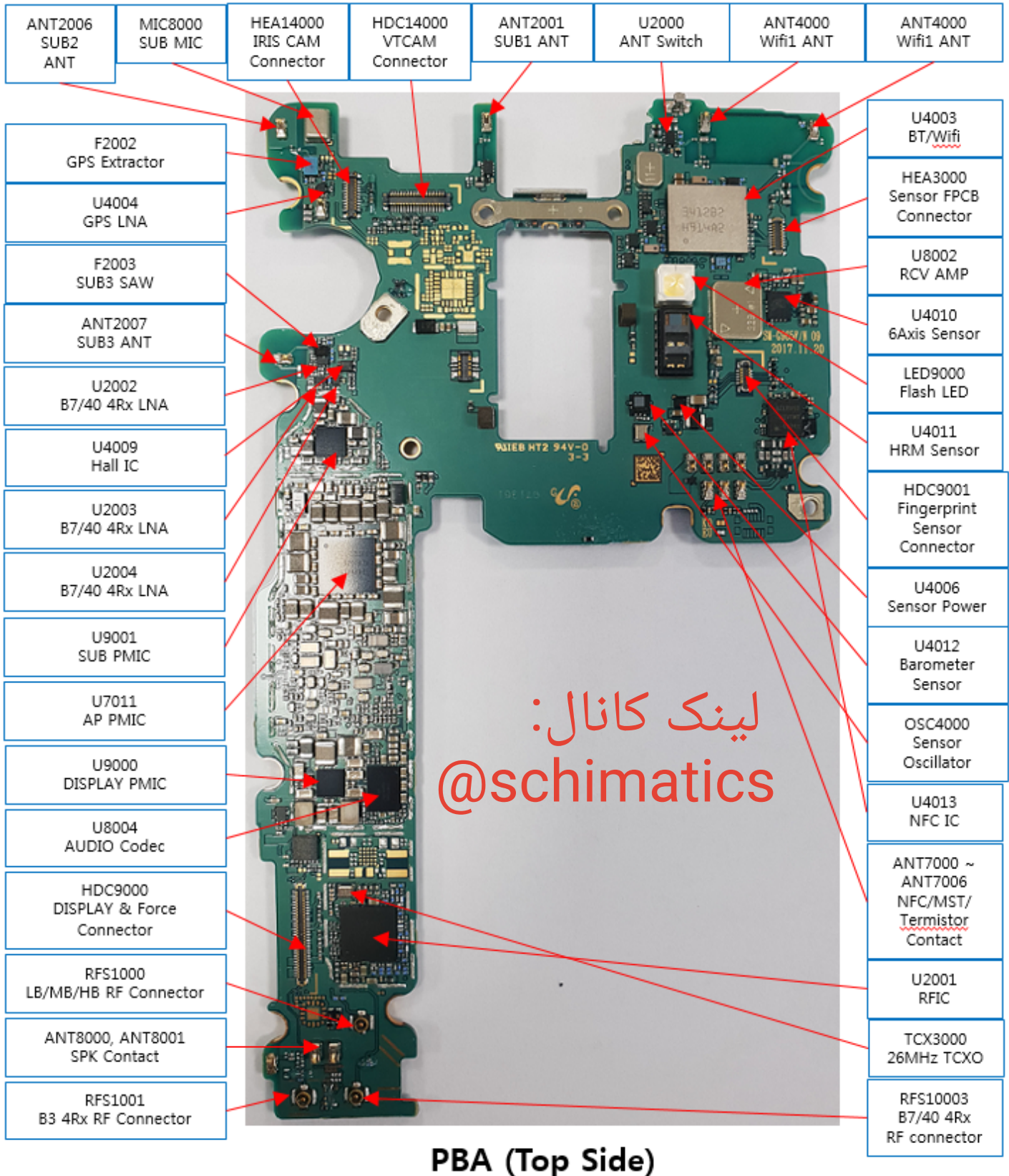
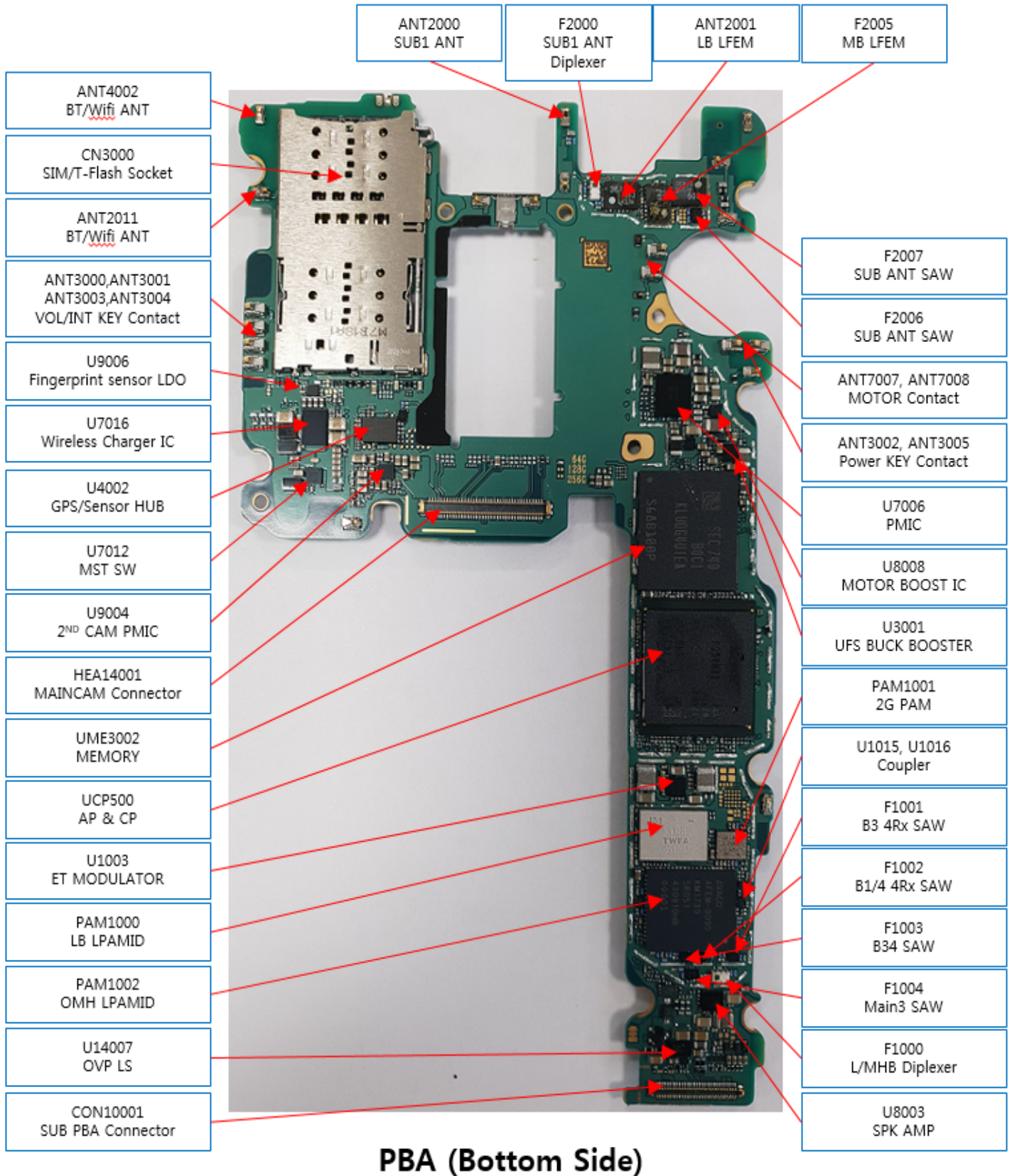


## 8. Level 3 Repair

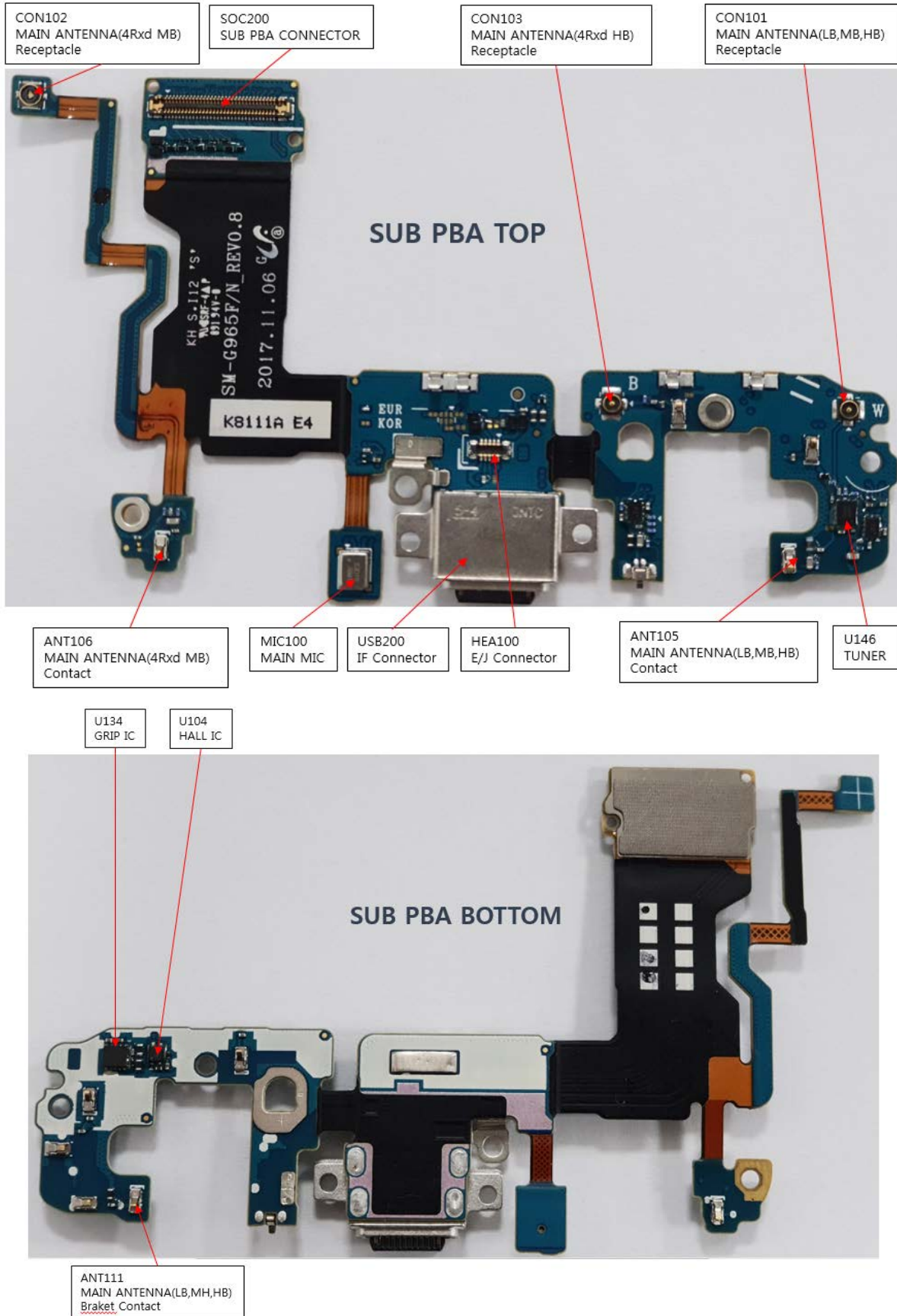
### 8-1. Components Layout



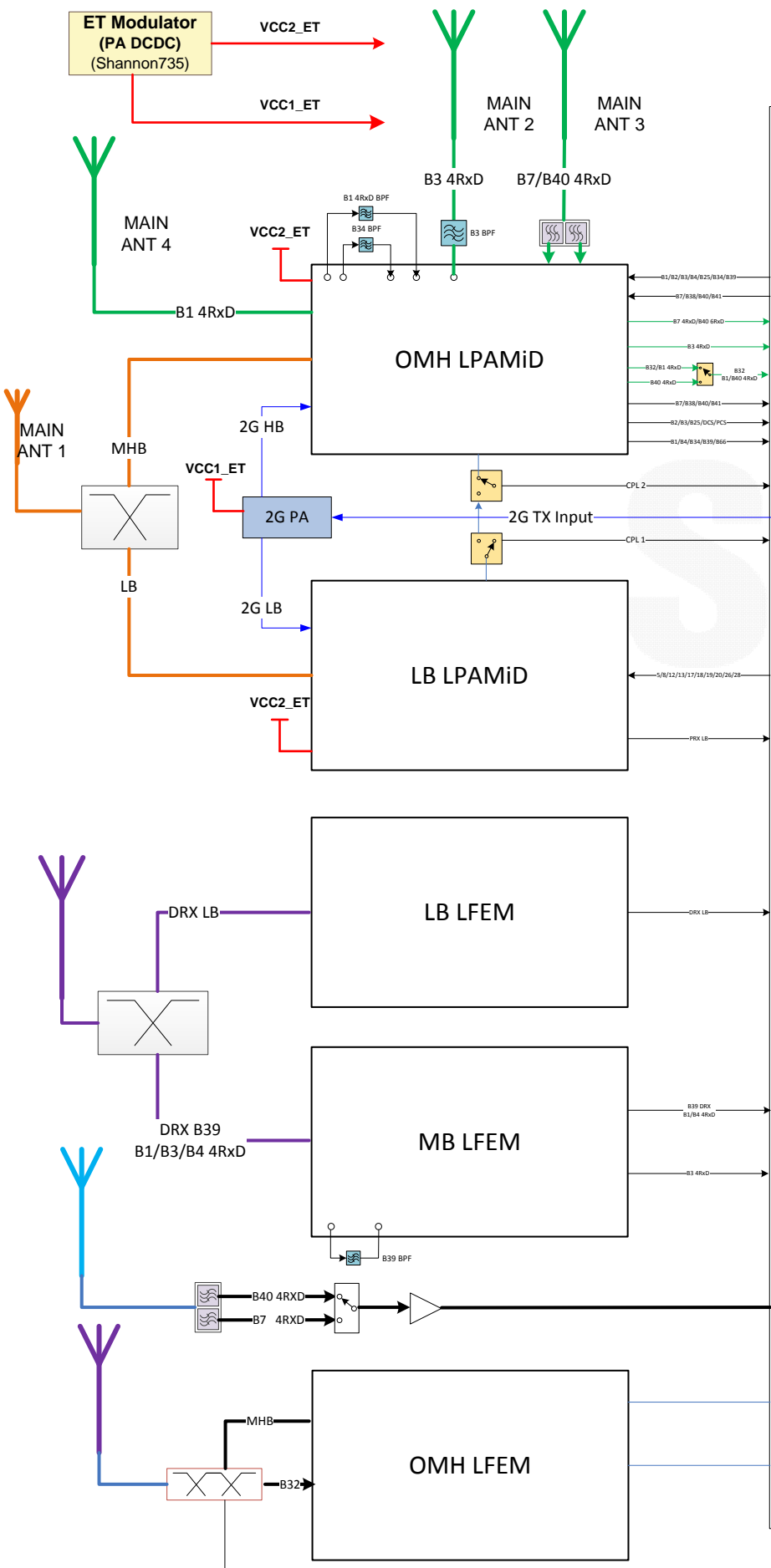
## 8. Level 3 Repair



## 8. Level 3 Repair

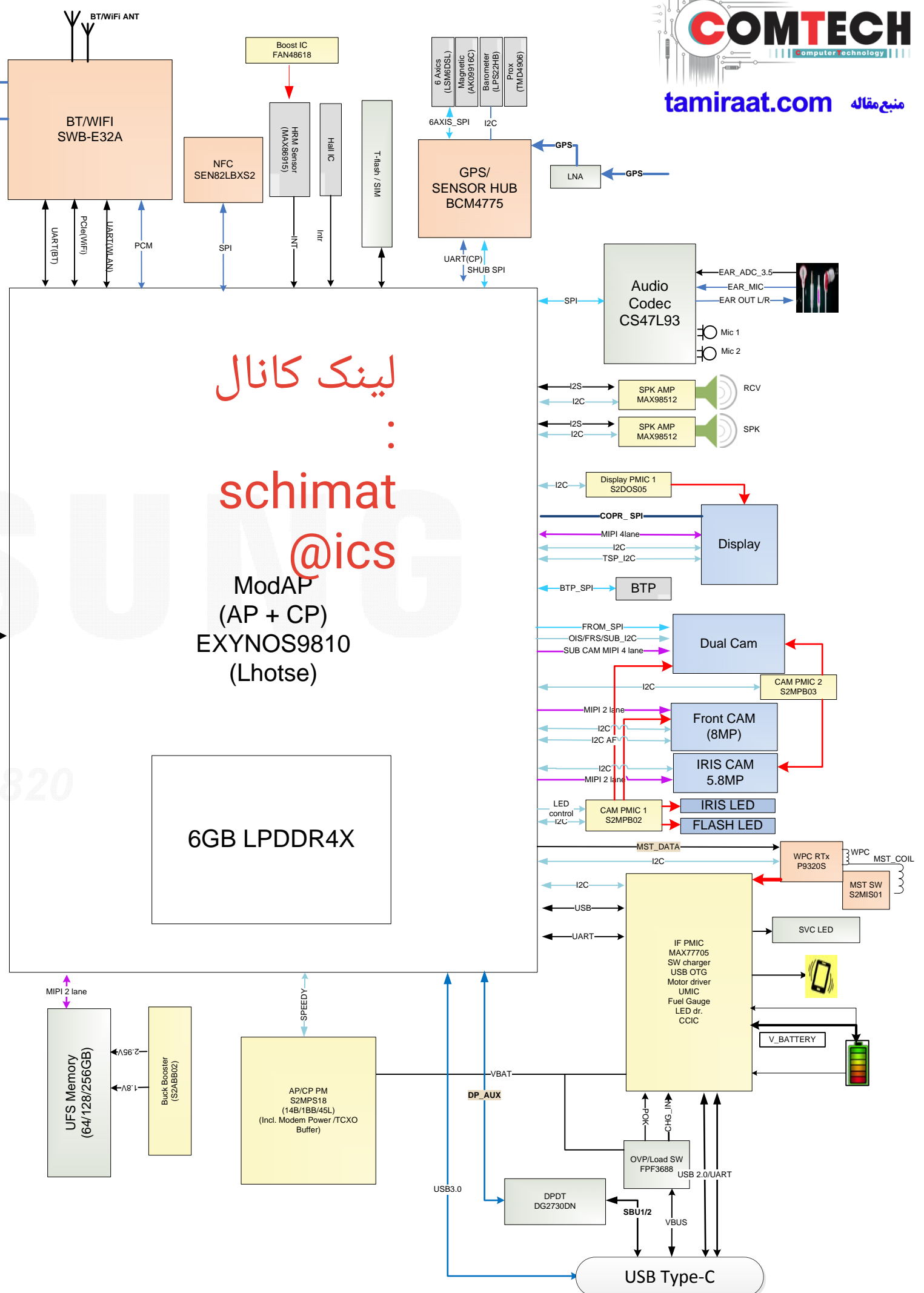


**Star2 Eur 0.9**



لينك كانال :  
**schimat@ics**

**Transceiver SHANNON965**

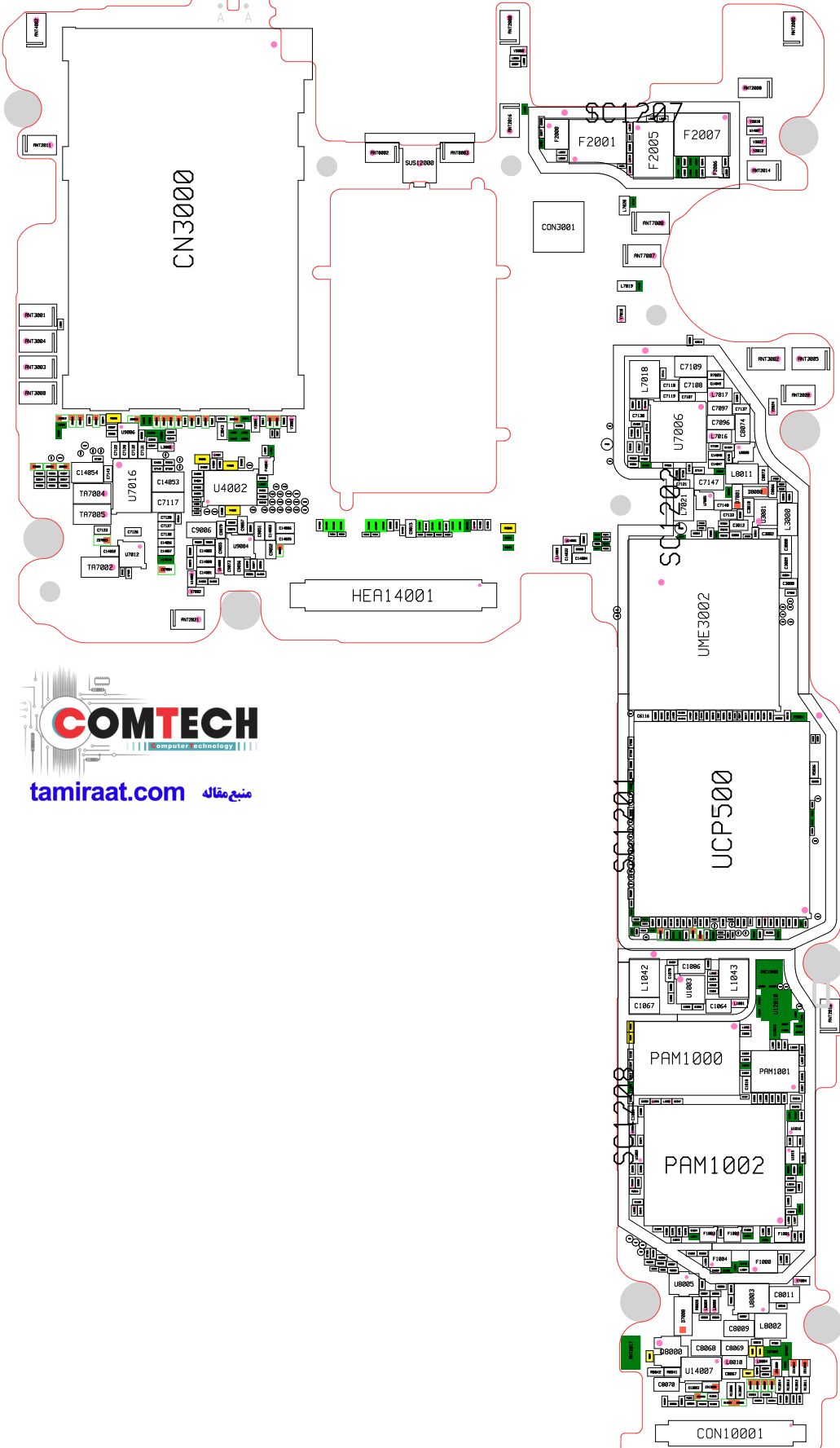


لينك كانال :  
**schimat@ics**

ModAP  
(AP + CP)  
EXYNOS9810  
(Lhotse)

6GB LPDDR4X





CN3000

HEA14001

UME3002

UCP500

PAM1000

PAM1002

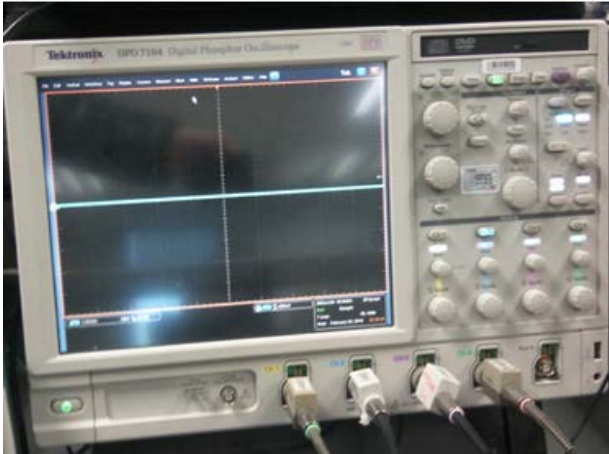


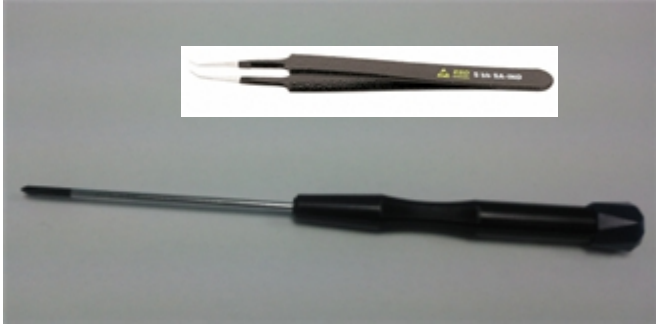
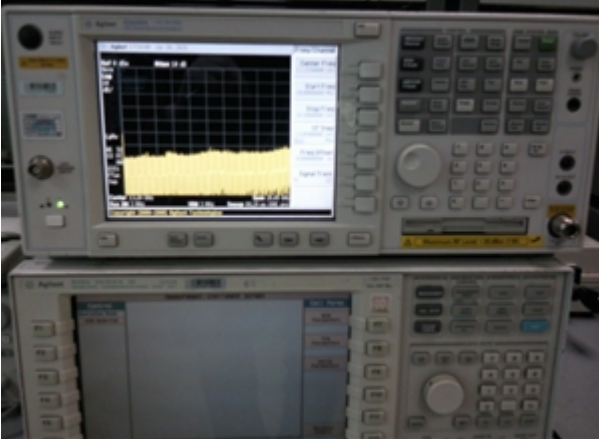

CON1001



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## 8. Level 3 Repair

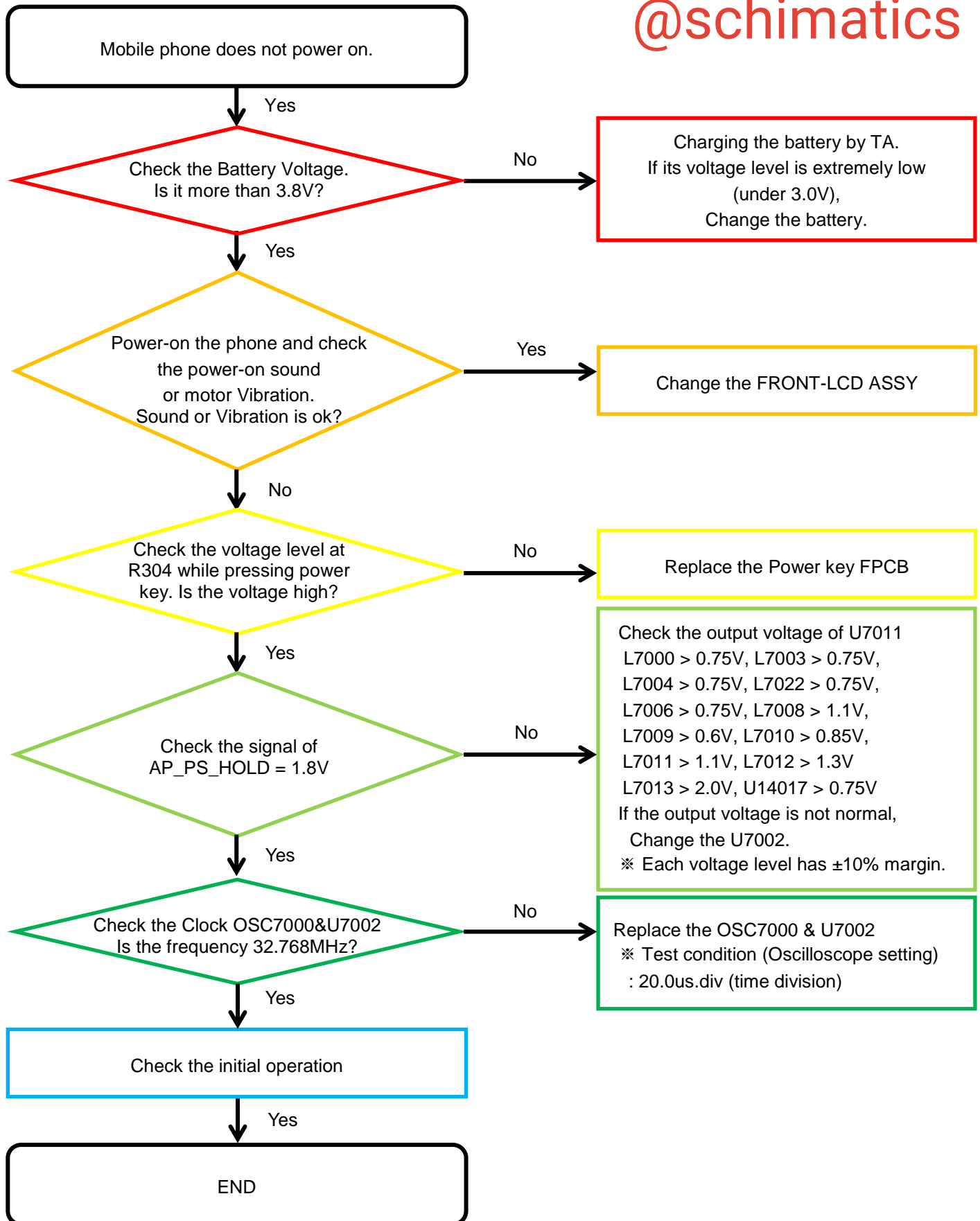
### 8-3. Flow chart of Troubleshooting.

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

## 8. Level 3 Repair

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### 8-4-1. Power On

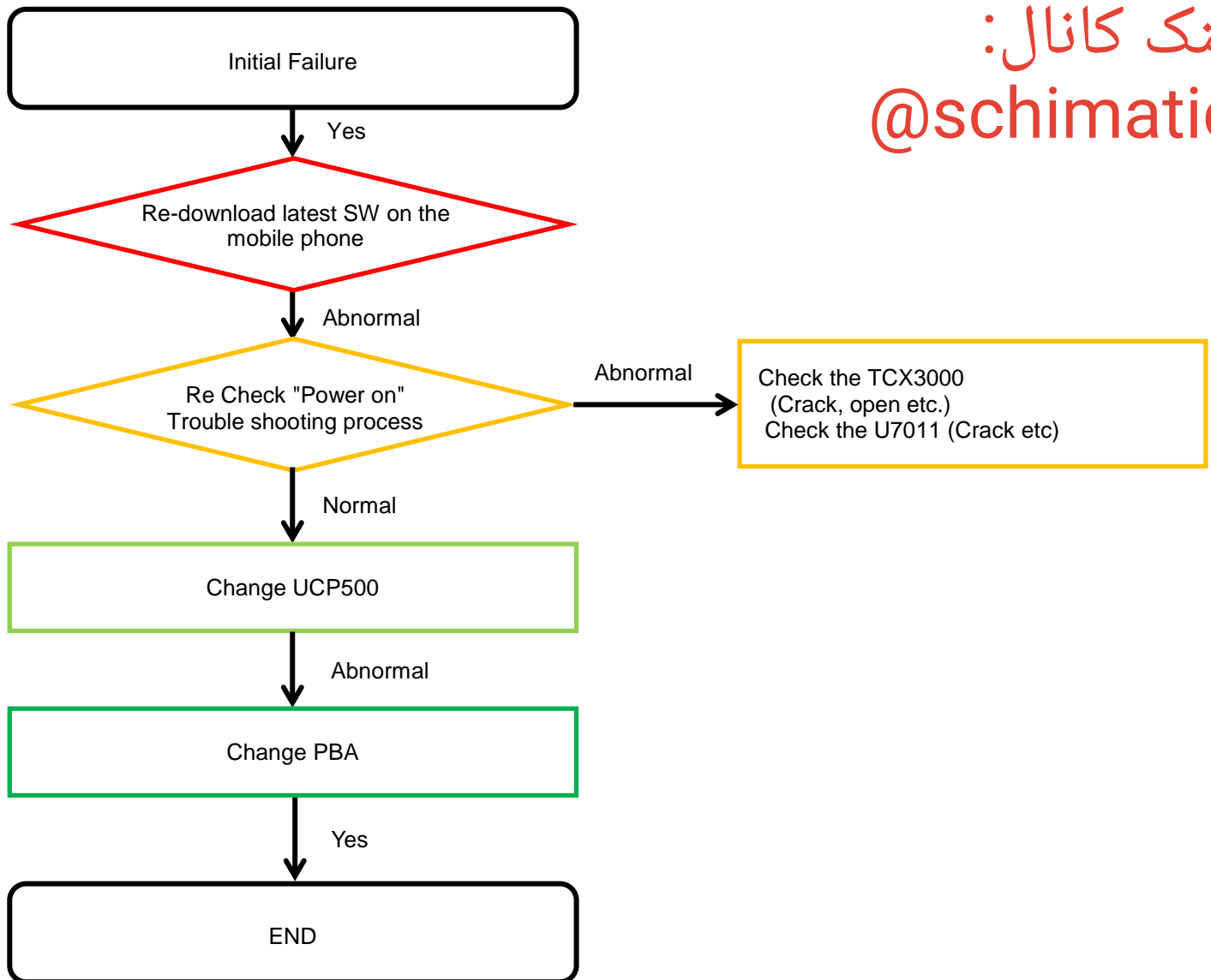




## 8. Level 3 Repair

### 8-4-2. Initial

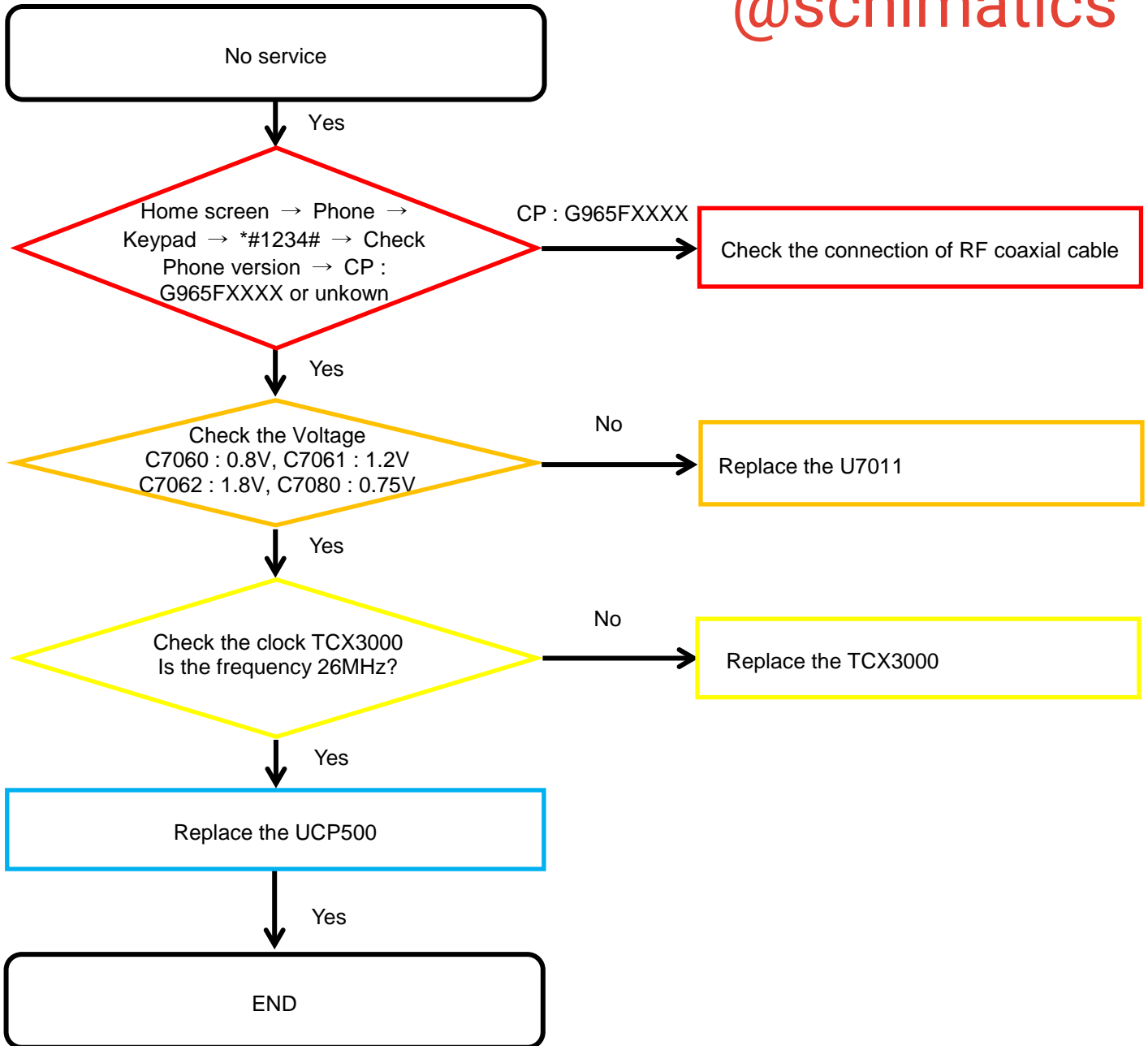
لينك كانال:  
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## 8. Level 3 Repair

### 8-4-3. No Service

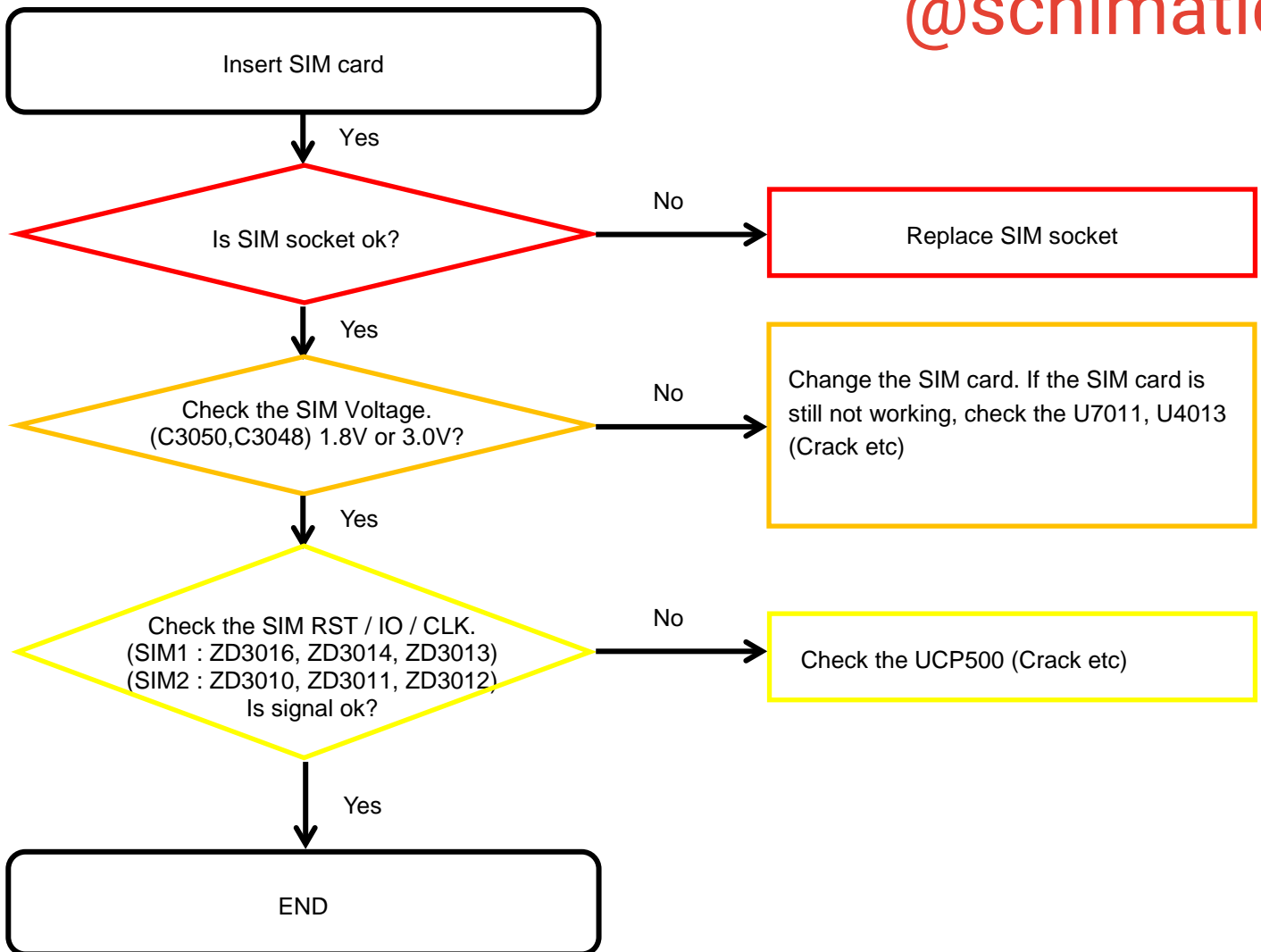
لینک کانال:  
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## 8. Level 3 Repair

### 8-4-4. SIM Part

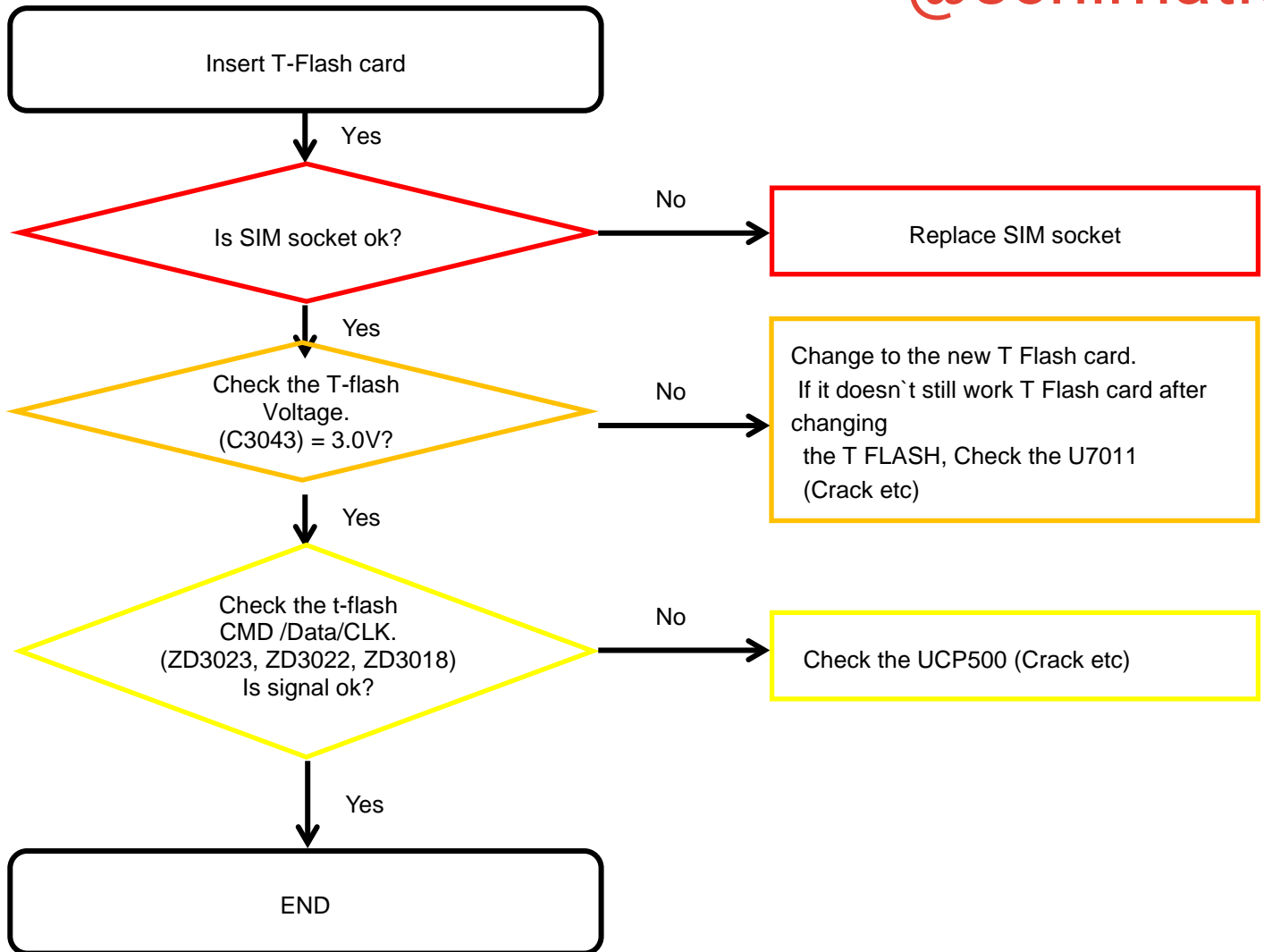
لينك كانال:  
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## 8. Level 3 Repair

### 8-4-5. T-Flash Part

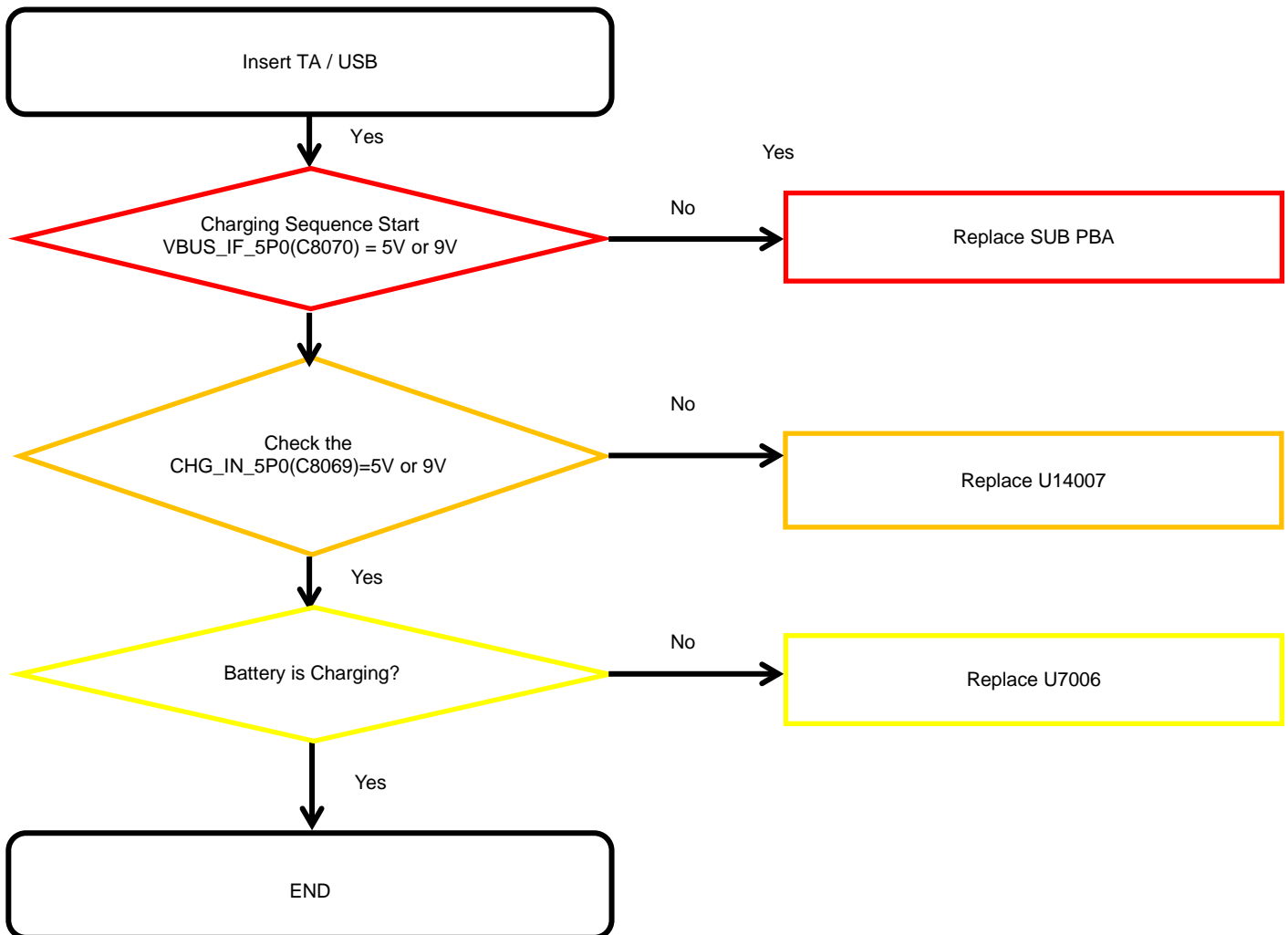
لینک کانال:  
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## 8. Level 3 Repair

### 8-4-6-1. Cable Charging Part (Normal/Fast)

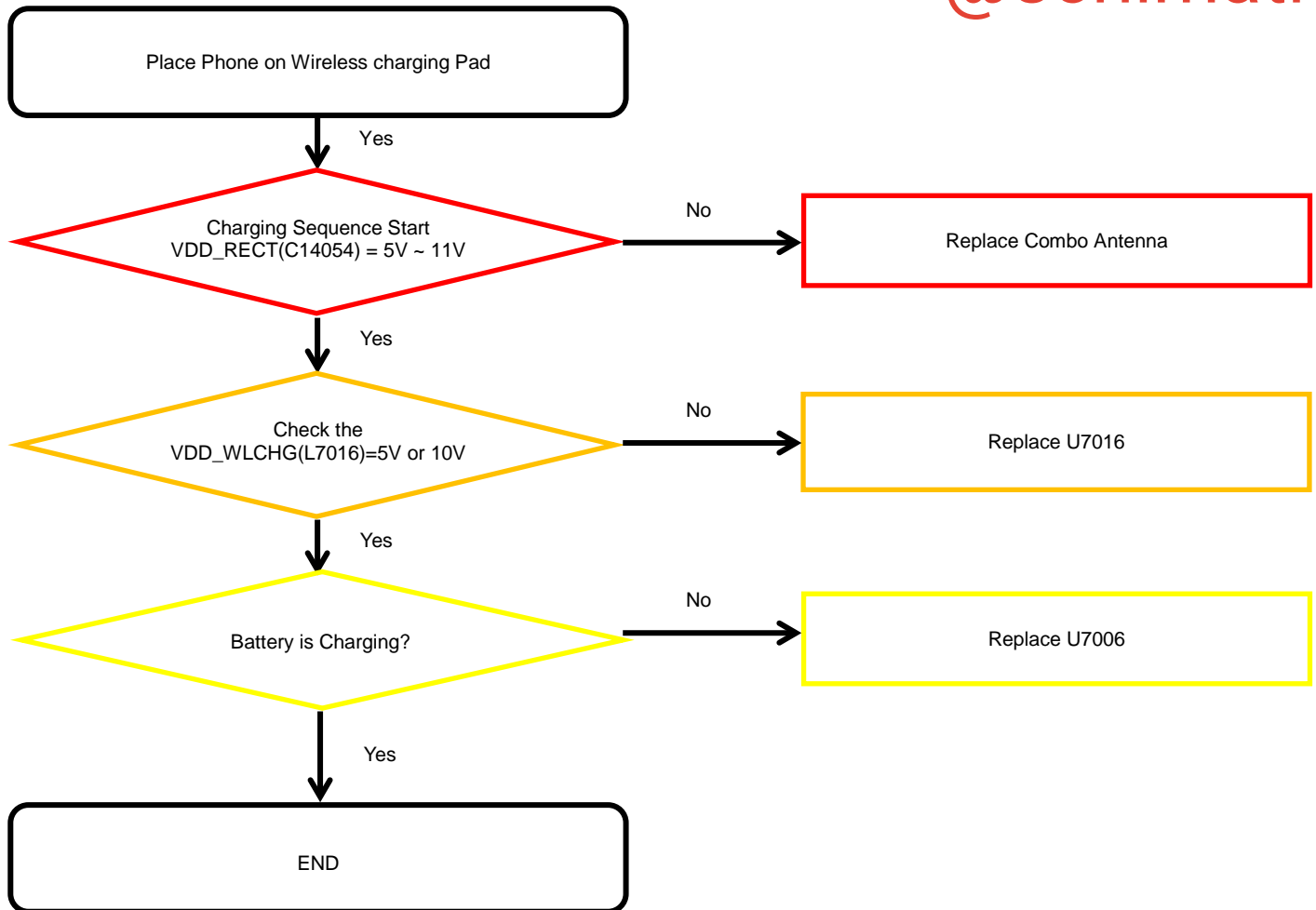
@schimatics



## 8. Level 3 Repair

### 8-4-6-2. Wireless Charging Part (Normal/Fast)

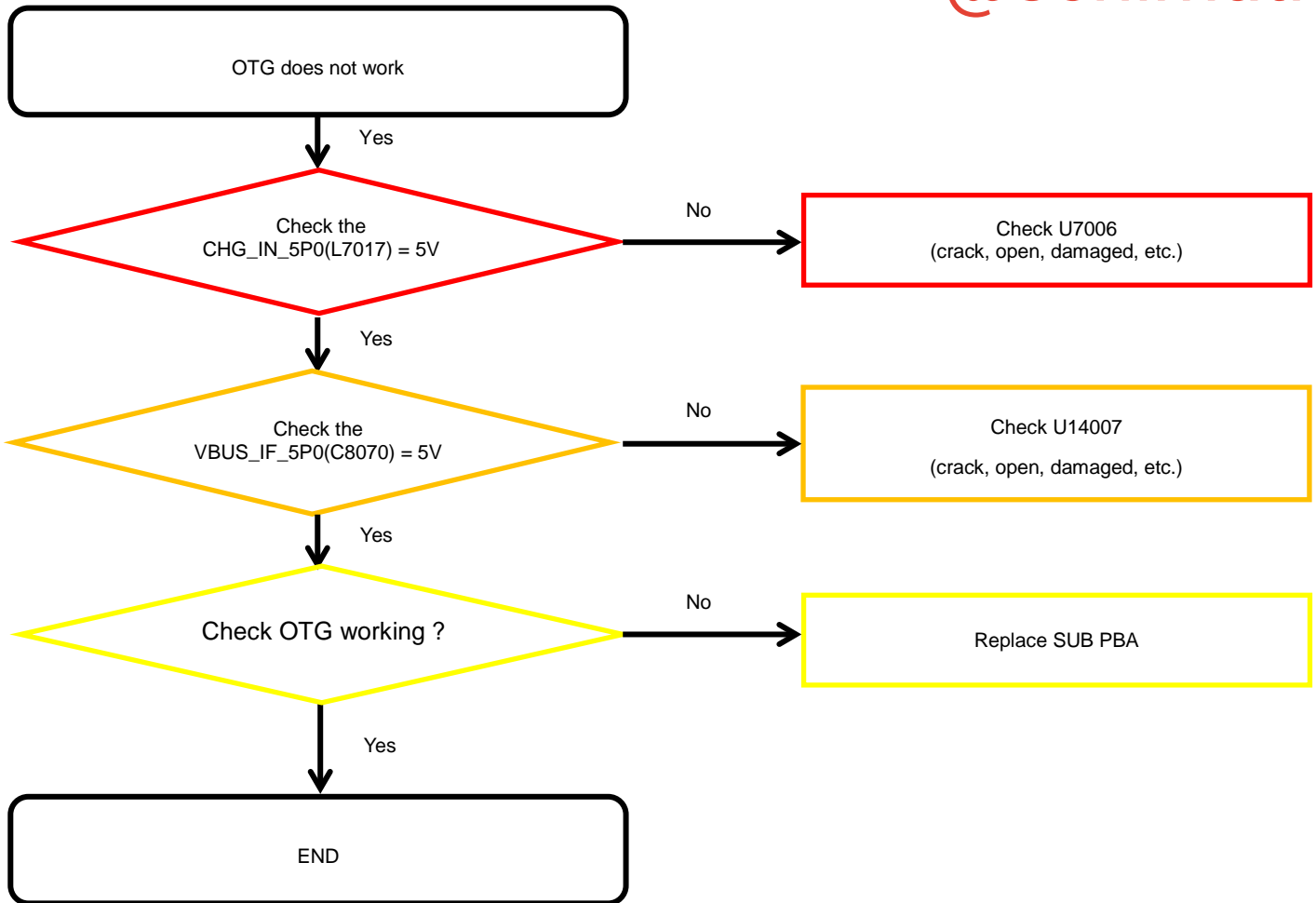
لینک کانال:  
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## 8. Level 3 Repair

### 8-4-7. OTG

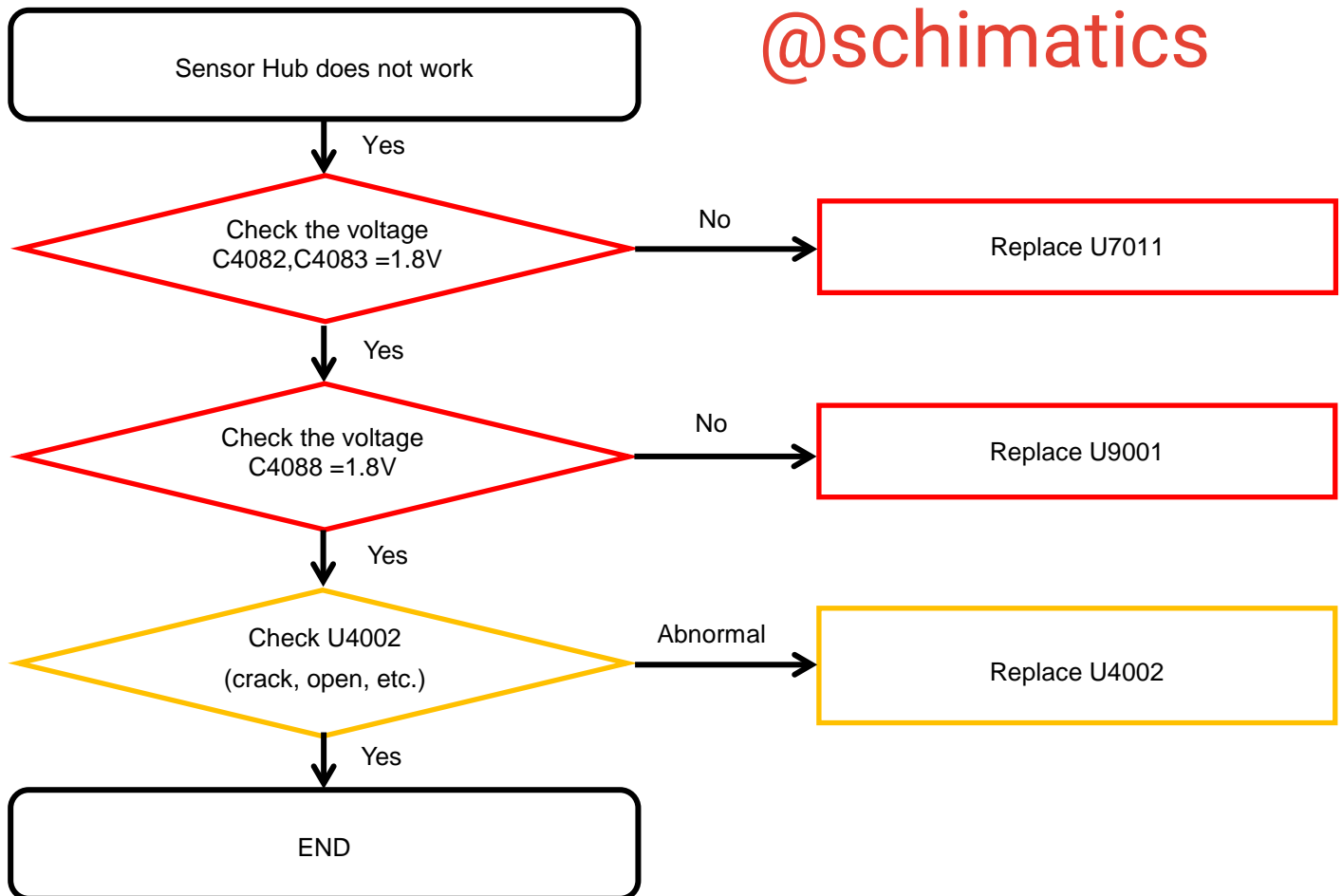
لینک کانال:  
@schimatics



## 8. Level 3 Repair

### 8-4-8-1. Sensor Hub

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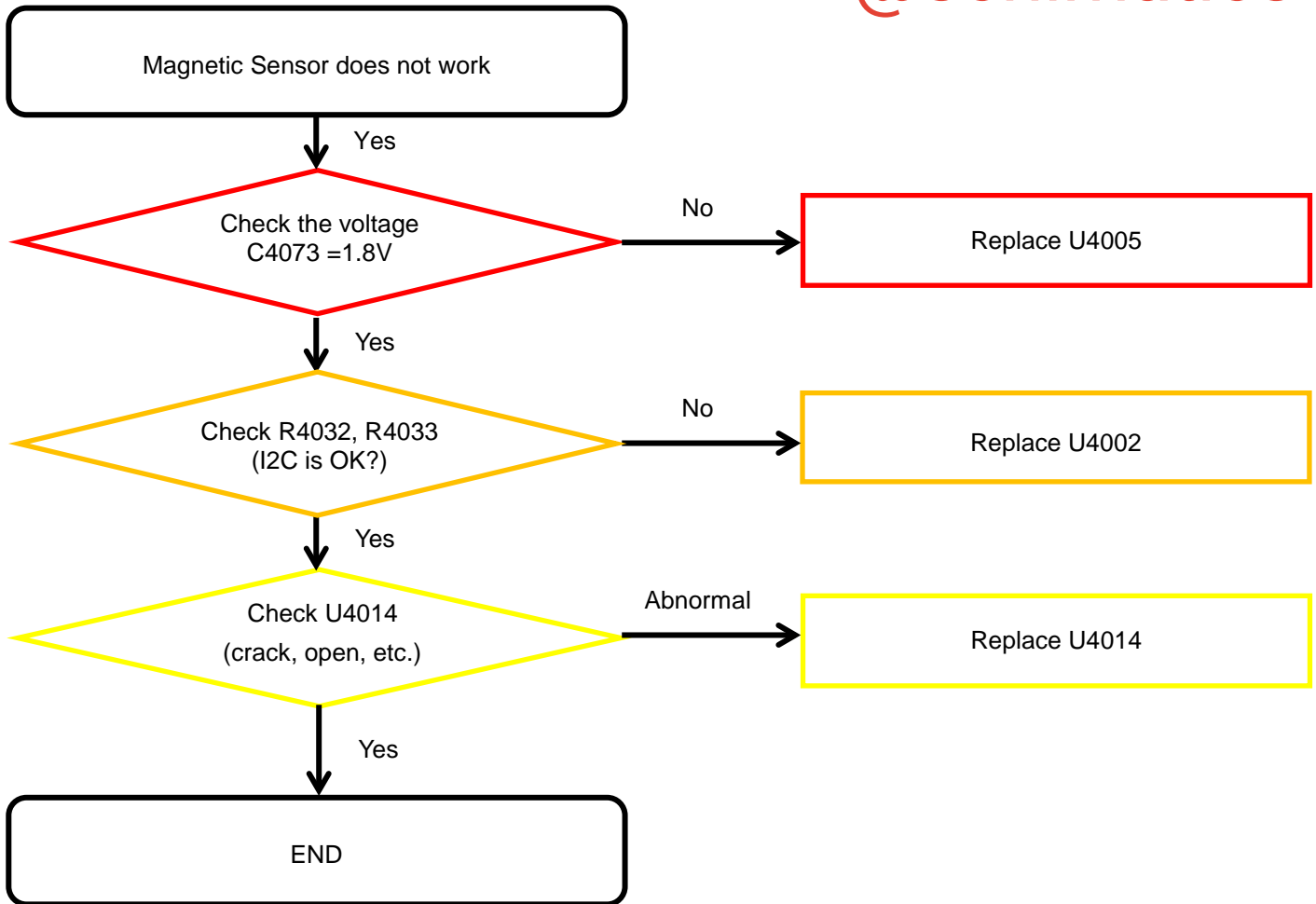




## 8. Level 3 Repair

### 8-4-8-2. Magnetic Sensor

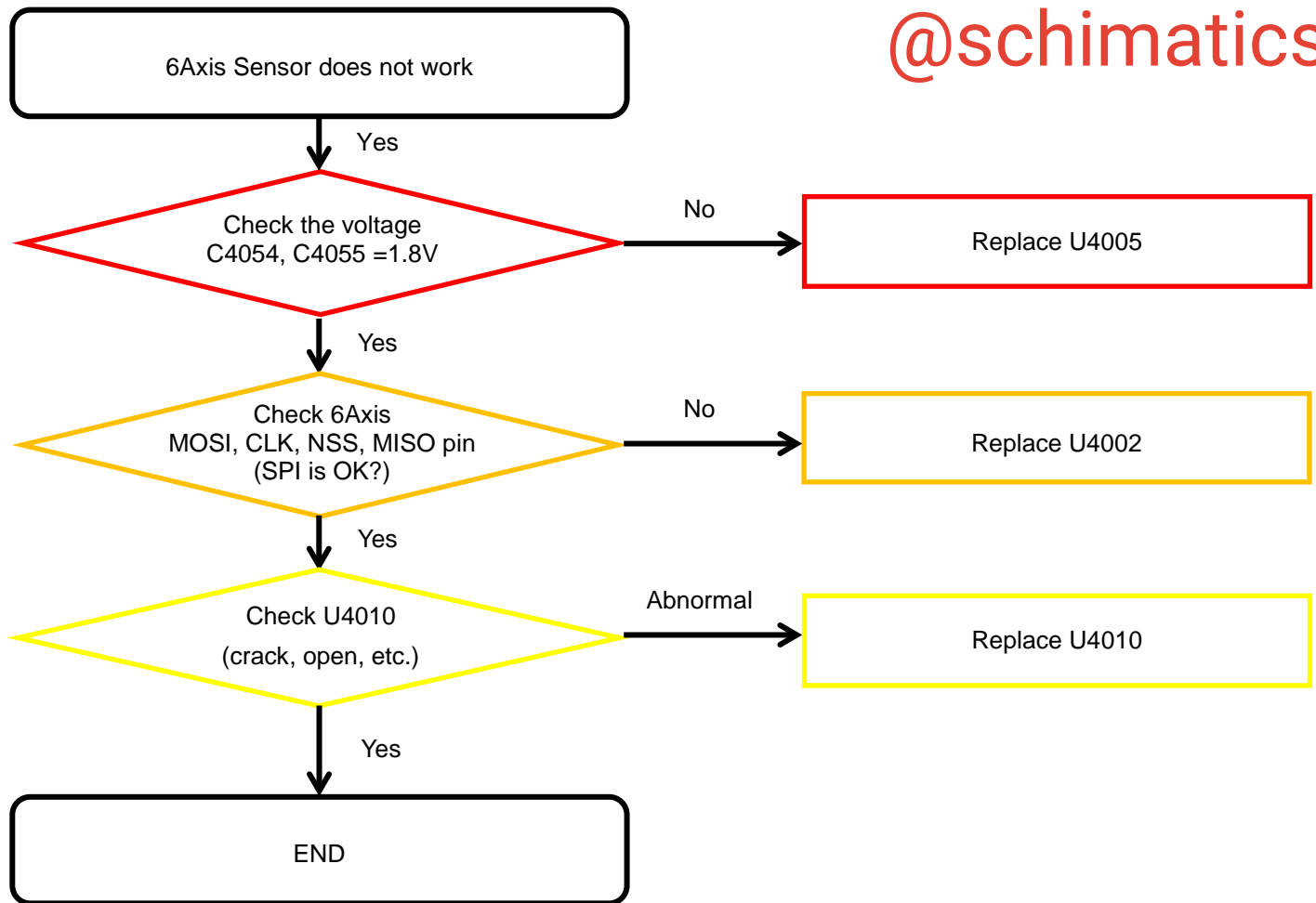
لینک کانال:  
@schimatics



## 8. Level 3 Repair

### 8-4-8-3. 6Axis Sensor

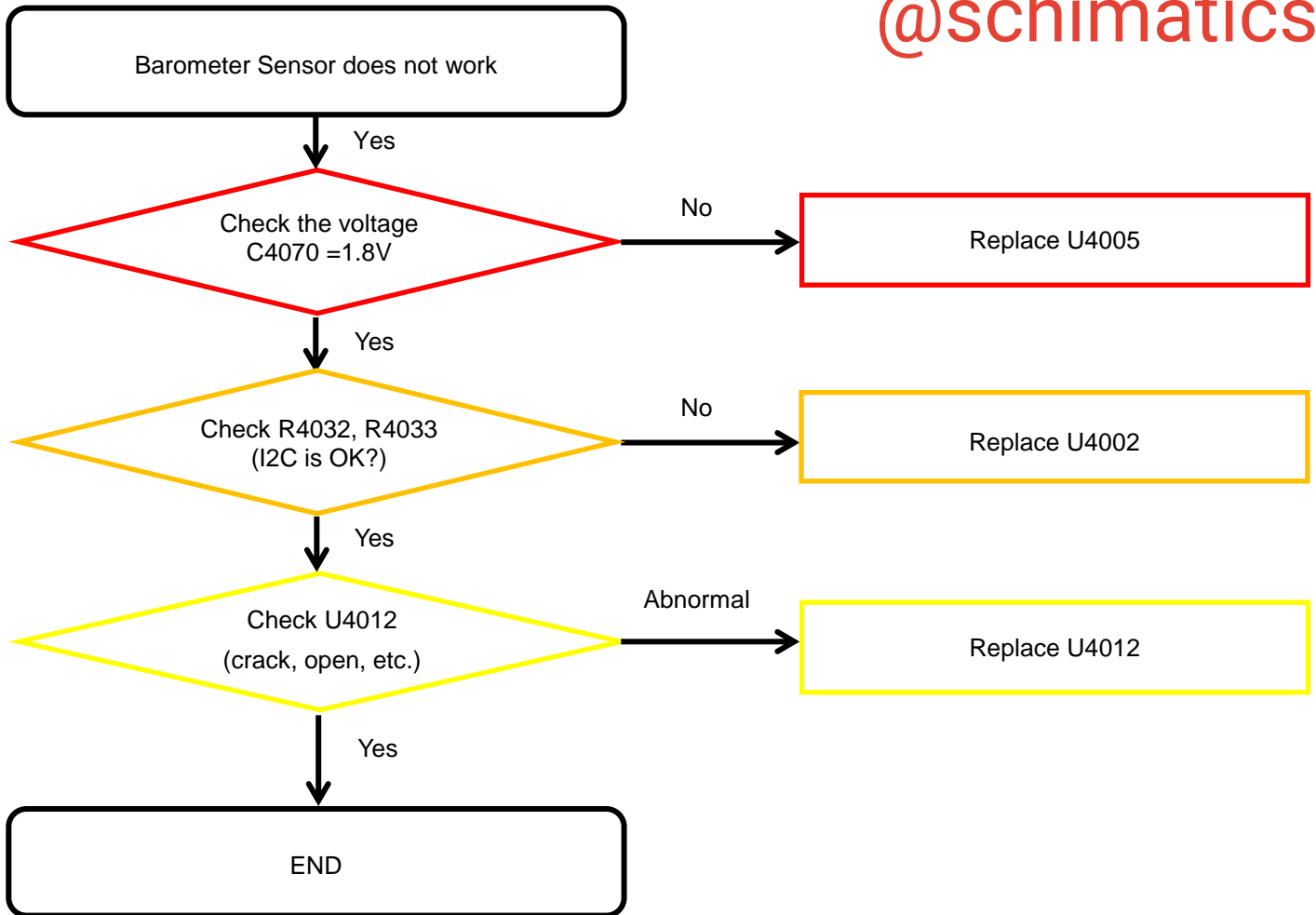
لينك كانال:  
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## 8. Level 3 Repair

### 8-4-8-4. Barometer sensor

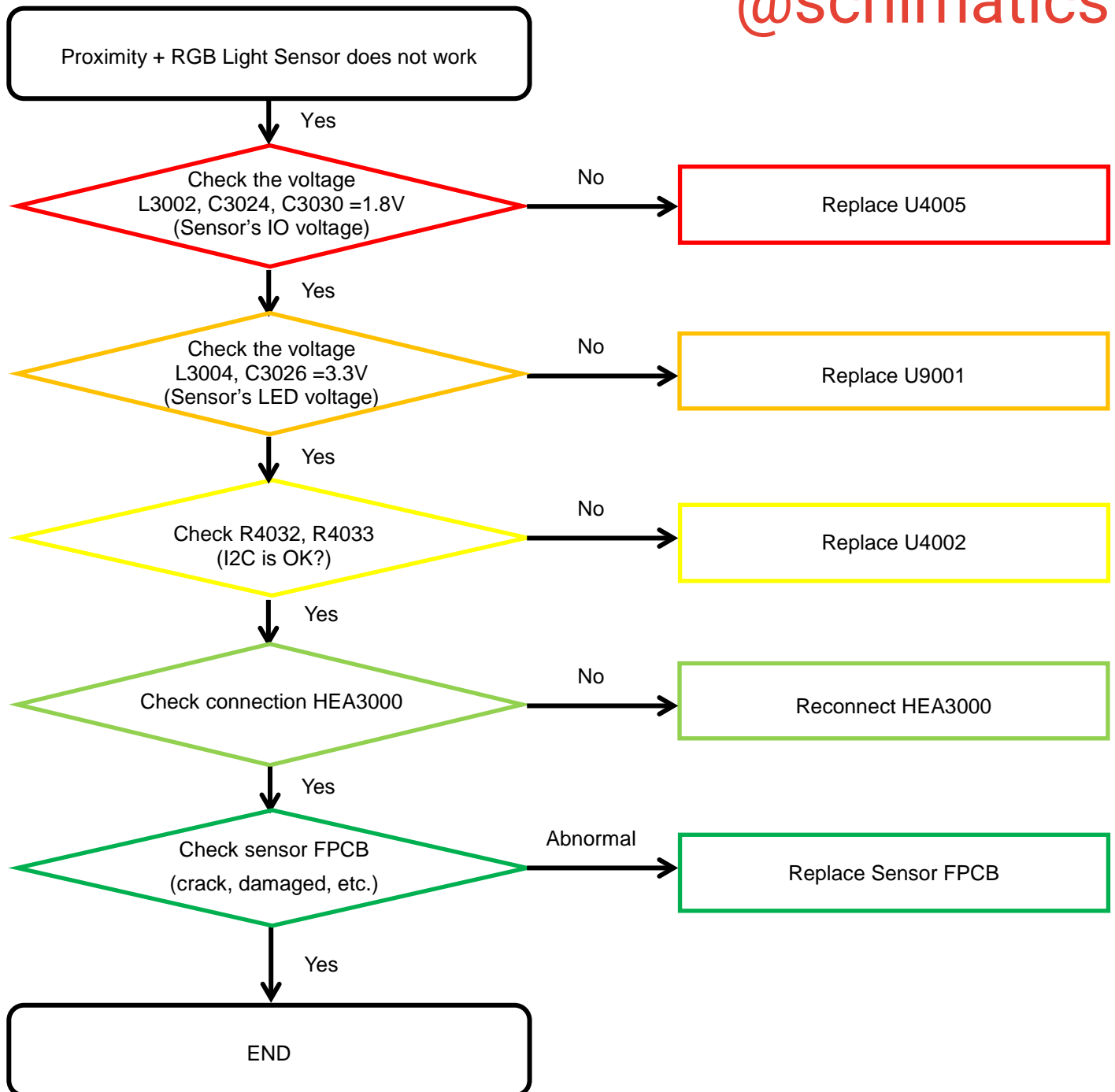
لينك كانال:  
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## 8. Level 3 Repair

### 8-4-8-5. Proximity + RGB Light sensor

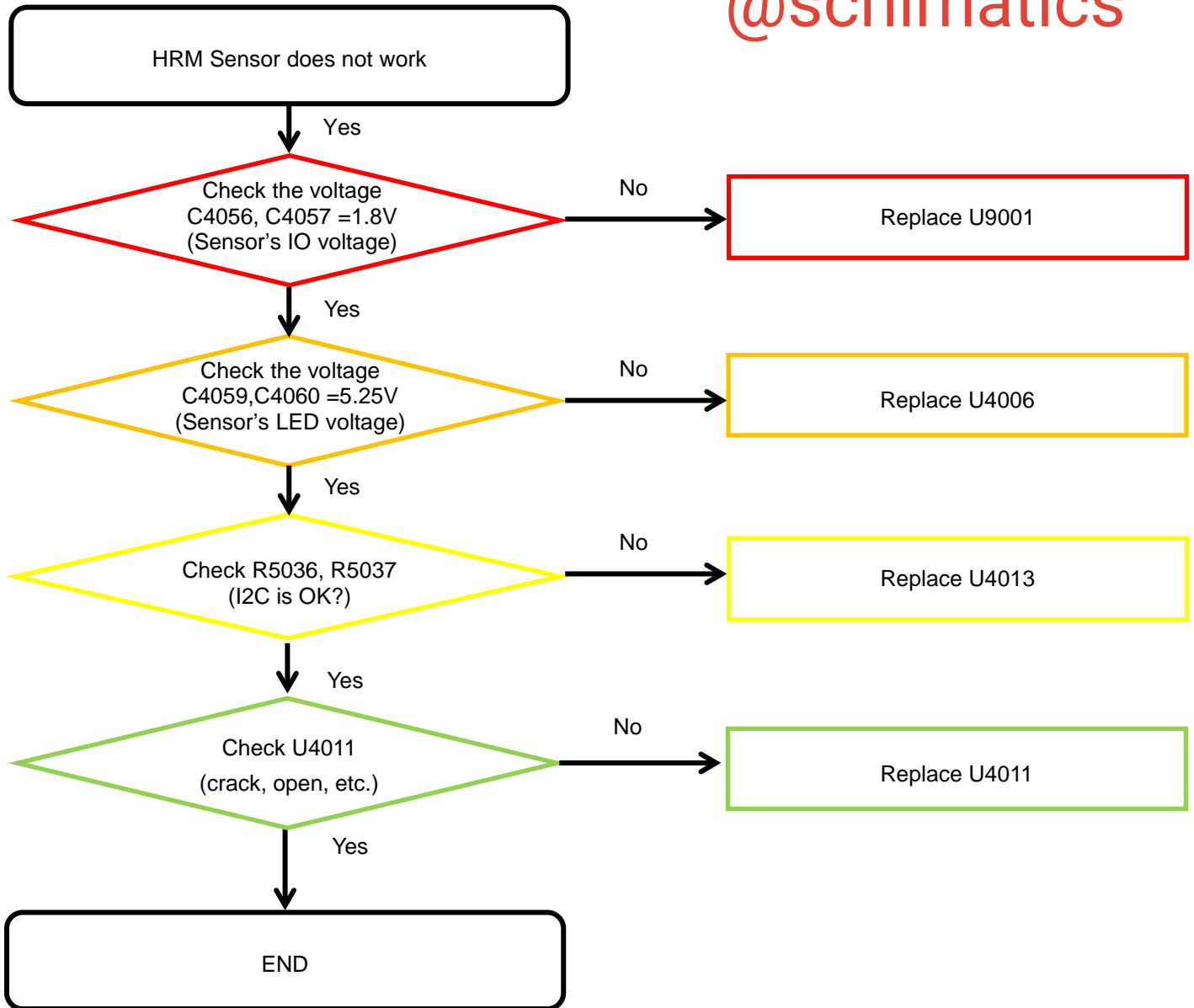
لینک کانال:
   
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## 8. Level 3 Repair

### 8-4-8-6. HRM Sensor

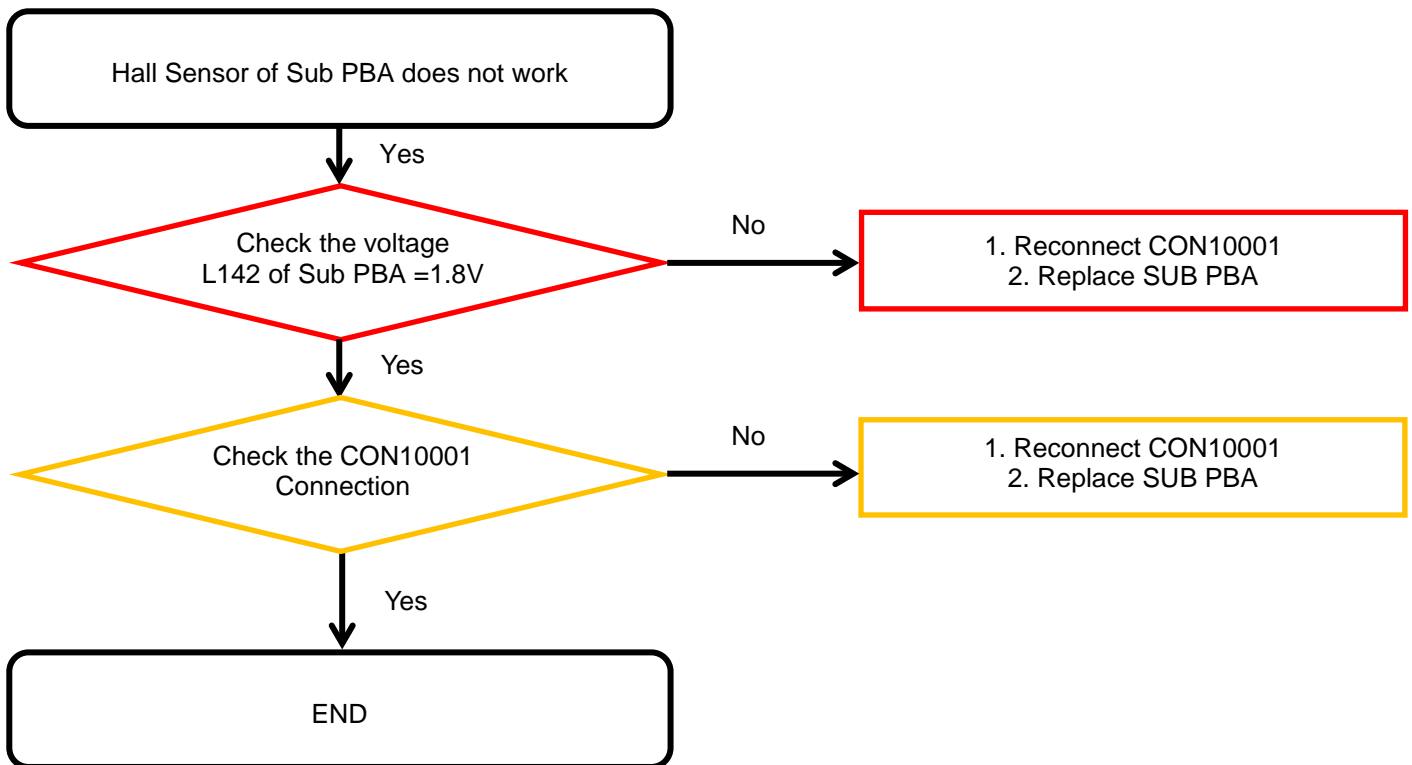
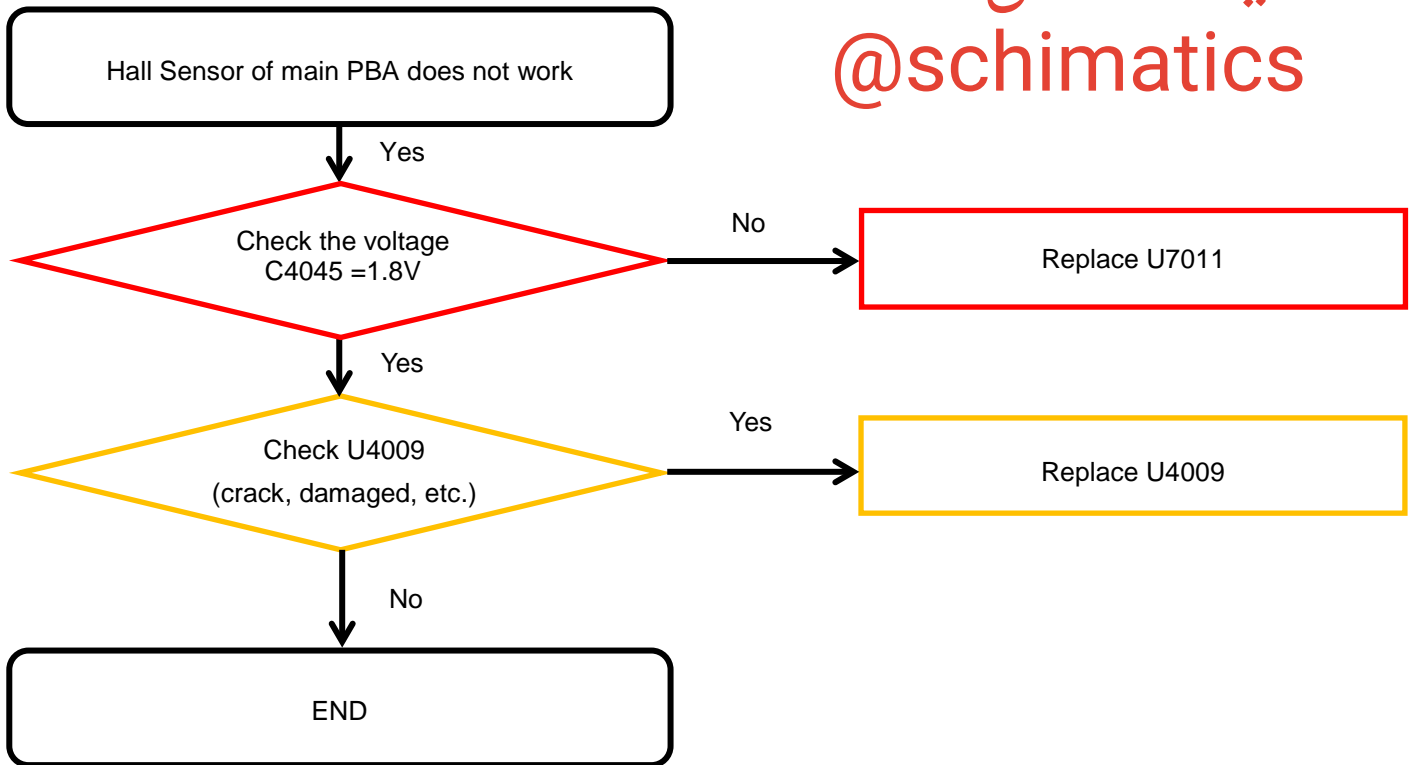
لینک کانال:  
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## 8. Level 3 Repair

### 8-4-8-7. Hall Sensor

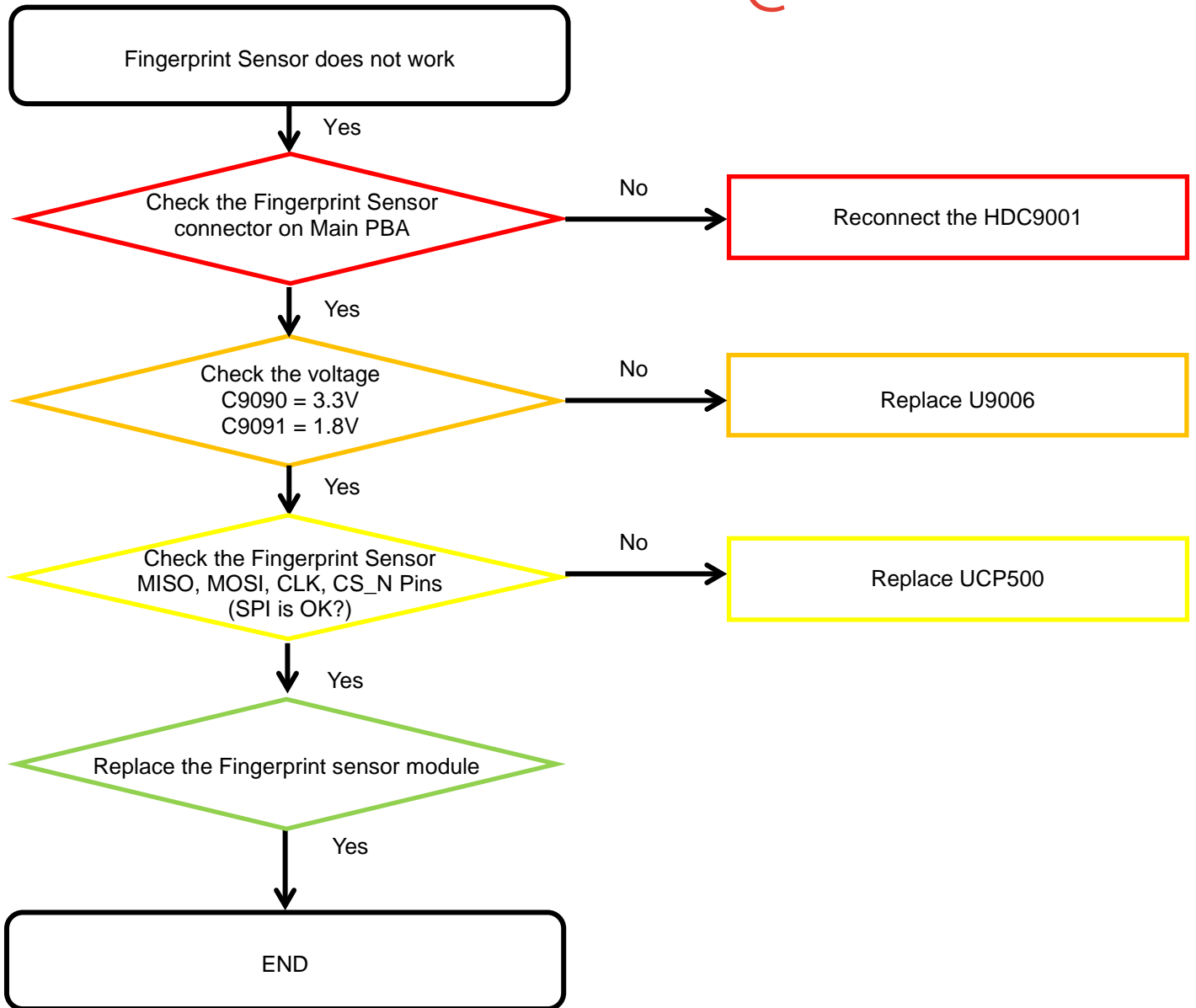
لینک کانال:  
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## 8. Level 3 Repair

### 8-4-8-8. Fingerprint Sensor

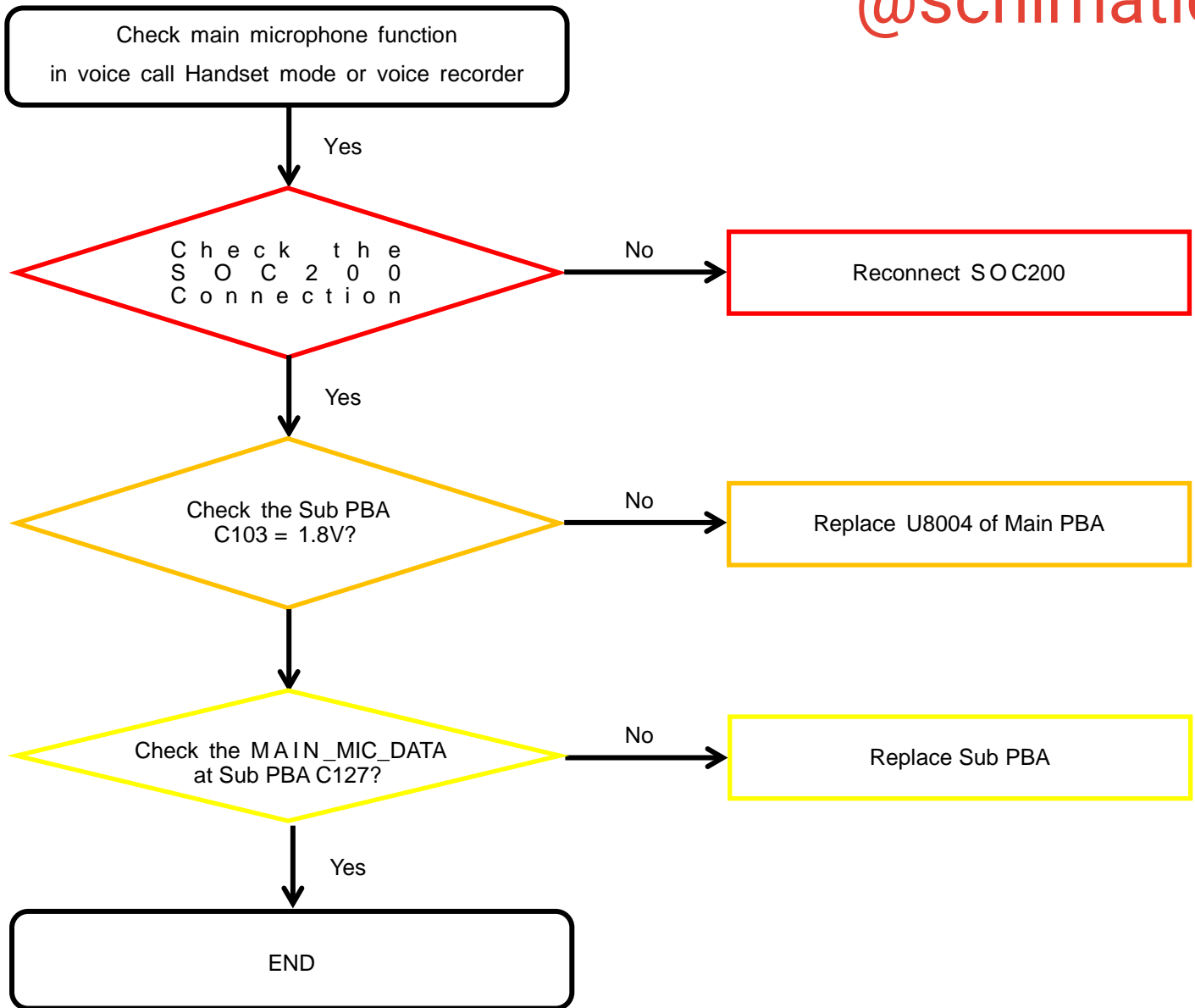
لینک کانال:  
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## 8. Level 3 Repair

### 8-4-9-1. Microphone Part - Main MIC

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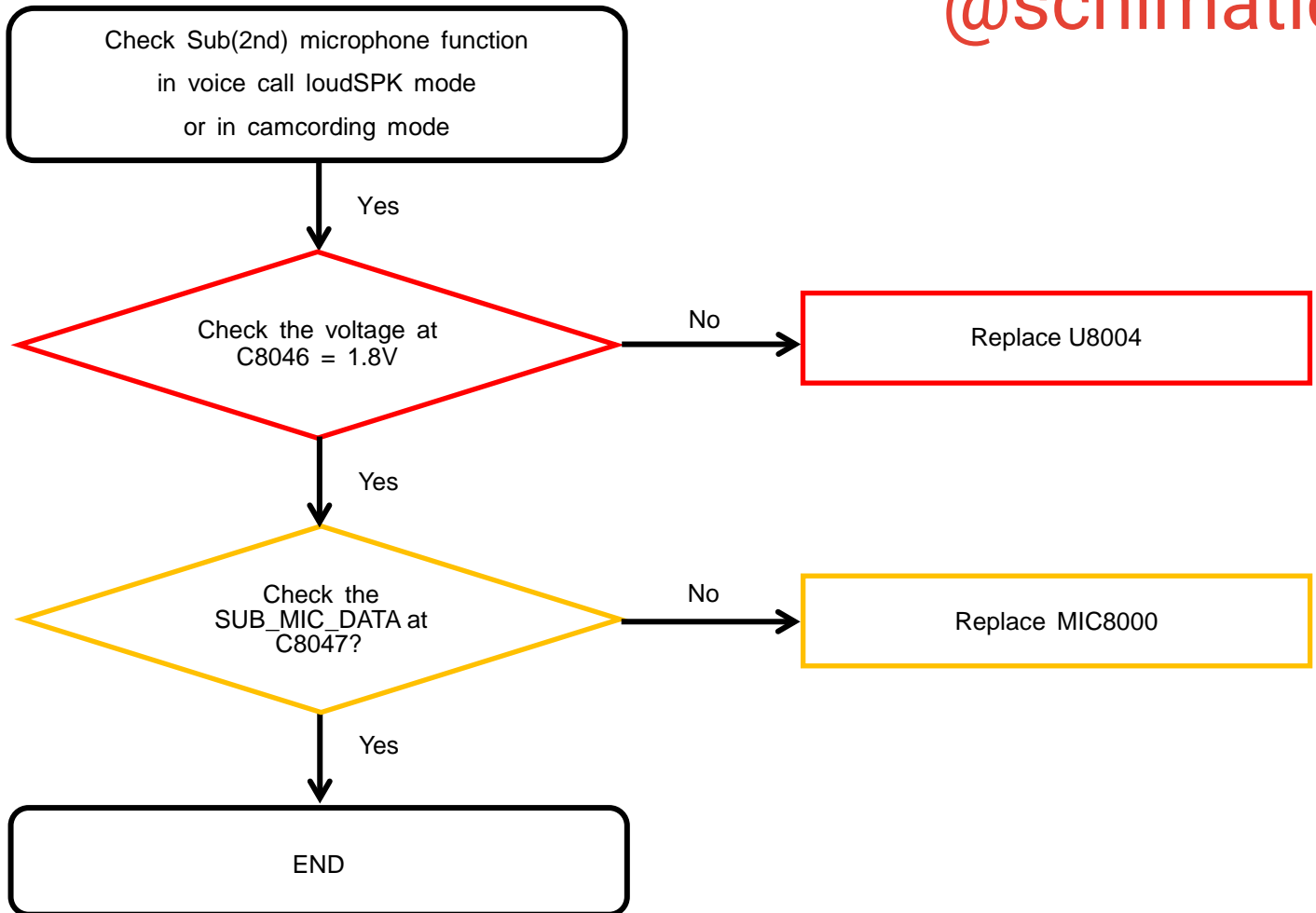




## 8. Level 3 Repair

### 8-4-9-2. Microphone Part - Sub(2nd) MIC

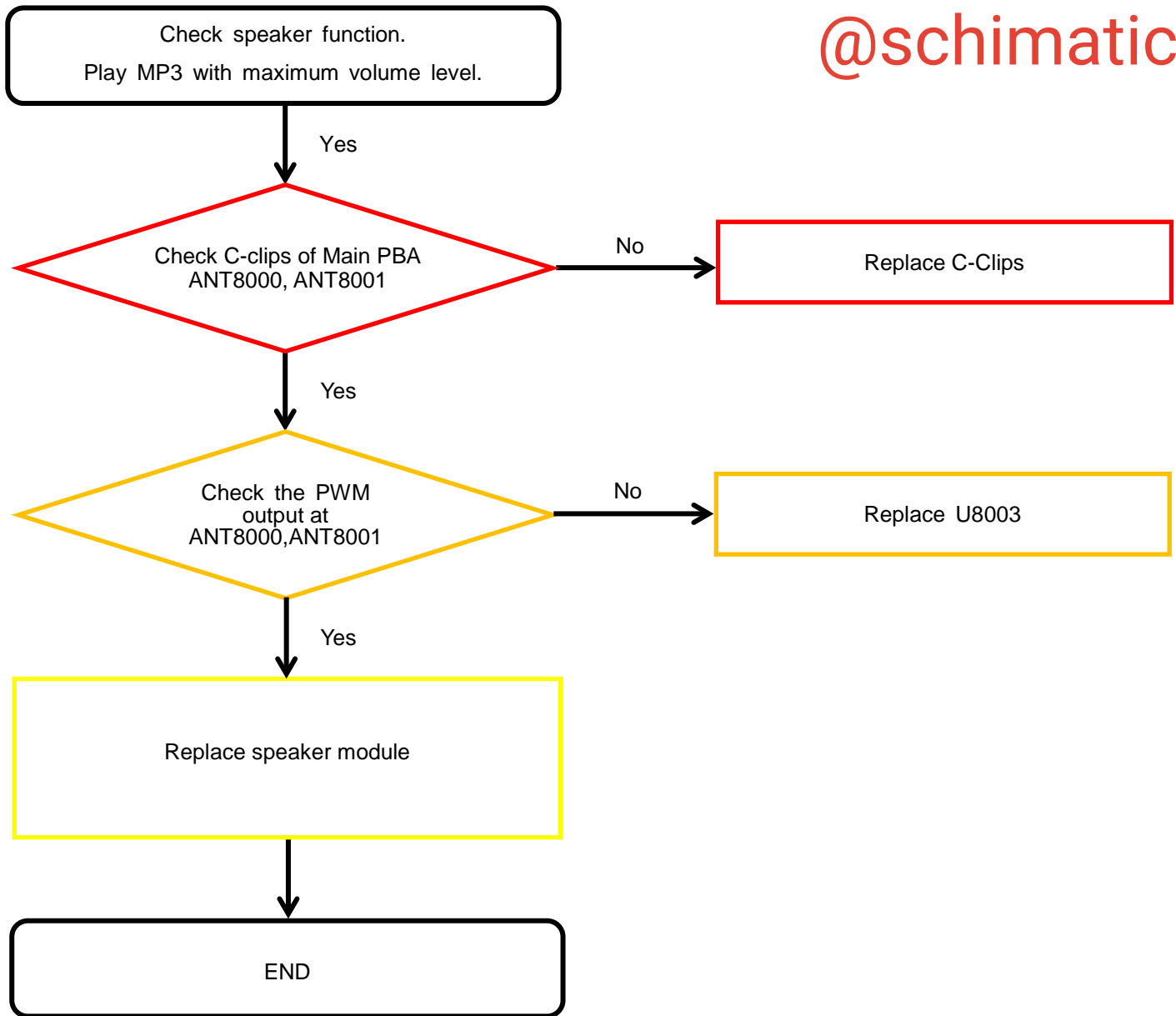
لينك كانال:  
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## 8. Level 3 Repair

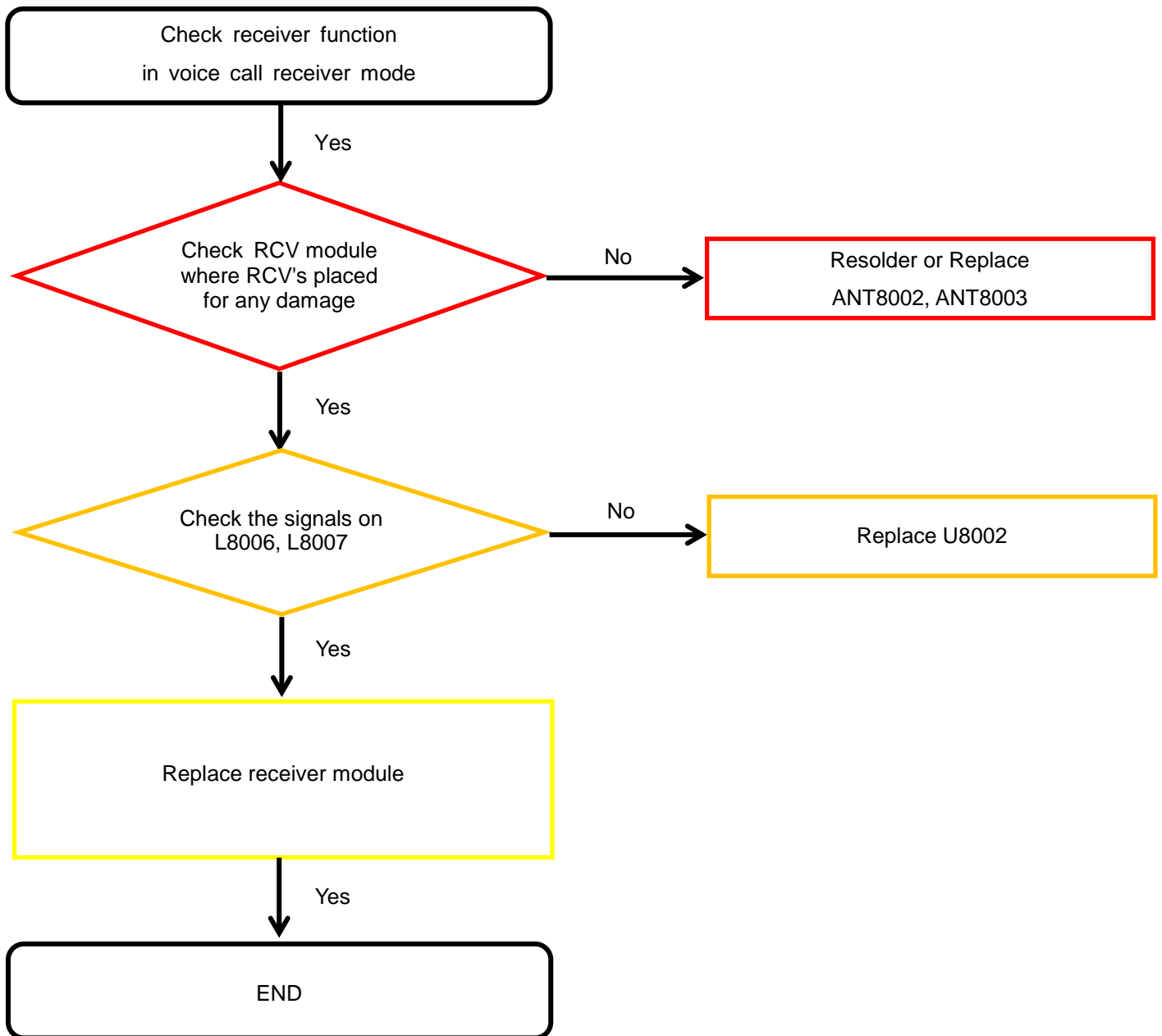
### 8-4-10. Speaker Part

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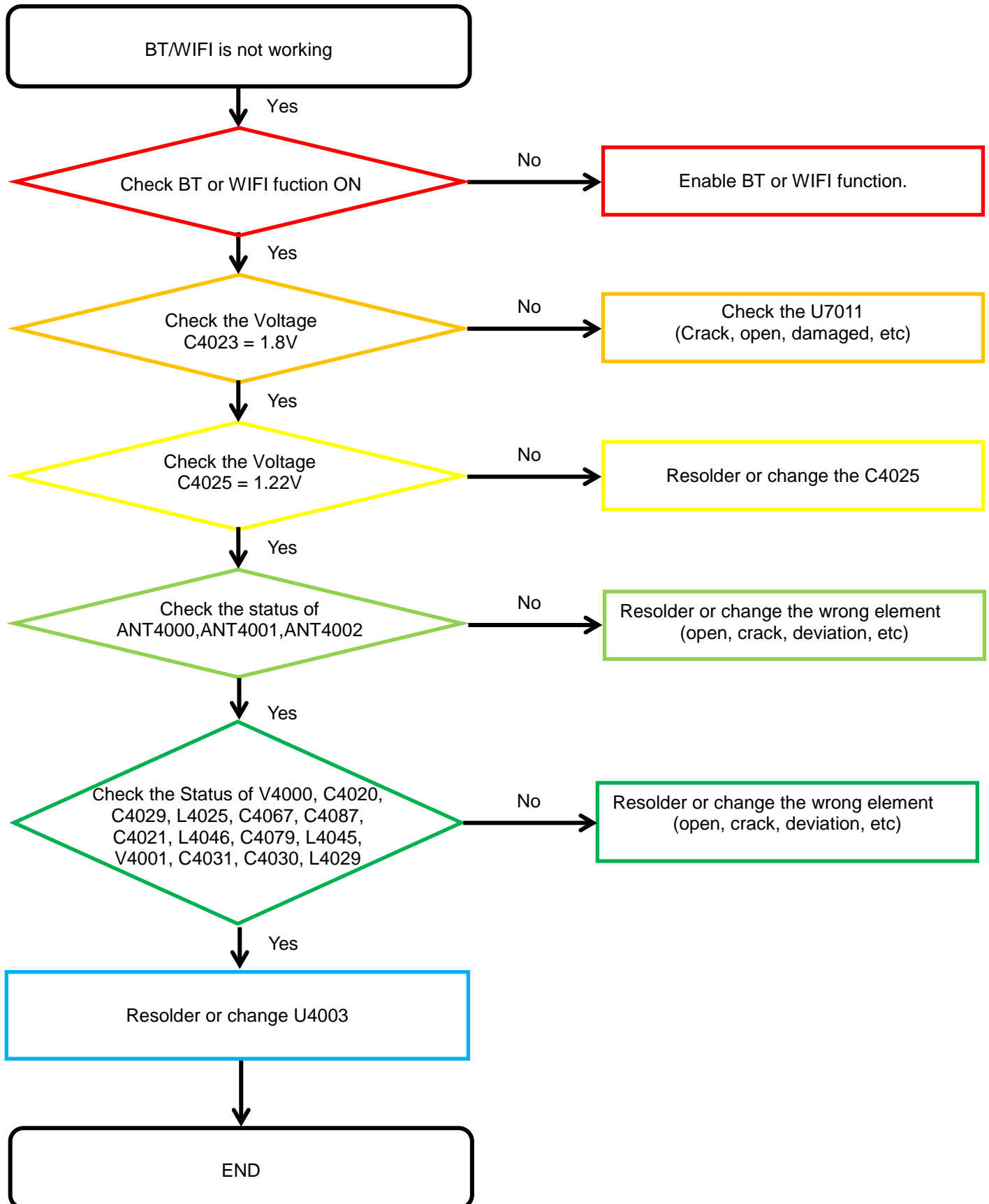
## 8. Level 3 Repair

### 8-4-11. Receiver Part



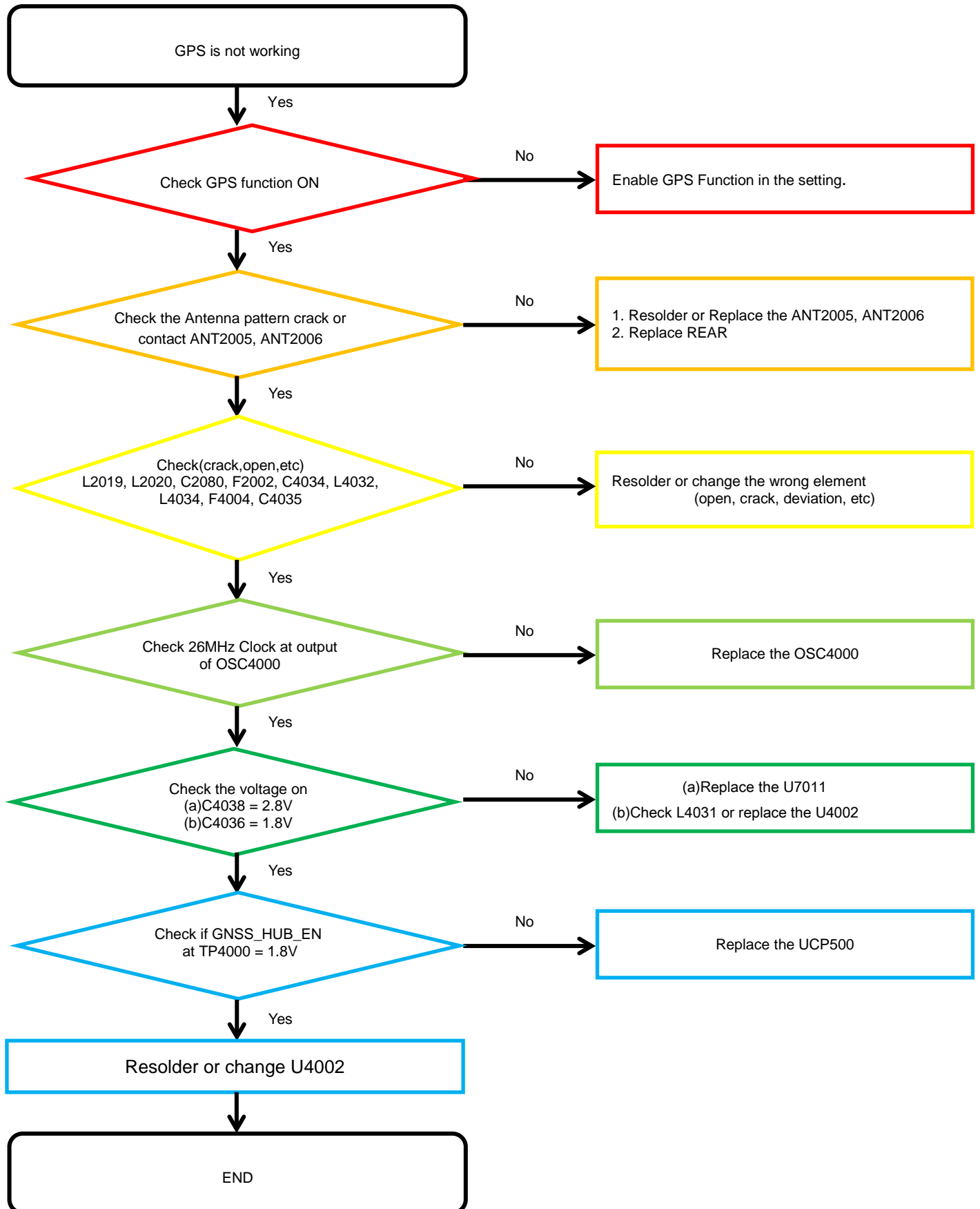
## 8. Level 3 Repair

### 8-4-12. BT/WIFI



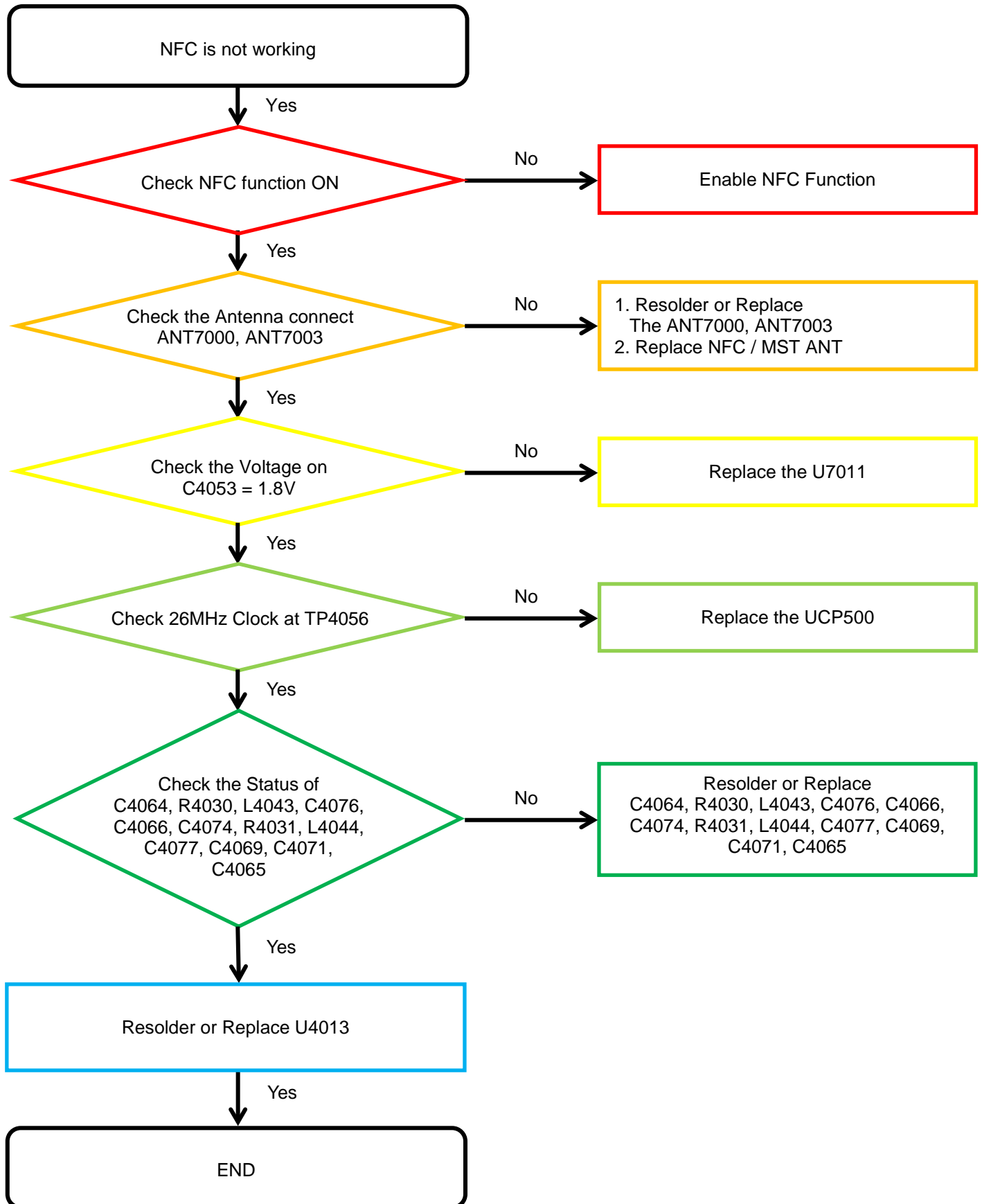
## 8. Level 3 Repair

### 8-4-13. GPS



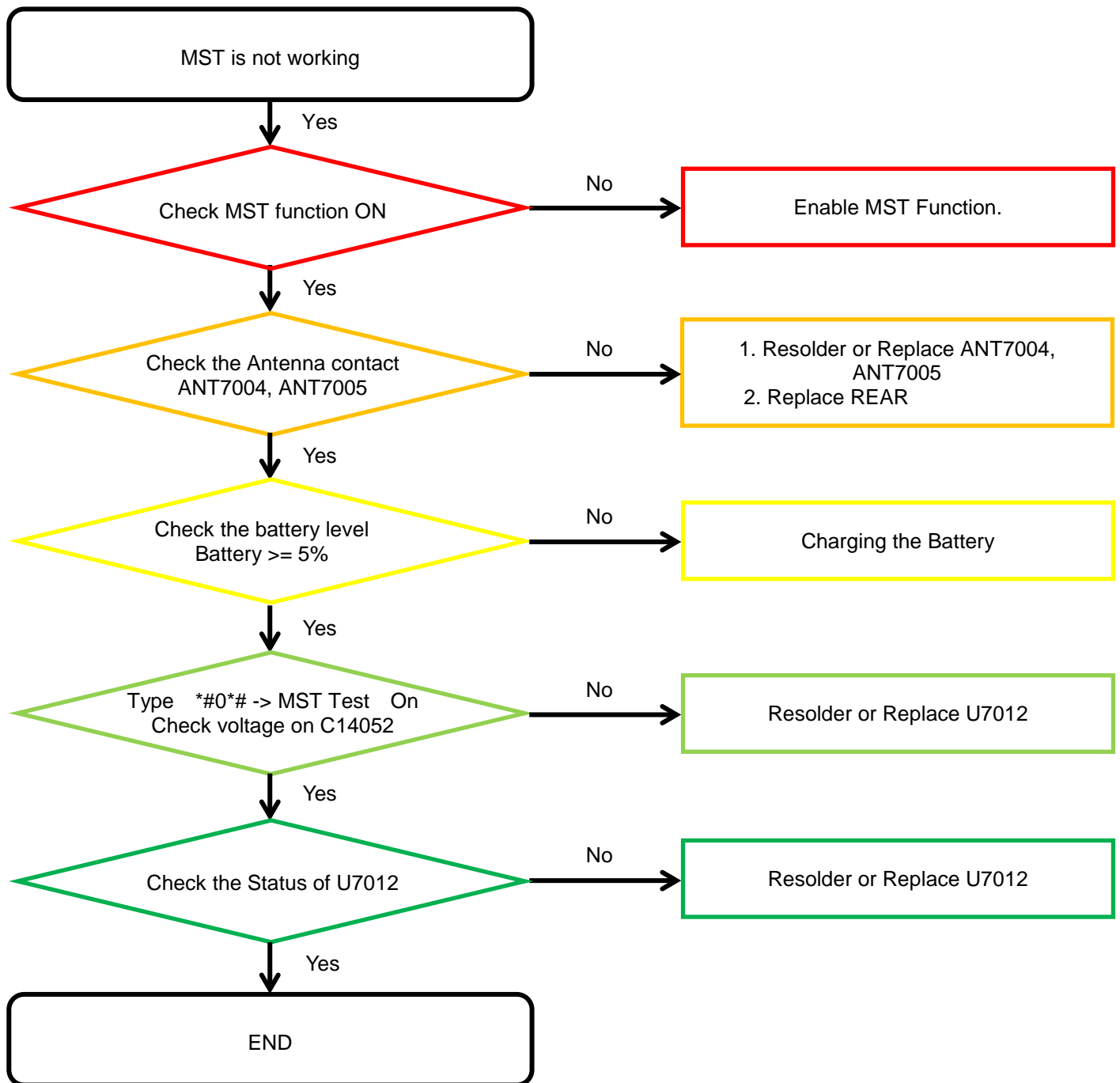
## 8. Level 3 Repair

### 8-4-14. NFC



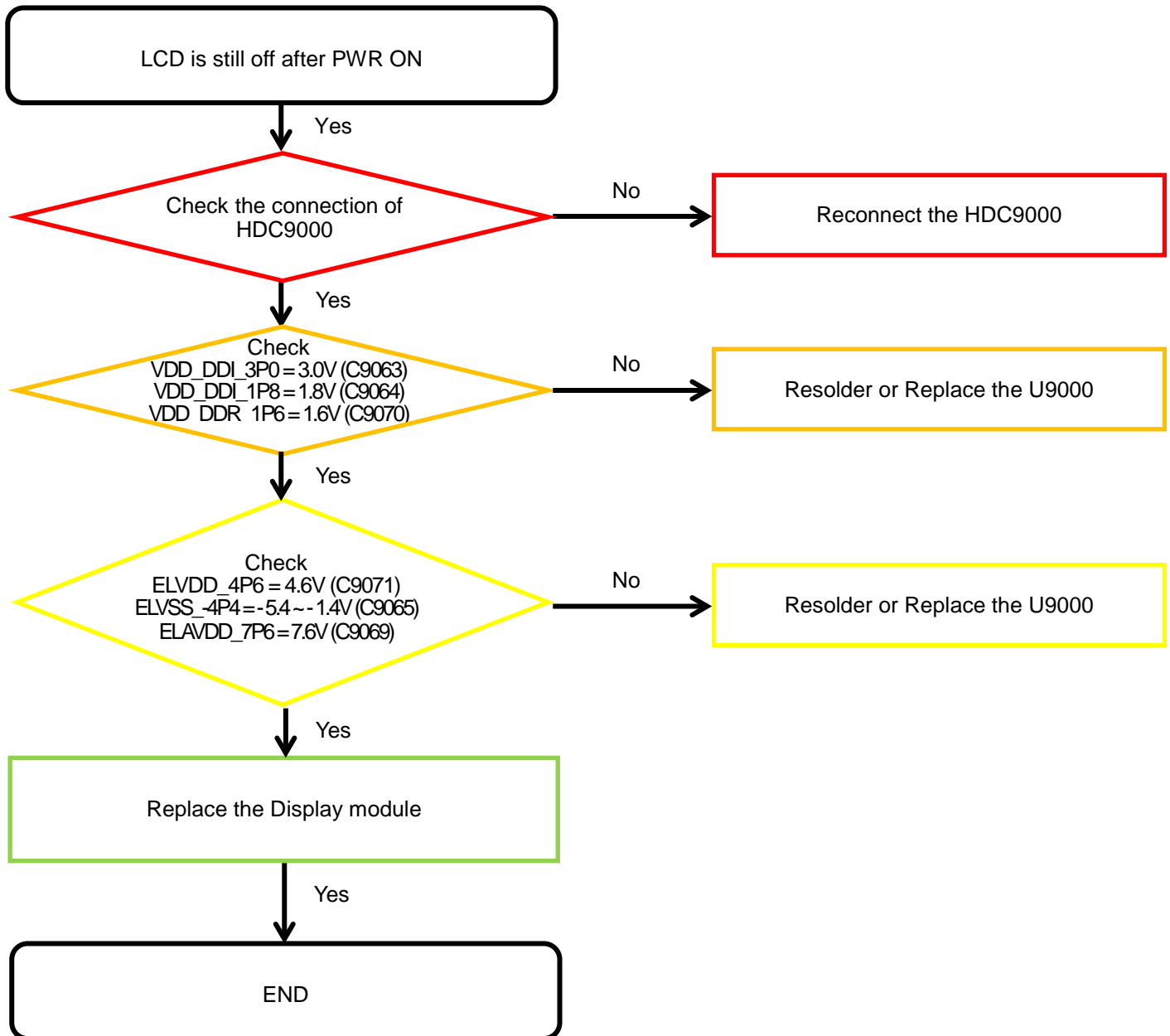
## 8. Level 3 Repair

### 8-4-15. MST



## 8. Level 3 Repair

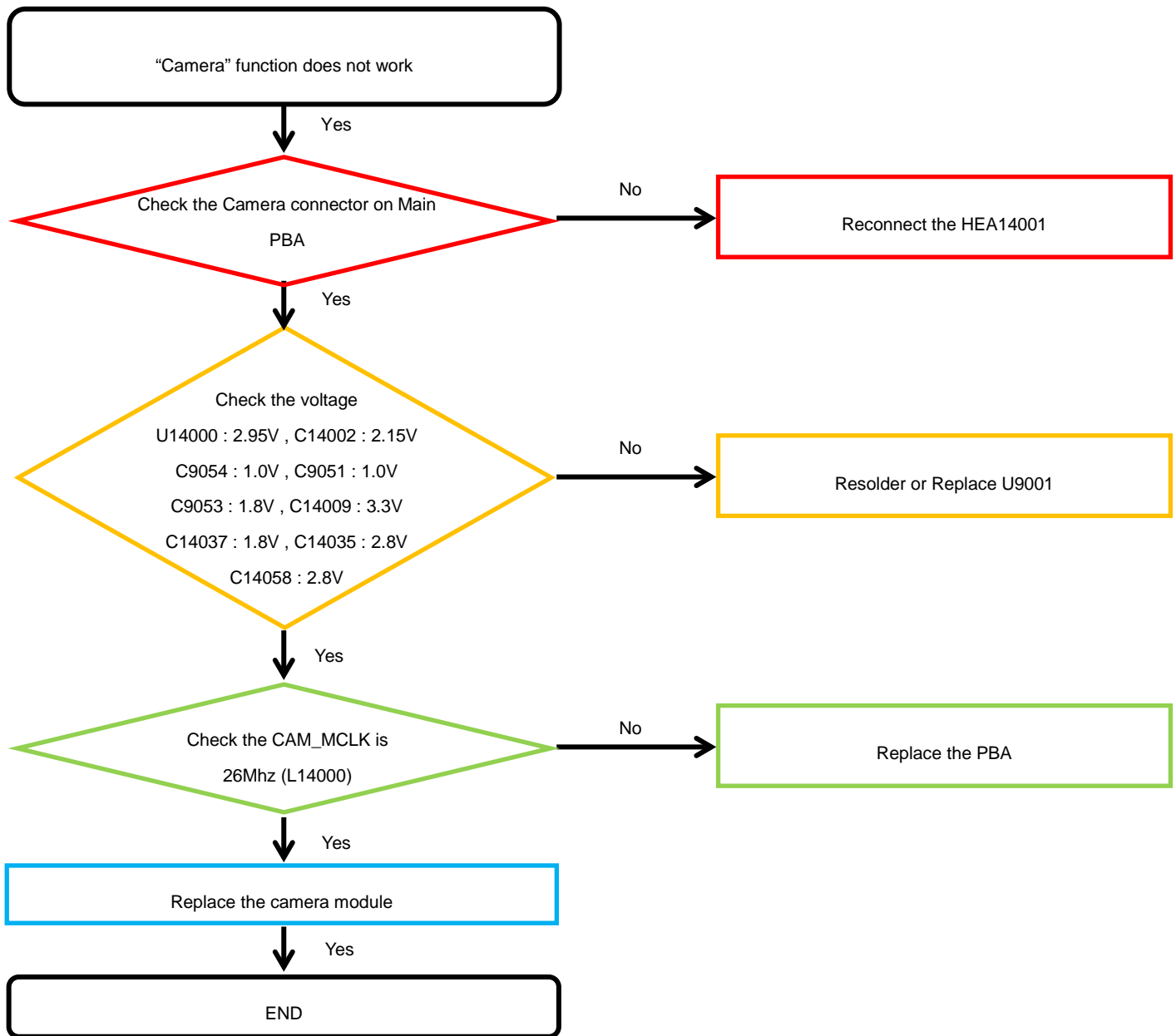
### 8-4-16. Display





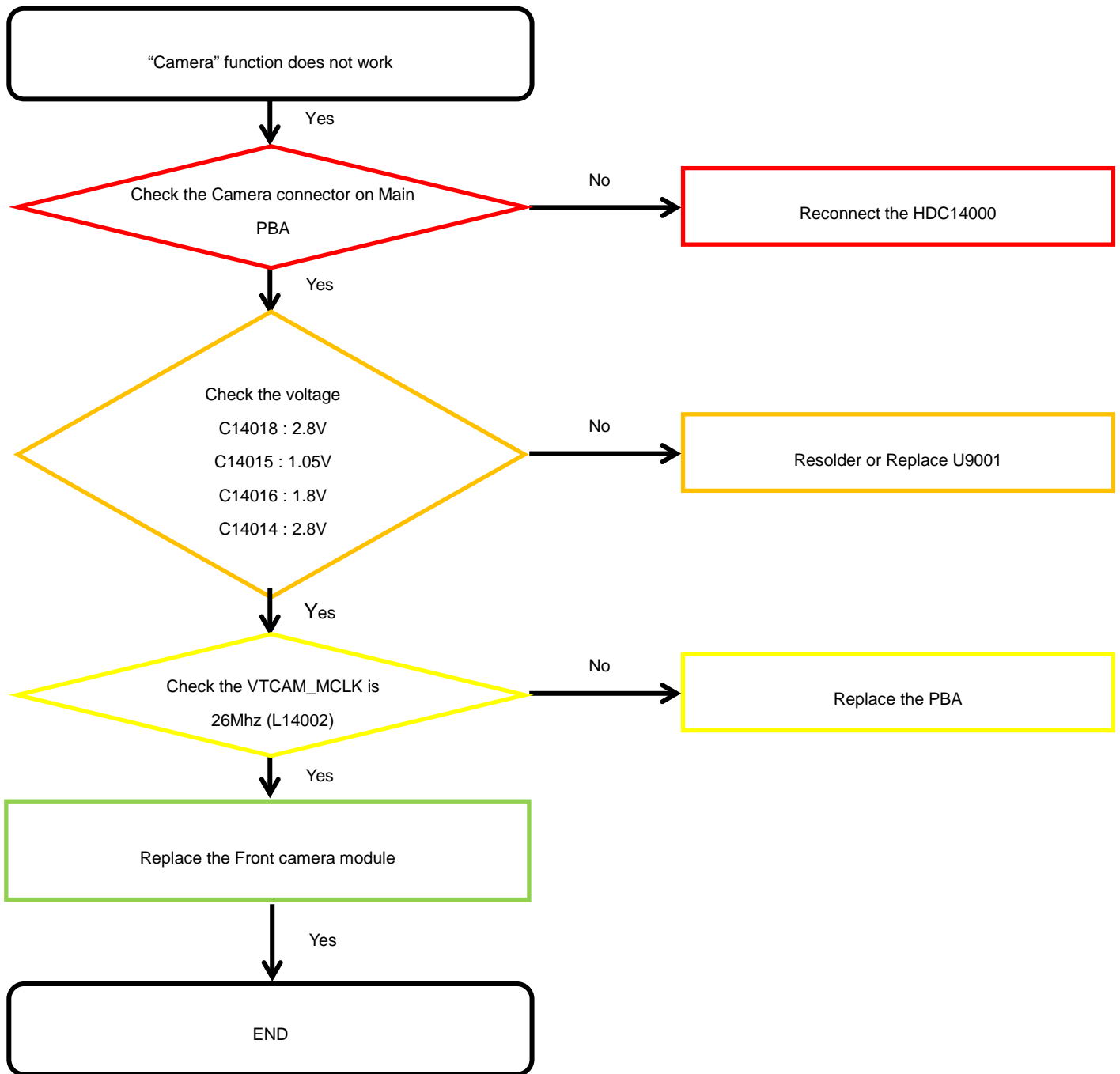
## 8. Level 3 Repair

### 8-4-17. 12M CAMERA



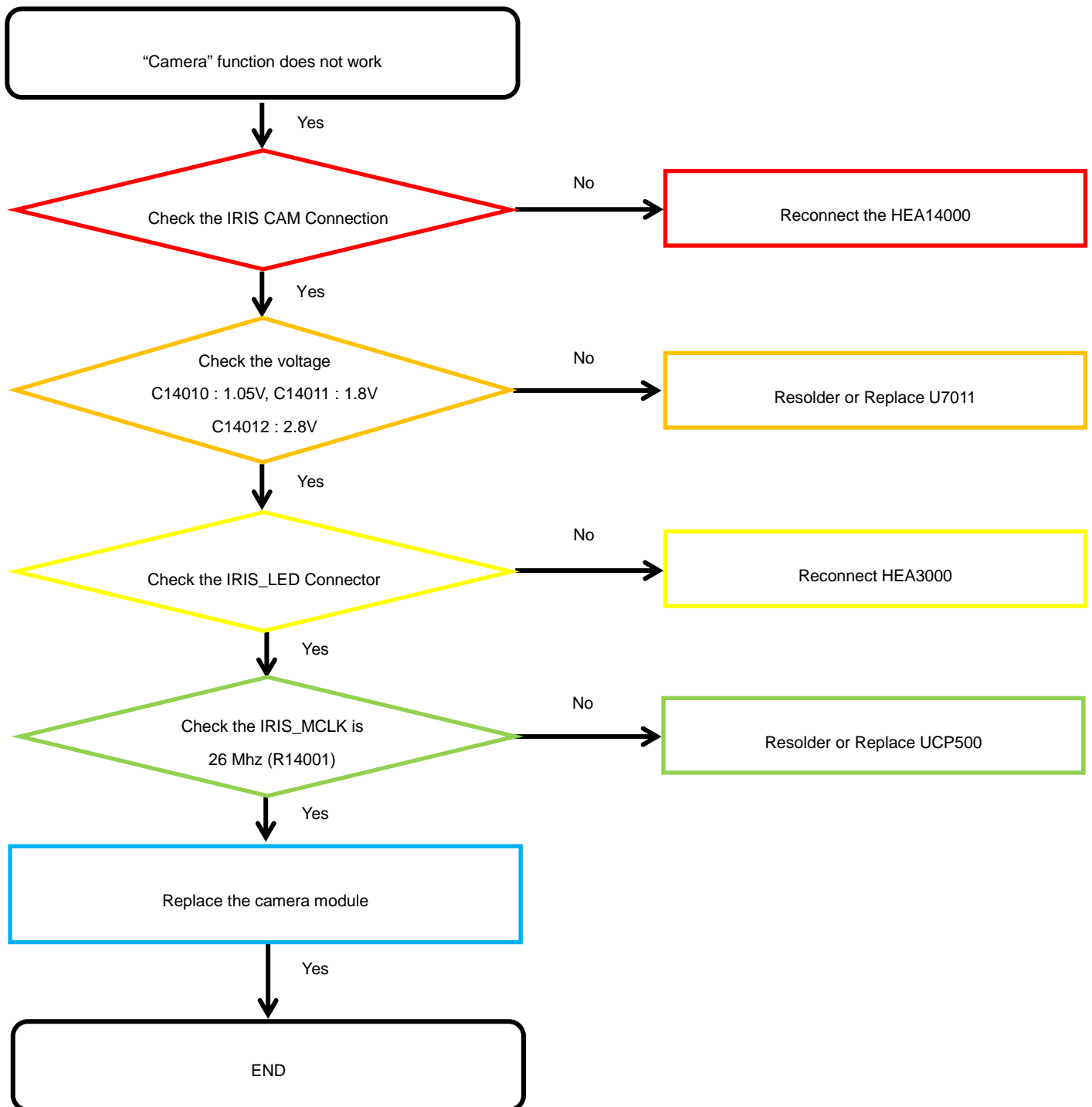
## 8. Level 3 Repair

### 8-4-18. 8M CAMERA



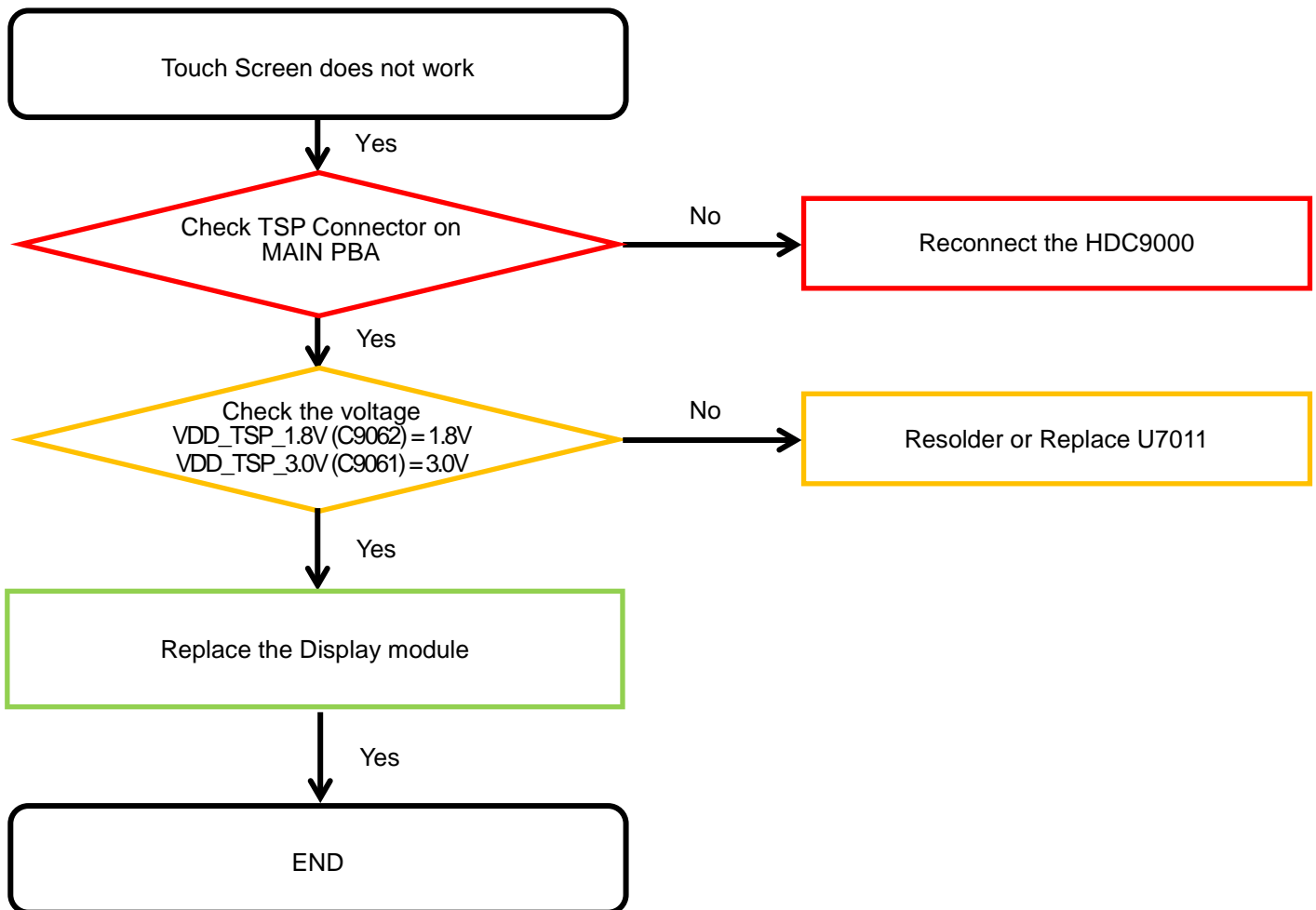
## 8. Level 3 Repair

### 8-4-19. IRIS CAM



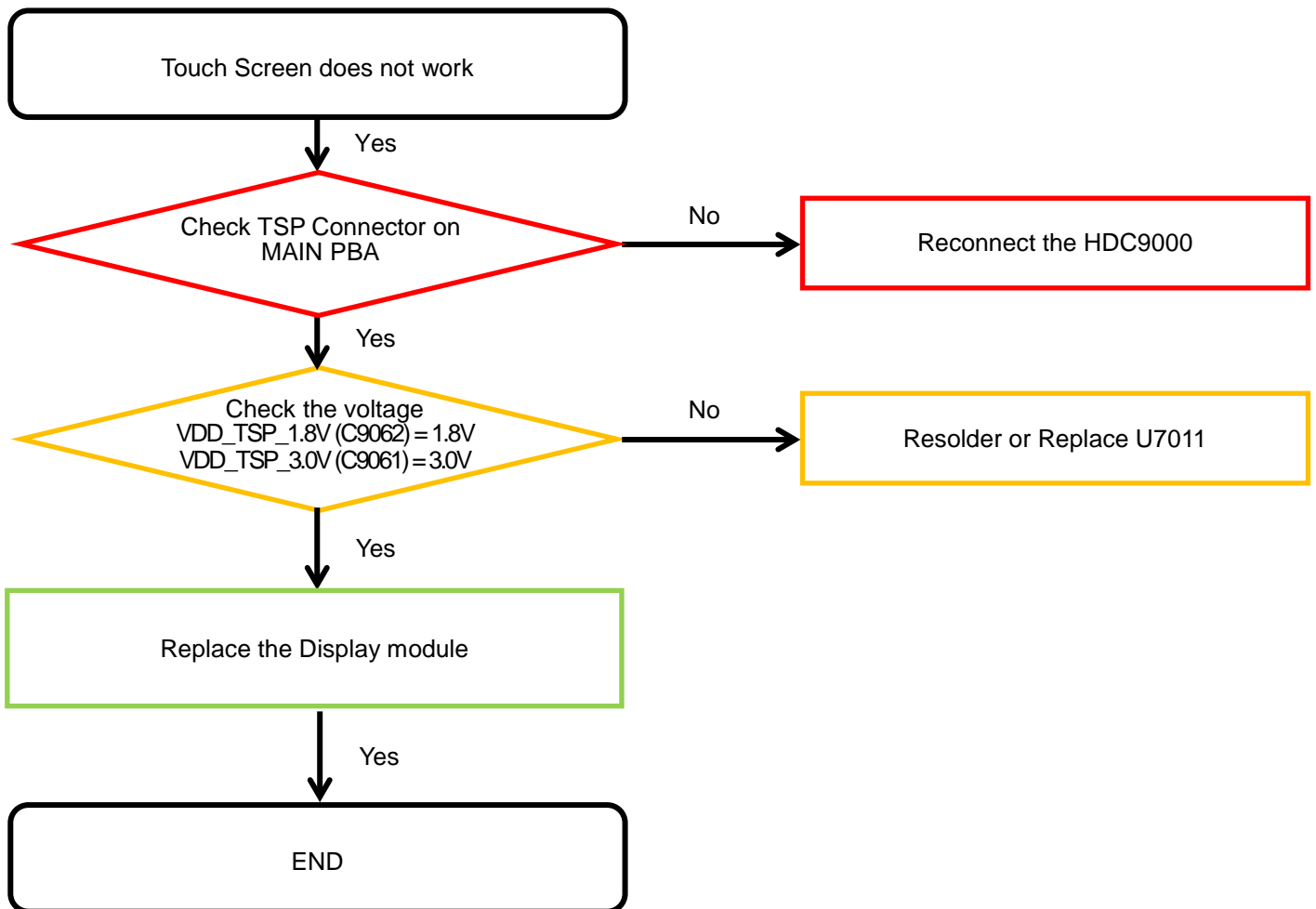
## 8. Level 3 Repair

### 8-4-20. TSP



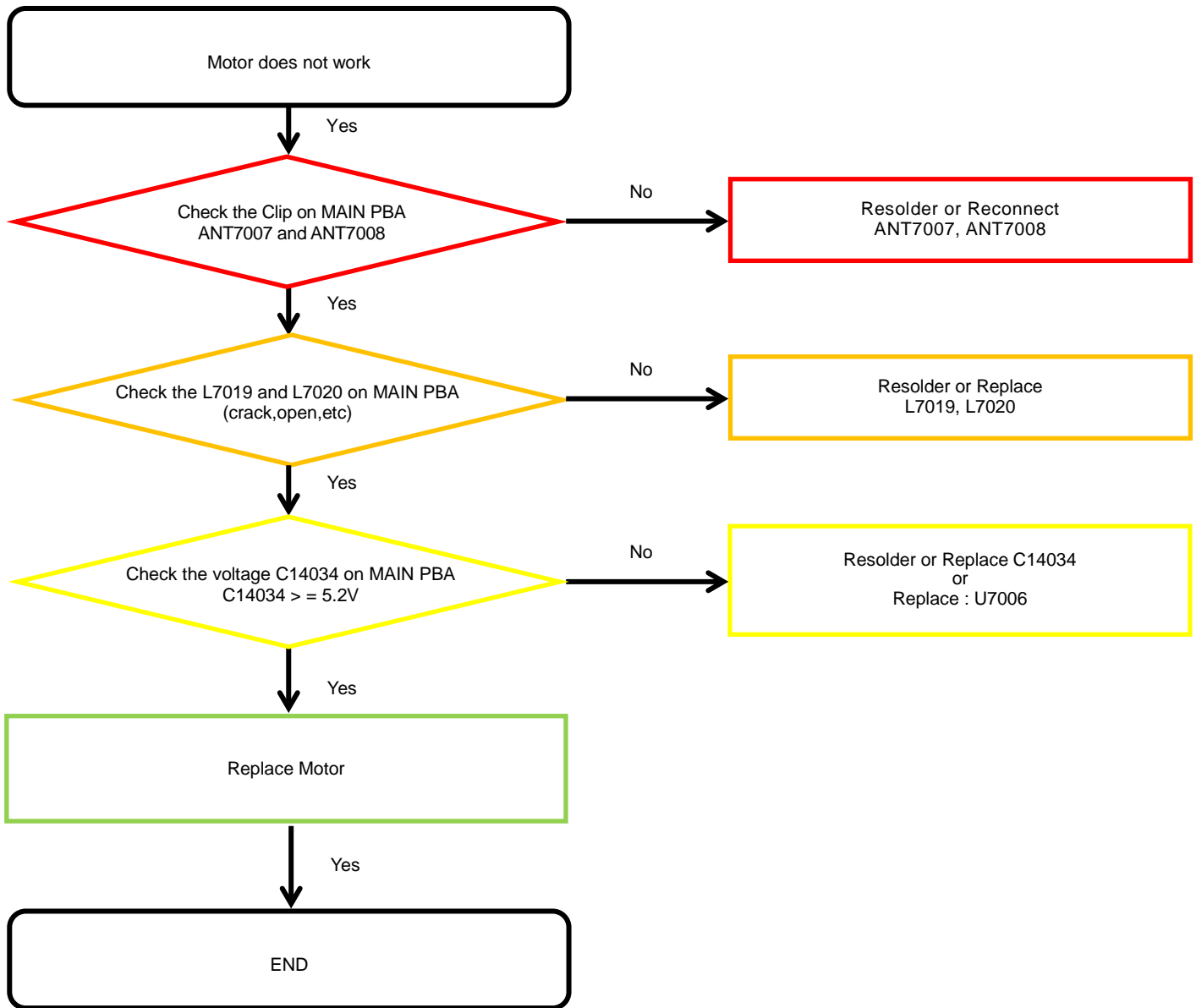
## 8. Level 3 Repair

### 8-4-21. Pressure Touch (Home Button function)



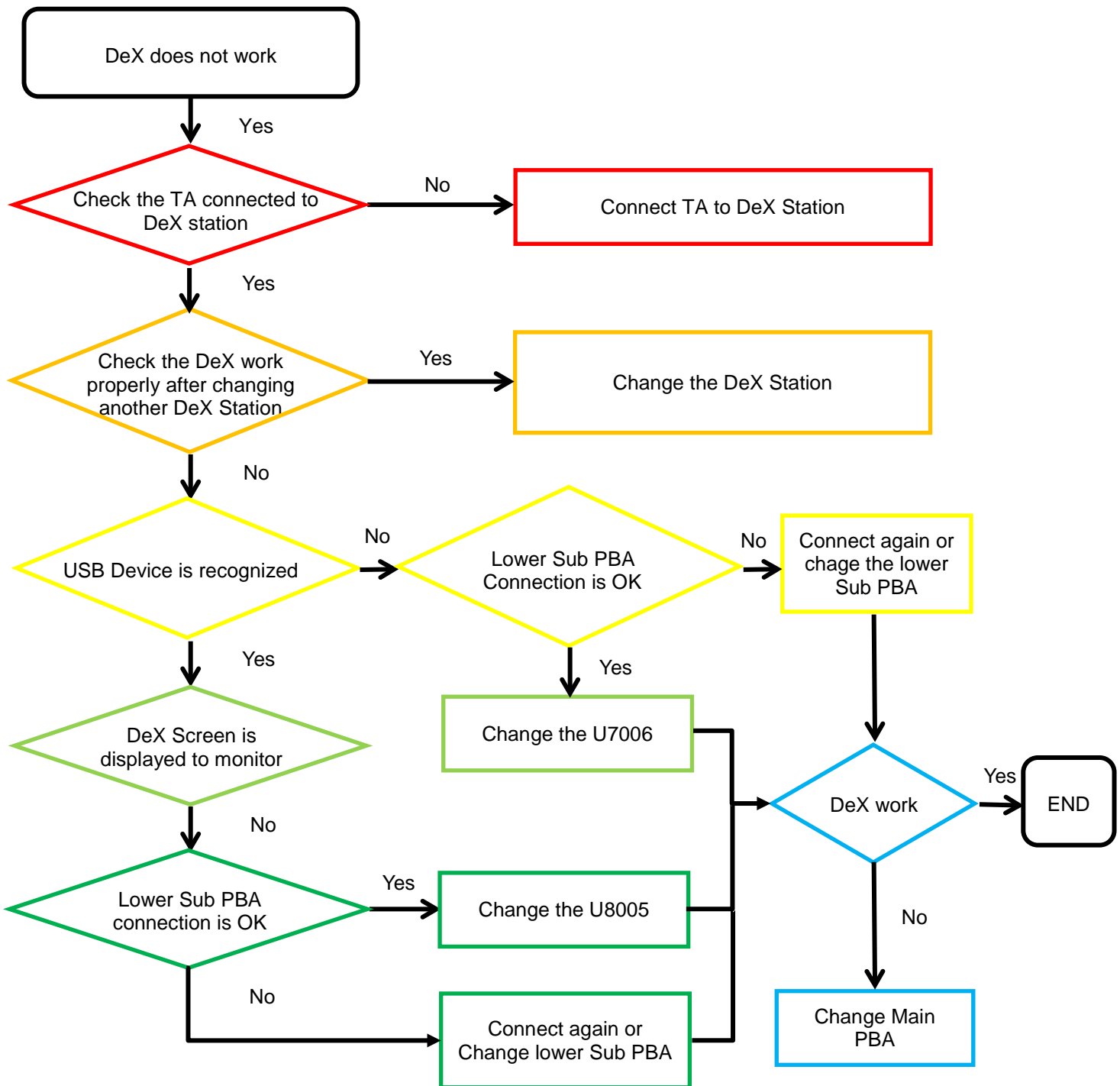
## 8. Level 3 Repair

### 8-4-22. Motor



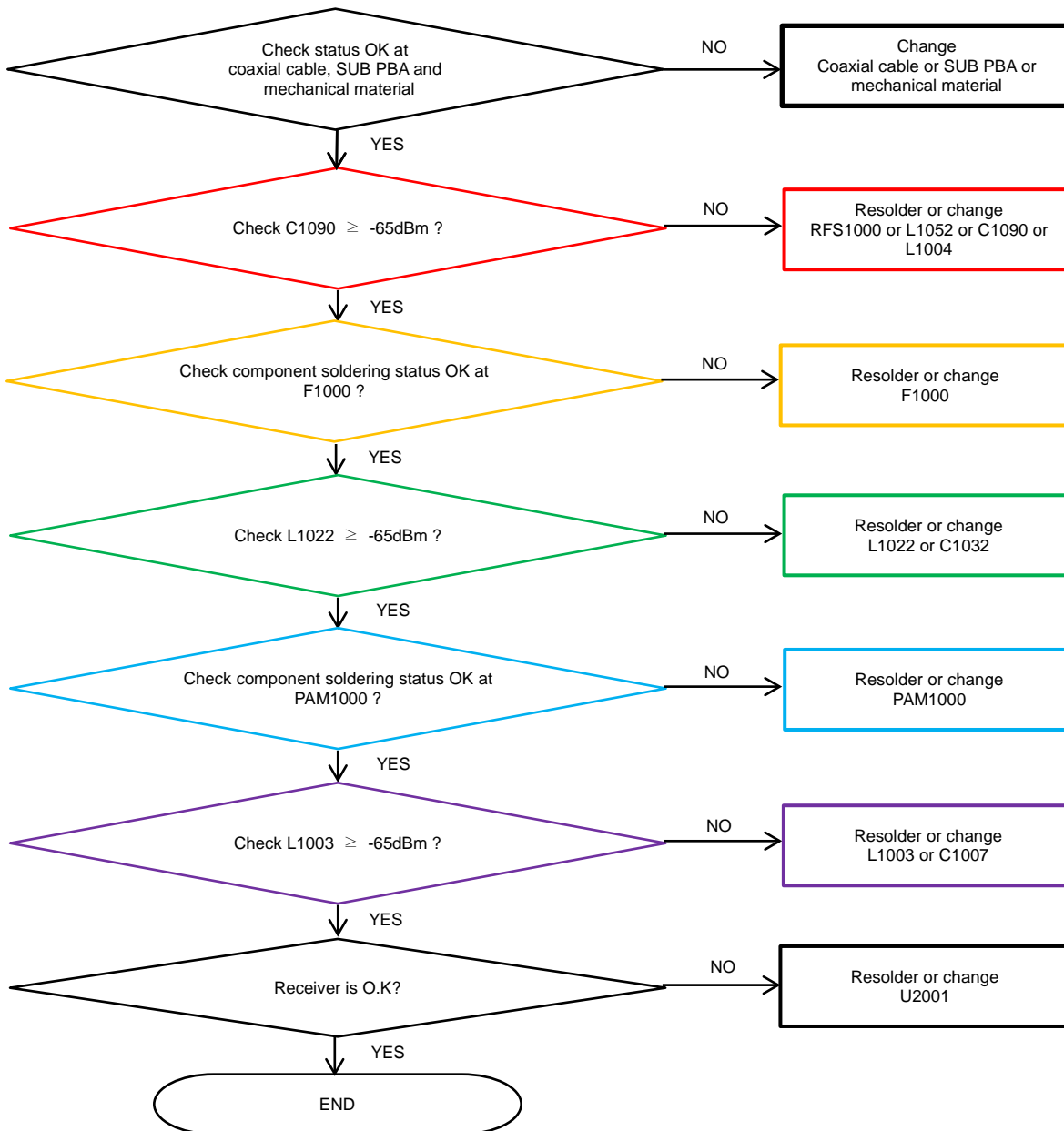
## 8. Level 3 Repair

### 8-4-23. DeX Station



## 8. Level 3 Repair

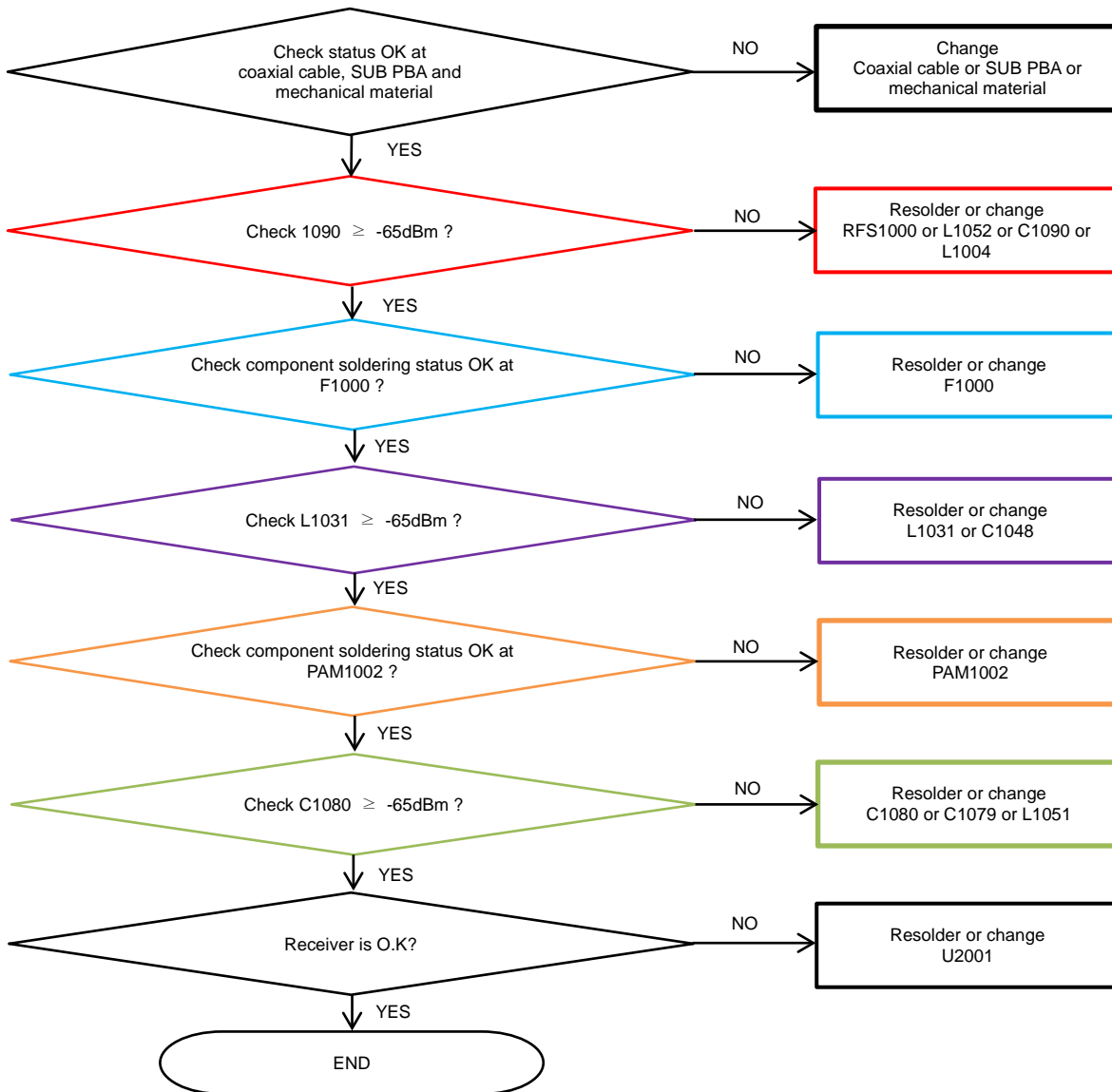
### 8-4-24. GSM 850/900, WCDMA B5/8, LTE B5/8/12/13/17/18/19/20/26/28 PRx





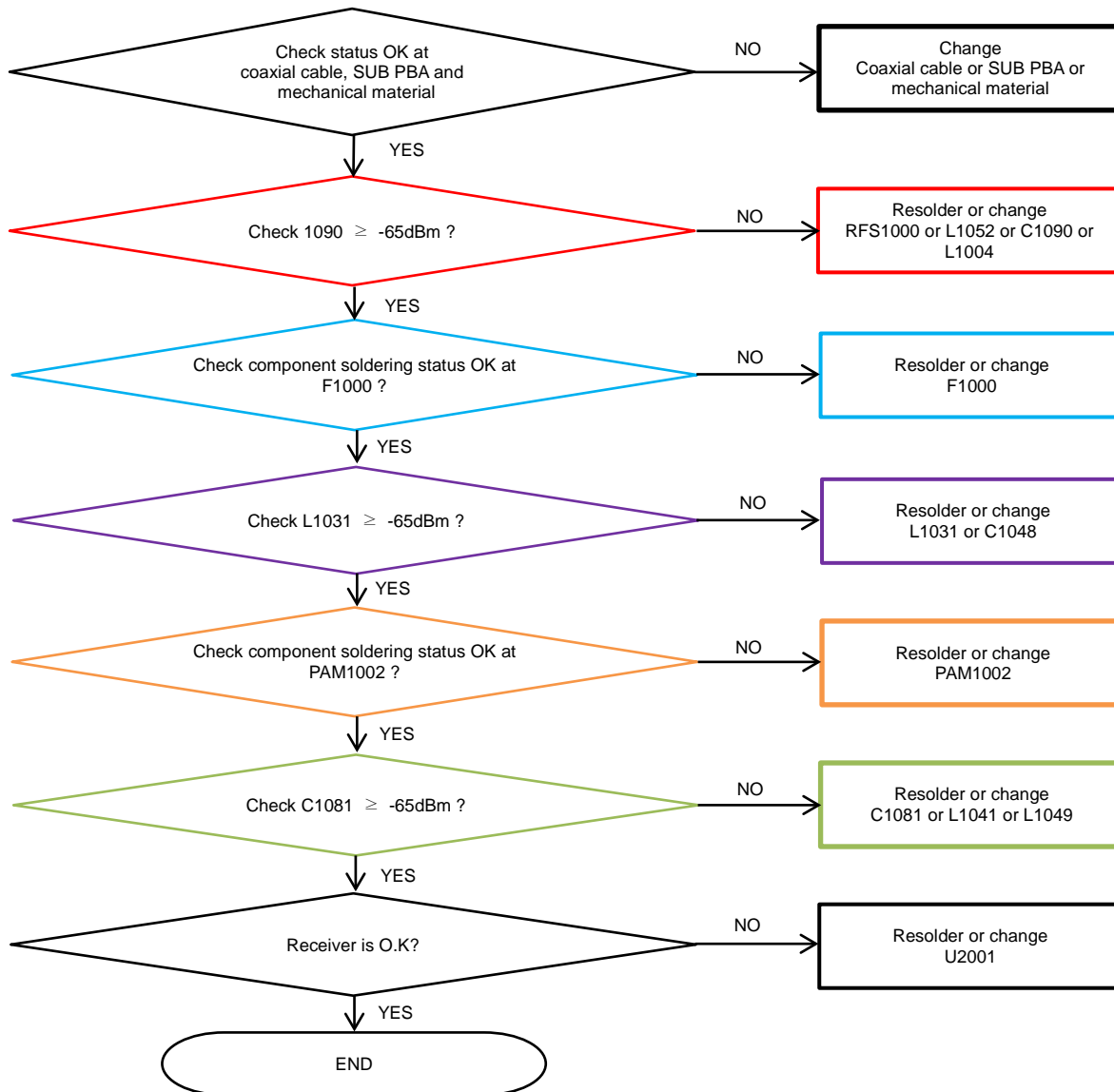
## 8. Level 3 Repair

### 8-4-25. TDSCDMA B38/40/41, LTE B7/38/40/41 PRx



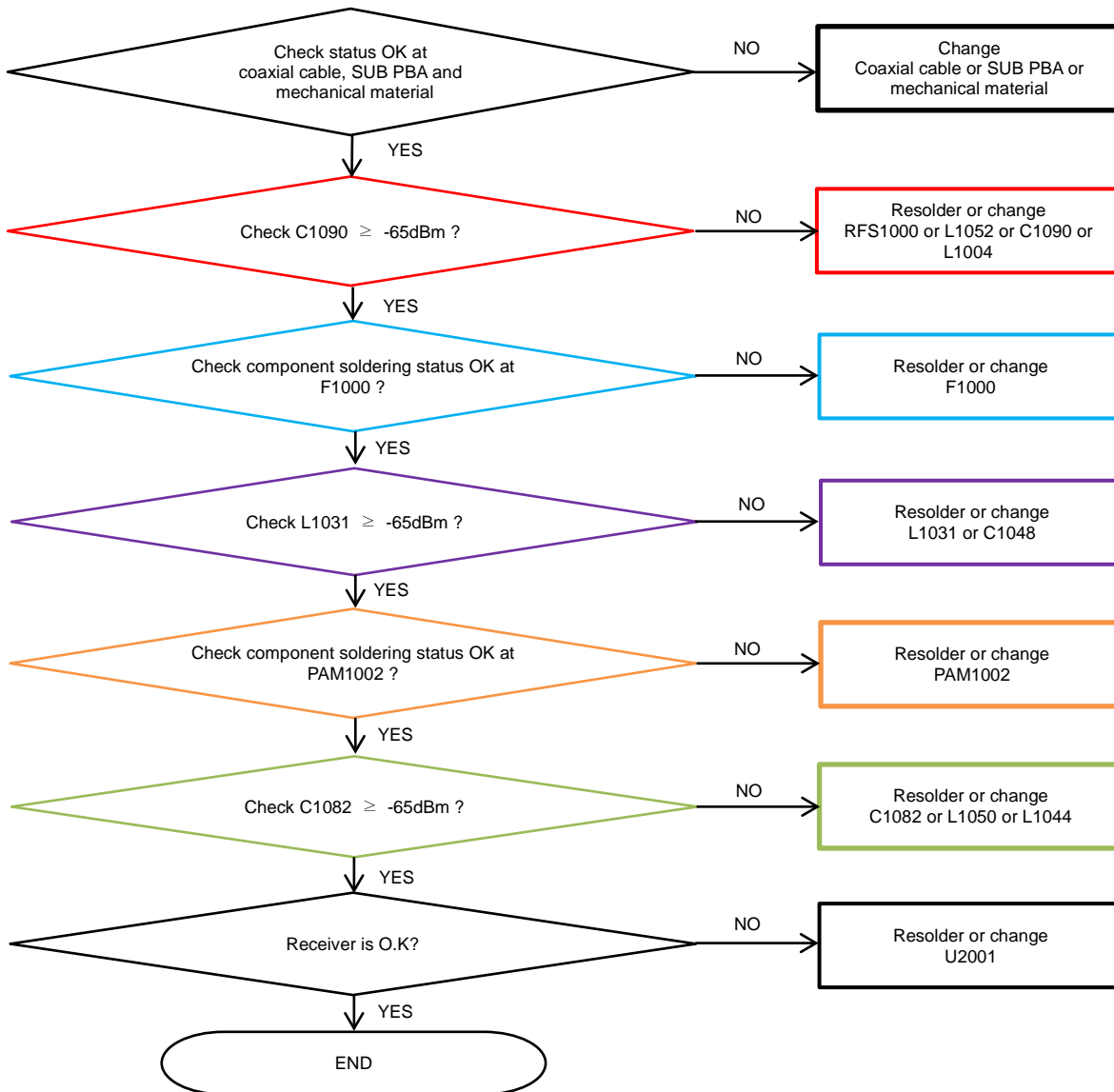
## 8. Level 3 Repair

### 8-4-26. DCS1800/PCS1900, WCDMA B2, LTE B2/3/25 PRx



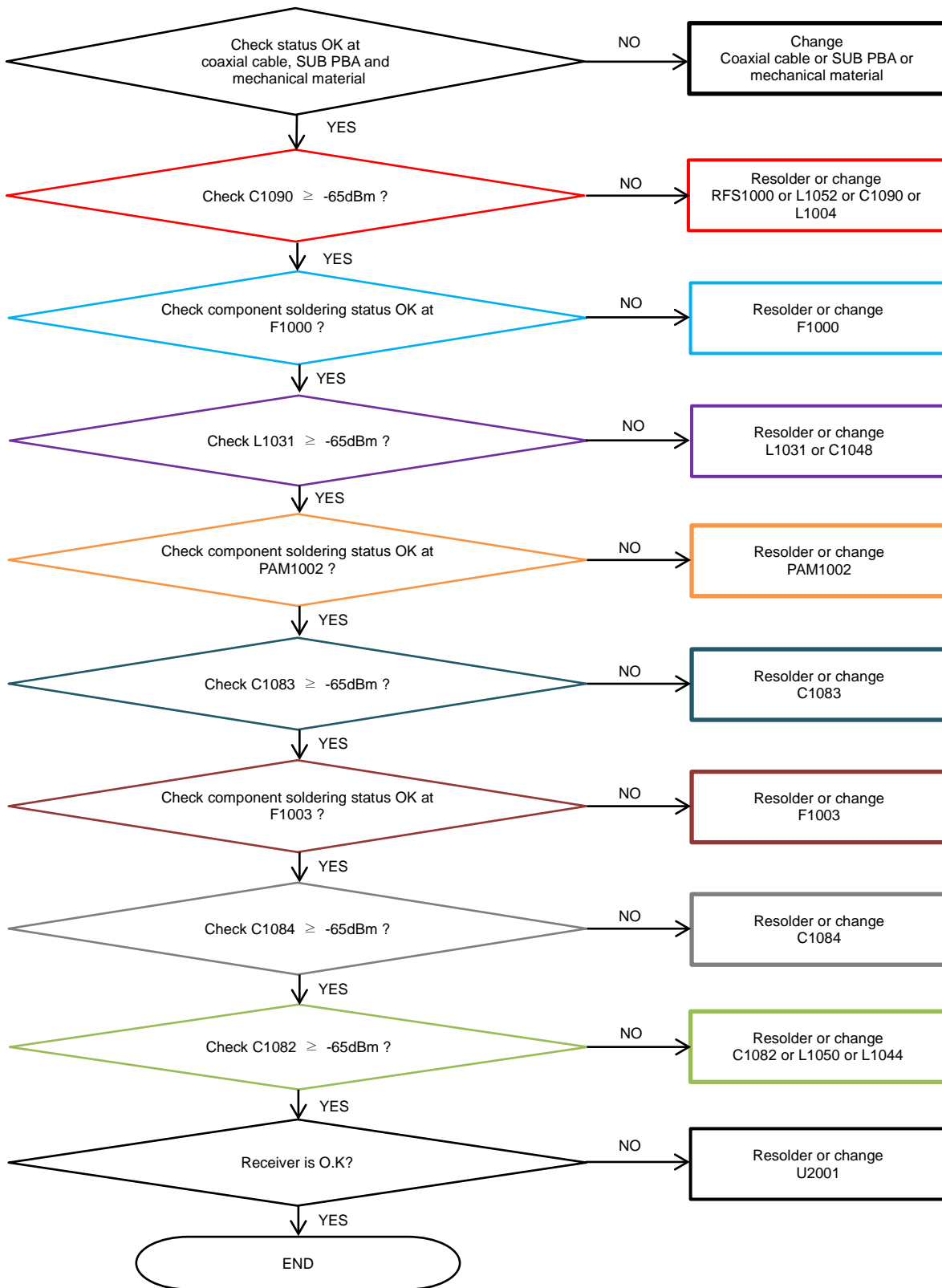
## 8. Level 3 Repair

### 8-4-27. WCDMA B1/4, TDSCDMA B39, LTE B1/4/39/66 PRx



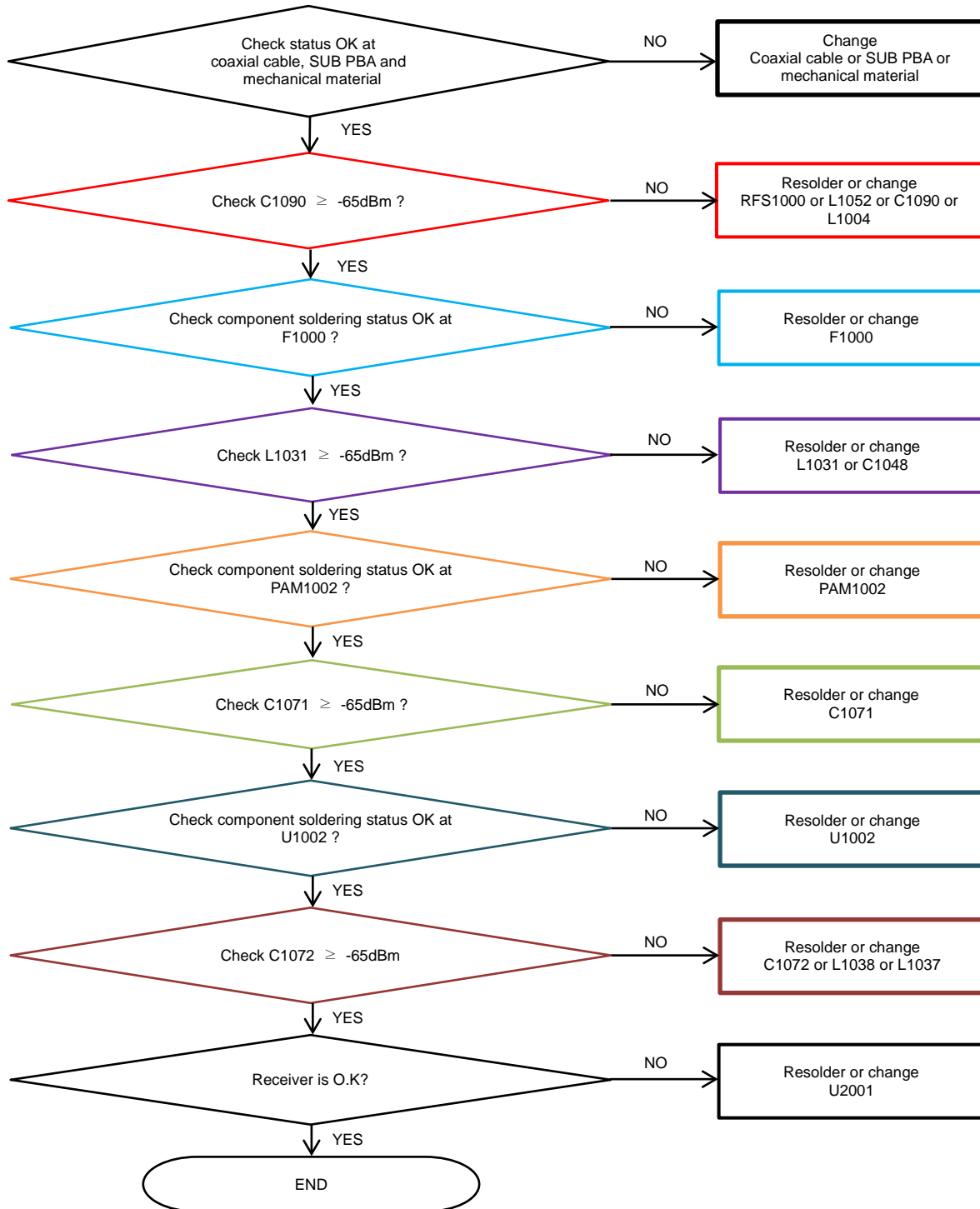
# 8. Level 3 Repair

## 8-4-28. TDSCDMA B34, LTE B34 PRx



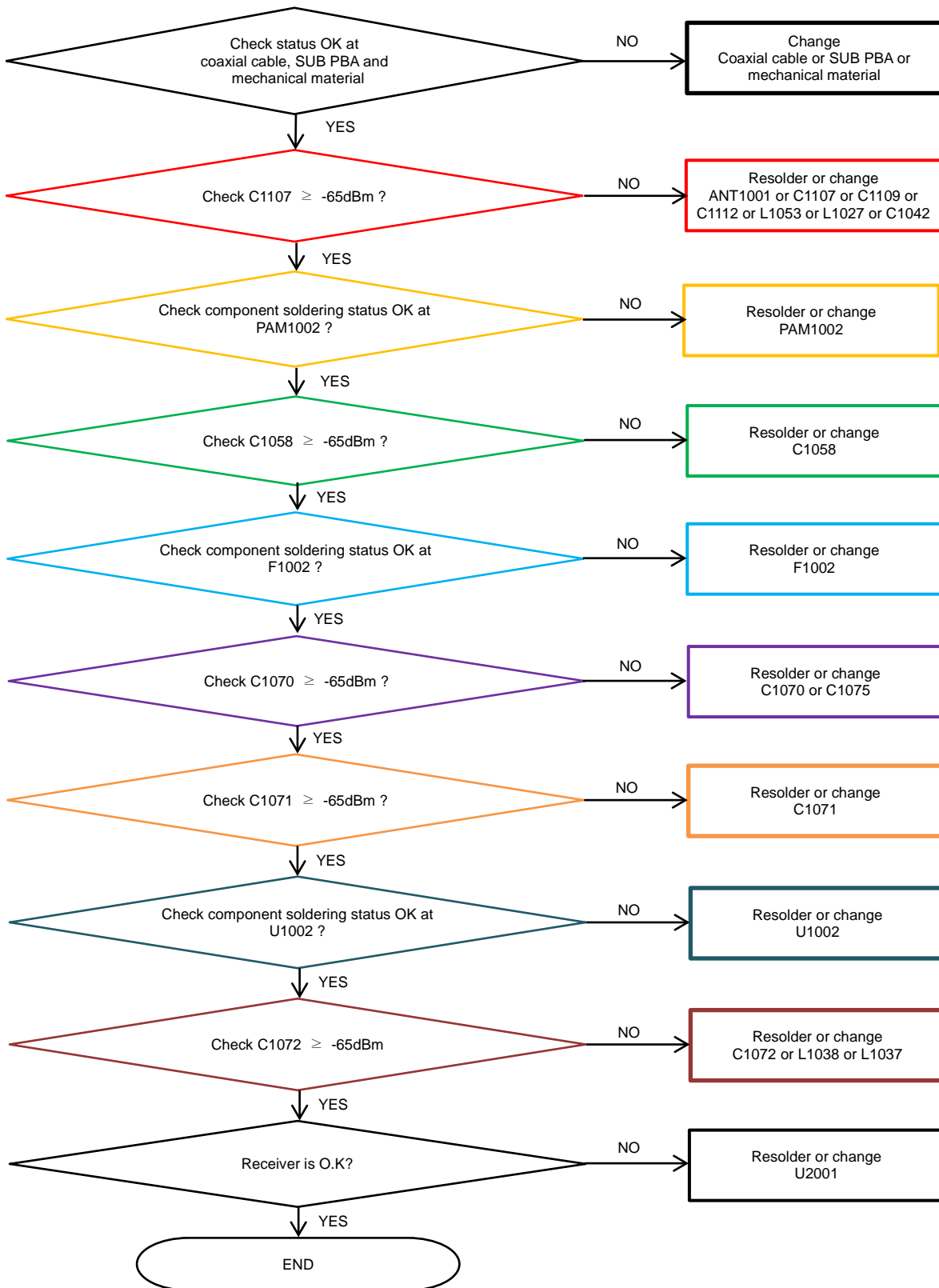
# 8. Level 3 Repair

## 8-4-29. LTE B32 PRx



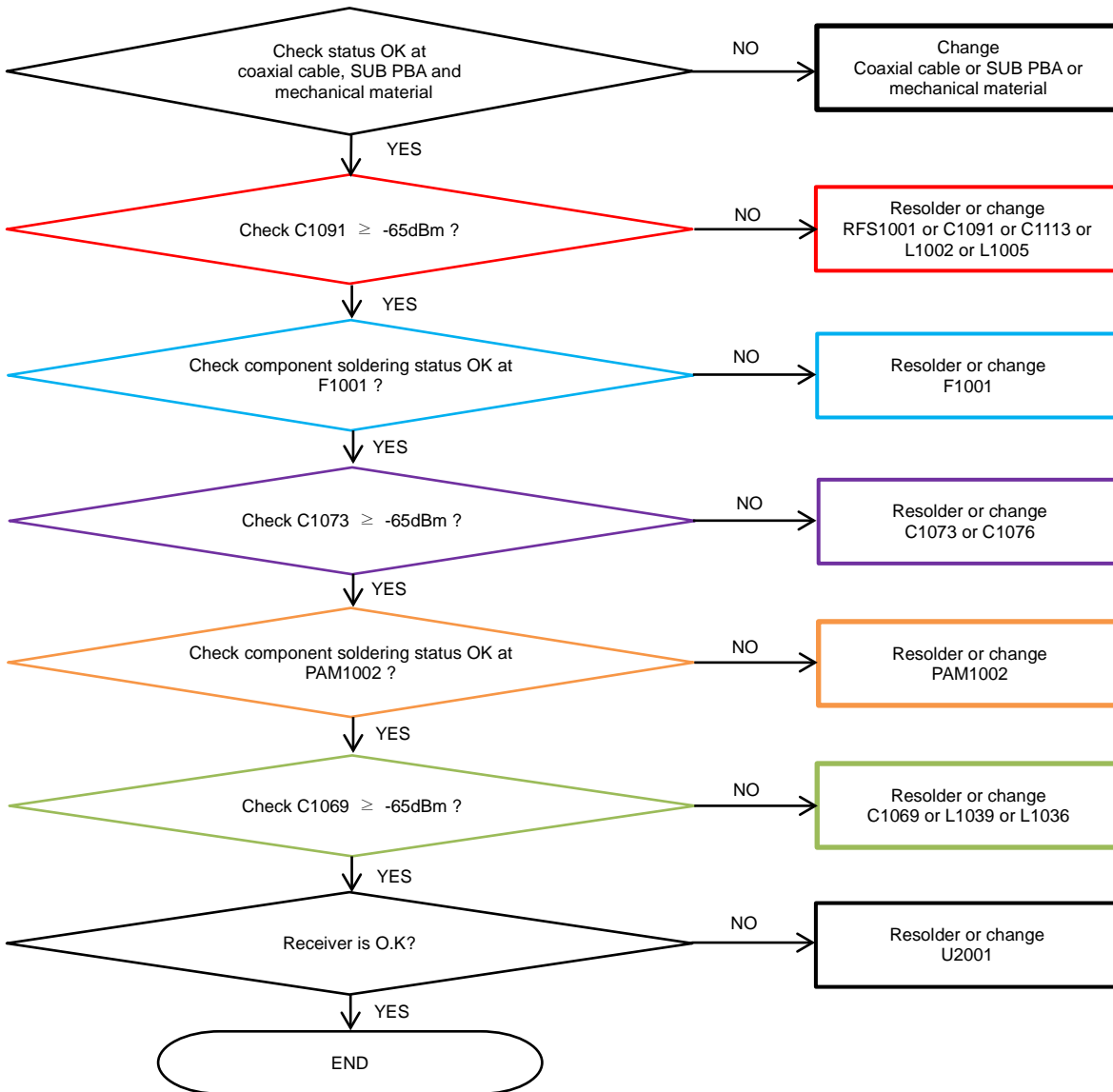
# 8. Level 3 Repair

## 8-4-30. LTE B1/4 4Rx\_PRx



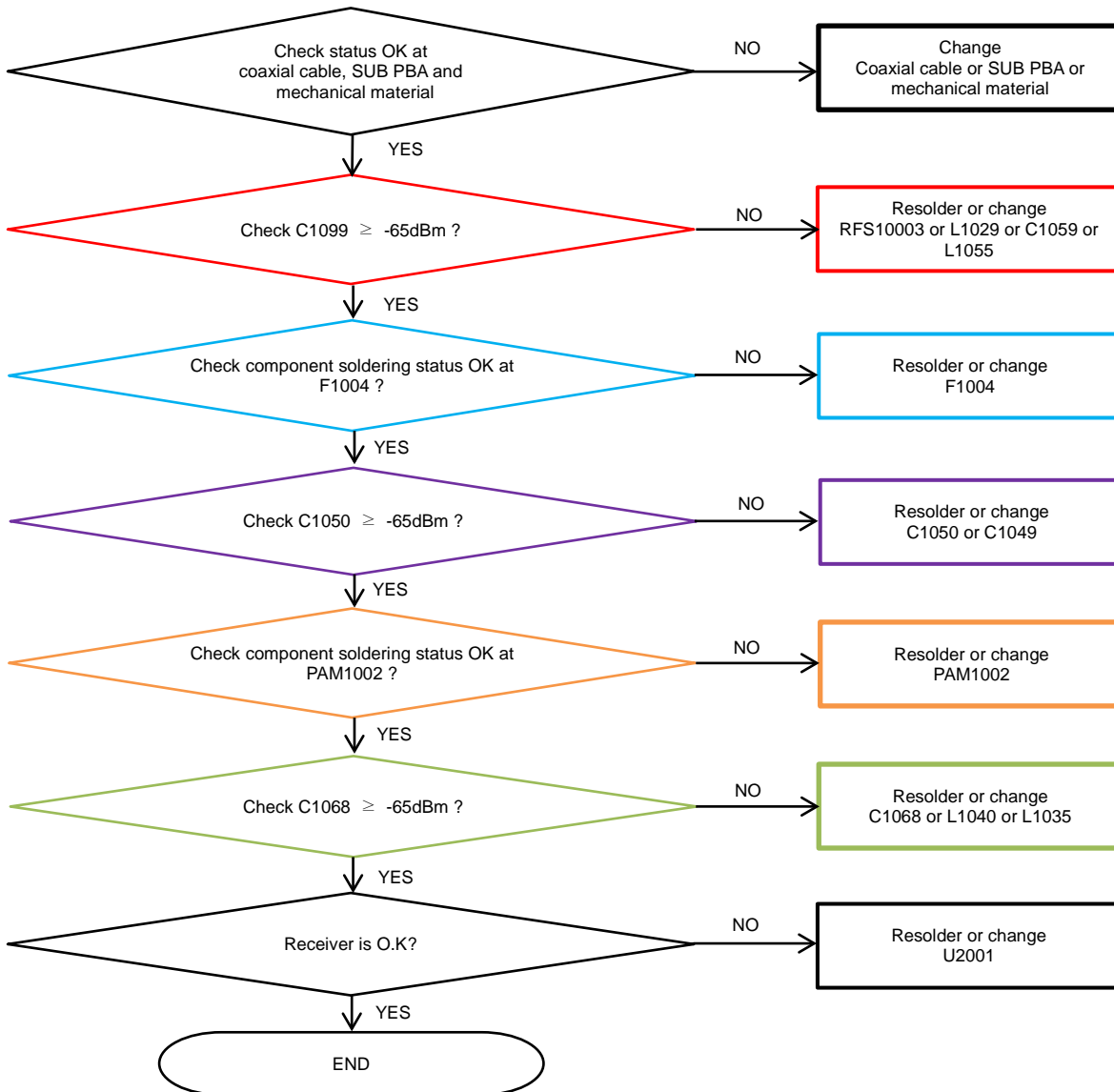
## 8. Level 3 Repair

### 8-4-31. LTE B3 4Rx\_PRx



# 8. Level 3 Repair

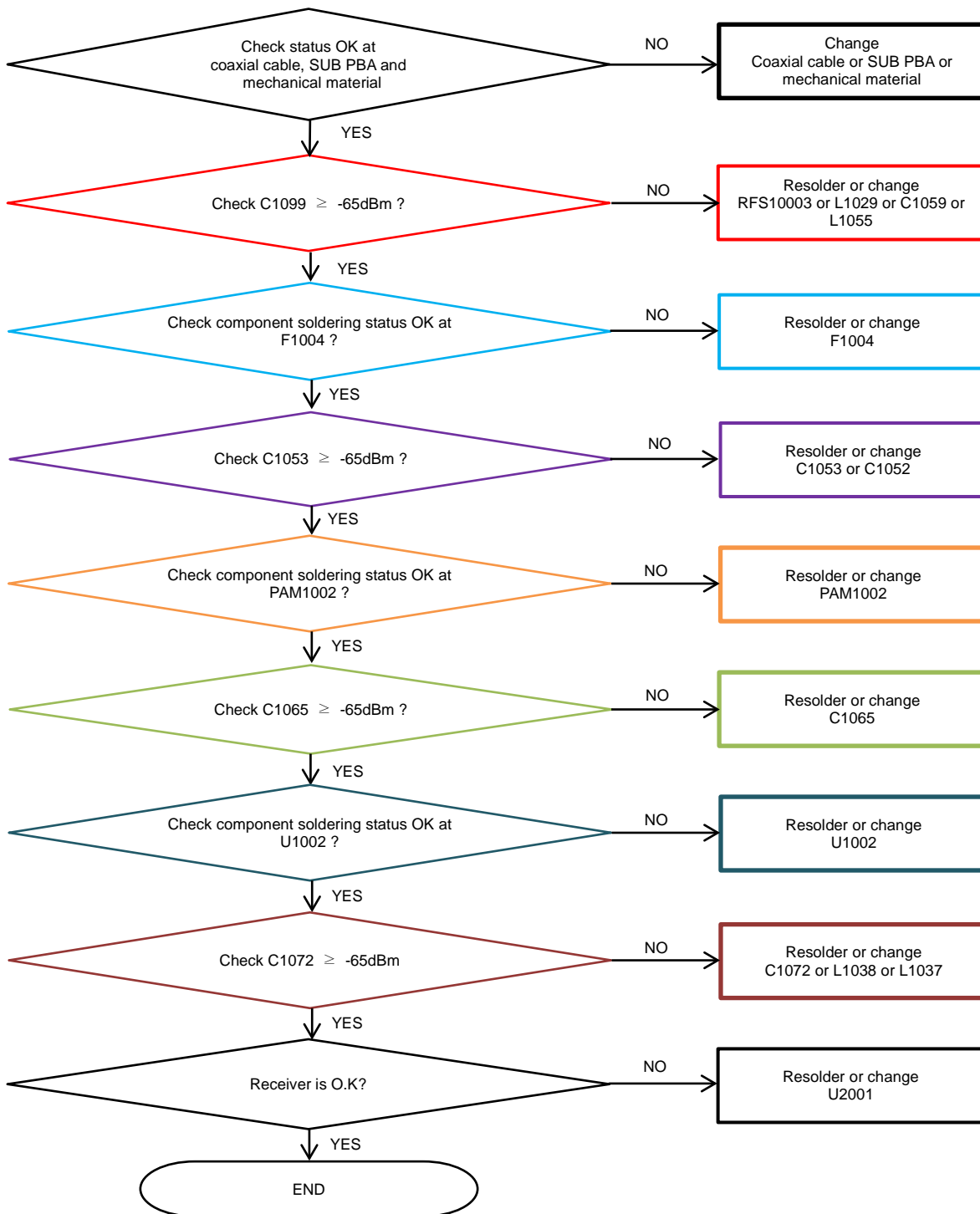
## 8-4-32. LTE B7 4Rx\_PRx





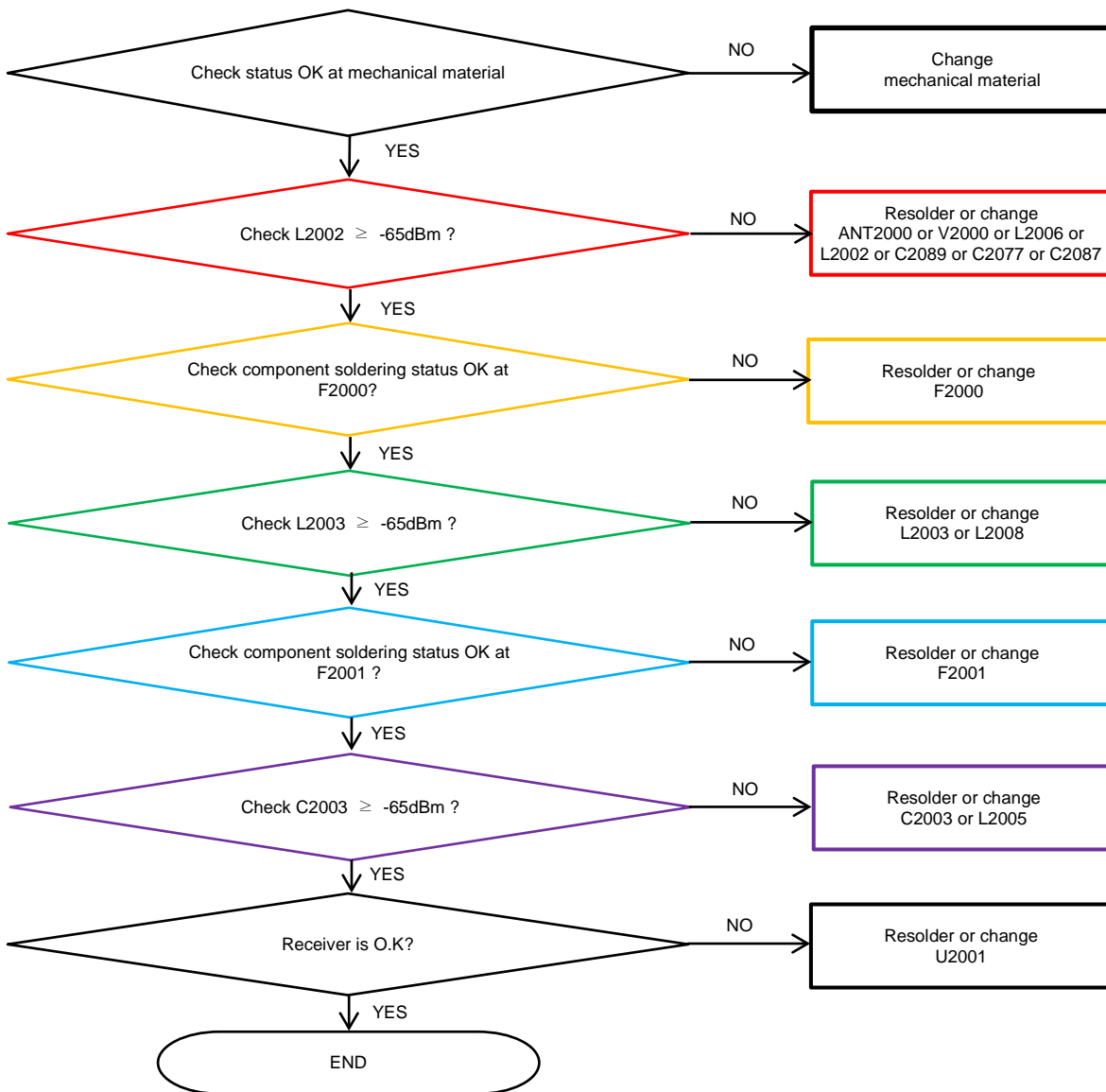
## 8. Level 3 Repair

### 8-4-33. LTE 40 4Rx\_PRx



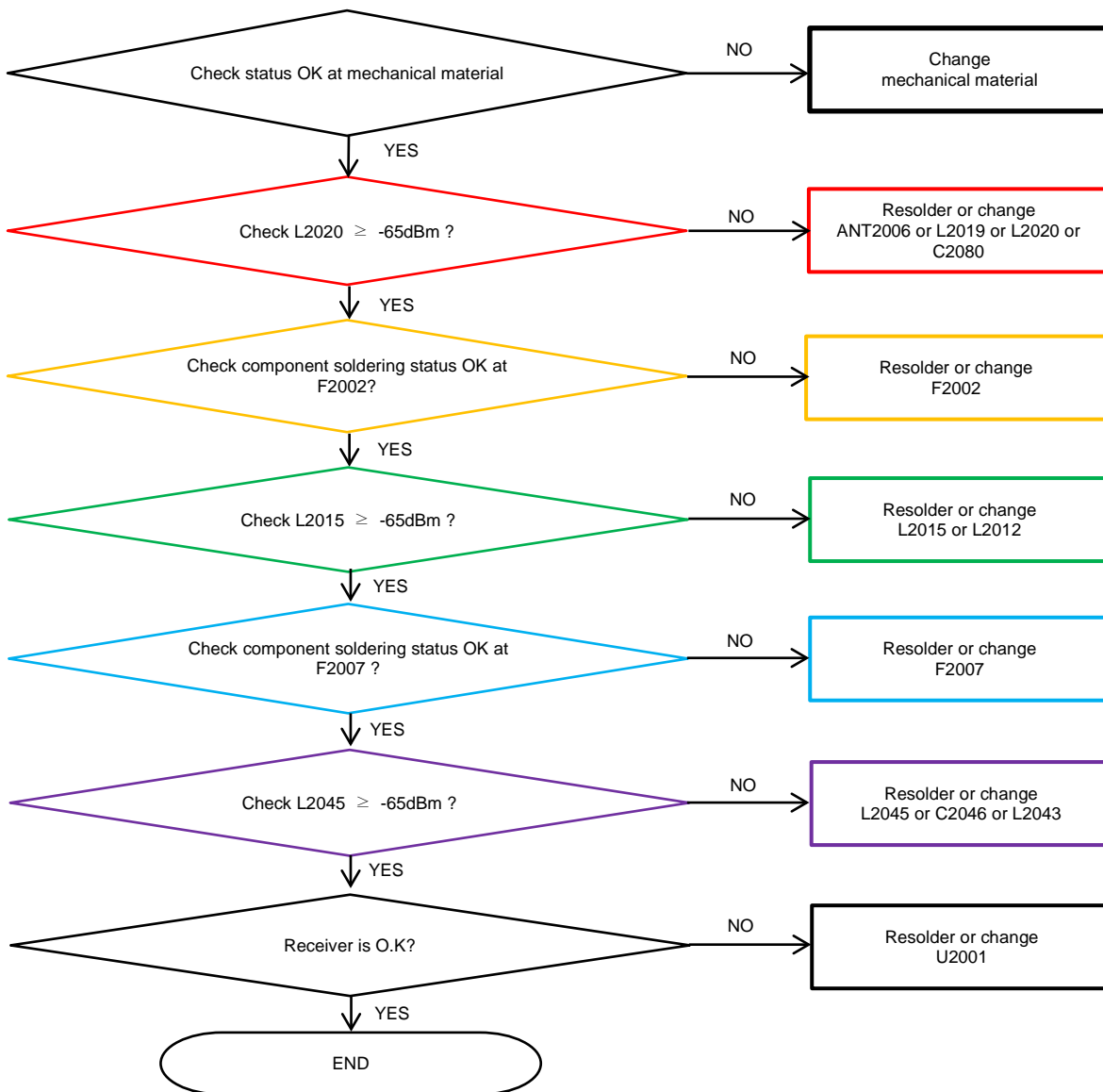
## 8. Level 3 Repair

### 8-4-34. GSM850/900, WCDMA B5/8, LTE B5/8/12/13/17/18/19/20/26/28 DRx



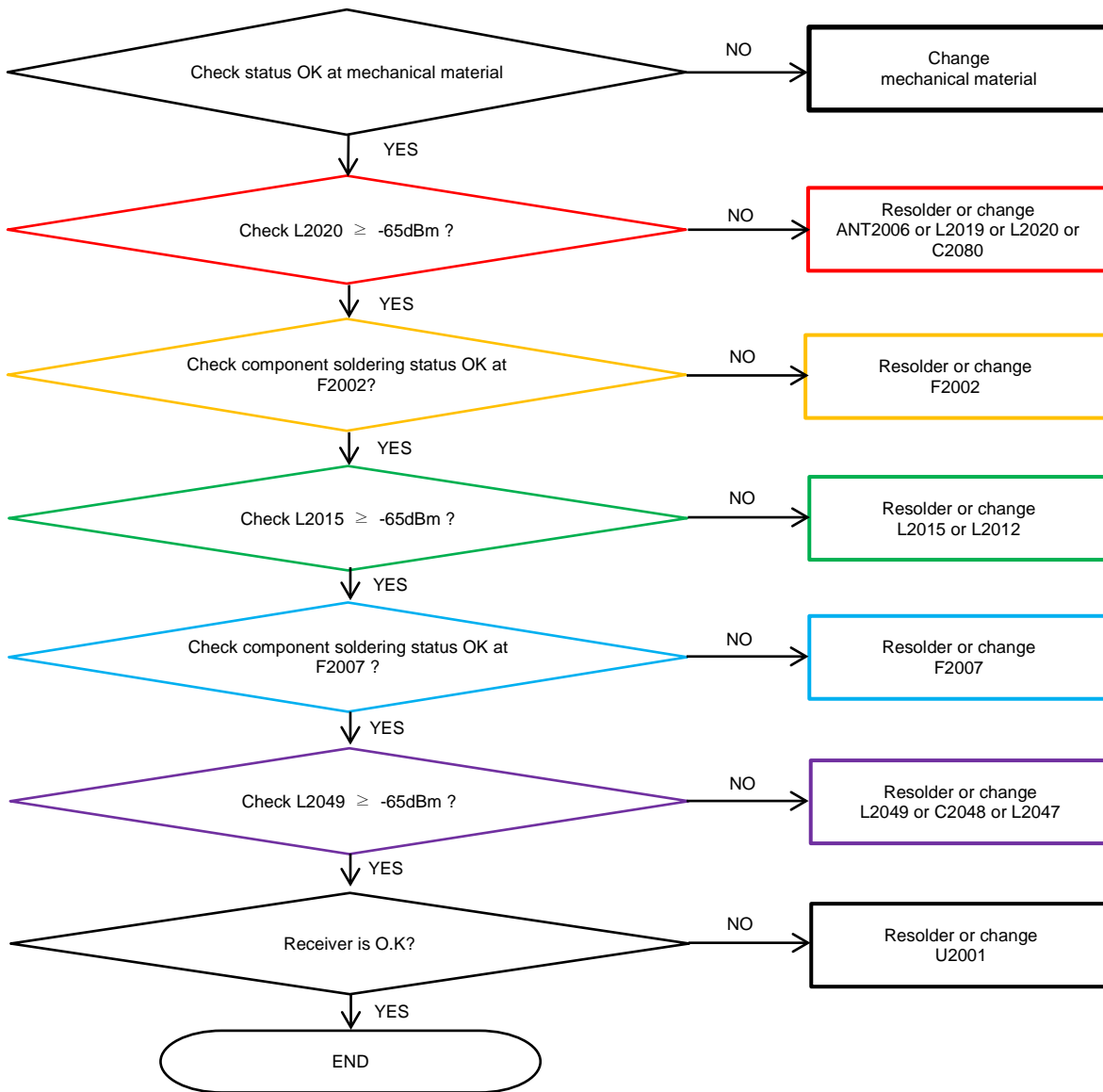
## 8. Level 3 Repair

### 8-4-35. DCS1800/PCS1900, WCDMA B2, LTE B2/3/25 DRx



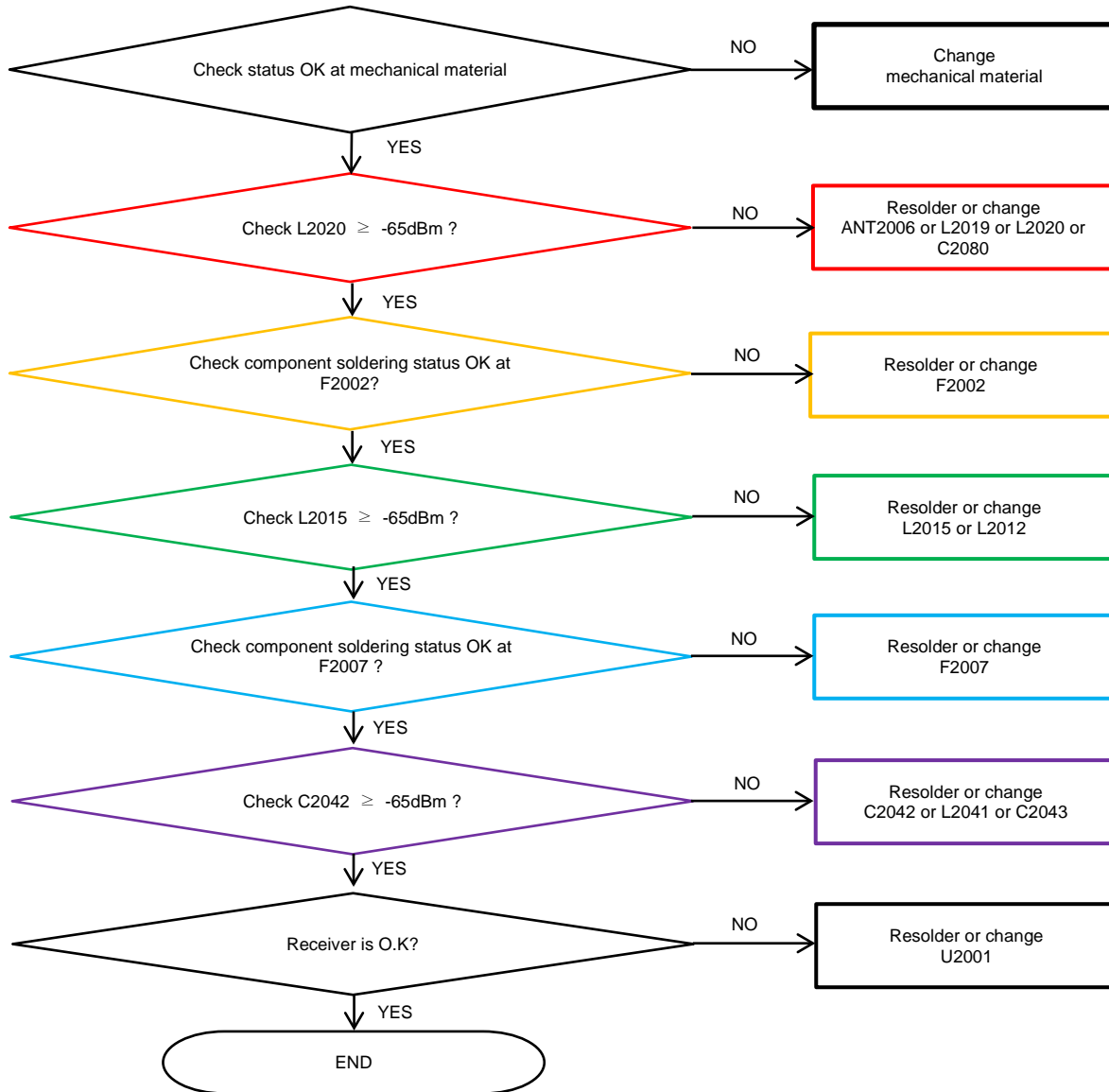
## 8. Level 3 Repair

### 8-4-36. WCDMA B1/4, LTE B1/4/32/66 DRx



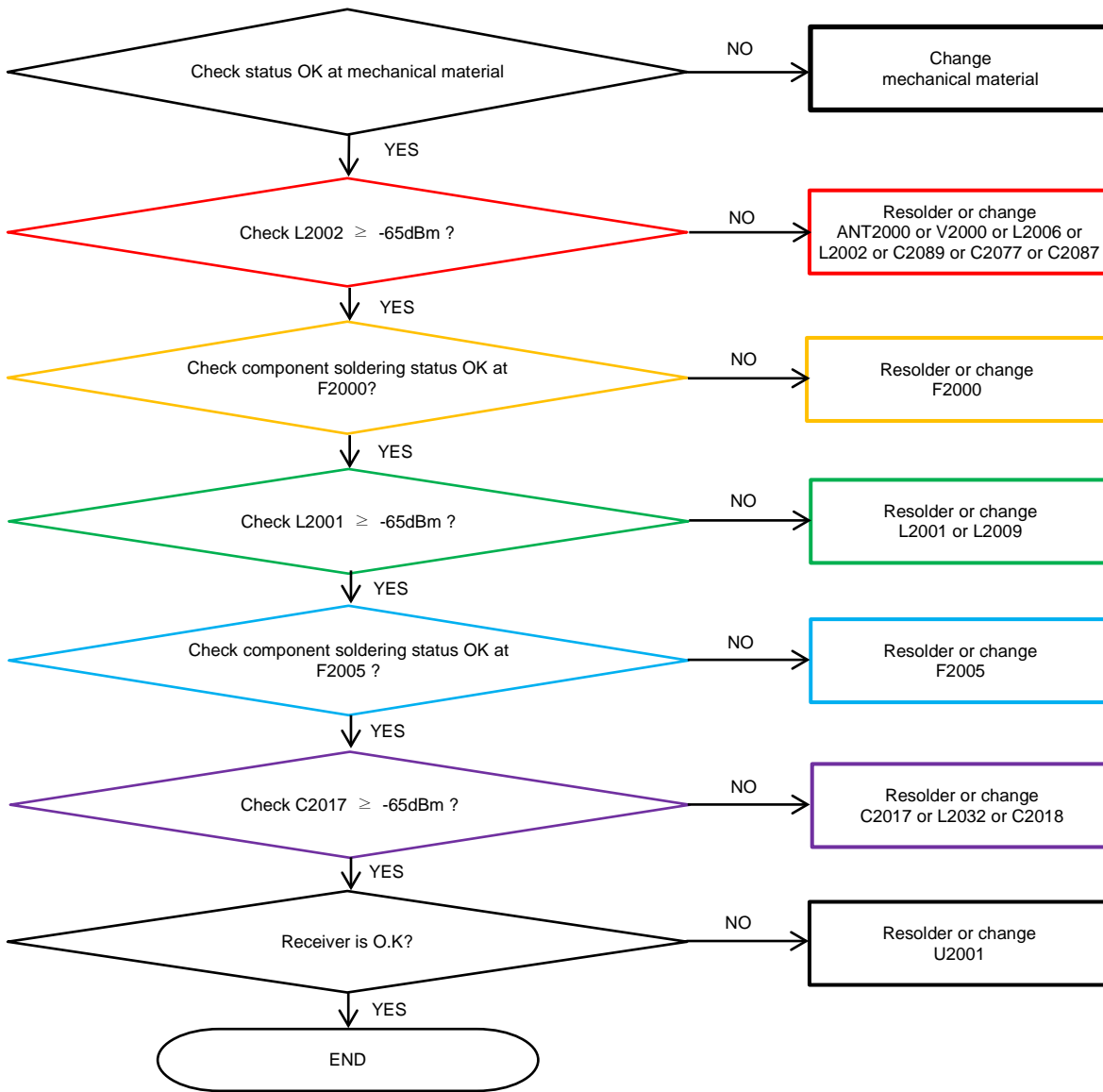
## 8. Level 3 Repair

### 8-4-37. TDSCDMA B38/40/41, LTE B7/38/40/41 DRx



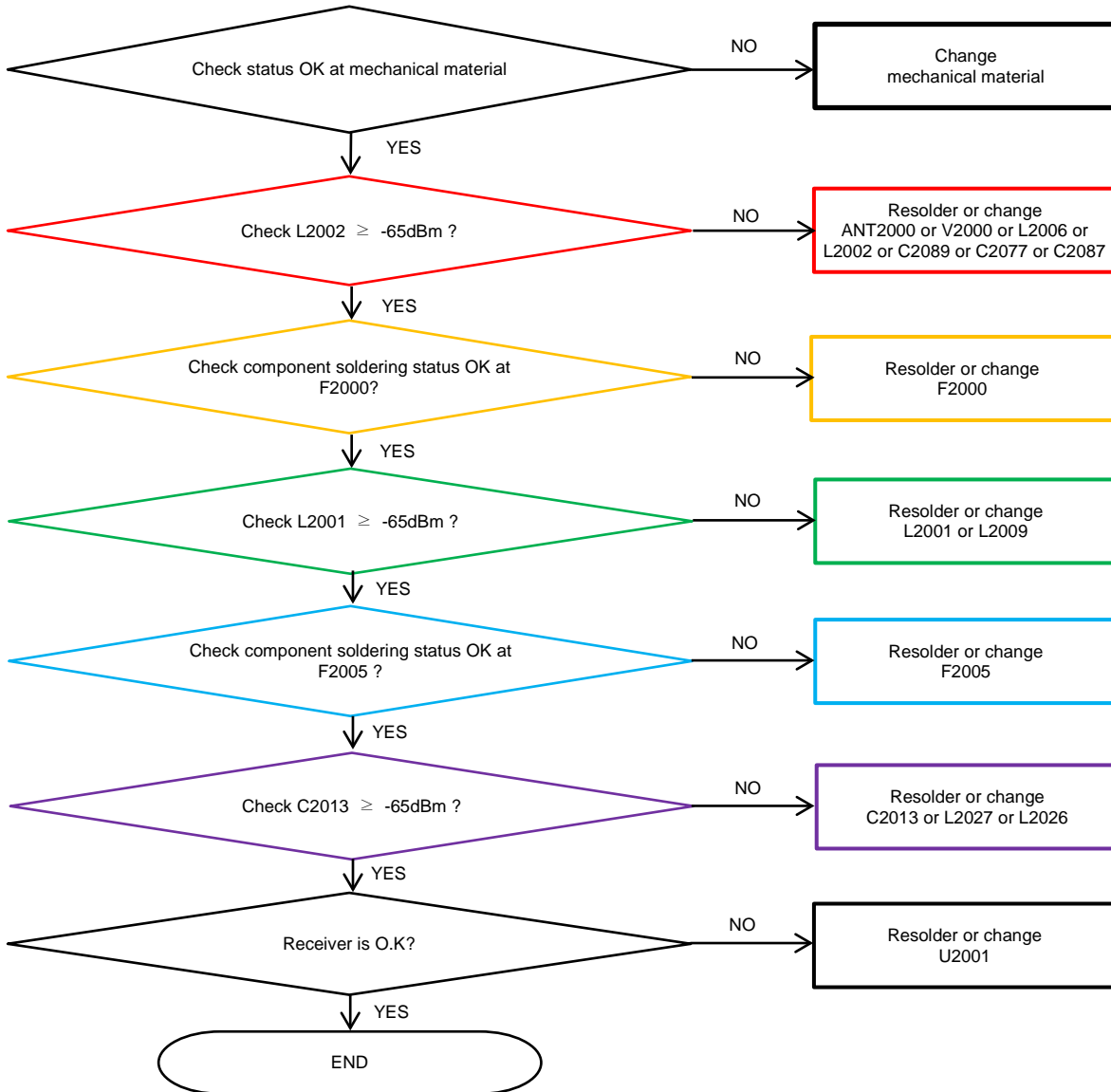
# 8. Level 3 Repair

## 8-4-38. LTE B1/4 4Rx\_DRx



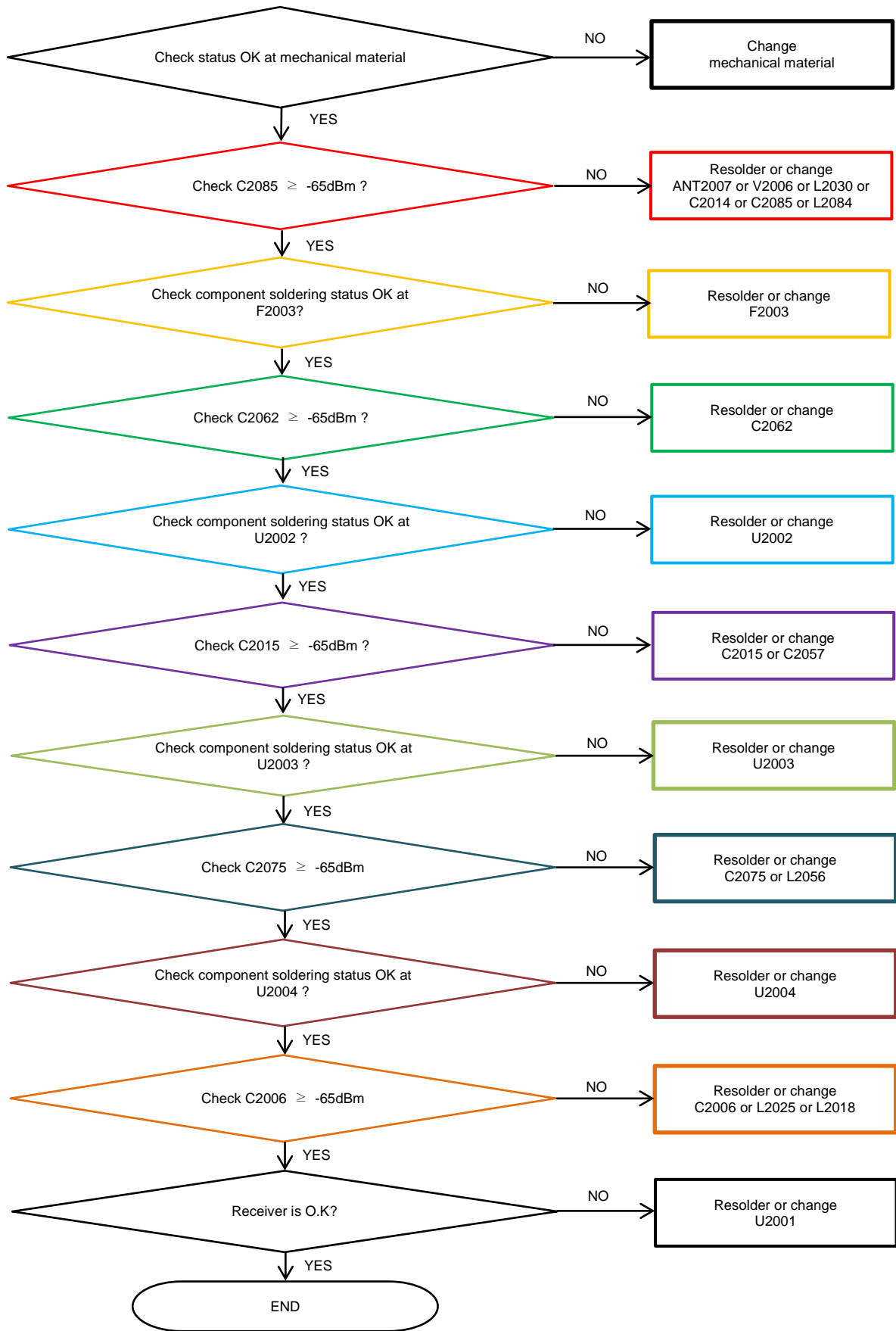
# 8. Level 3 Repair

## 8-4-39. LTE B3 4Rx\_DRx



# 8. Level 3 Repair

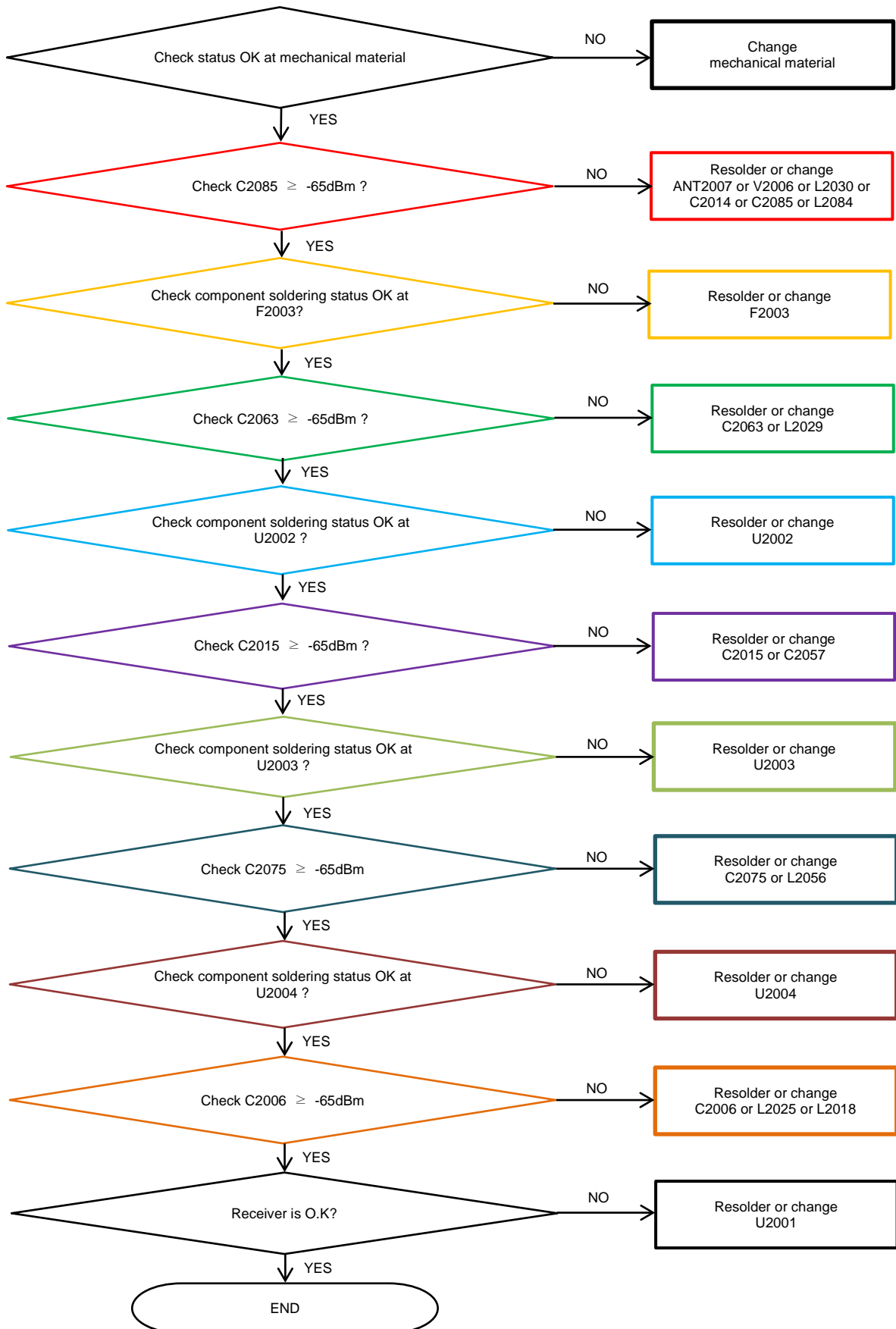
## 8-4-40. LTE B7 4Rx\_DRx





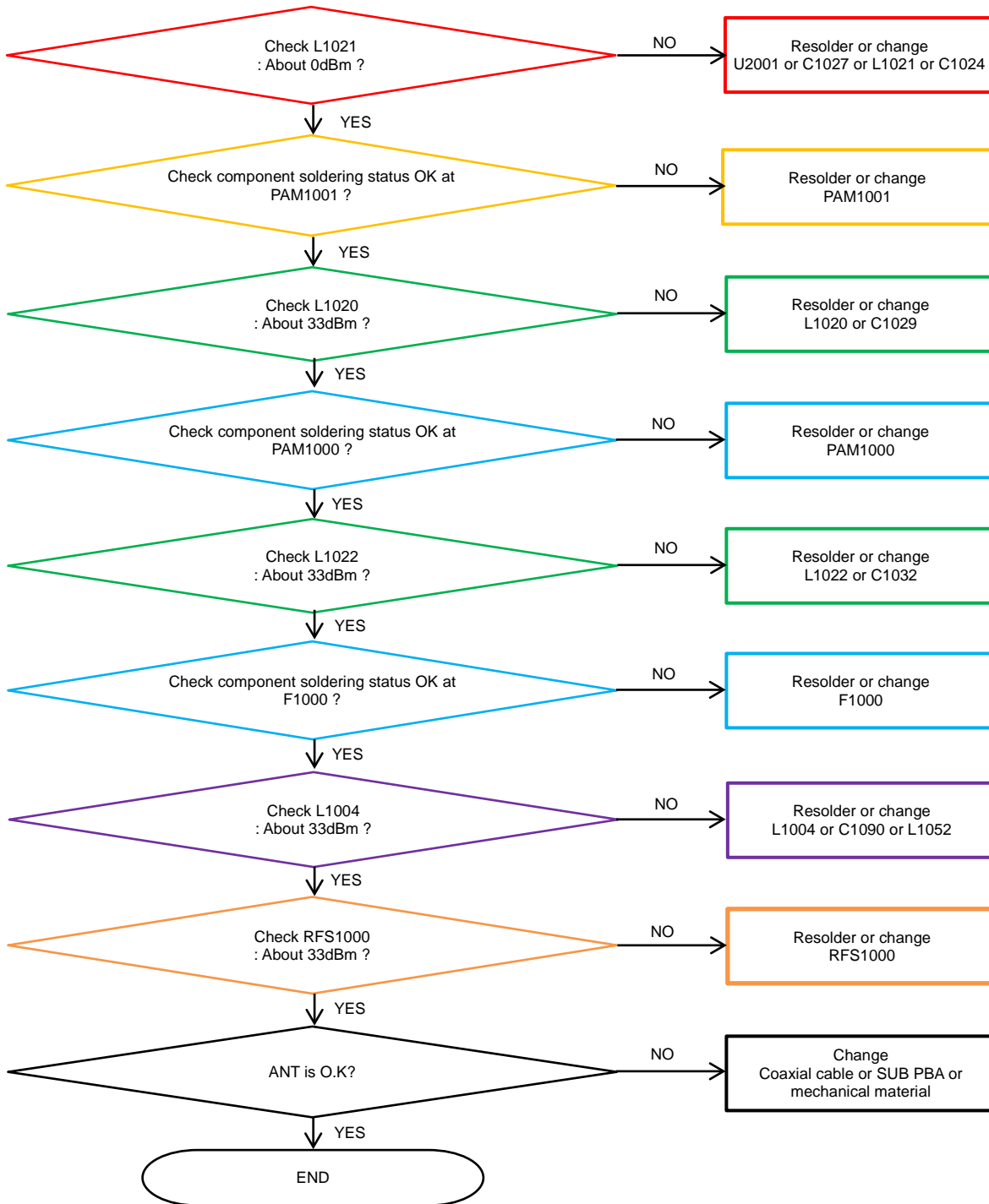
## 8. Level 3 Repair

### 8-4-41. LTE B40 4Rx\_DRx



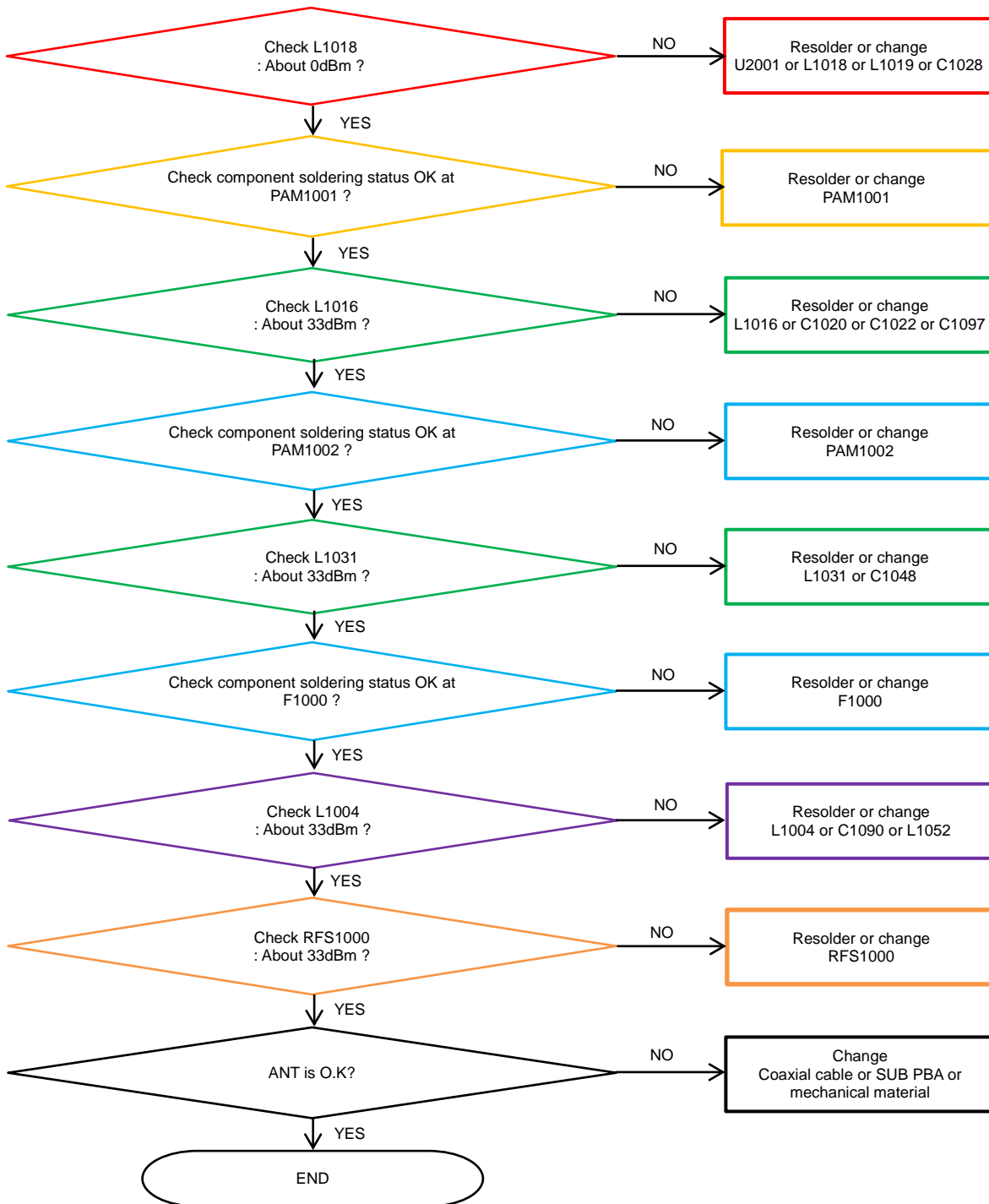
# 8. Level 3 Repair

## 8-4-42. GSM 850/900 Tx



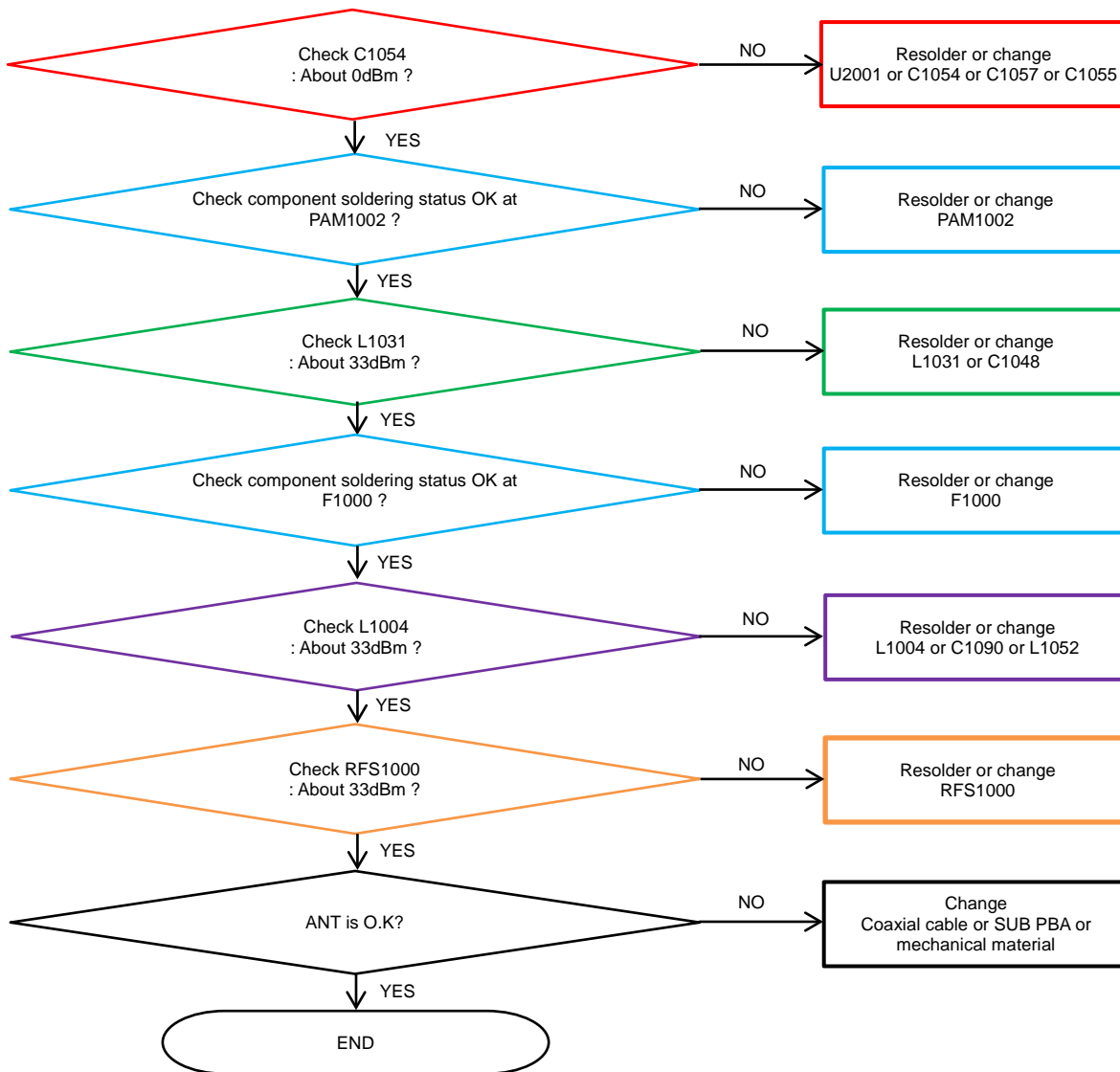
# 8. Level 3 Repair

## 8-4-43. DCS1800/PCS1900 Tx



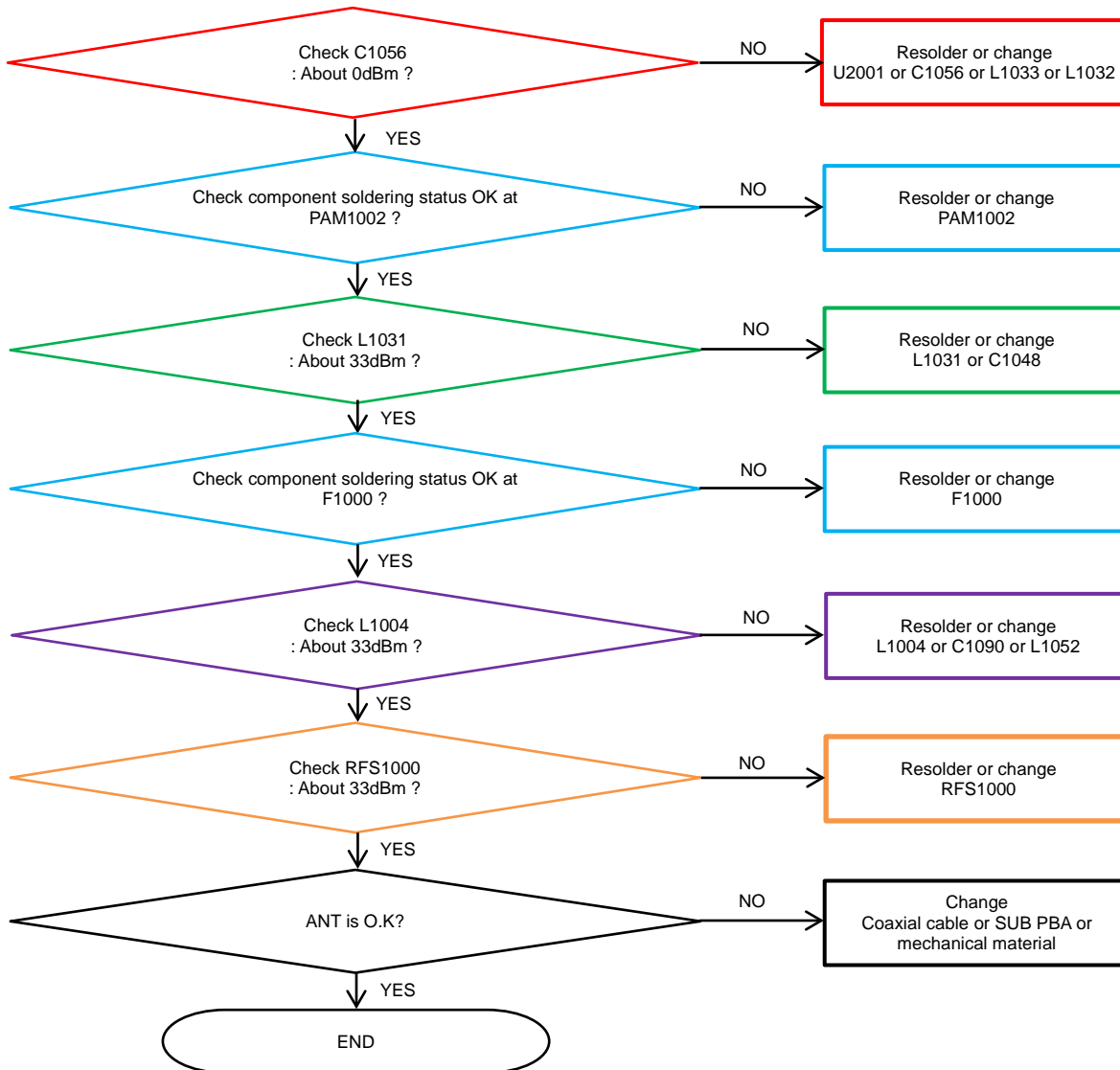
## 8. Level 3 Repair

### 8-4-44. WCDMA B1/2/4, TDSCDMA B34/39, LTE B1/2/3/4/25/34/39 Tx



## 8. Level 3 Repair

### 8-4-45. TDSCDMA B38/40/41, LTE B7/38/40/41 Tx



## 8. Level 3 Repair

### 8-4-46. WCDMA B5/8, LTE B5/8/12/13/17/18/19/20/26/28 Tx

