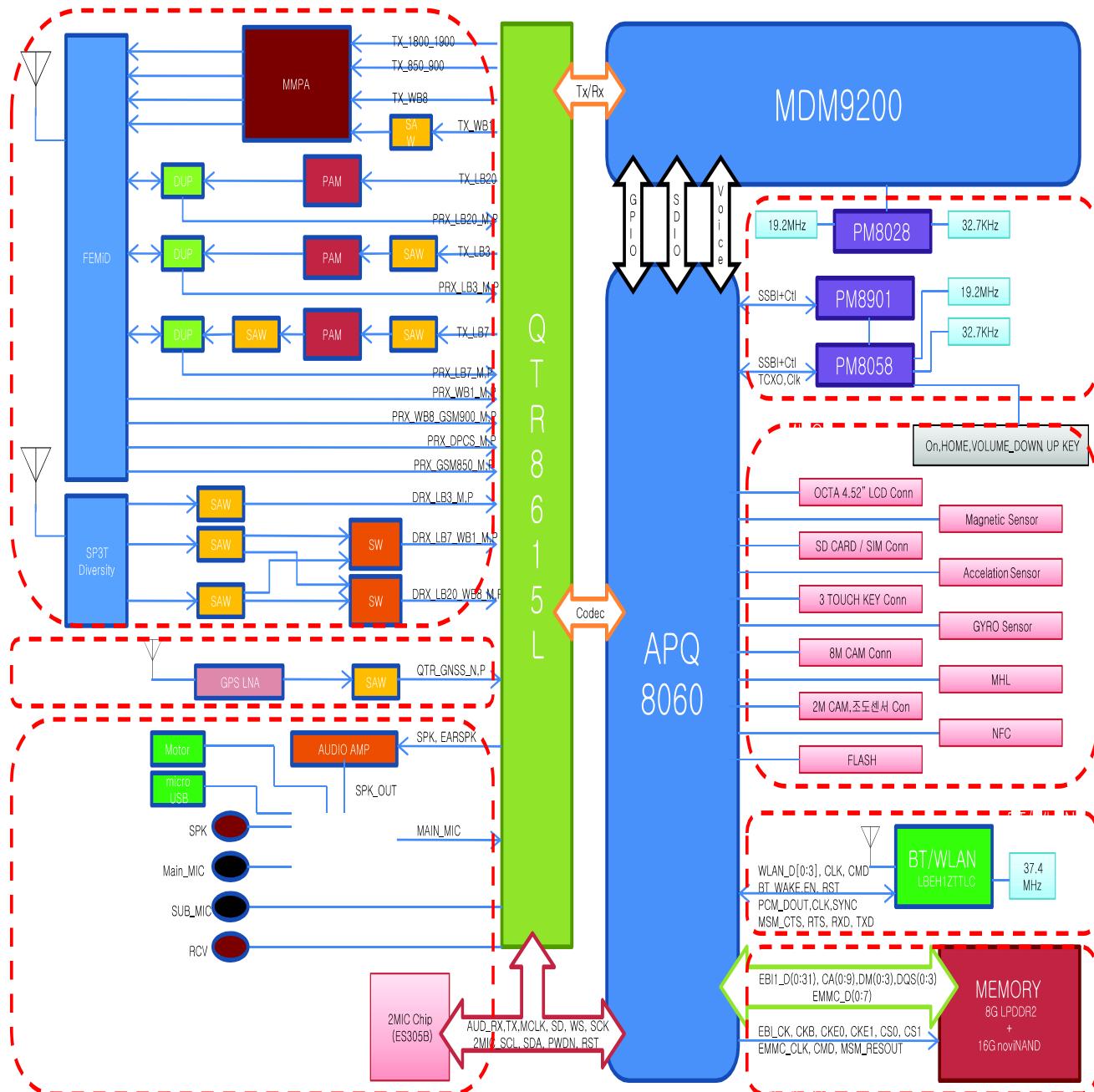


8. Level 3 Repair

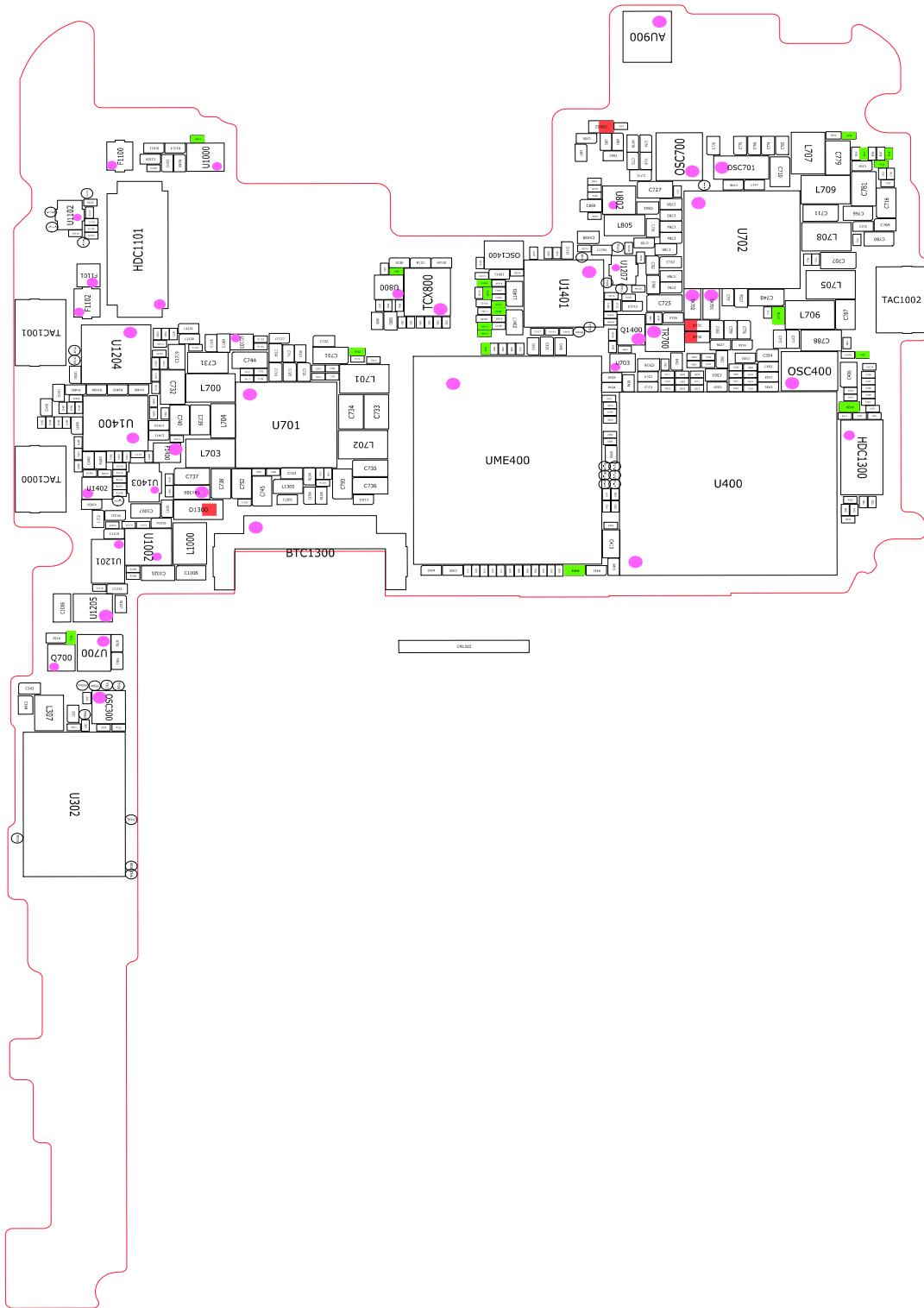
8-1. Block Diagram

Celox Block Diagram

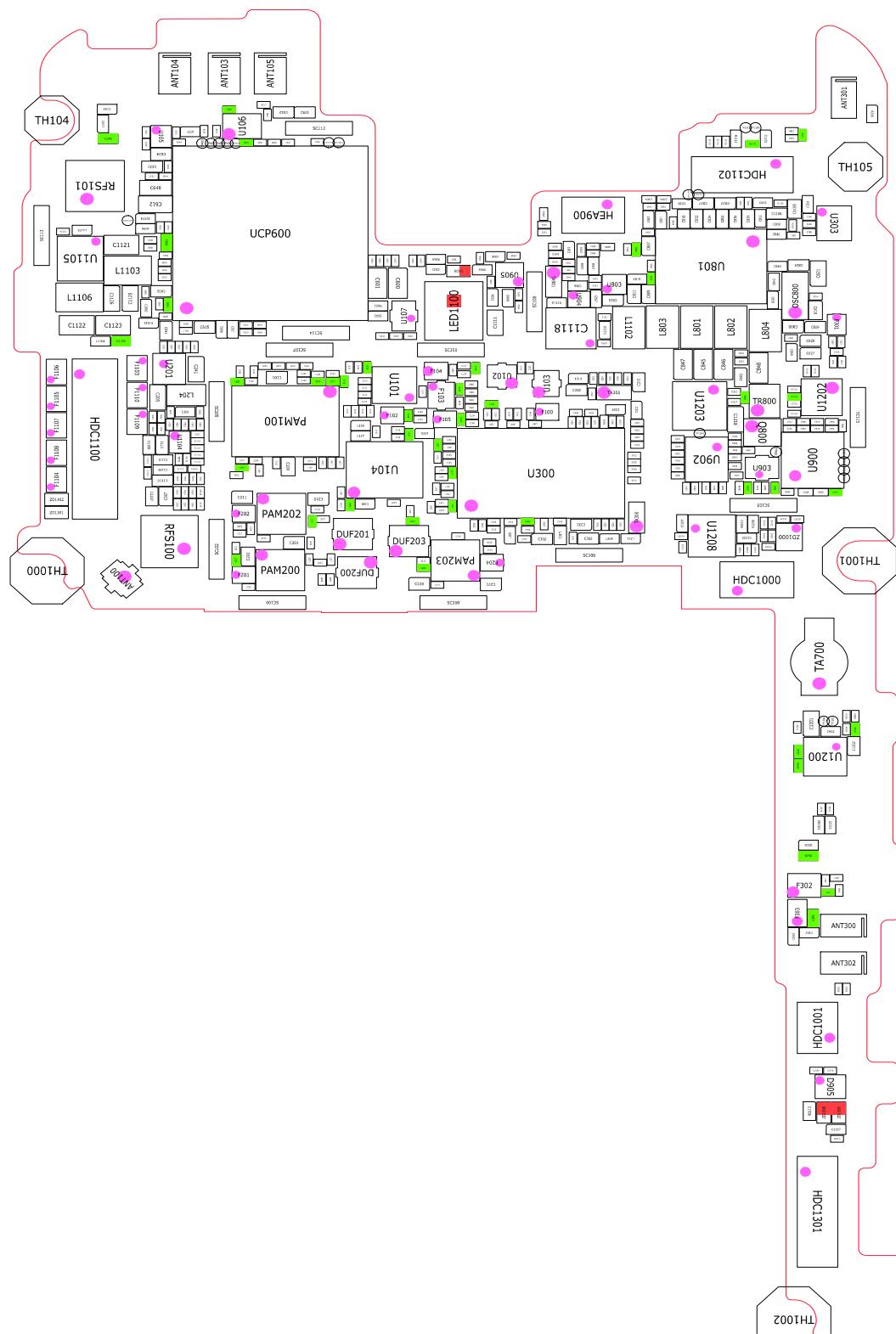


8-2. PCB Diagrams

8-2-1. Top

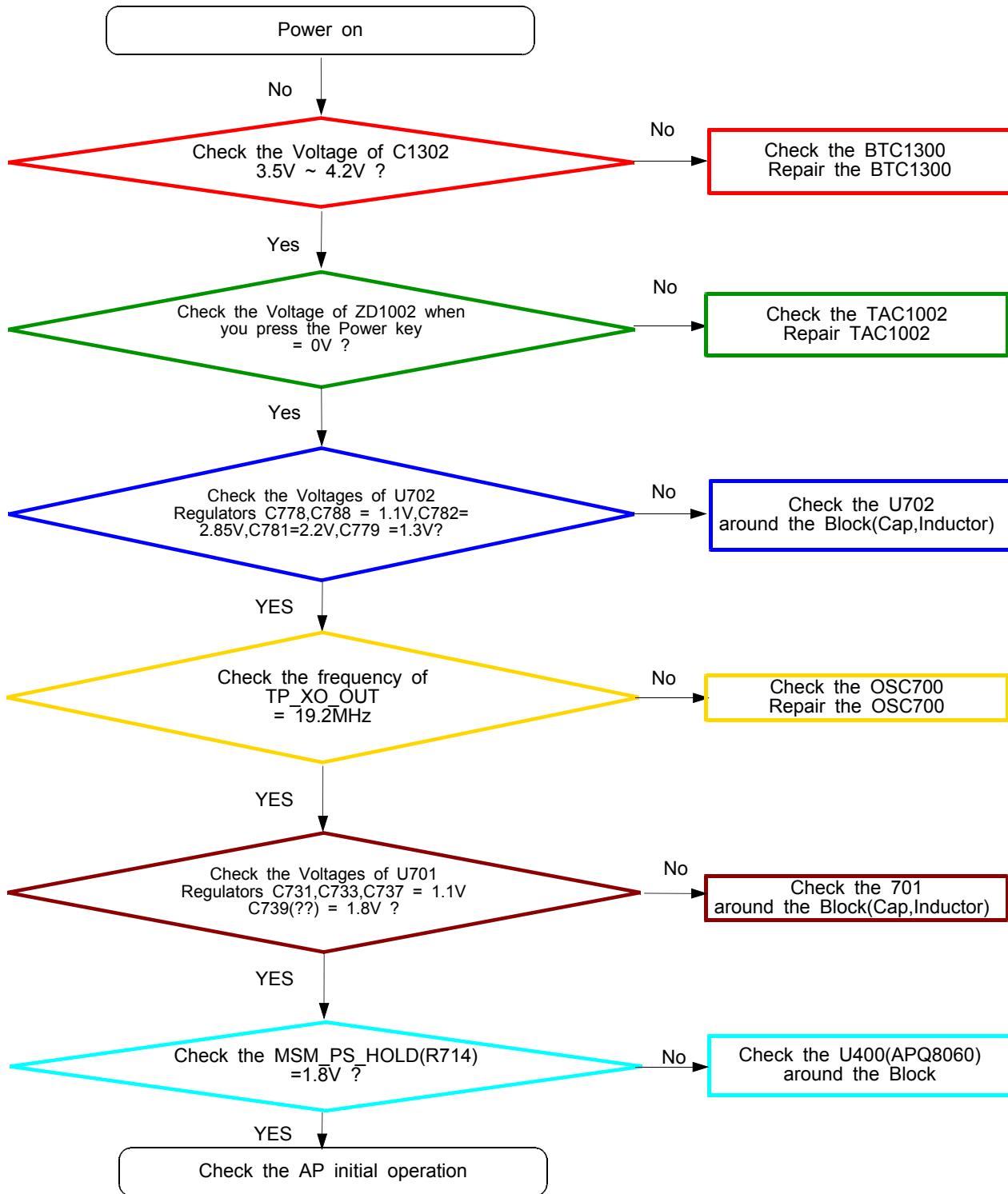


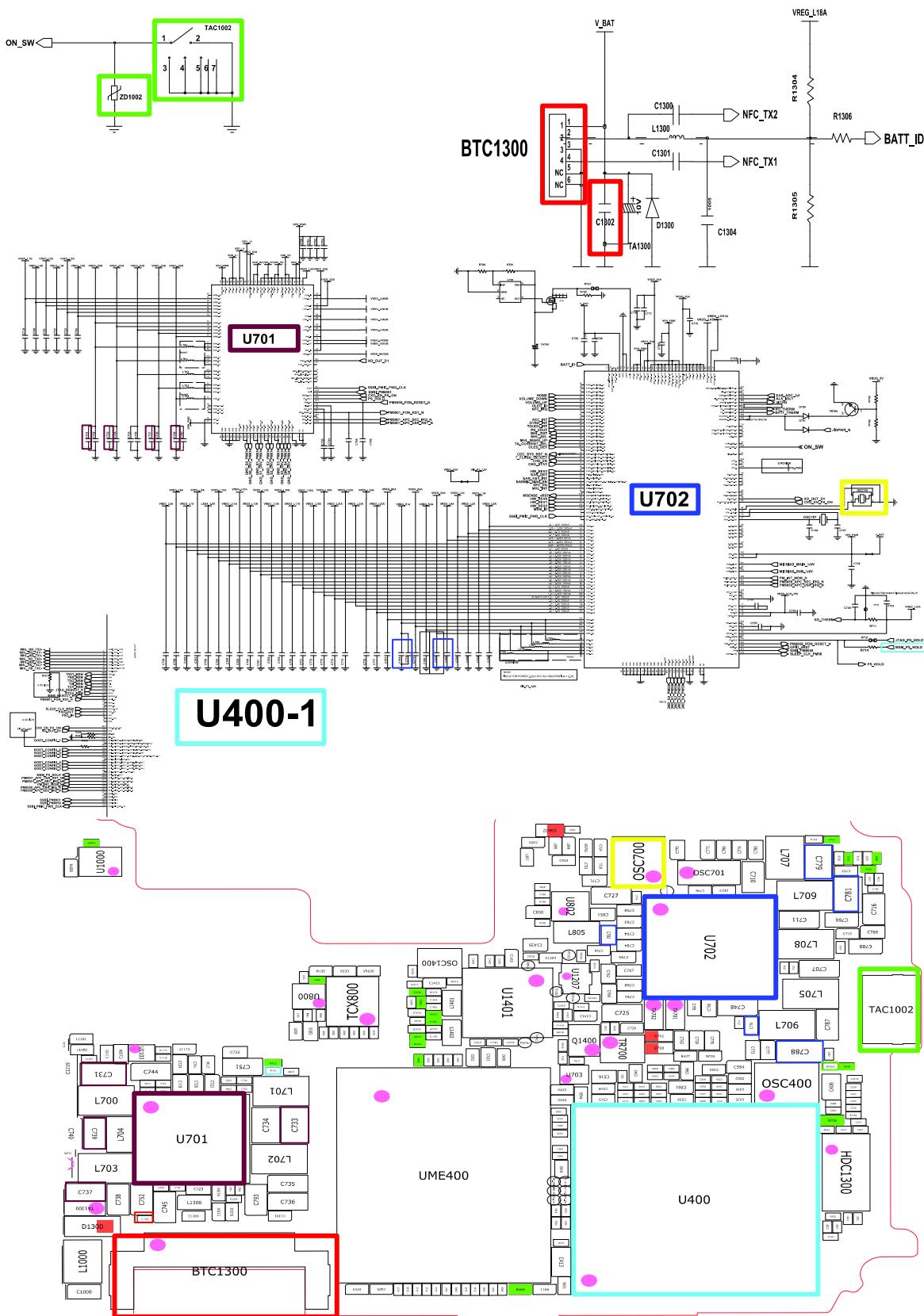
8-2-1. Bottom



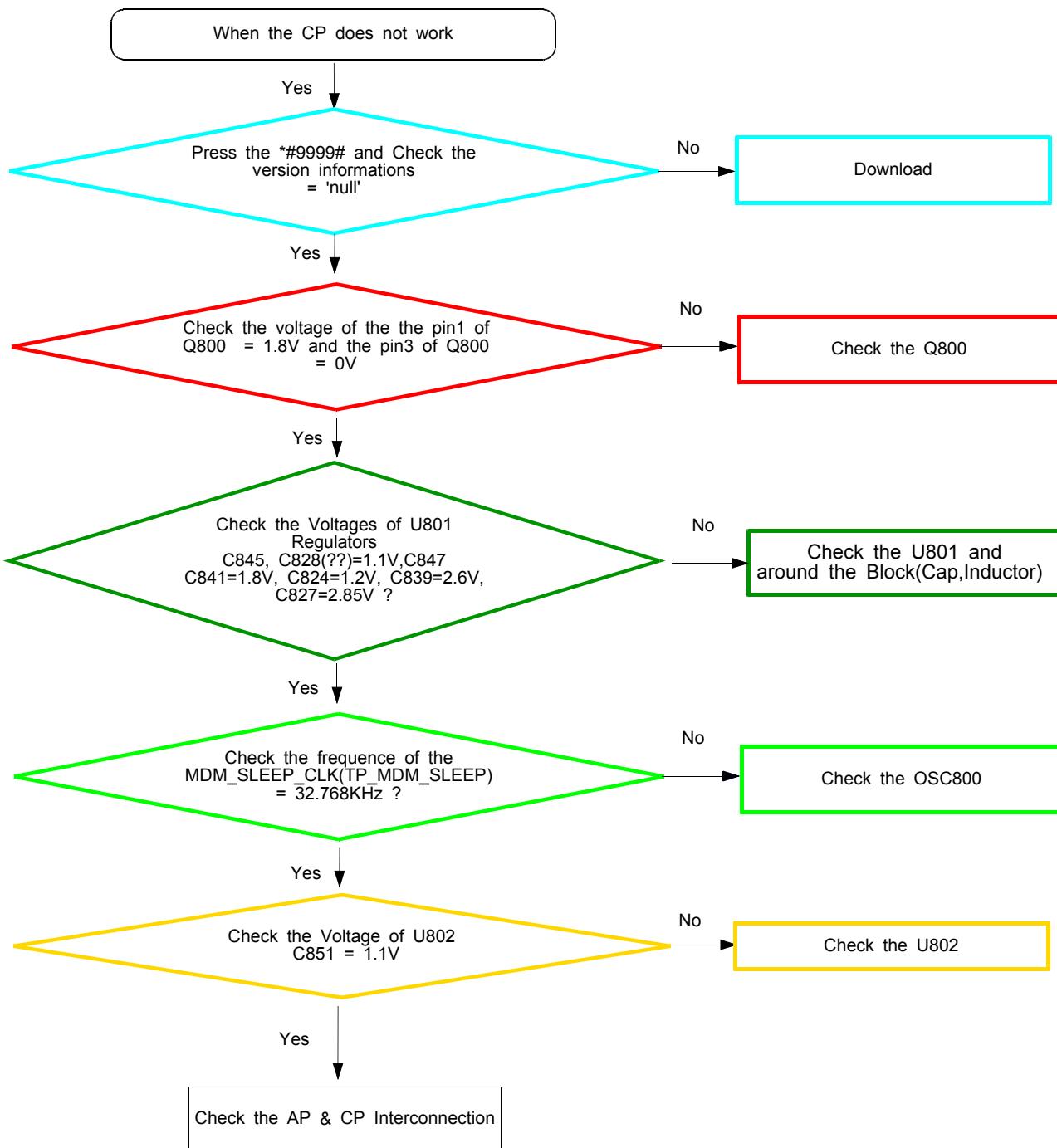
8-3. LOGIC

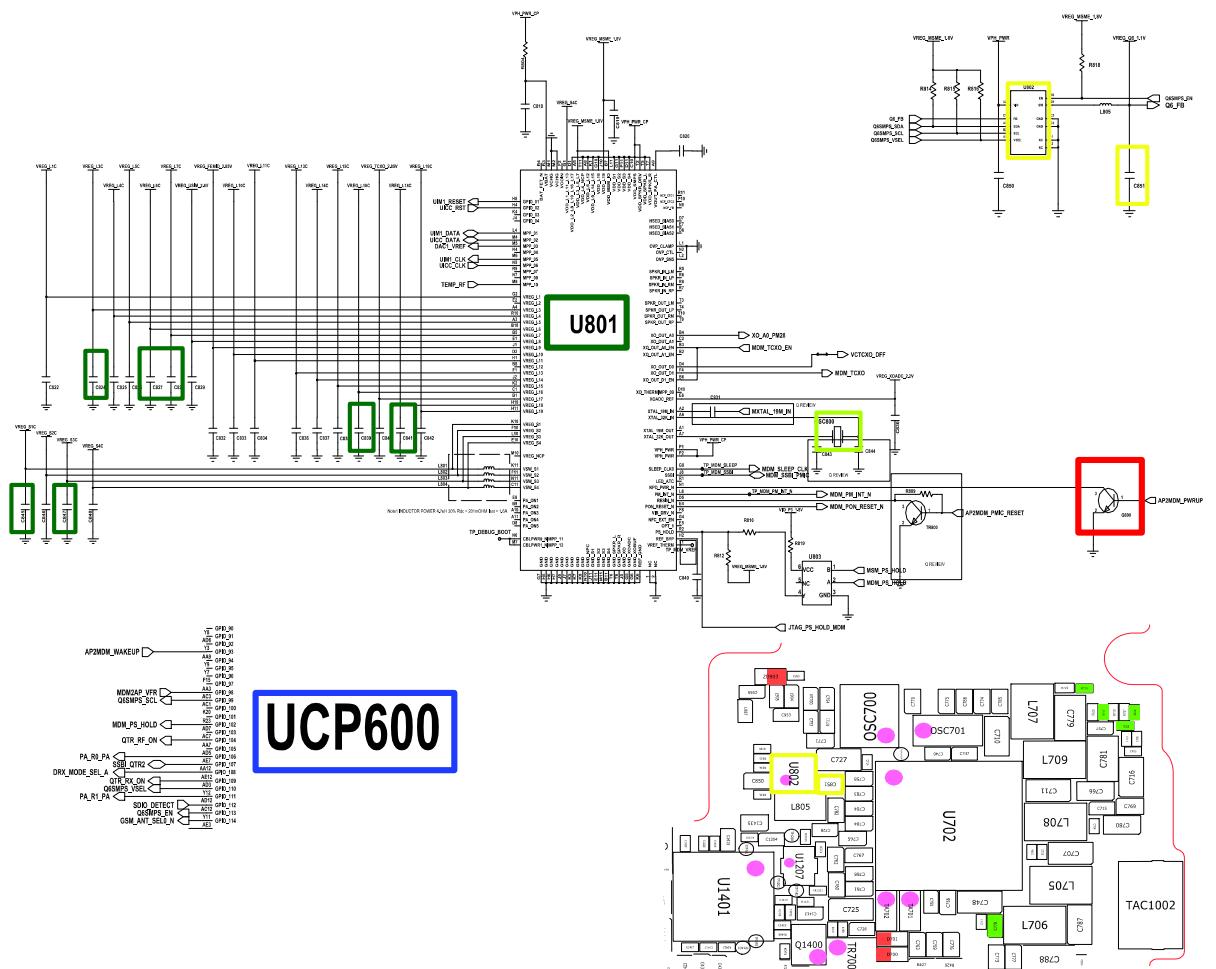
8-3-1. AP Power On



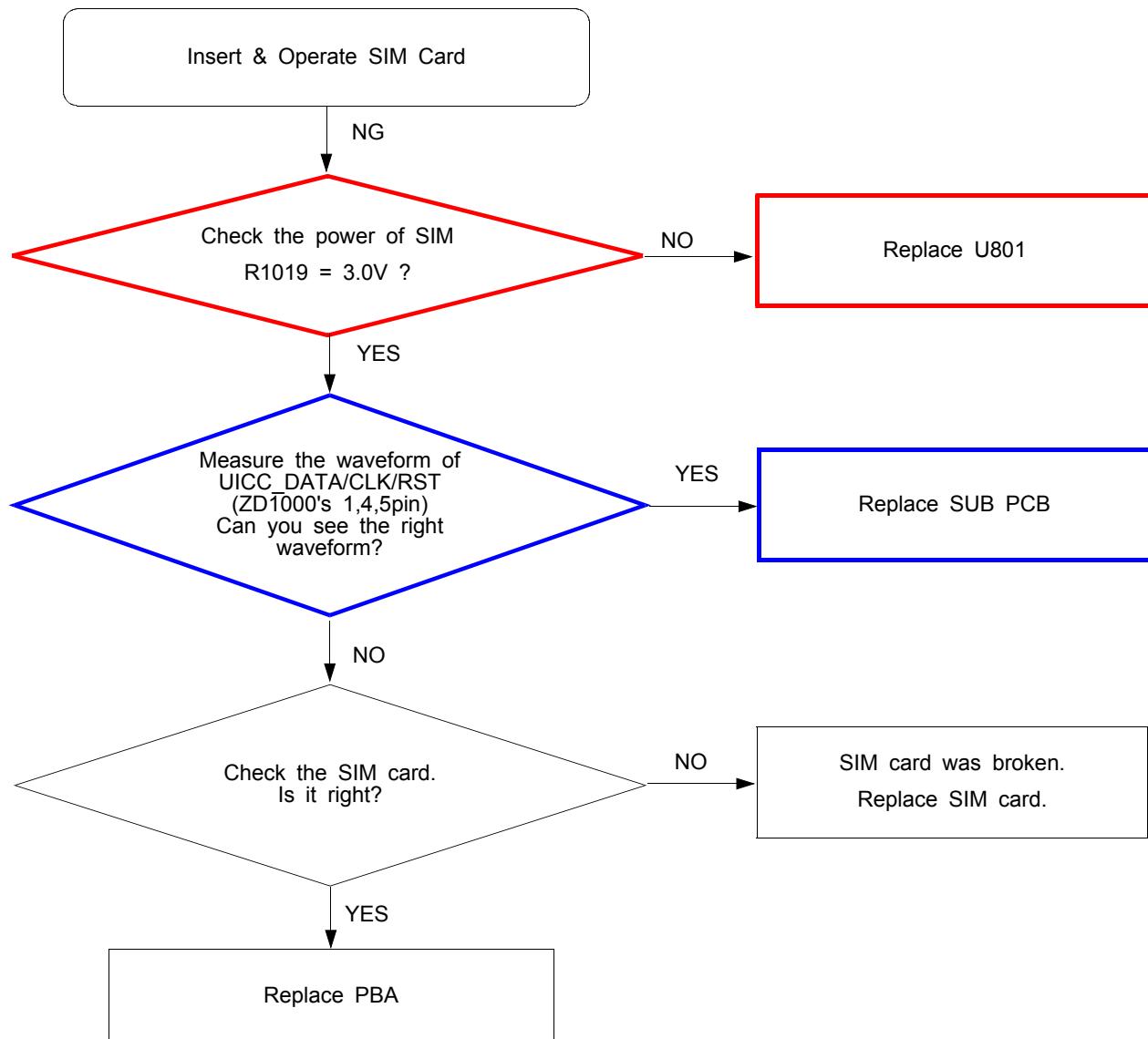


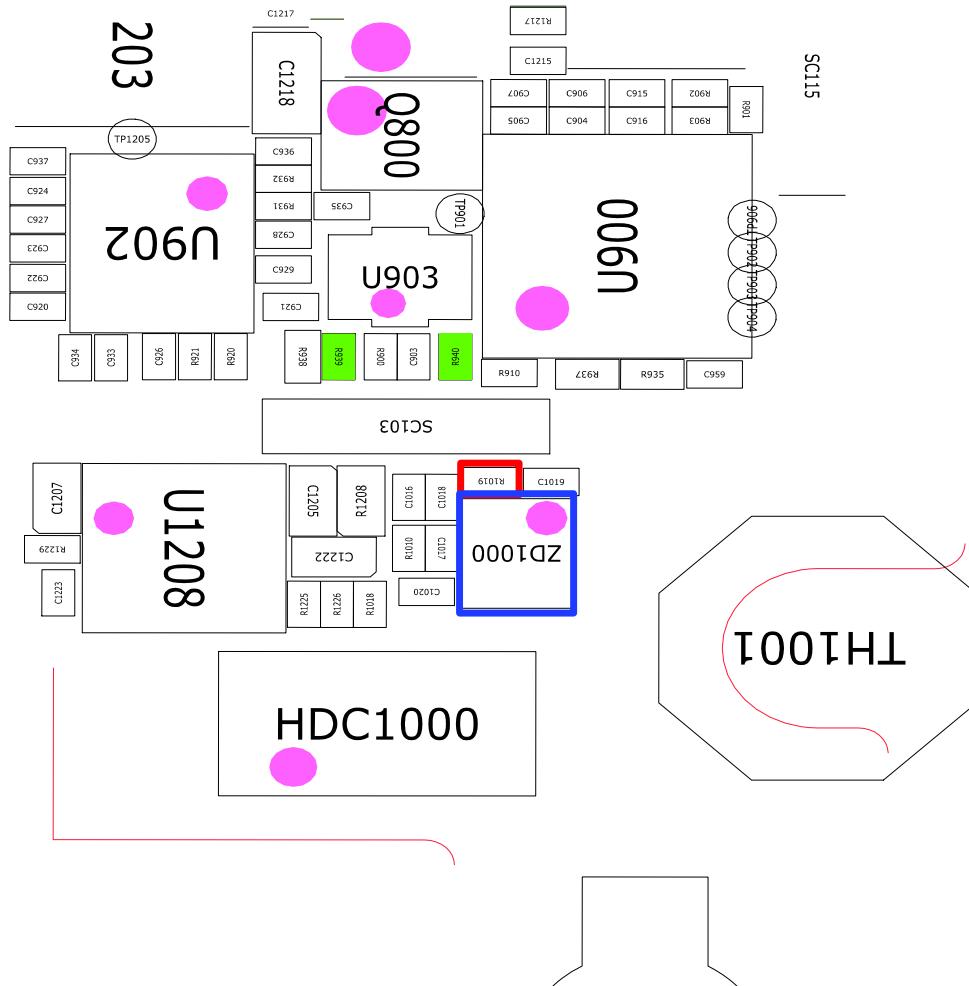
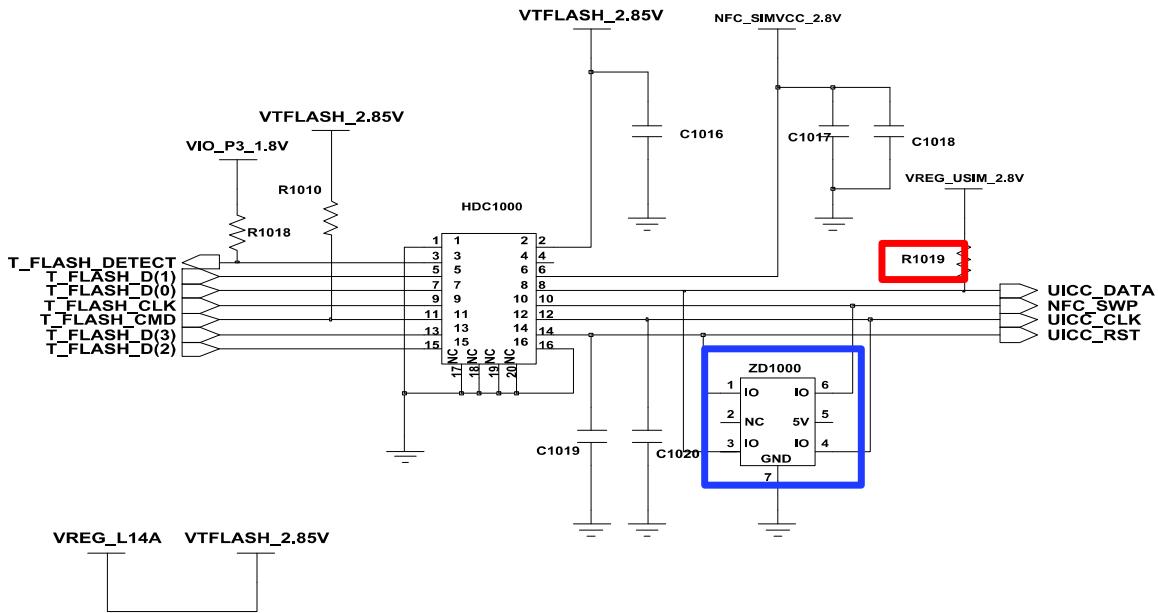
8-3-2. CP Power On



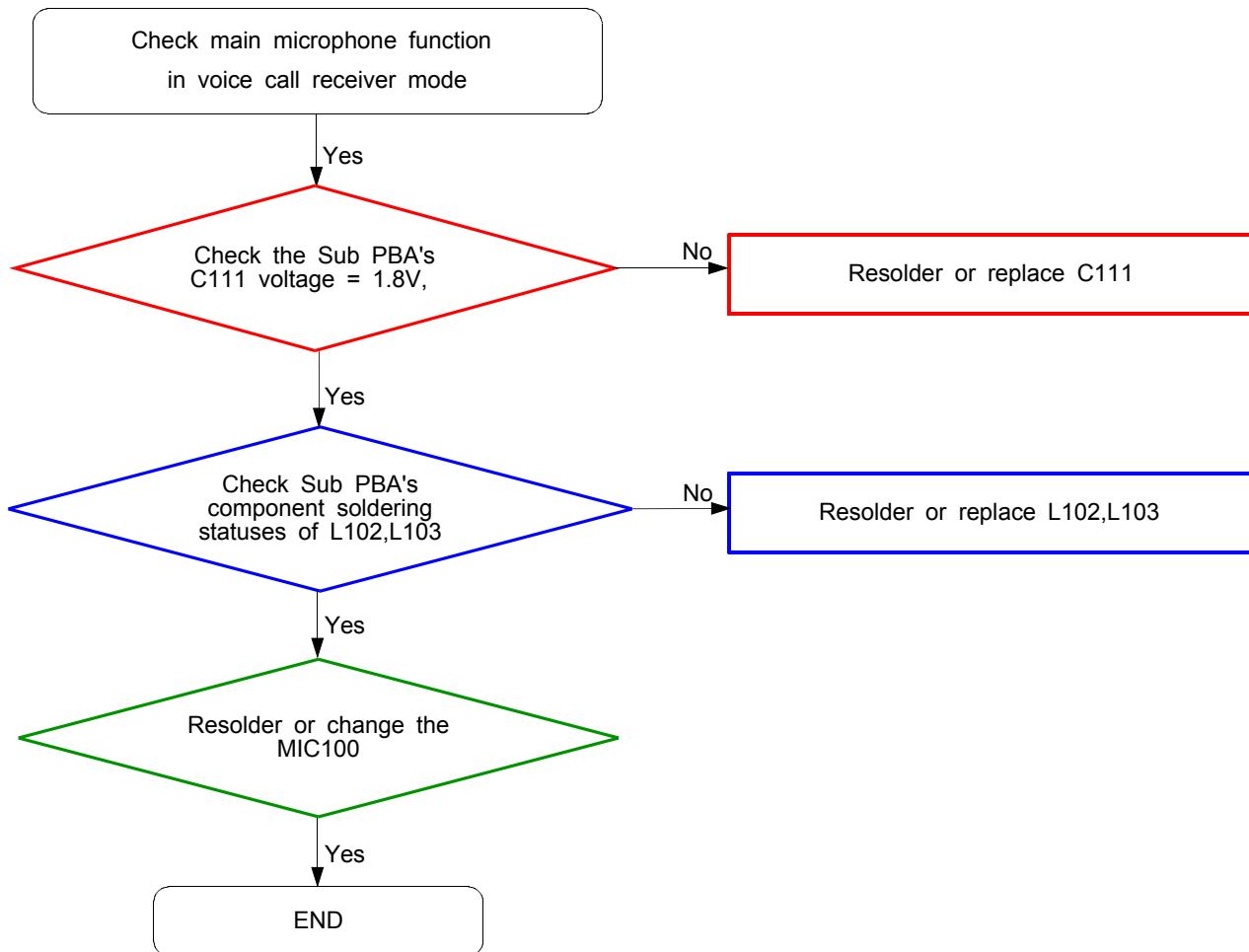


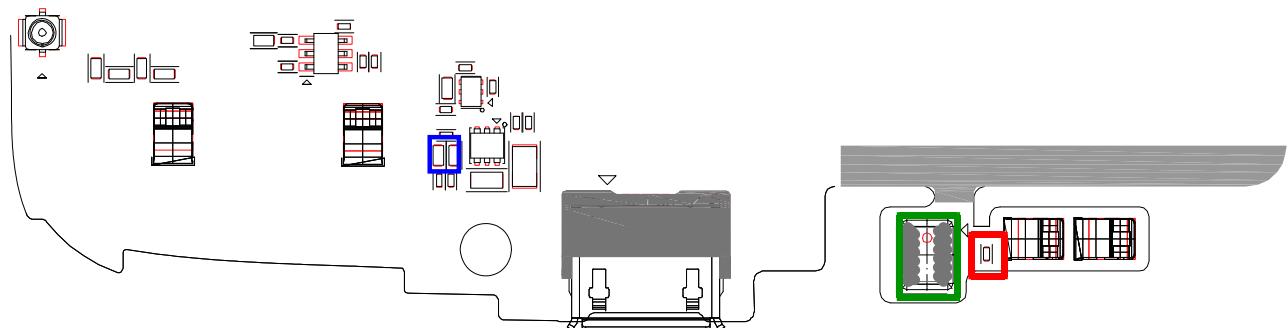
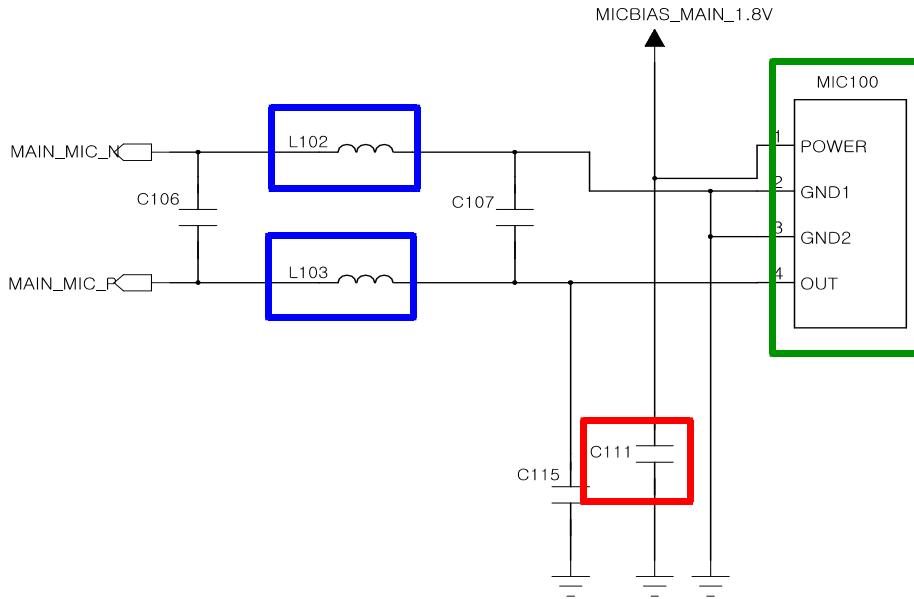
8-3-3.USIM Part



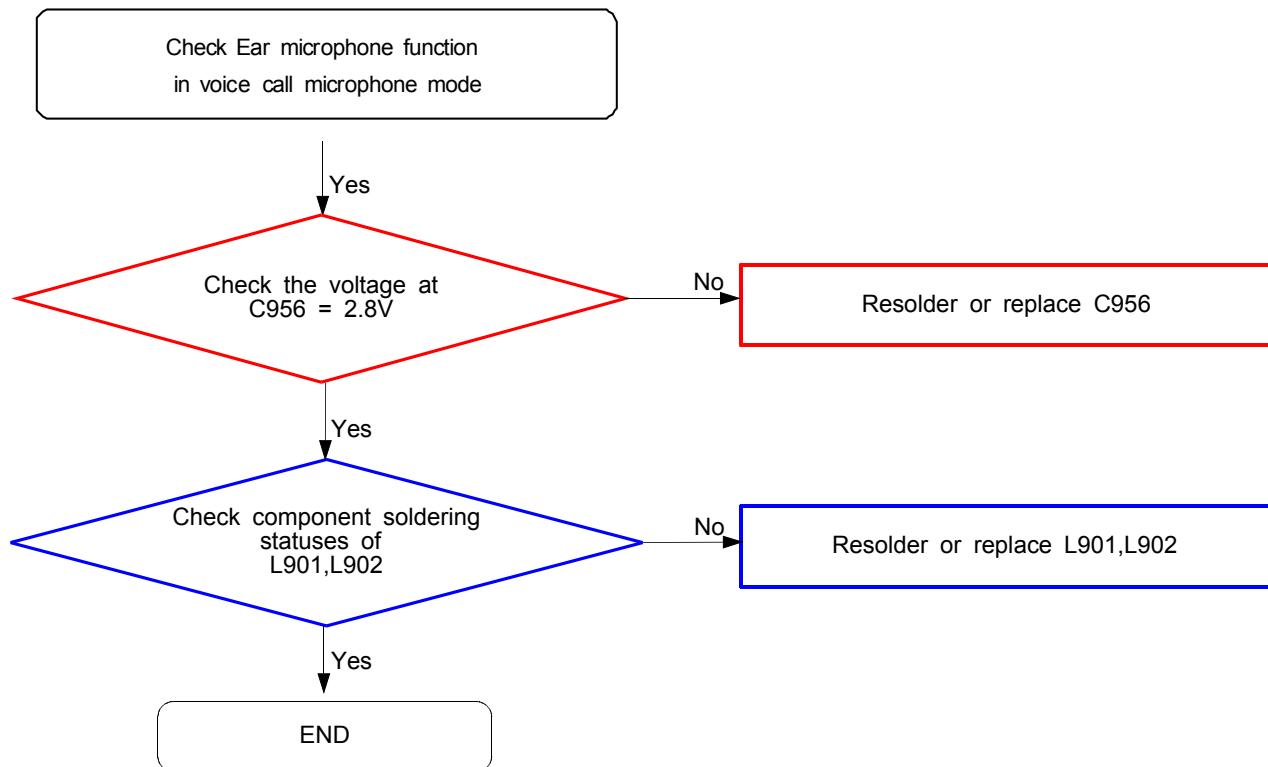


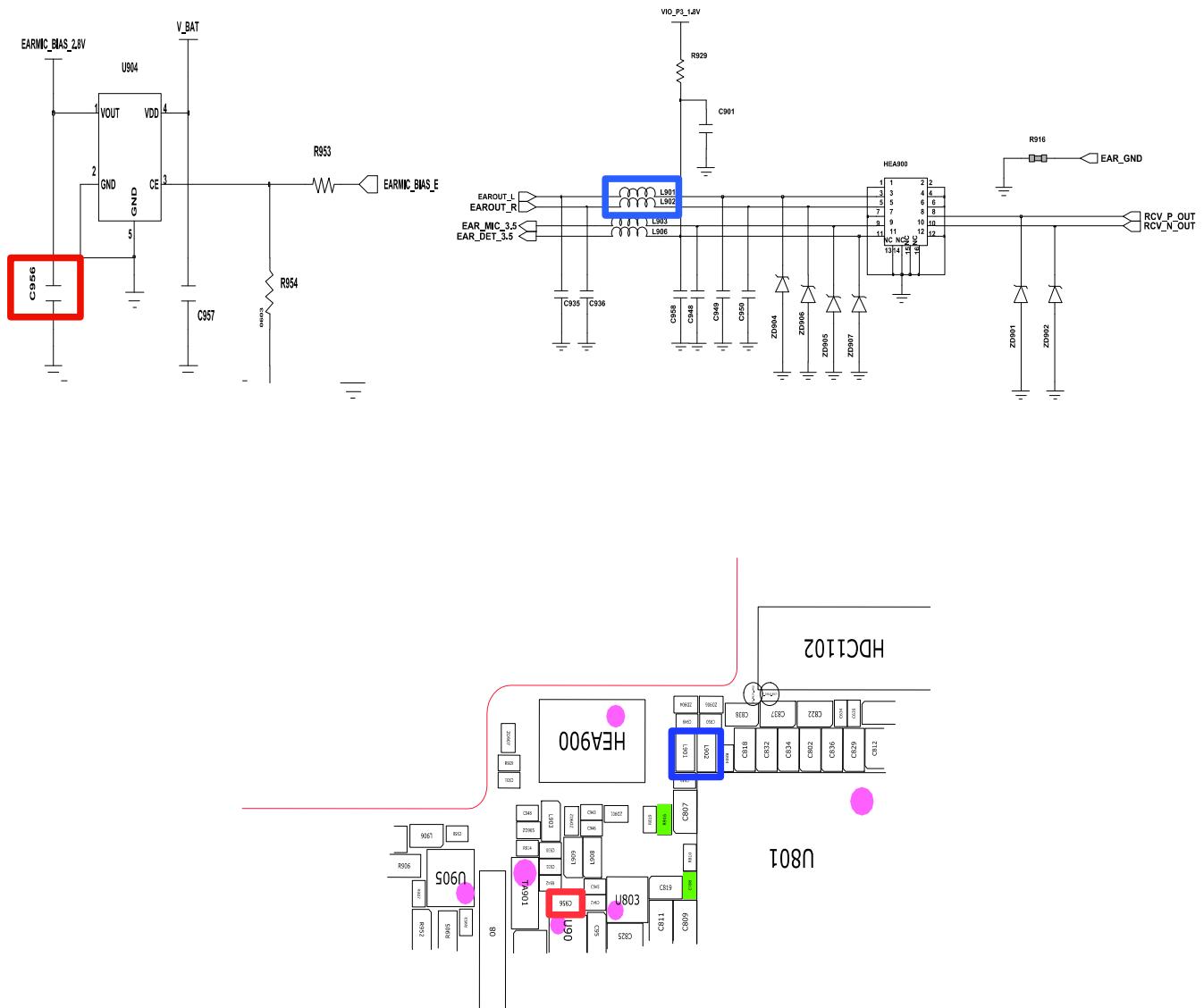
8-3-4. Microphone Part - MAIN MIC



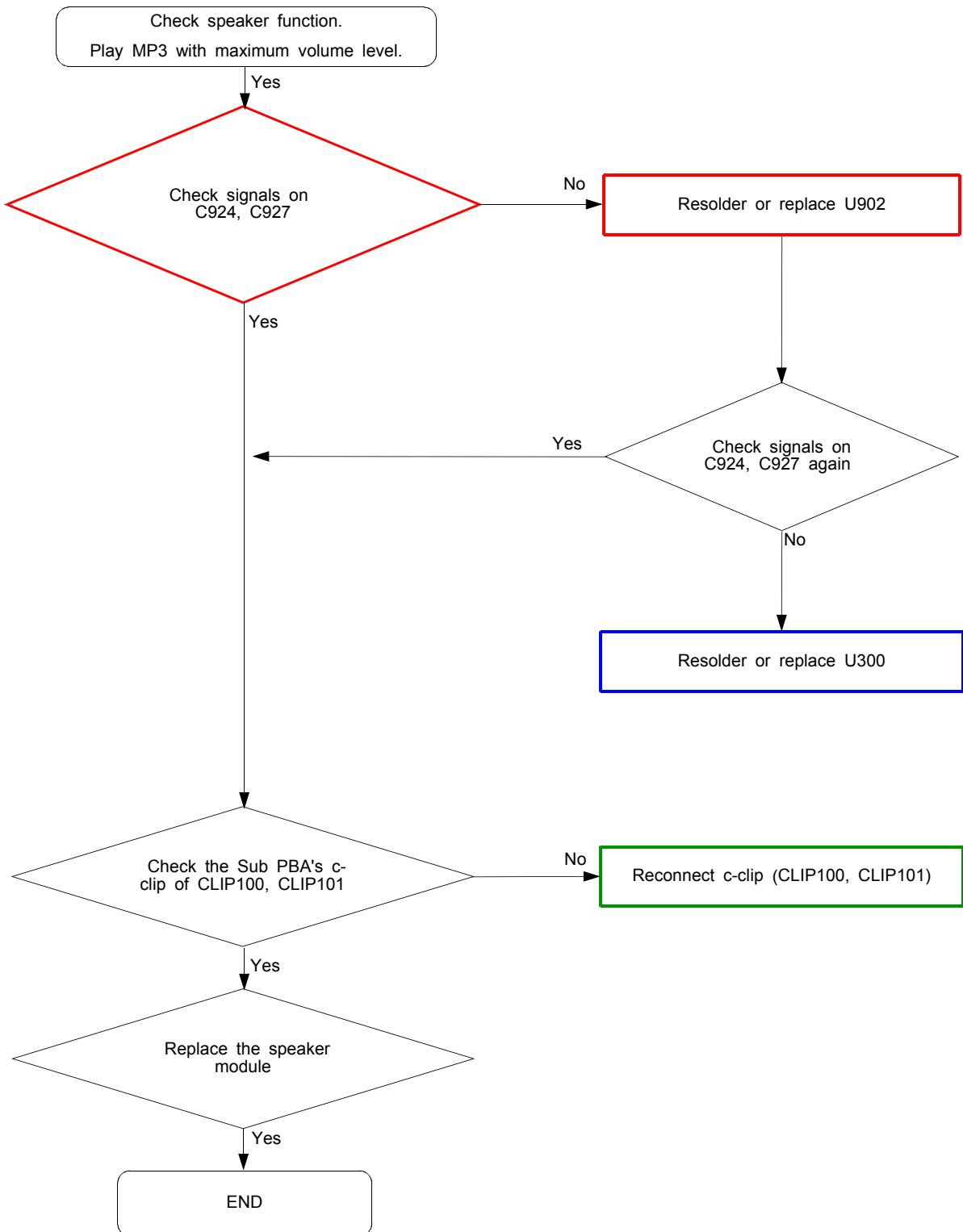


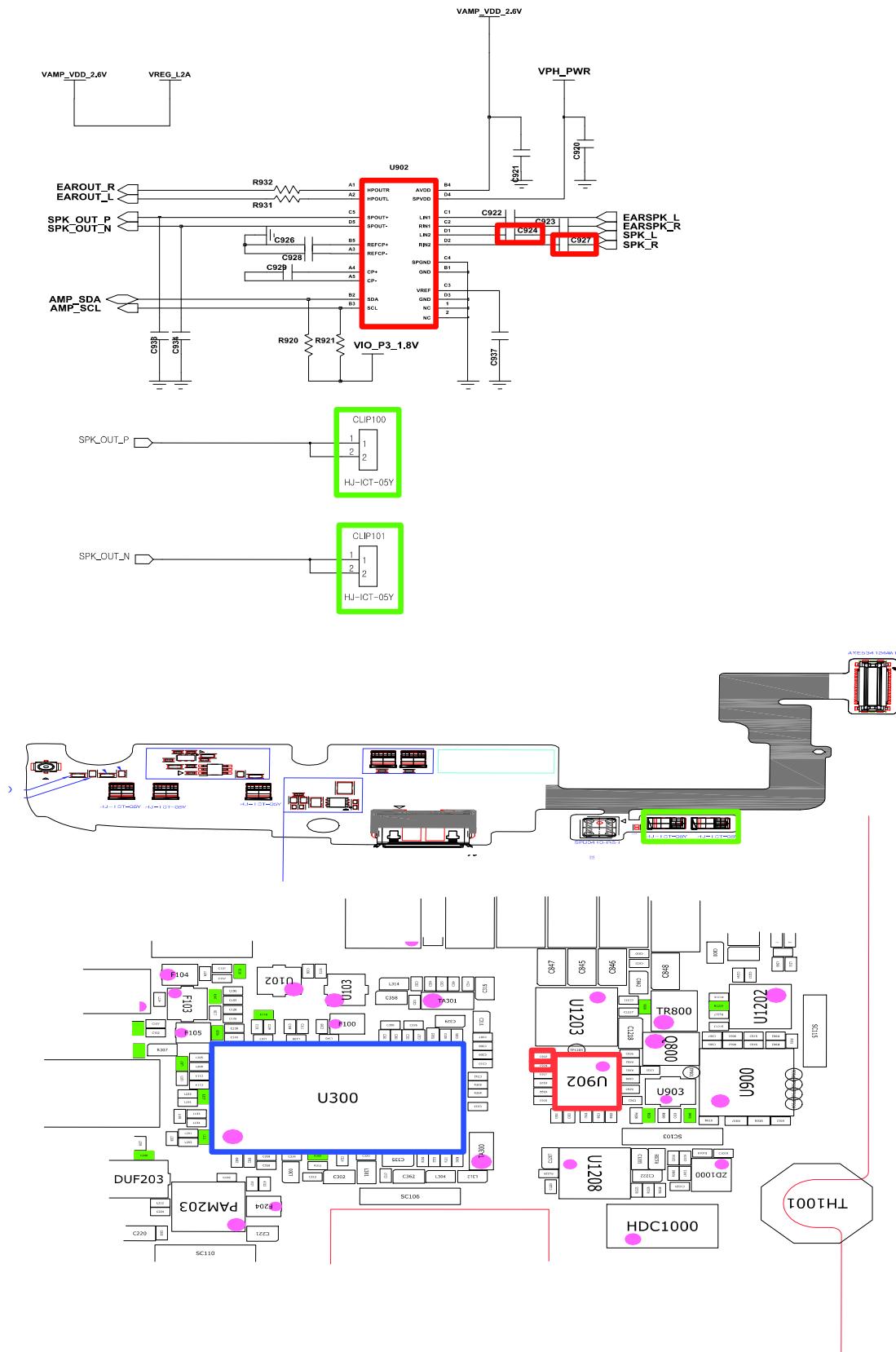
8-3-5. Microphone Part - Earphone MIC



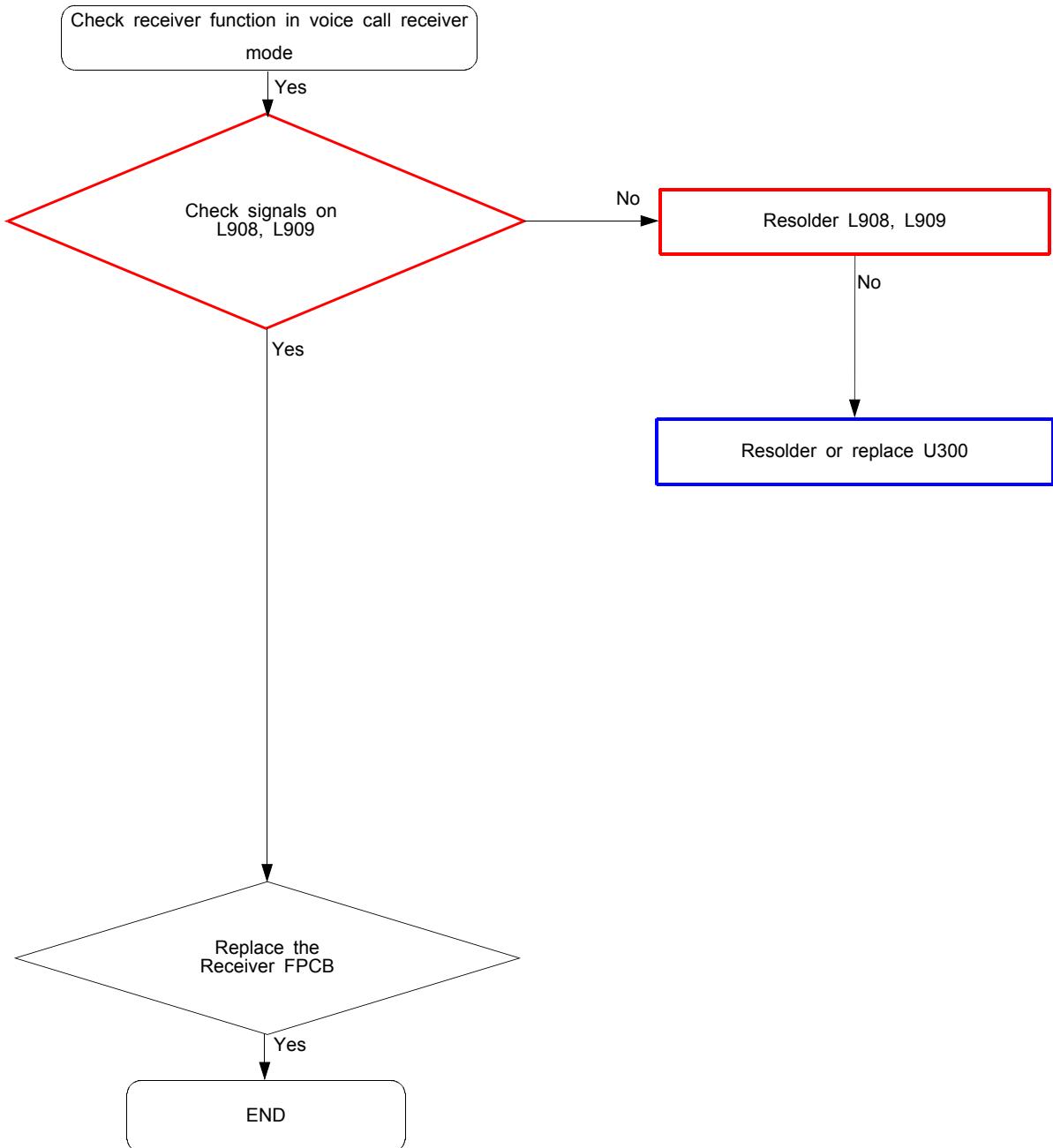


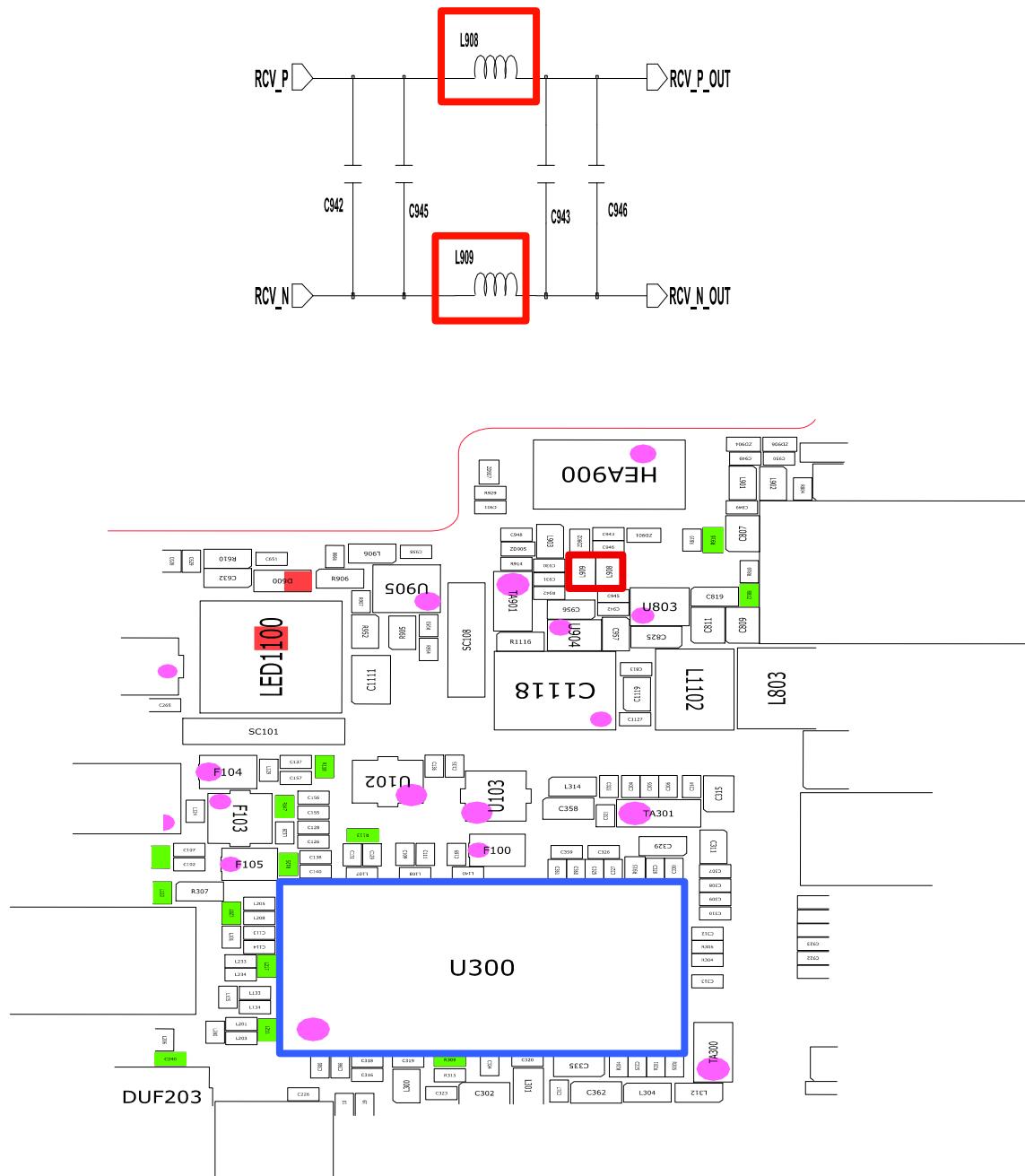
8-3-6.SPEAKER



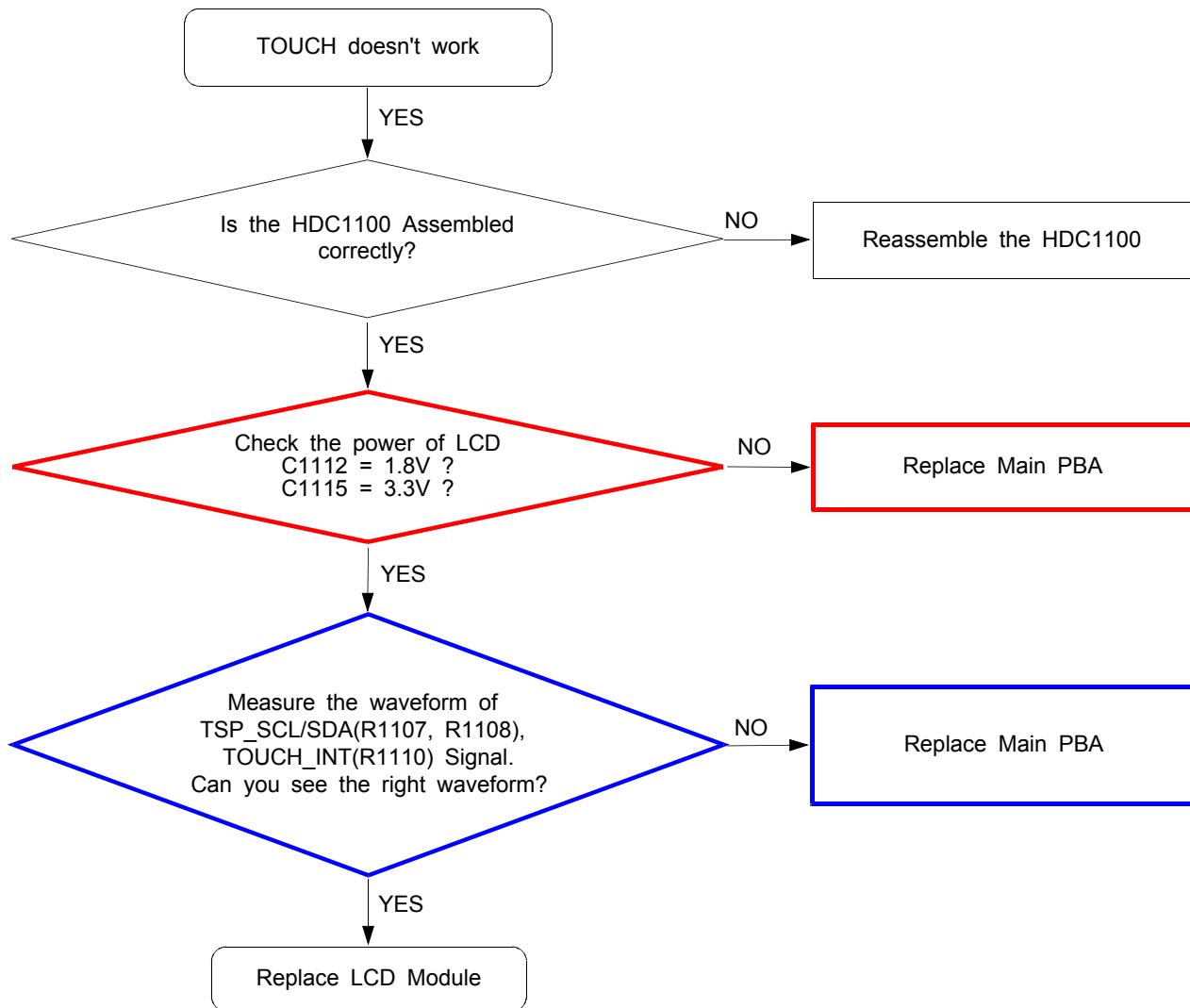


8-3-7.RECEIVER

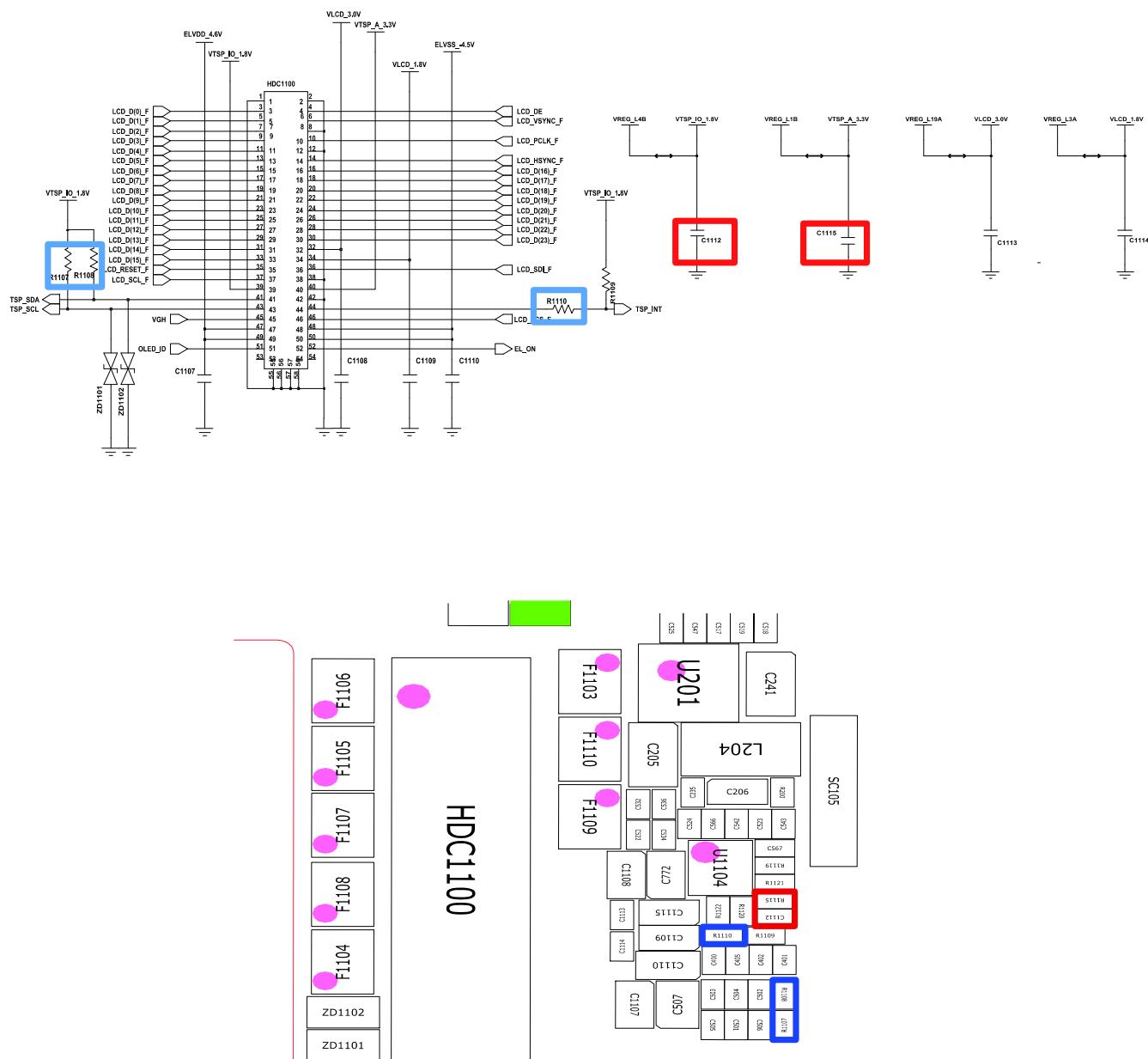




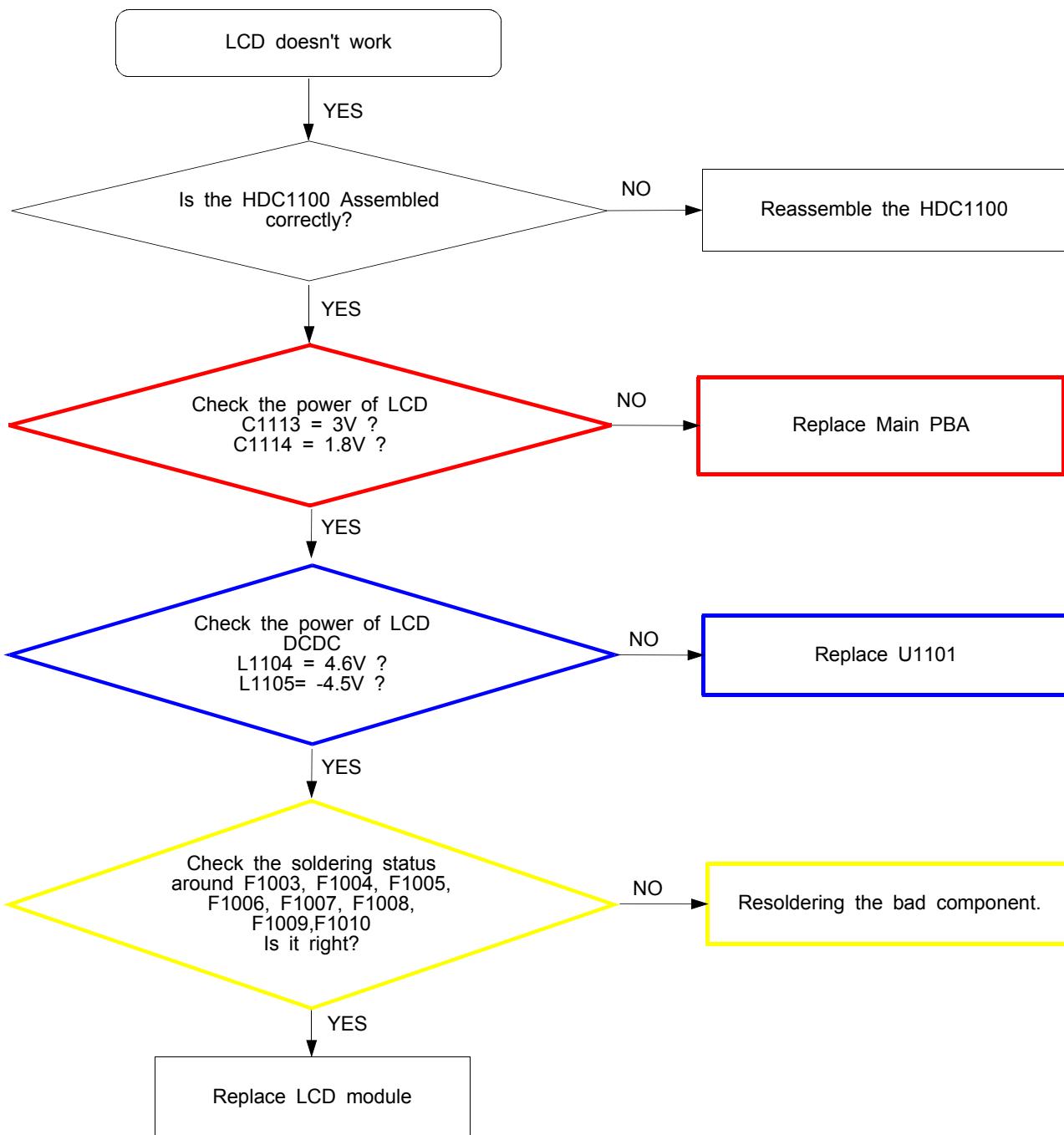
8-3-8. TSP



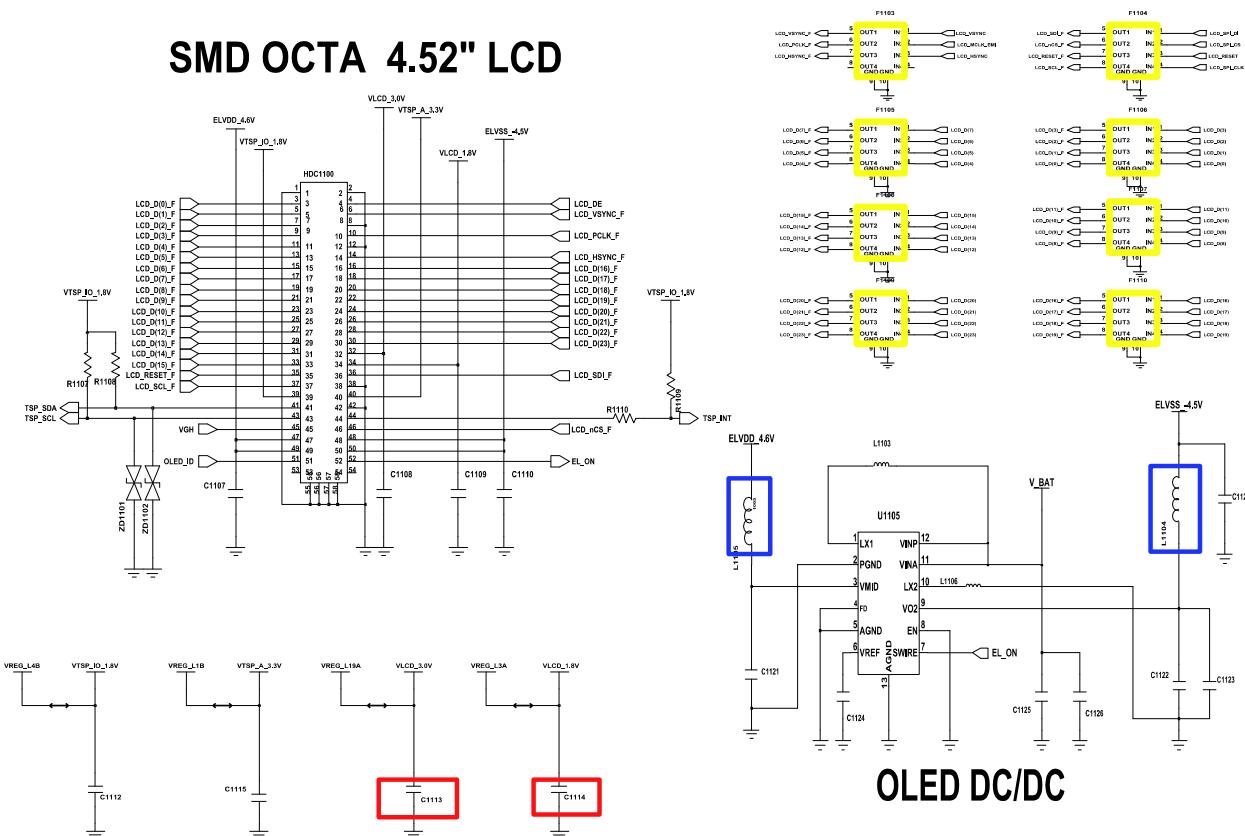
SMD OCTA 4.52" LCD



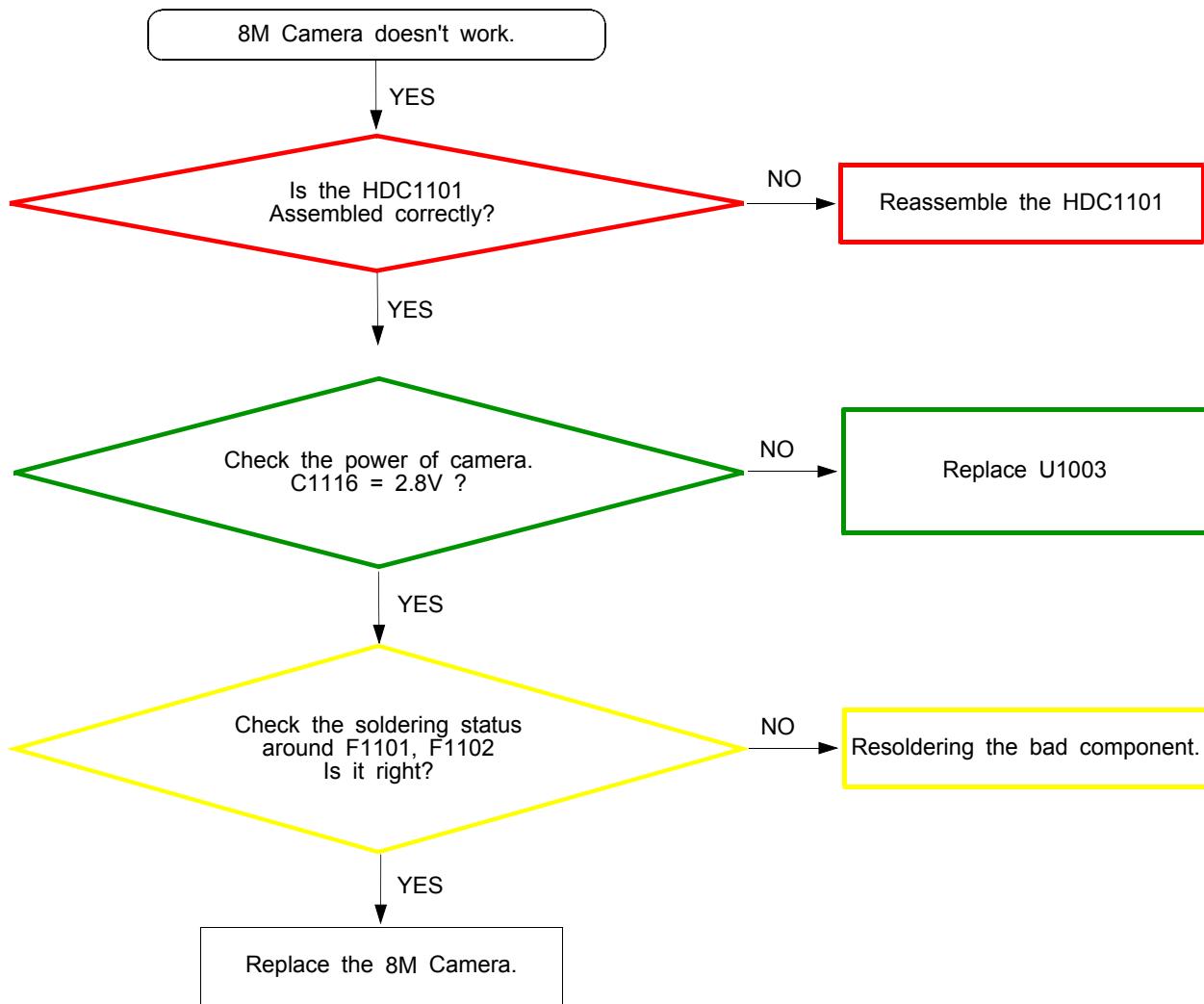
8-3-9. LCD PART

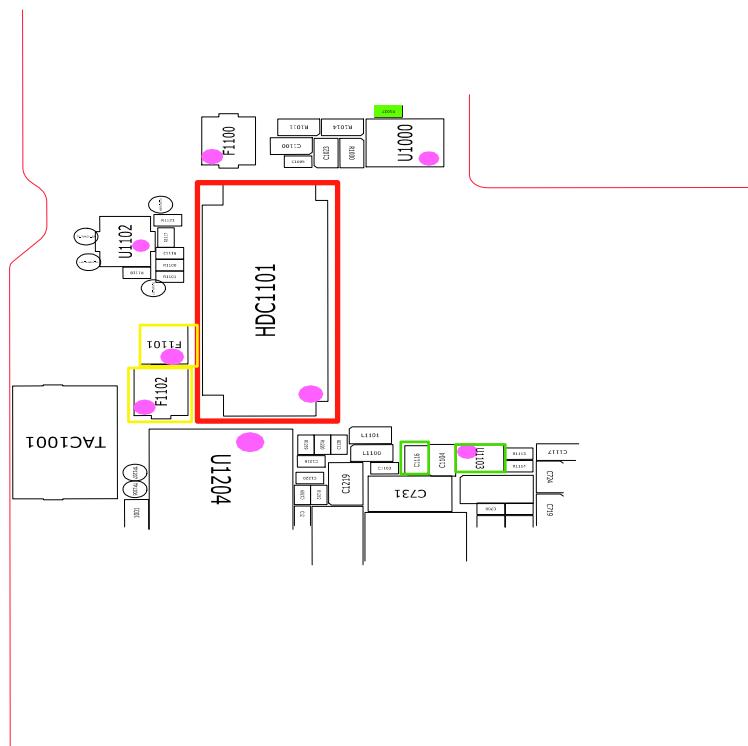
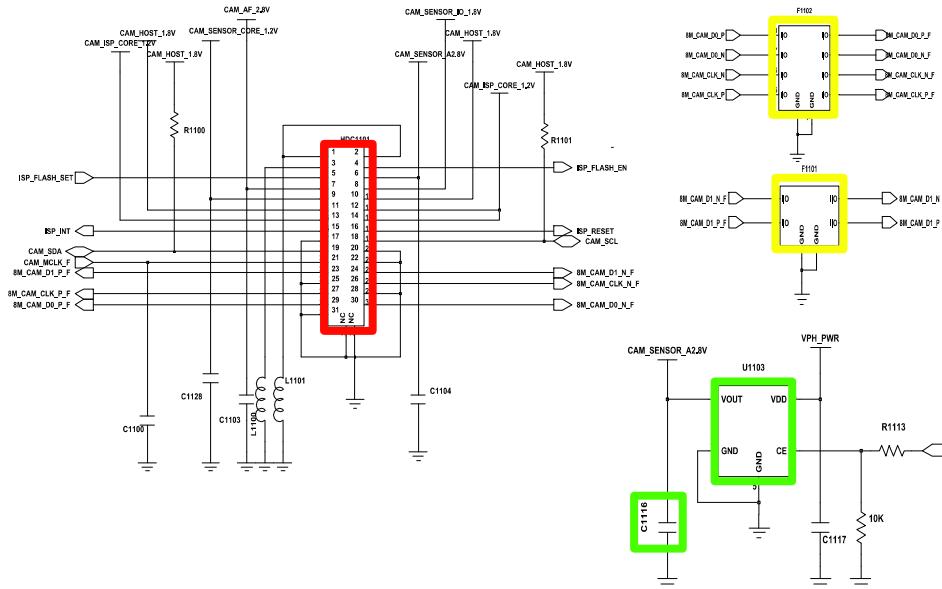


SMD OCTA 4.52" LCD

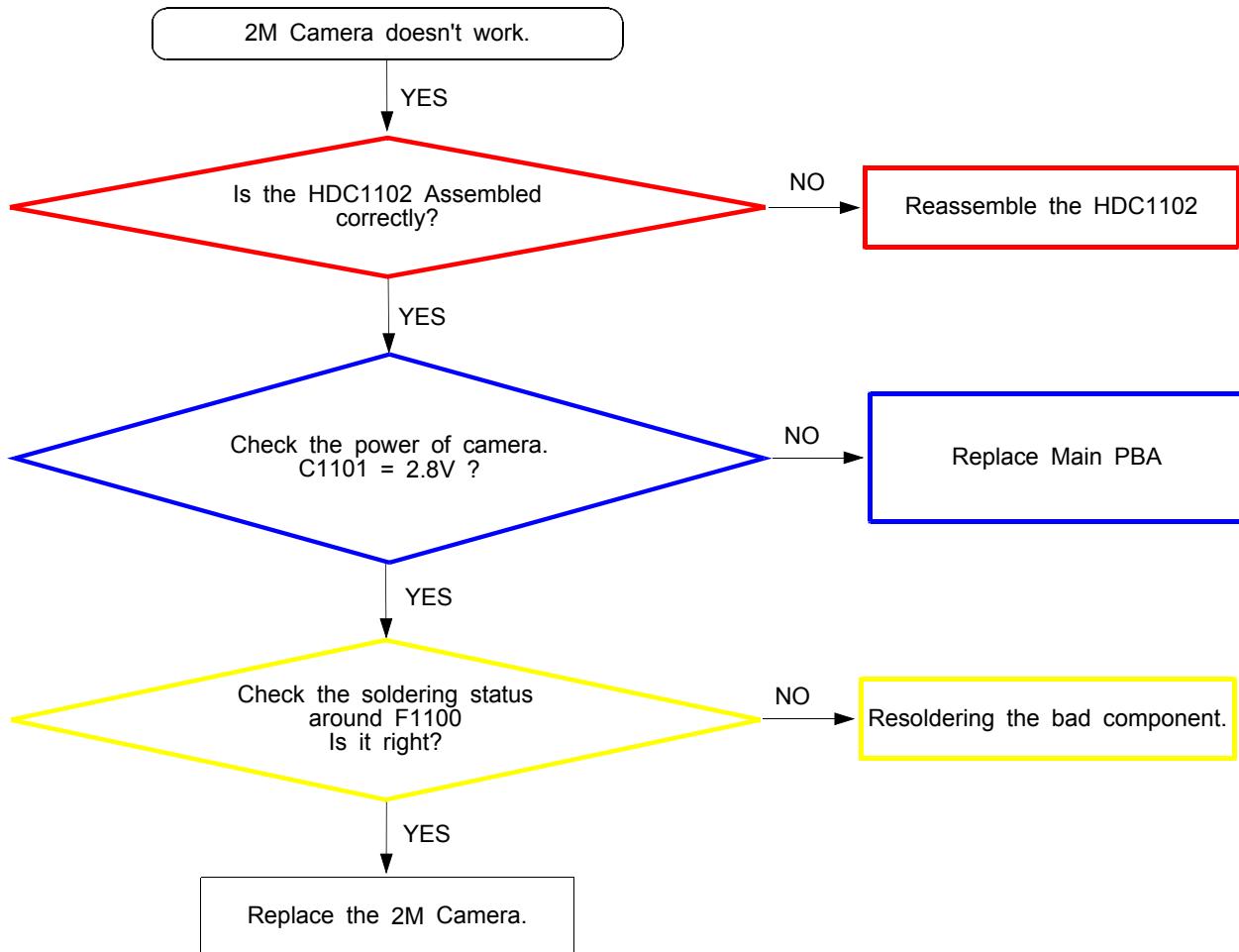


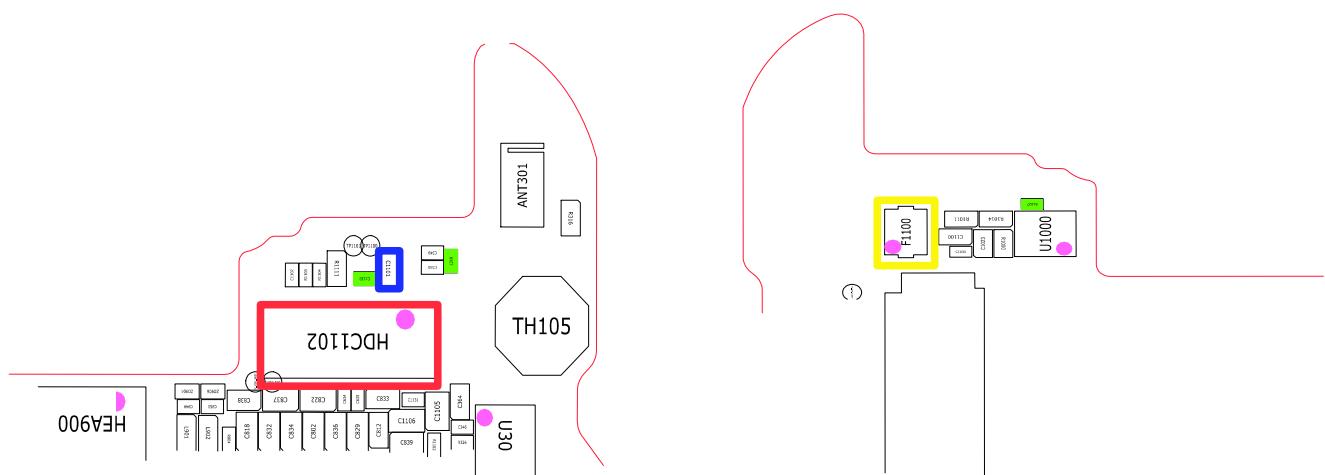
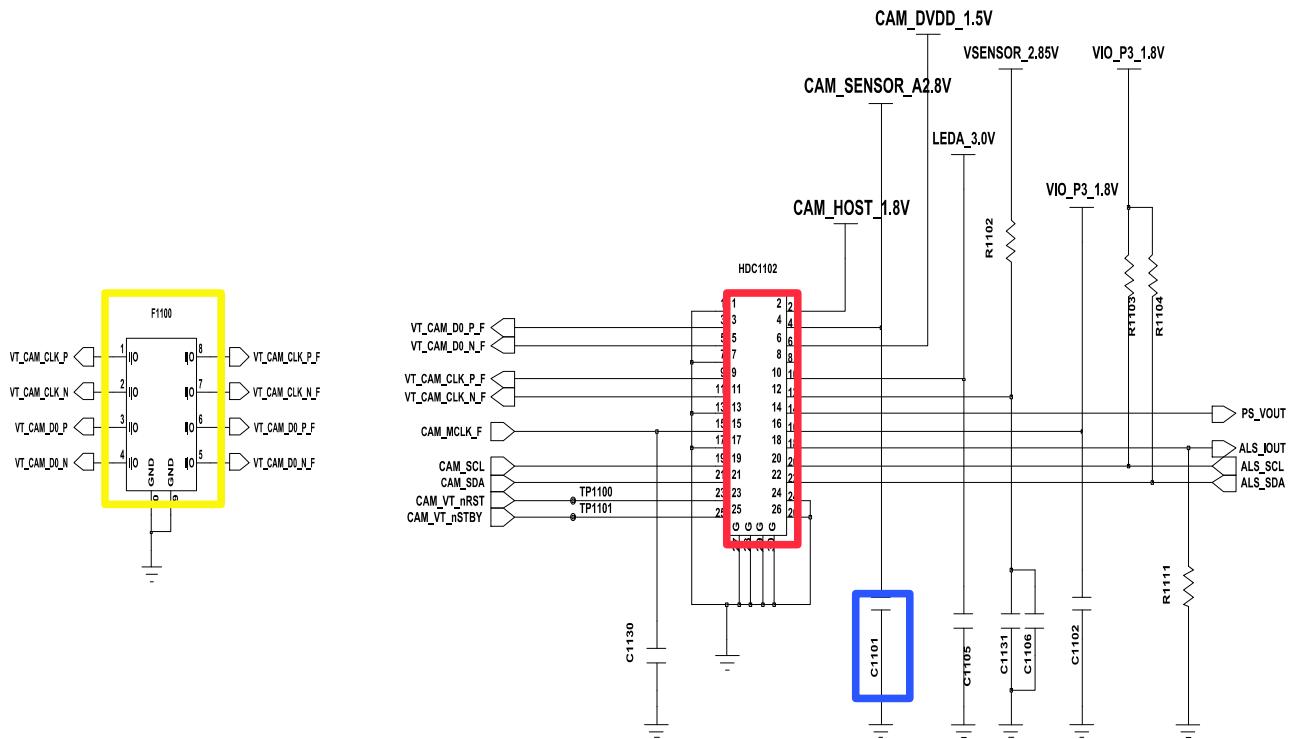
8-3-10. 8M Camera



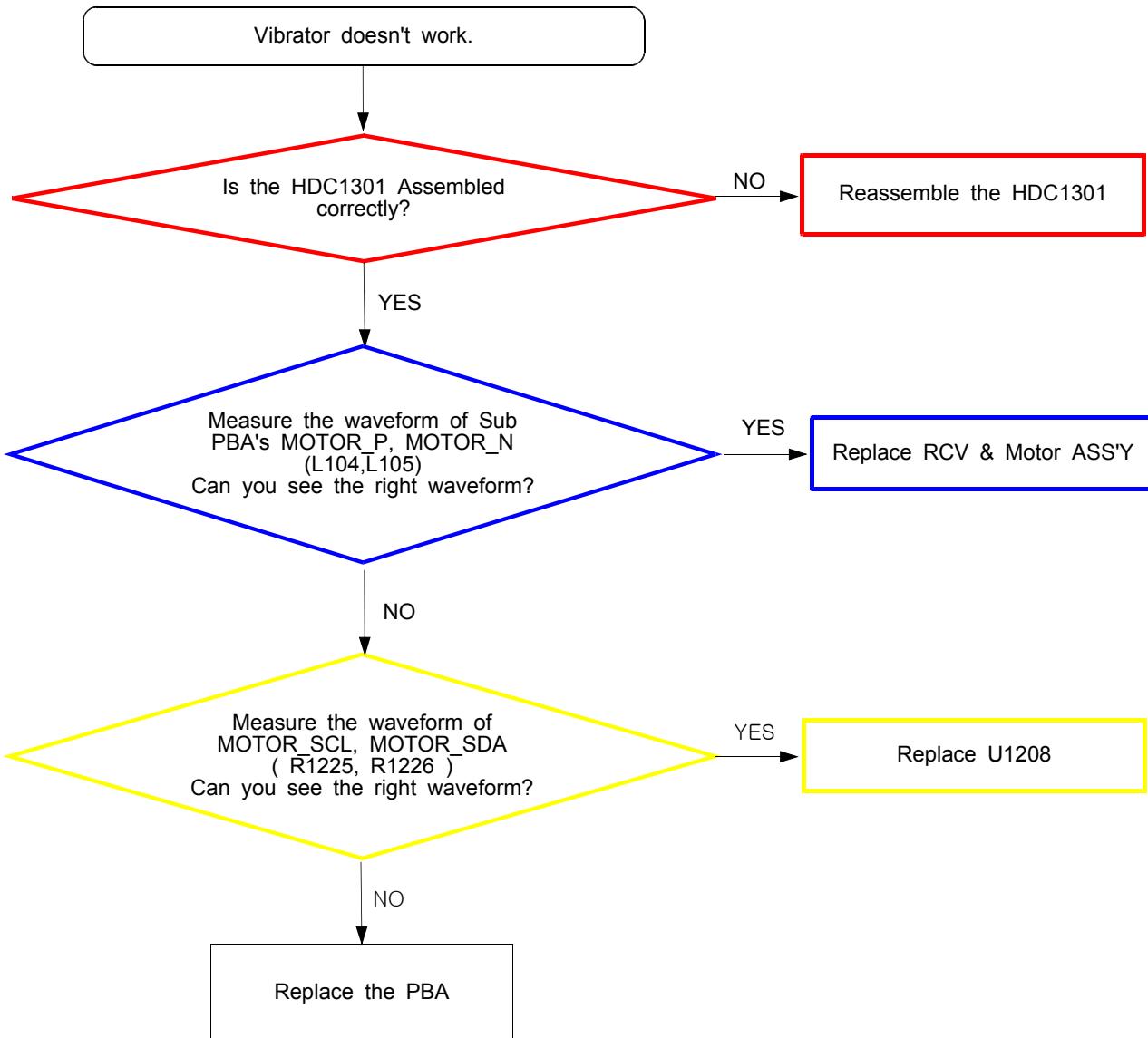


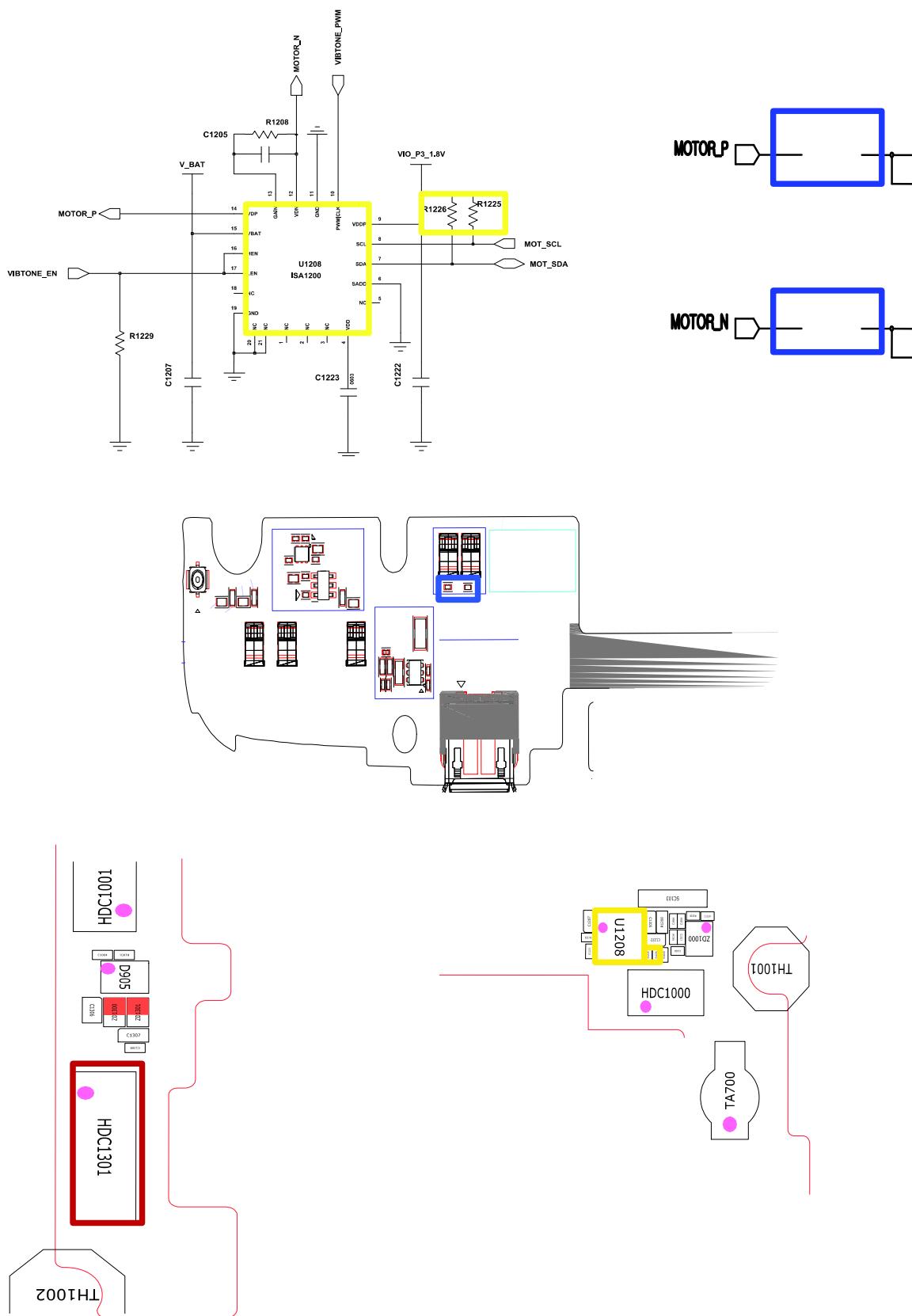
8-3-11. 2M Camera





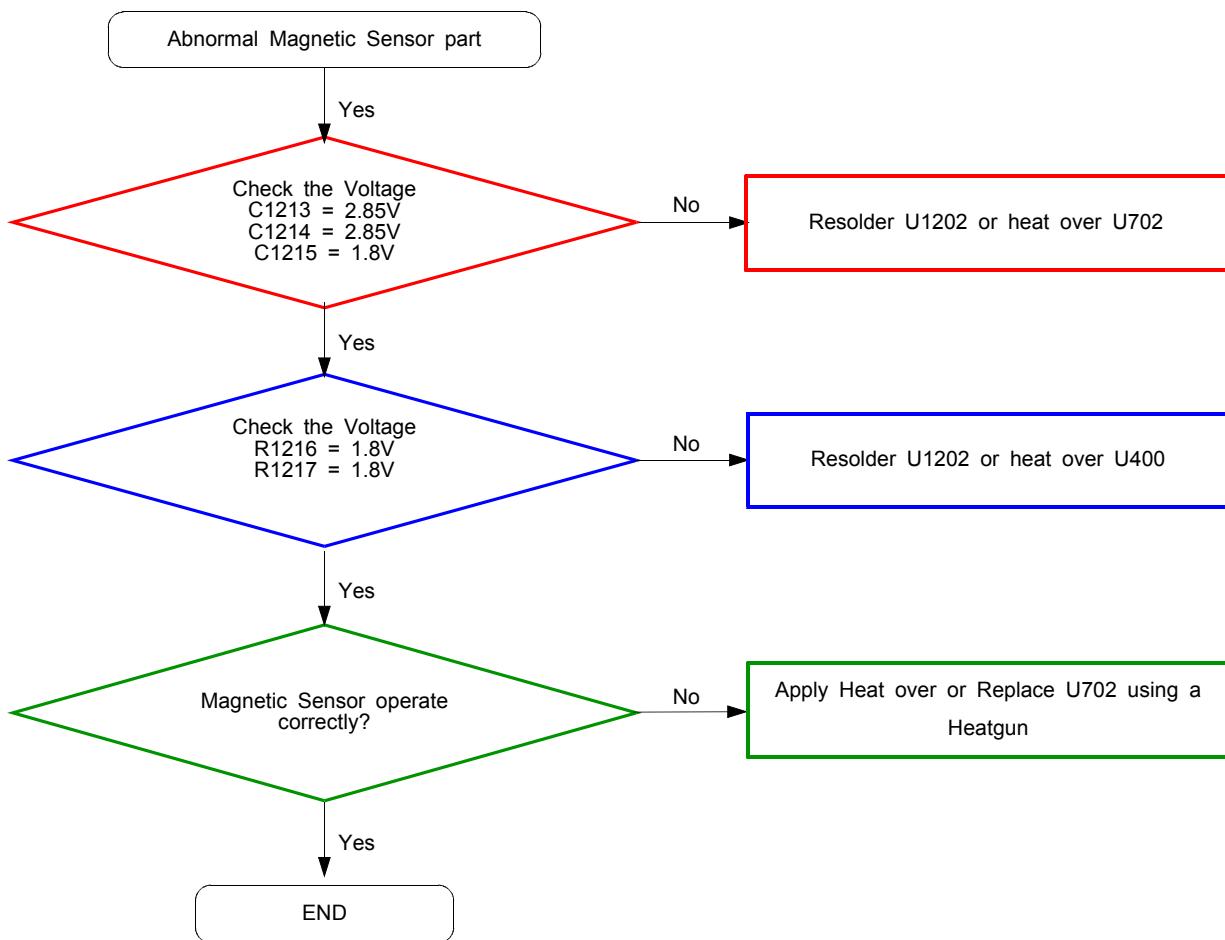
8-3-12.Vibration Motor

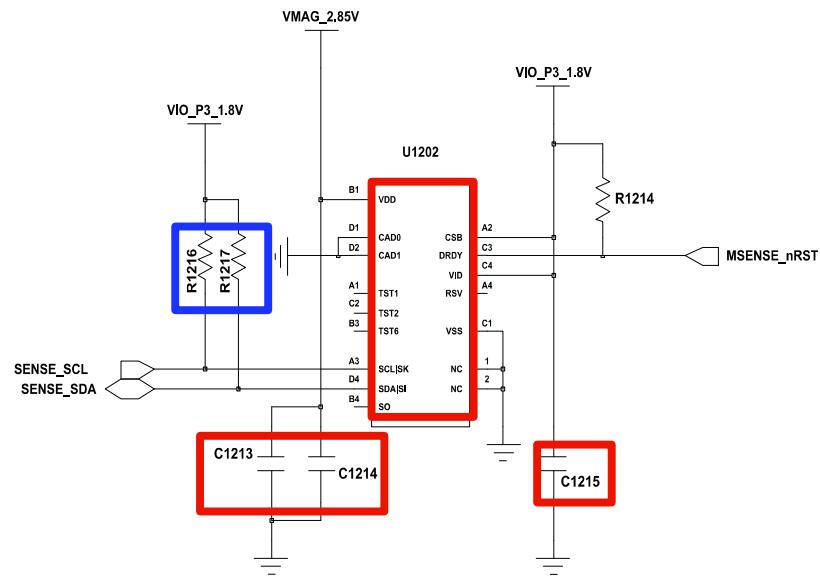




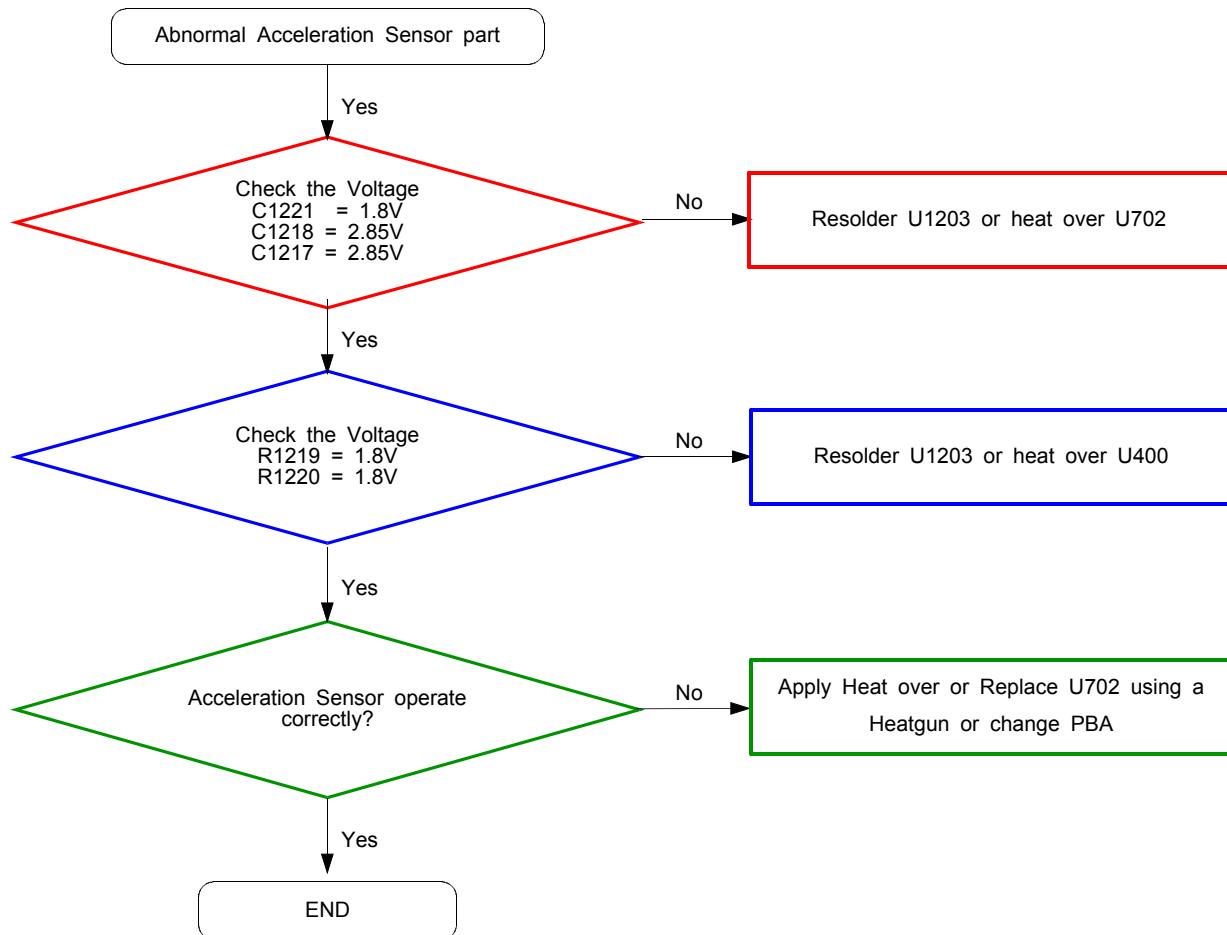
8-3-13.Sensor Part

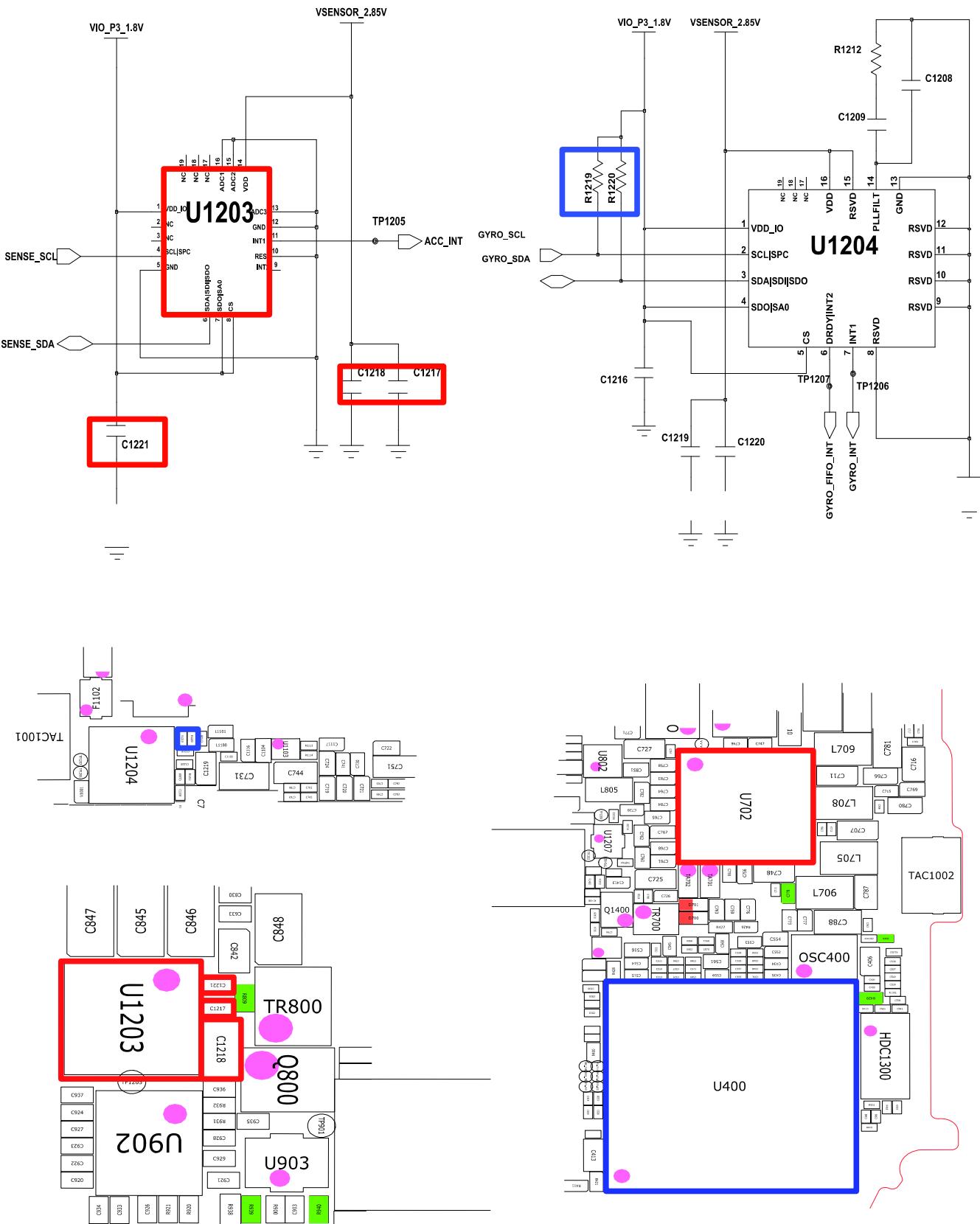
1. Magnetic Sensor



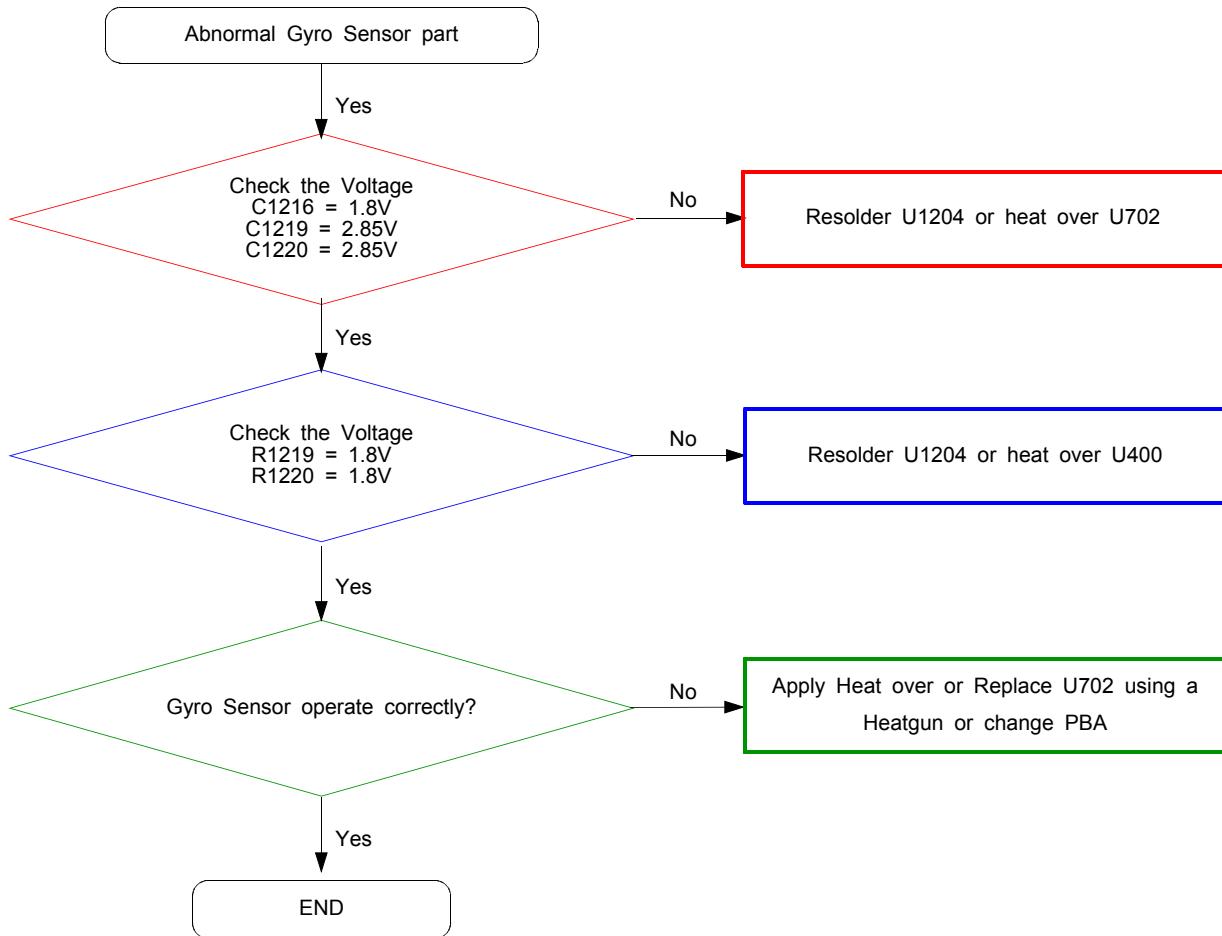


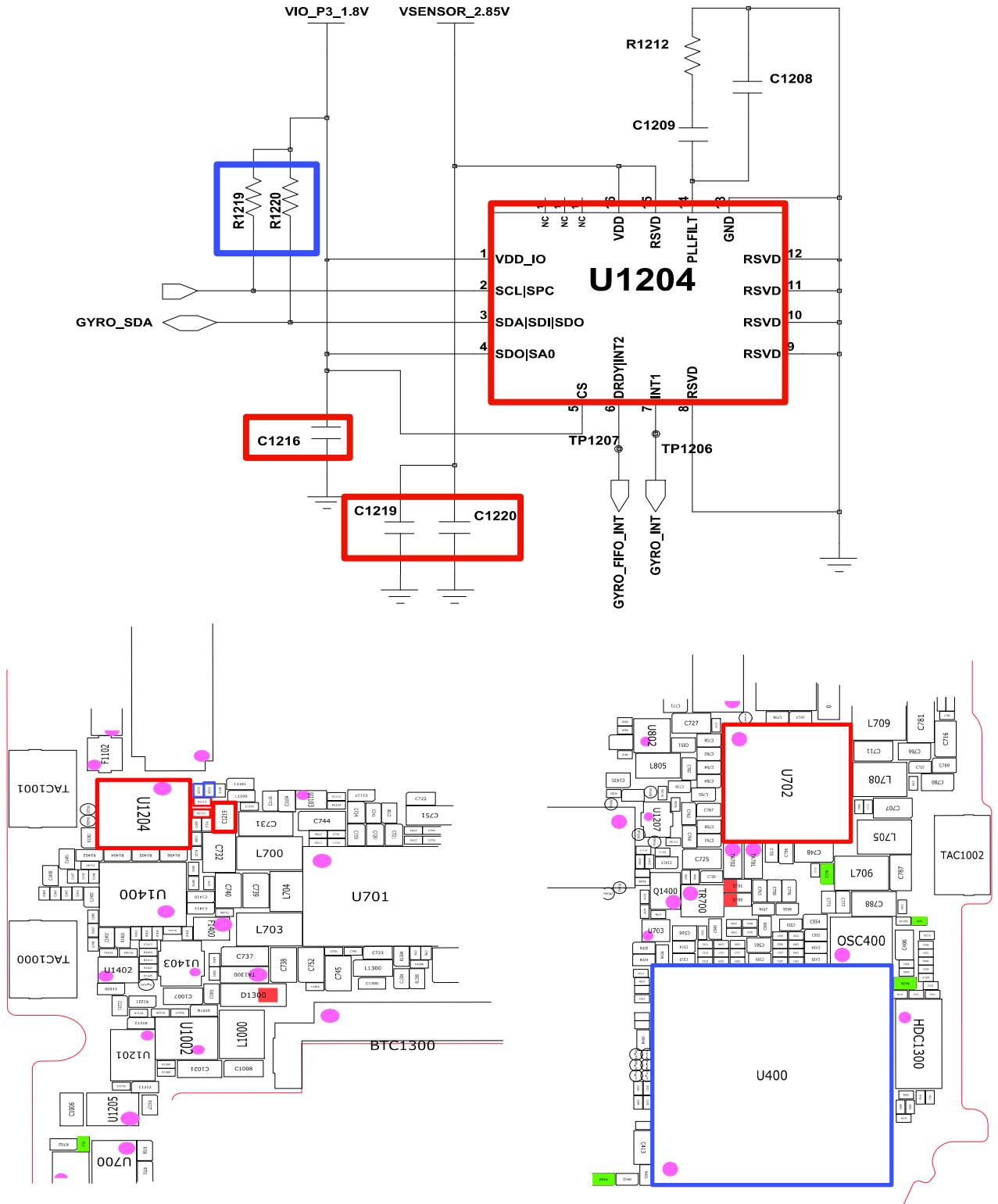
2. Acceleration Sensor





3. Gyro Sensor

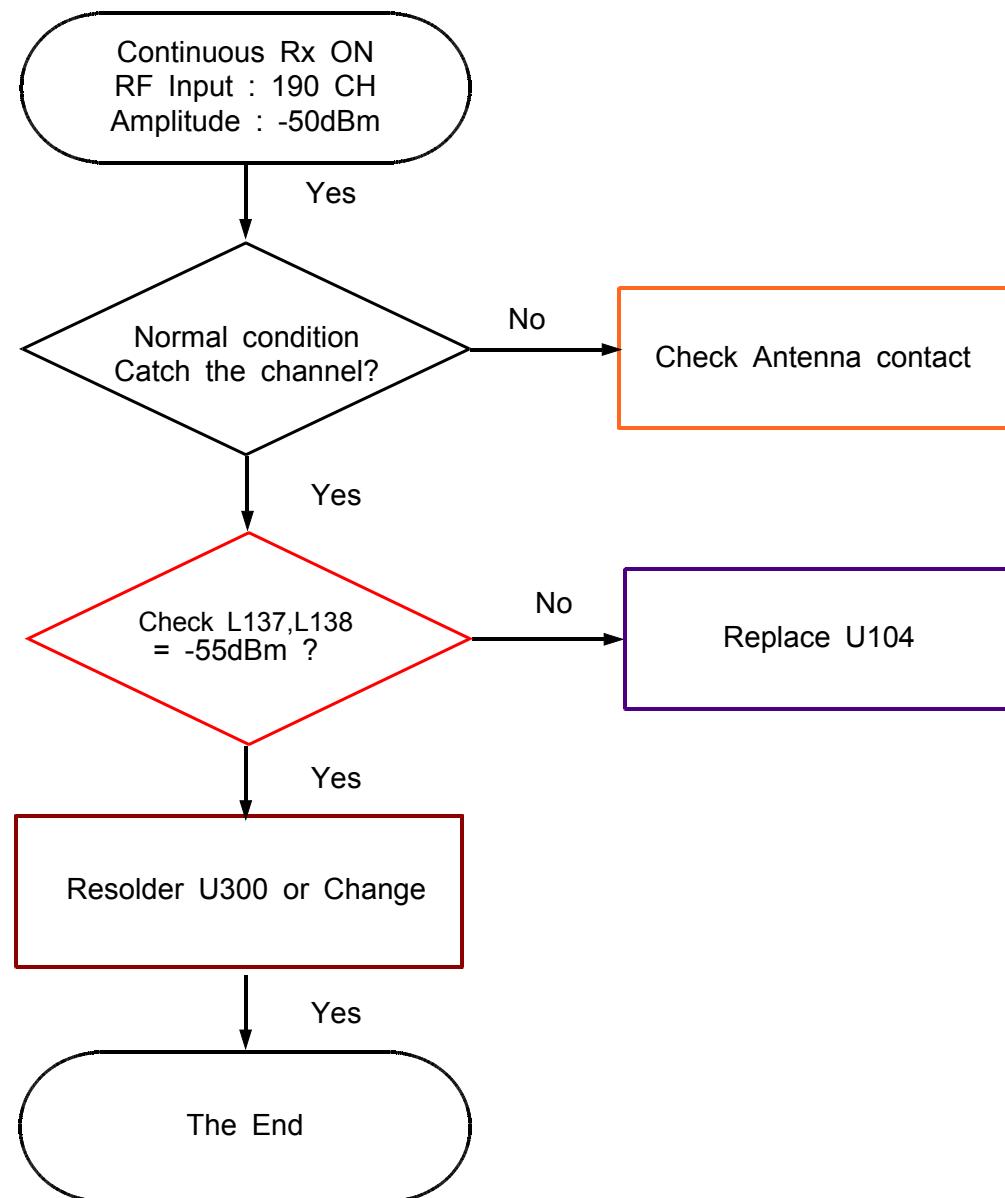




8-4-1. GSM850 RX

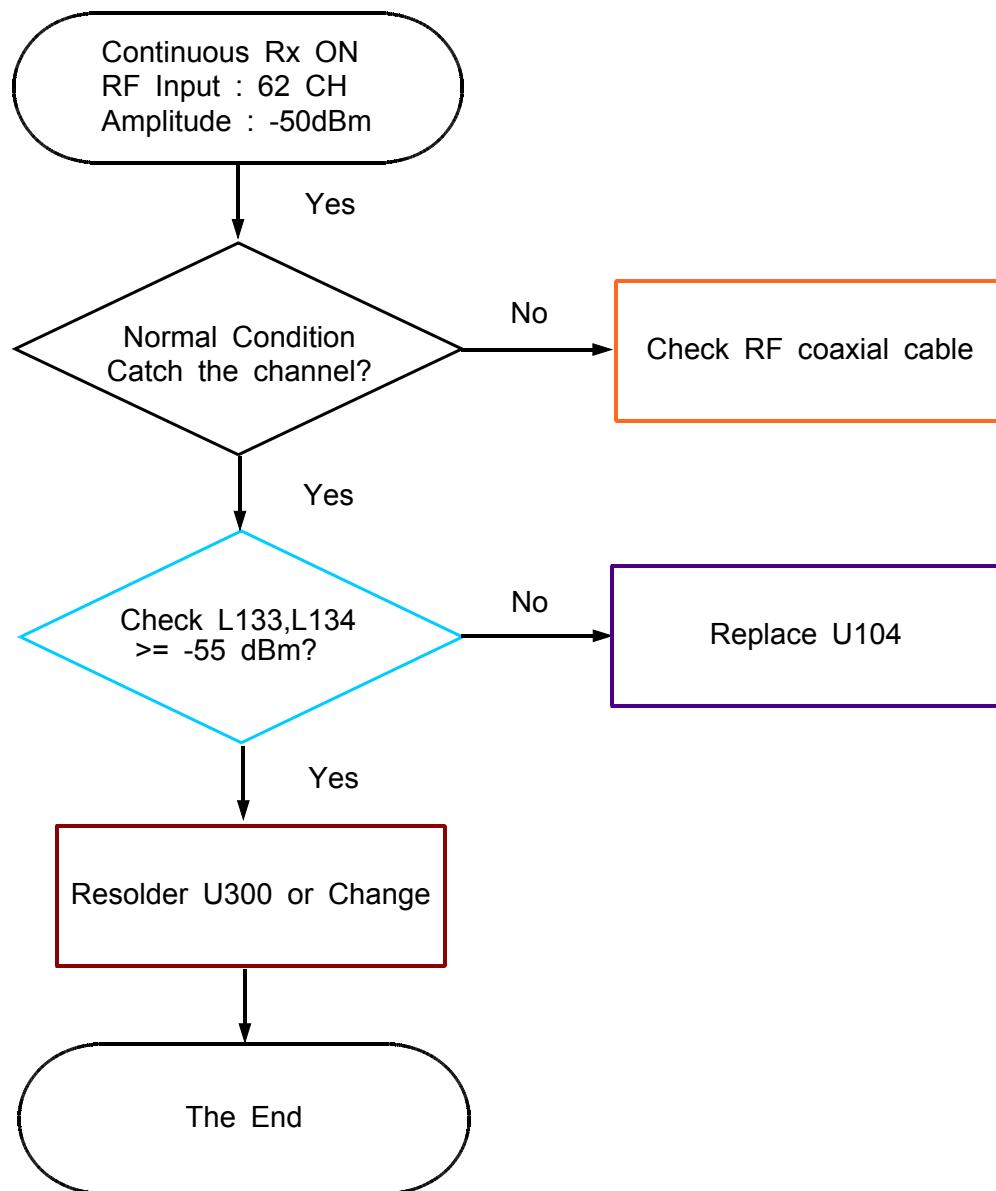
**If you check the Rx chain,

Check the not only RF Device but also resistor, inductor and capacitor.



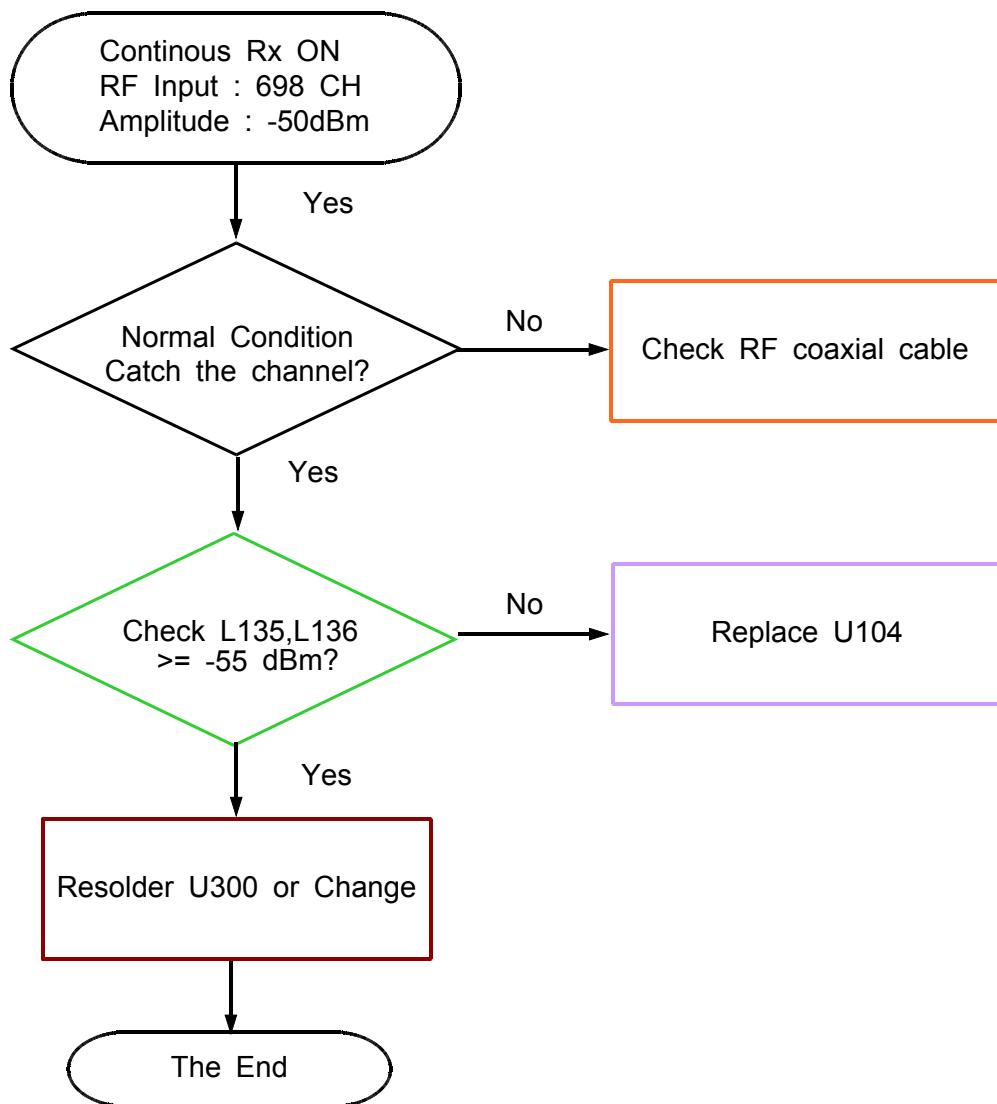
8-4-2. GSM900 RX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



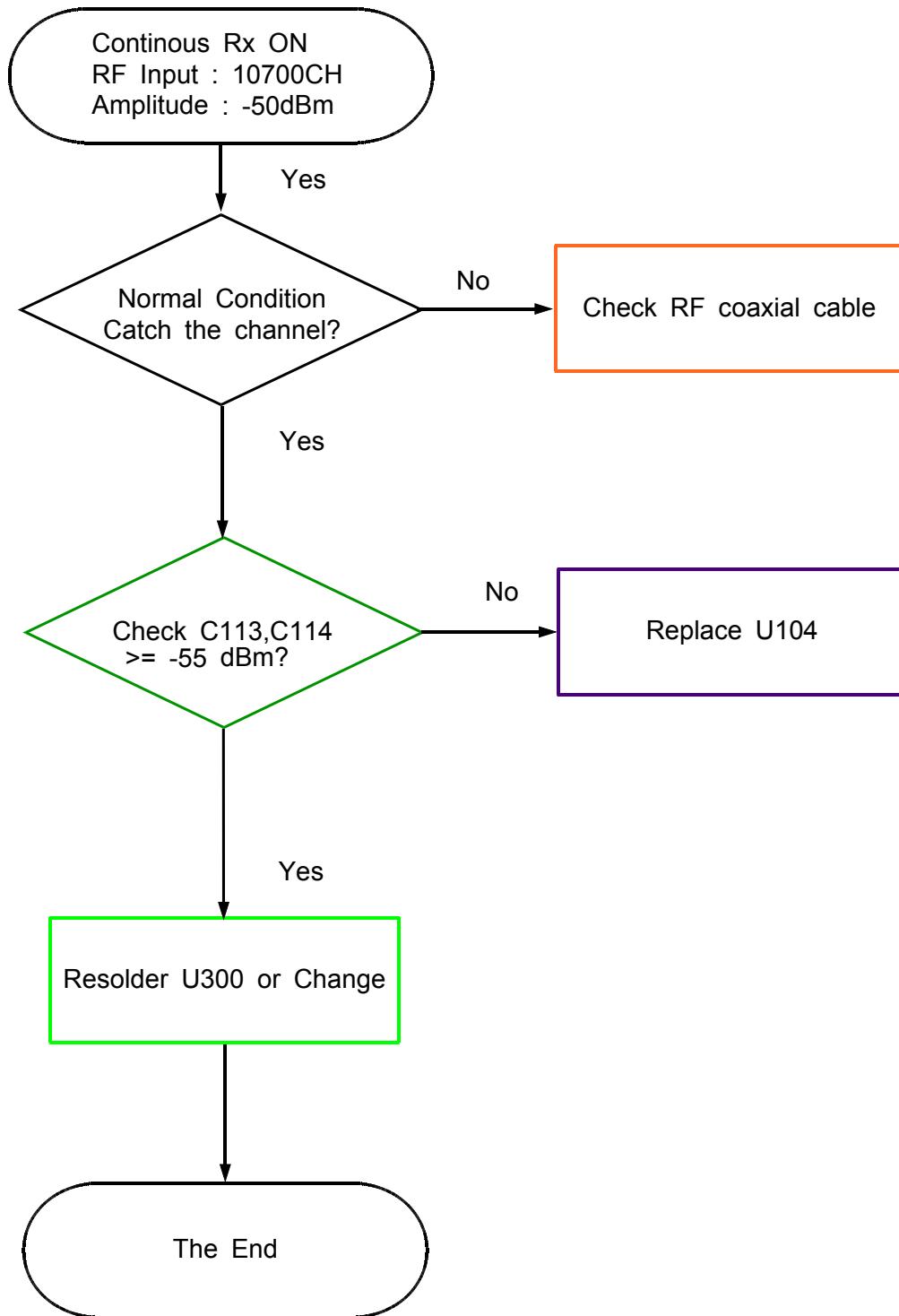
8-4-3. DCS/PCS RX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



8-4-4. WCDMA Band1 RX

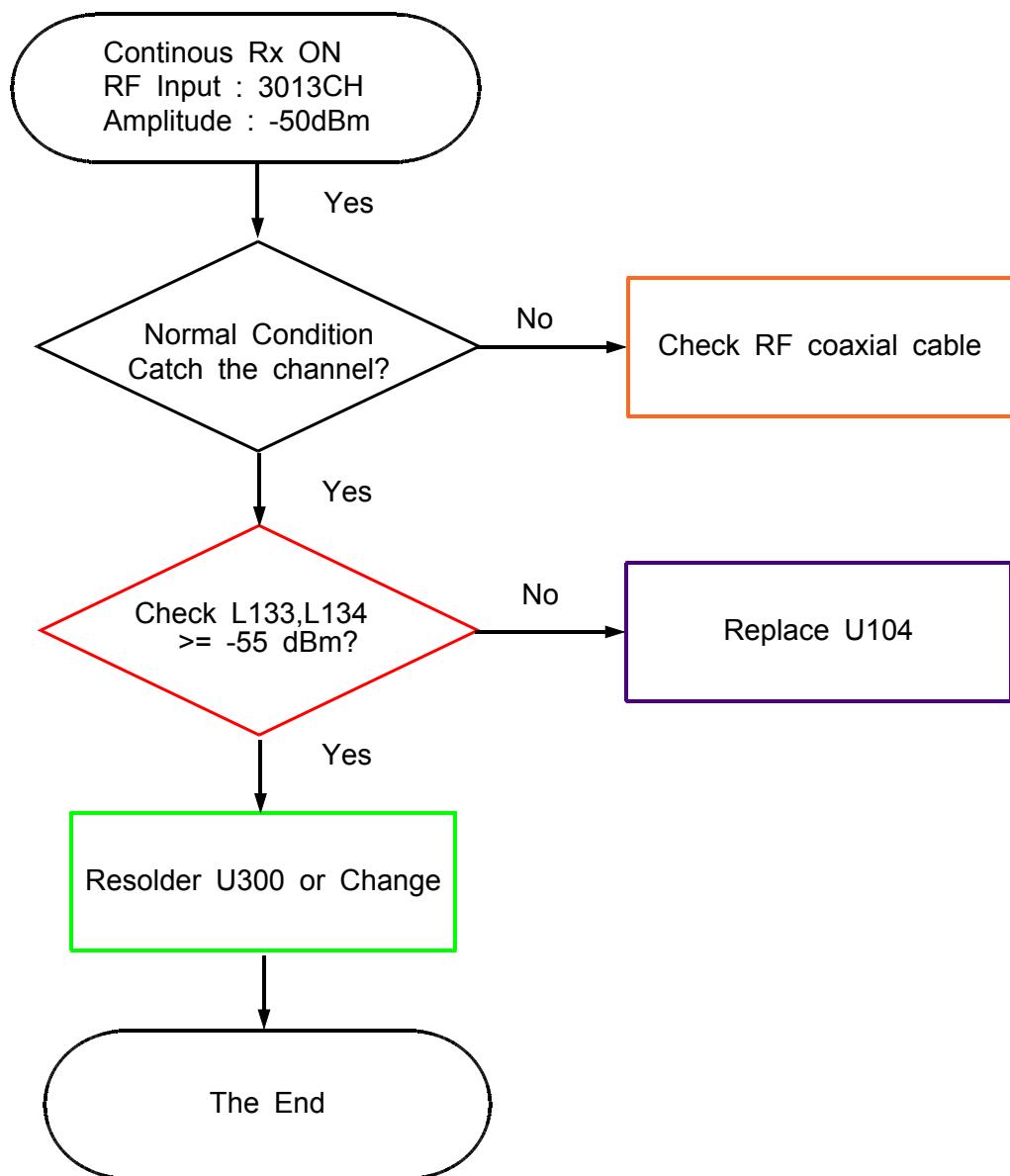
**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.

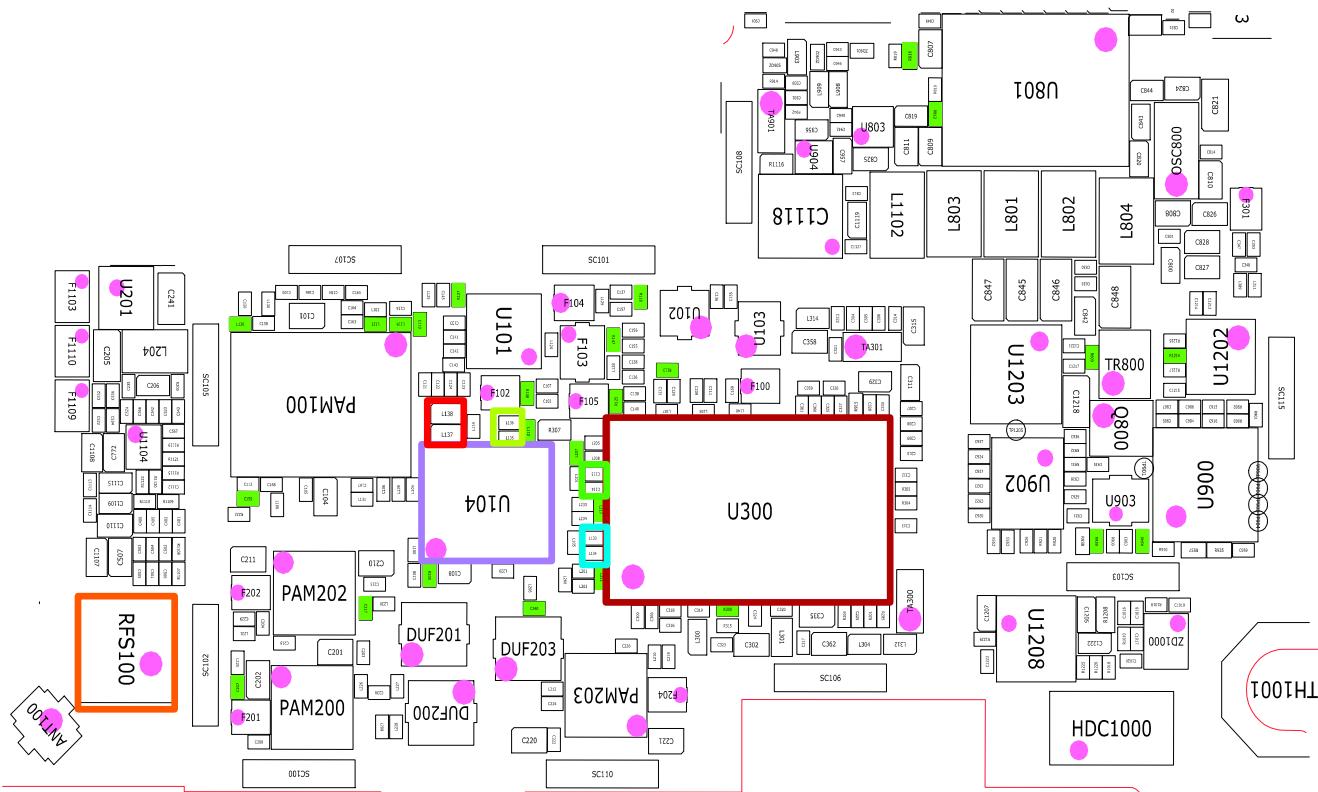
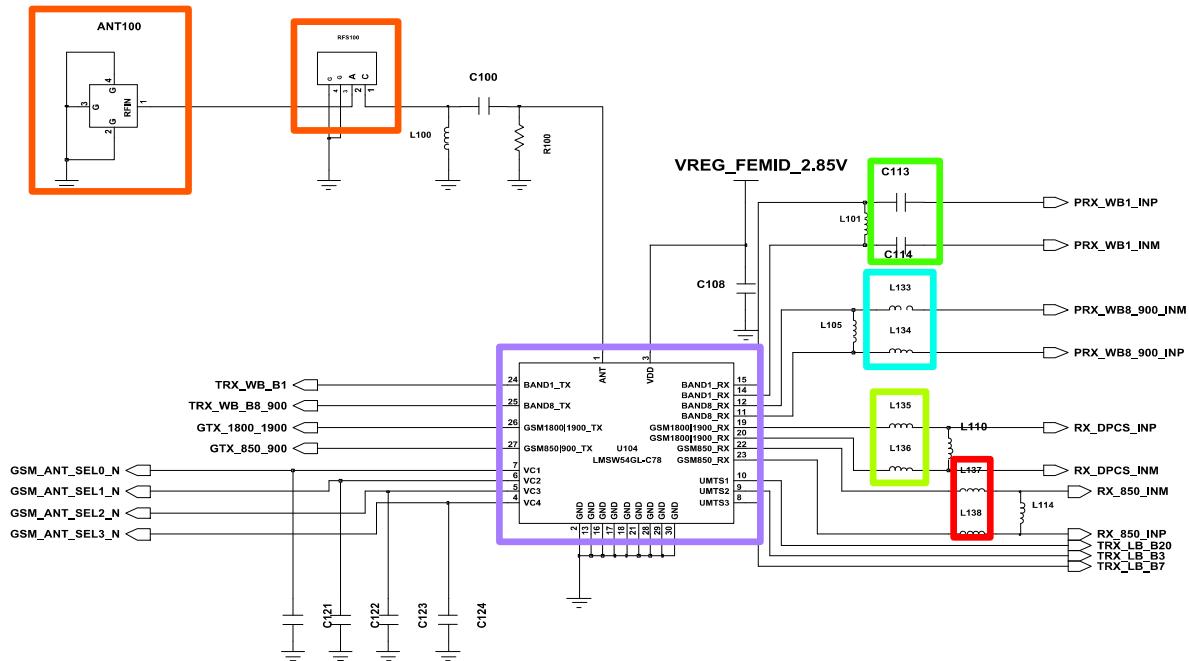


8-4-5. WCDMA Band8 RX

**If you check the tx chain,

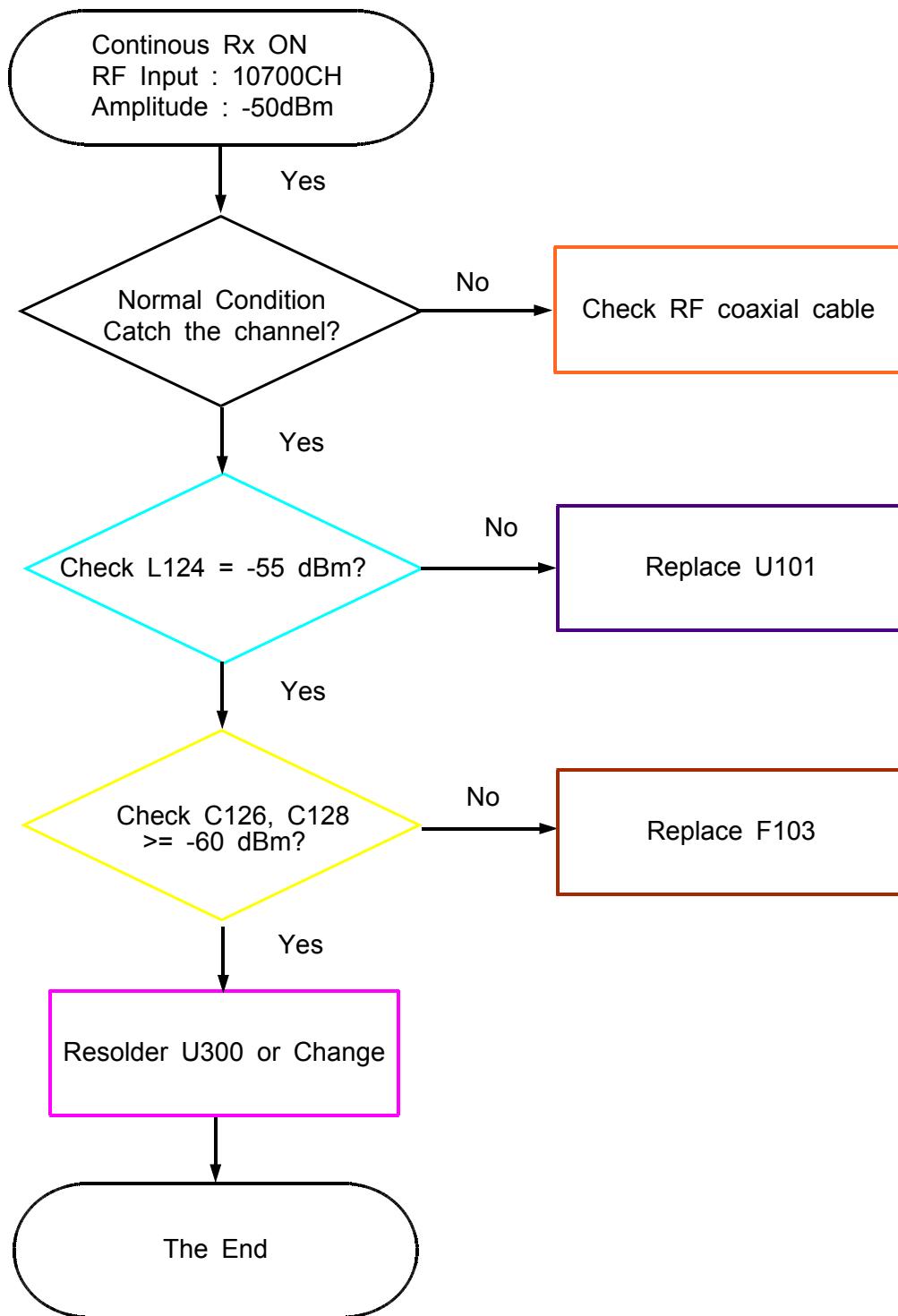
Check the not only RF Device but also resistor, inductor and capacitor.





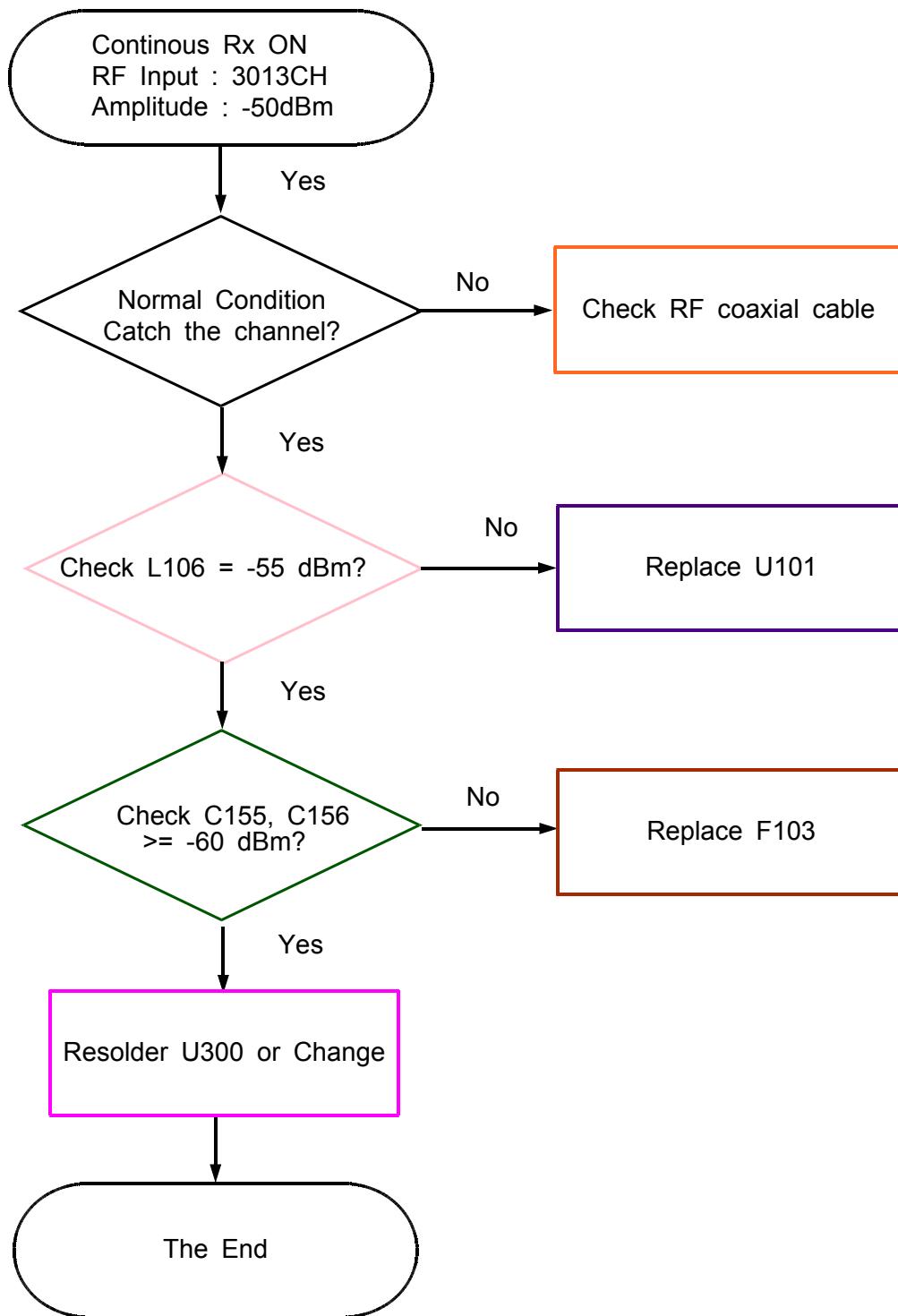
8-4-7. WCDMA Band1 DRX

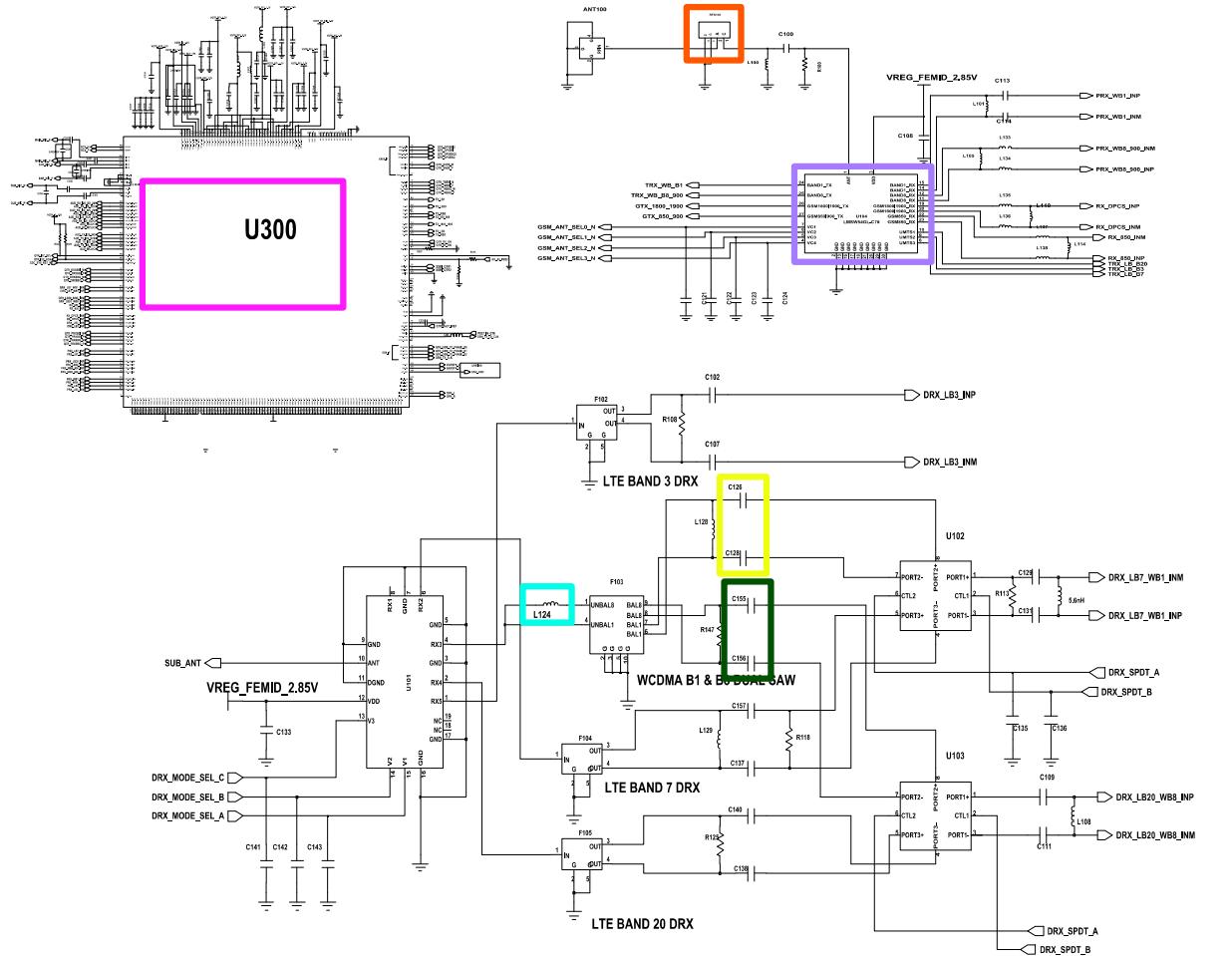
**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



8-4-8. WCDMA Band8 DRX

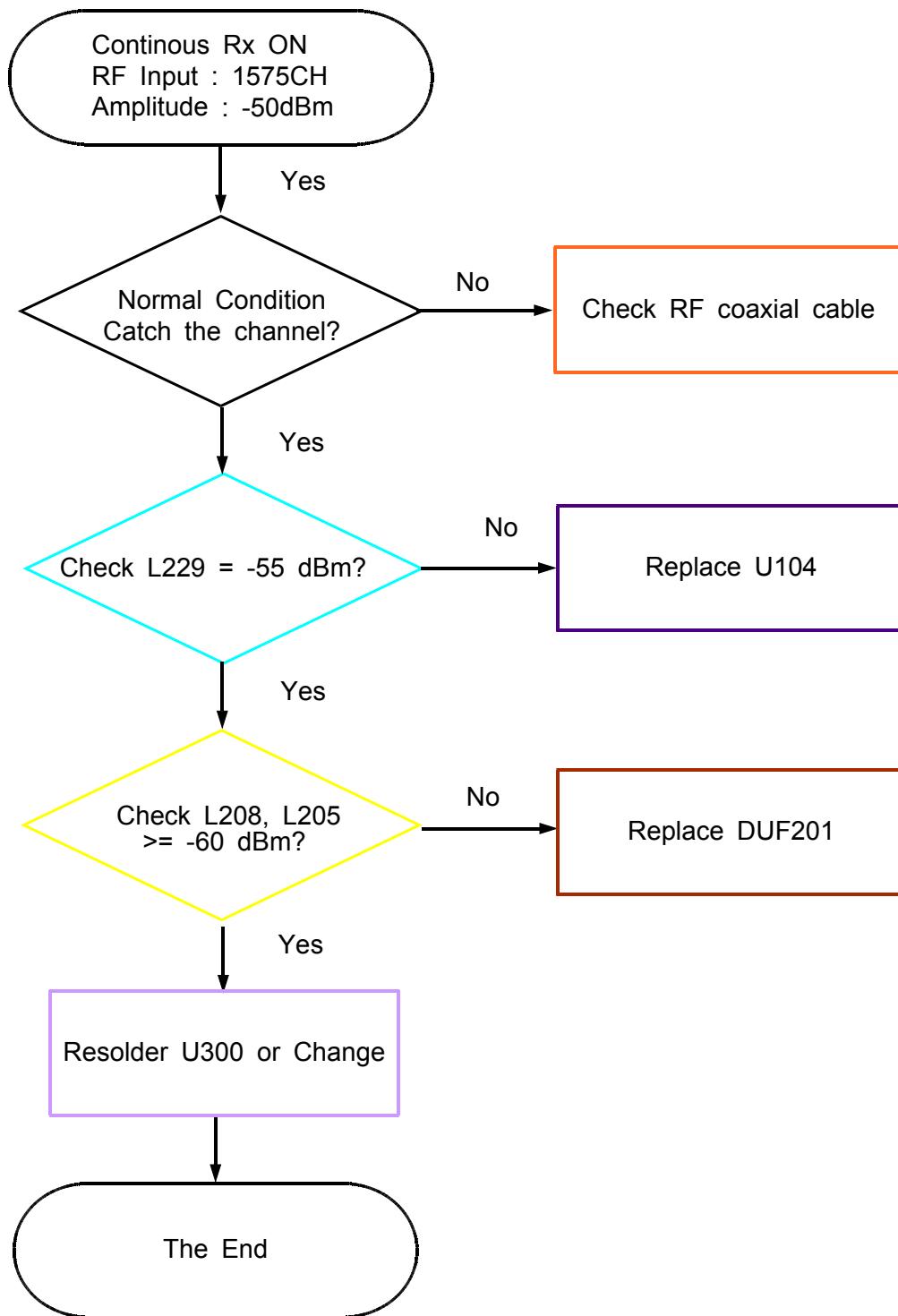
**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.





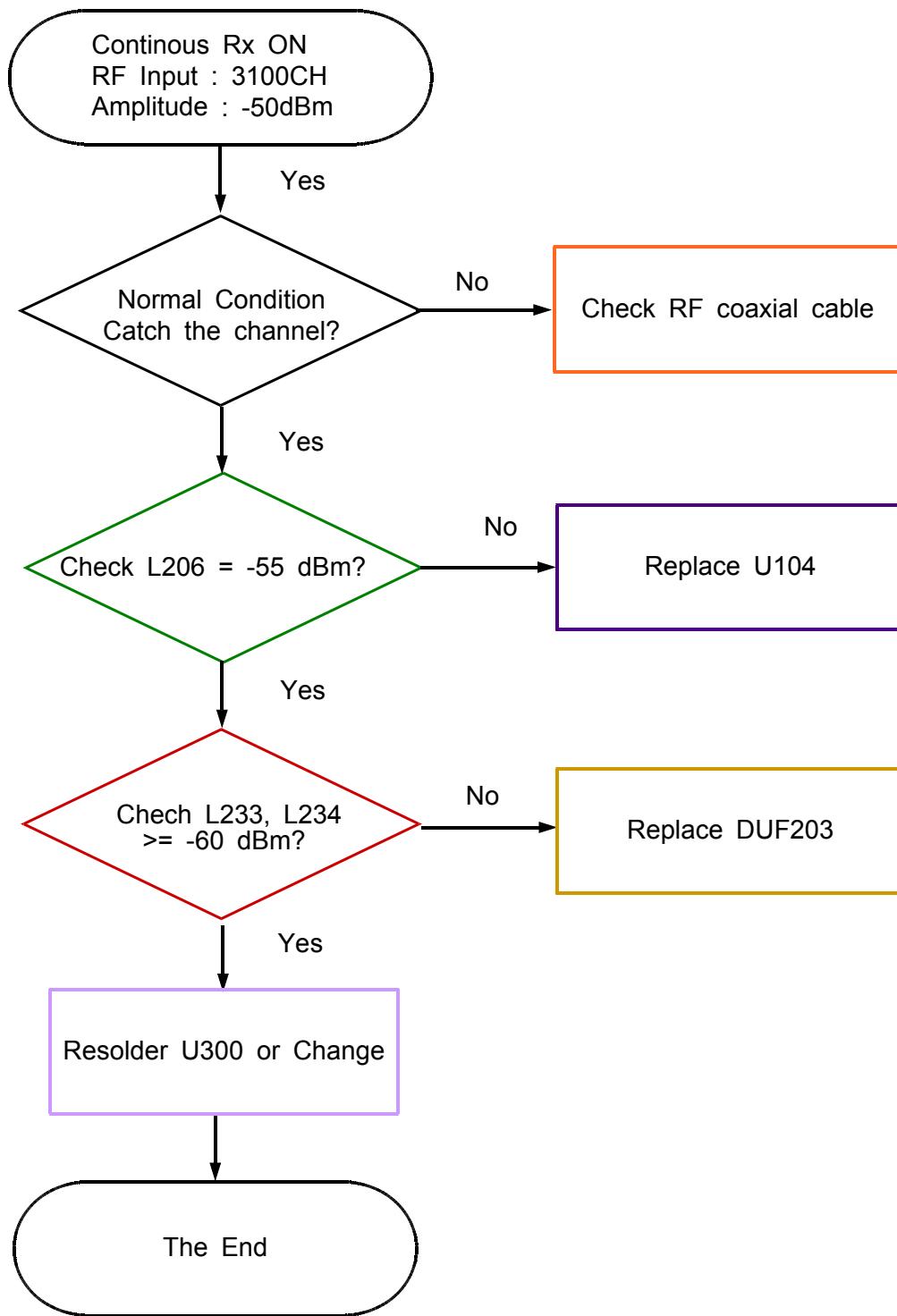
8-4-9. LTE Band3 RX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



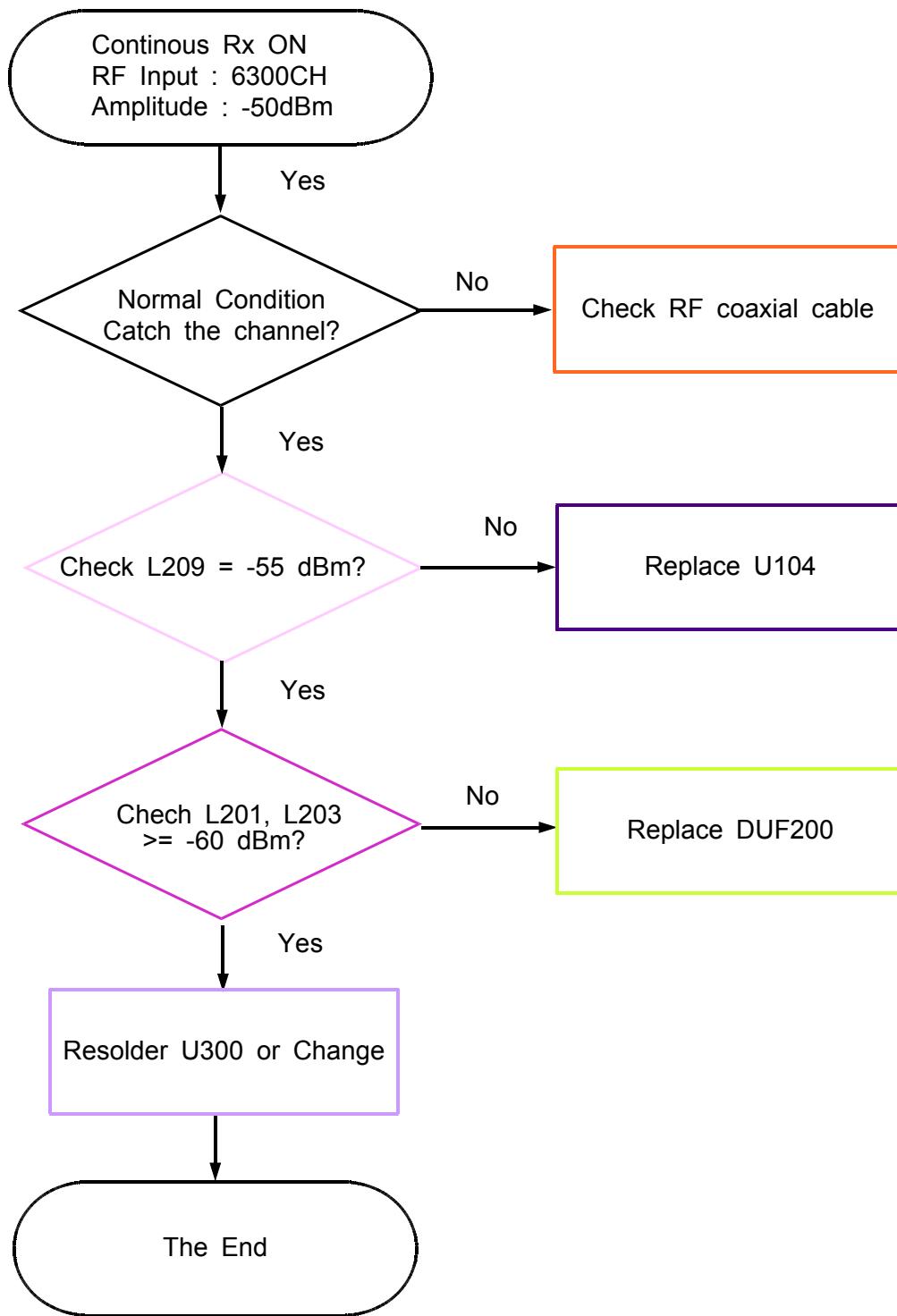
8-4-10. LTE Band7 RX

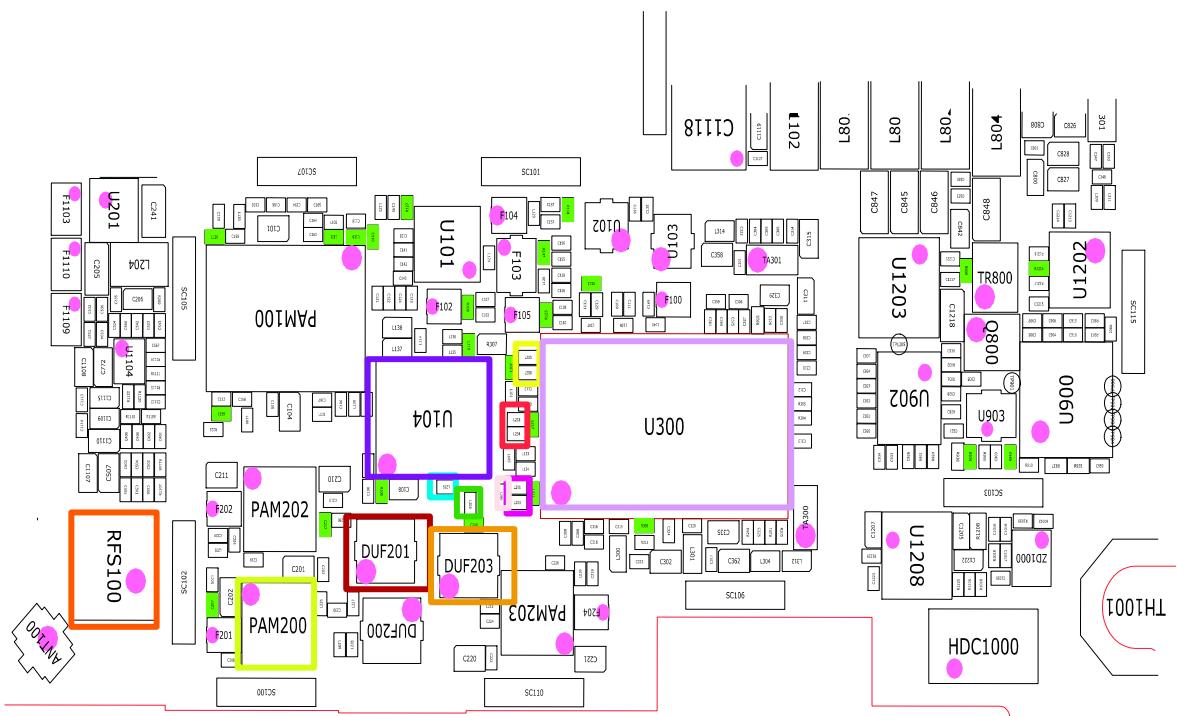
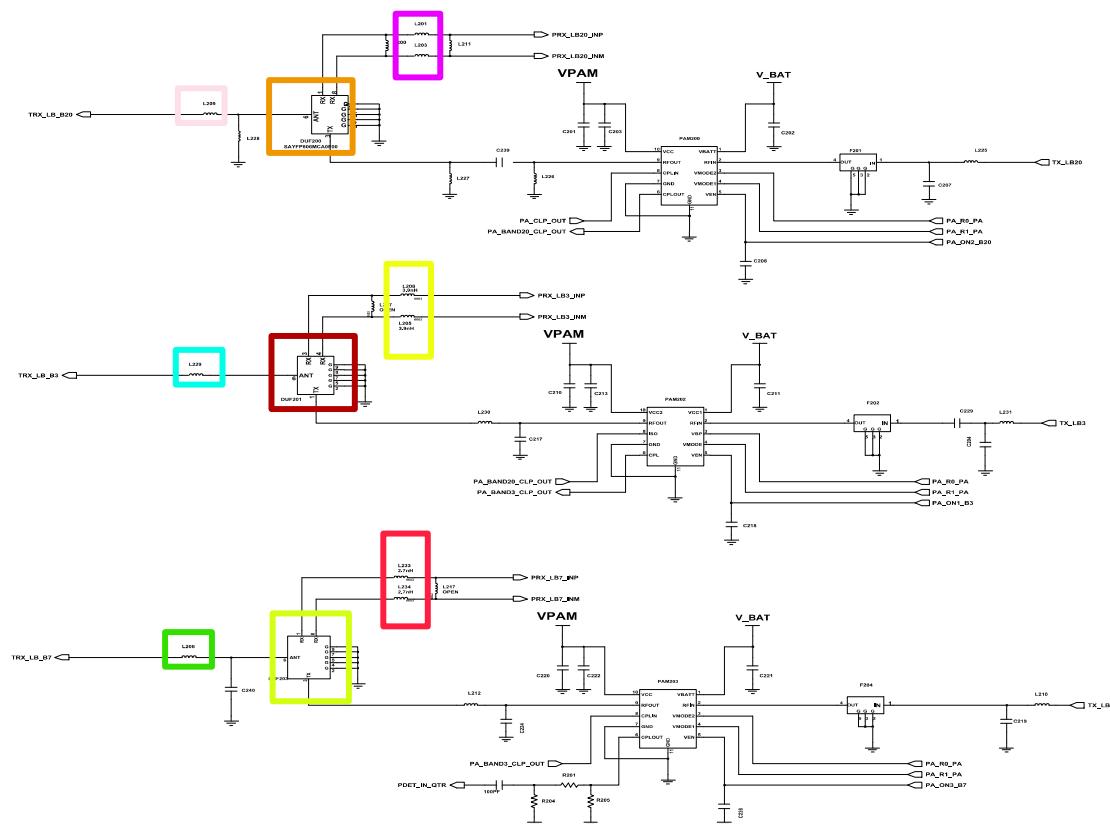
**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



8-4-11. LTE Band20 RX

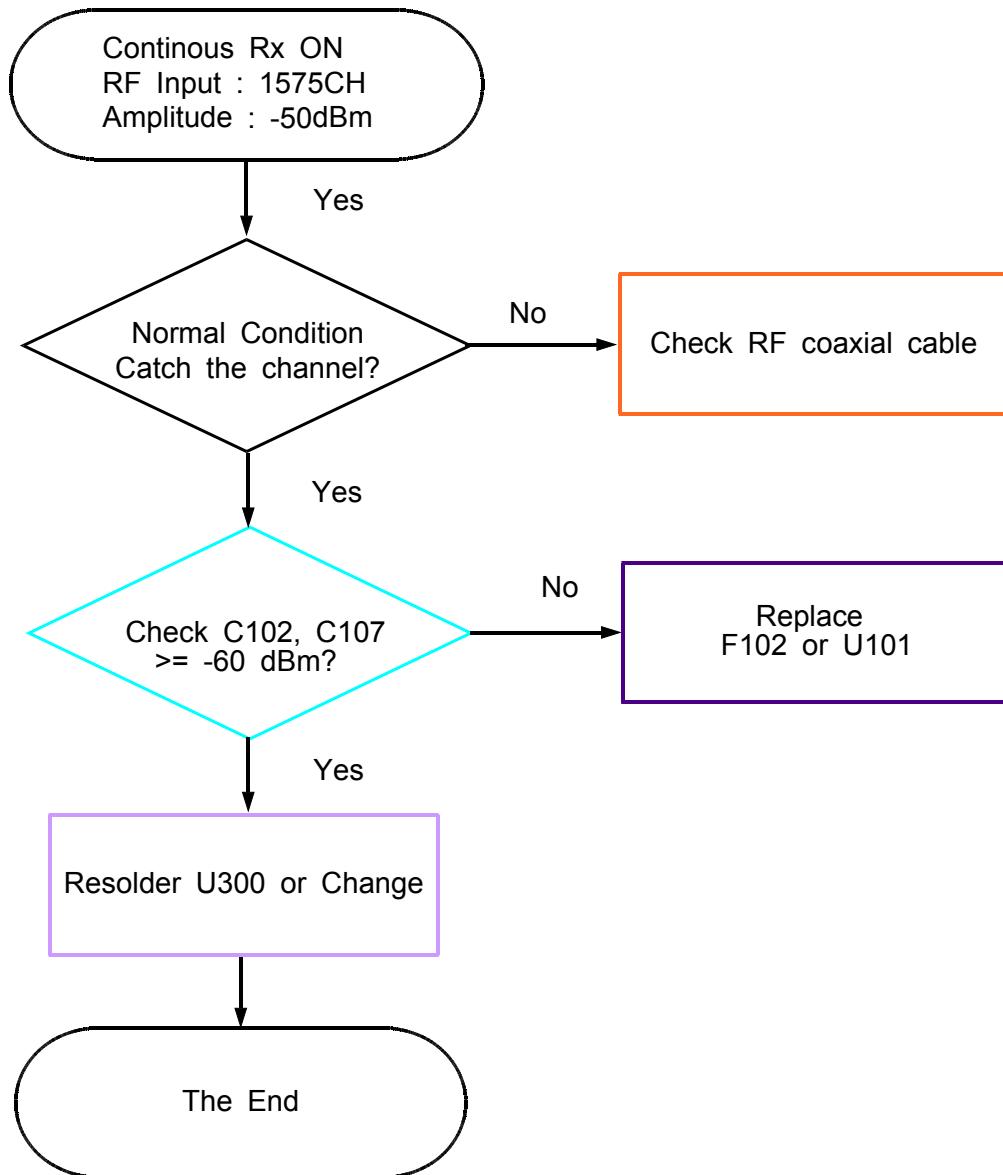
**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.





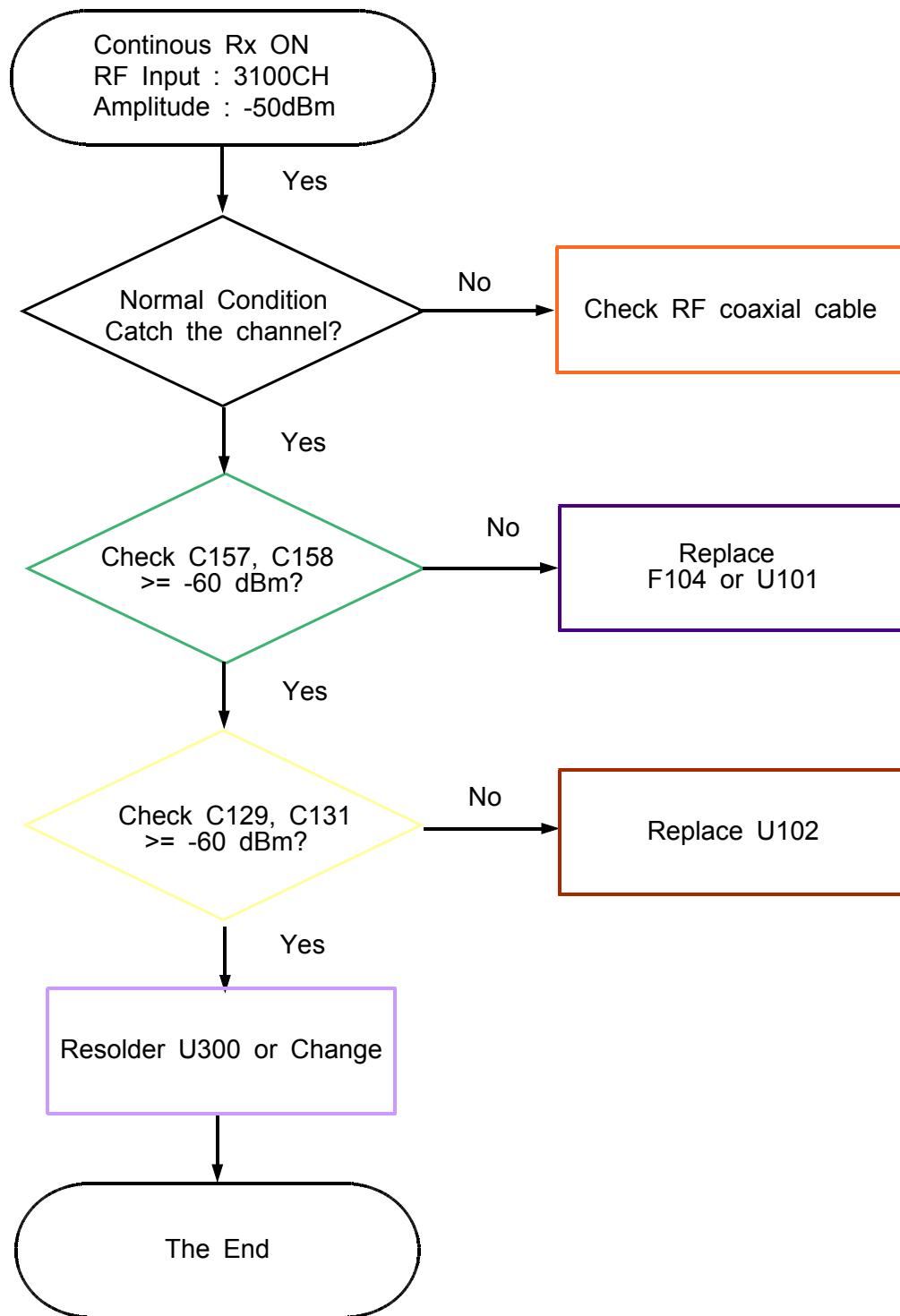
8-4-12. LTE Band3 DRX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



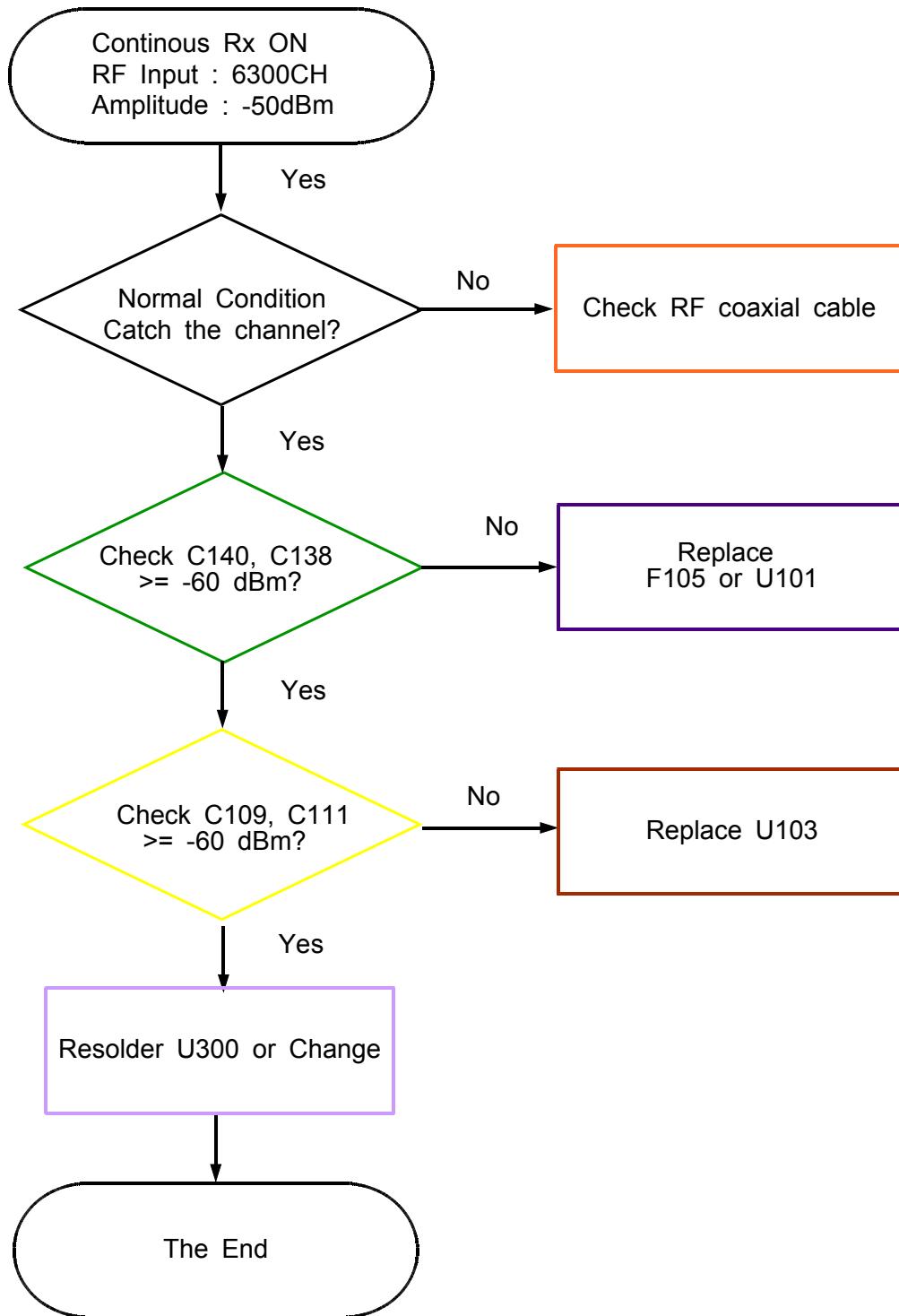
8-4-13. LTE Band7 DRX

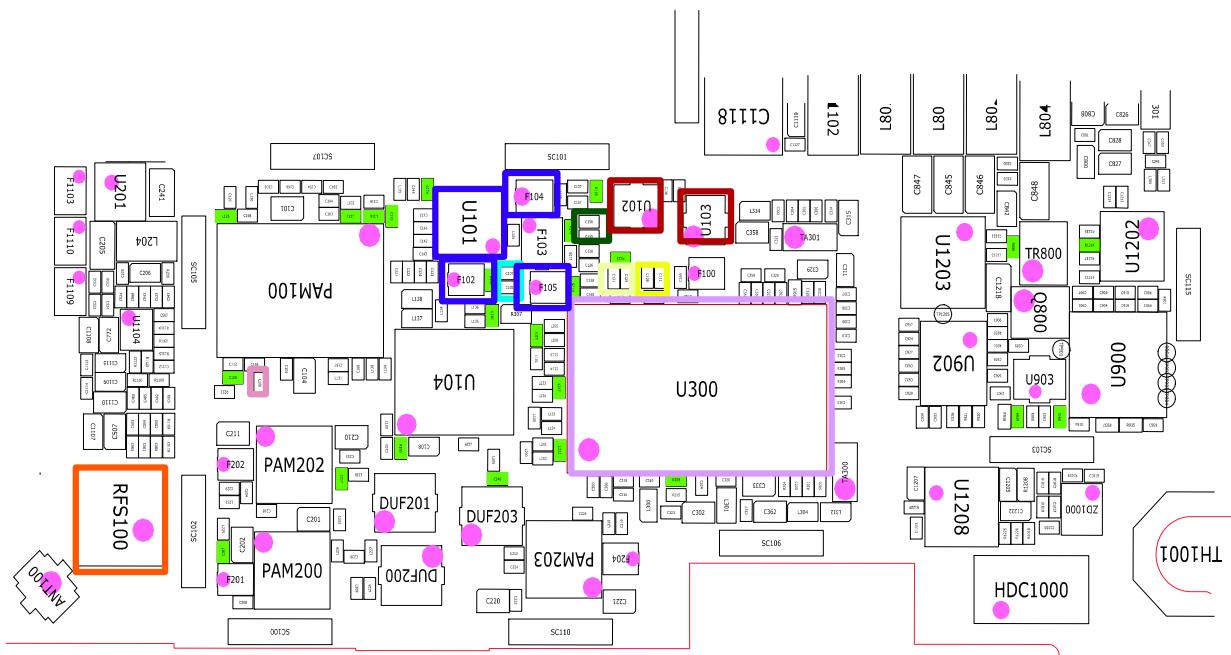
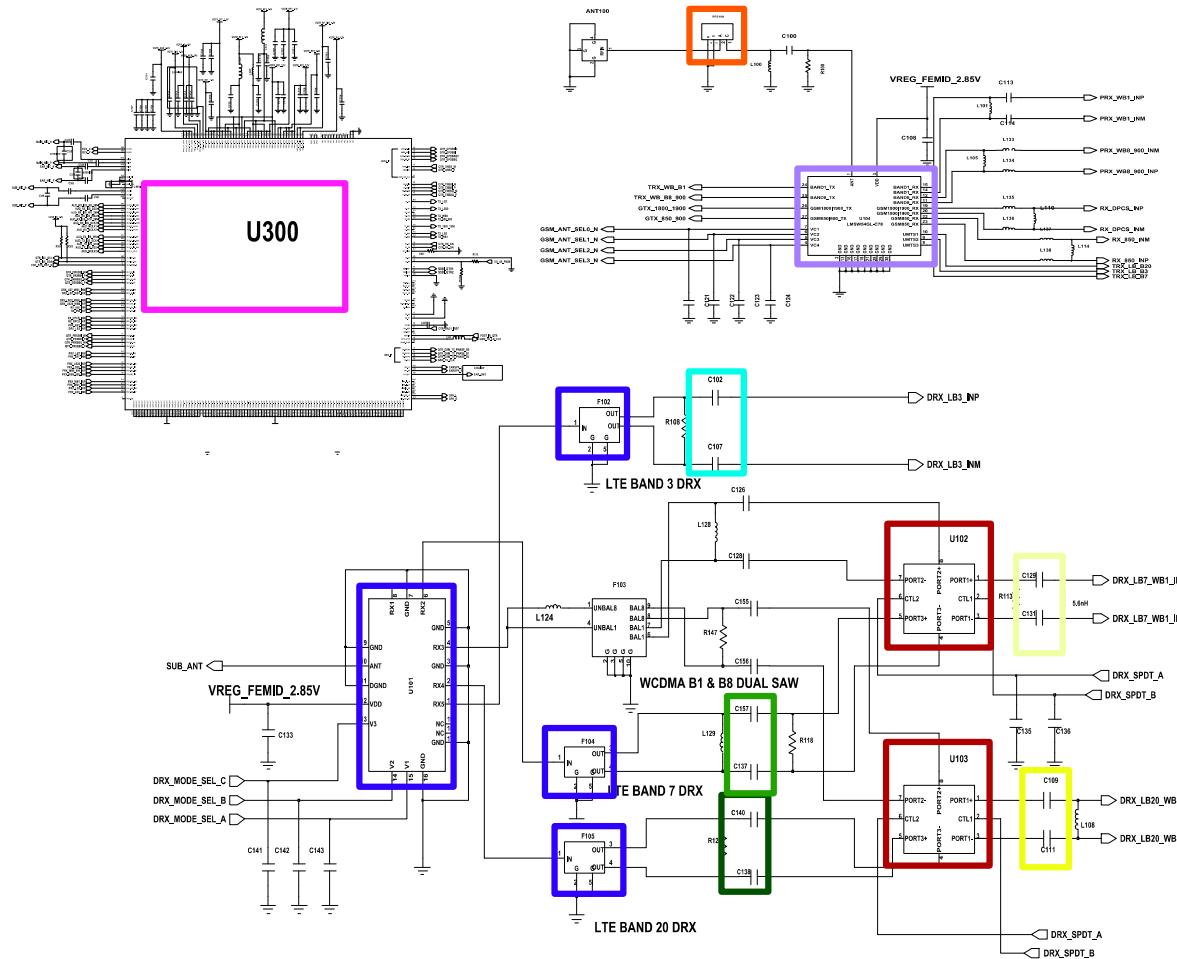
**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



8-4-13. LTE Band20 DRX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.

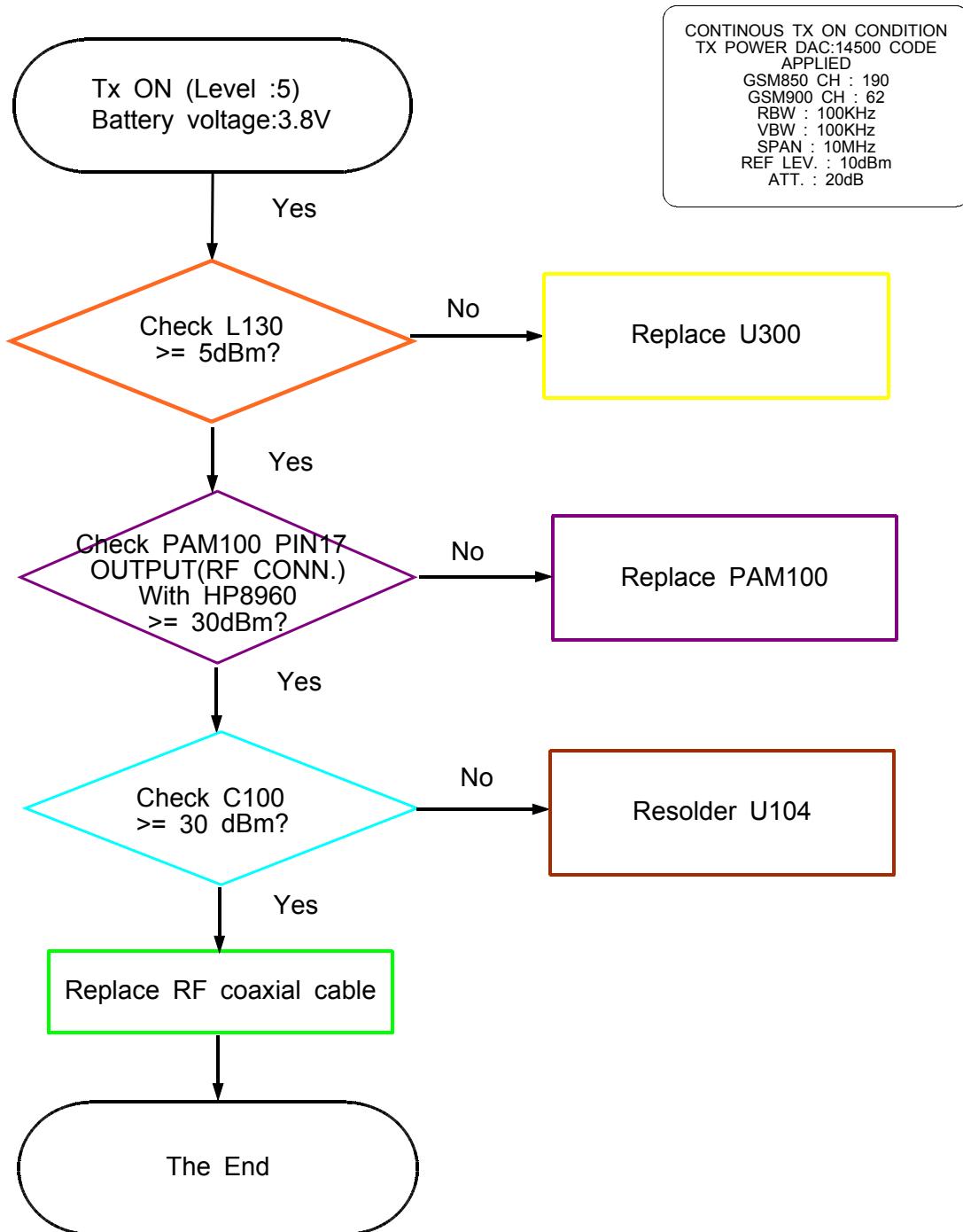




8-4-13. GSM850/900 TX

**If you check the tx chain,

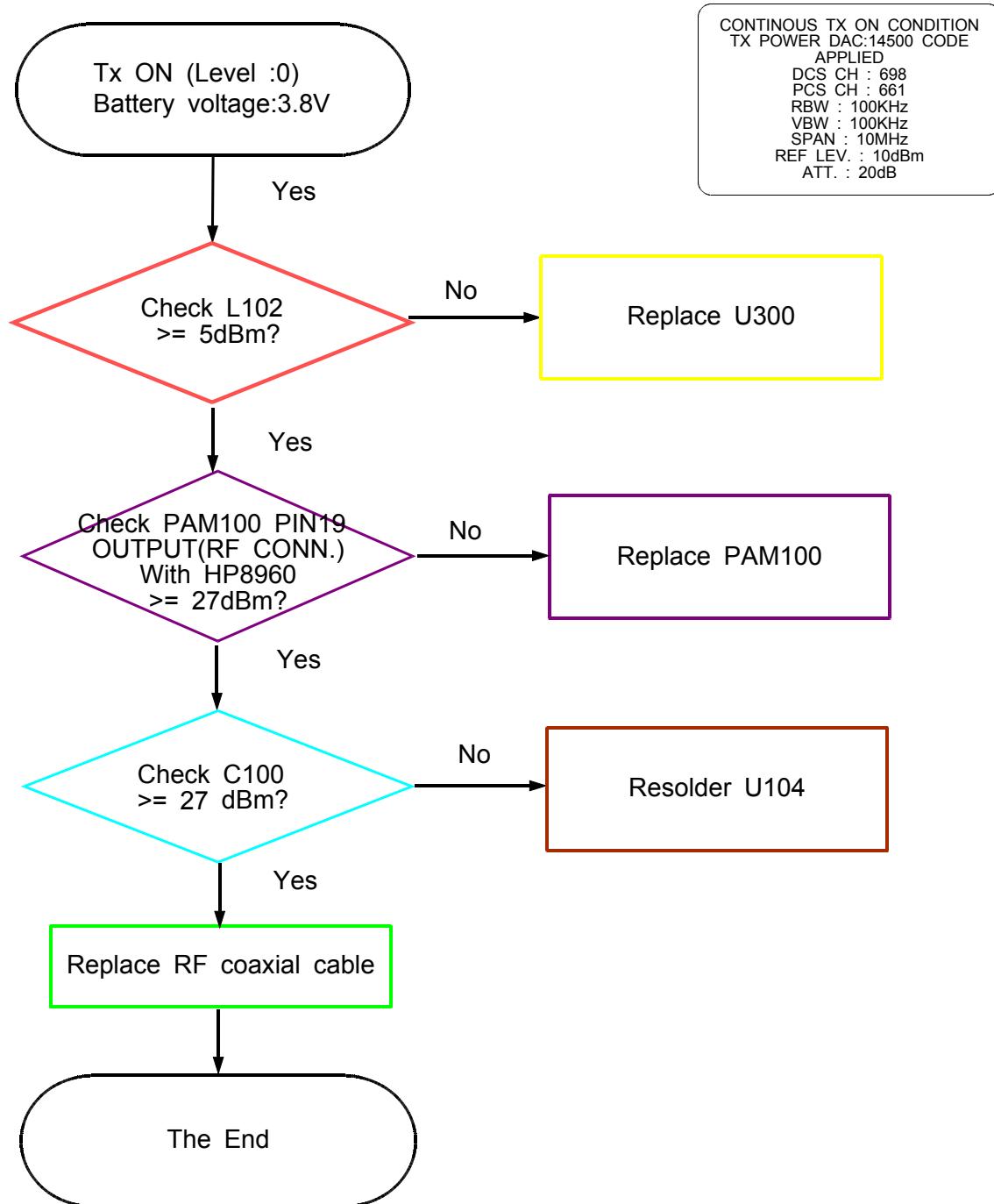
Check the not only RF Device but also resistor, inductor and capacitor.

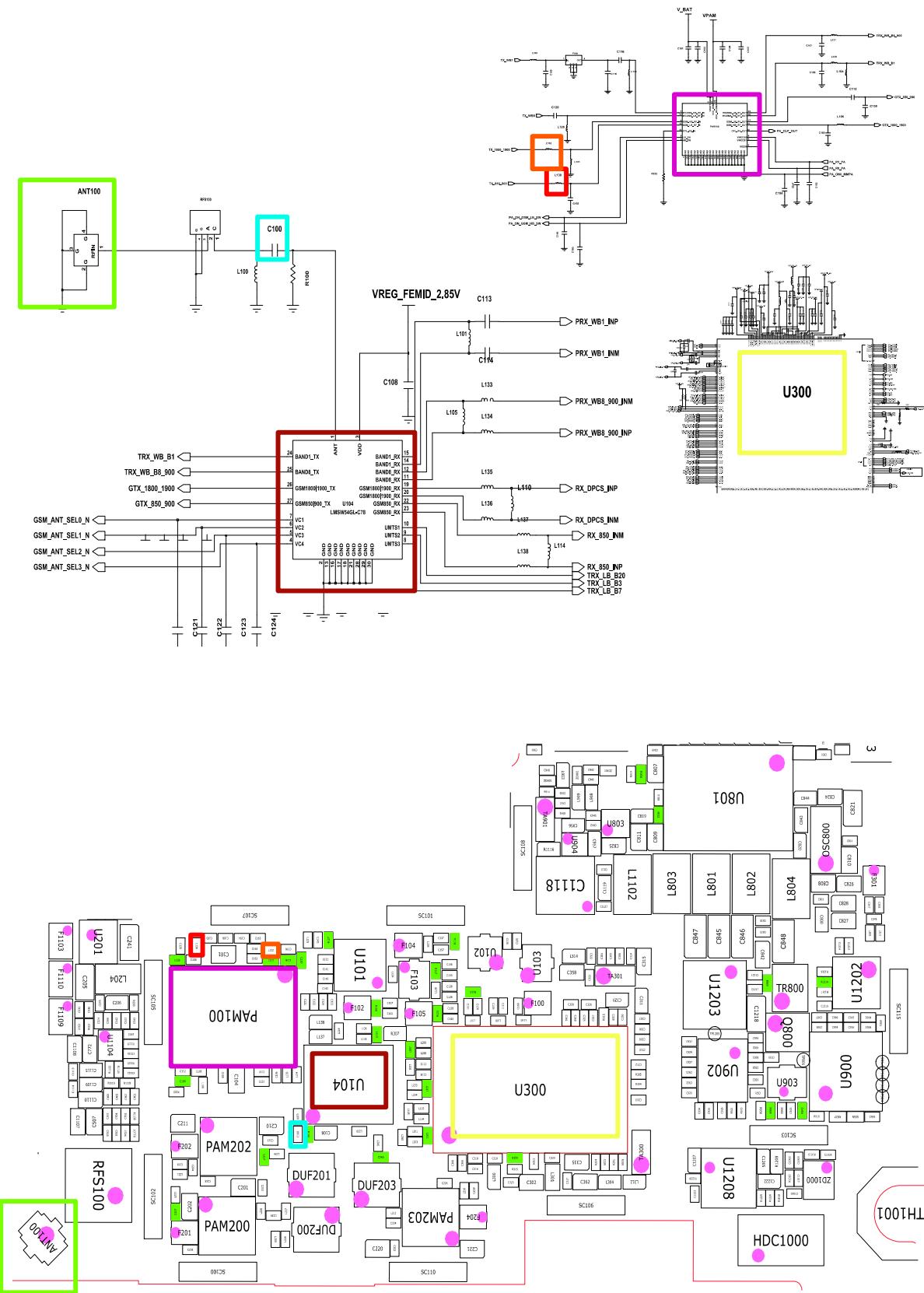


8-4-14. DCS/PCS TX

**If you check the tx chain,

Check the not only RF Device but also resistor, inductor and capacitor.

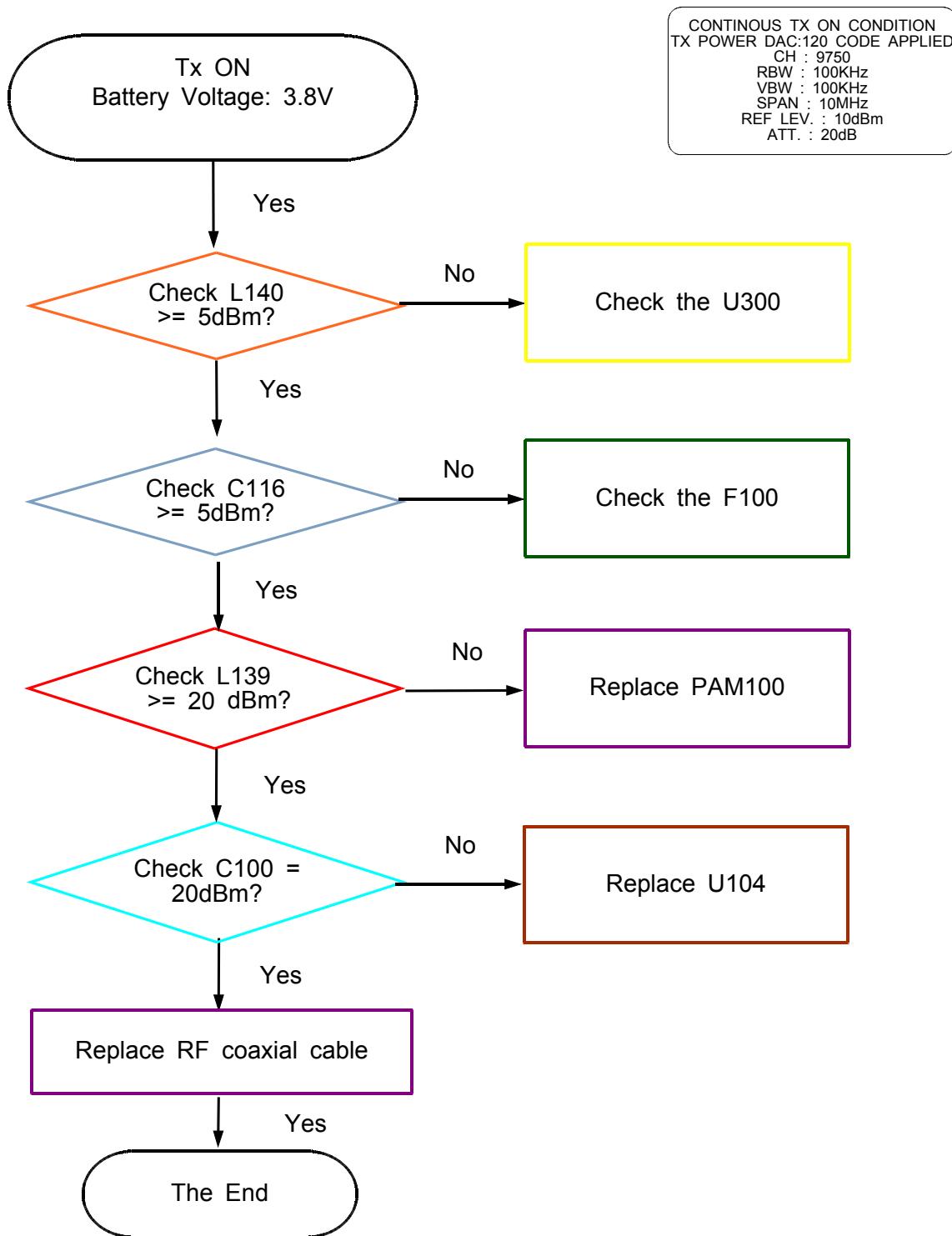




8-4-15. WCDMA Band1 TX

**If you check the tx chain,

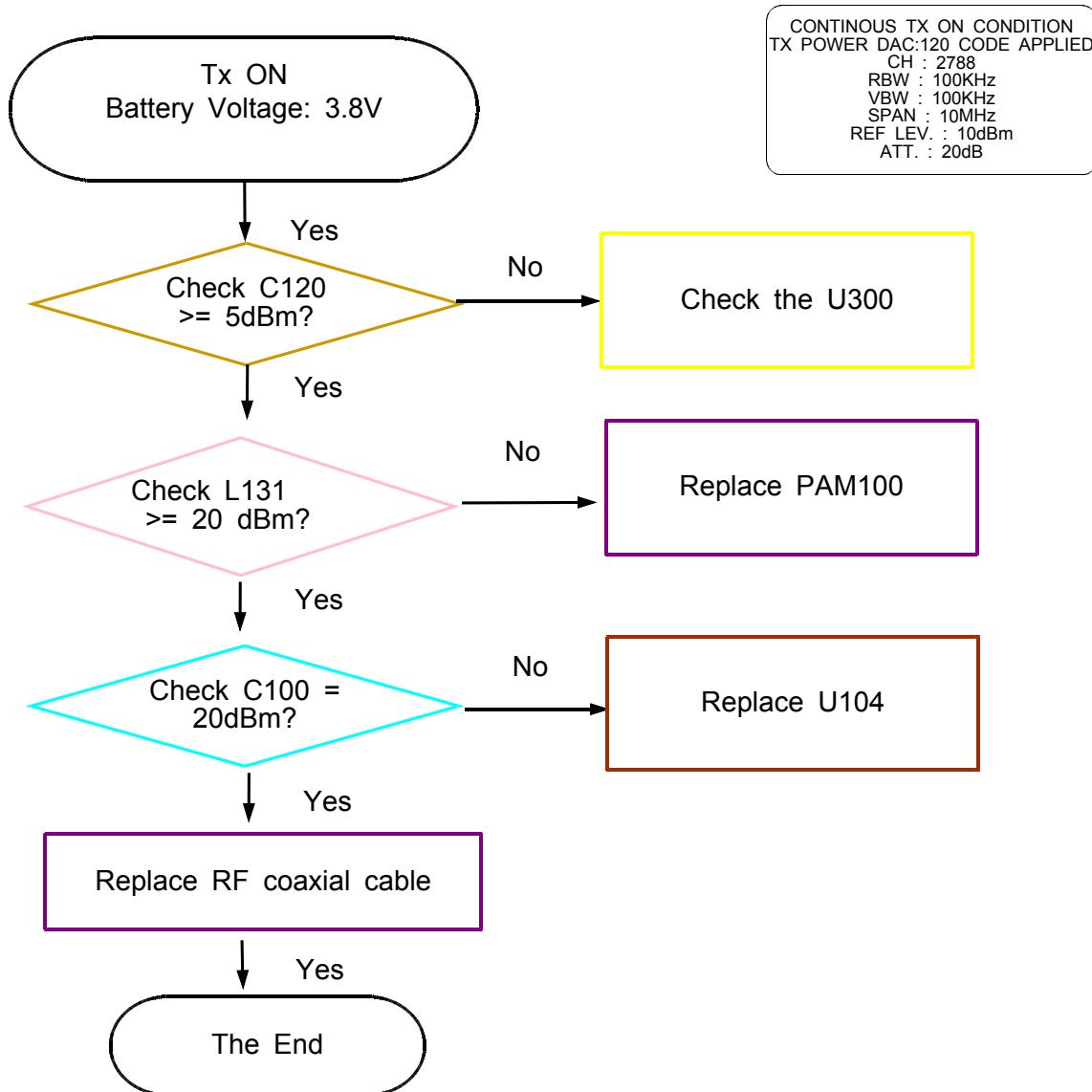
Check the not only RF Device but also resistor, inductor and capacitor.

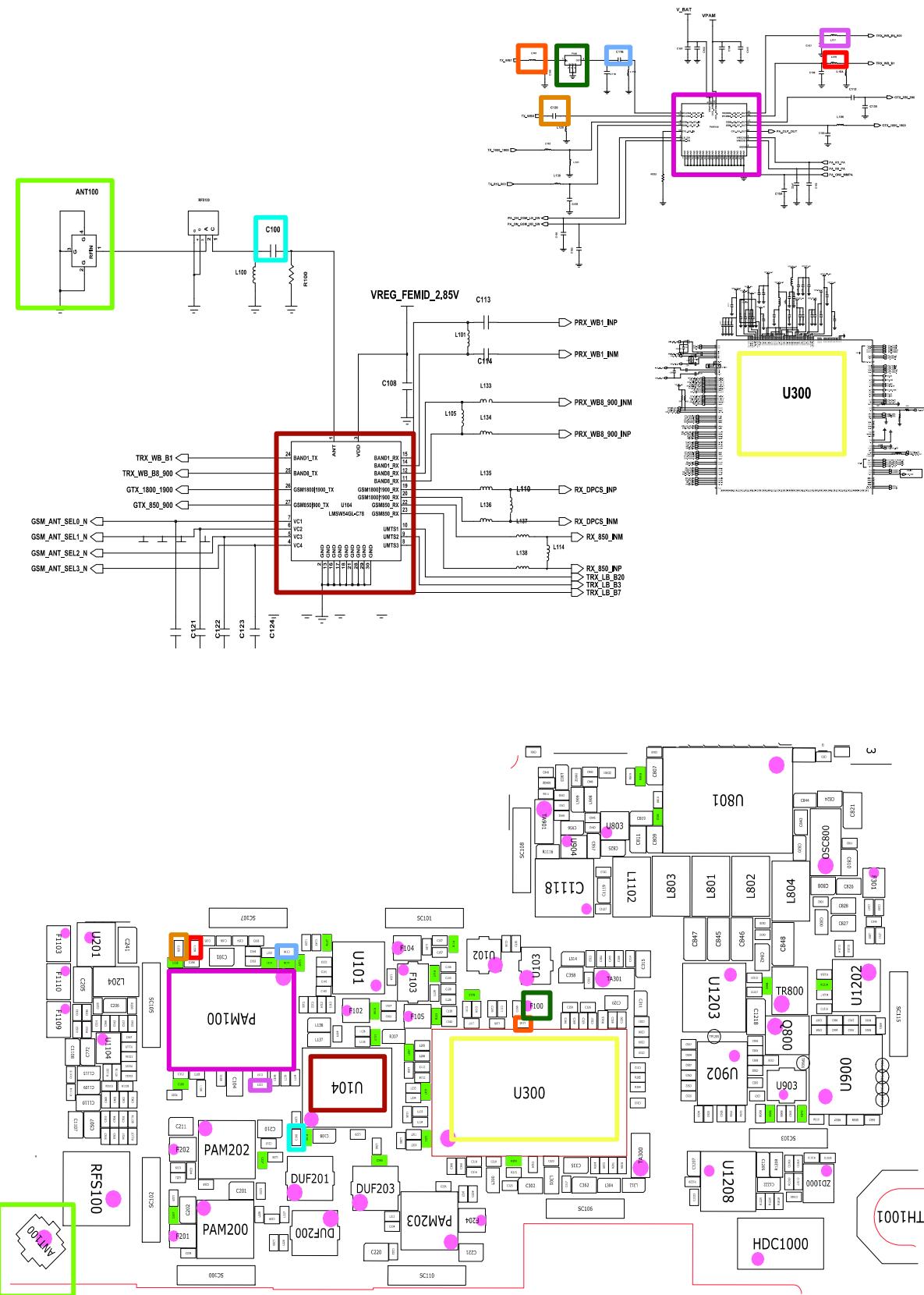


8-4-16. WCDMA Band8 TX

**If you check the tx chain,

Check the not only RF Device but also resistor, inductor and capacitor.

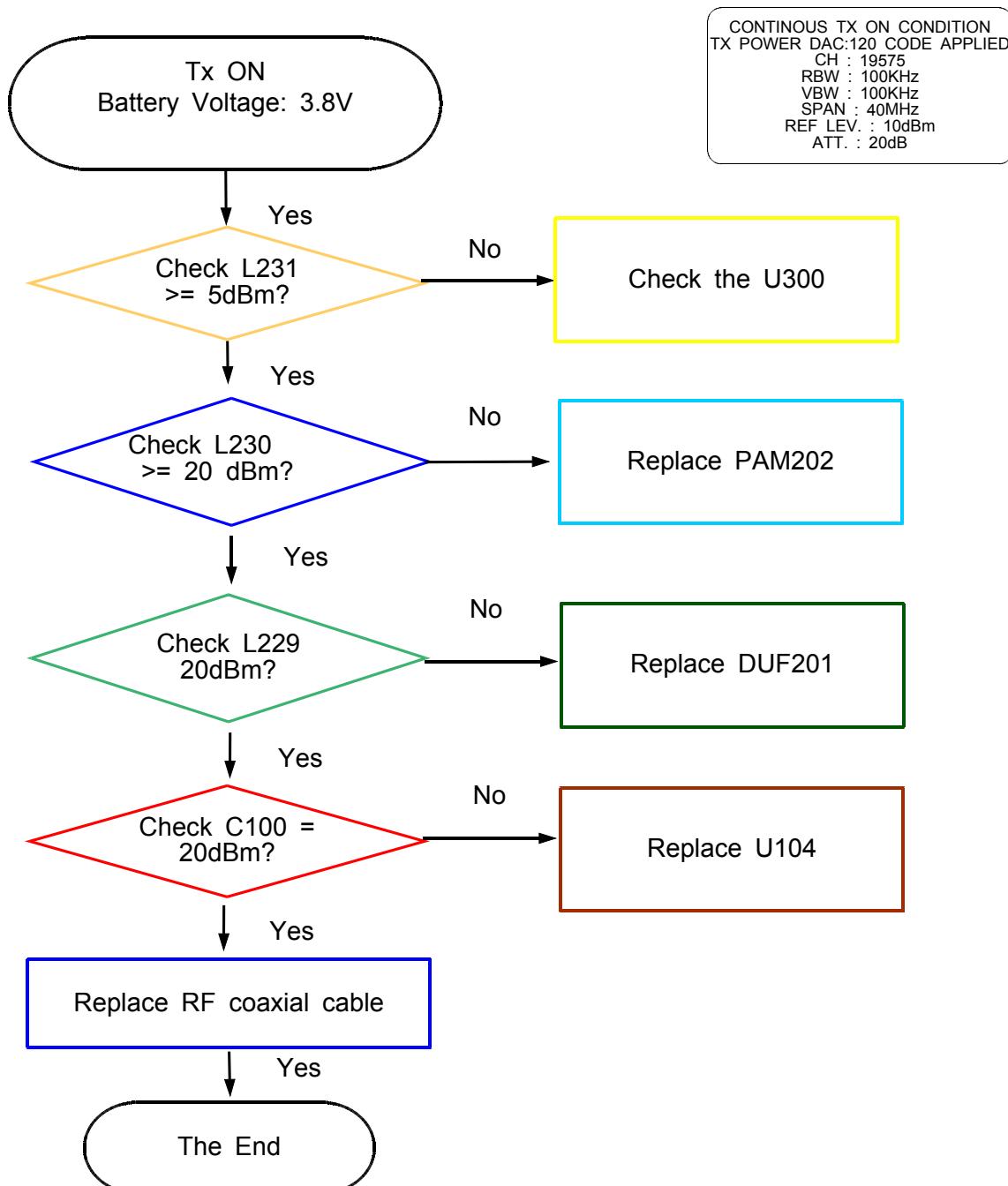




8-4-18. LTE Band3 TX

**If you check the tx chain,

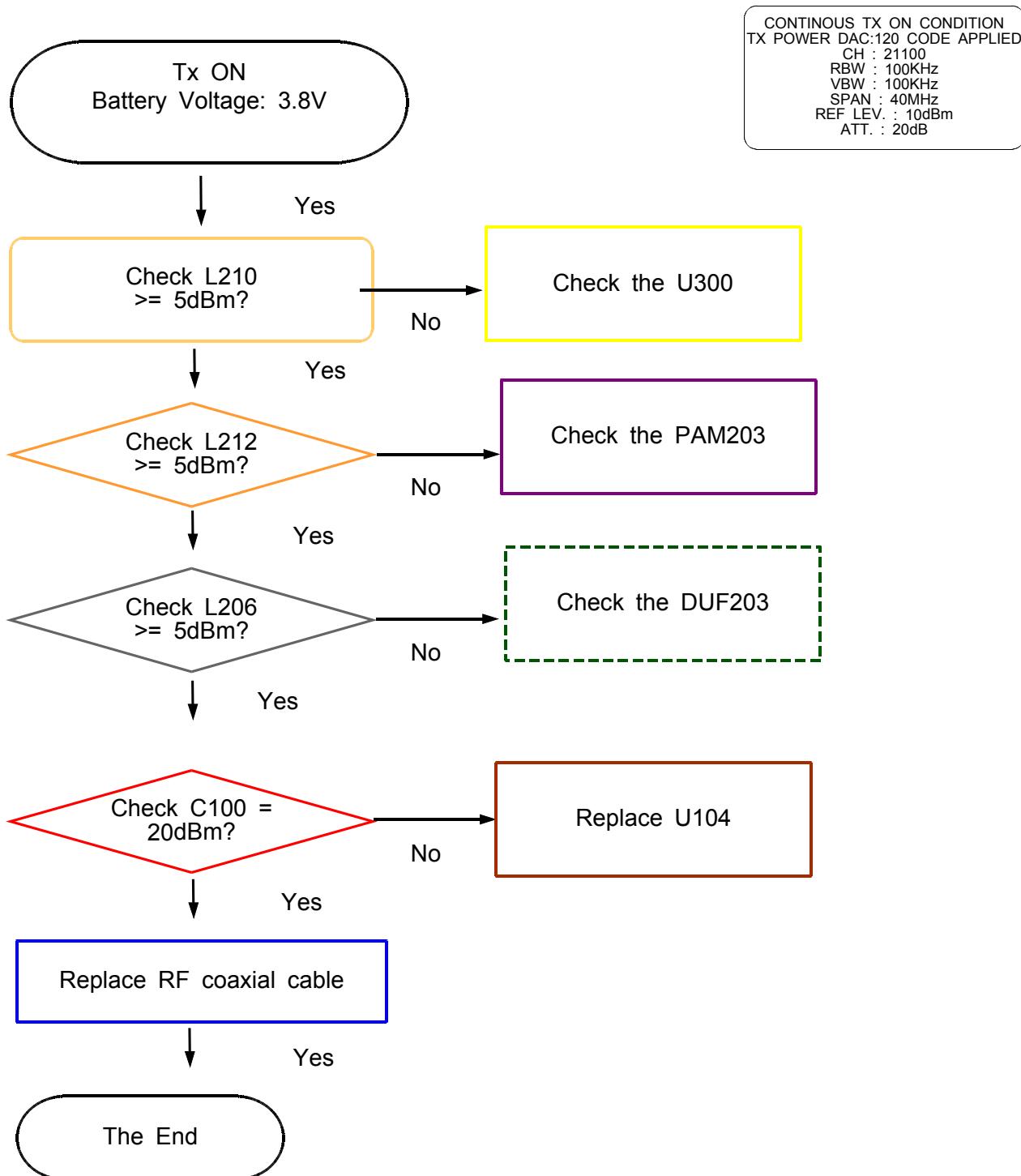
Check the not only RF Device but also resistor, inductor and capacitor.



8-4-18. LTE Band7 TX

**If you check the tx chain,

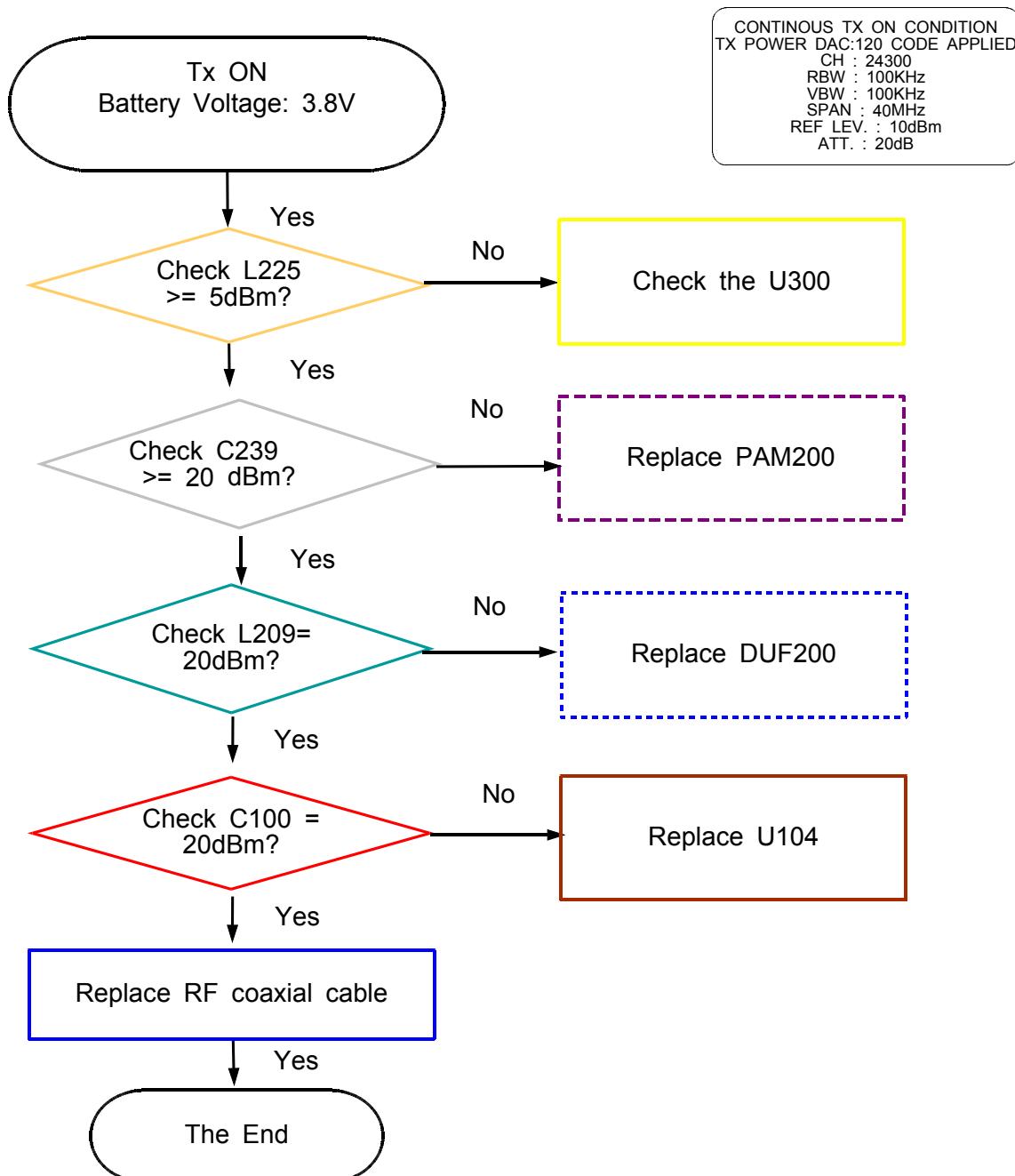
Check the not only RF Device but also resistor, inductor and capacitor.

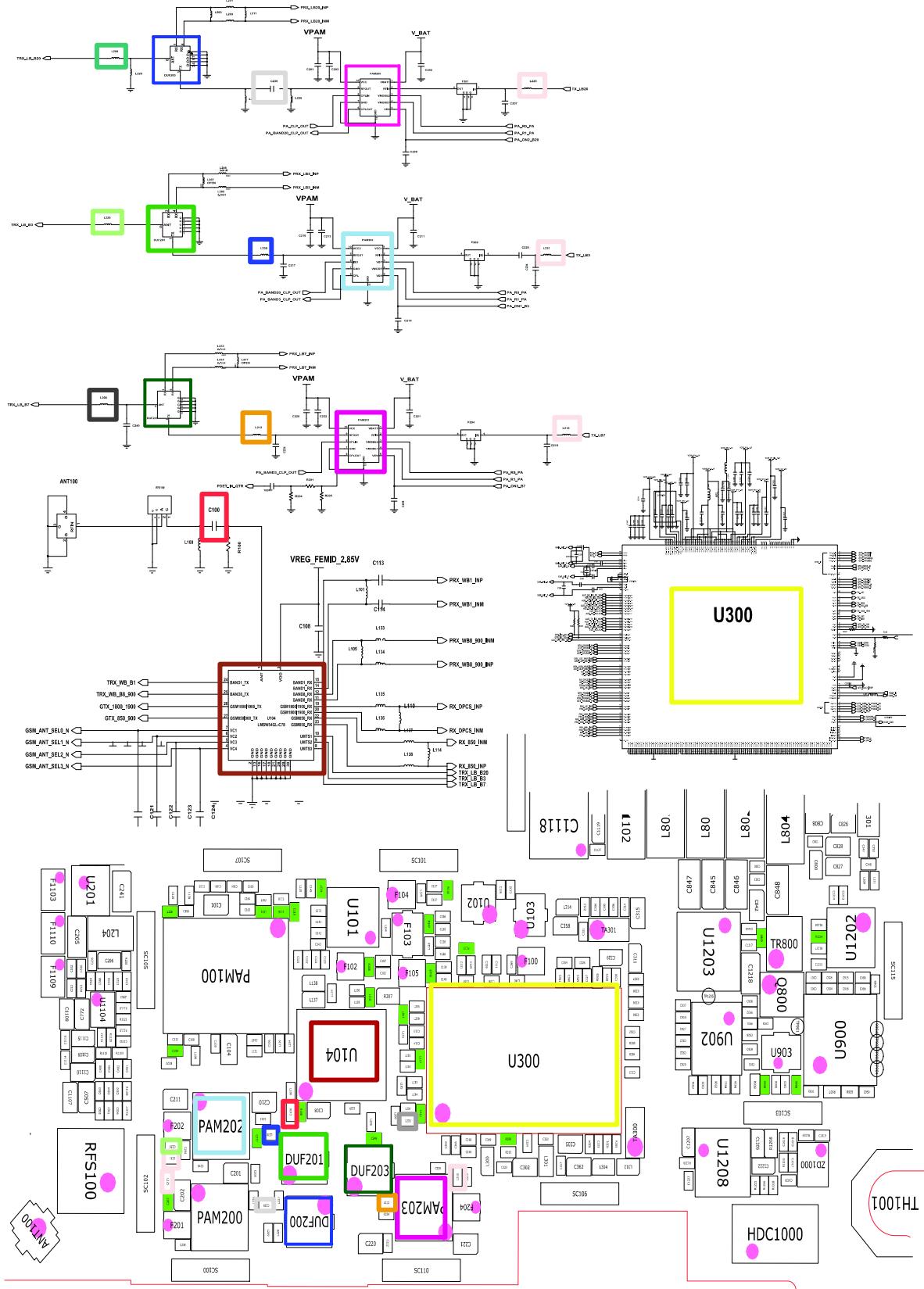


8-4-19. LTE Band20 TX

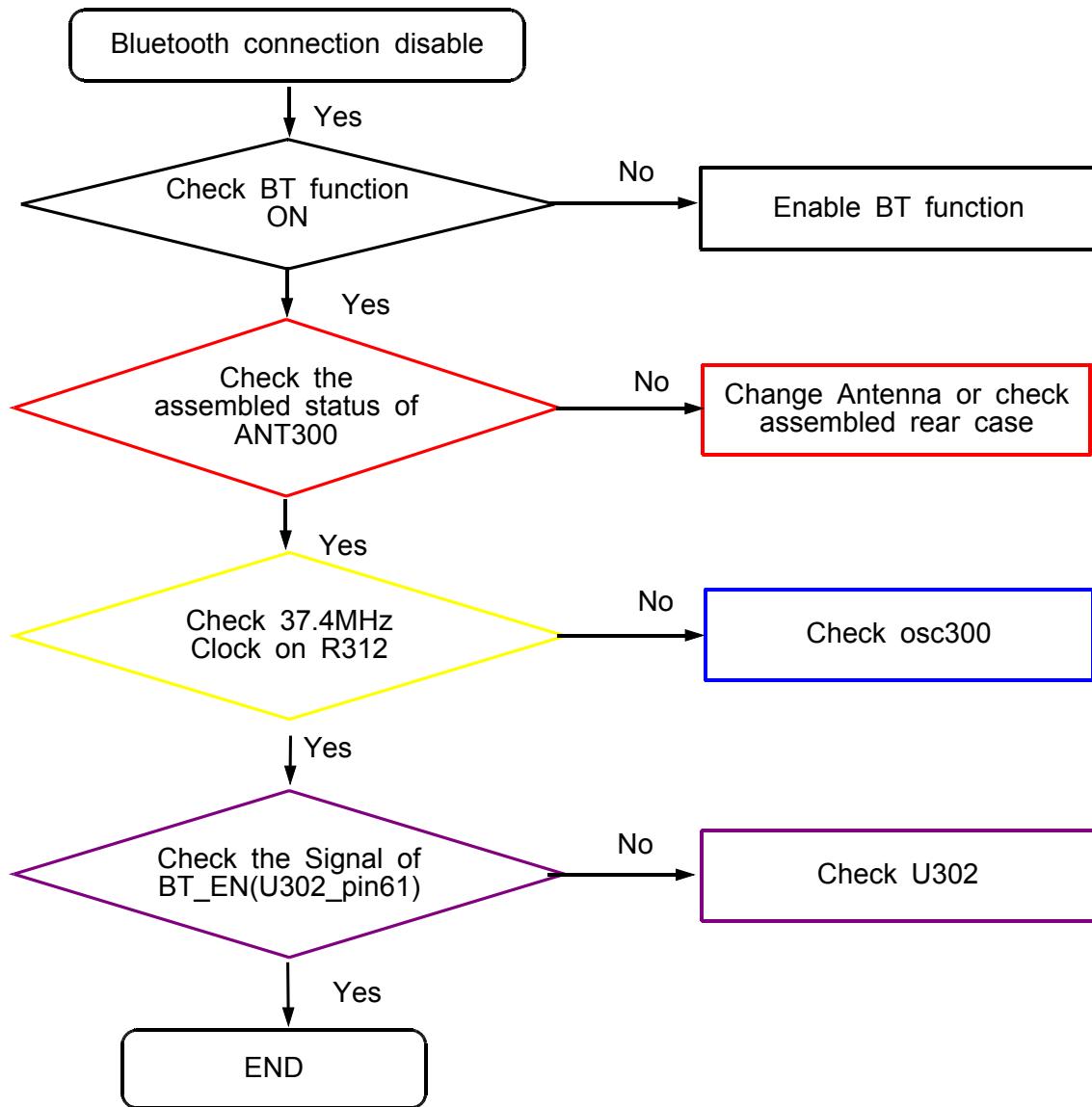
**If you check the tx chain,

Check the not only RF Device but also resistor, inductor and capacitor.

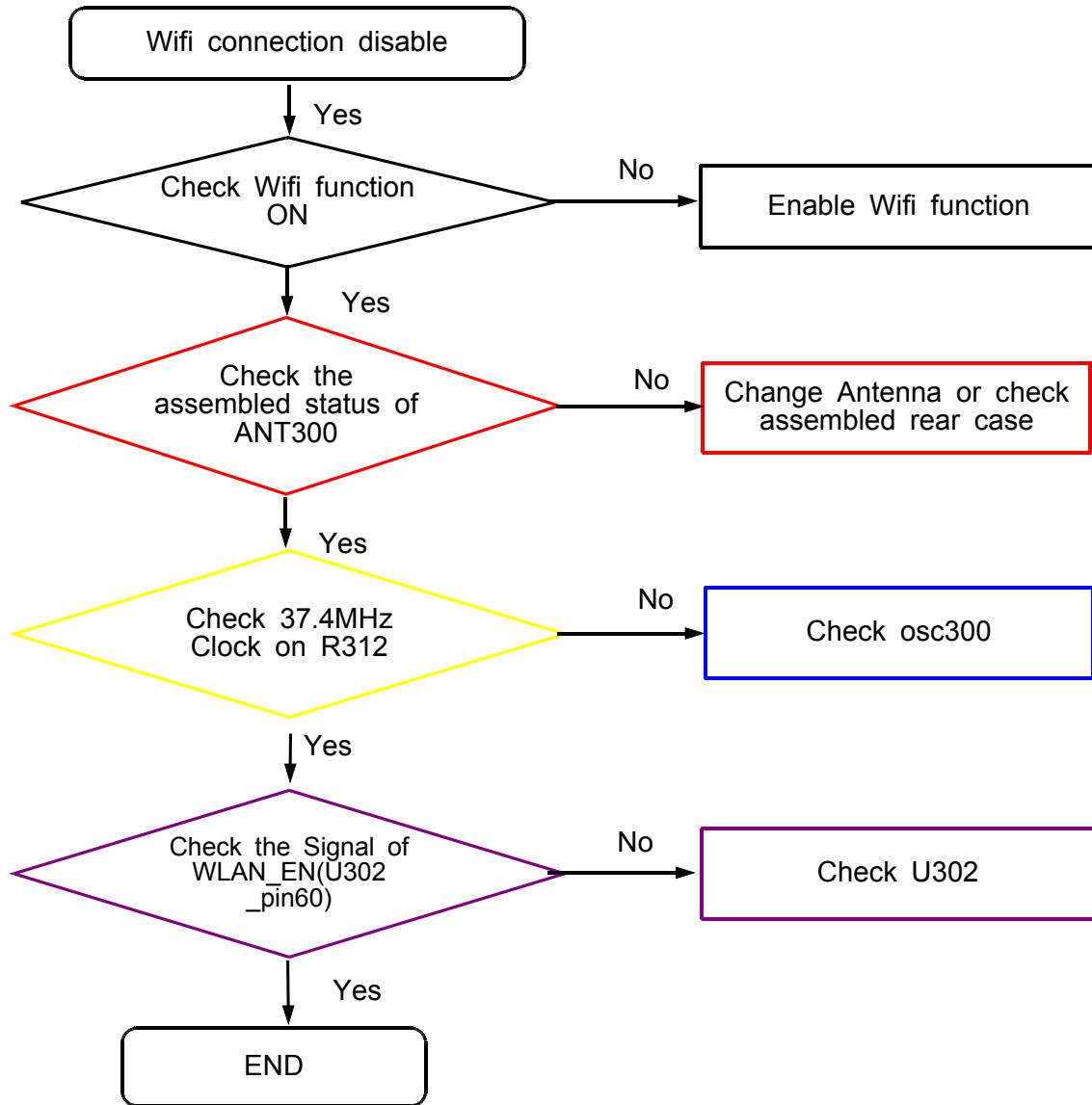


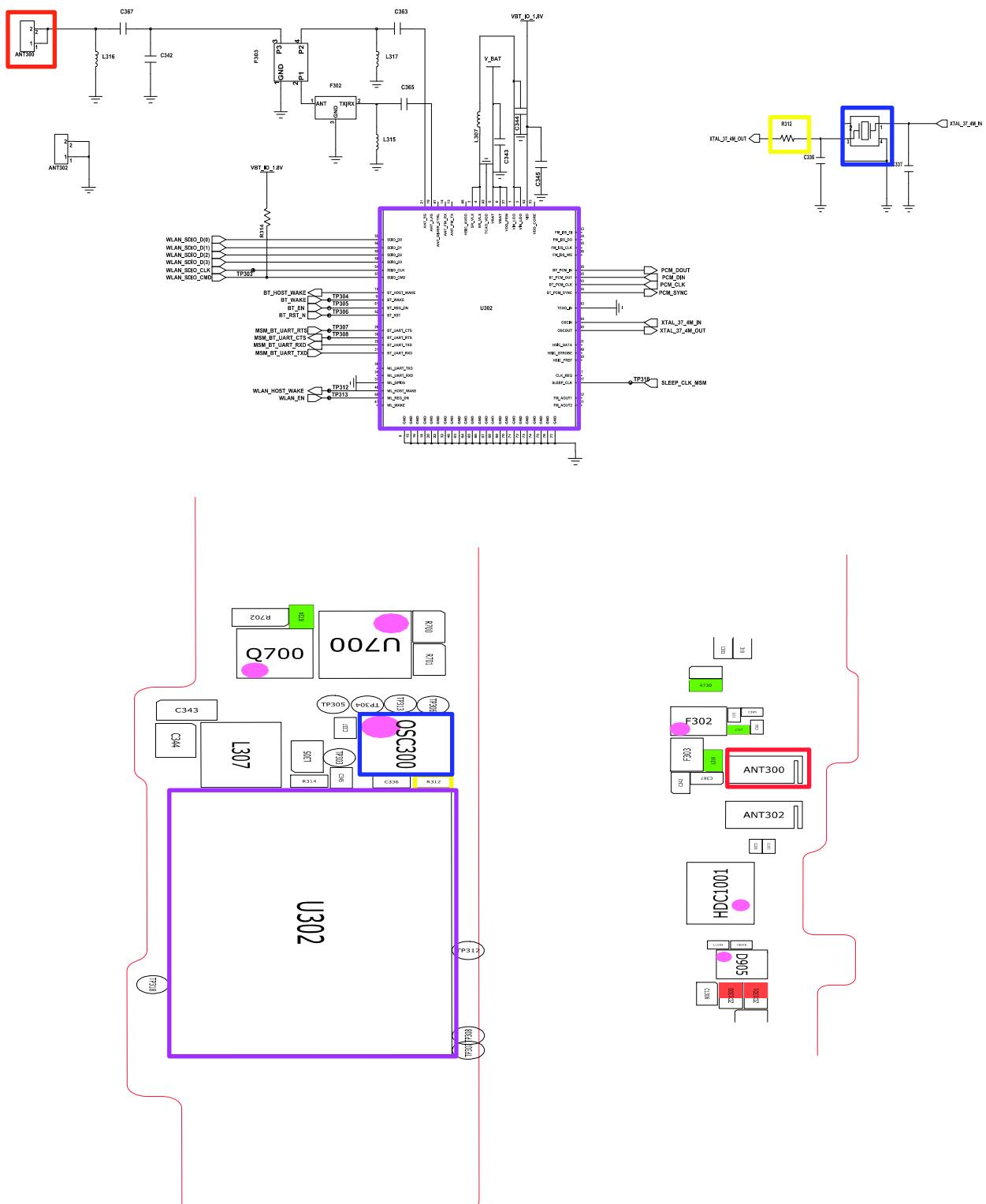


8-4-20. BLUETOOTH

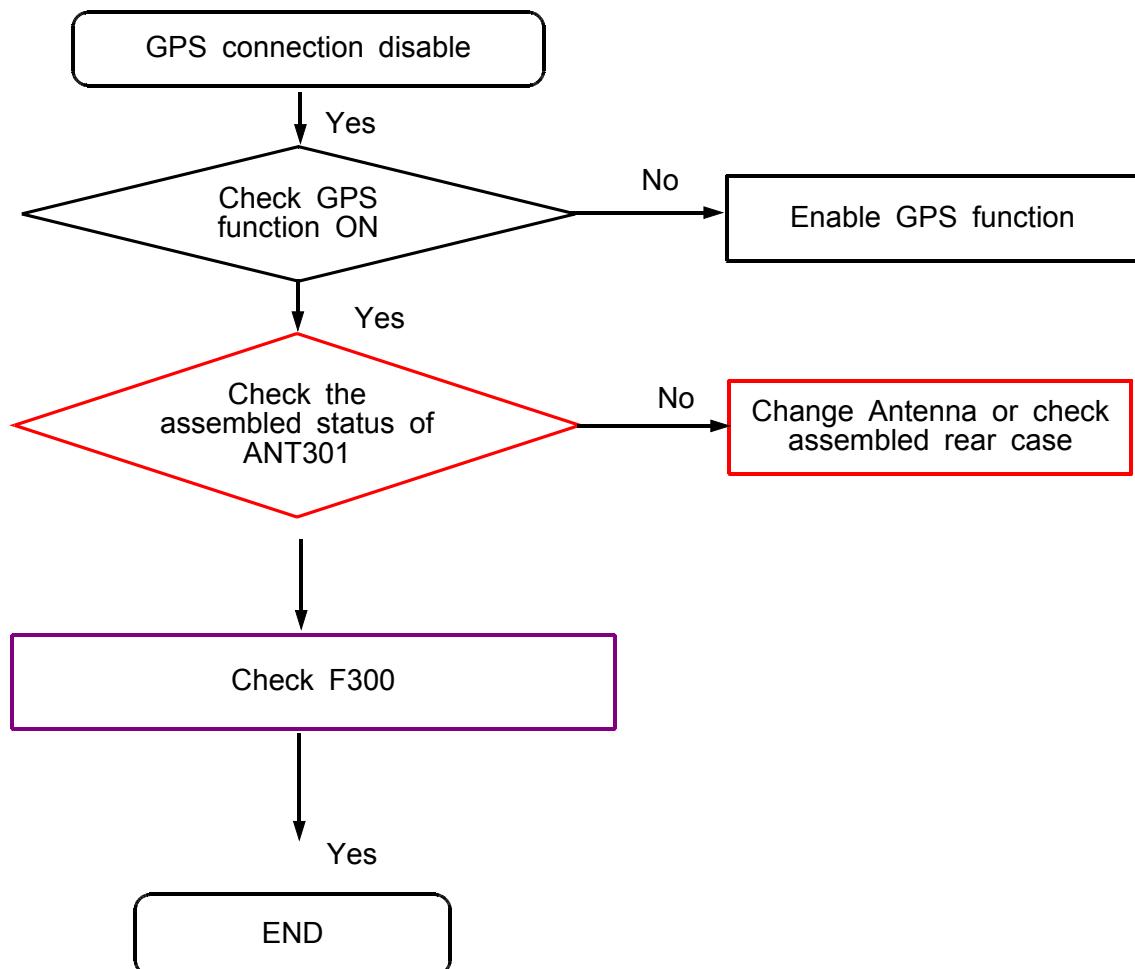


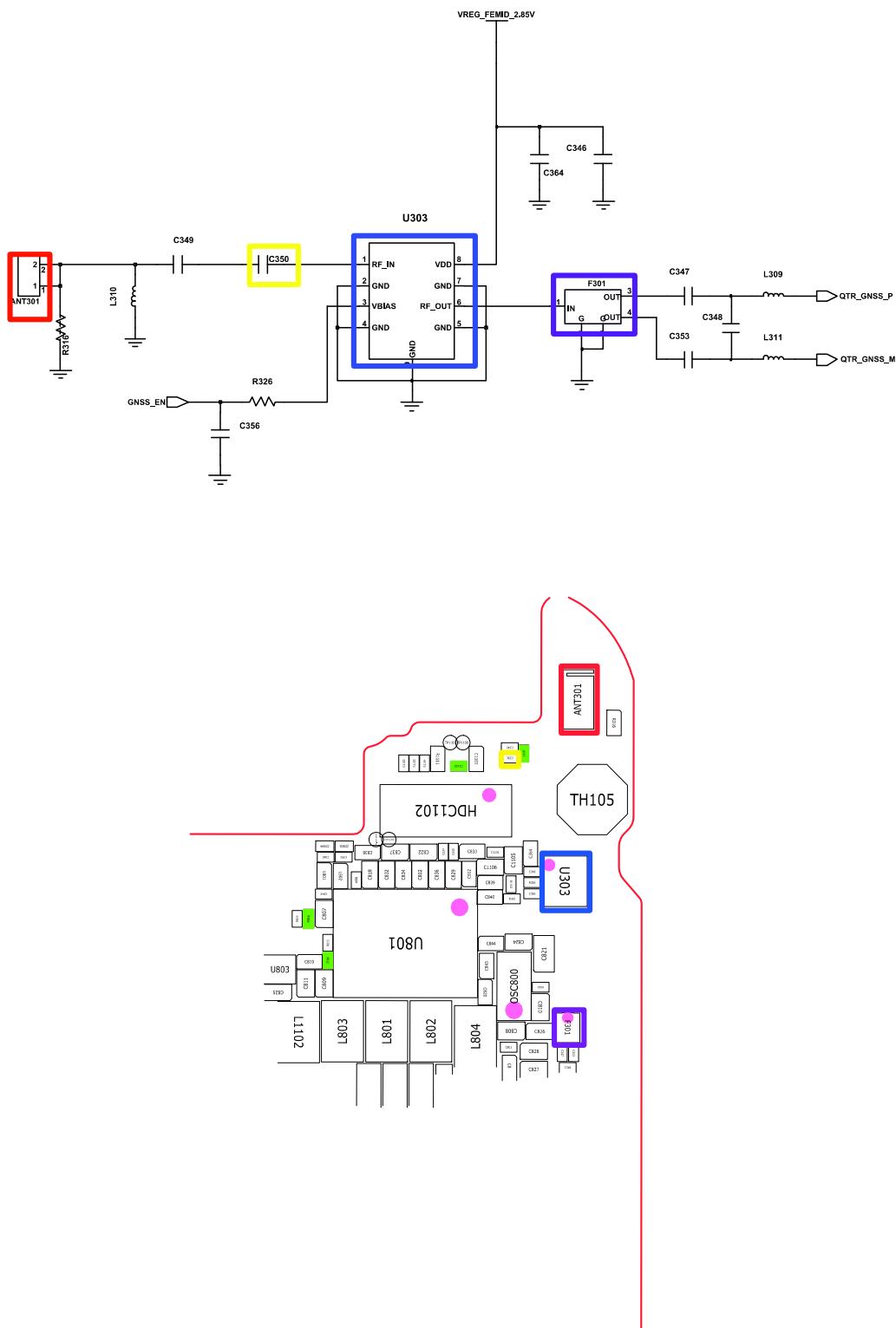
8-4-21. Wifi



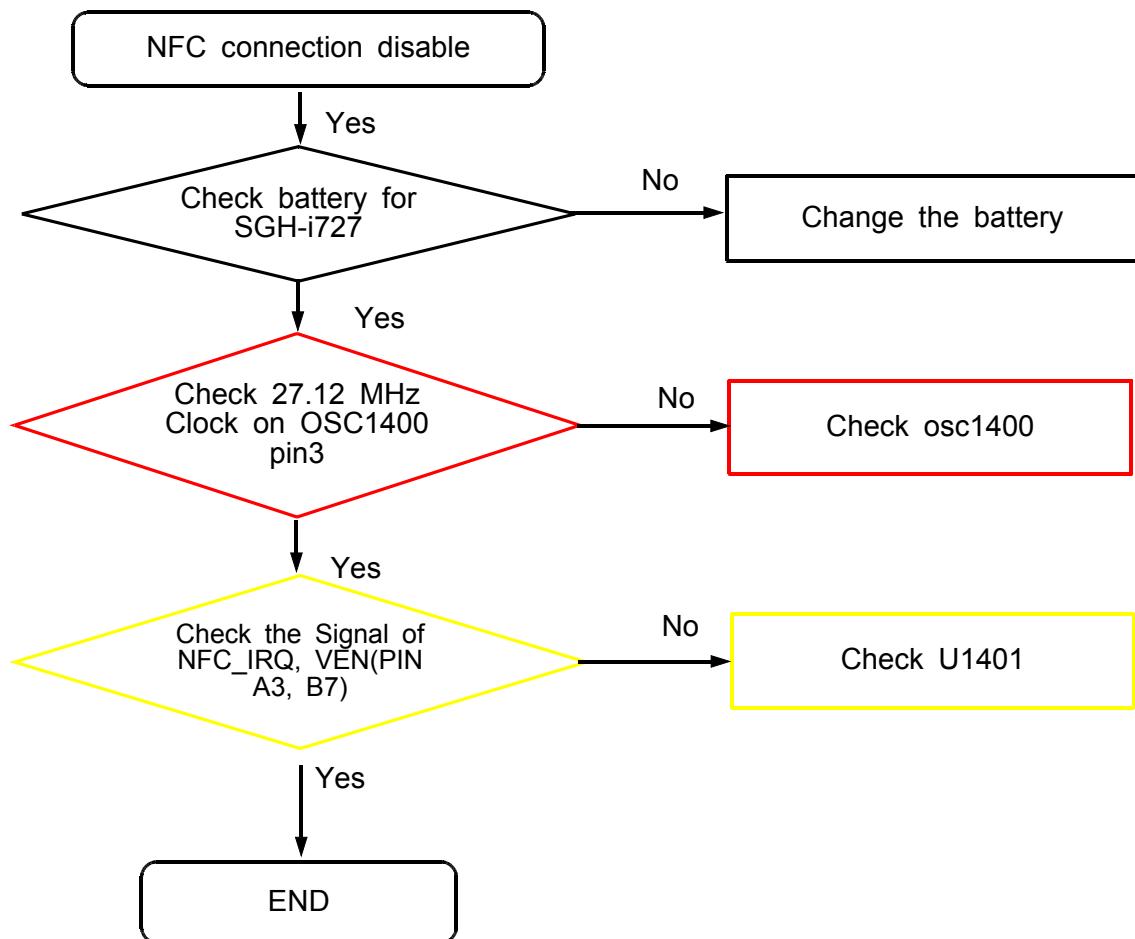


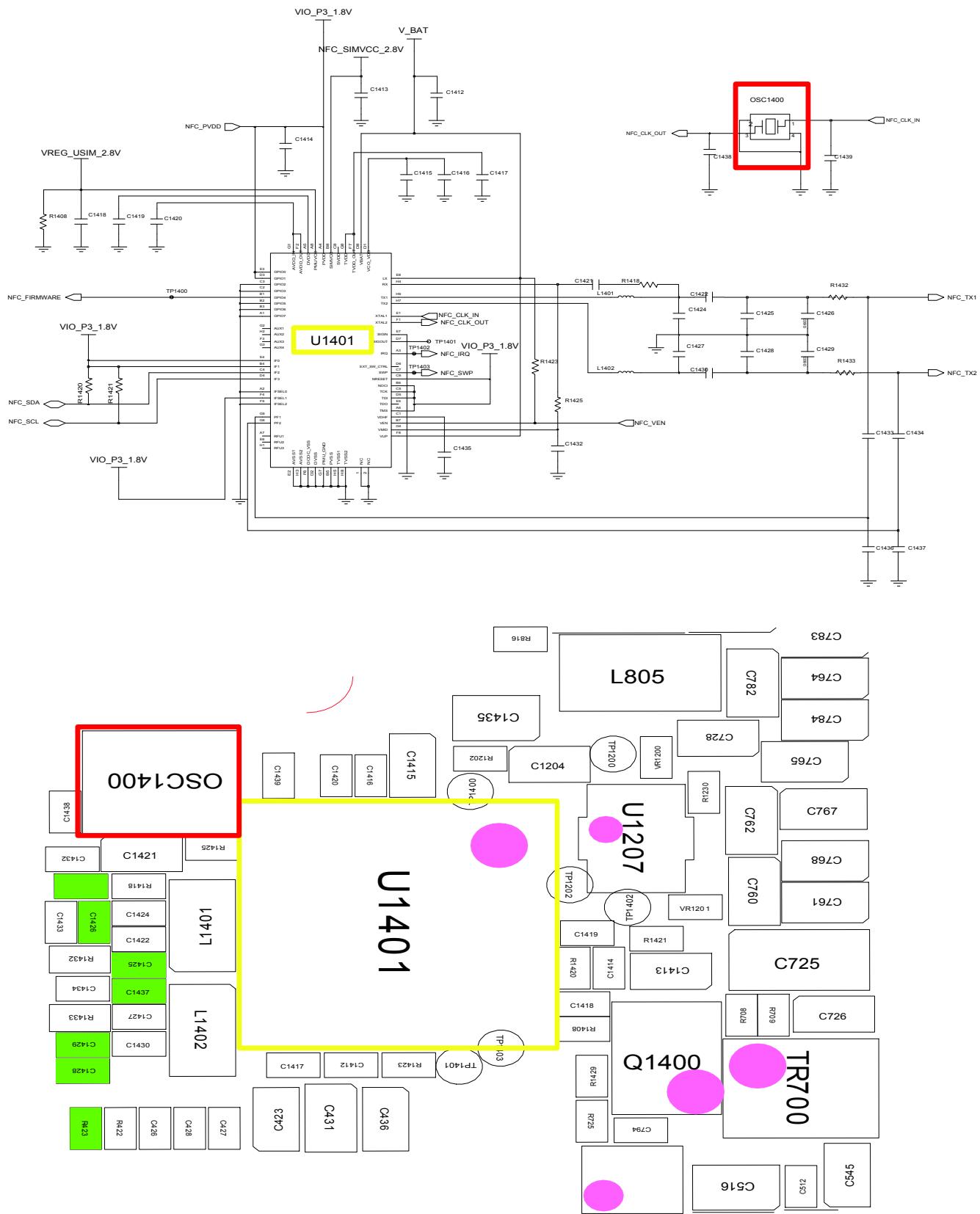
8-4-22. GPS





8-4-23. NFC





8-5. Service Schematics

- NC Point(Top View)

 : NC

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	■												■			■
B		■												■		
C	■															
D			■	■								■	■			
E				■								■				
F					■	■	■	■	■							
G			■	■	■	■	■	■	■							
H					■	■	■					■				
J																
K	■															
L																
M	■												■			
N																
P																
R	■												■			
T							■									
U	■												■			
V																
W																
Y																
AA																
AB			■	■	■											
AC				■	■											
AD	■															
AE		■											■			
AF	■	■														

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
A														
B														
C	■													
D				■										
E					■									
F														
G	■													
H														
J														
K	■													
L	■													
M														
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R														
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U	■										■			
V														
W											■			
Y												■		
AA														
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AD														
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A											
B											
C											
D			■								
E							■				
F	■	■									■
G			■								
H											
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K											
L											

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C																
D										■	■	■	■	■		
E											■					
F														■		
G																
H															■	
J								■								
K																
L									■							
M										■	■	■				
N											■	■	■			
P											■					
R	■															
T				■	■											

<U801>

	1	2	3	4	5	6	7	8	9	10	11
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B		■									
C		■									
D					■	■	■	■			■
E					■	■	■	■			
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