

# SAMSUNG GT-I9082 Service Manual



**SAMSUNG**

# ***SERVICE*** *Manual*

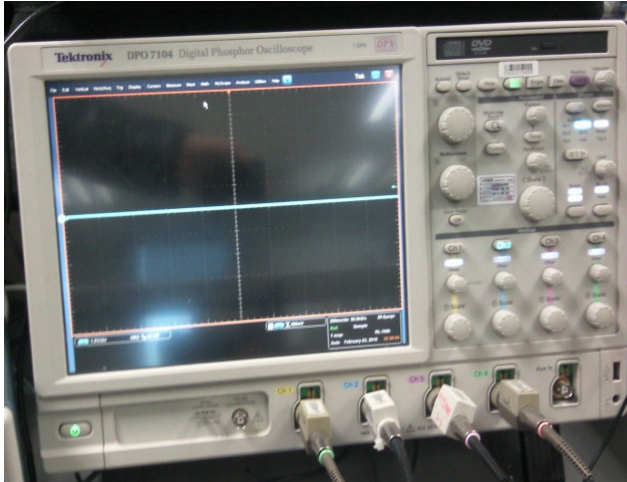
**Mobile1Tech**

**mobile1tech.com**

**HARDWARE**

### 8-3. Flow Chart of Troubleshooting

#### Equipments



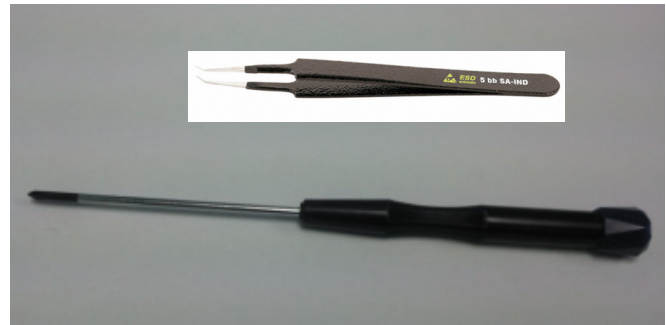
↑ Oscilloscope



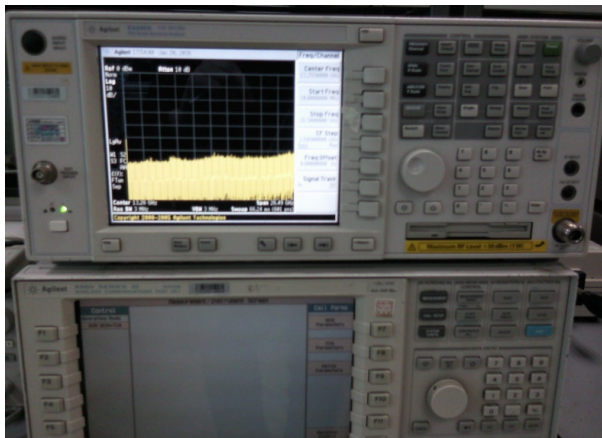
↑ Digital Multimeter



↑ Power Supply



↑ + driver, ESD Safe Tweezer

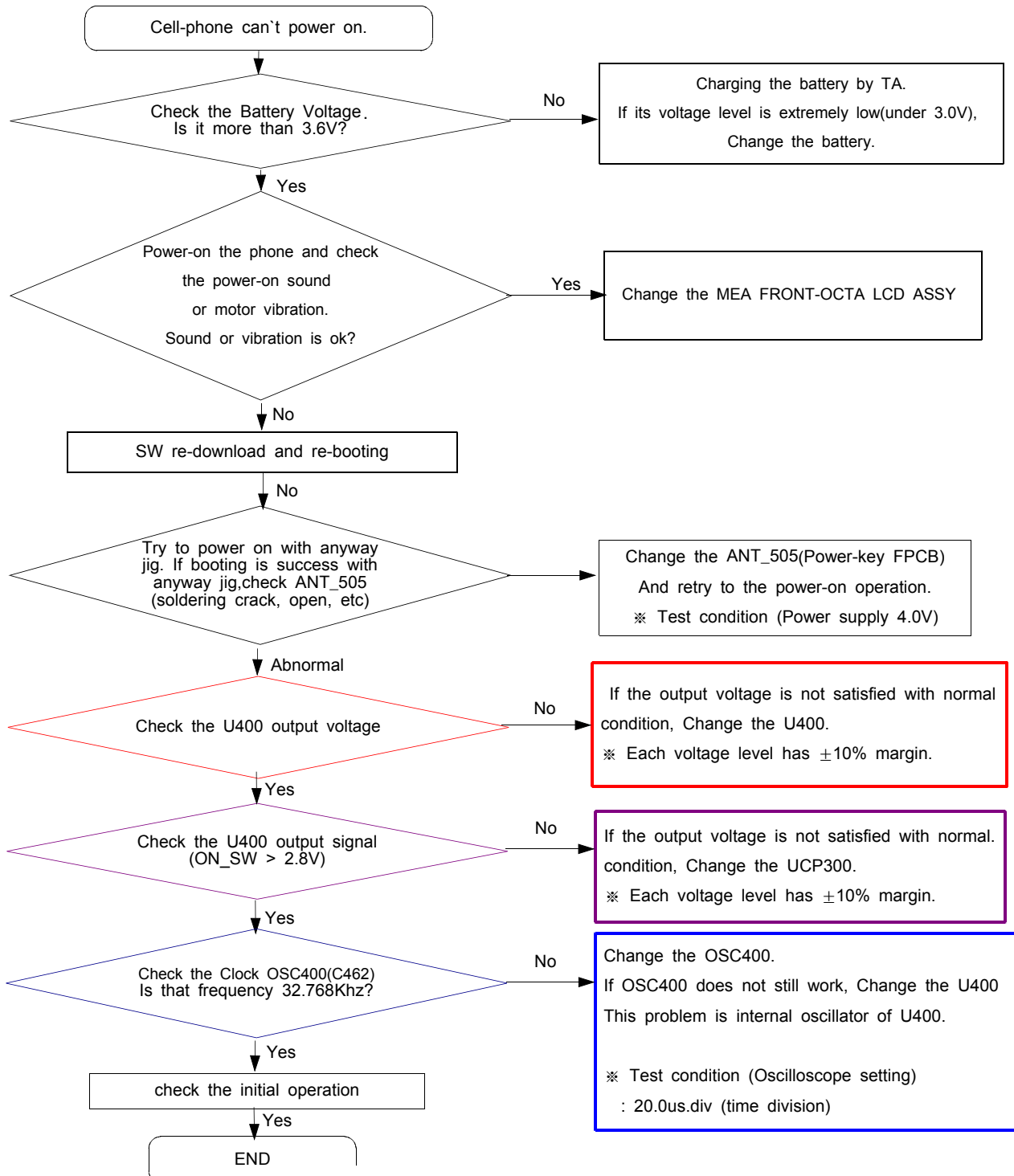


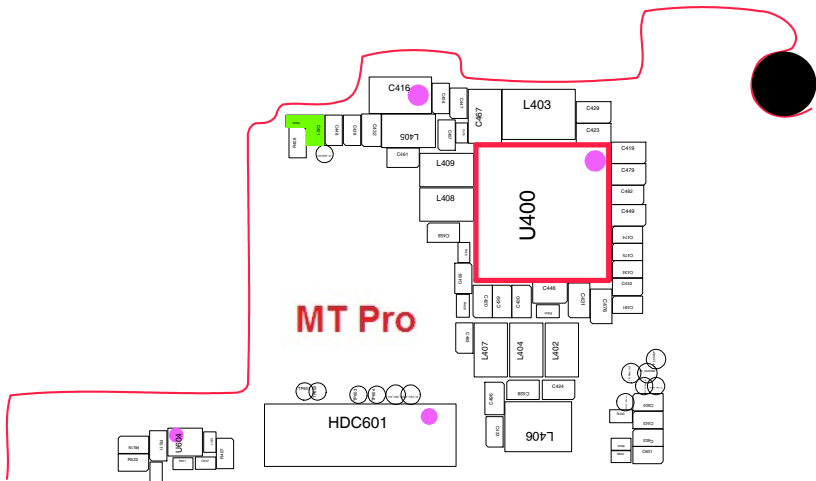
↑ 8960 & Spectrum Analyzer



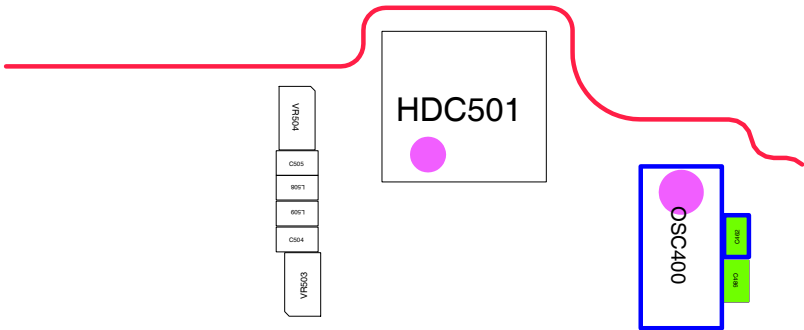
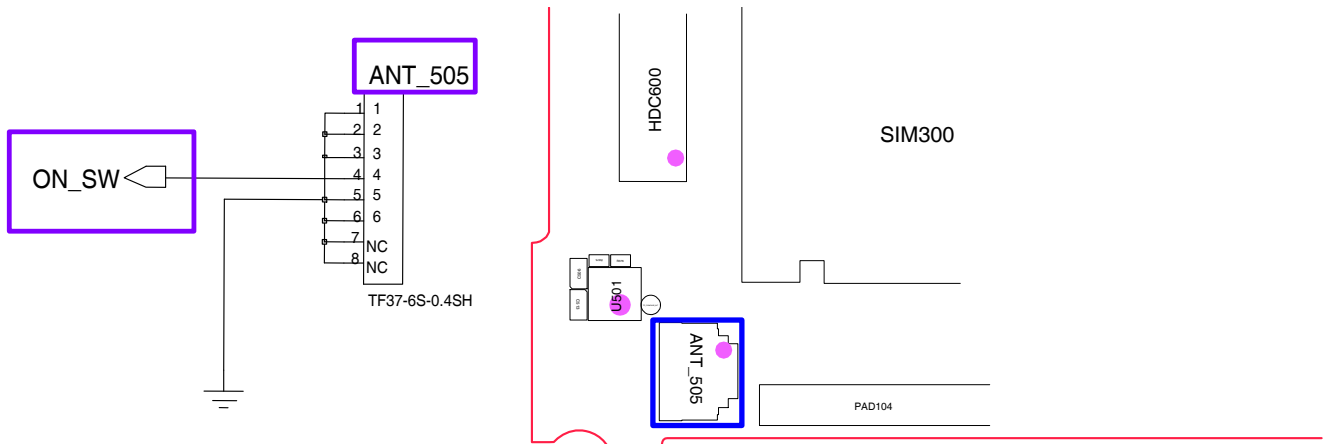
↑ Soldering iron

### 8-3-1. Power On

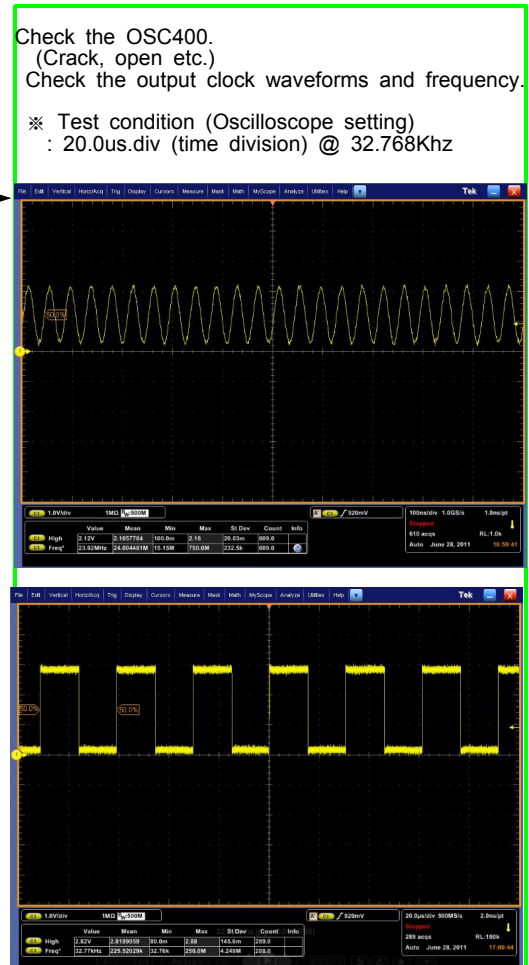
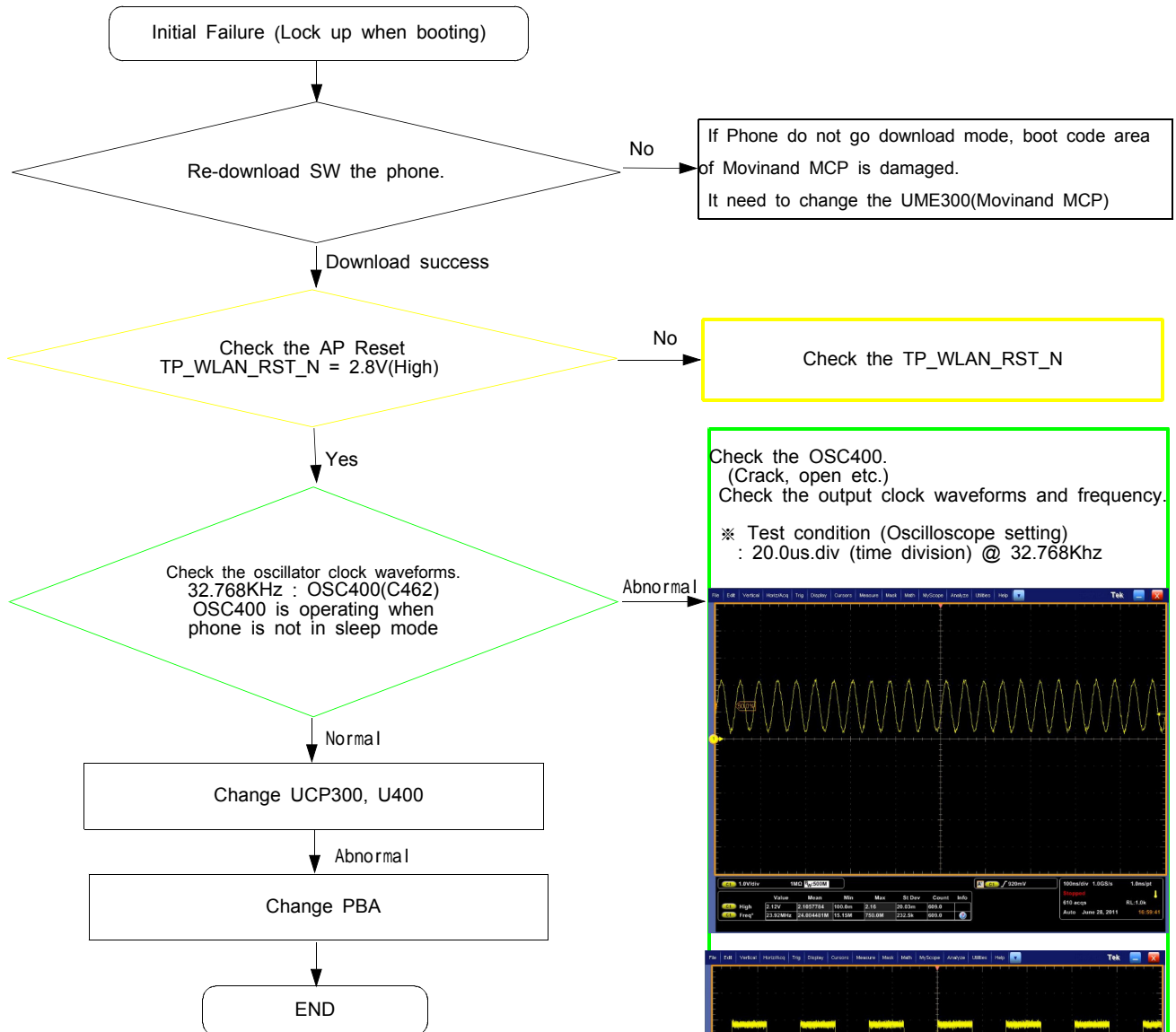


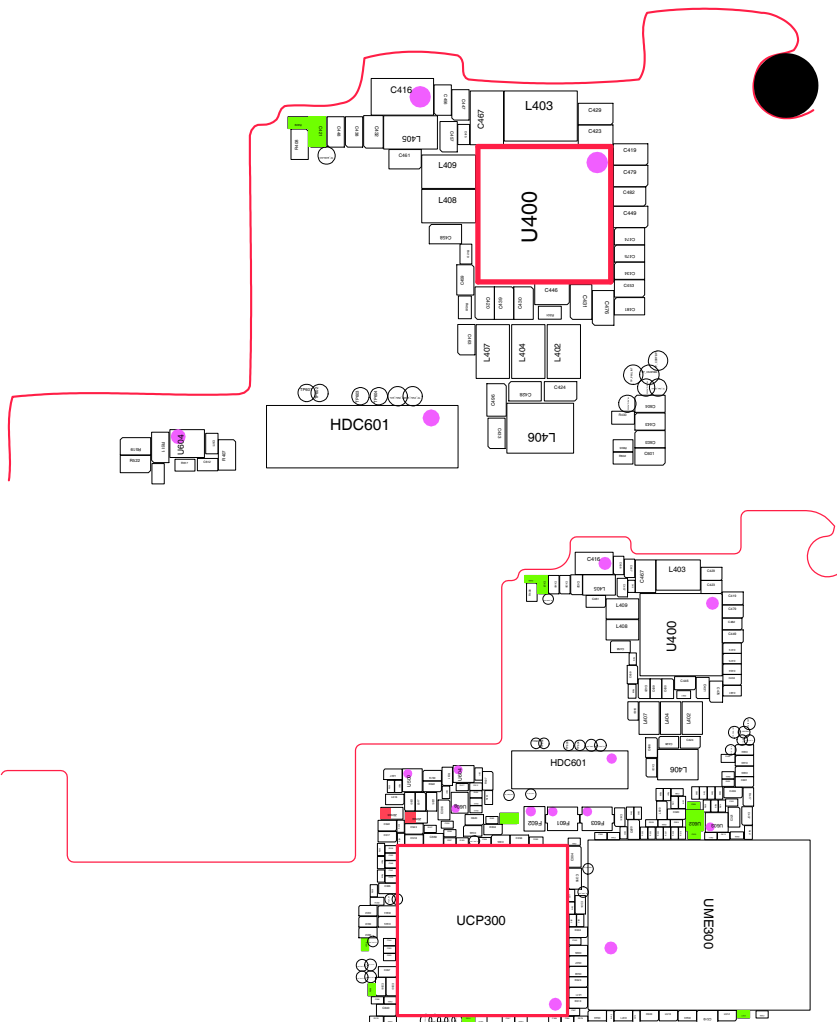


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### 8-3-2. Initial (Lock up)

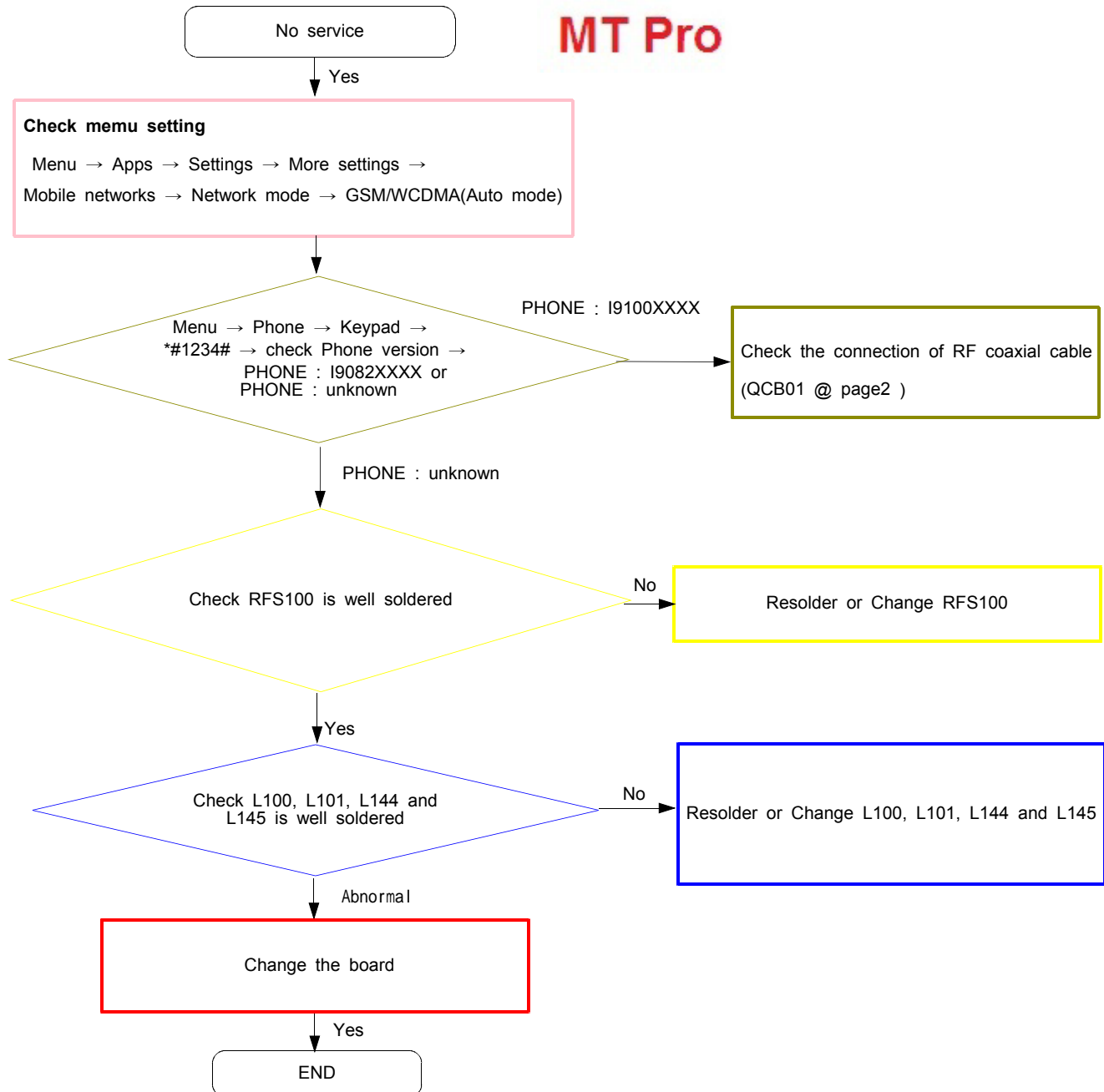




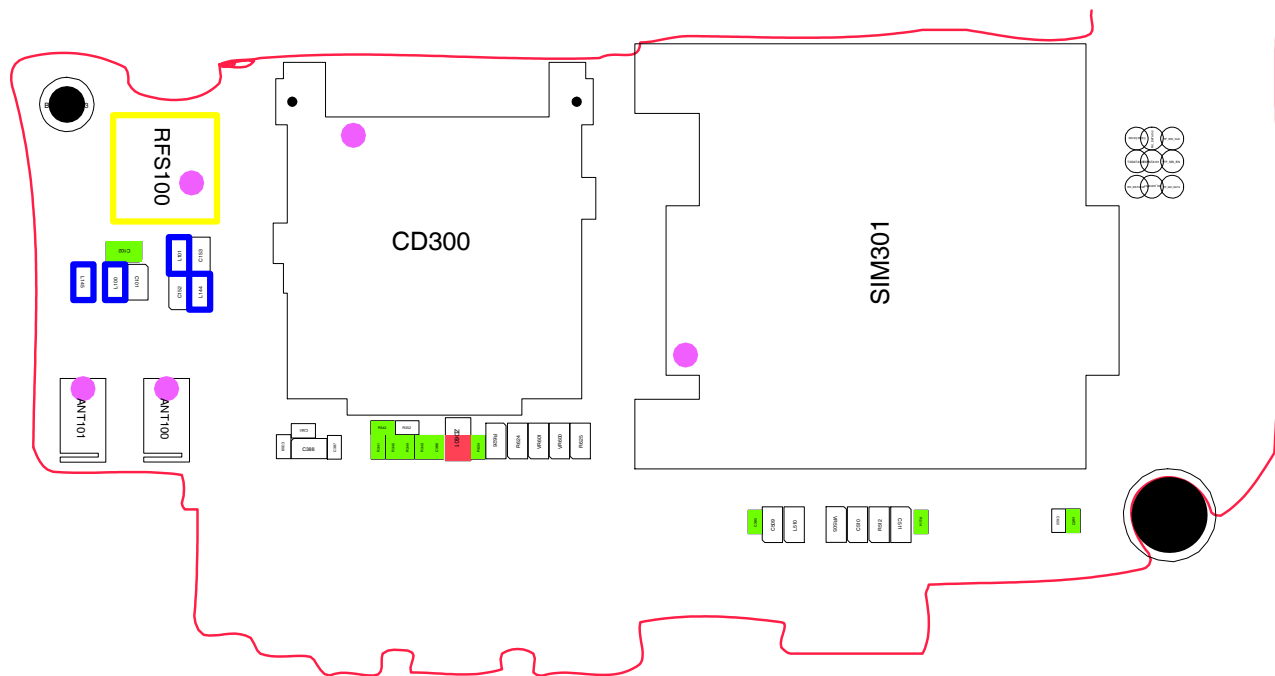
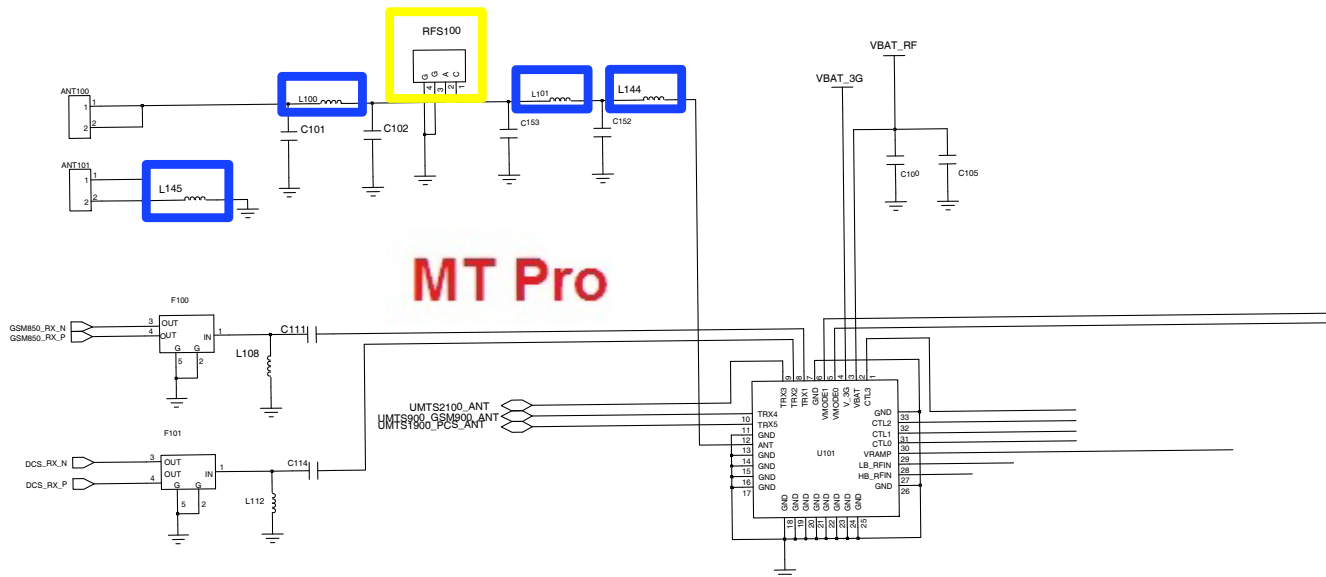


### 8-3-3. No Service

**MT Pro**



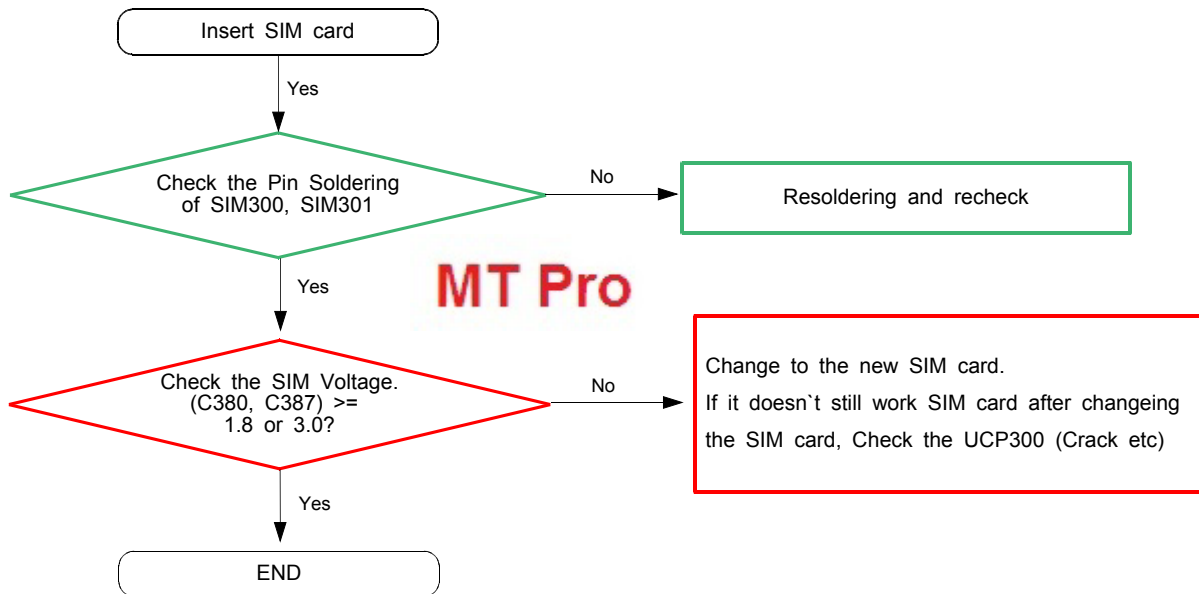








#### 8-3-4. Sim Part





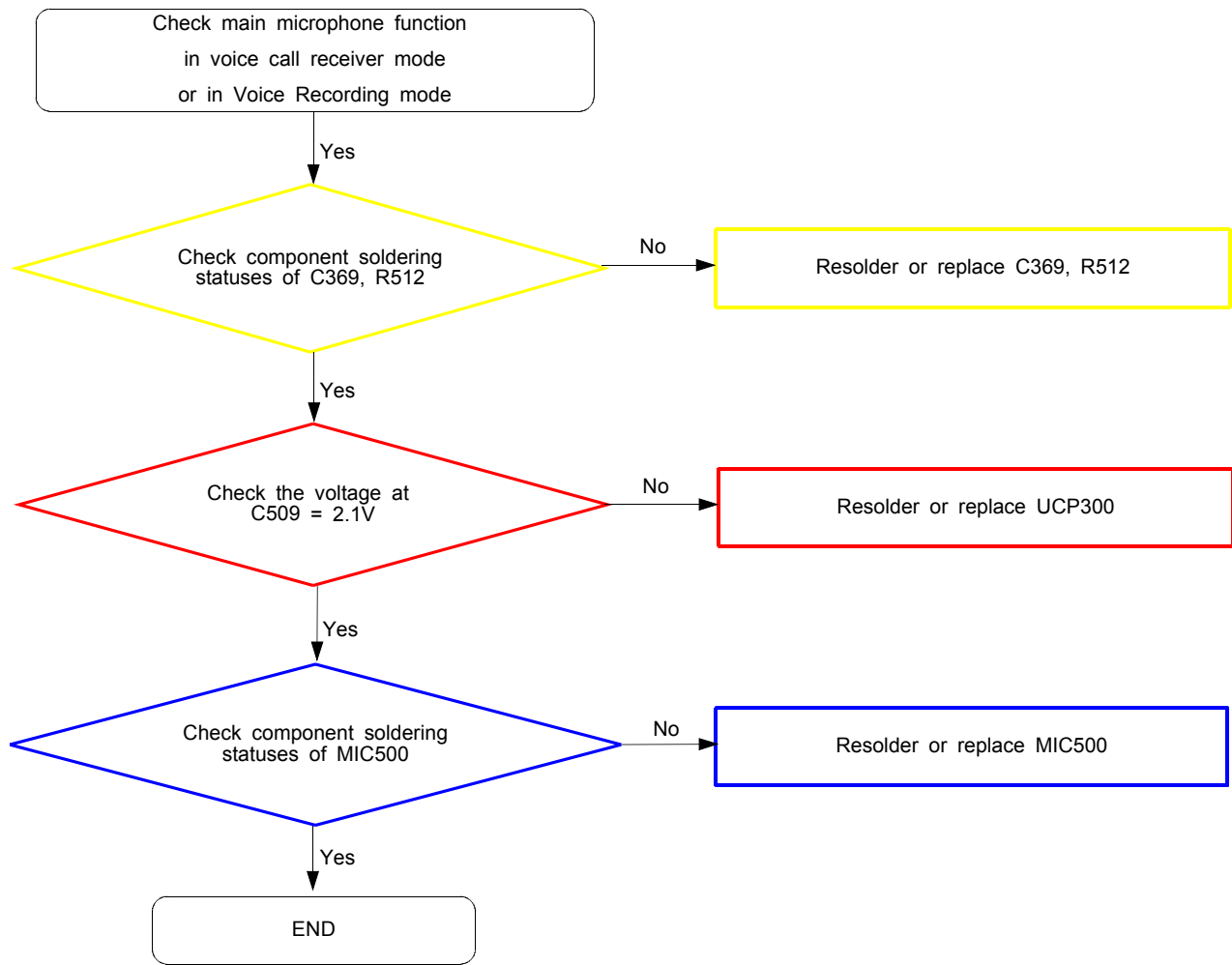
Level 3 Repair







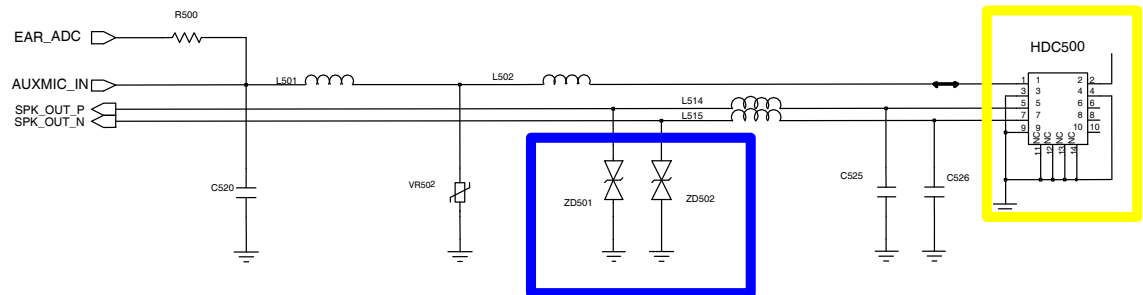
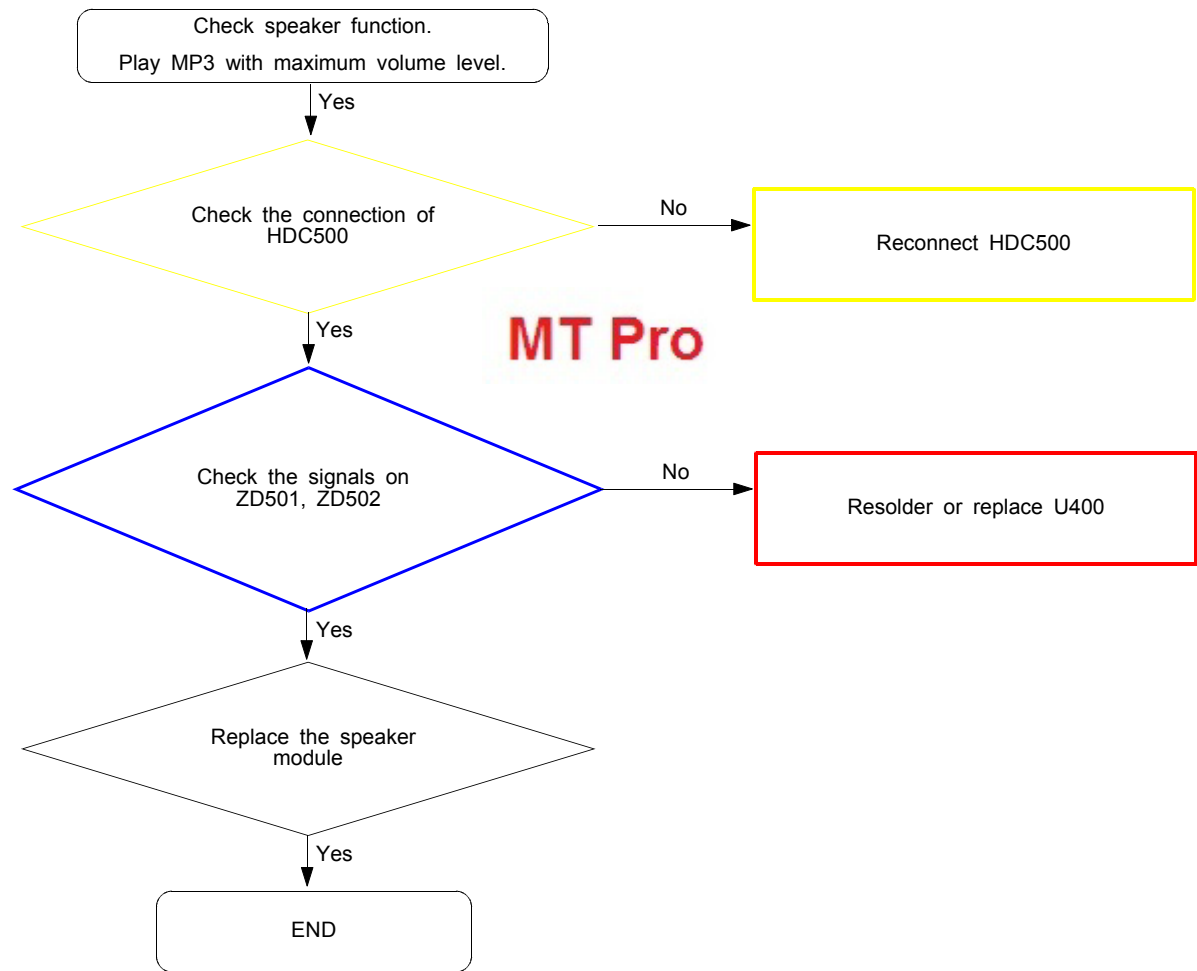
8-3-6. Microphone Part (Main MIC)



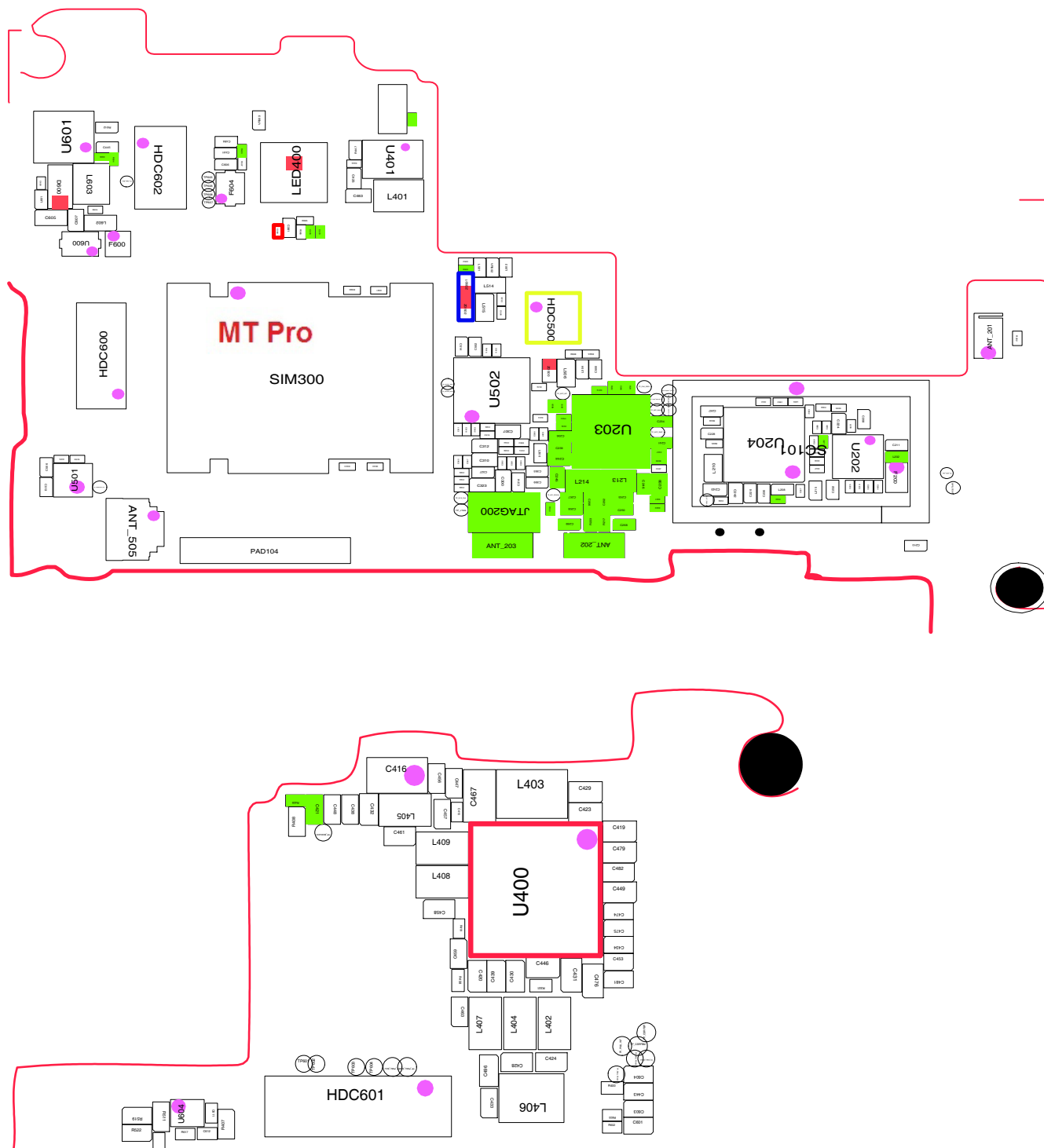




8-3-7. Speaker Part



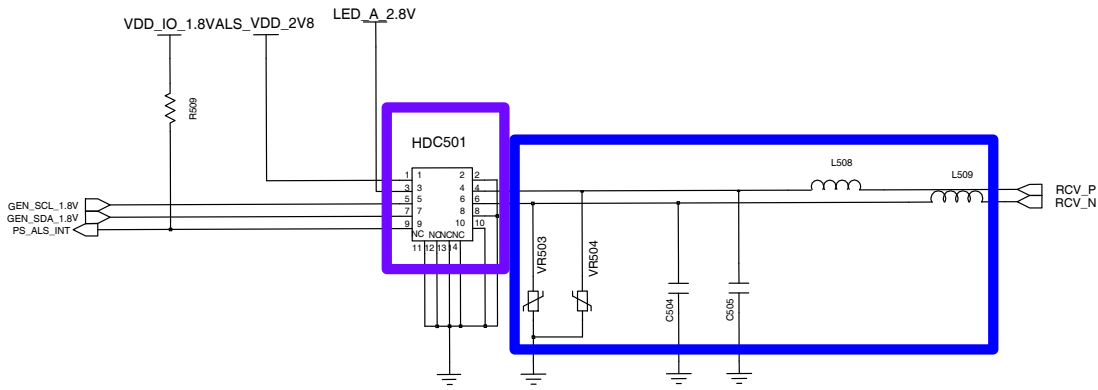
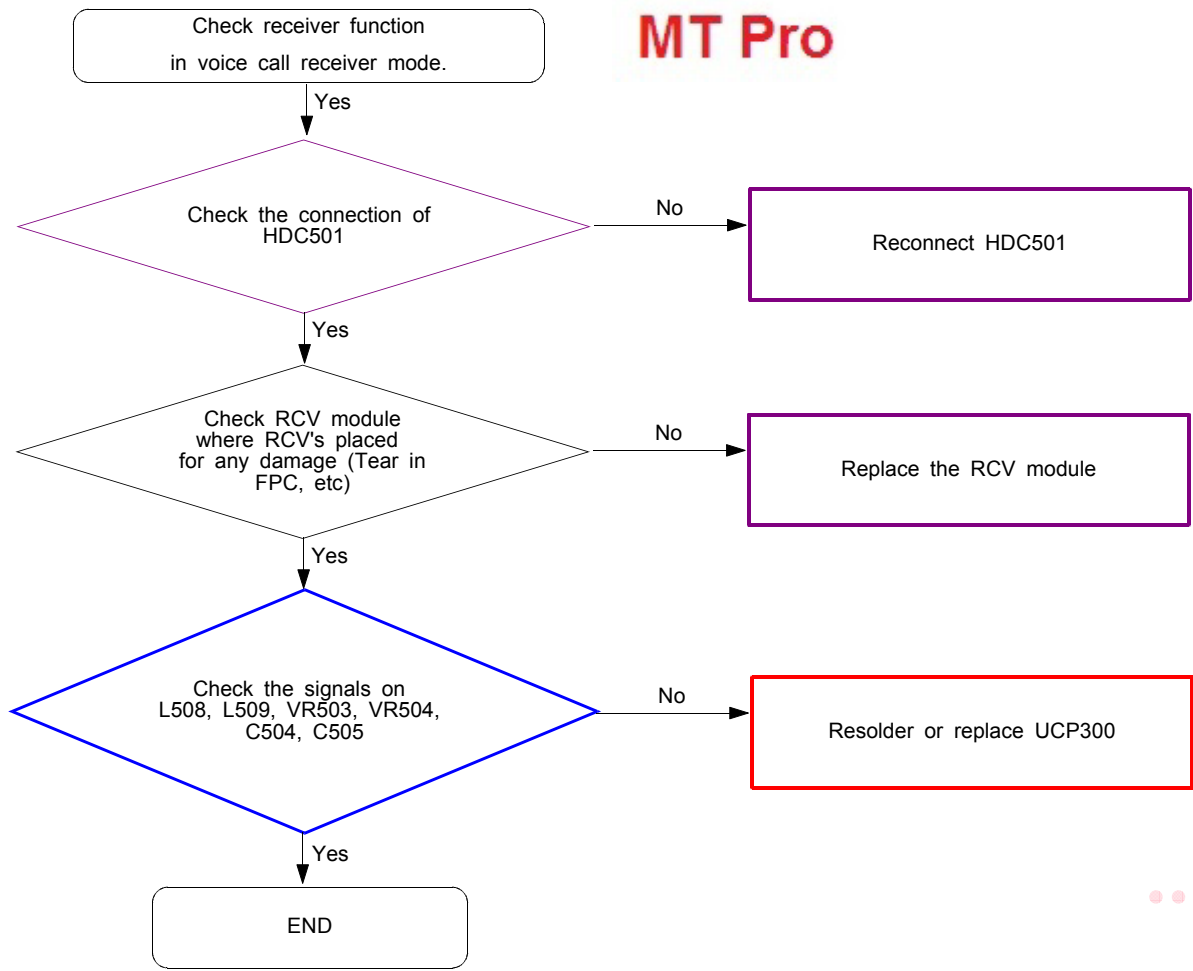
EAR\_JACK + SPK CON



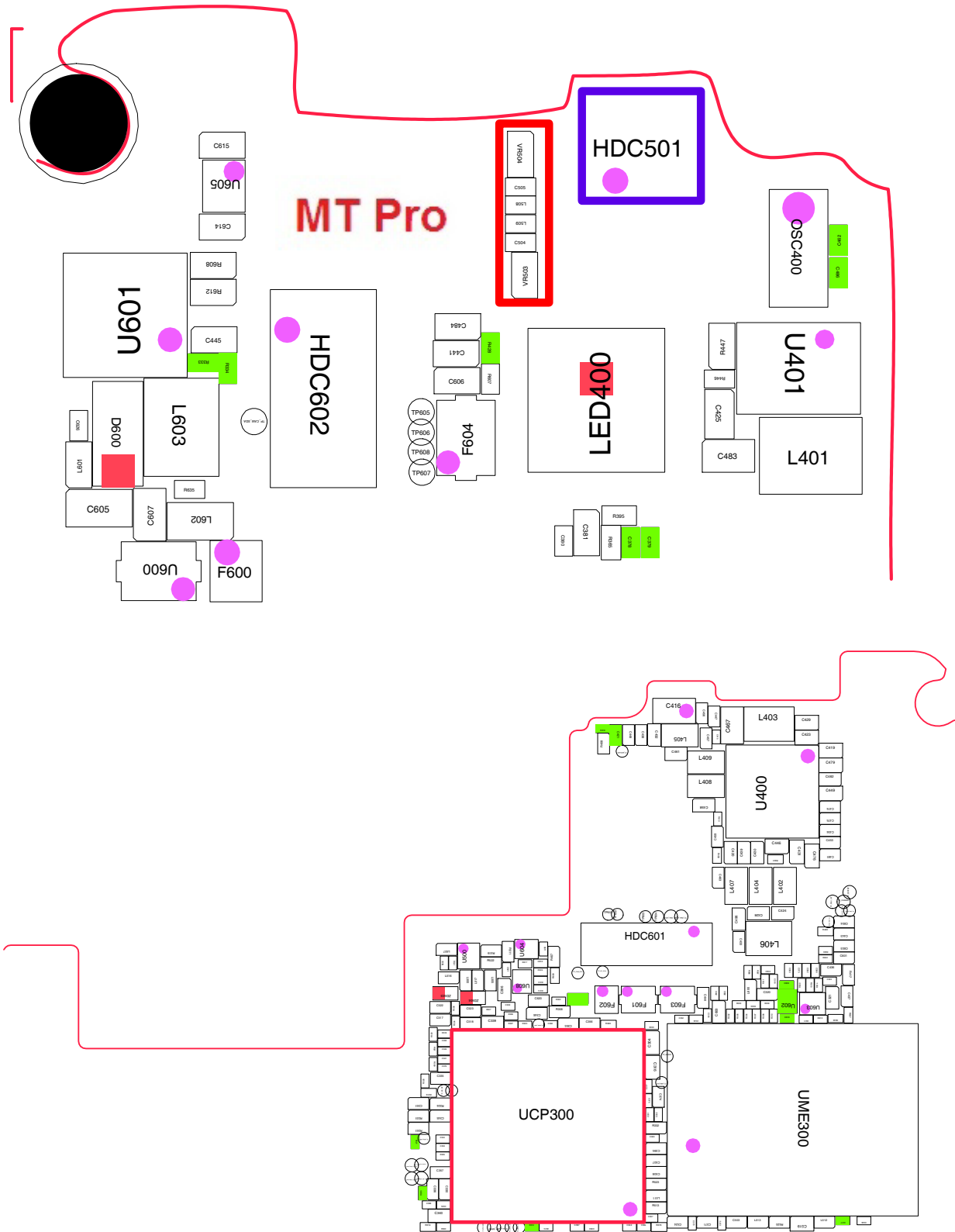




8-3-8. Receiver Part



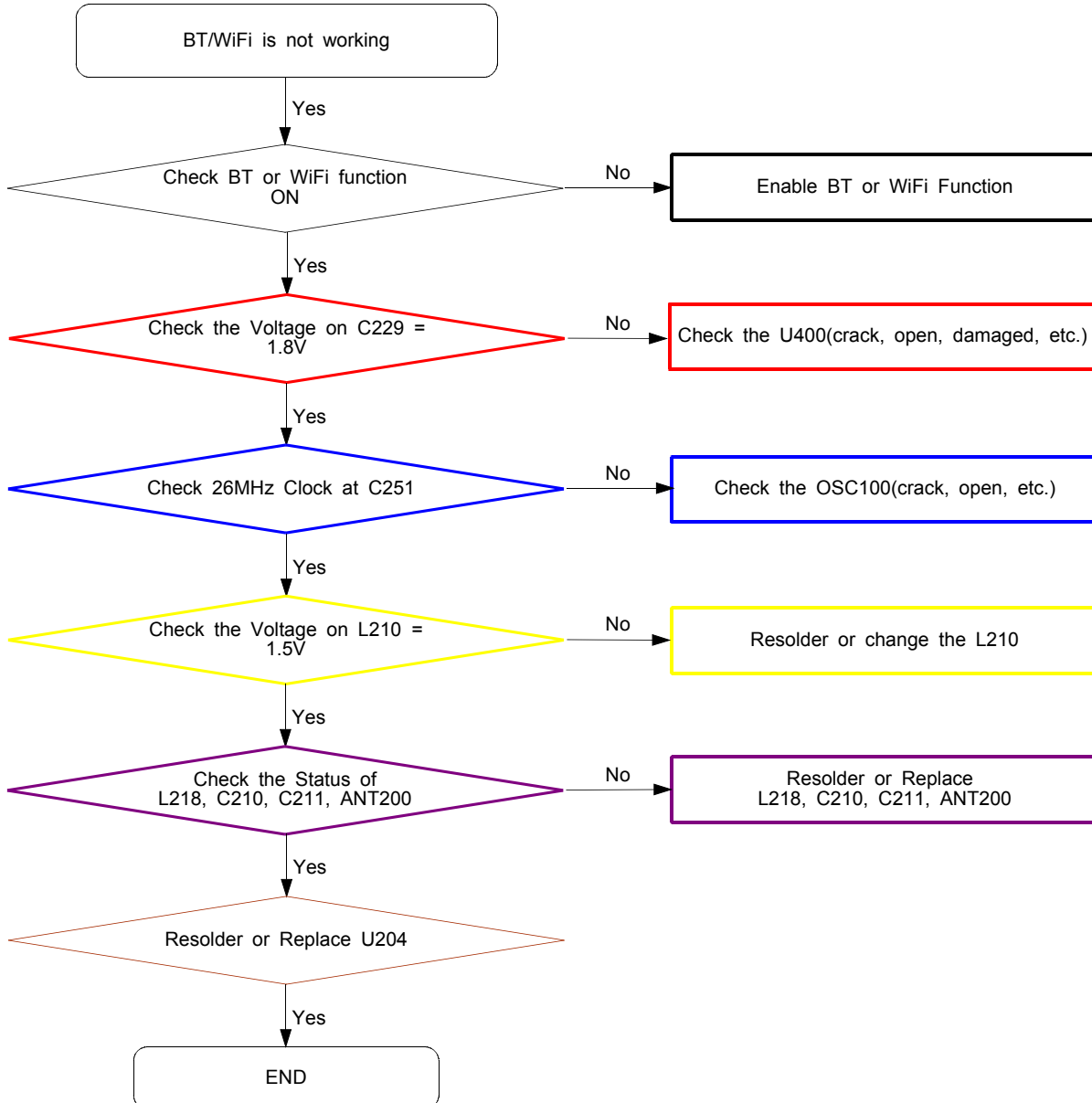
RCV CON

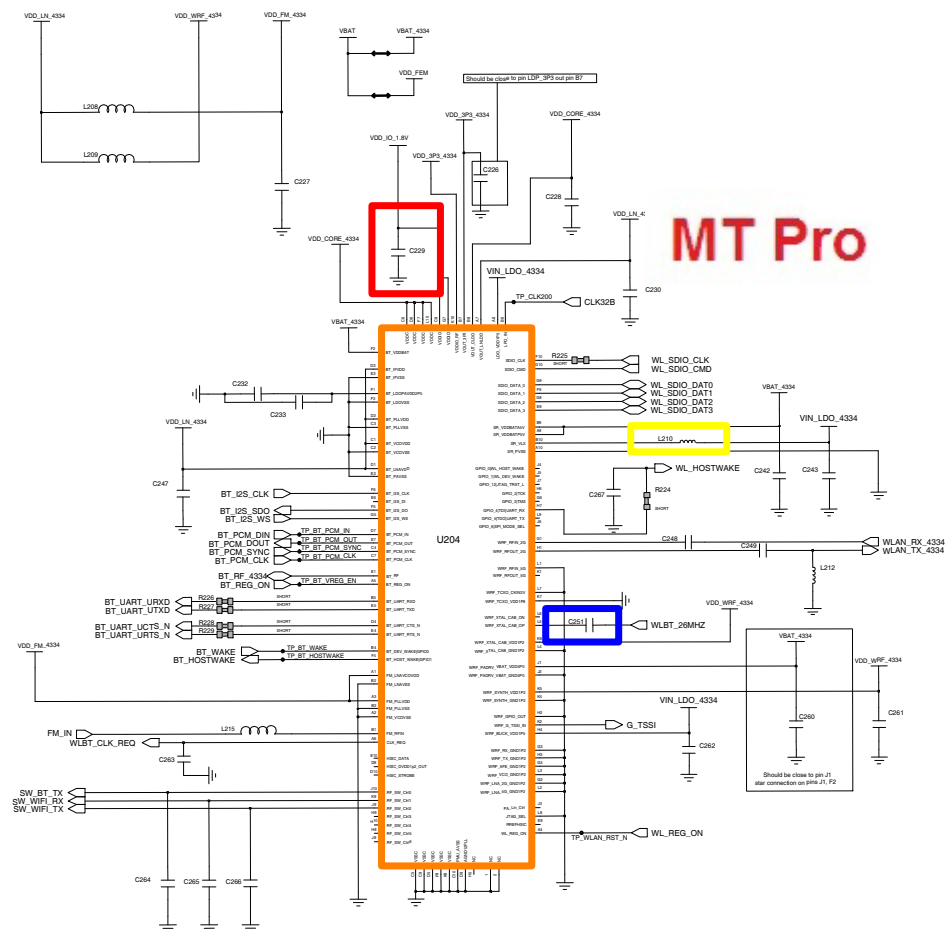


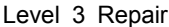


### 8-3-9. BT/WIFI

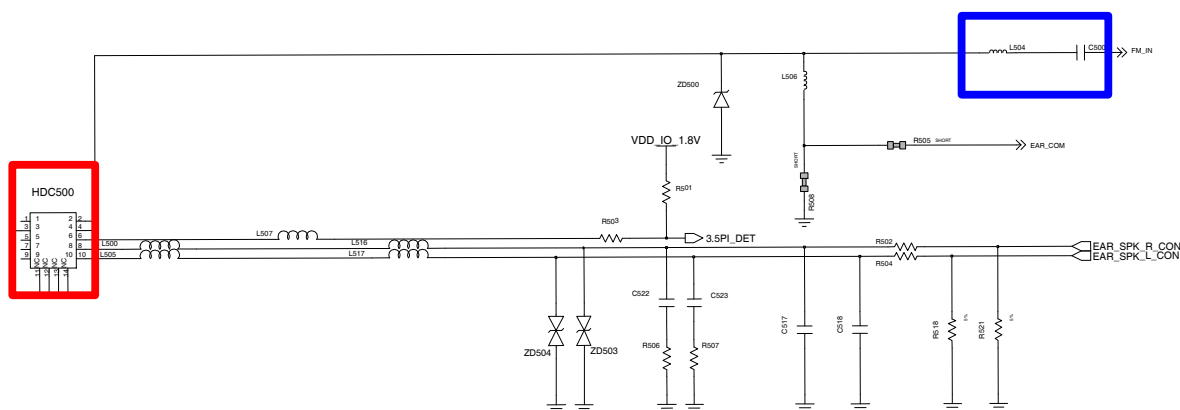
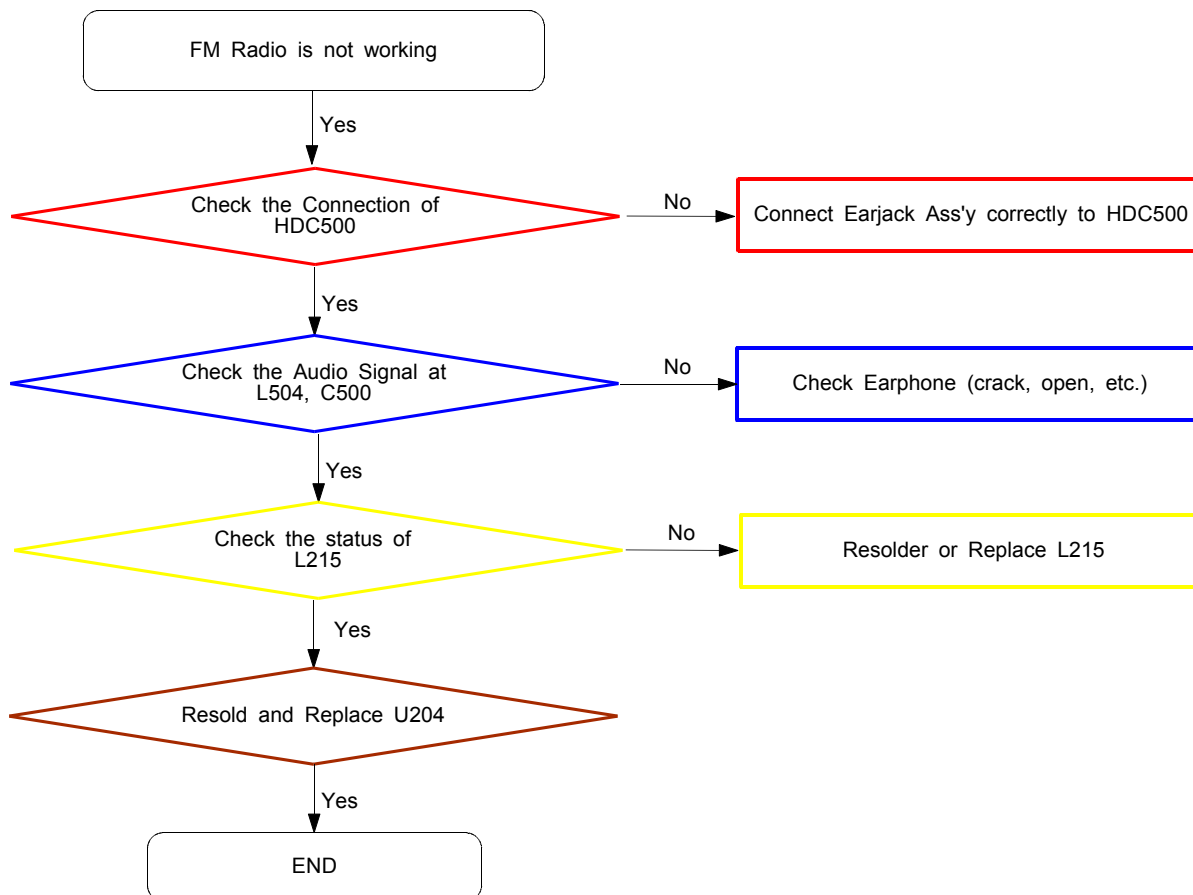
**MT Pro**







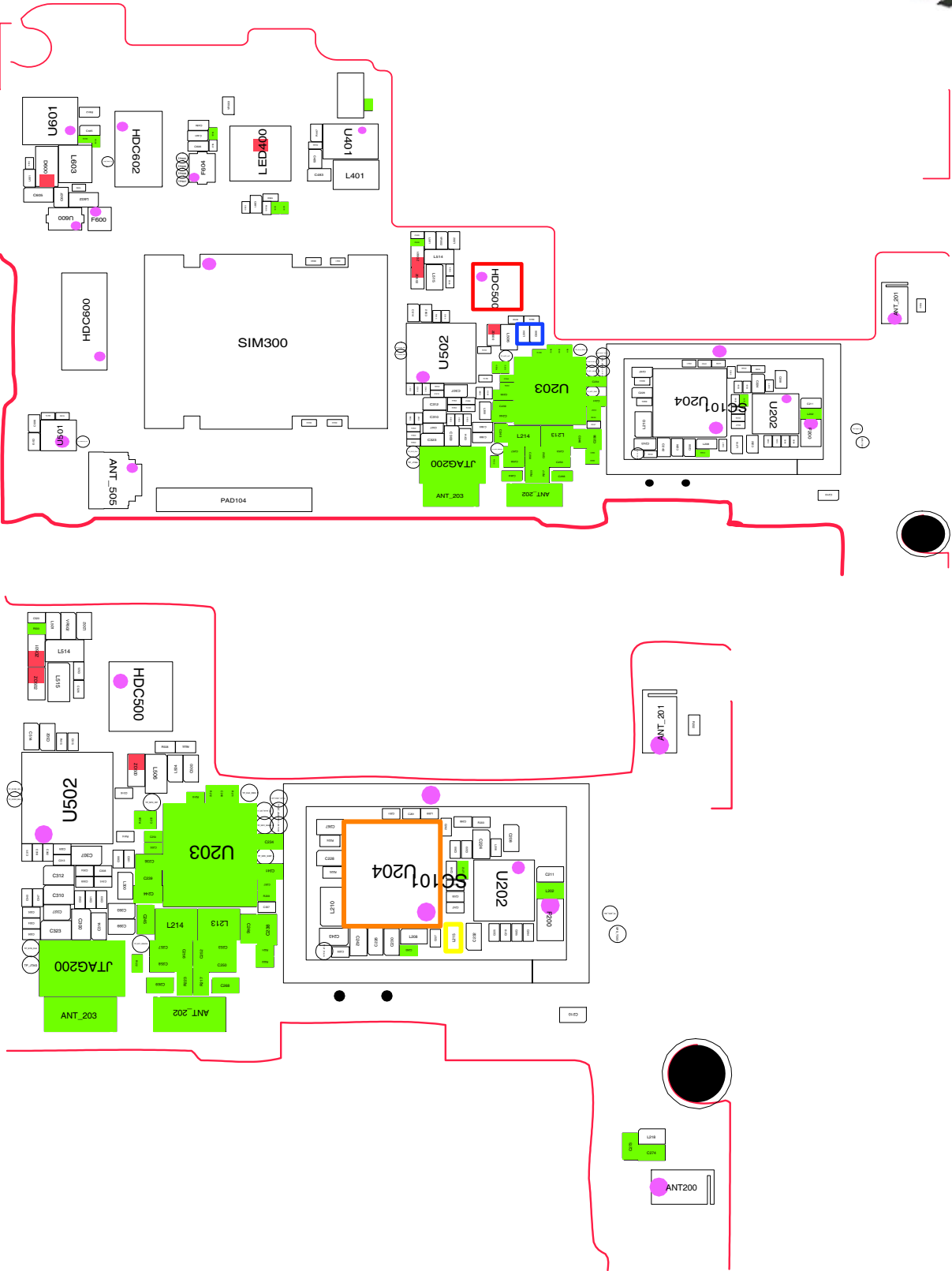
## 8-3-10. FM RADIO



EAR\_JACK + SPK CON

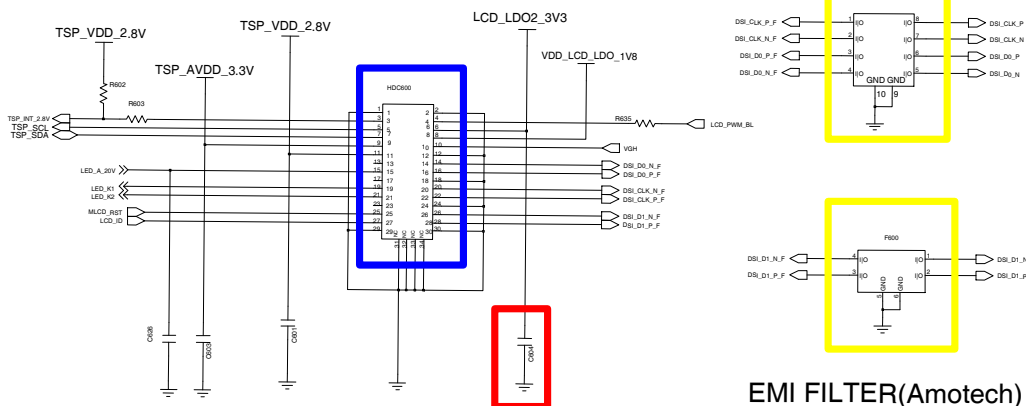
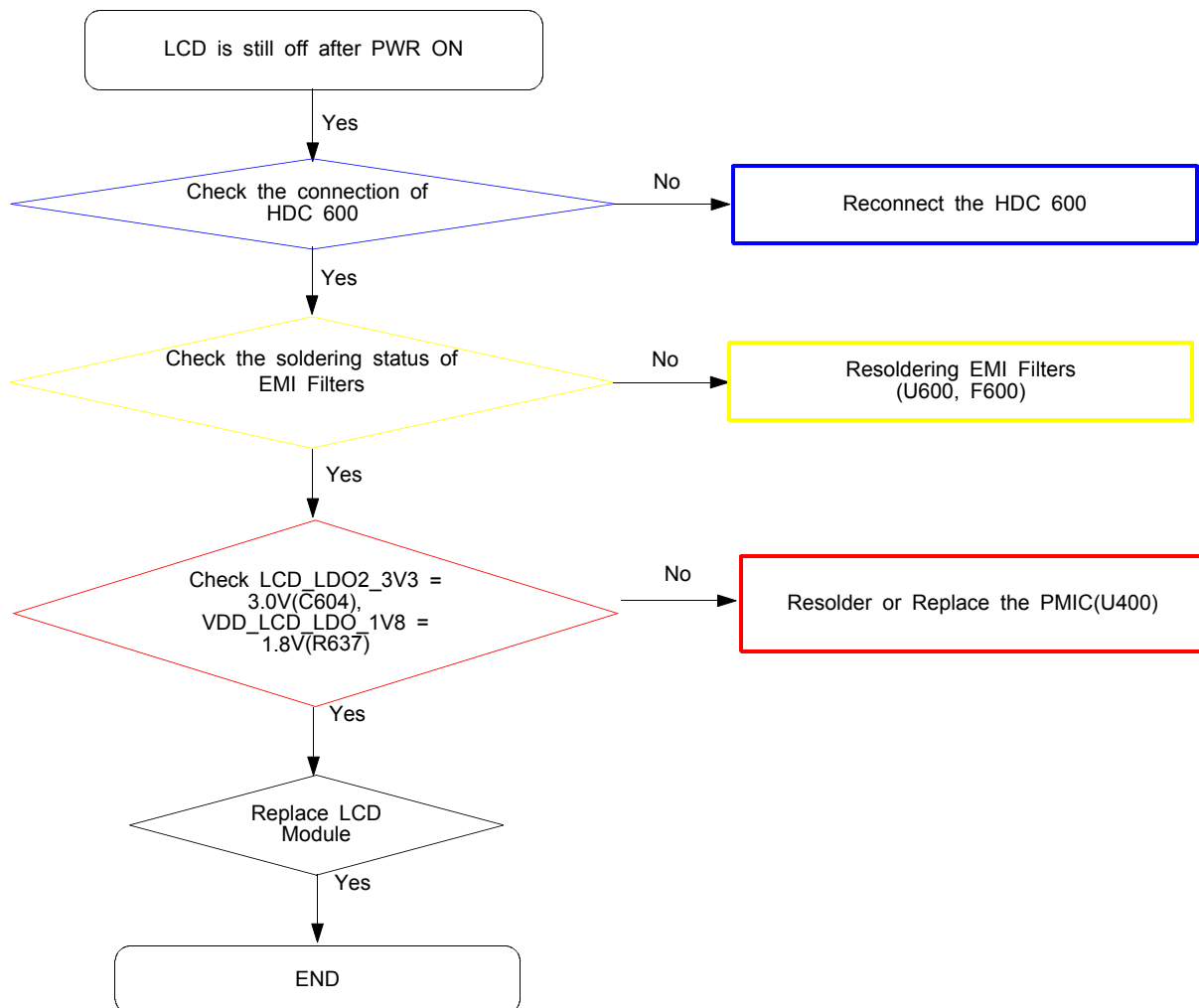


Level 3 Repair

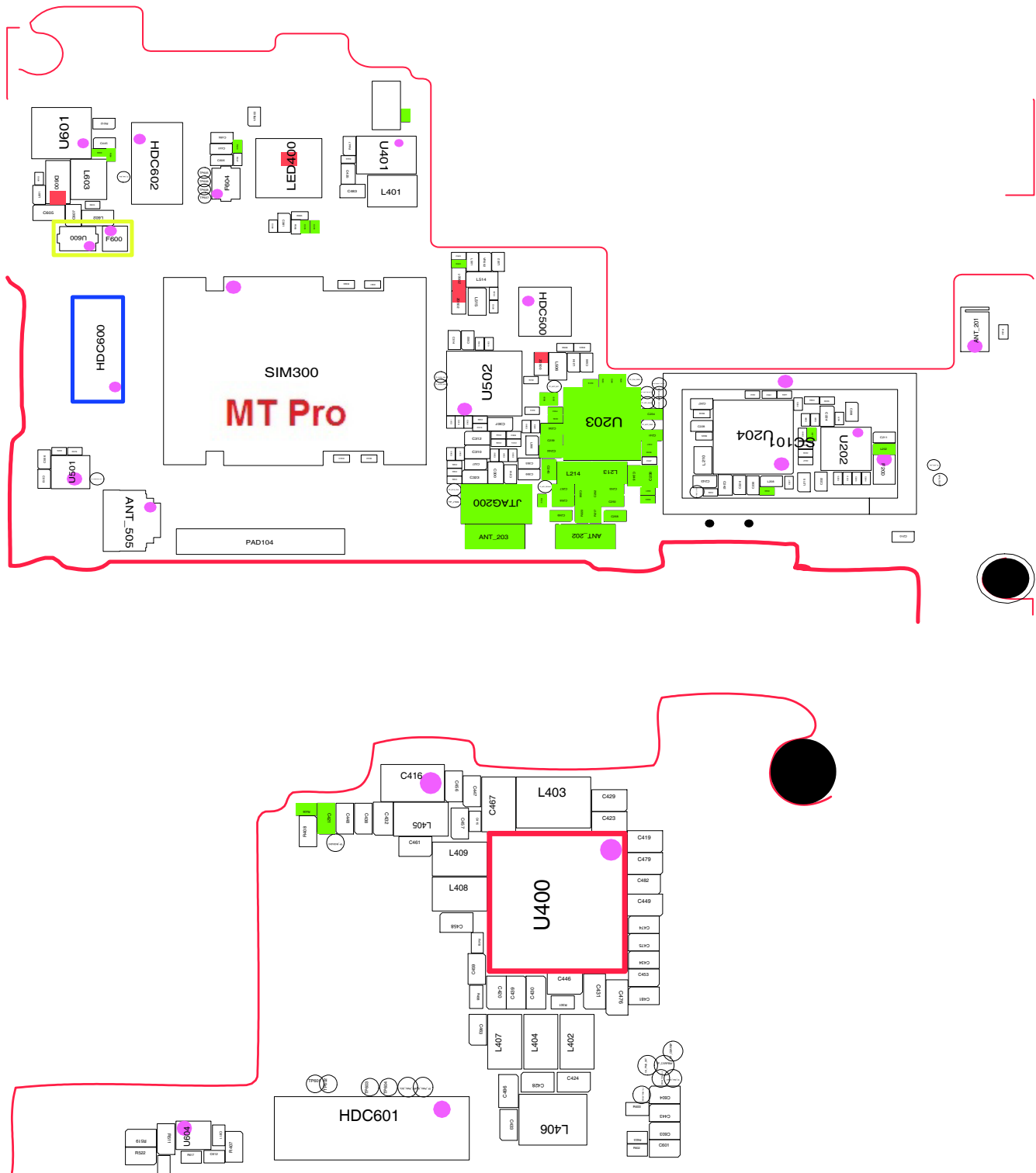




## 8-3-11. LCD



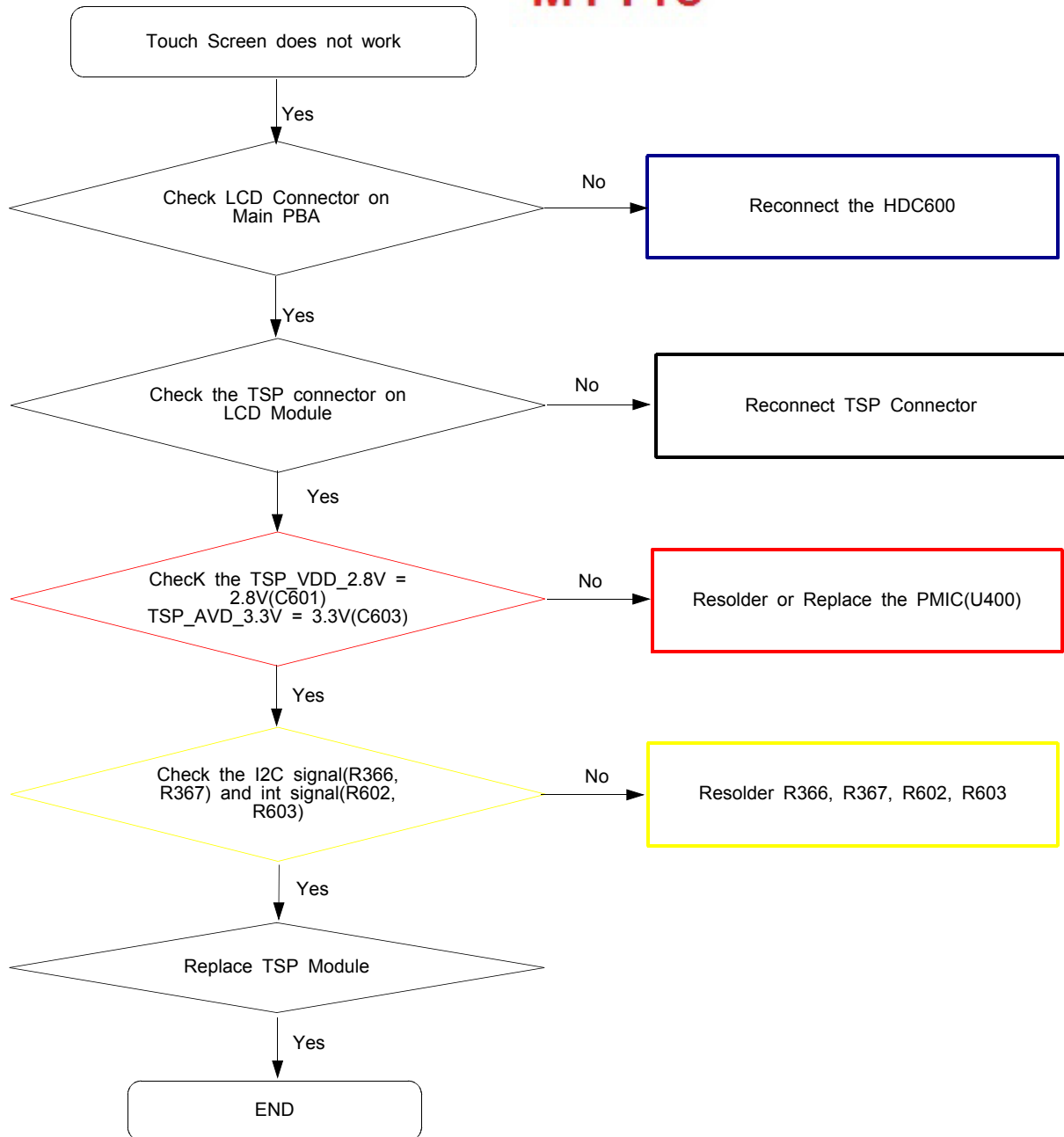
EMI FILTER(Amotech)

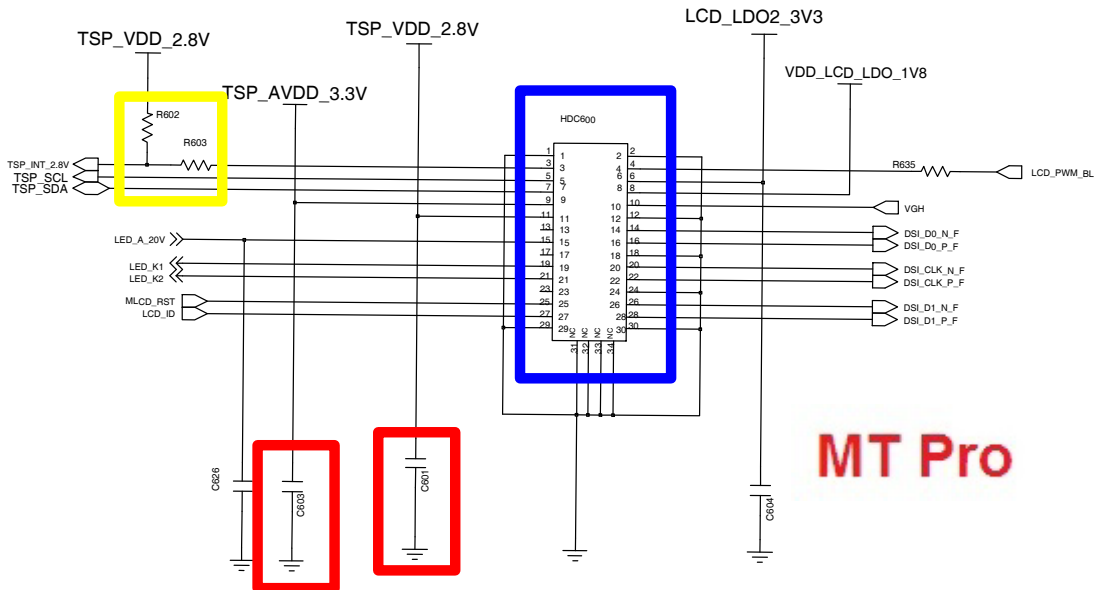




## 8-3-12. TSP

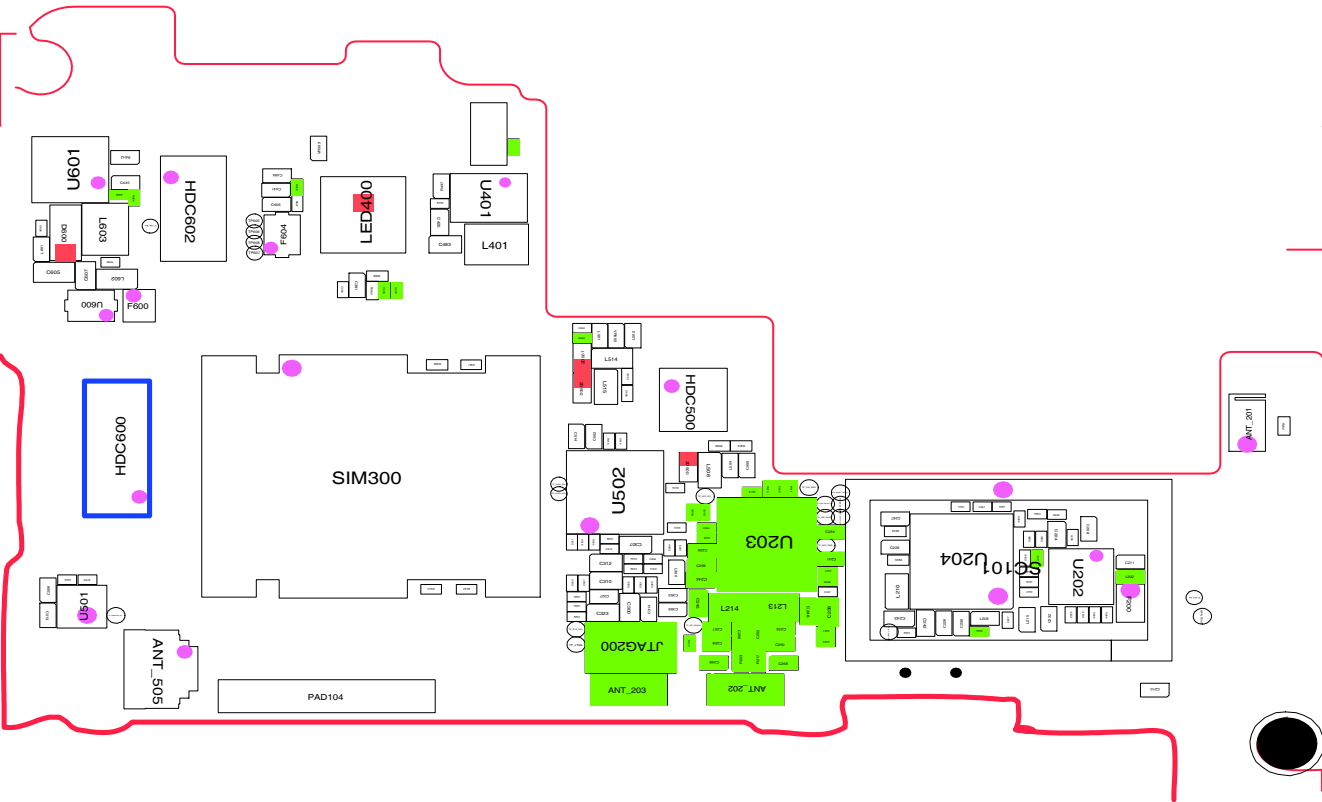
MT Pro

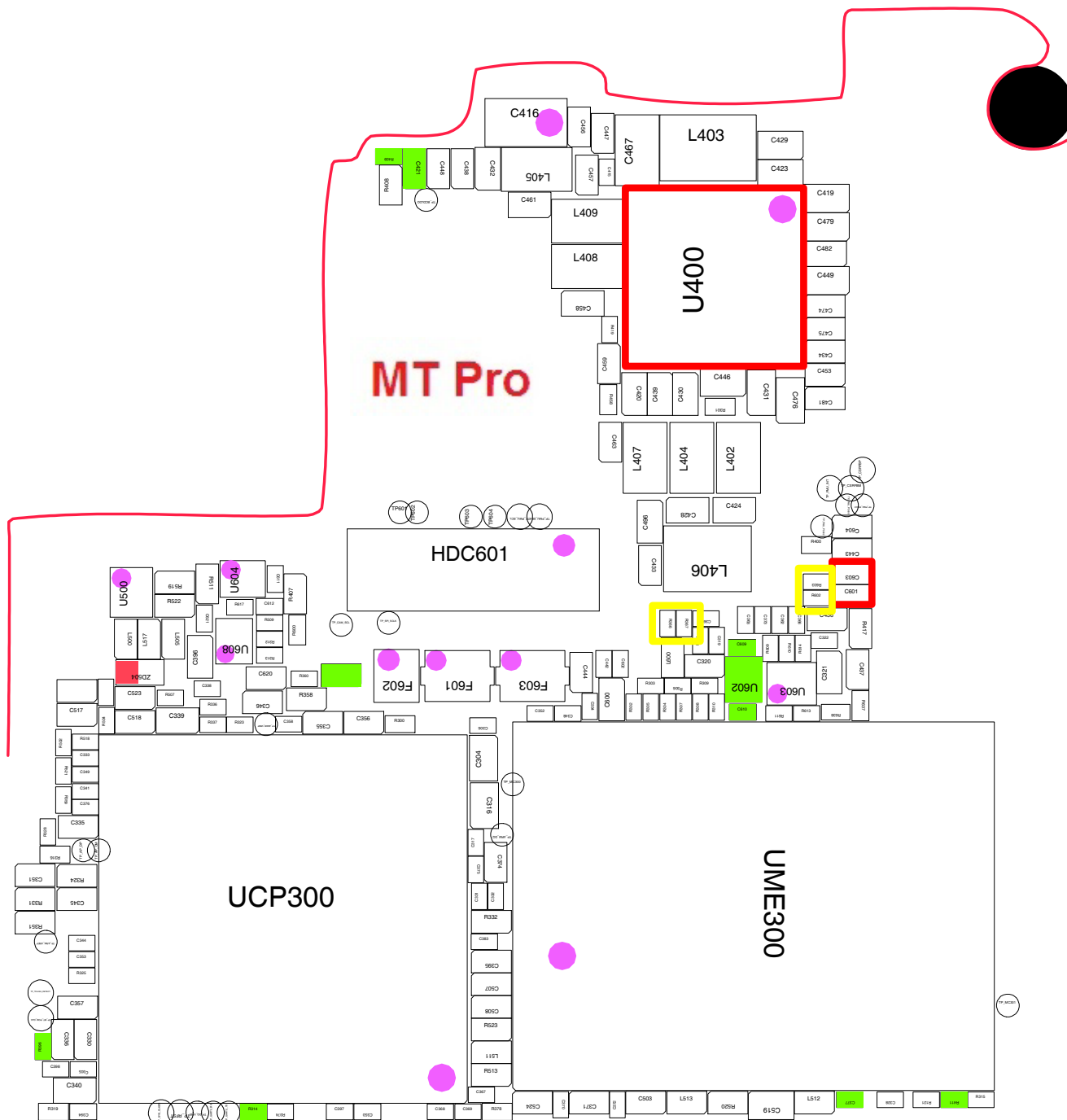




MT Pro

# SMD LCD 5.01" WVGA PLS WITH TSP CON

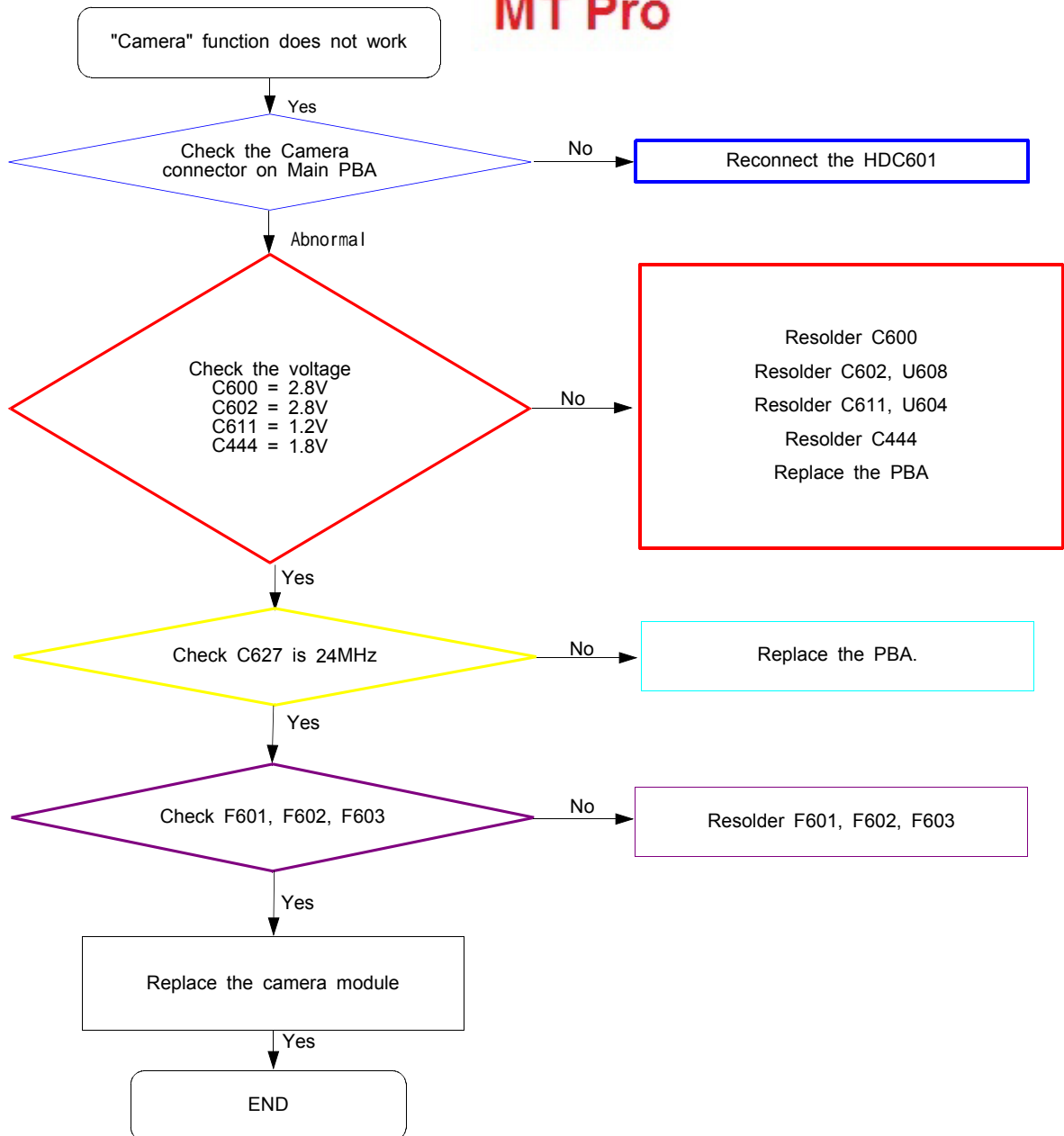


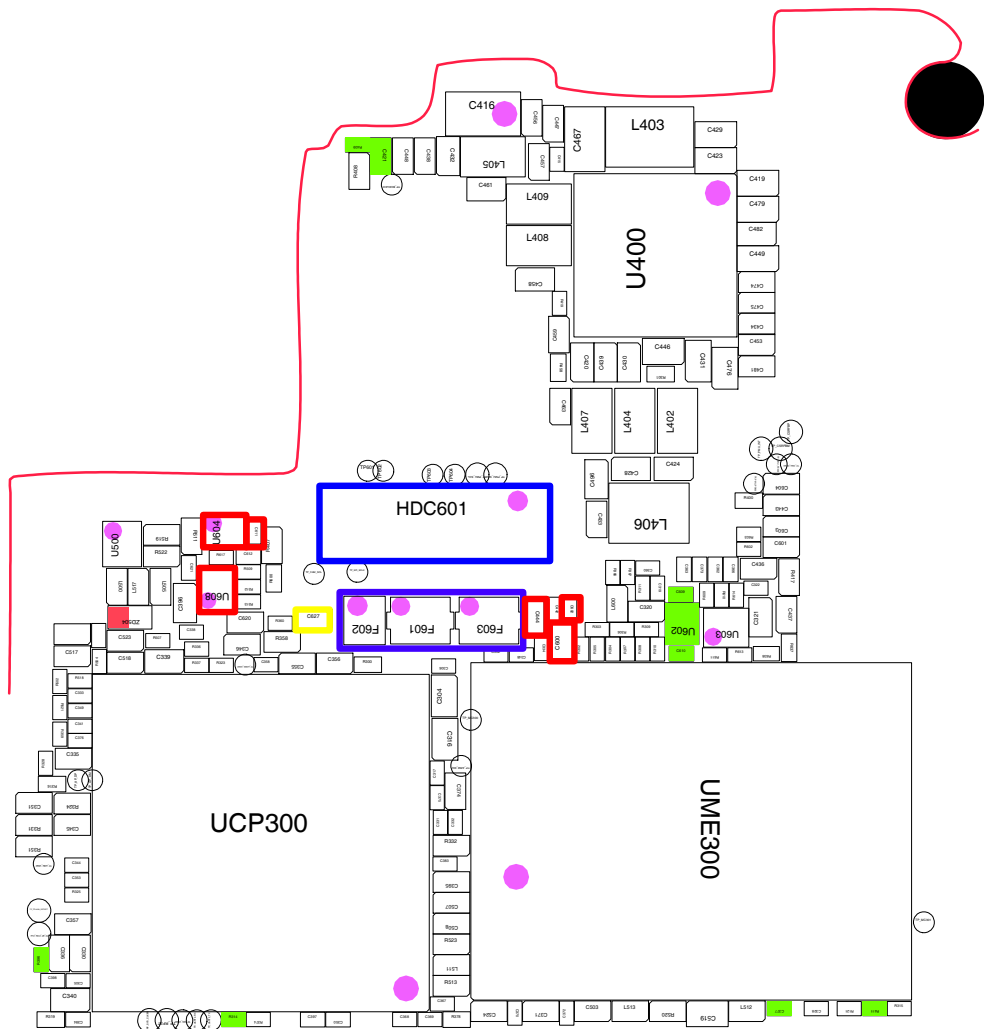
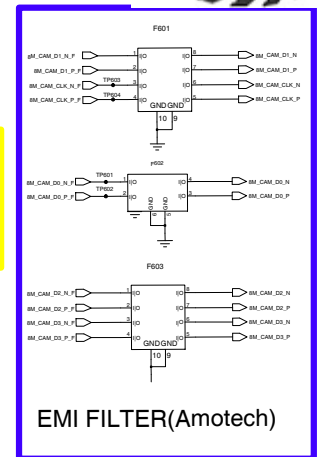




### 8-3-13. 8M CAM

MT Pro



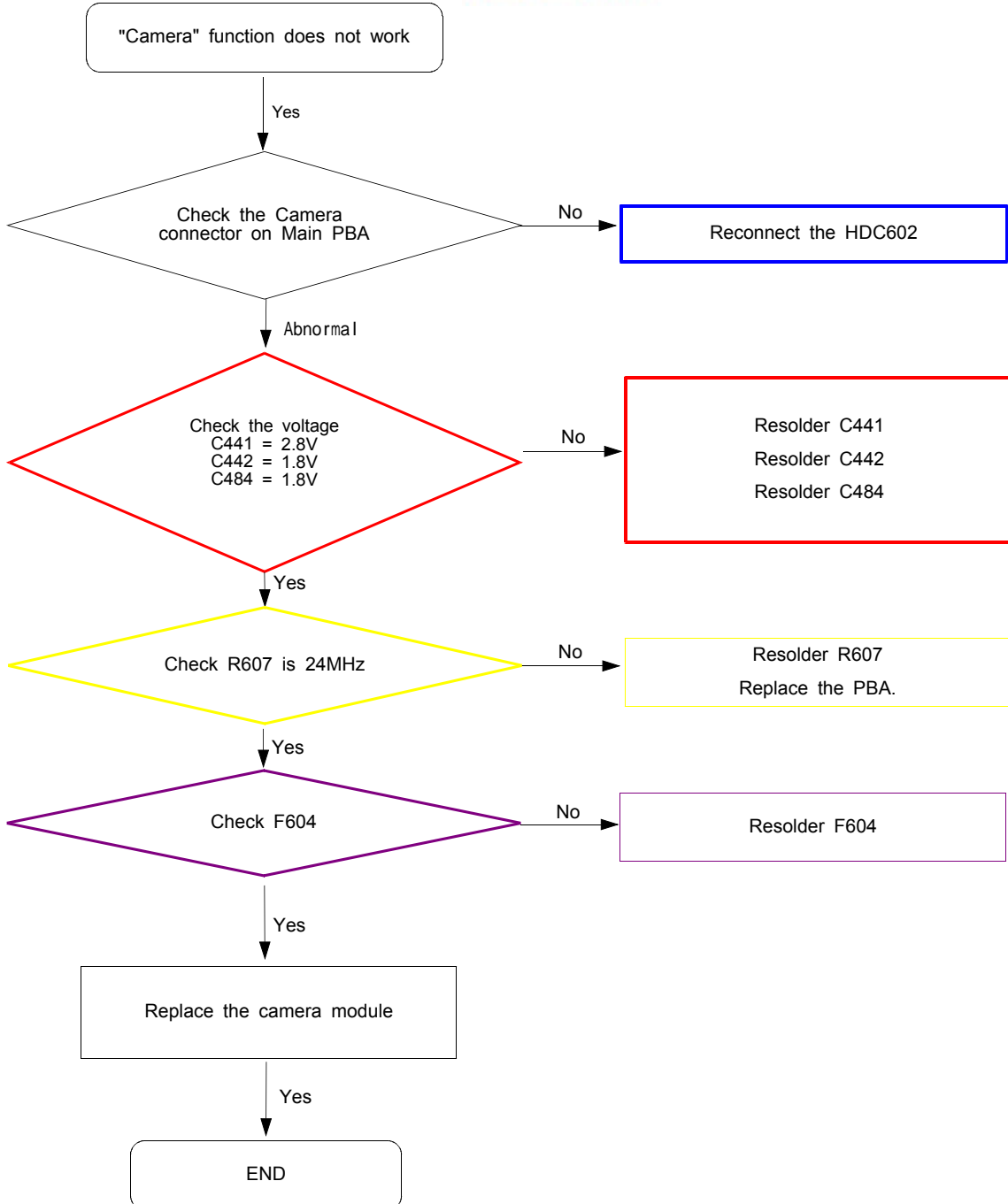






# 8-3-14. 2M CAM

MT Pro

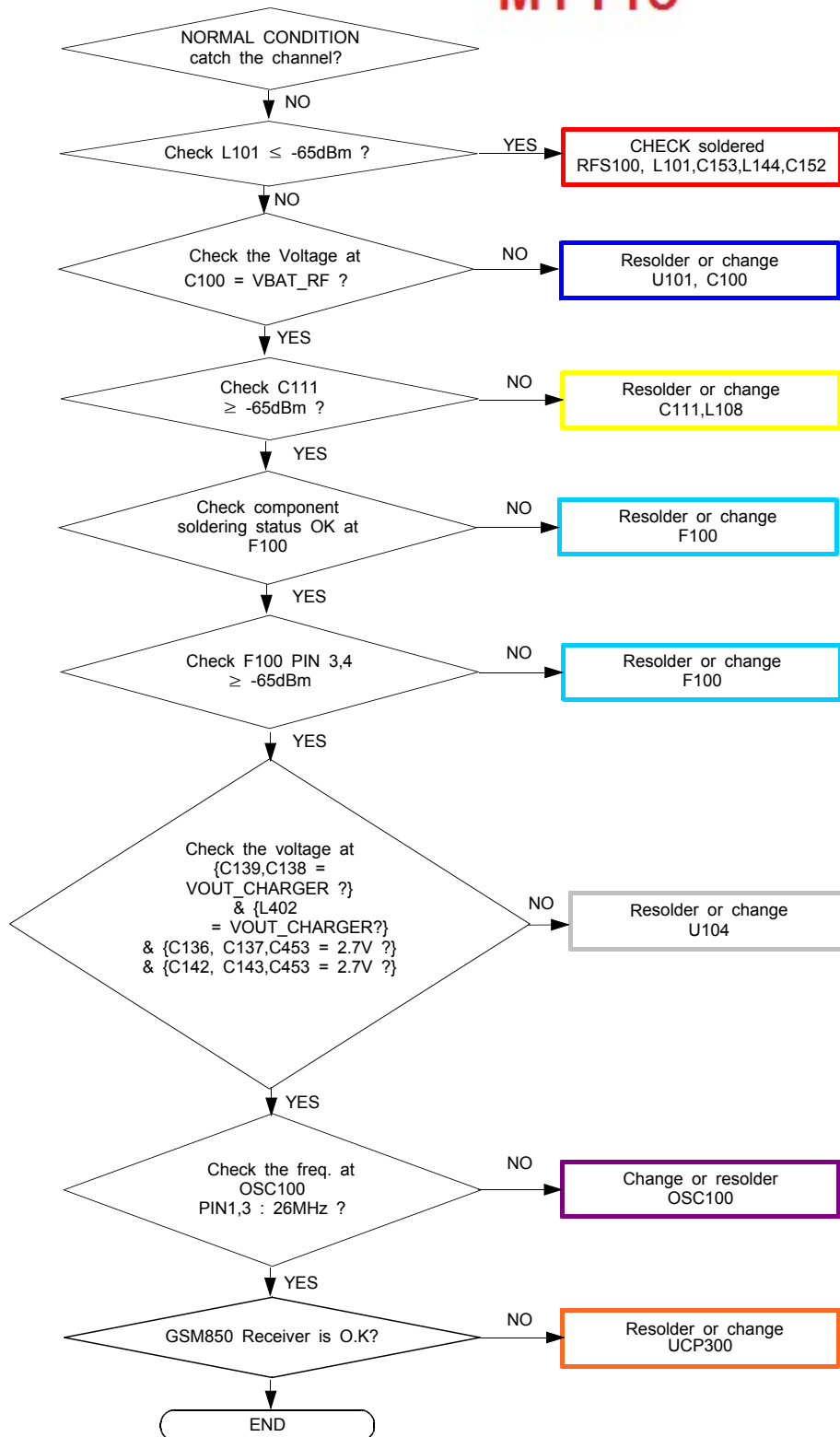


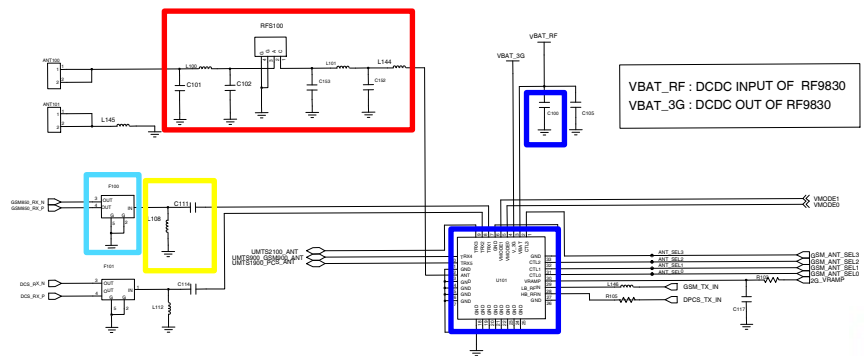




## 8-3-15. GSM850 RX

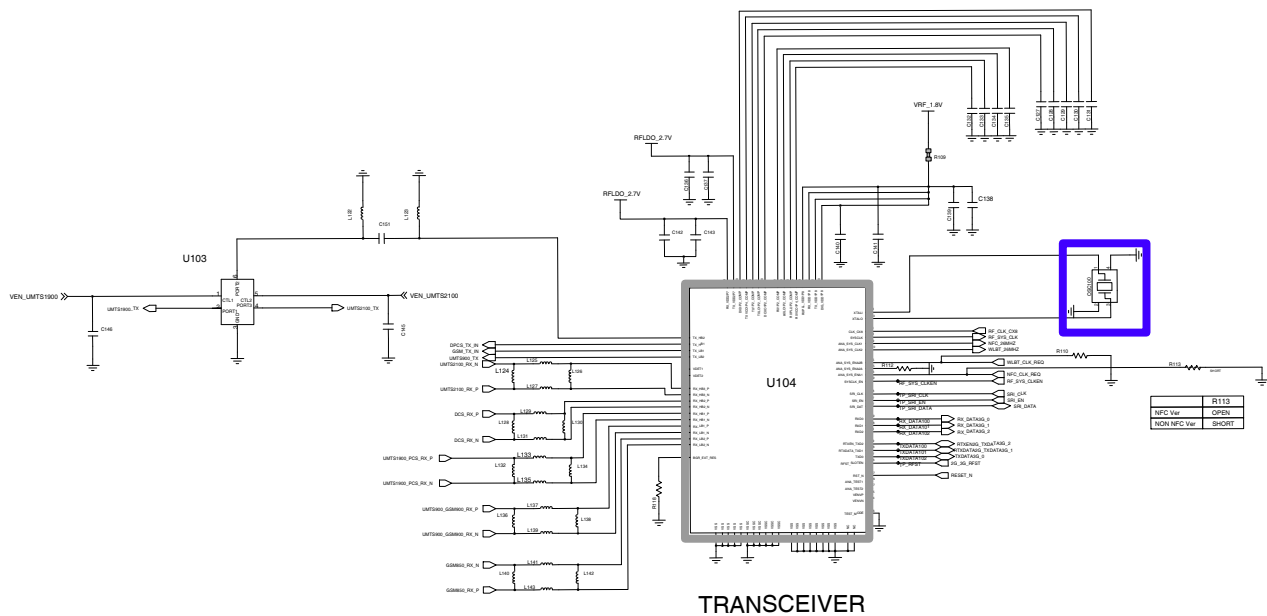
# MT Pro

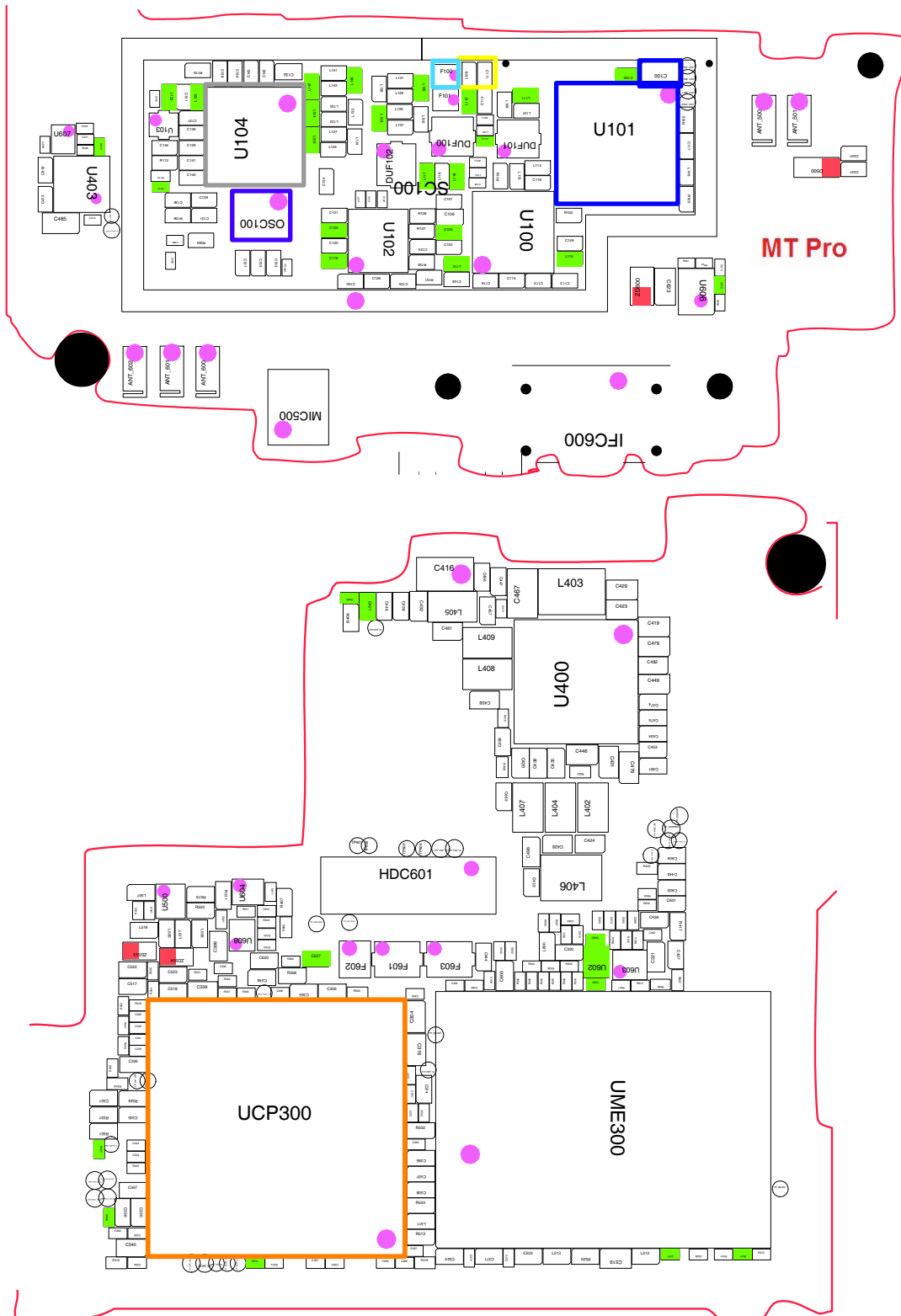




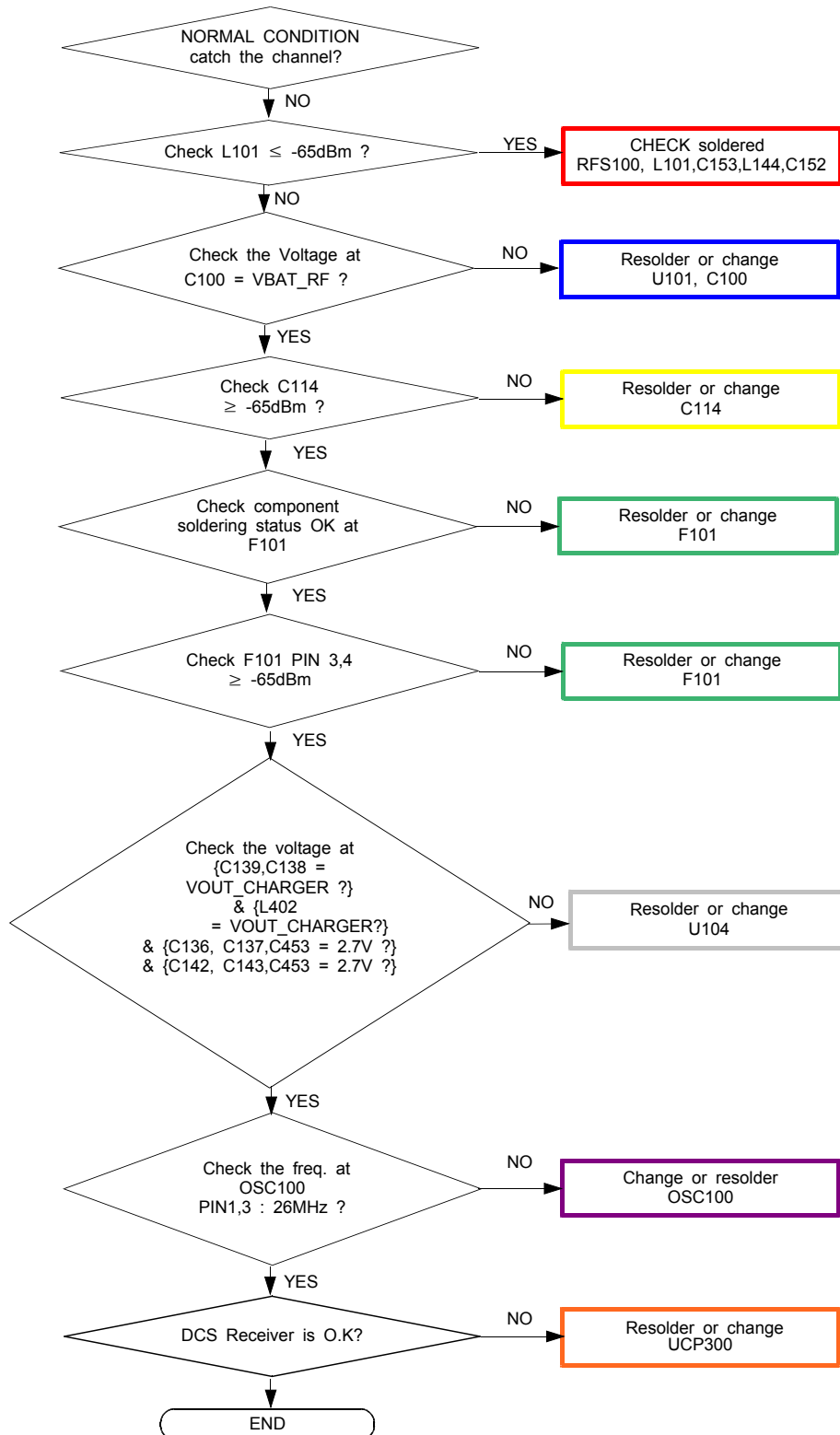
## MT Pro

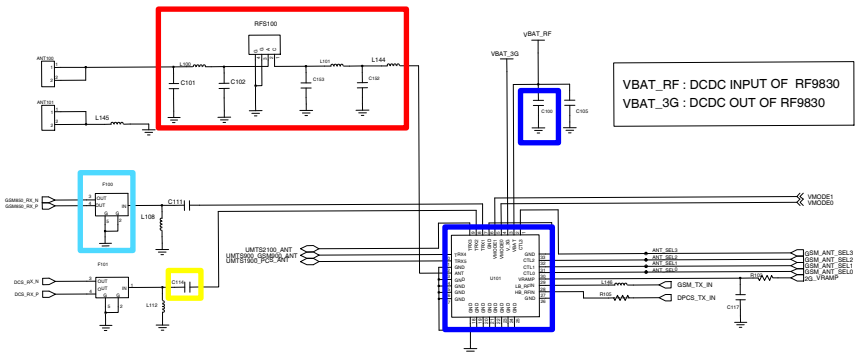
## 2G TX MODULE



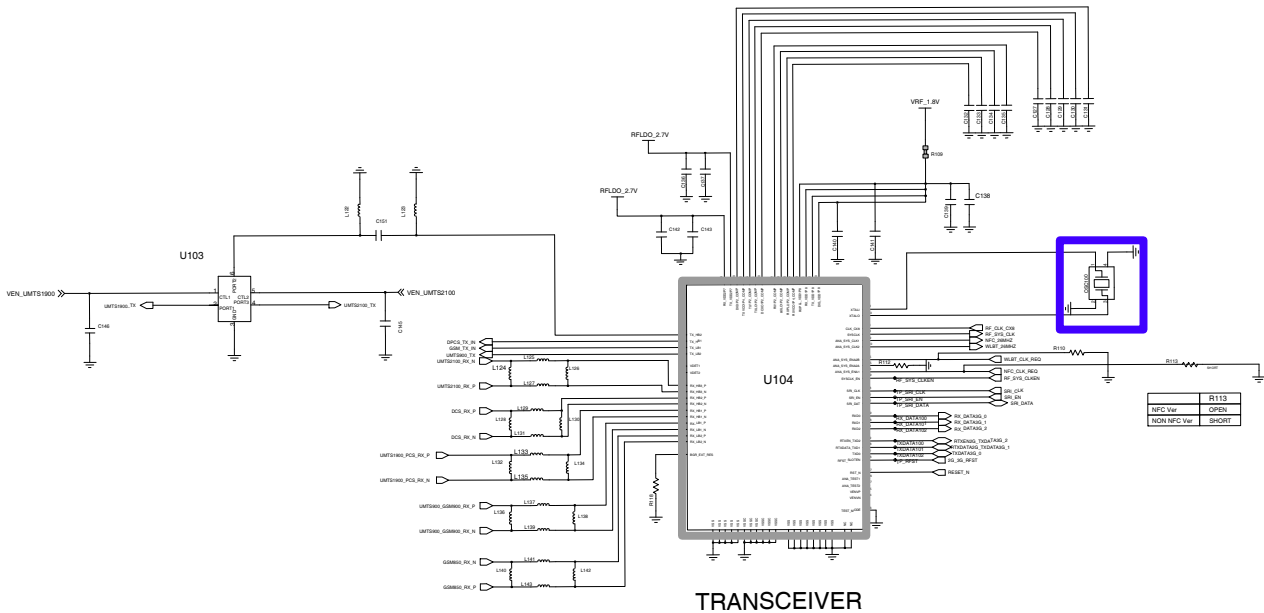


## 8-3-16. DCS RX

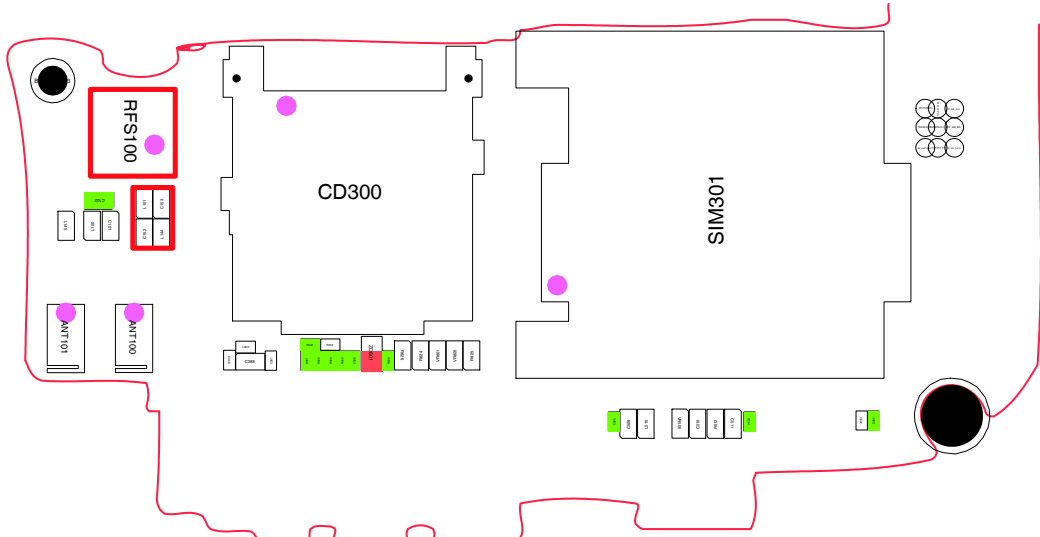




2G TX MODULE



TRANSCEIVER

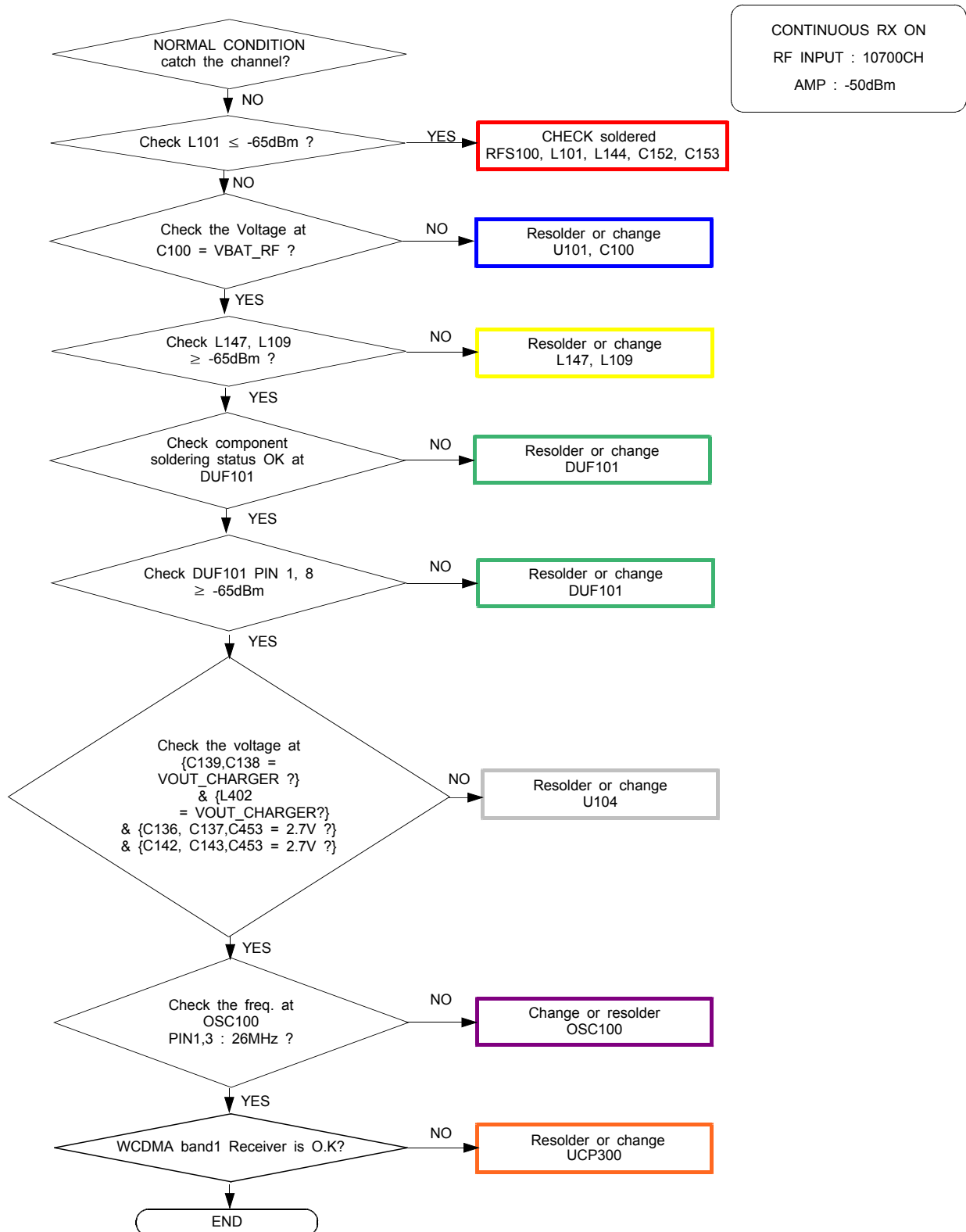


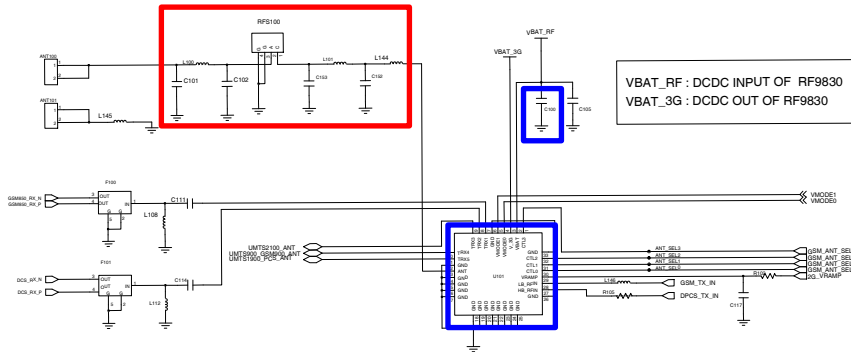




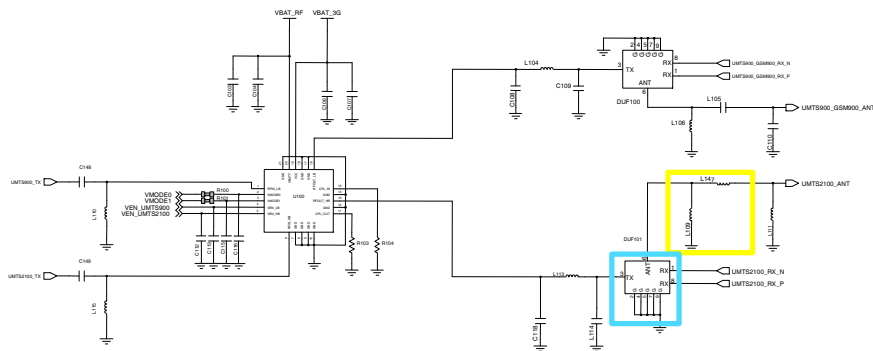


## 8-3-17. WCDMA Band1 RX

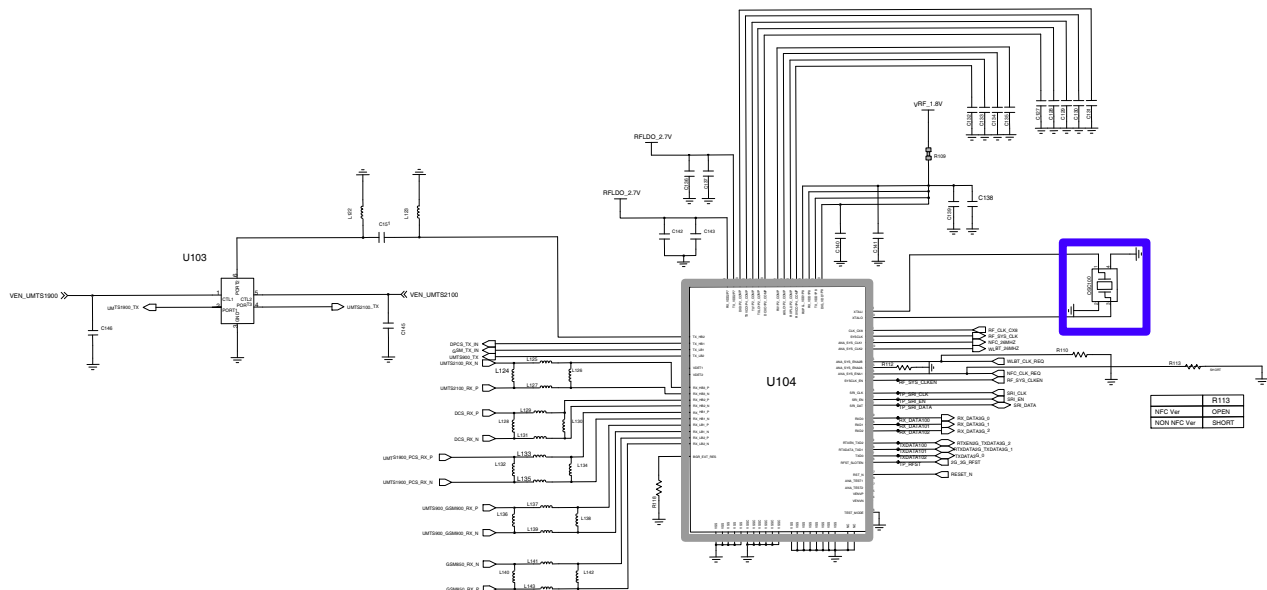




## 2G TX MODULE



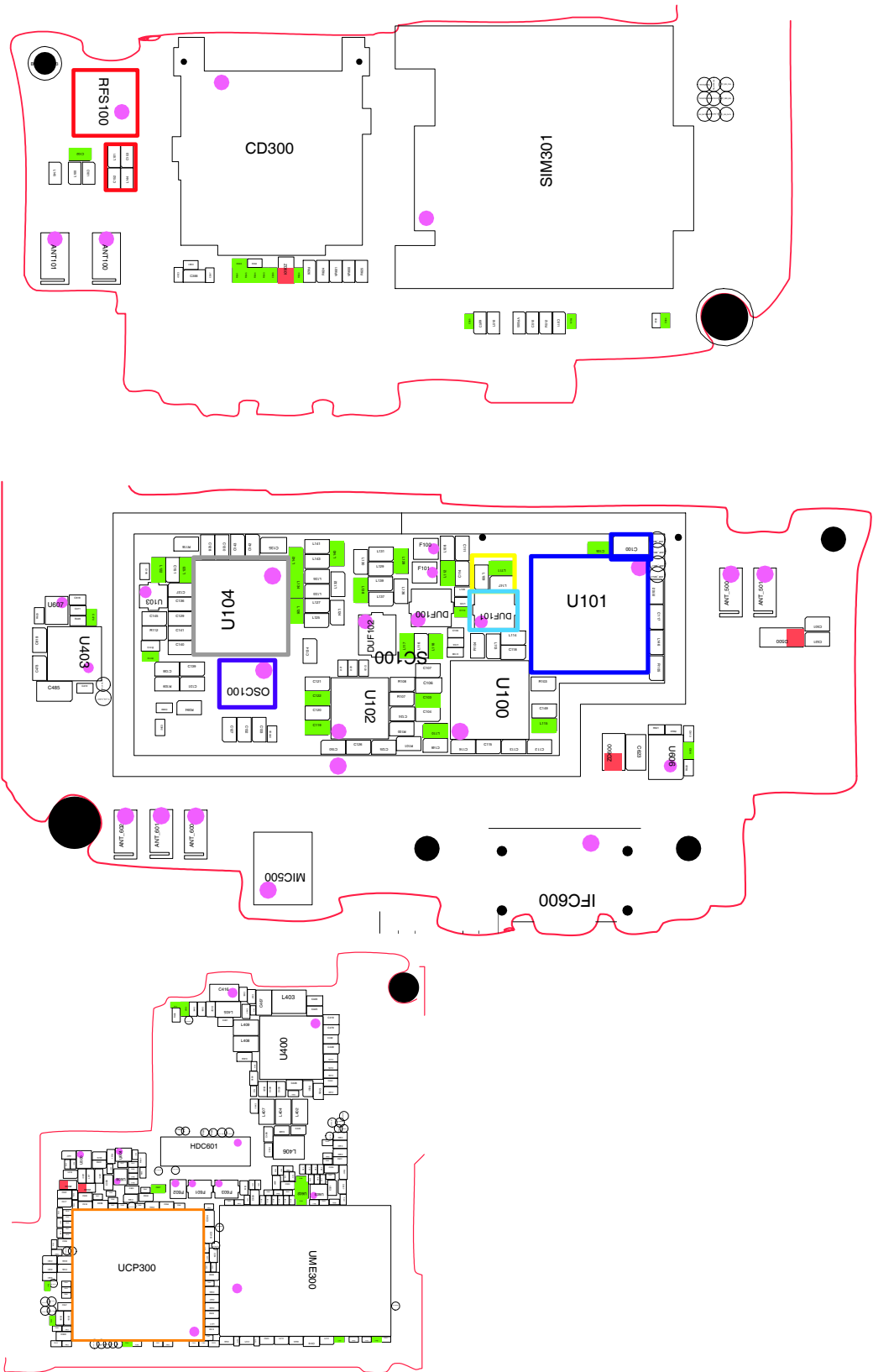
## 3G DUAL PA(EU BAN1, 8)



## TRANSCEIVER

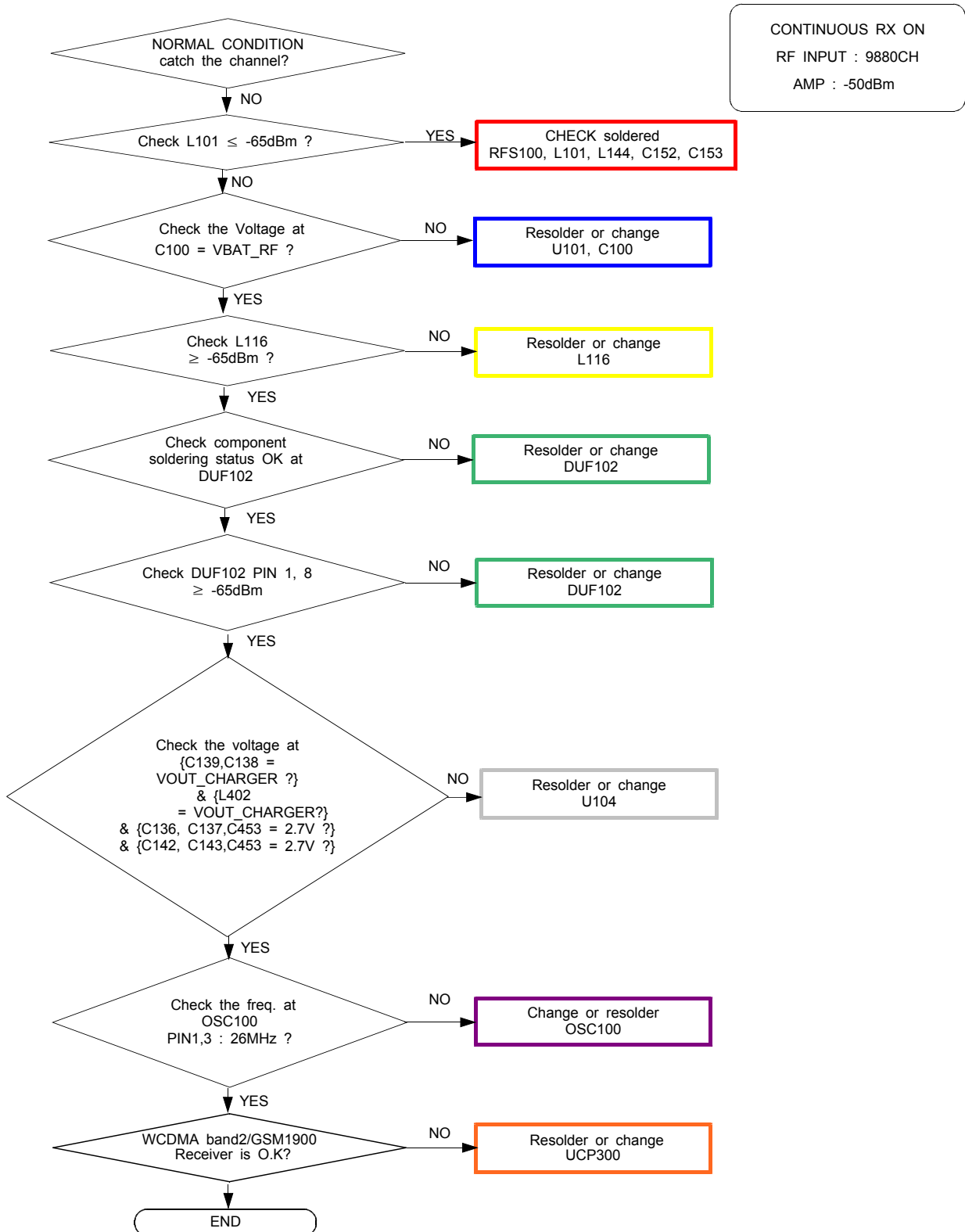


Level 3 Repair



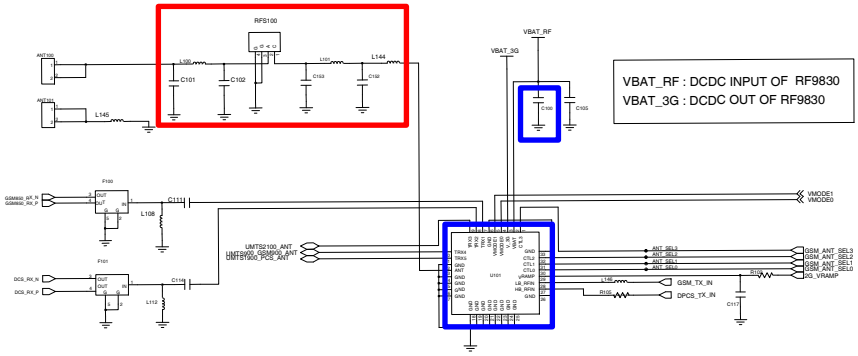


### 8-3-18. WCDMA Band2 / GSM1900 RX

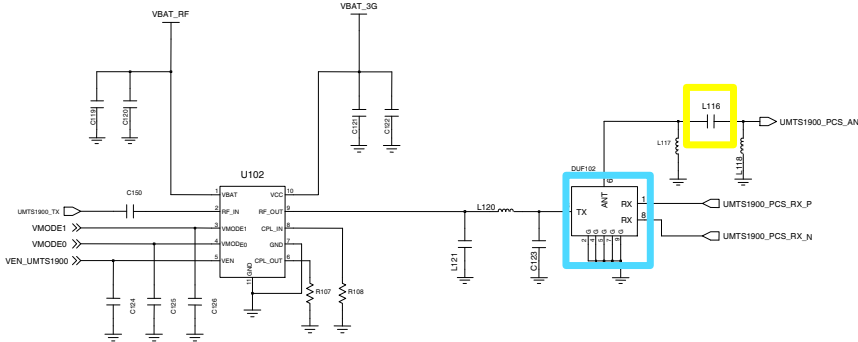




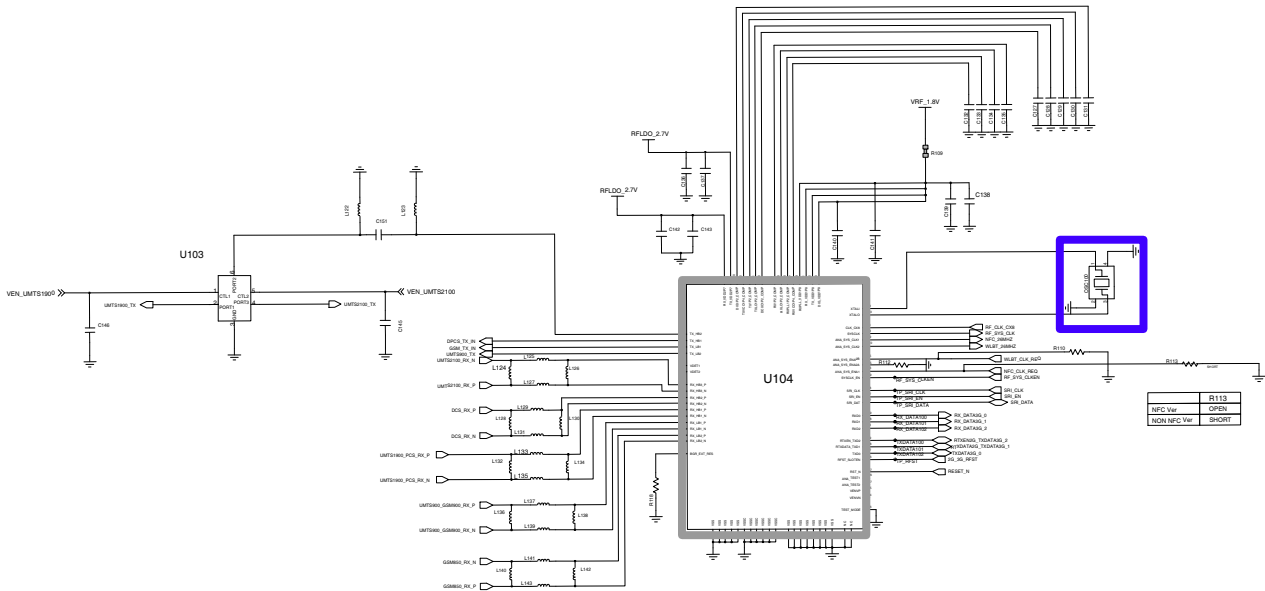
Level 3 Repair



2G TX MODULE



3G PA(LA BAND2)

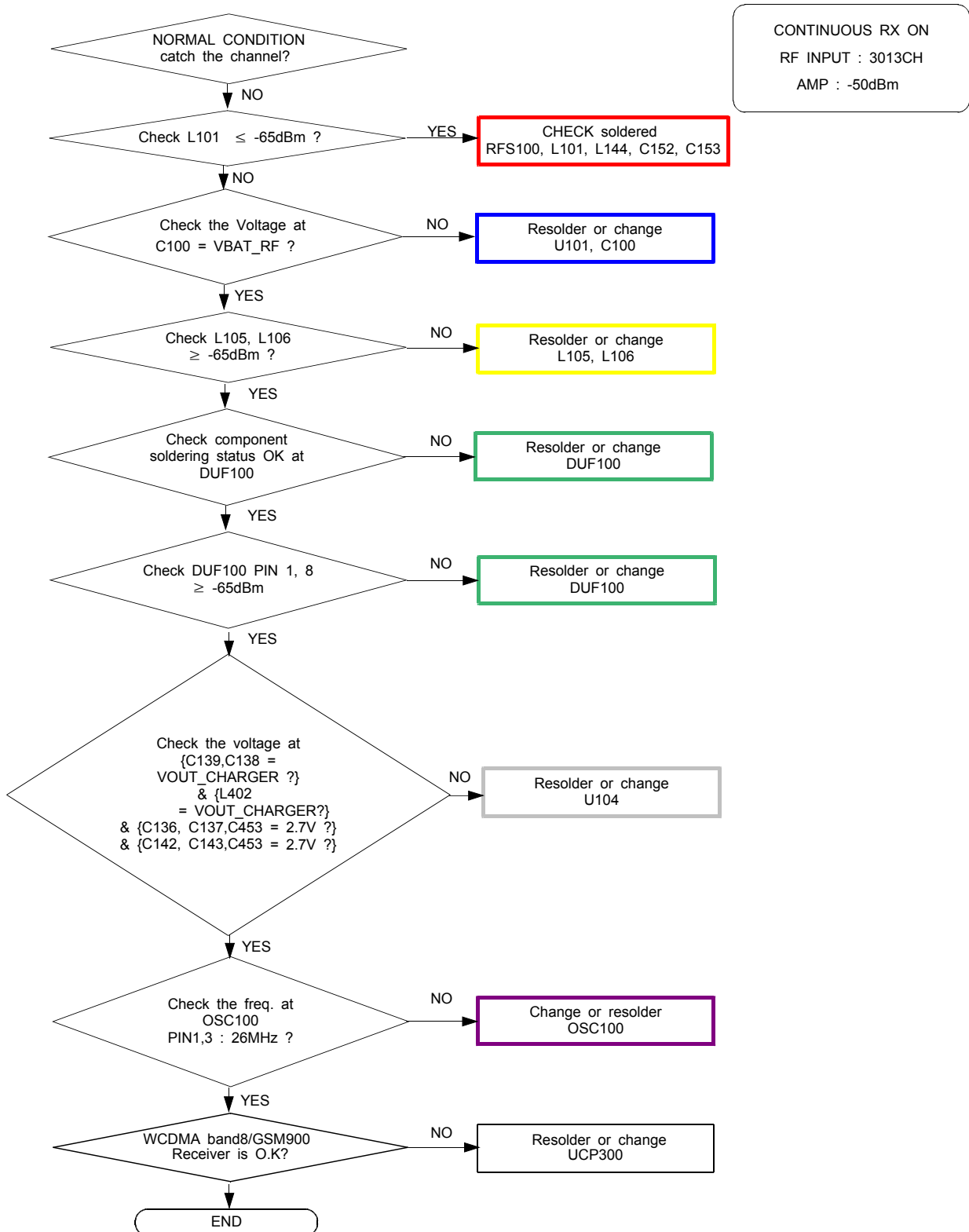


TRANSCIVER

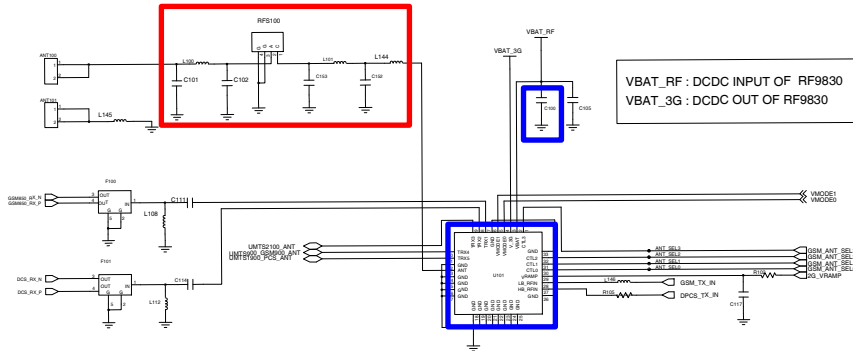




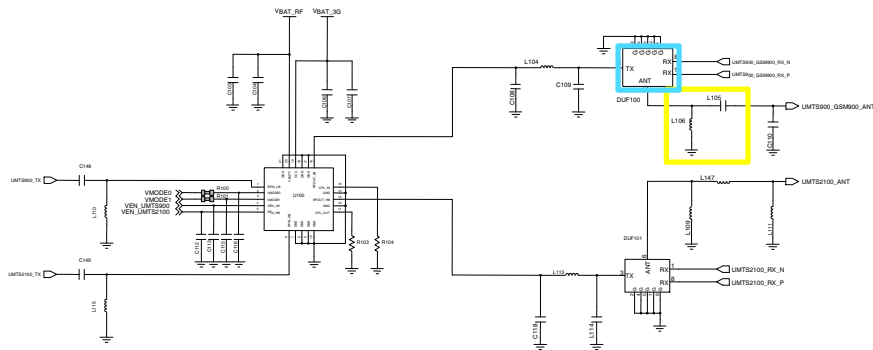
## 8-3-19. WCDMA Band8 / GSM900 RX



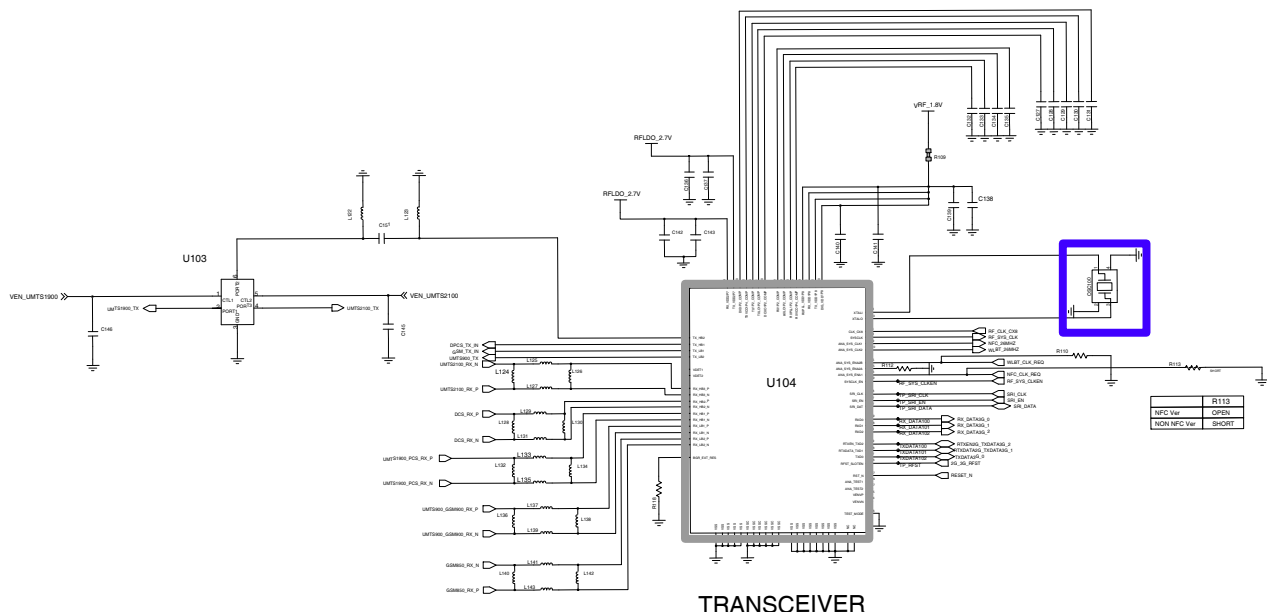




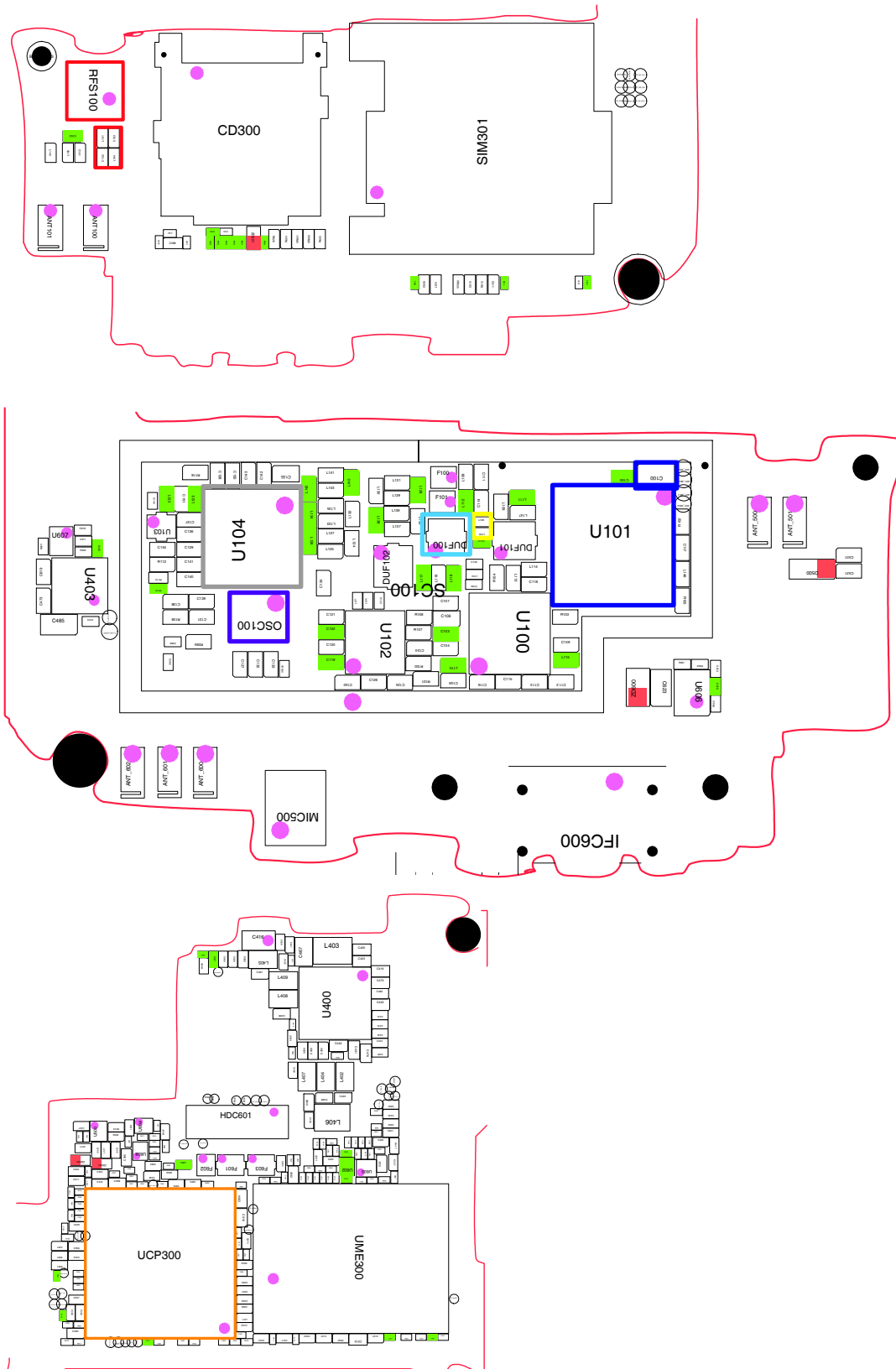
## 2G TX MODULE



## 3G DUAL PA(EU BAN1, 8)



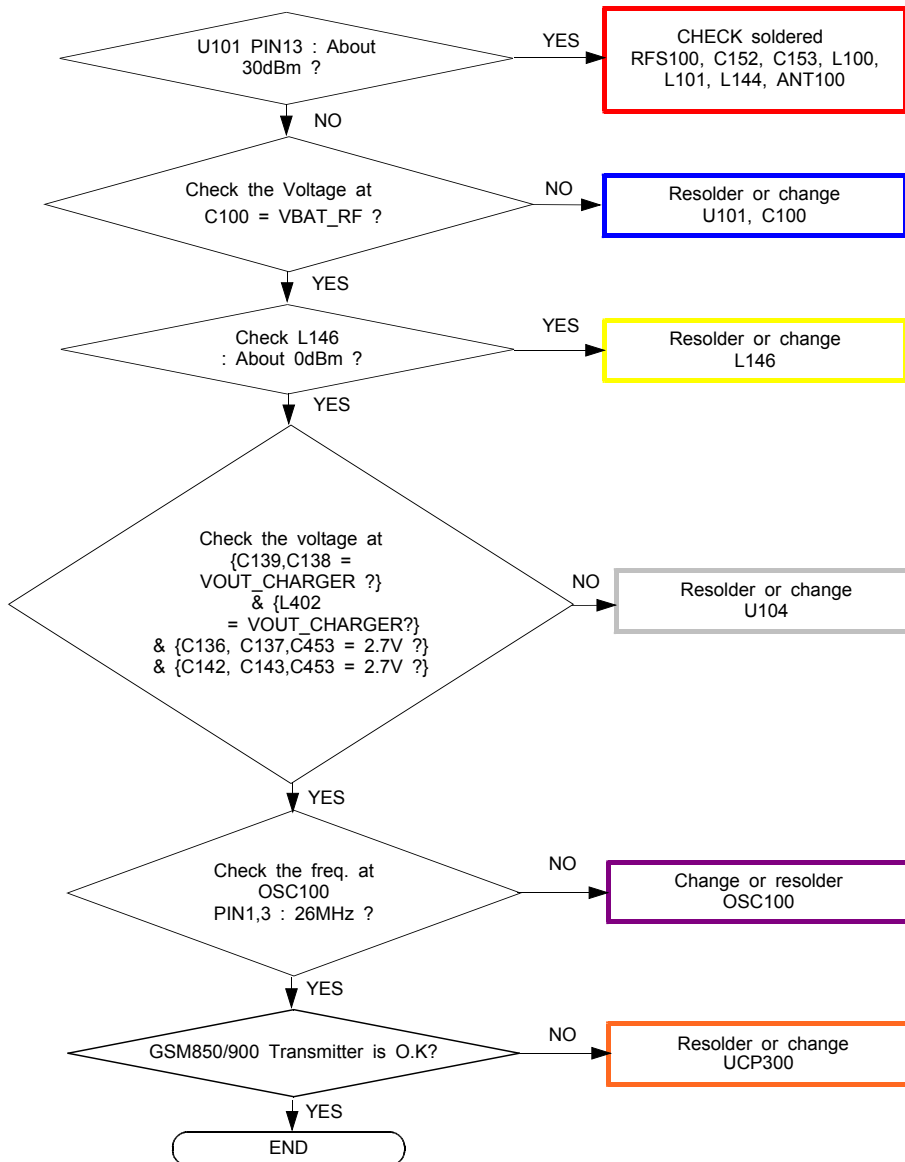
## TRANSCIEVER





## 8-3-20. GSM850/GSM900 TX

CONTINUOUS TX ON CONDITION  
TX POWER DAC:14500 CODE  
APPLIED  
GSM850 CH : 190  
GSM900 CH : 62  
RBW : 100KHz  
VBW : 100KHz  
SPAN : 10MHz  
REF LEV. : 10dBm  
ATT. : 20dB



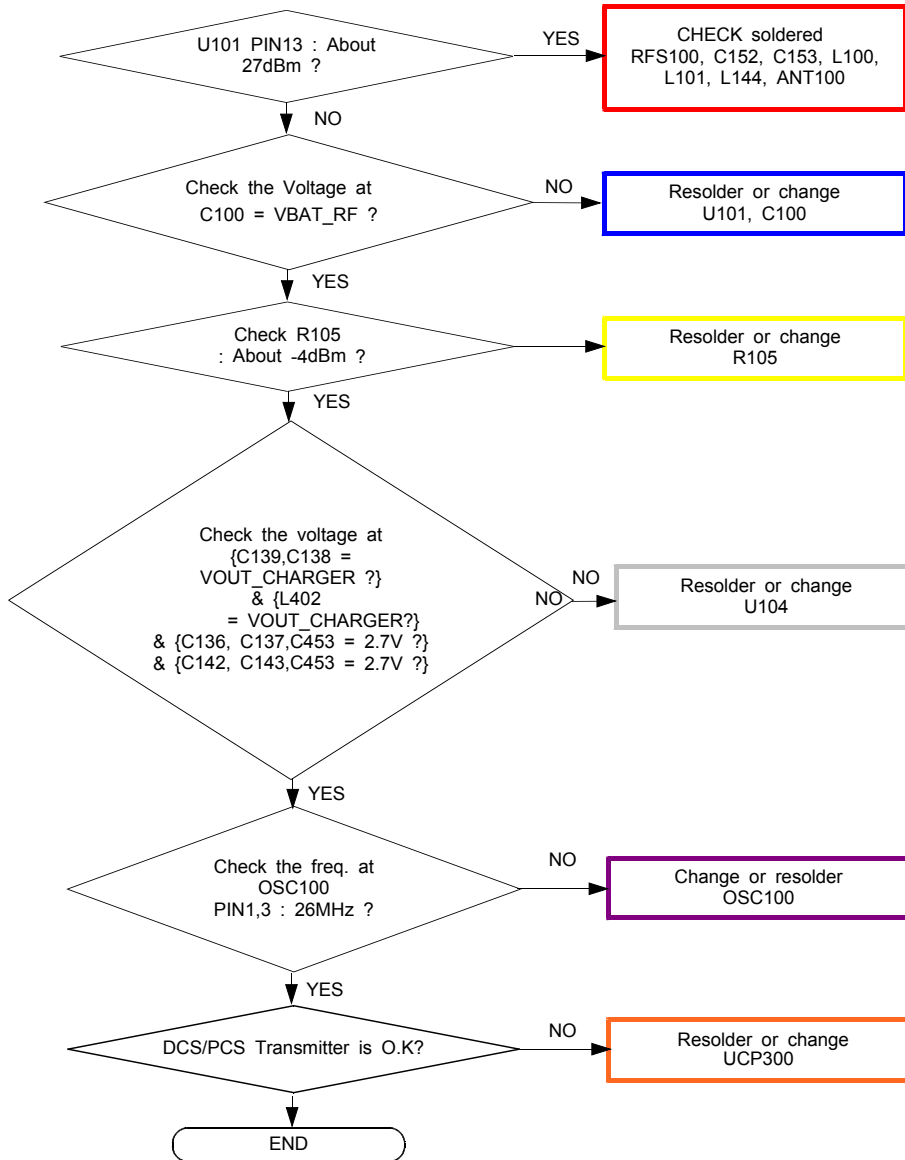




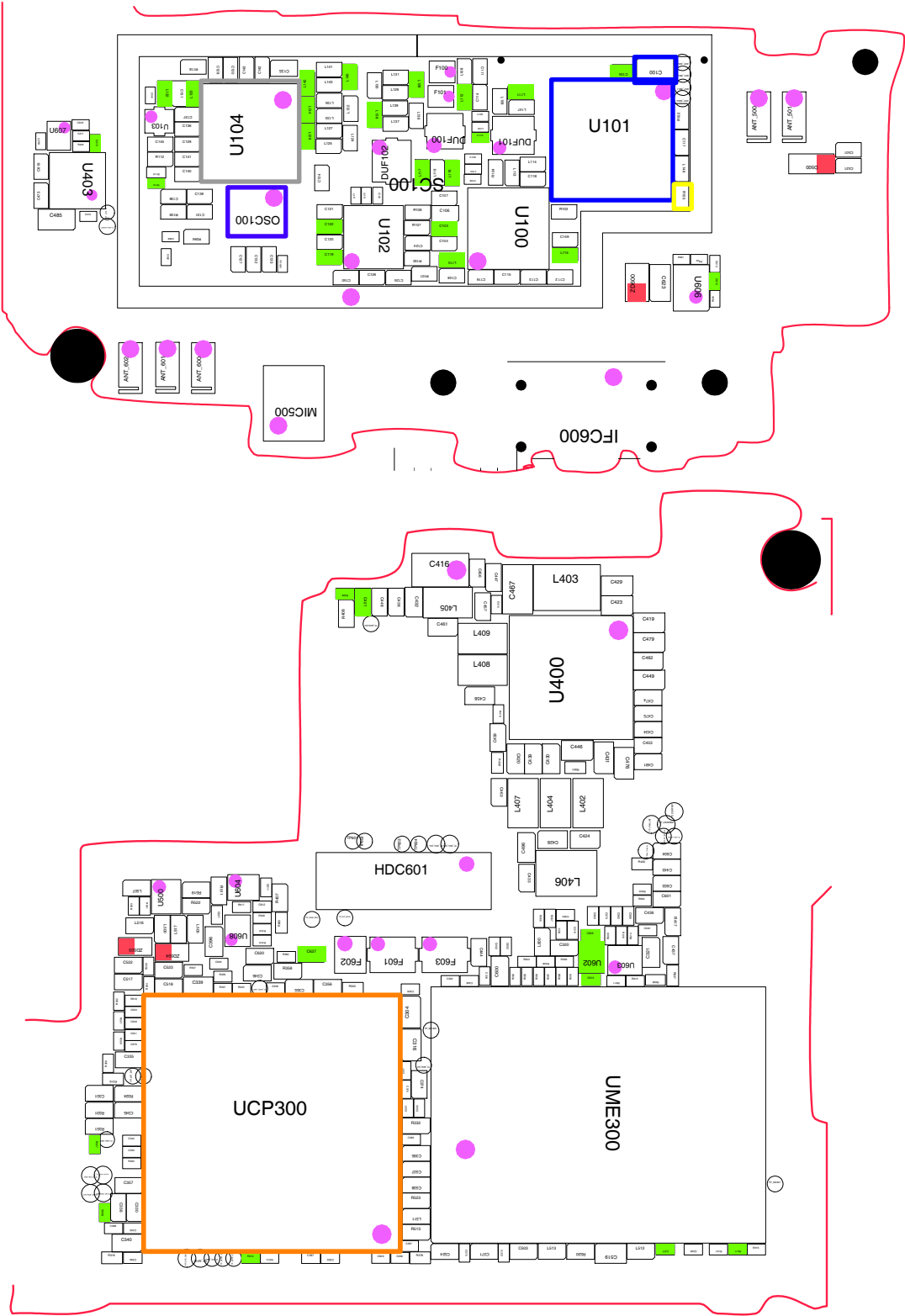


# 8-3-21. DCS/PCS TX

CONTINUOUS TX ON CONDITION  
TX POWER DAC:14500 CODE  
APPLIED  
DCS CH : 685  
PCS CH : 661  
RBW : 100KHz  
VBW : 100KHz  
SPAN : 10MHz  
REF LEV. : 10dBm  
ATT. : 20dB





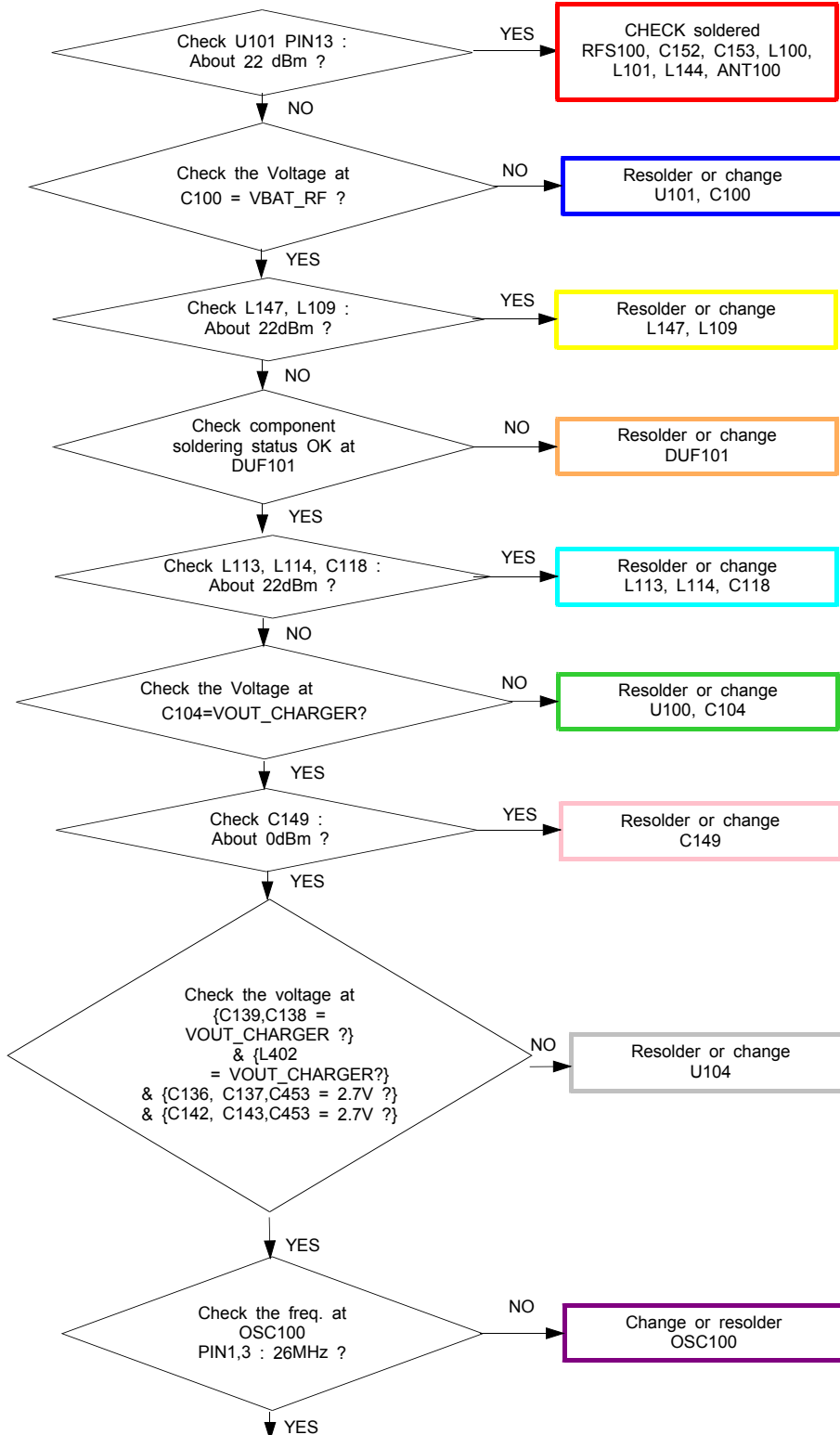


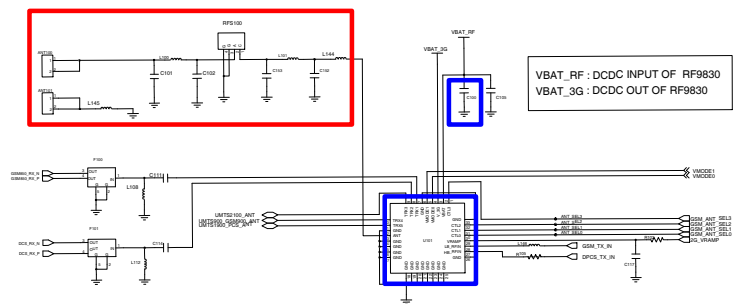
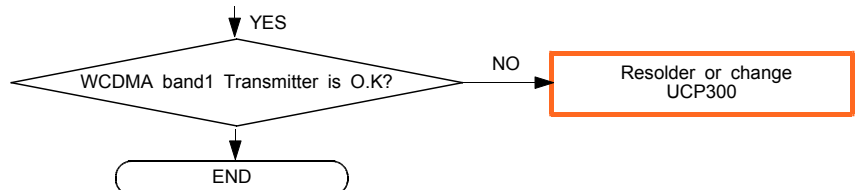




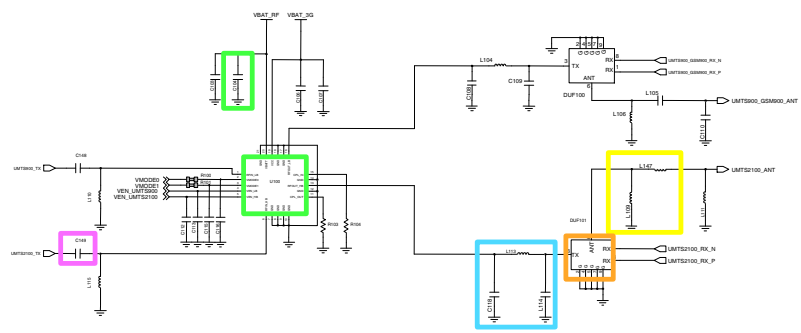
## 8-3-22. WCDMA BAND1 TX

CONTINUOUS TX ON CONDITION  
TX POWER\_DAC:14500 CODE  
APPLIED  
WCDMA Band1 CH : 10700  
RBW : 100KHz  
VBW : 100KHz  
SPAN : 10MHz  
REF. LEV. : 10dBm  
ATT. : 20dB

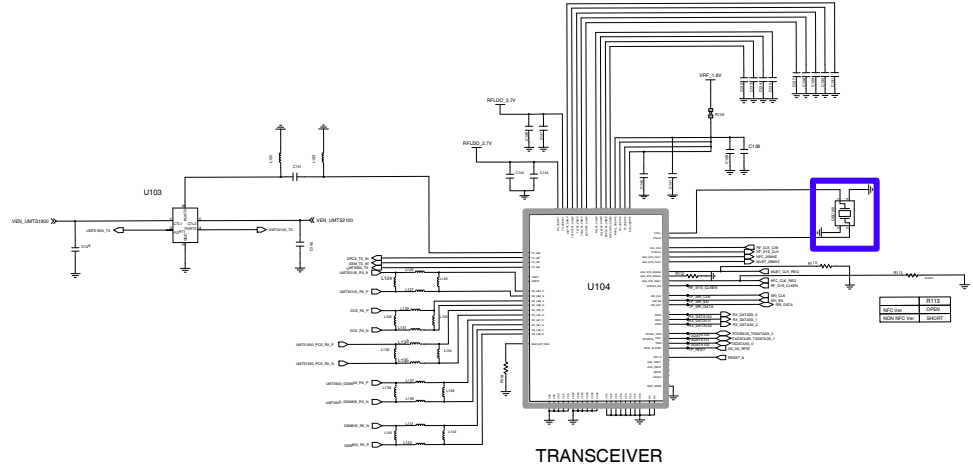




2G TX MODULE



3G DUAL PA(EU BAN1, 8)

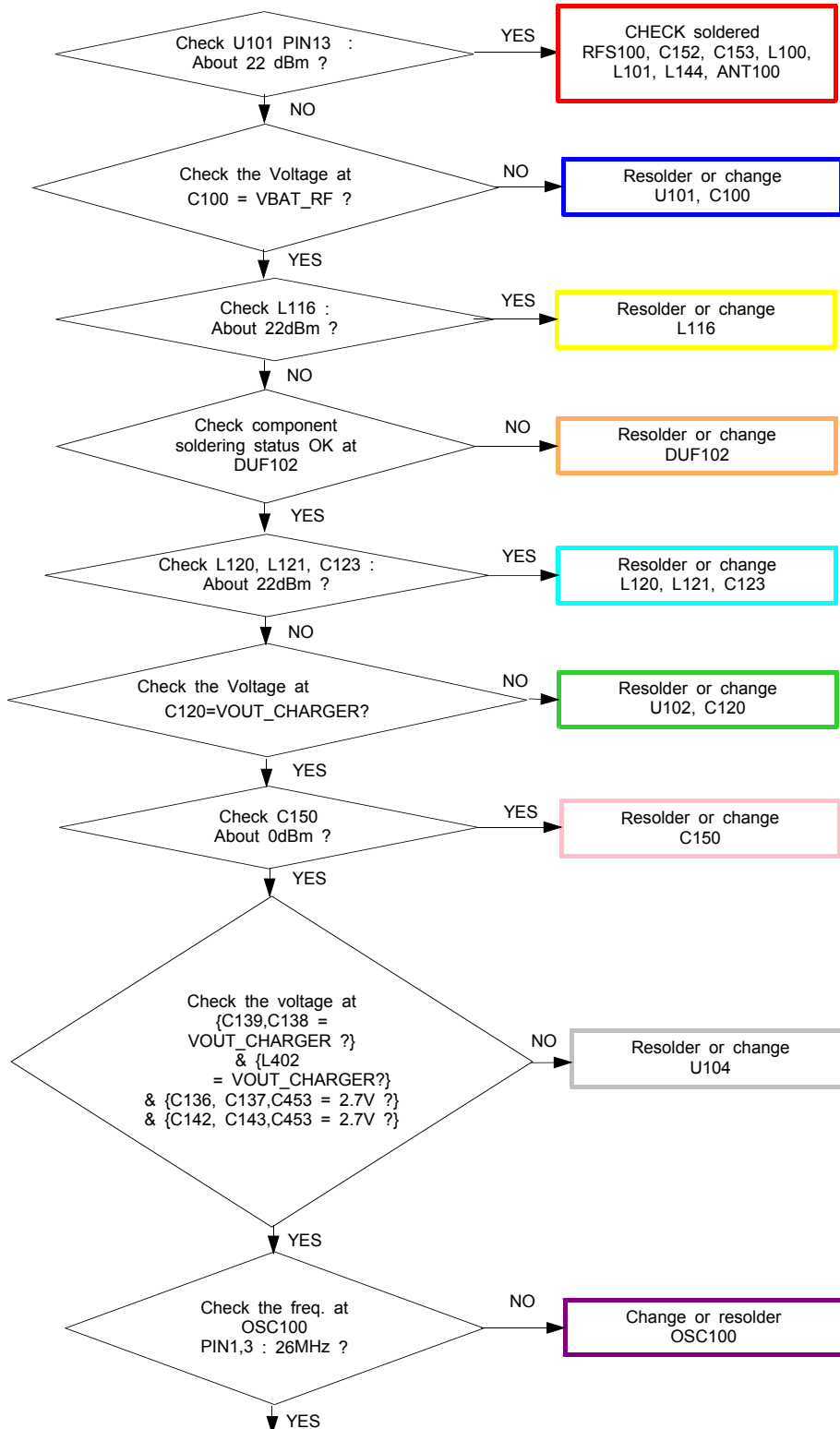


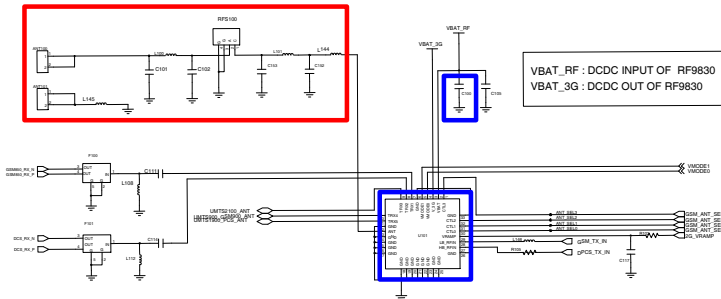
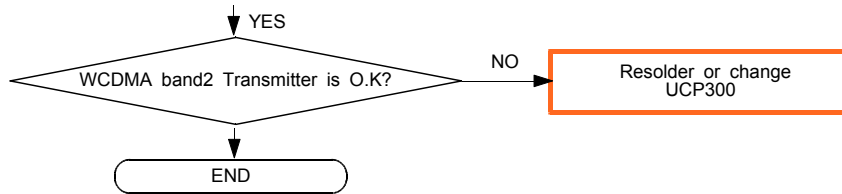
TRANSCEIVER



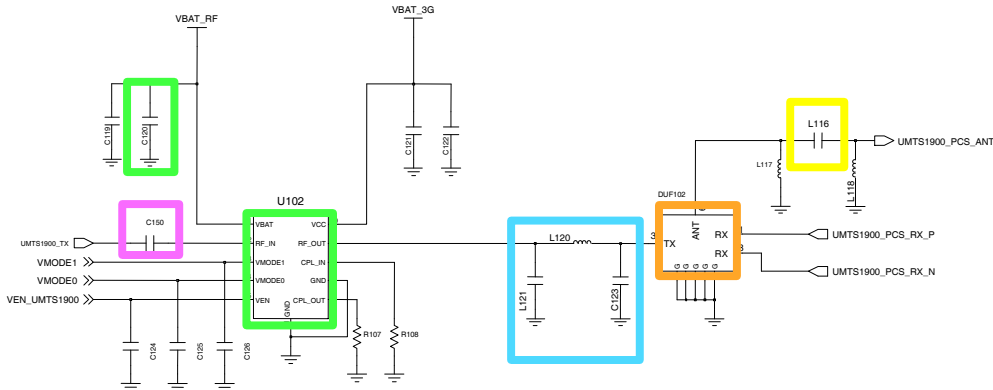


## 8-3-23. WCDMA BAND2 TX

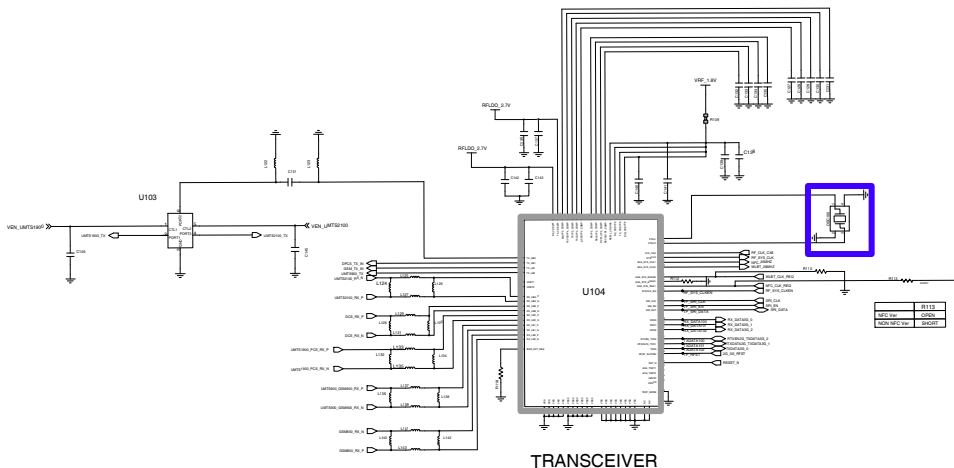


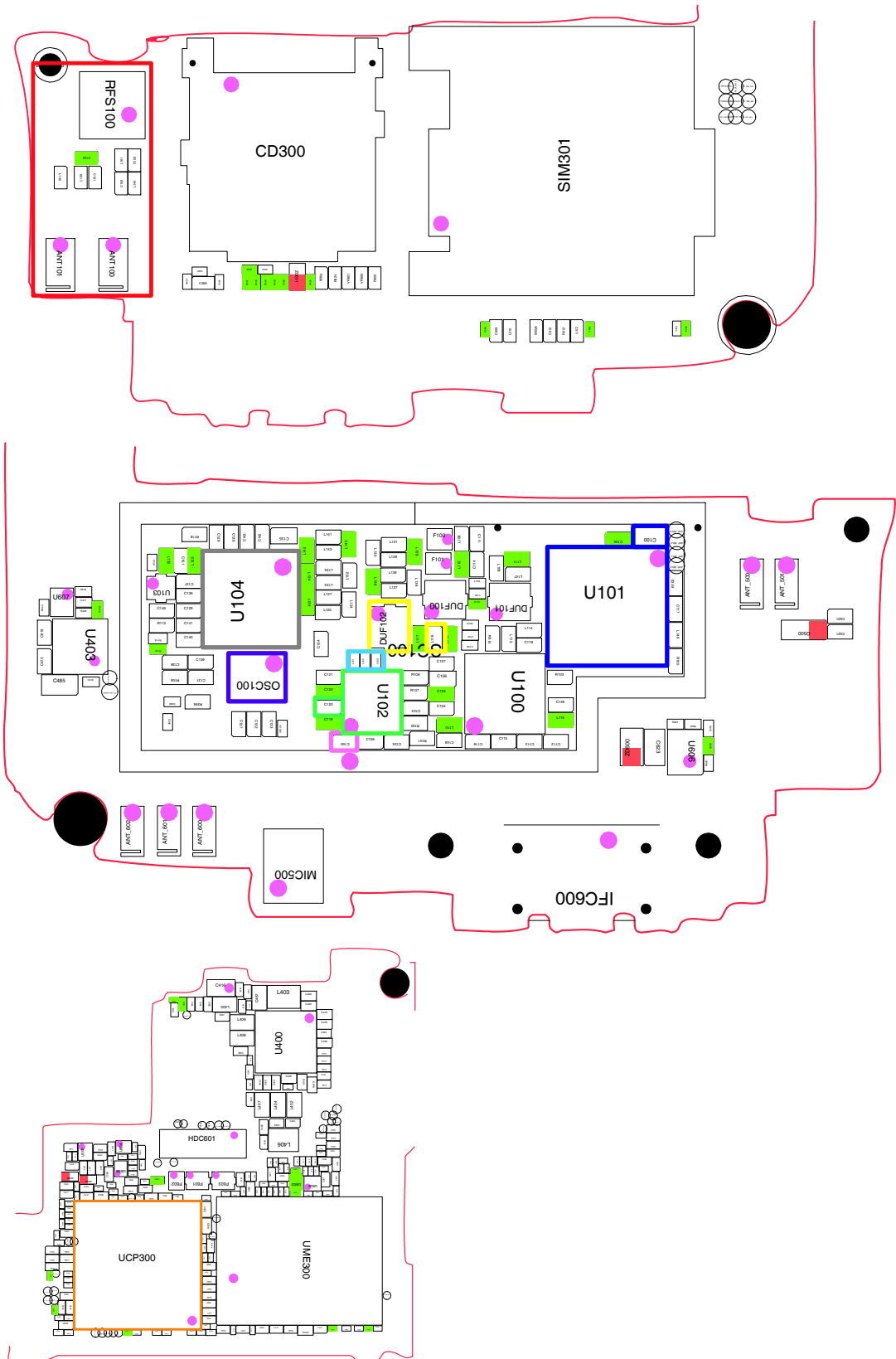


## 2G TX MODULE



## 3G PA(LA BAND2)





## 8-3-24. WCDMA BAND8 TX

