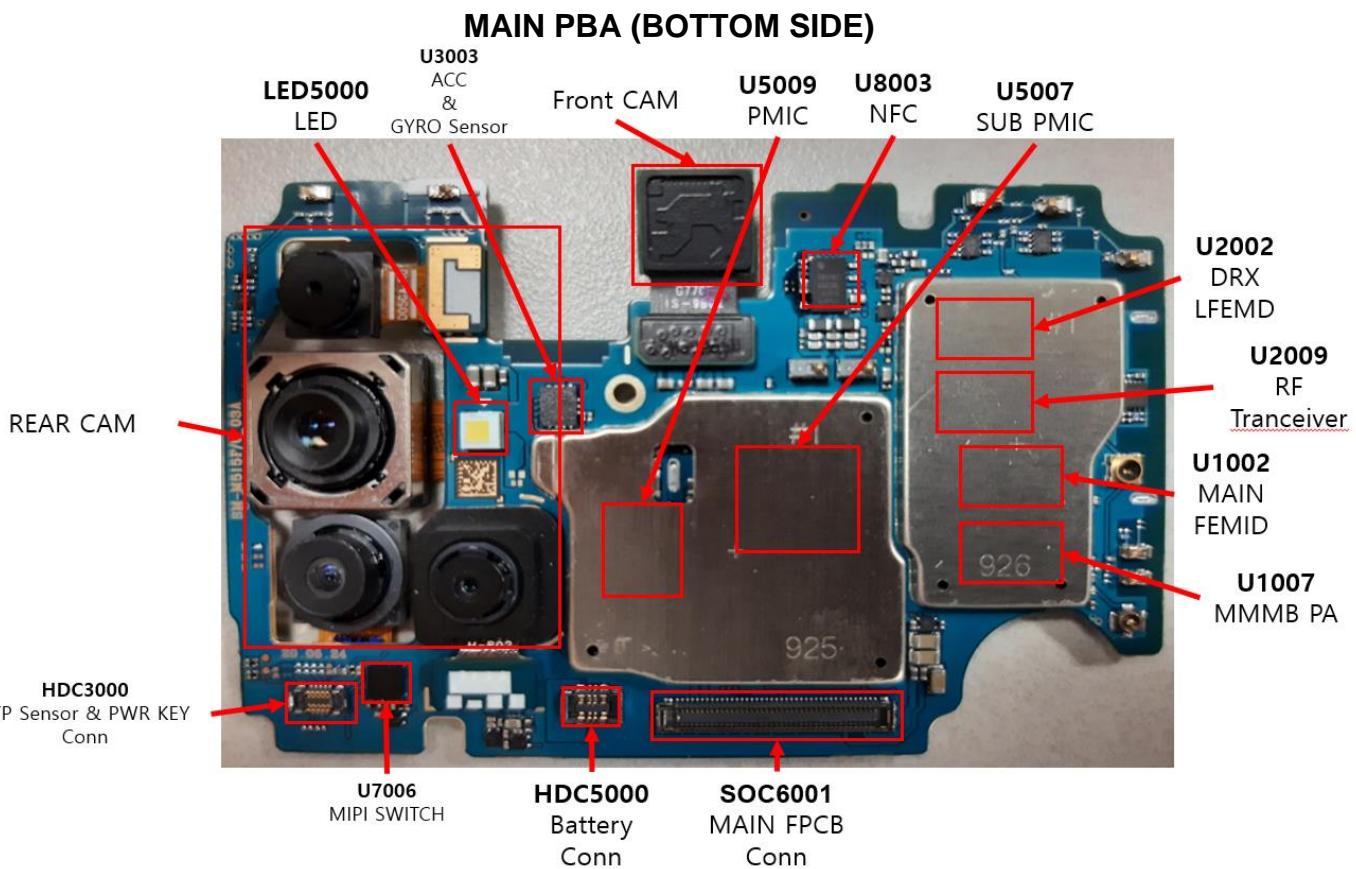
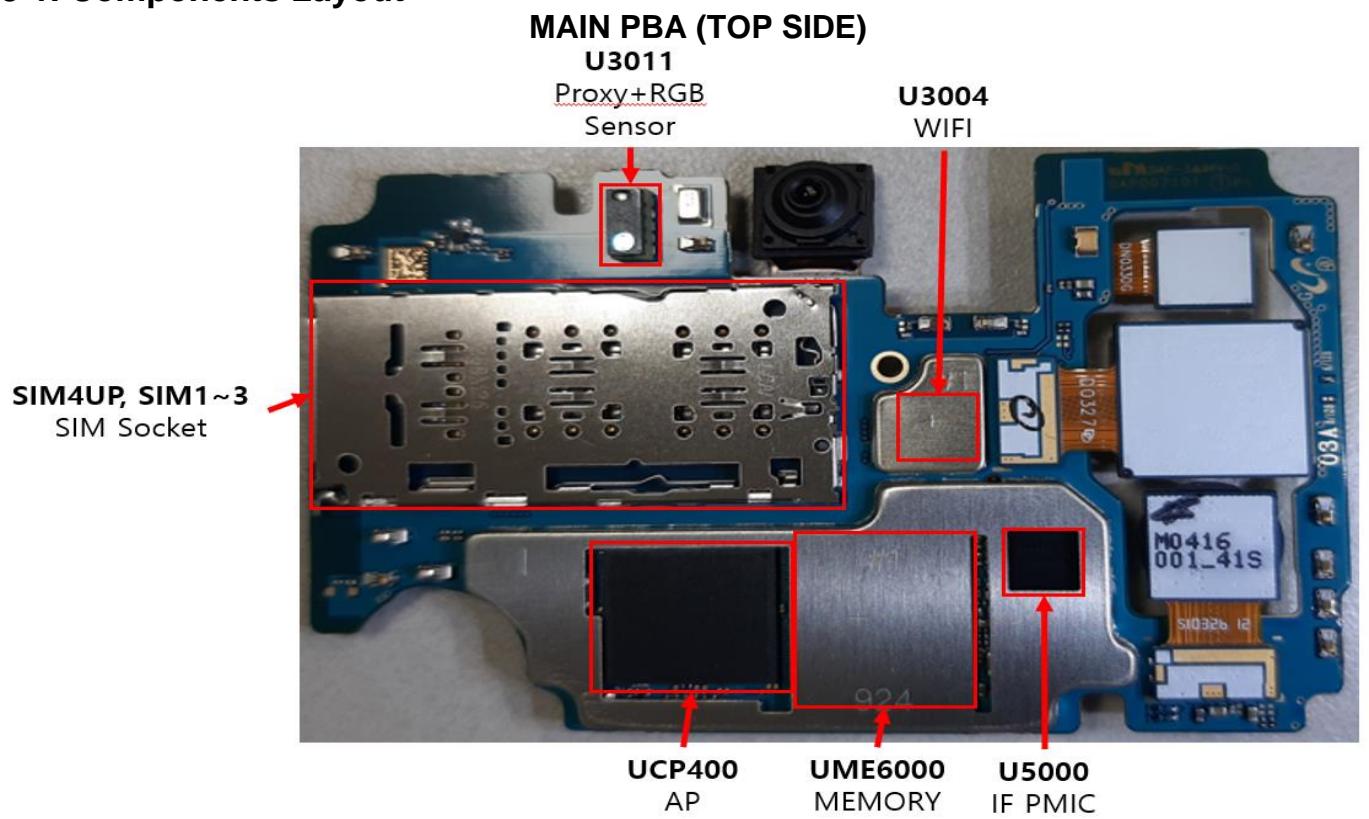


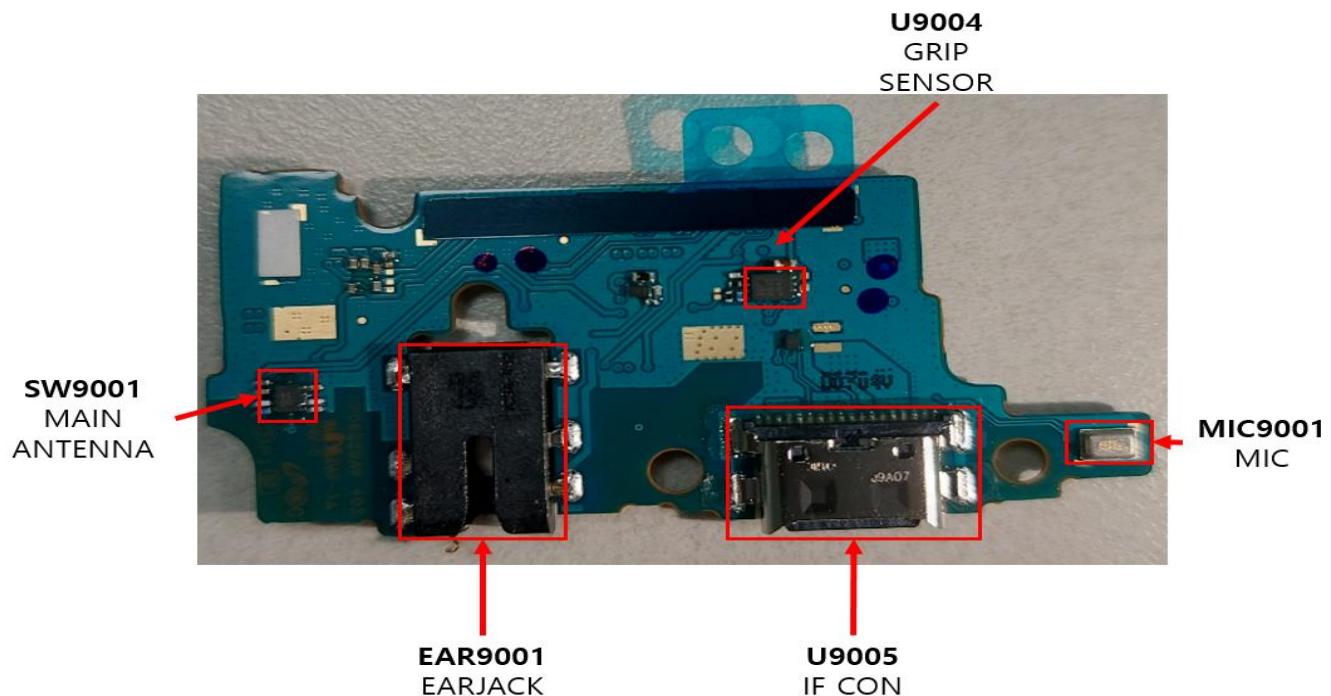
## 8. Level 3 Repair

### 8-1. Components Layout

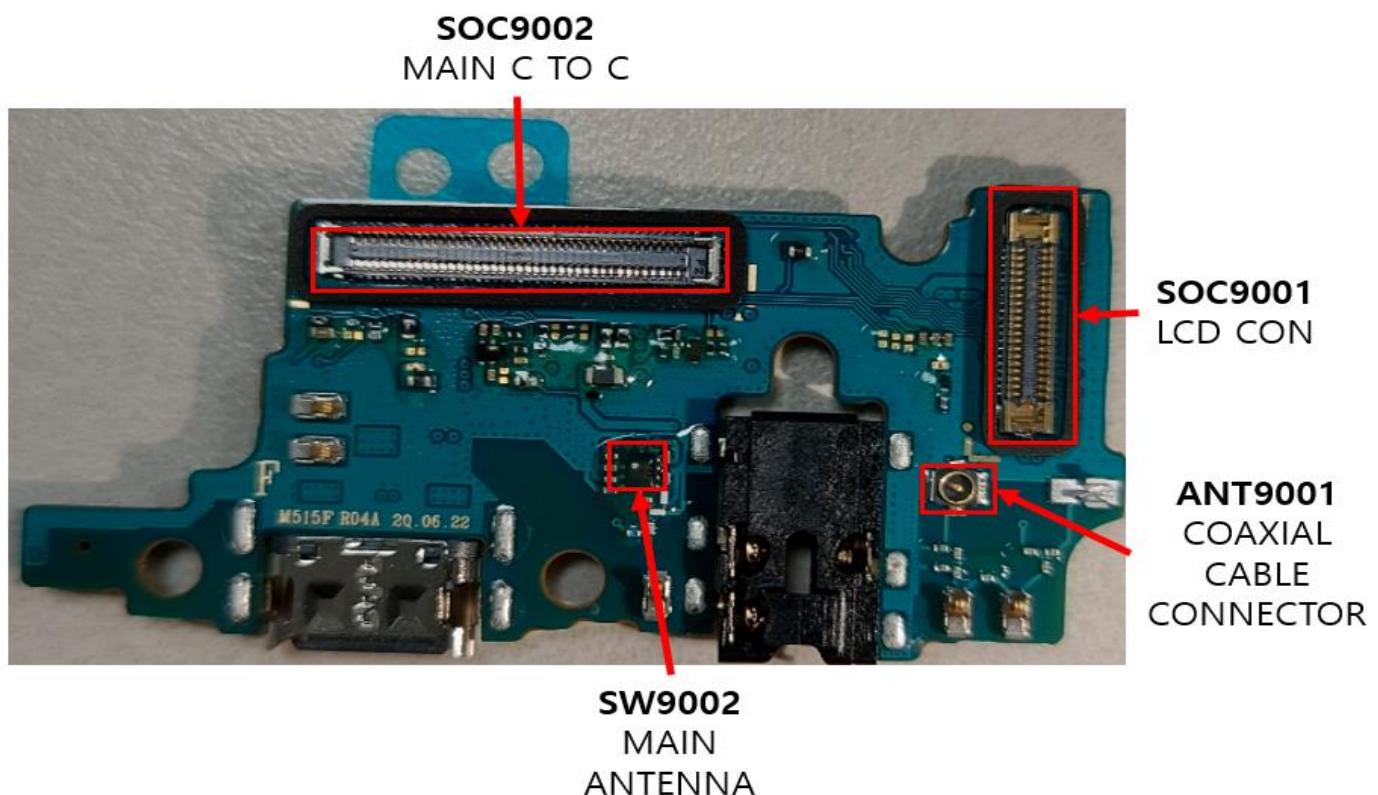


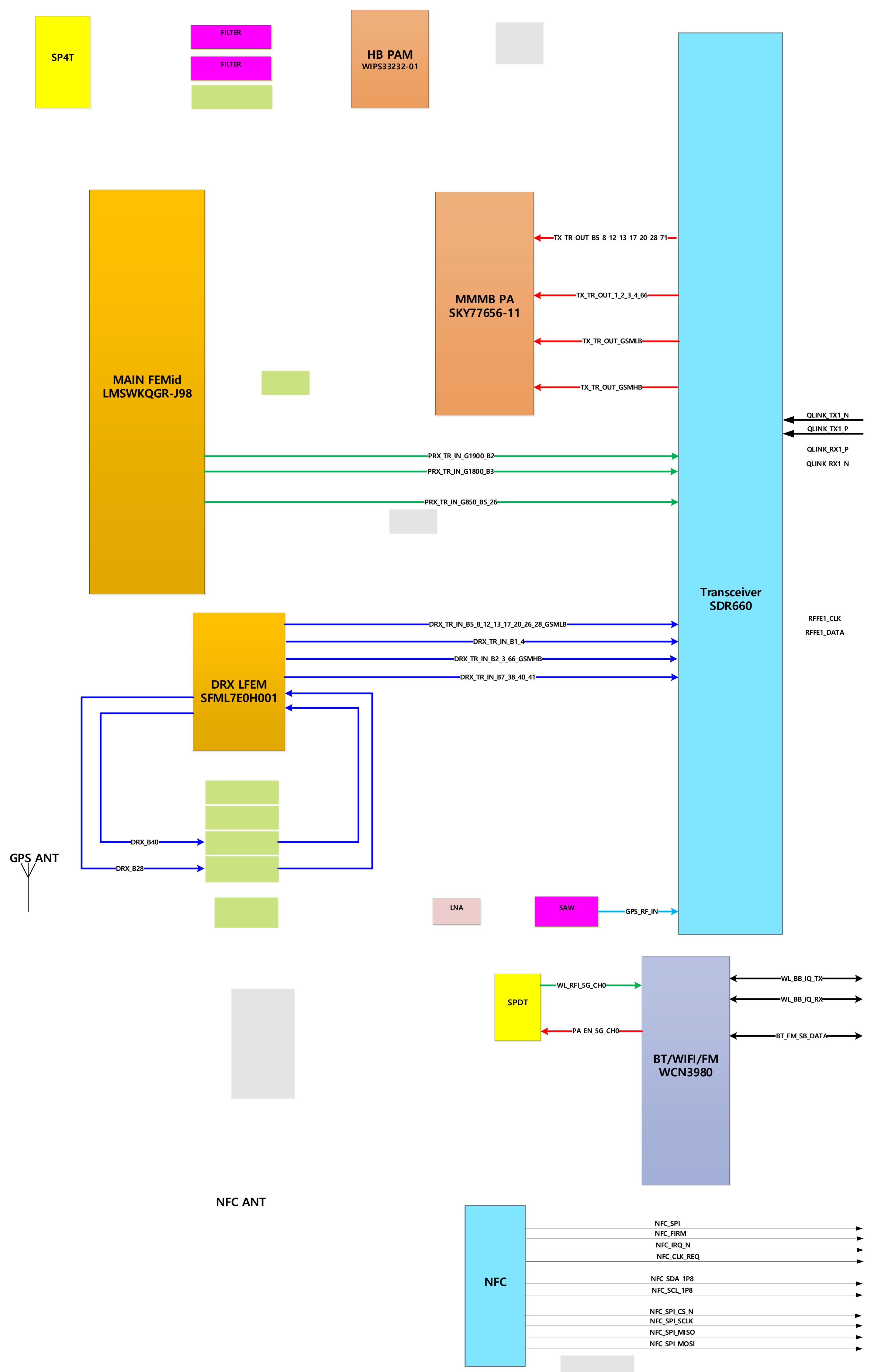
## 8. Level 3 Repair

### SUB PBA (TOP SIDE)

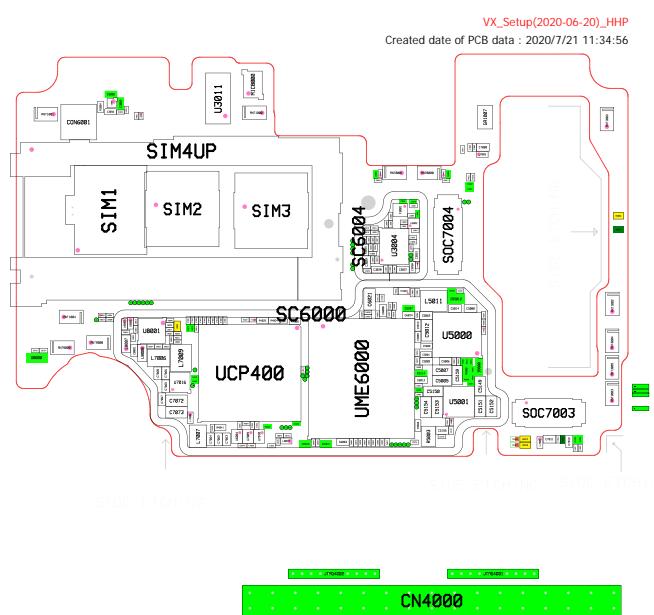


### SUB PBA (BOTTOM SIDE)





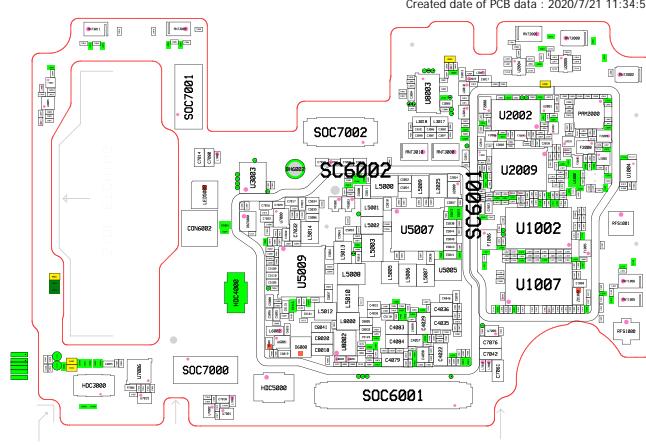
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Manufacture Count :  
Charge :  
Contact :  
Date :  
Routing :  
Resin :



Model :  
Revision :  
Manufacture Count :  
Charge :  
Contact :  
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Routing :  
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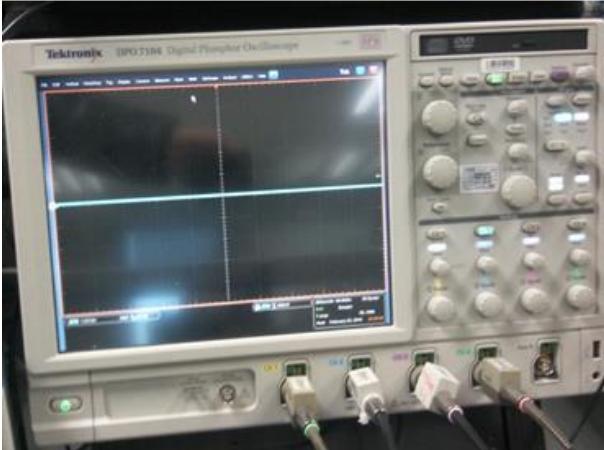
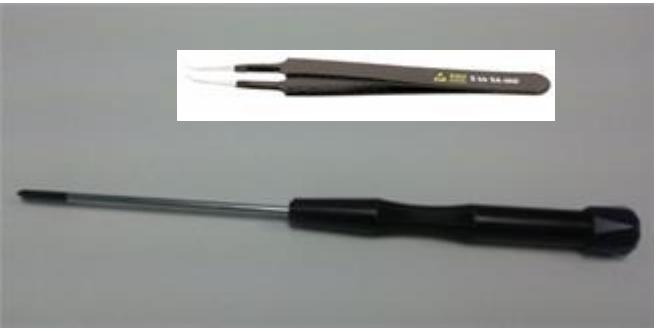
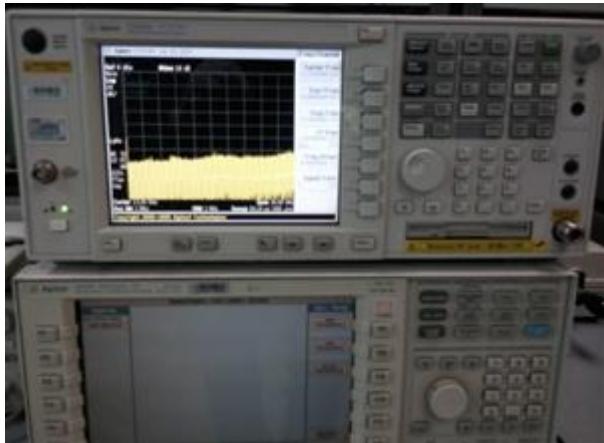
VX\_Setup(2020-06-20)\_HHP

Created date of PCB data : 2020/7/21 11:34:56



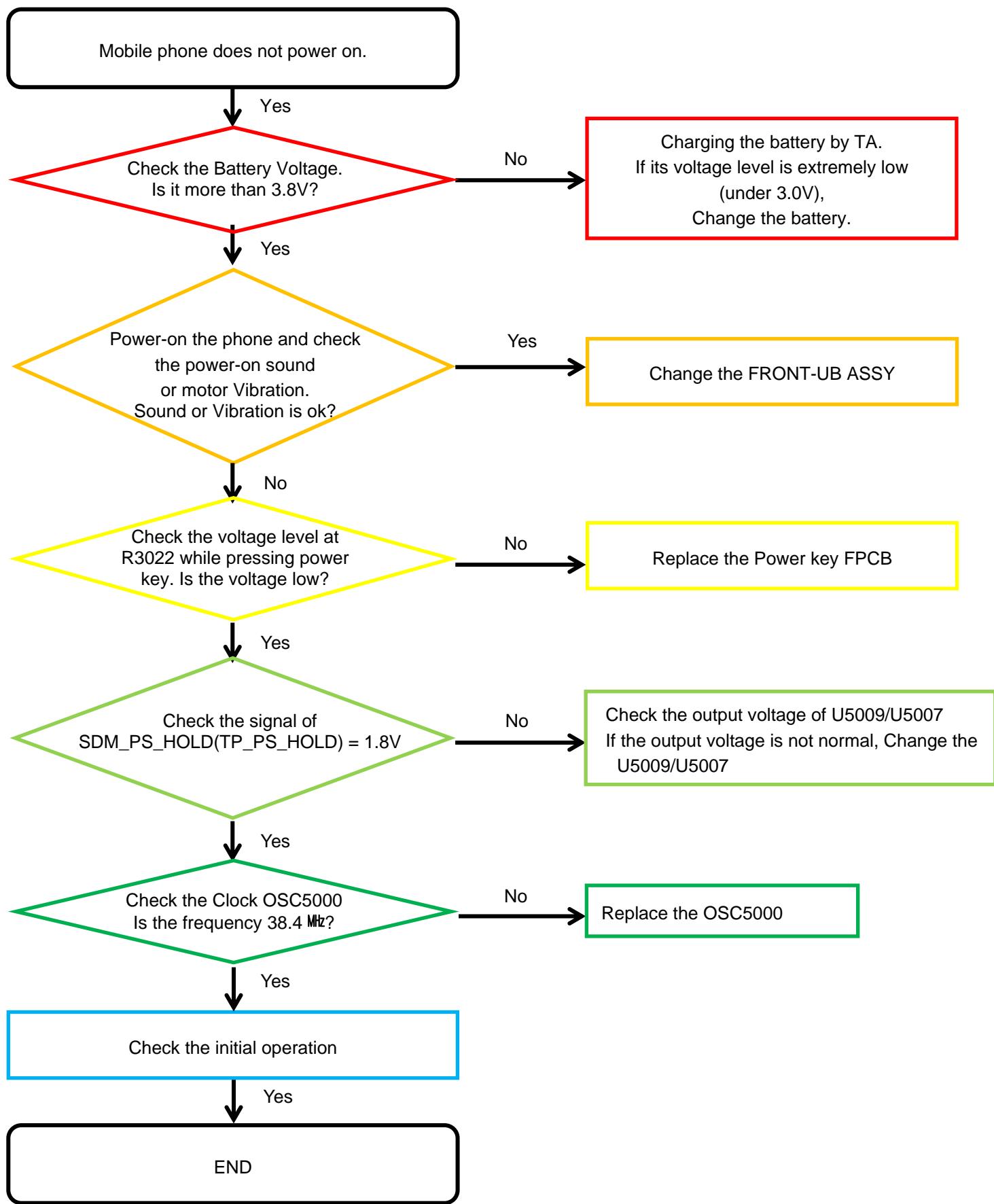
## 8. Level 3 Repair

### 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>

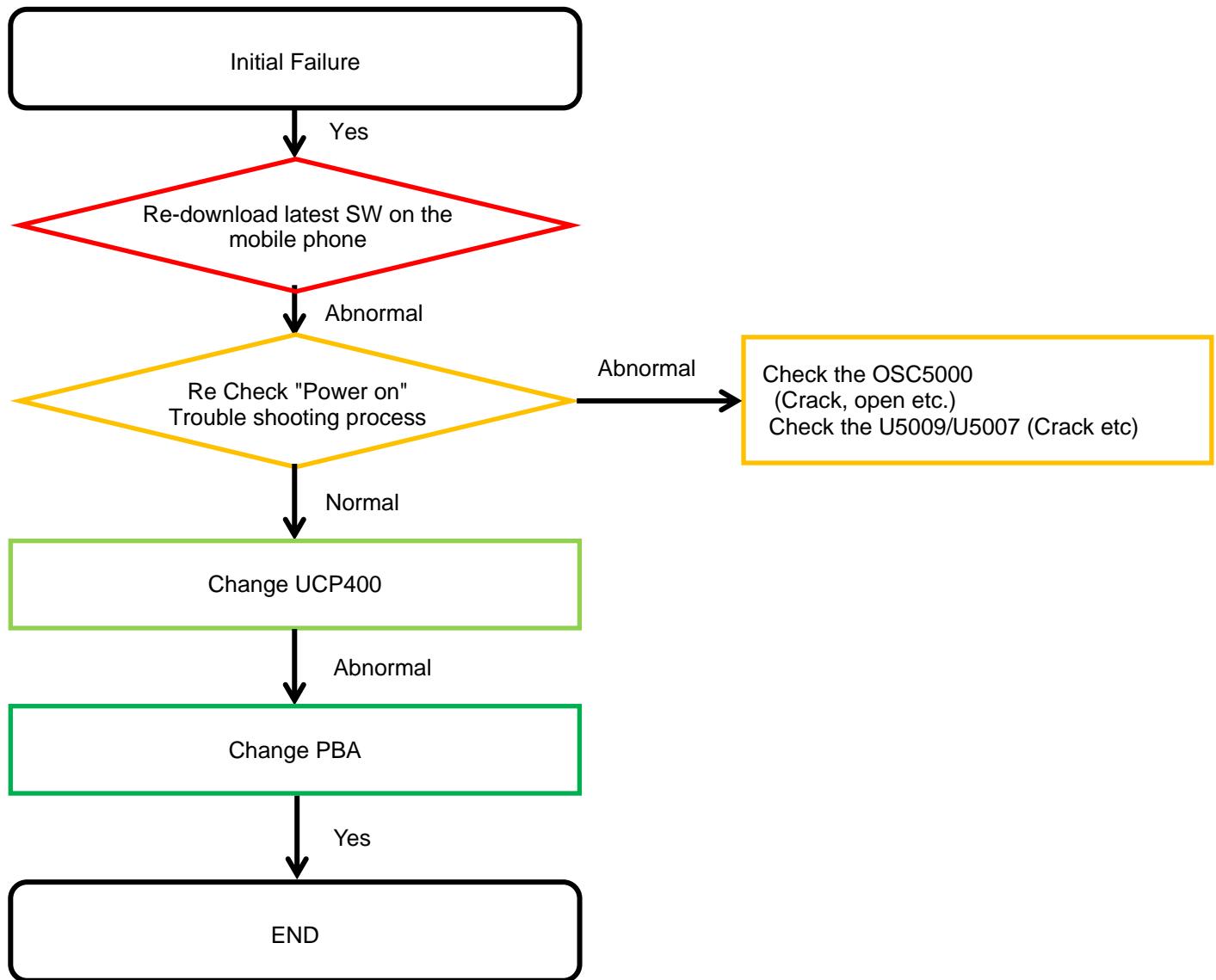
## 8. Level 3 Repair

### 8-4-1. Power On



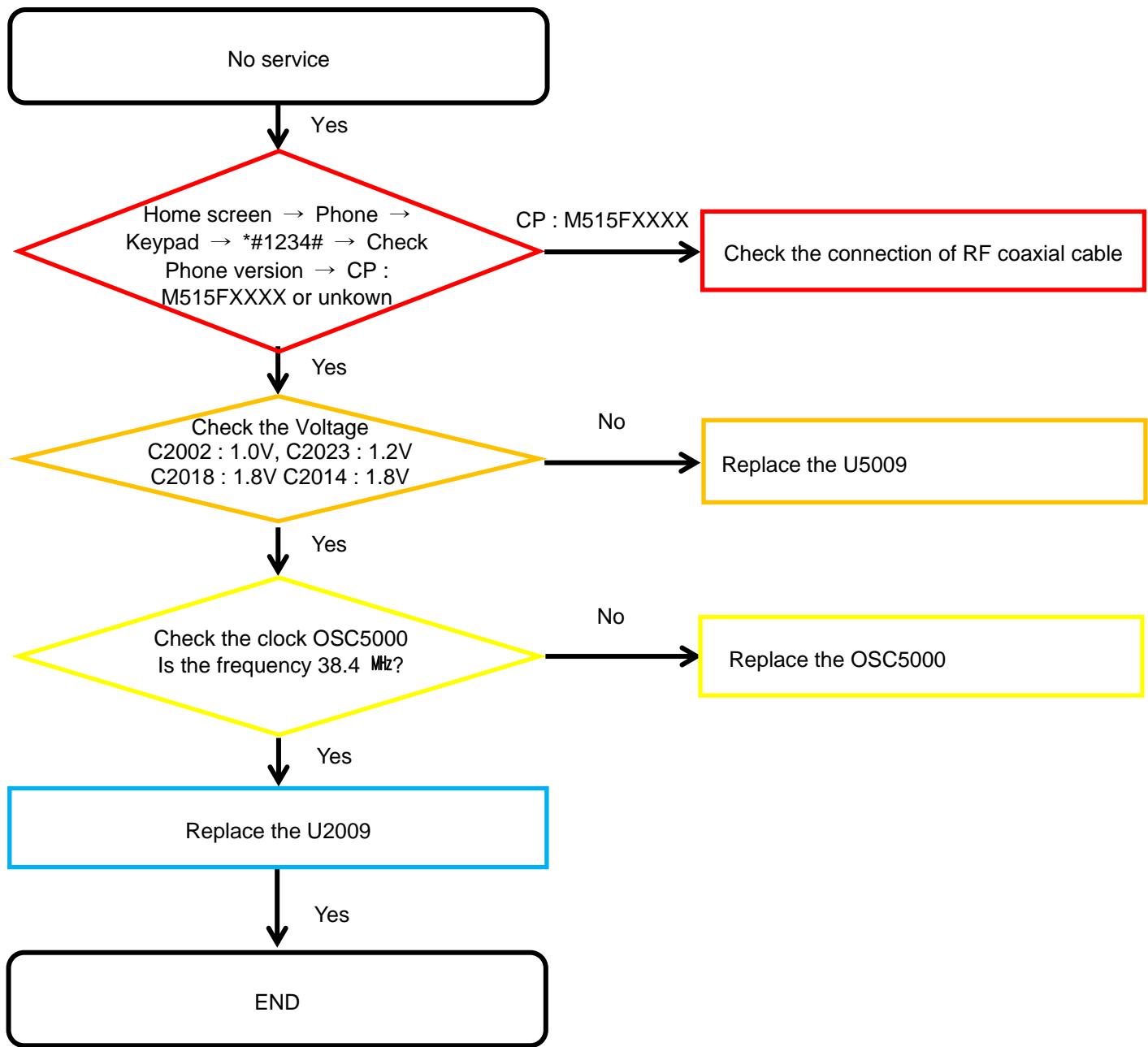
## 8. Level 3 Repair

### 8-4-2. Initial



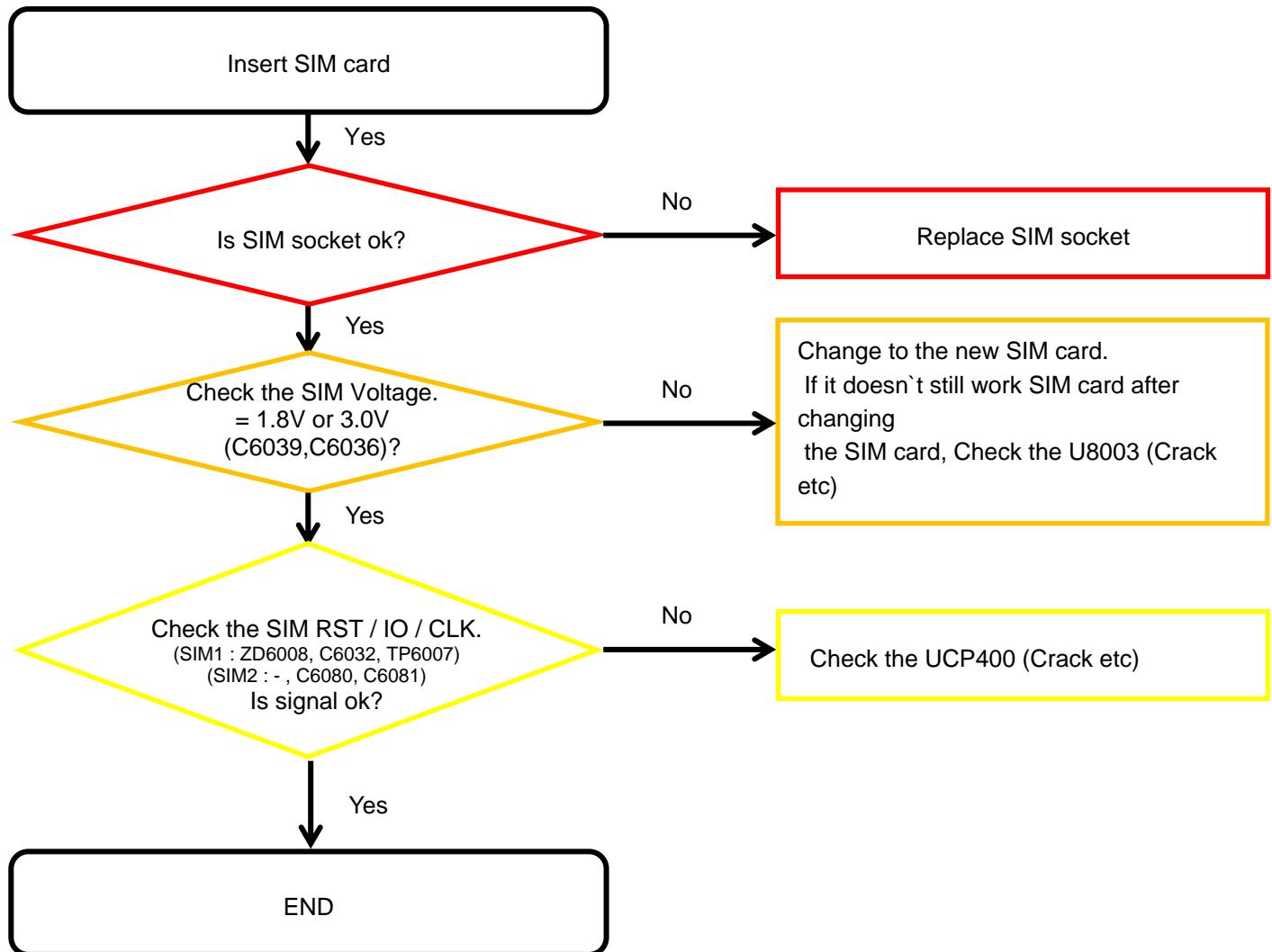
## 8. Level 3 Repair

### 8-4-3. No Service



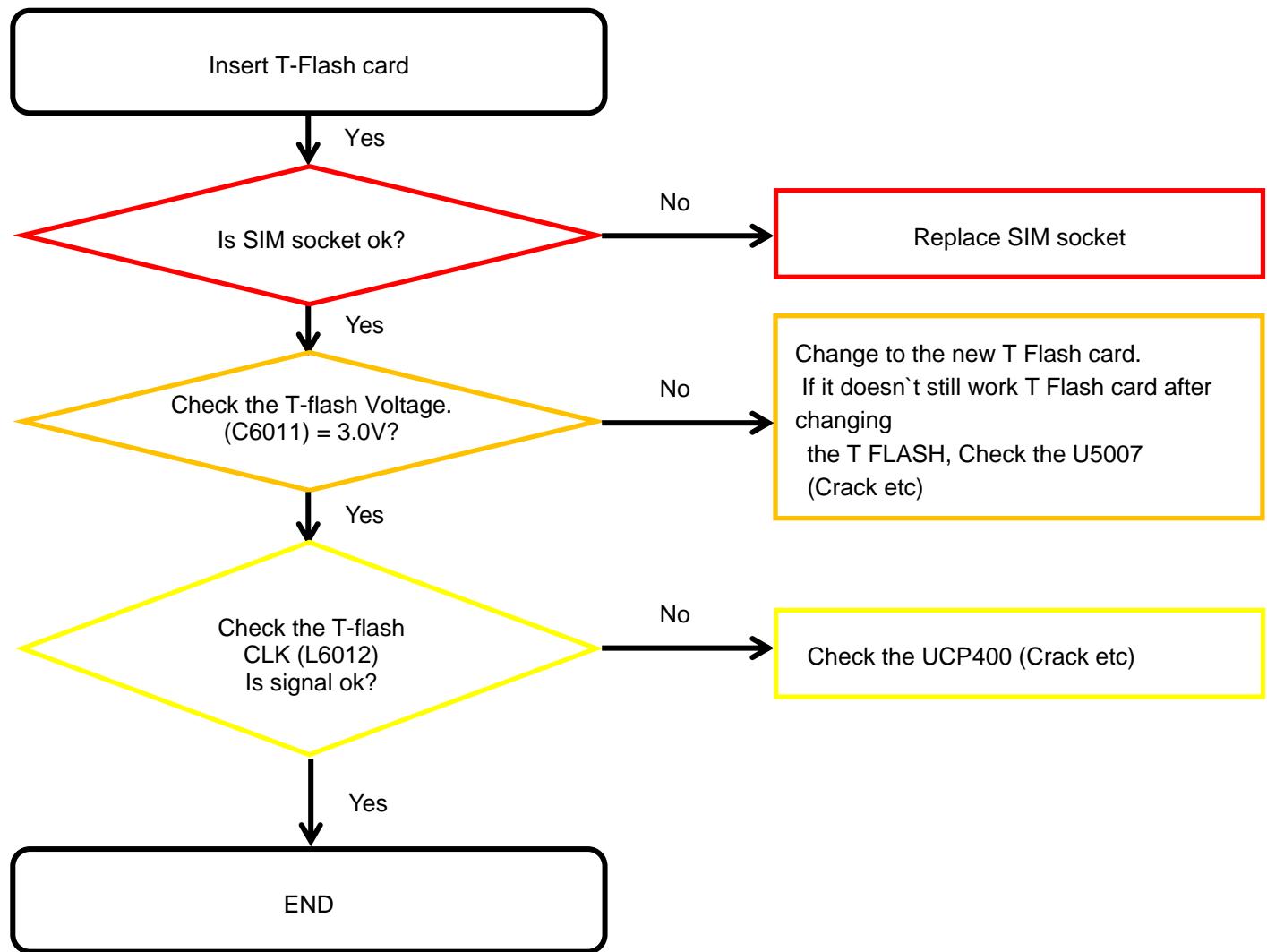
## 8. Level 3 Repair

### 8-4-4. SIM Part



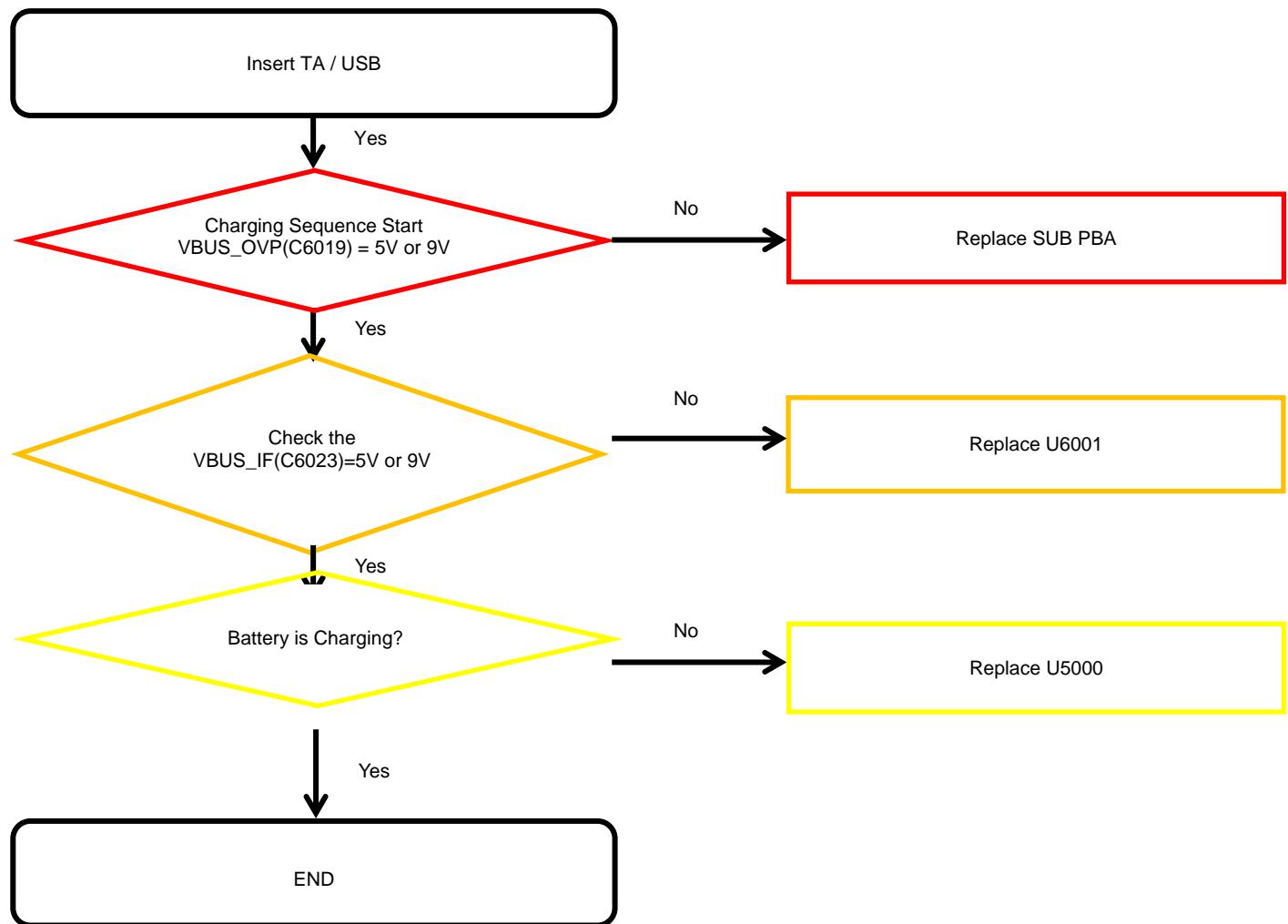
## 8. Level 3 Repair

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



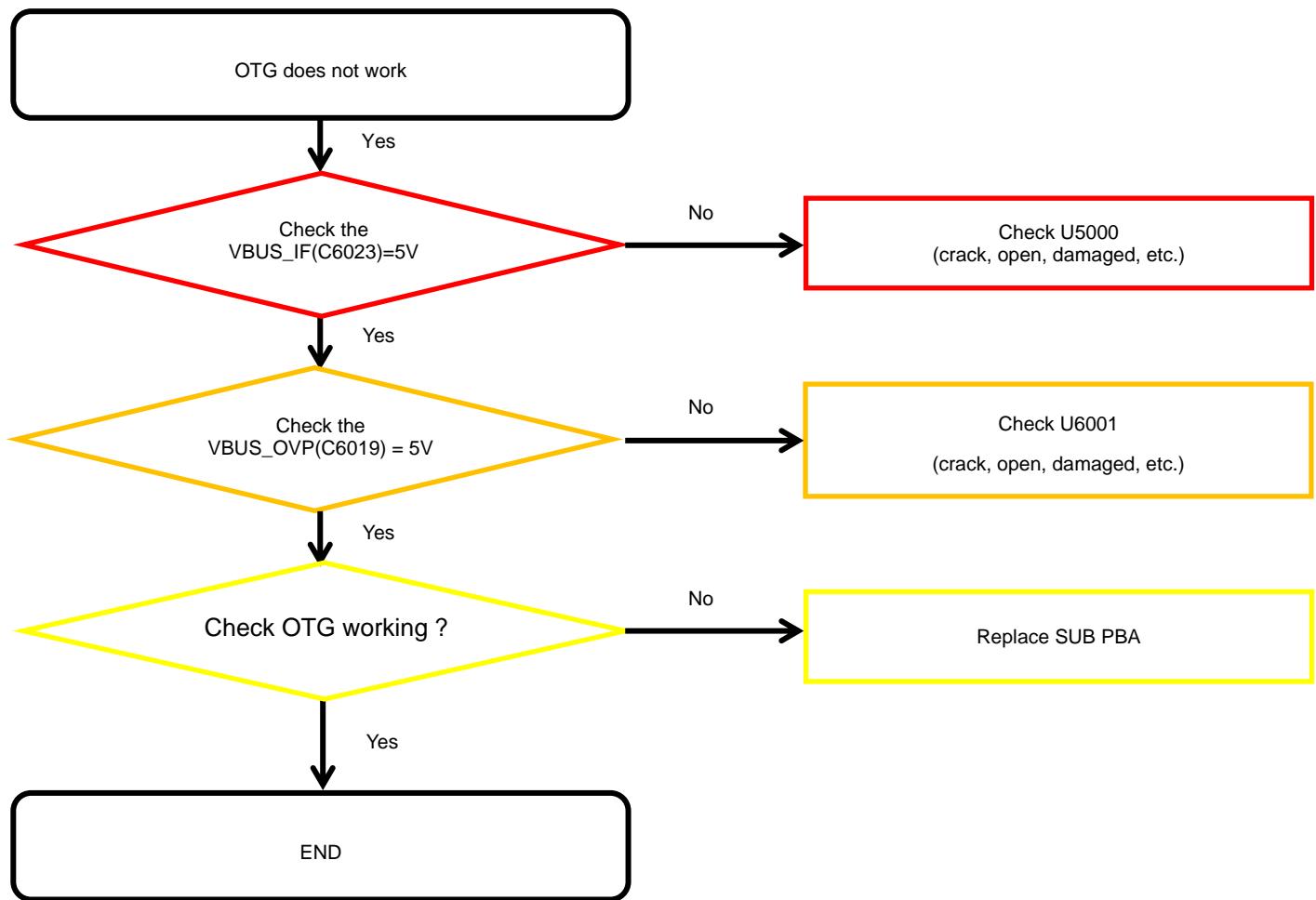
## 8. Level 3 Repair

### 8-4-6. Cable Charging Part



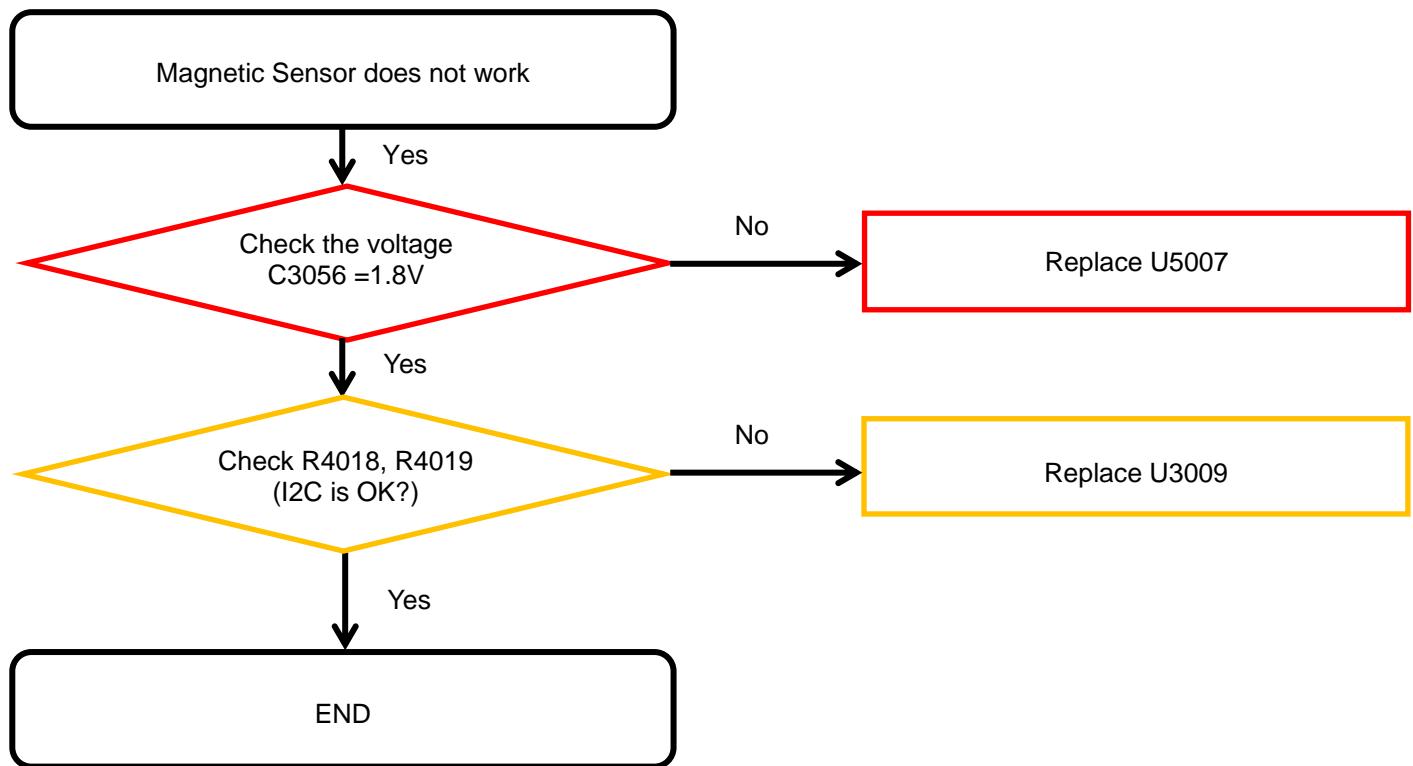
## 8. Level 3 Repair

### 8-4-7. OTG



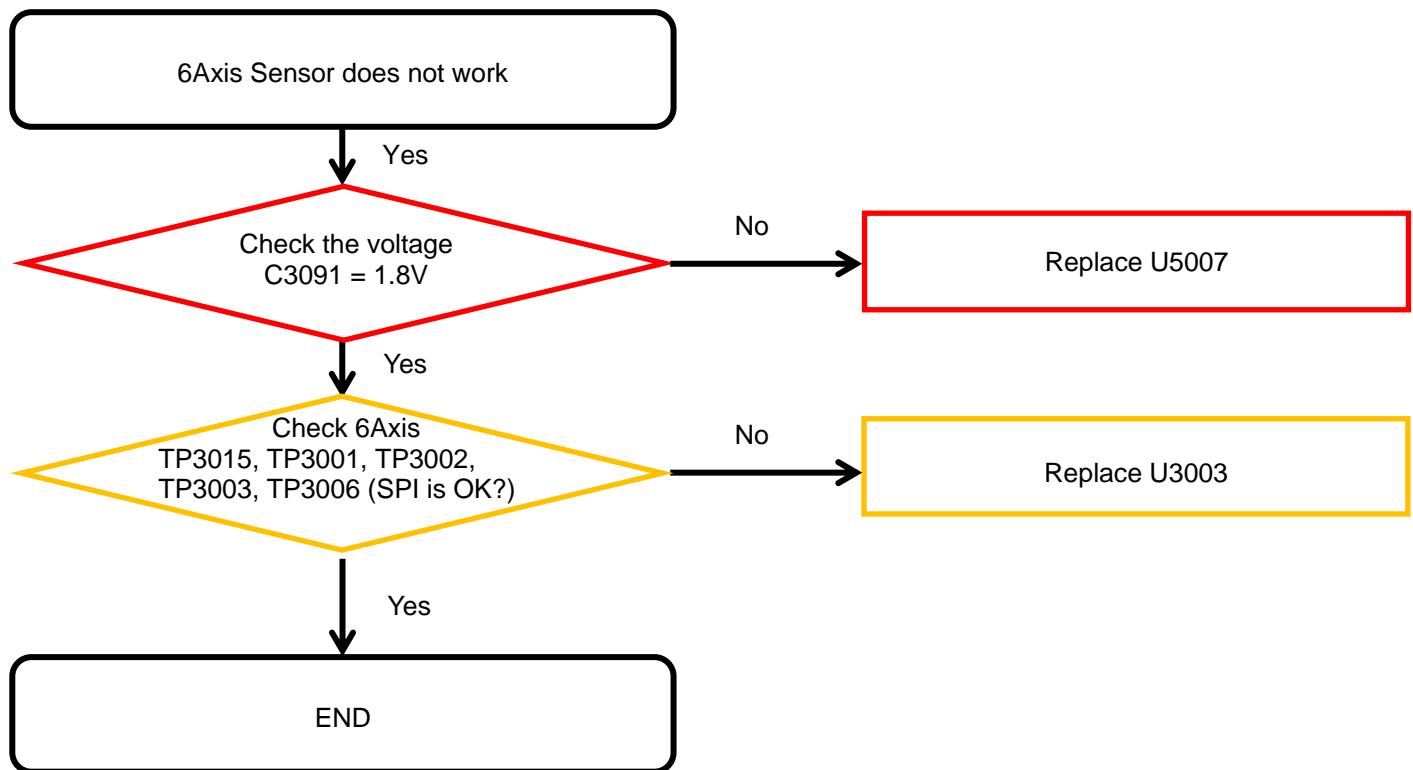
## 8. Level 3 Repair

### 8-4-8-1. Magnetic Sensor



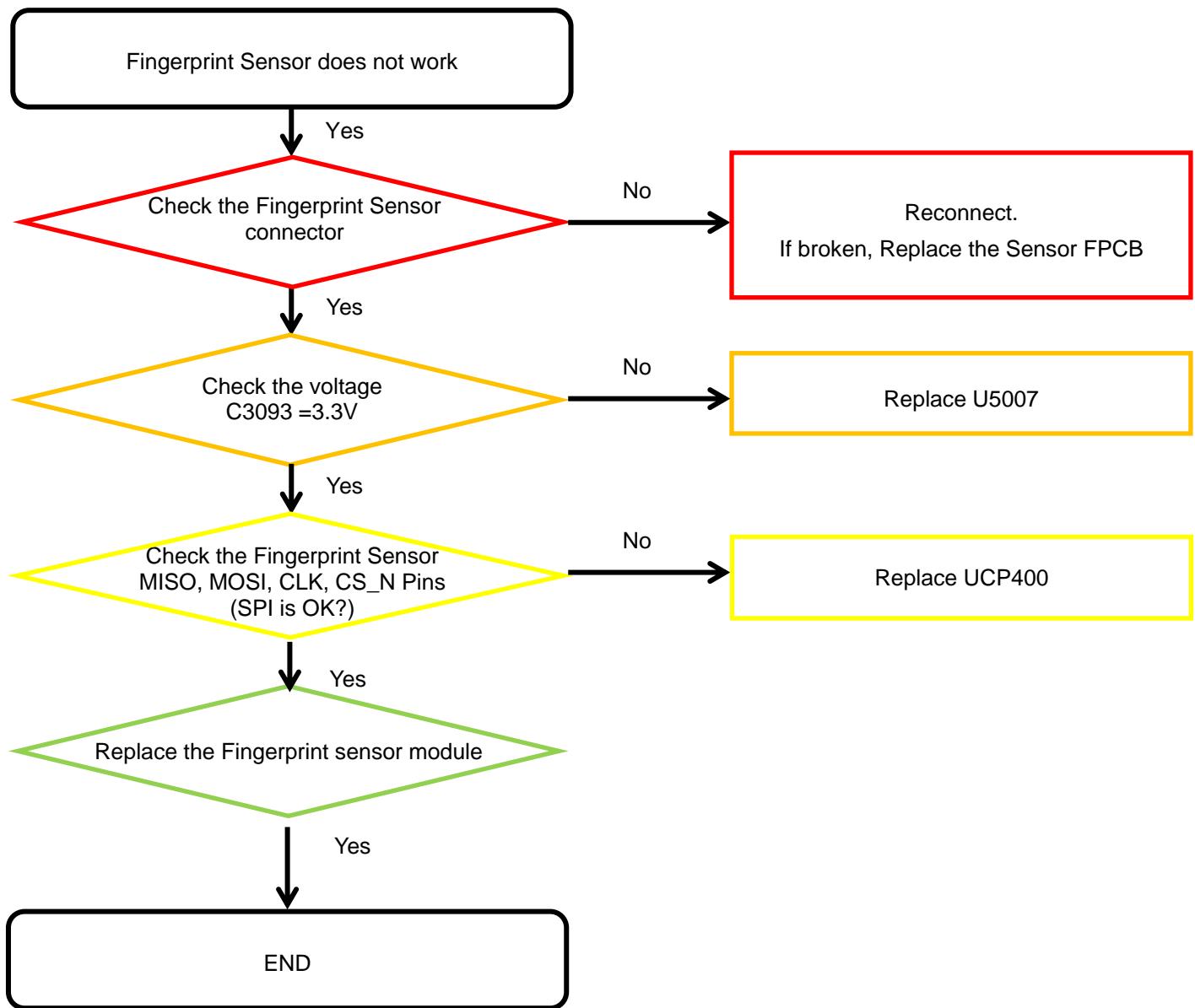
## 8. Level 3 Repair

### 8-4-8-2. 6Axis Sensor



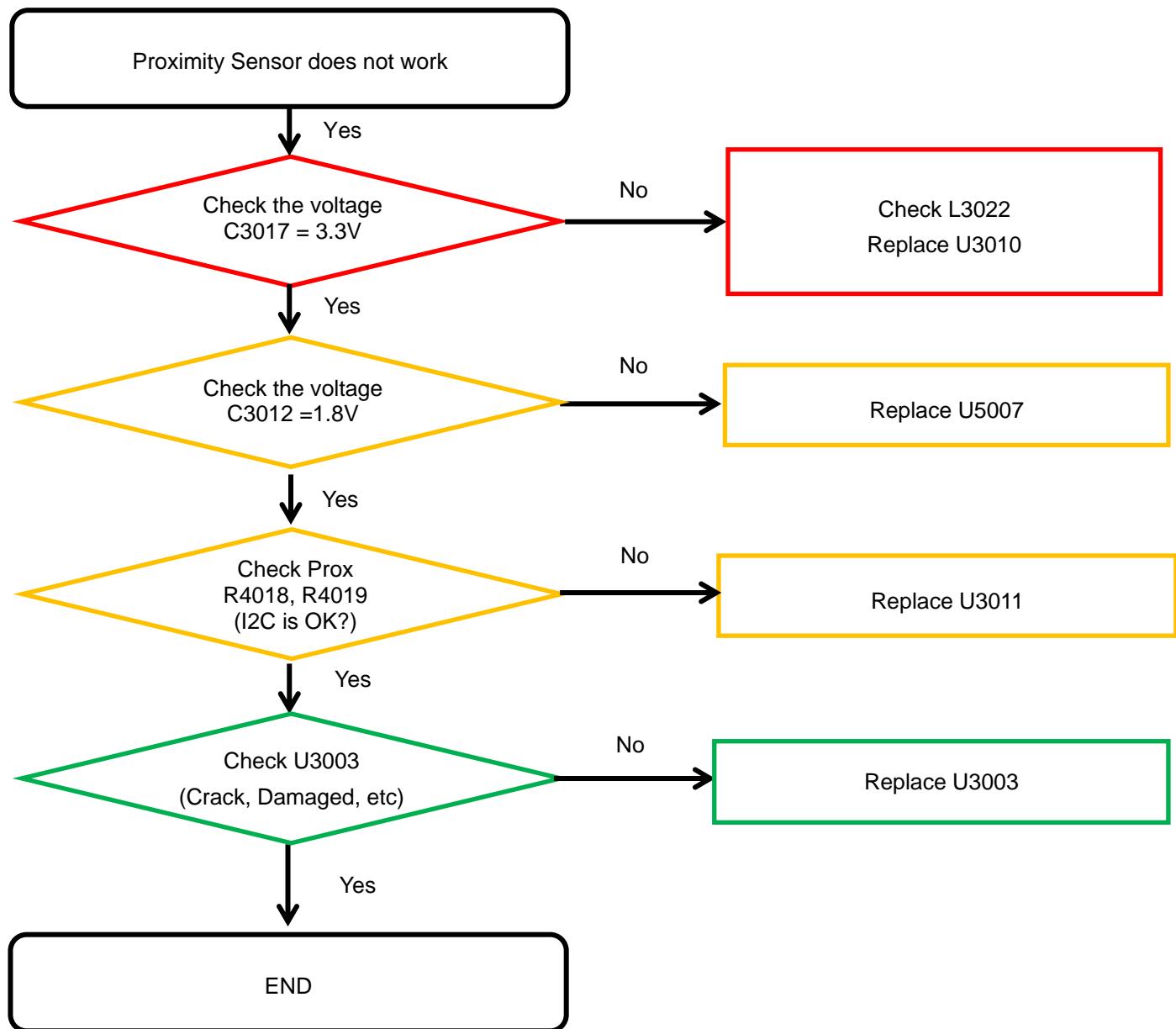
## 8. Level 3 Repair

### 8-4-8-3. Fingerprint Sensor



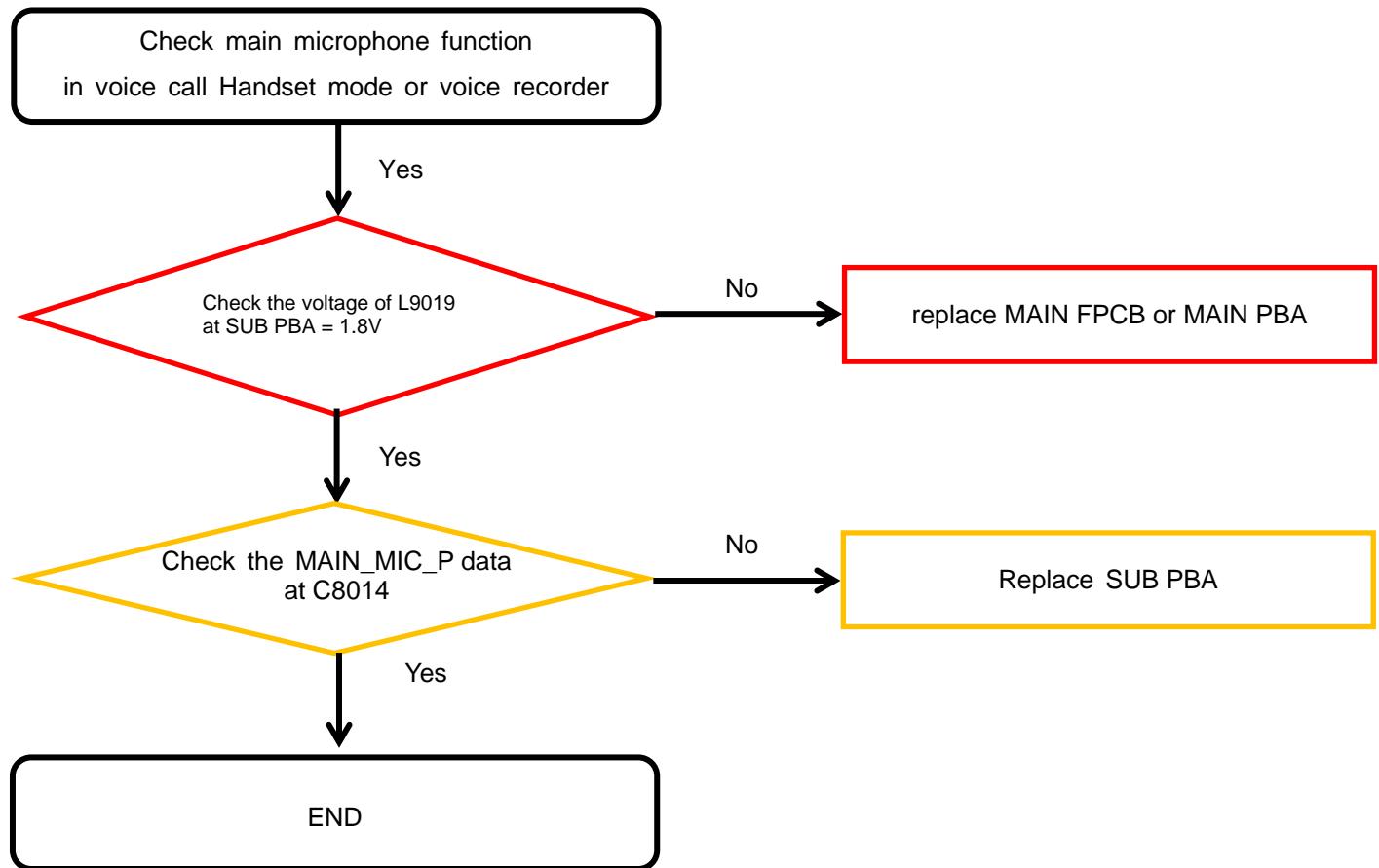
## 8. Level 3 Repair

### 8-4-8-4. Proximity / Light Sensor



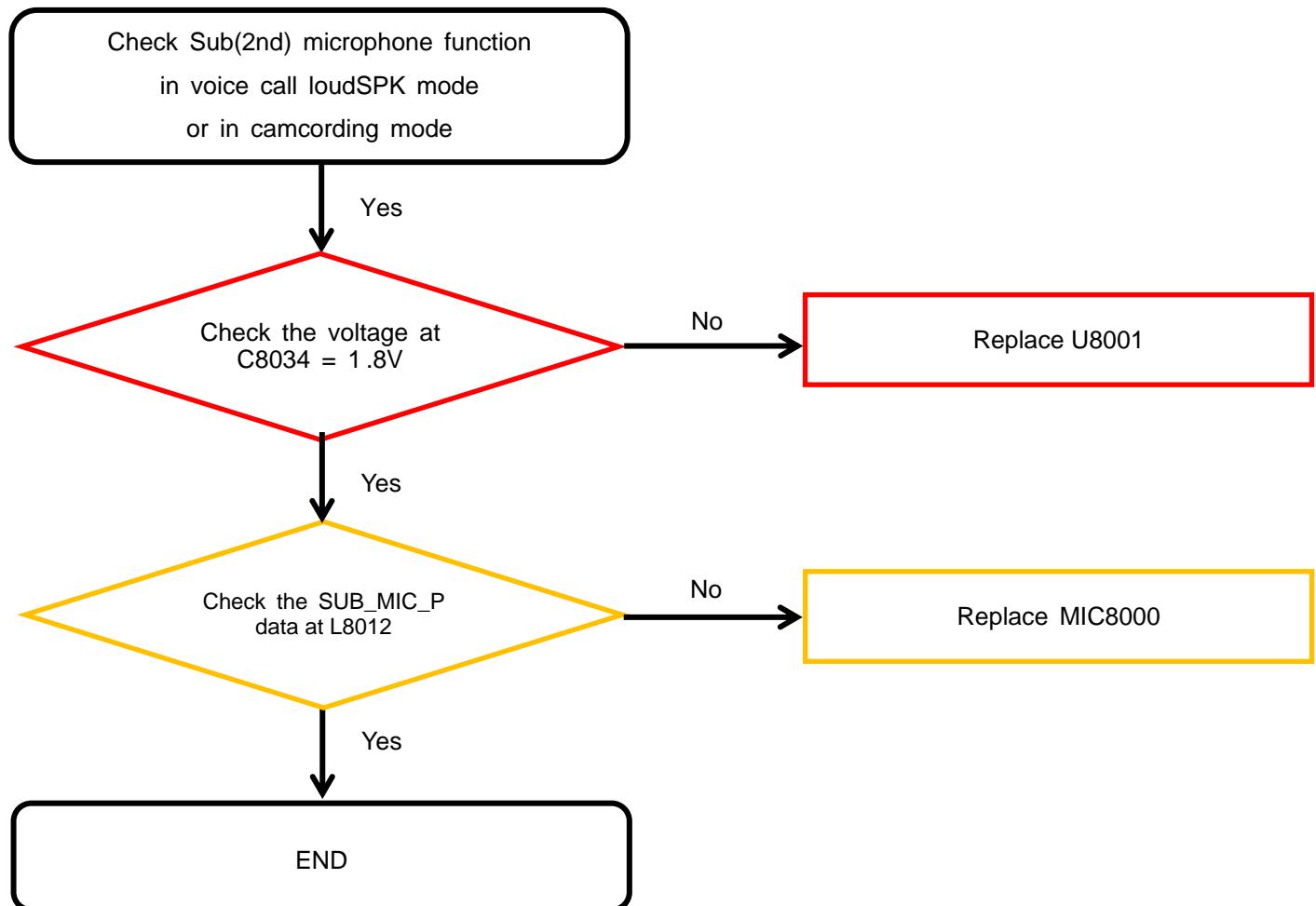
## 8. Level 3 Repair

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



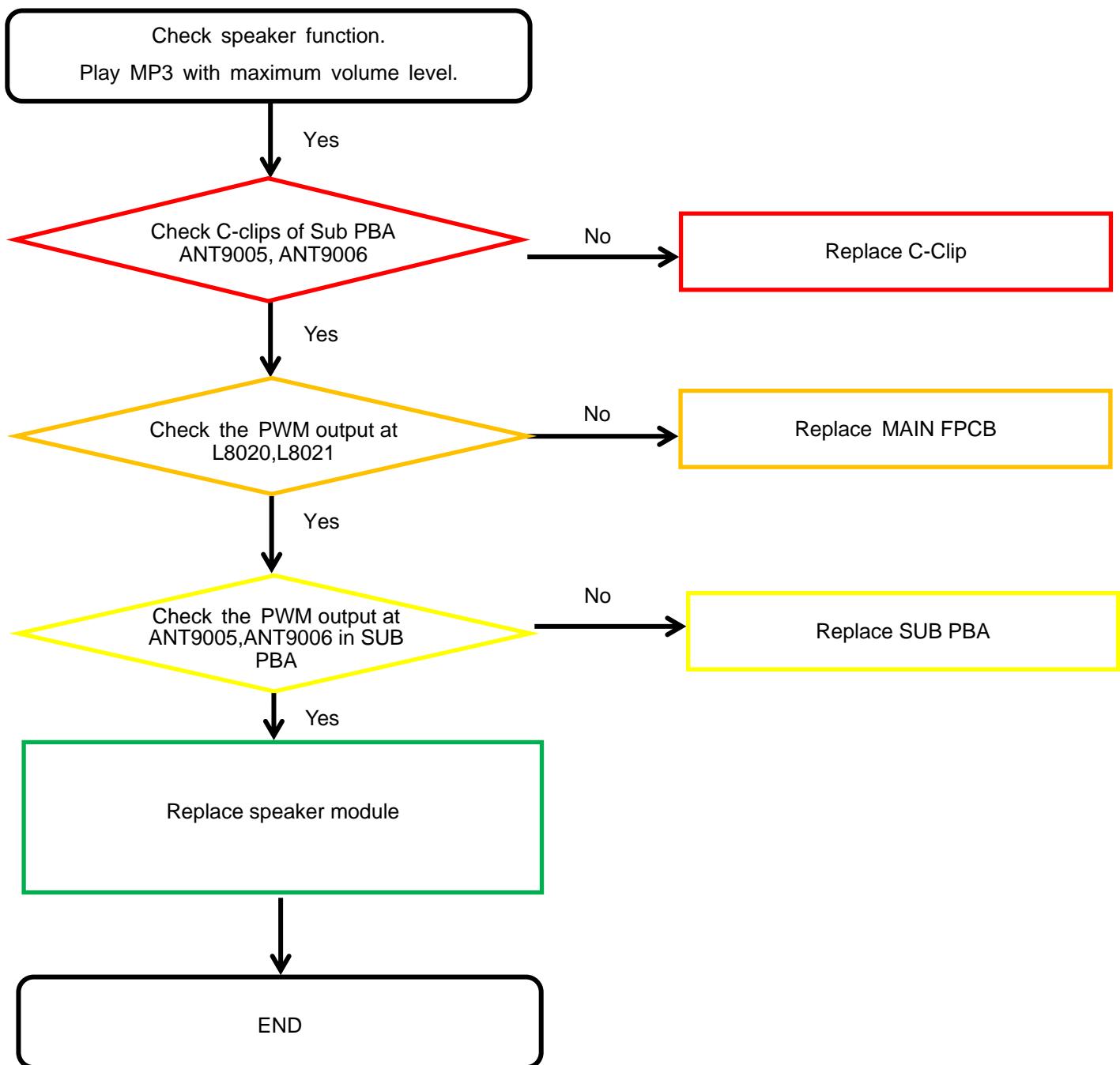
## 8. Level 3 Repair

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



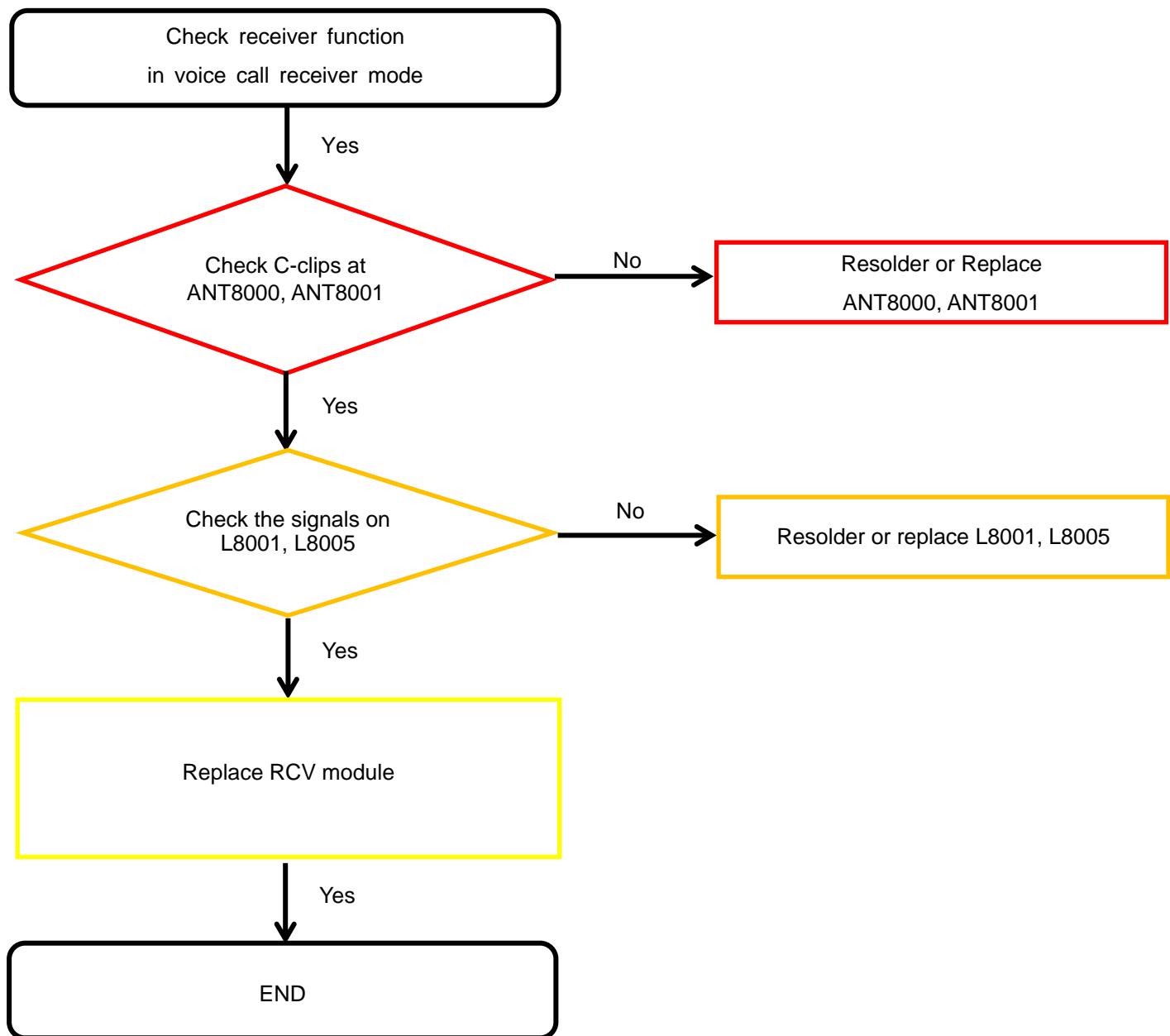
## 8. Level 3 Repair

### 8-4-10. Speaker Part



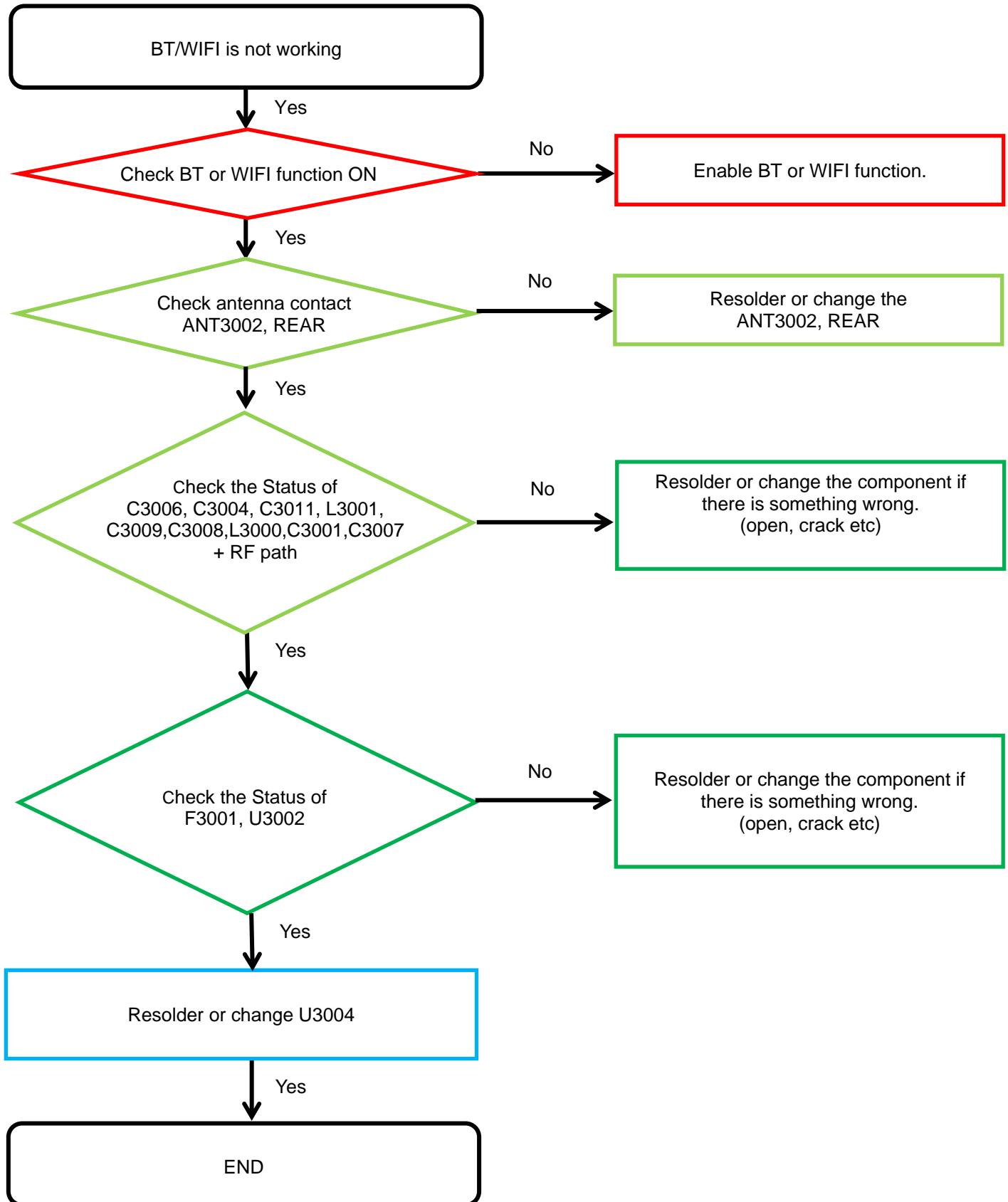
## 8. Level 3 Repair

### 8-4-11. Receiver Part



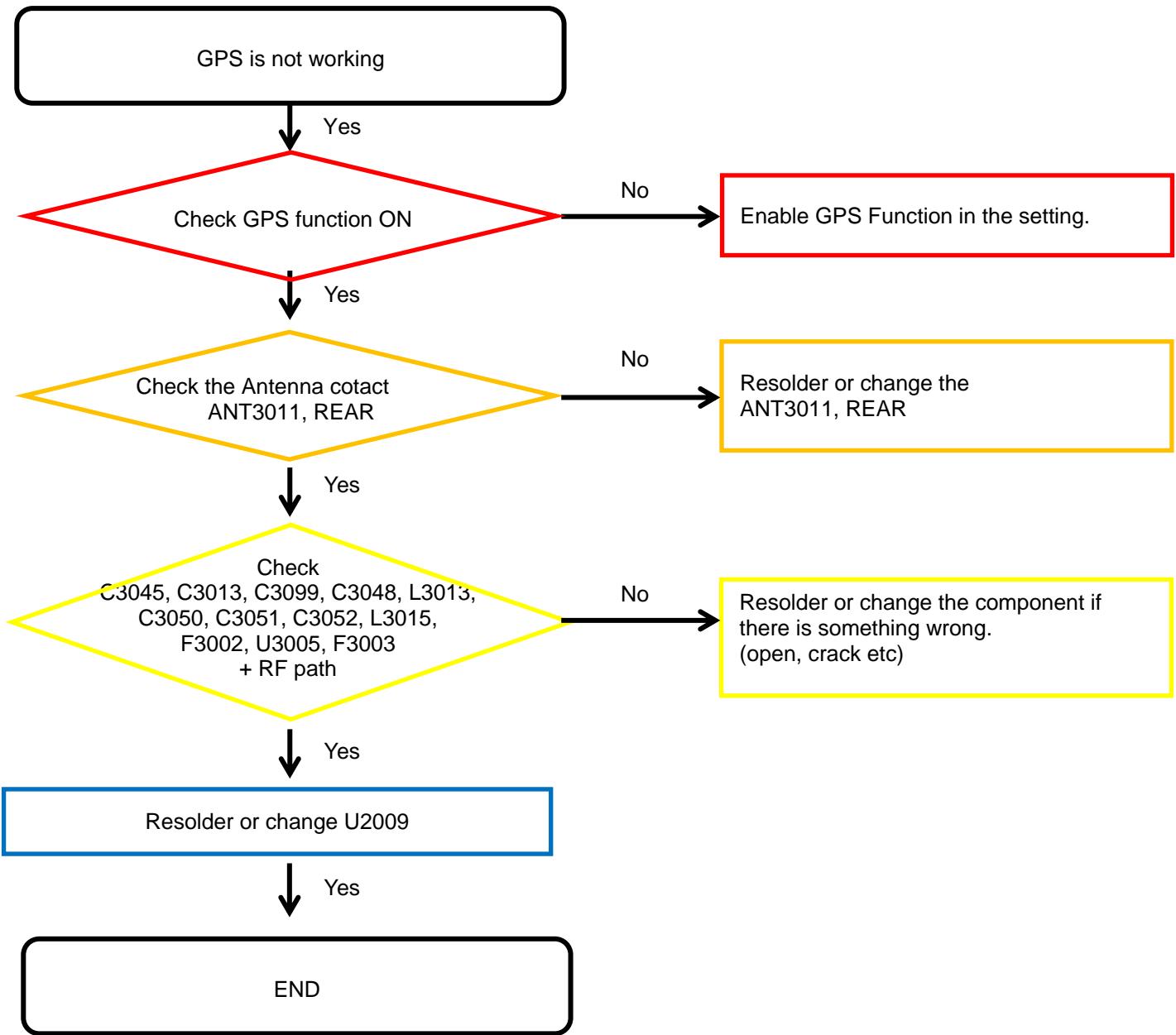
## 8. Level 3 Repair

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



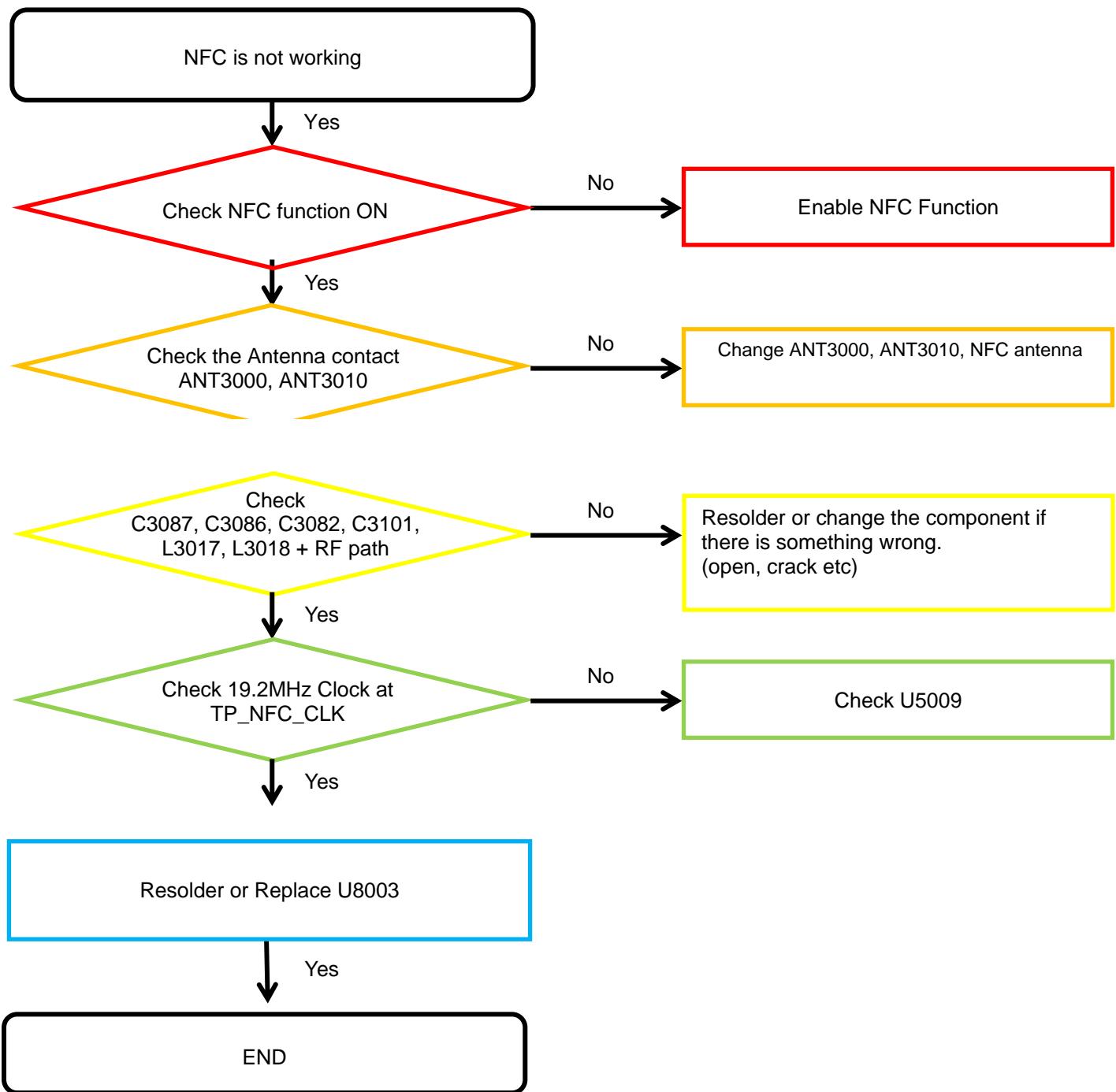
## 8. Level 3 Repair

### 8-4-13. GPS



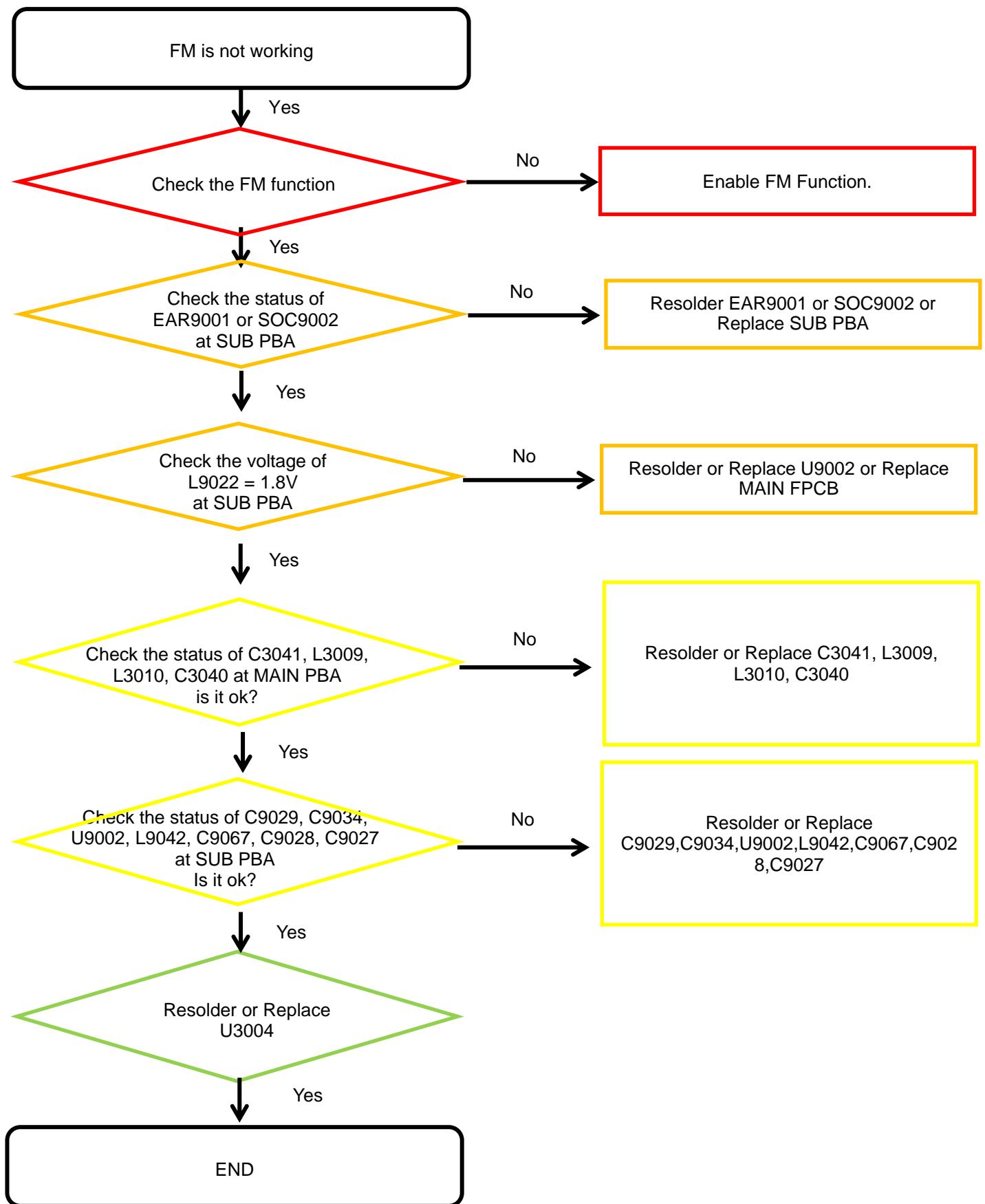
## 8. Level 3 Repair

### 8-4-14. NFC



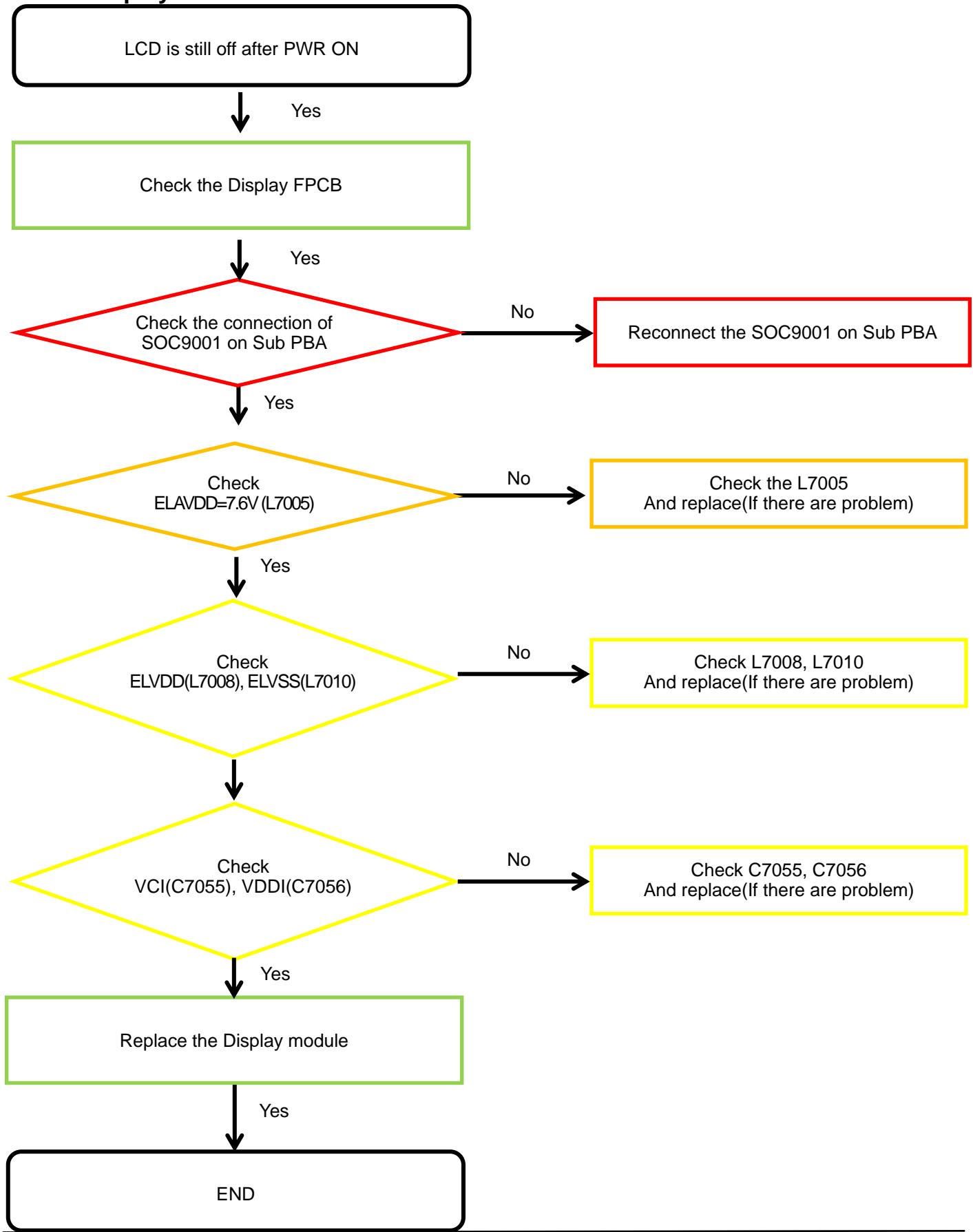
## 8. Level 3 Repair

### 8-4-15. FM radio part



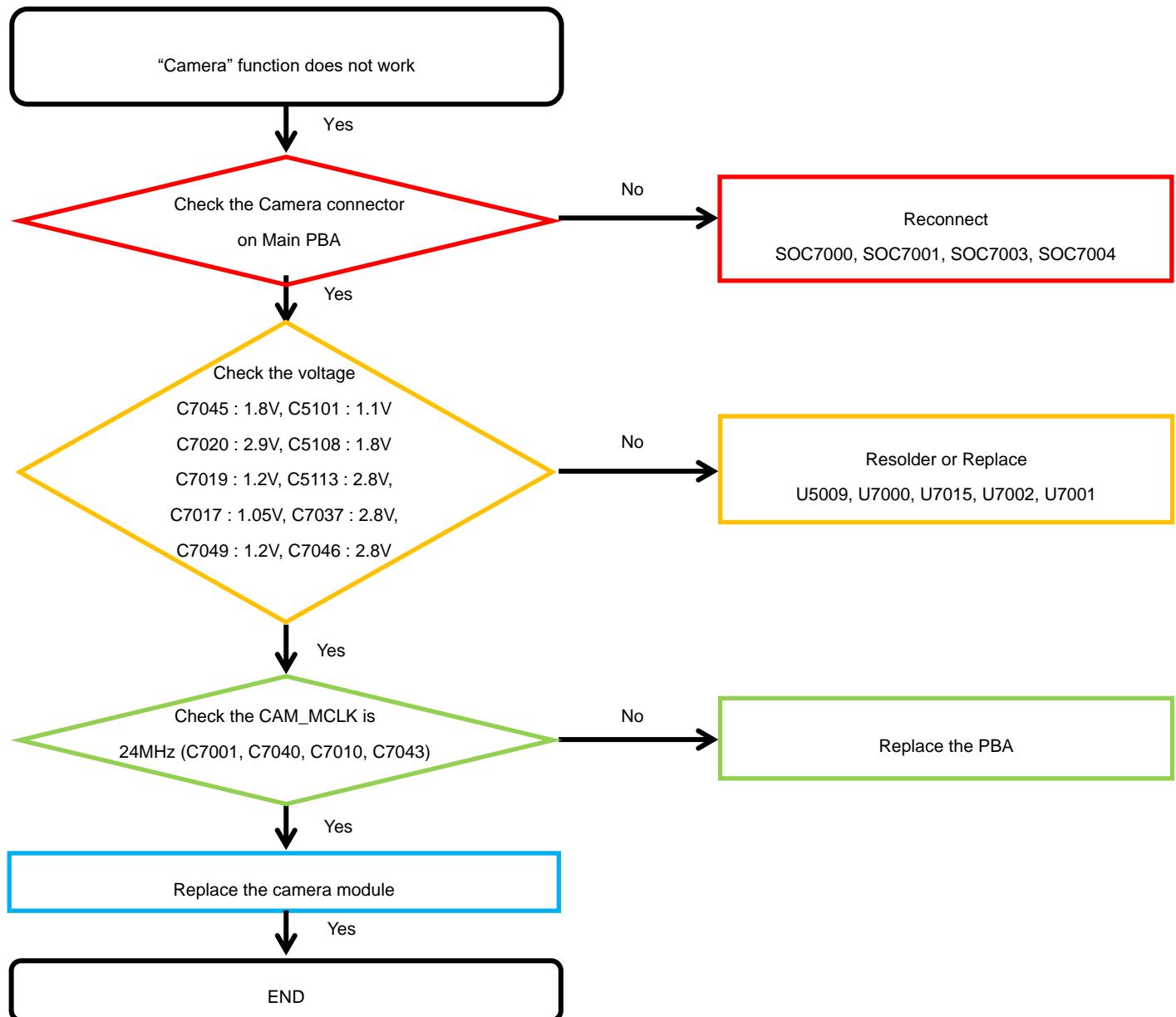
## 8. Level 3 Repair

### 8-4-16. Display



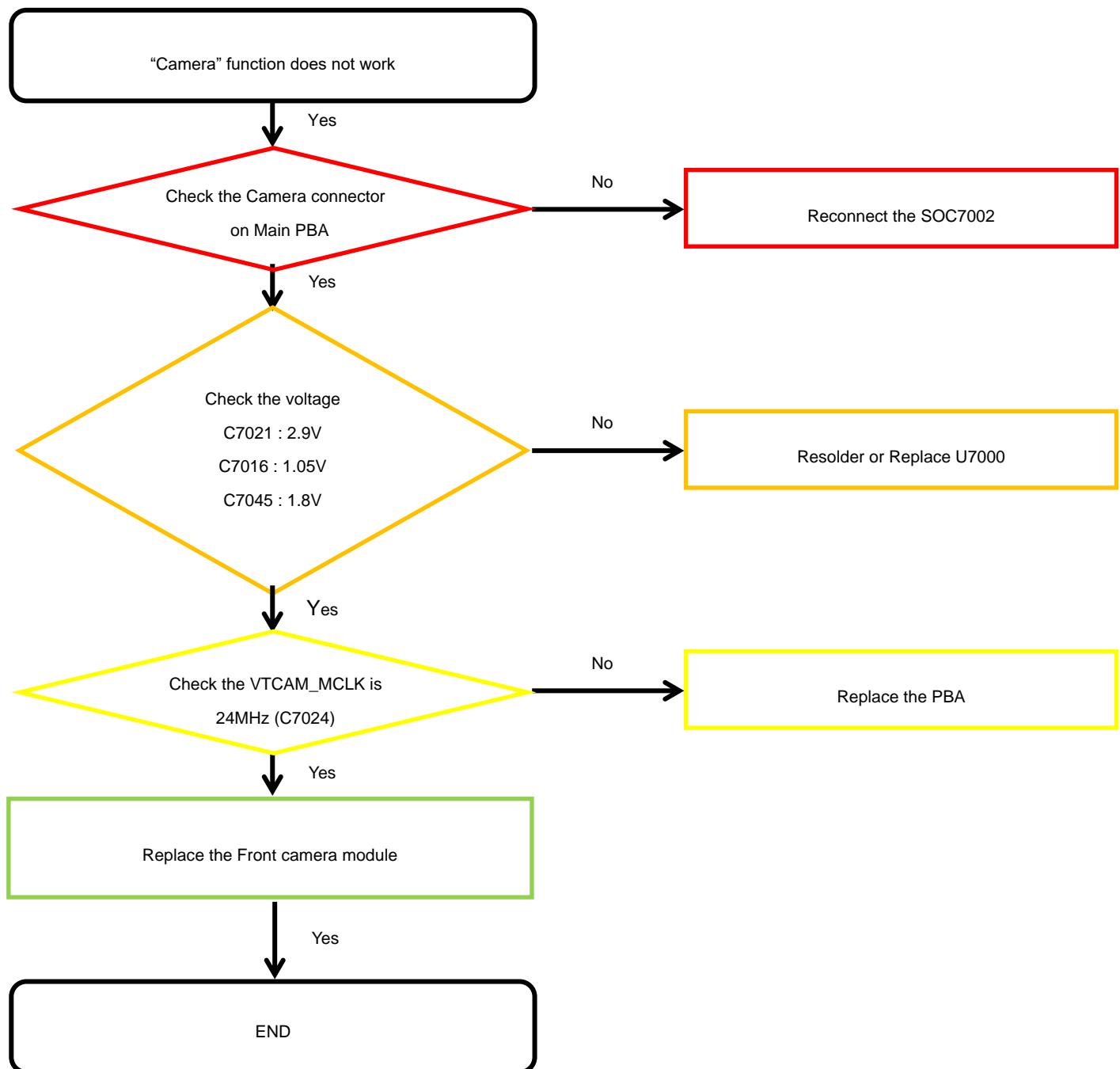
## 8. Level 3 Repair

### 8-4-17. Quad Camera



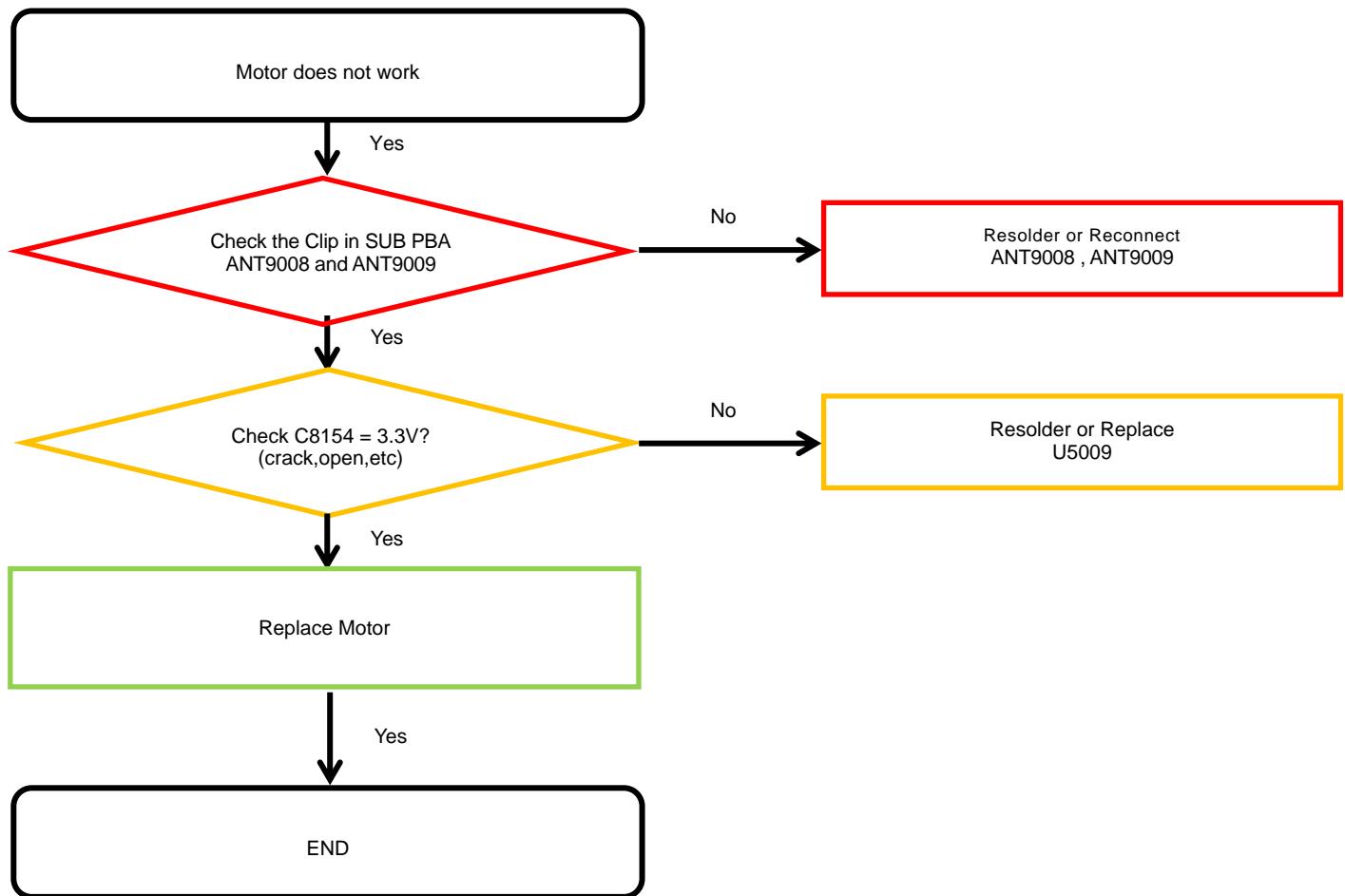
## 8. Level 3 Repair

### 8-4-18. VT CAMERA



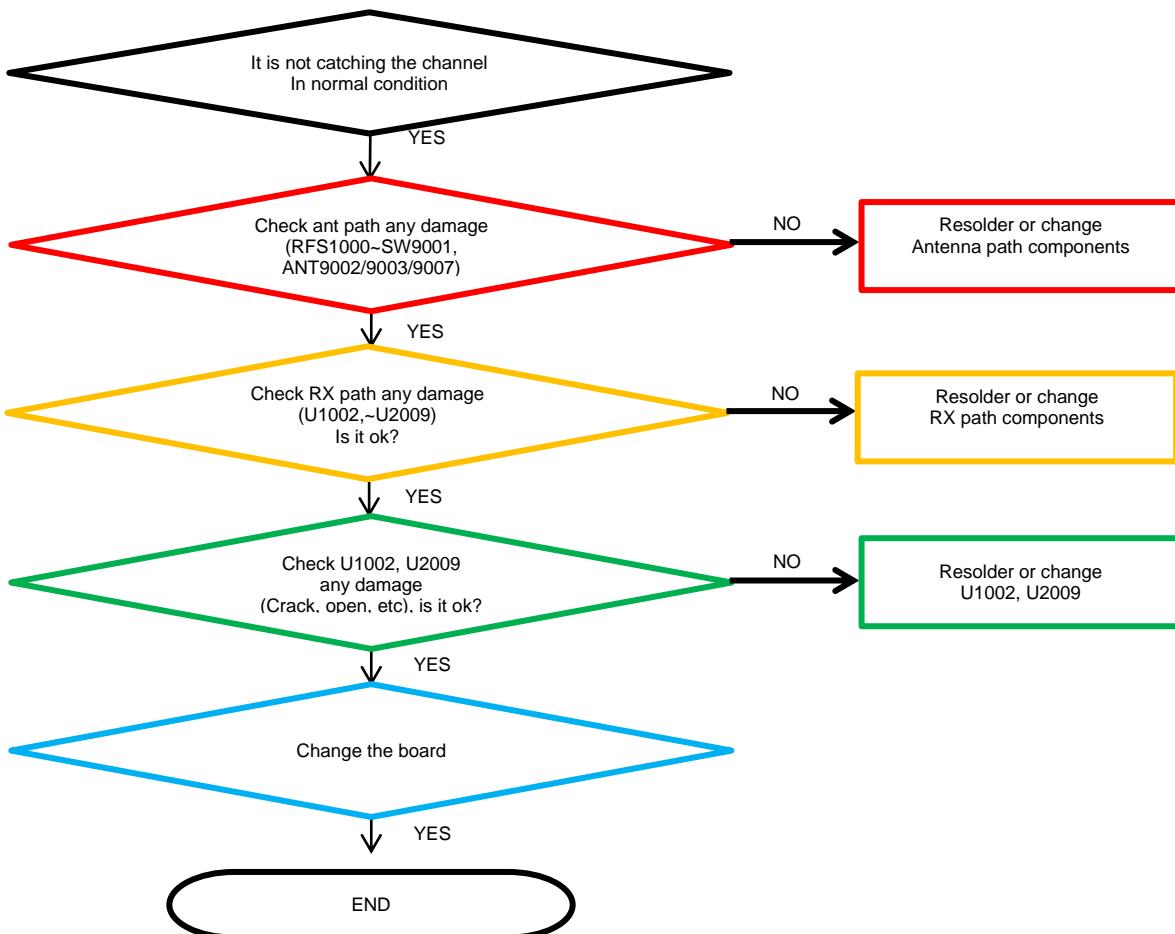
## 8. Level 3 Repair

### 8-4-19. Motor



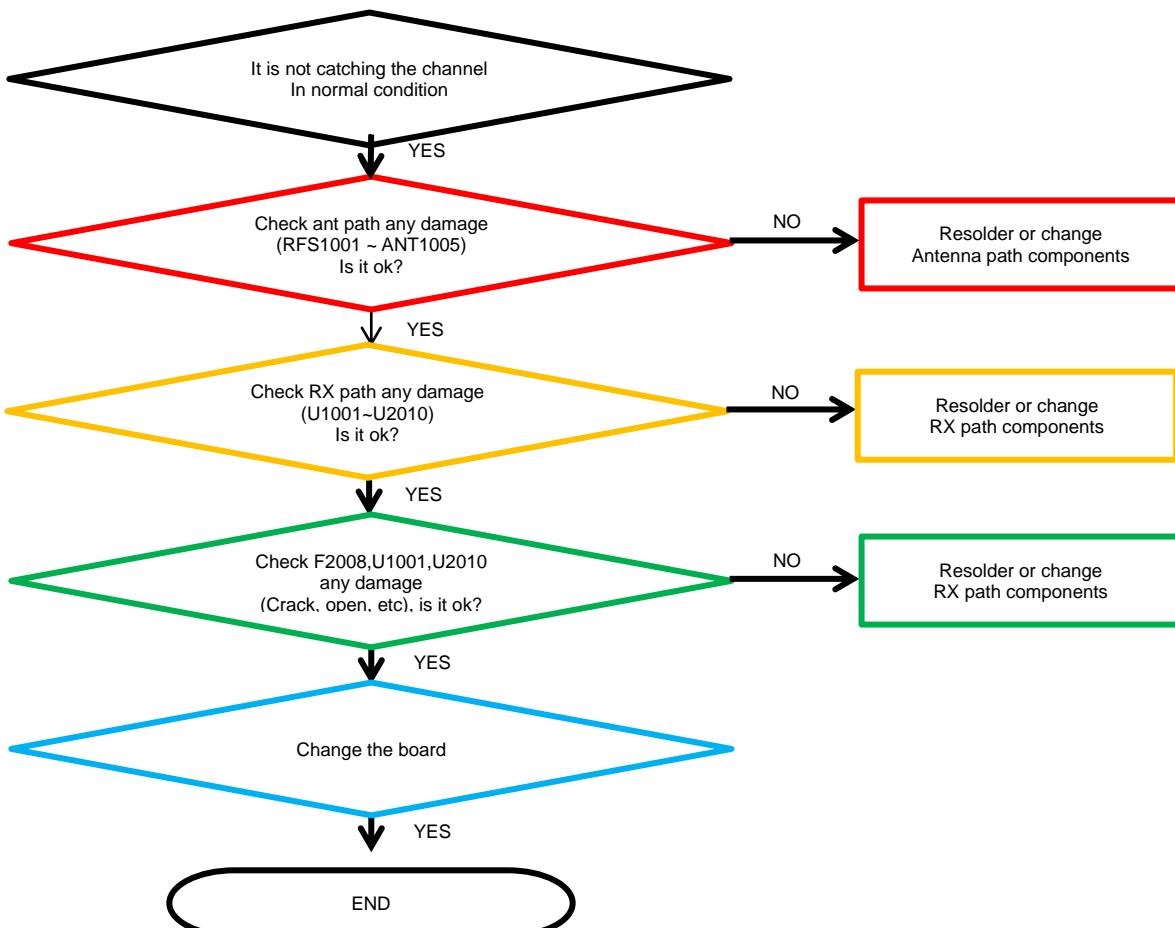
## 8. Level 3 Repair

### 8-4-20. GSM 850/900/1800/1900 WCDMA B1/2/4/5/8, LTE B1/2/3/4/5/8/12/17/20/26/28/66 PRx



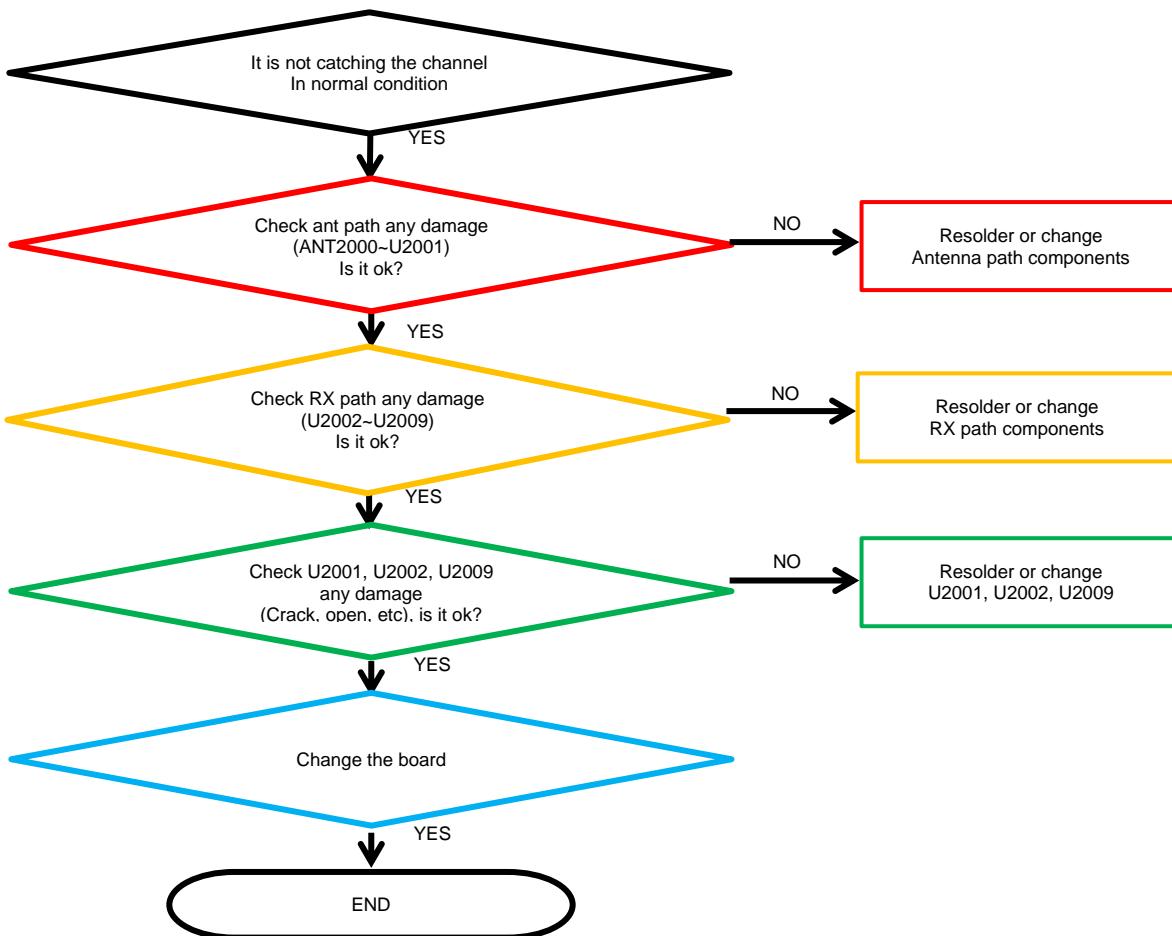
## 8. Level 3 Repair

### 8-4-21. LTE B7/ B38/B40/B41/ PRx



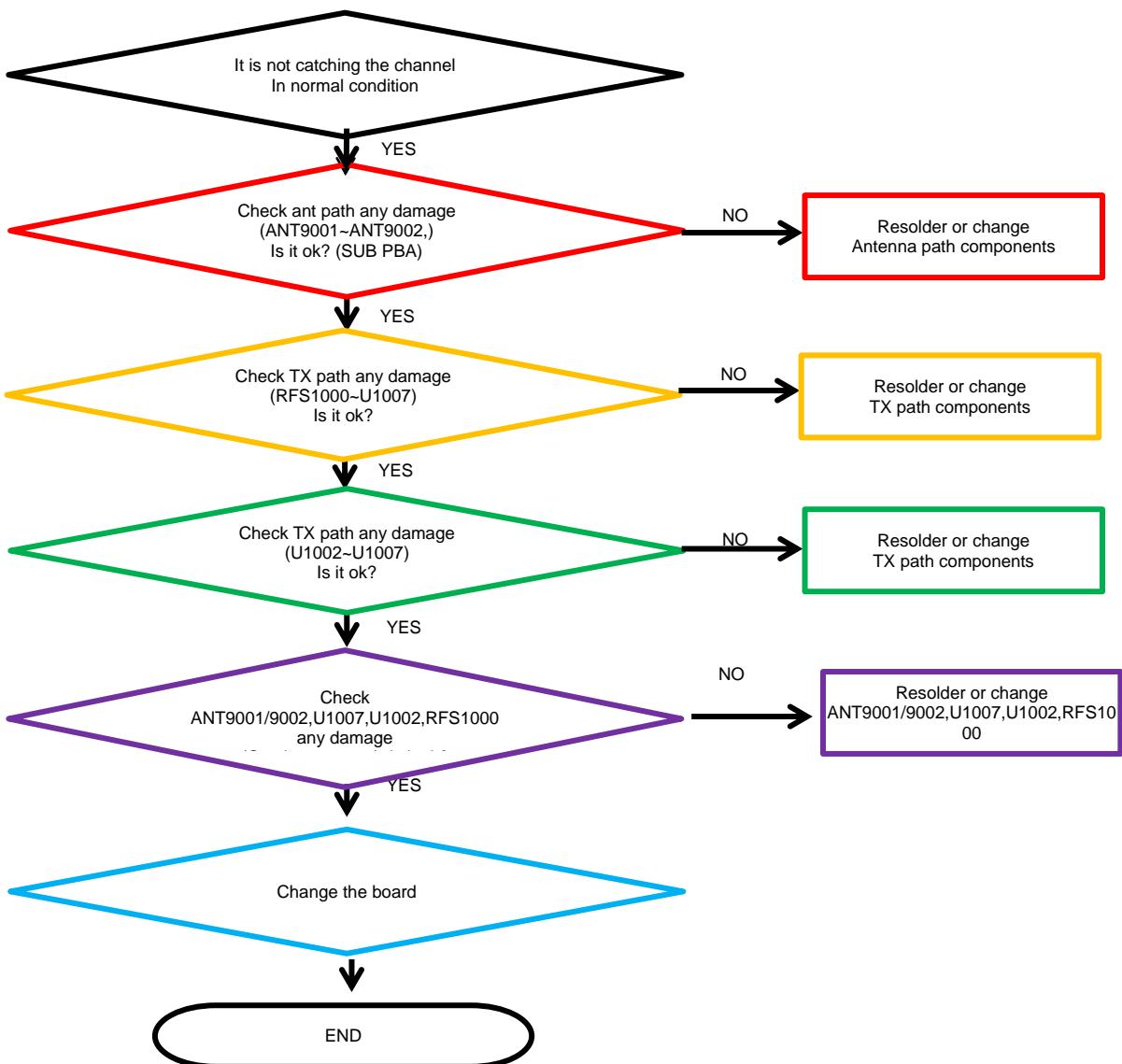
## 8. Level 3 Repair

### 8-4-22. GSM 850/900/1800/1900 WCDMA B1/2/4/5/8, LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B26/B28/B38/B40/B41/B66 DRX



## 8. Level 3 Repair

### 8-4-23. GSM 850/900/1800/1900, WCDMA B1/2/4/5/8, LTE B1/B2/B3/B4/B5/B8/B12/B17/B20/B26/B28/B66 Tx



## 8. Level 3 Repair

### 8-4-24. LTE B7/38/40/41Tx

