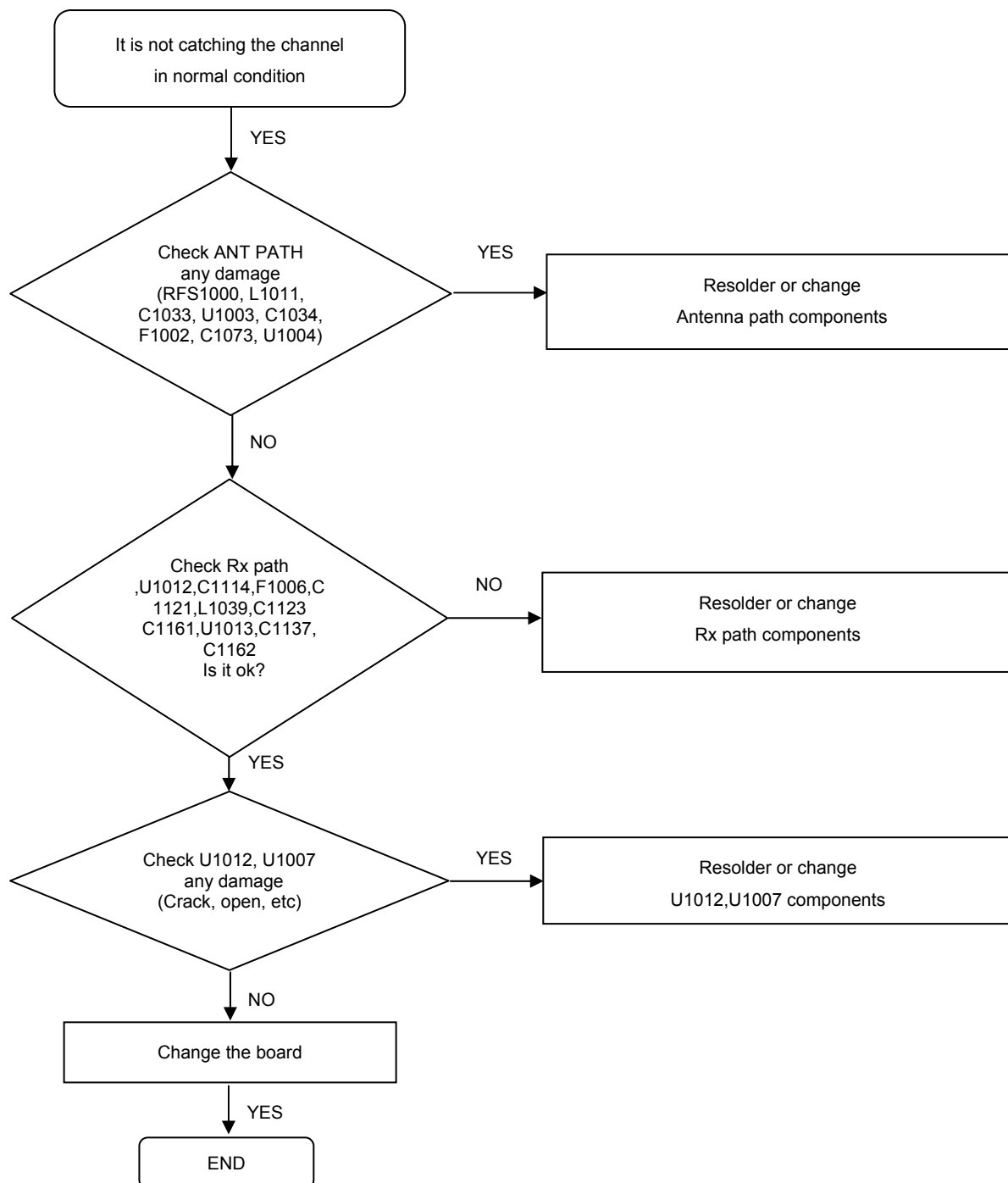


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## 8. Level 3 Repair

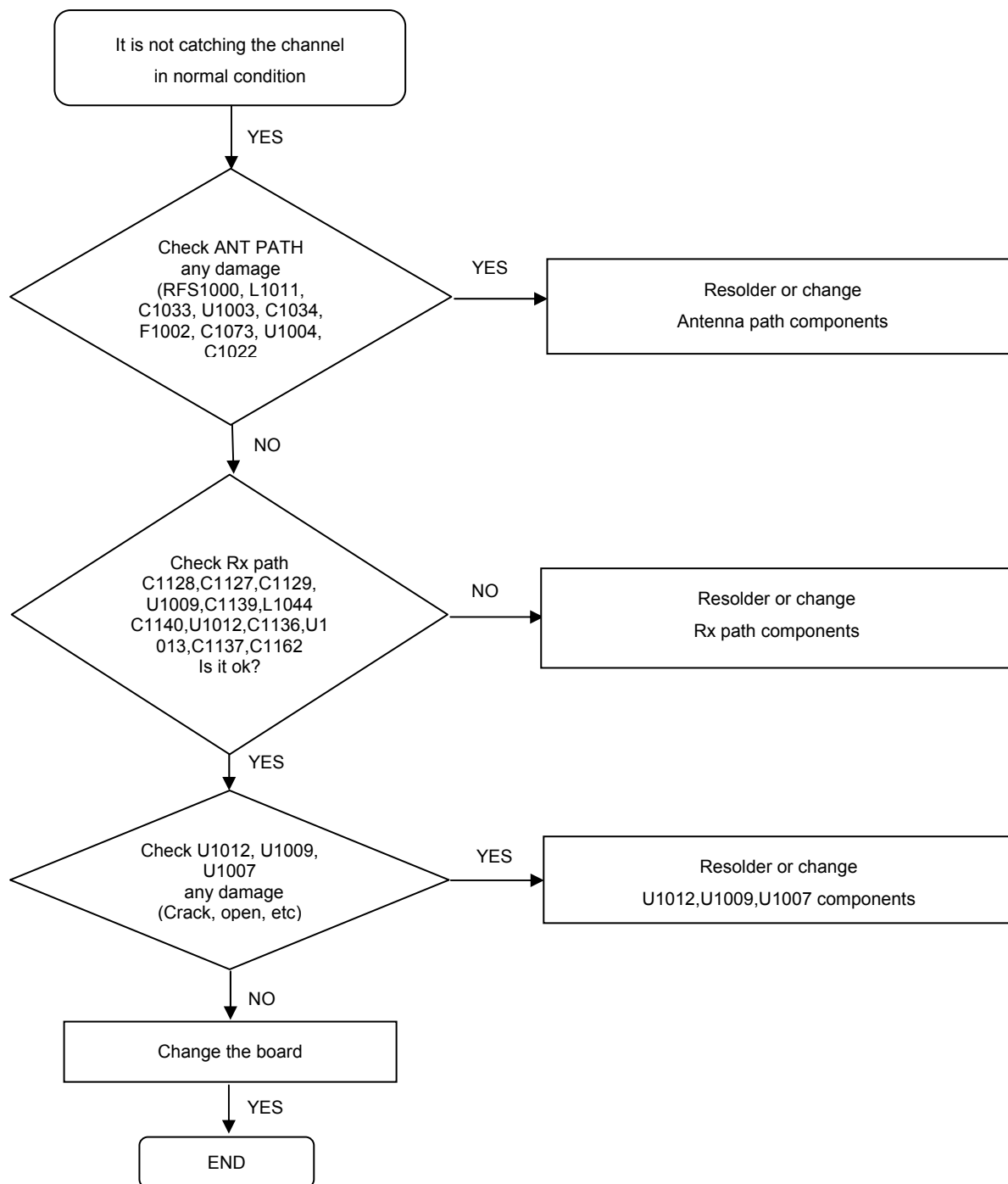
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### 8-4-35 LTE B40 TX



## 8. Level 3 Repair

### 8-4-36 LTE B7 TX



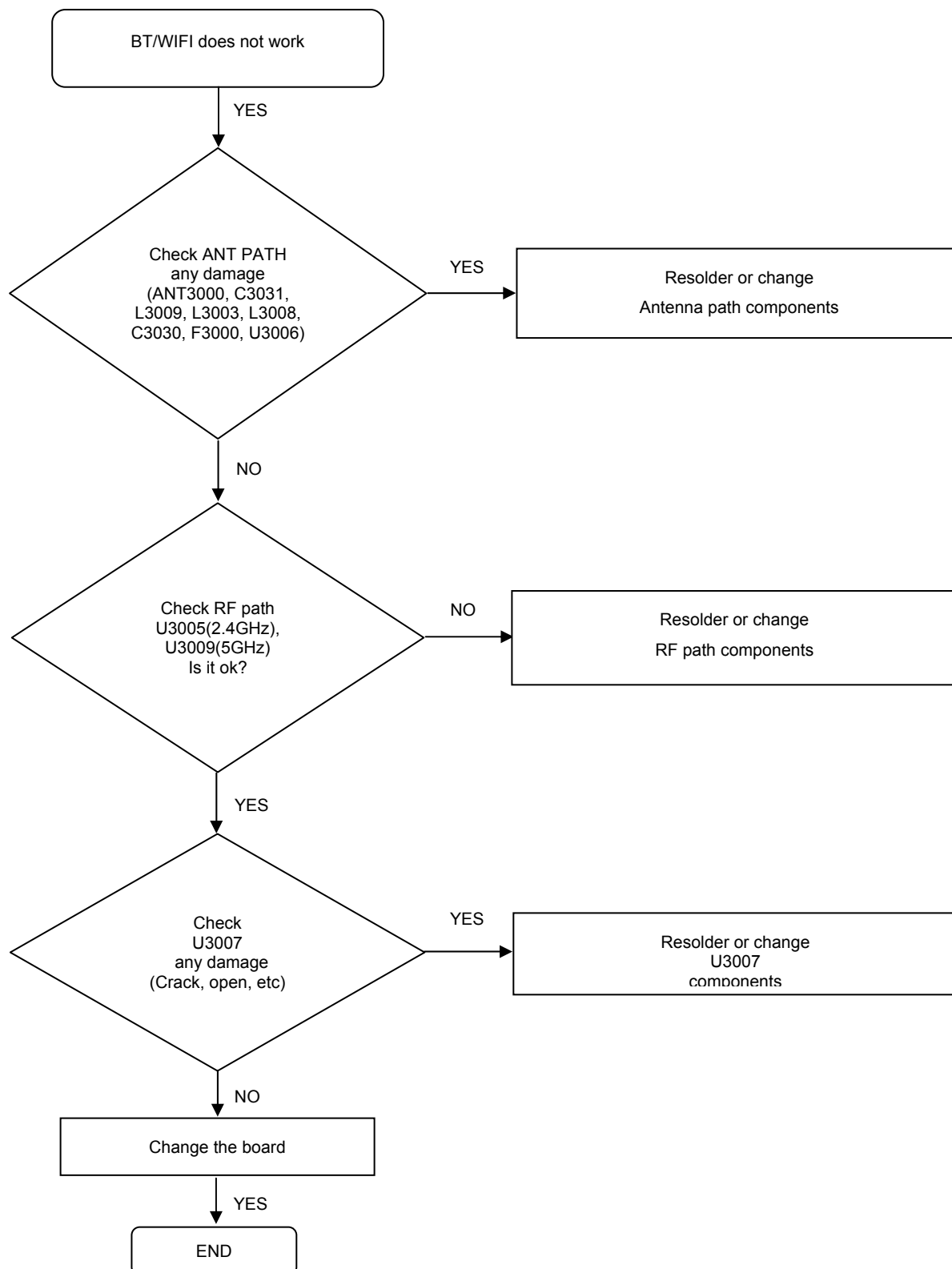


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## 8. Level 3 Repair

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### 8-4-37. BT/WLAN

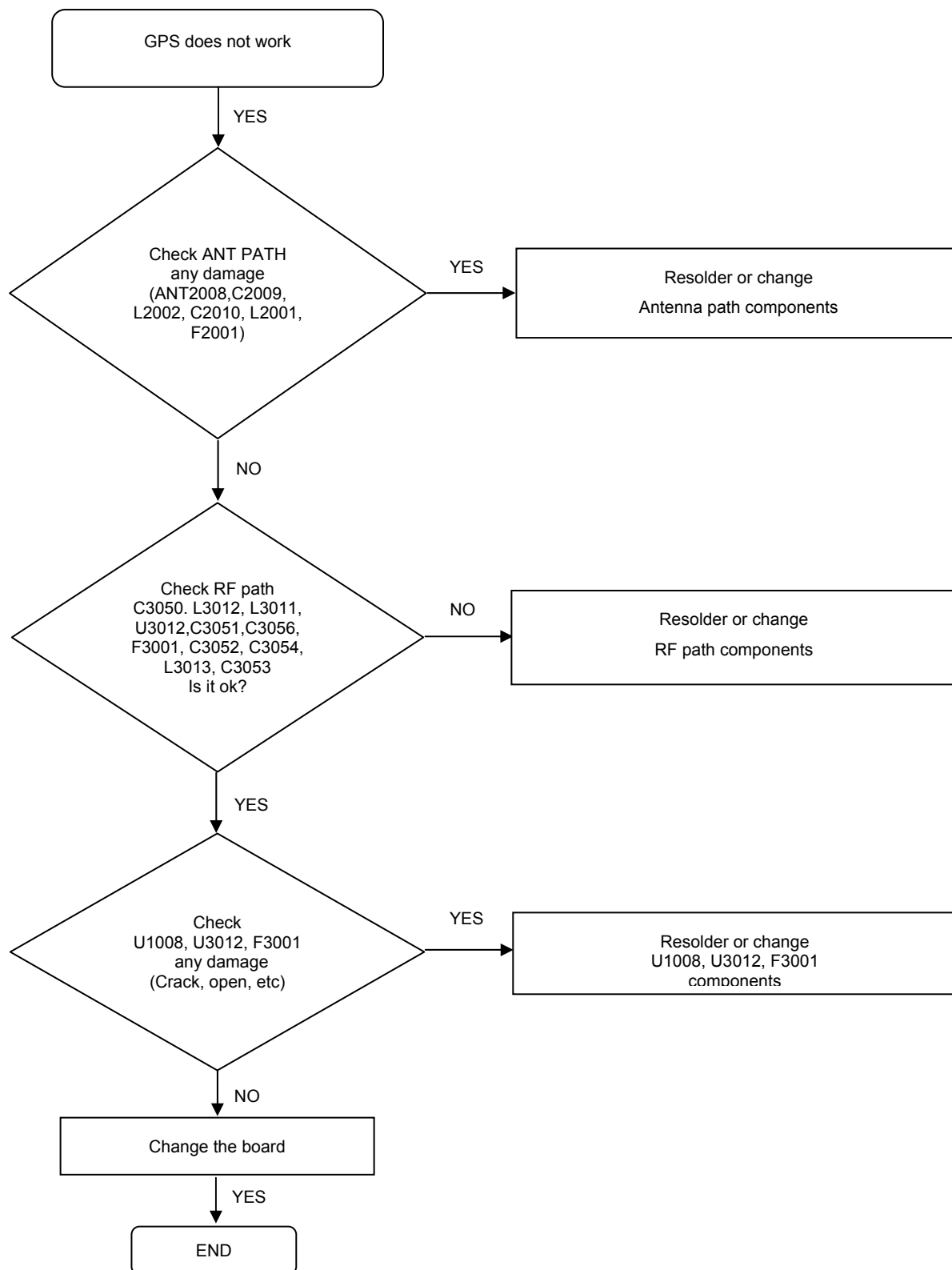


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## 8. Level 3 Repair

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### 8-4-38. GPS

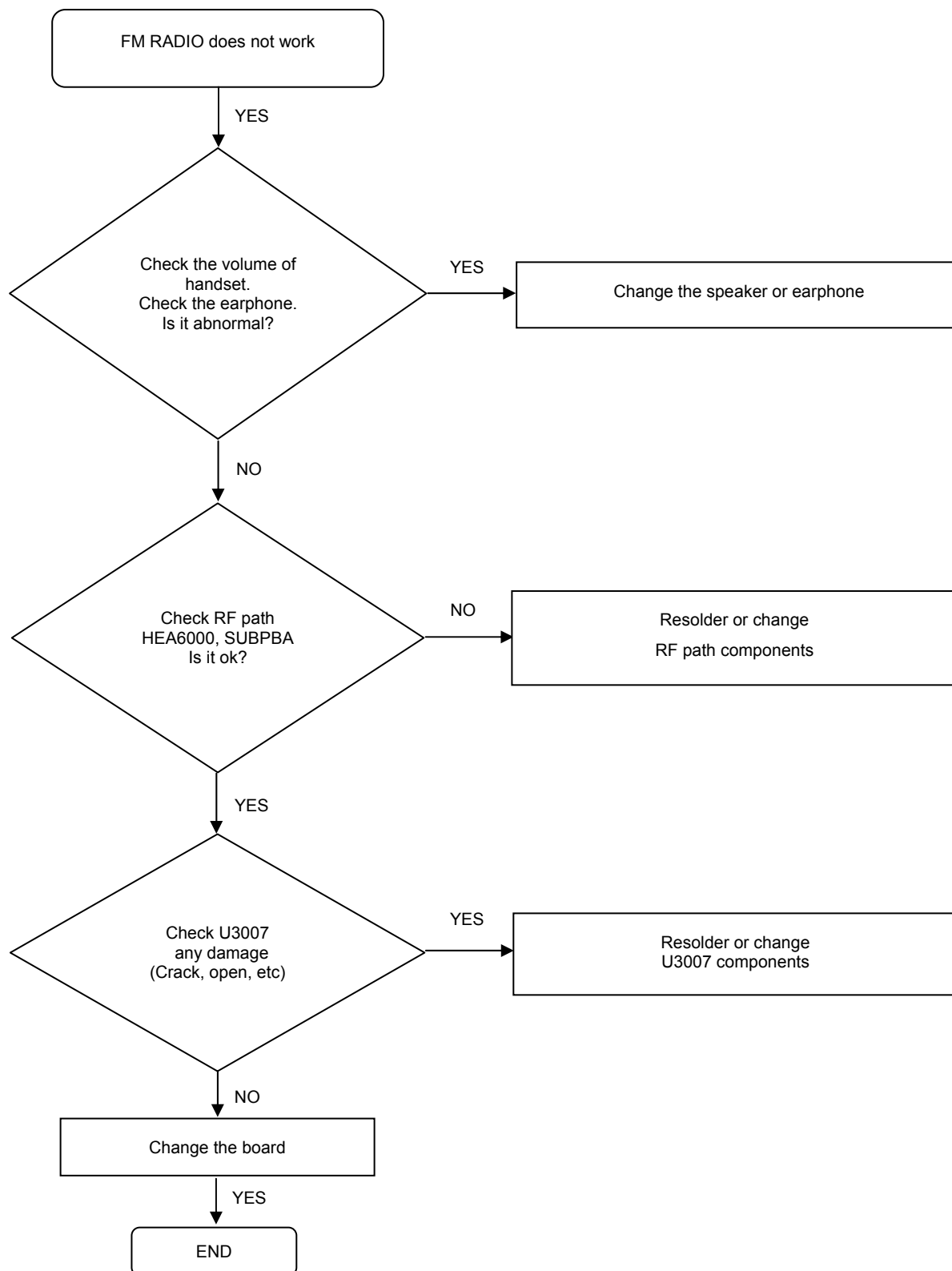


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## 8. Level 3 Repair

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### 8-4-39. FM RADIO

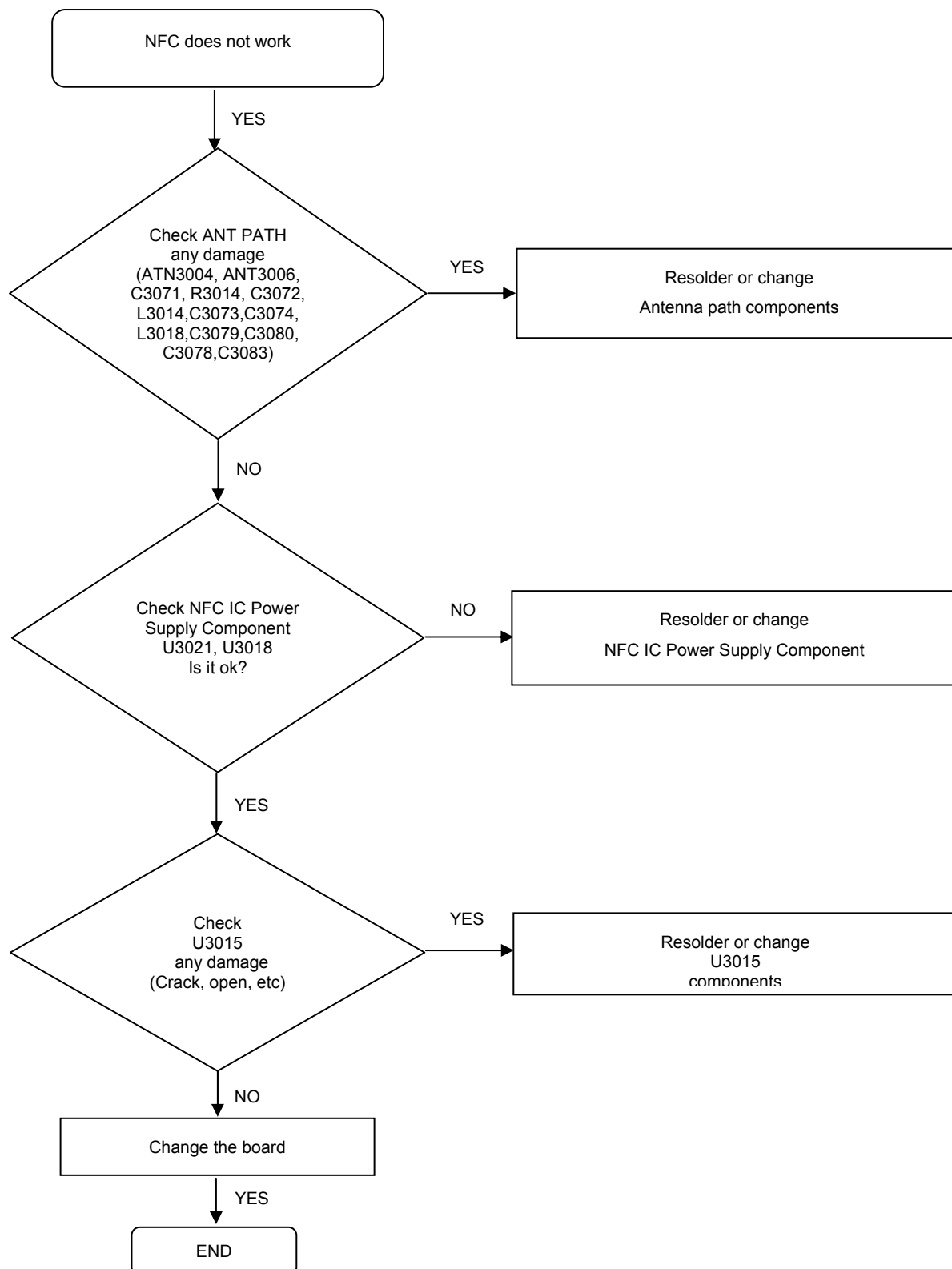


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## 8. Level 3 Repair

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### 8-4-40. NFC

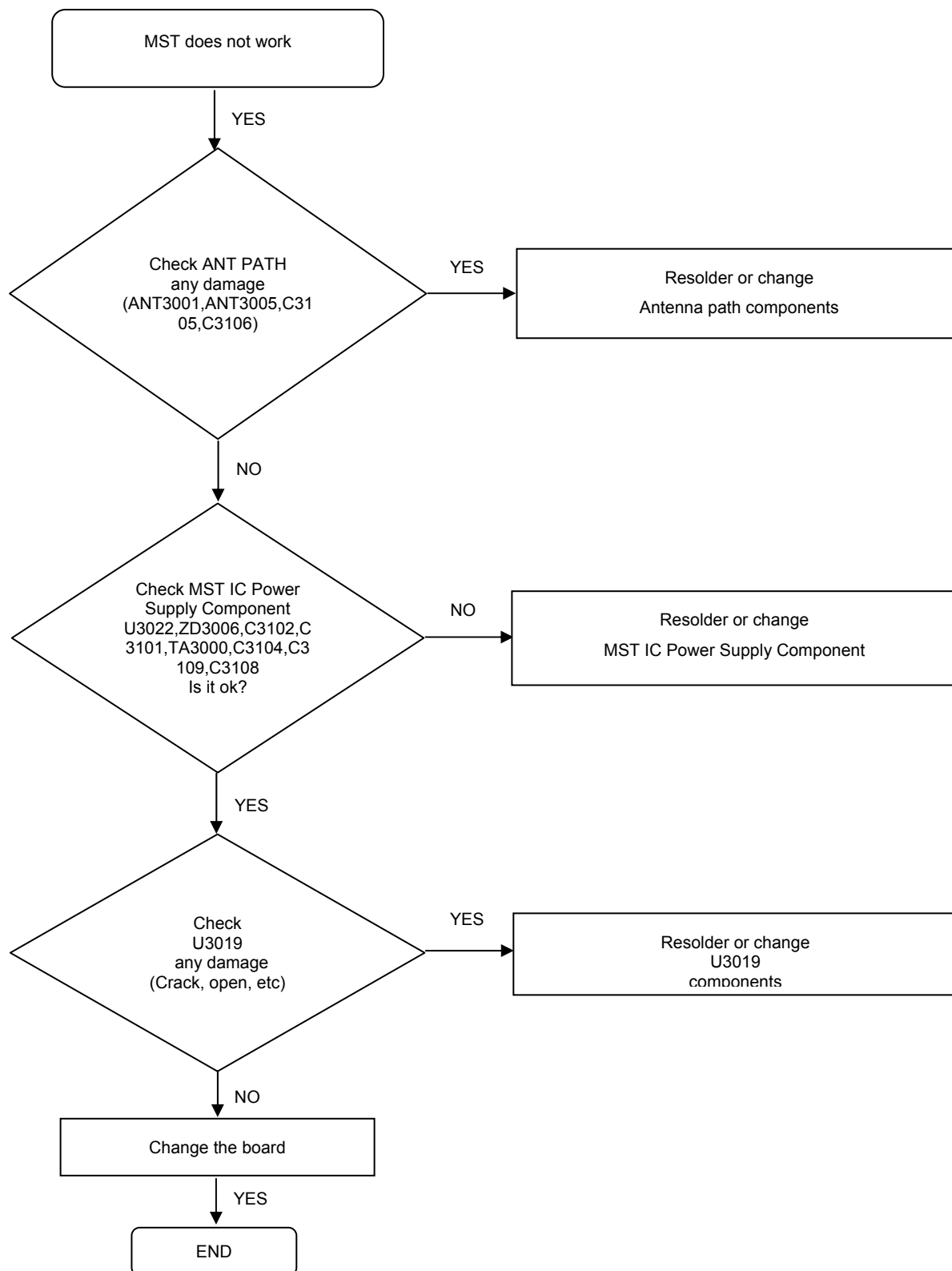


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## 8. Level 3 Repair

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### 8-4-41. MST



## 8. Level 3 Repair

### 8-5. Service Schematics

#### - NC Point(Top View)

##### UCP400(AP)

