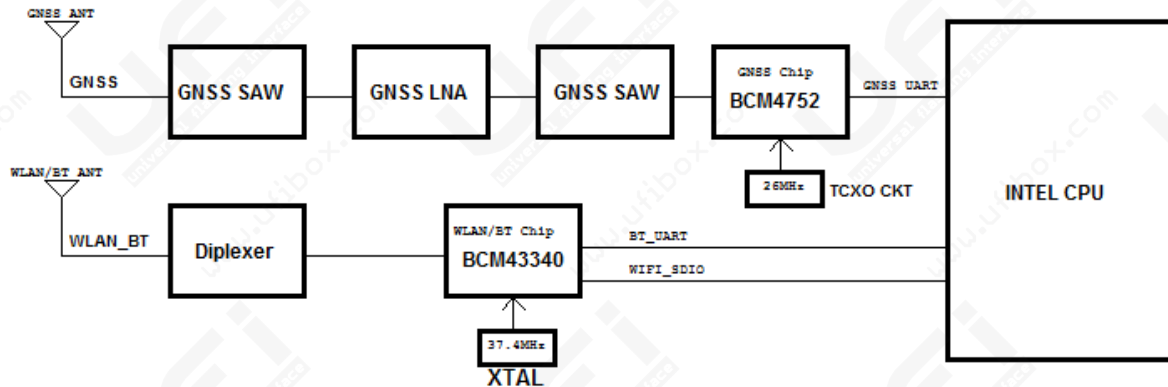
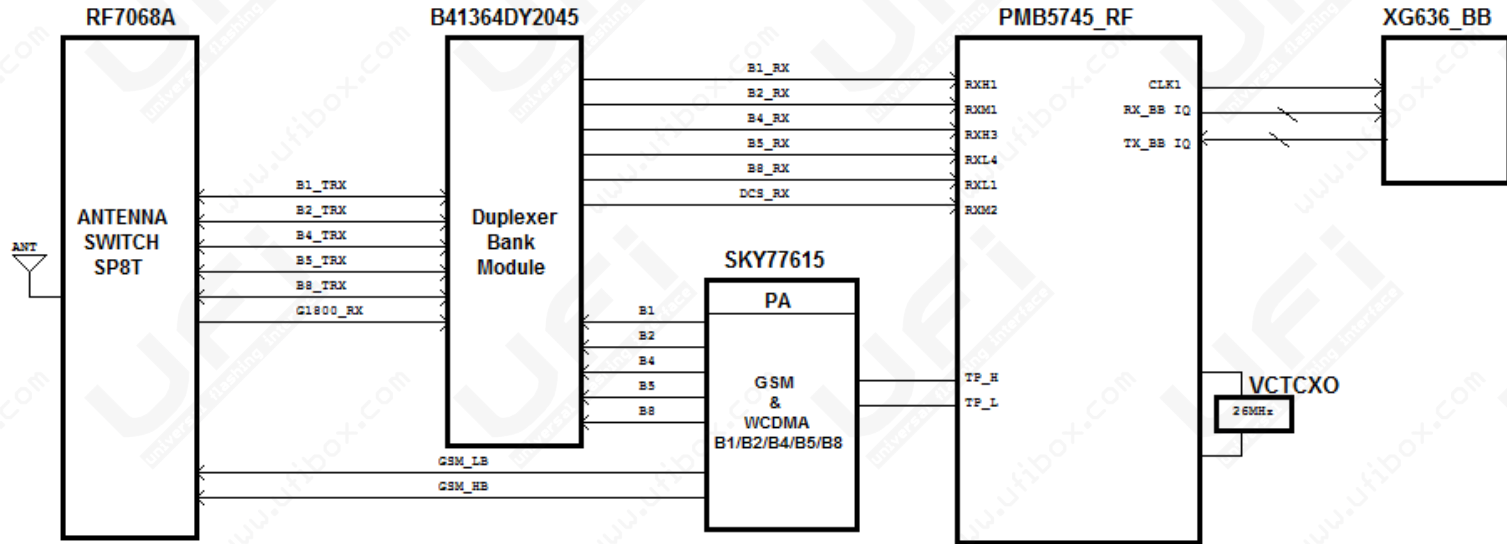
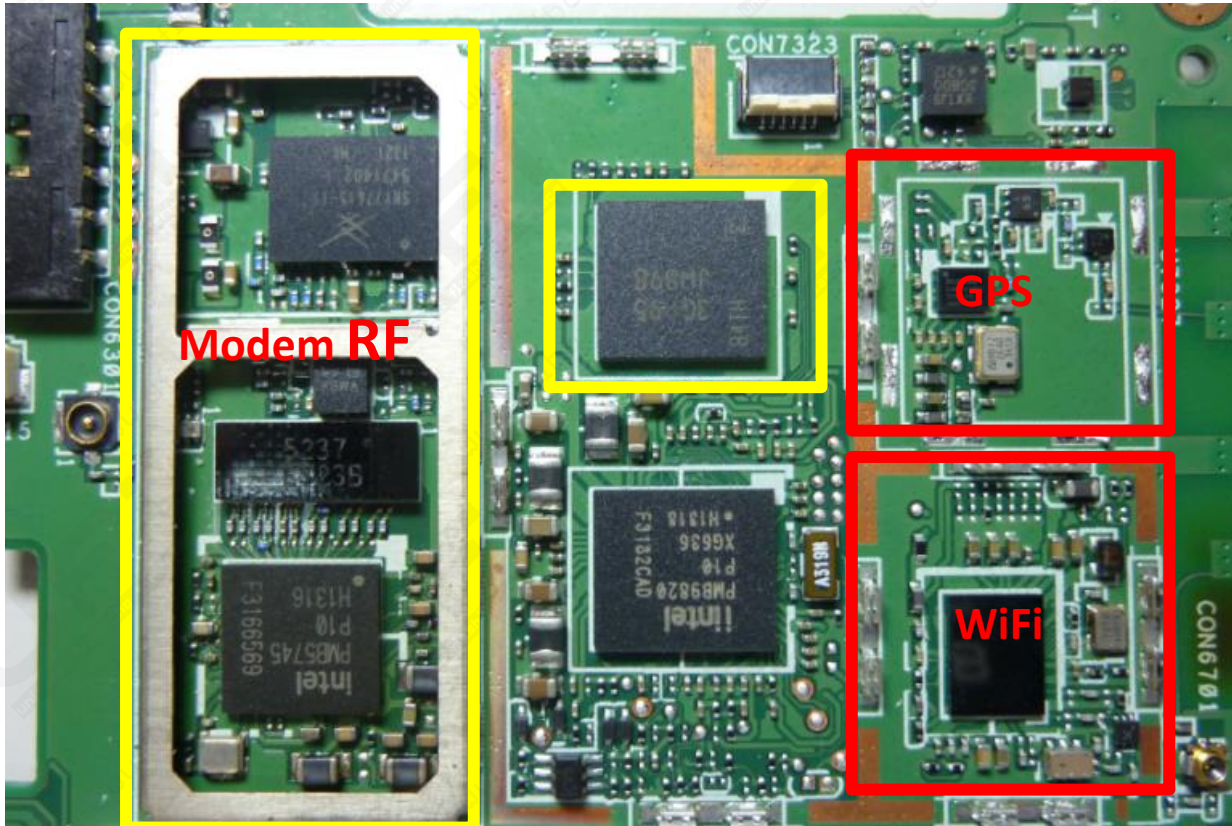


# ME372CG RF Trouble Shooting

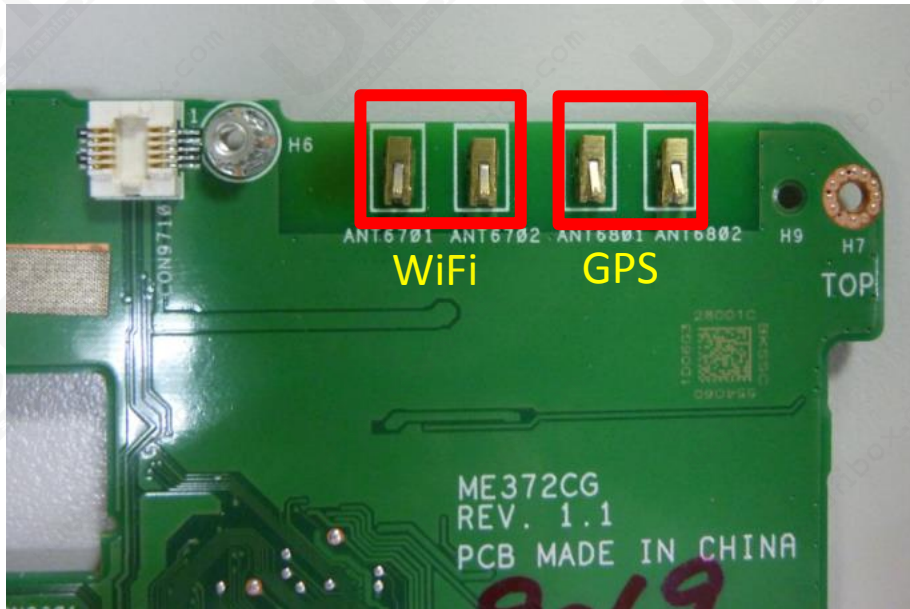
# RF Block Diagram



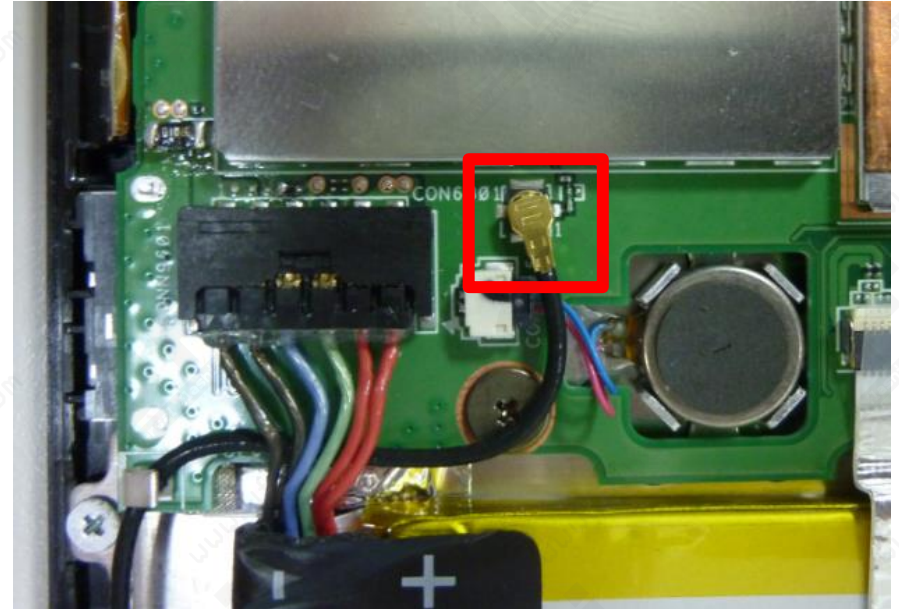
# RF Function Block



# No Signal

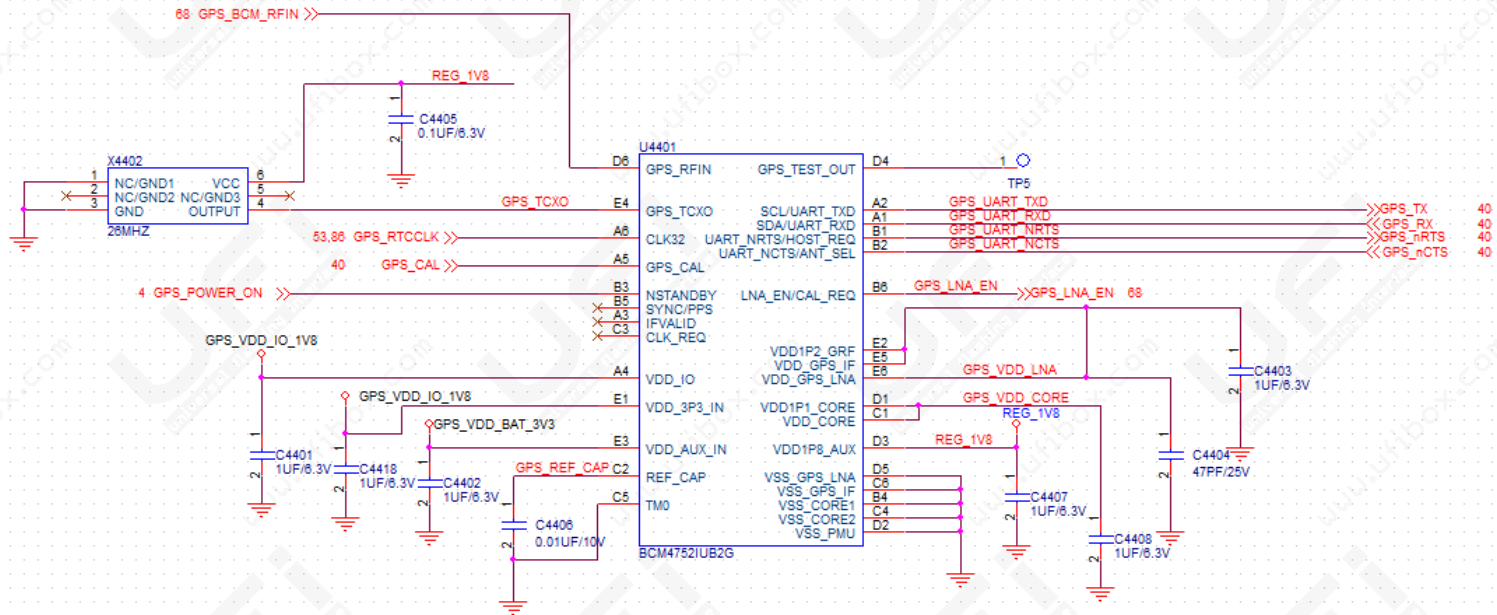


Checking GPS or WiFi spring is broken or not



Checking 3G antenna connection

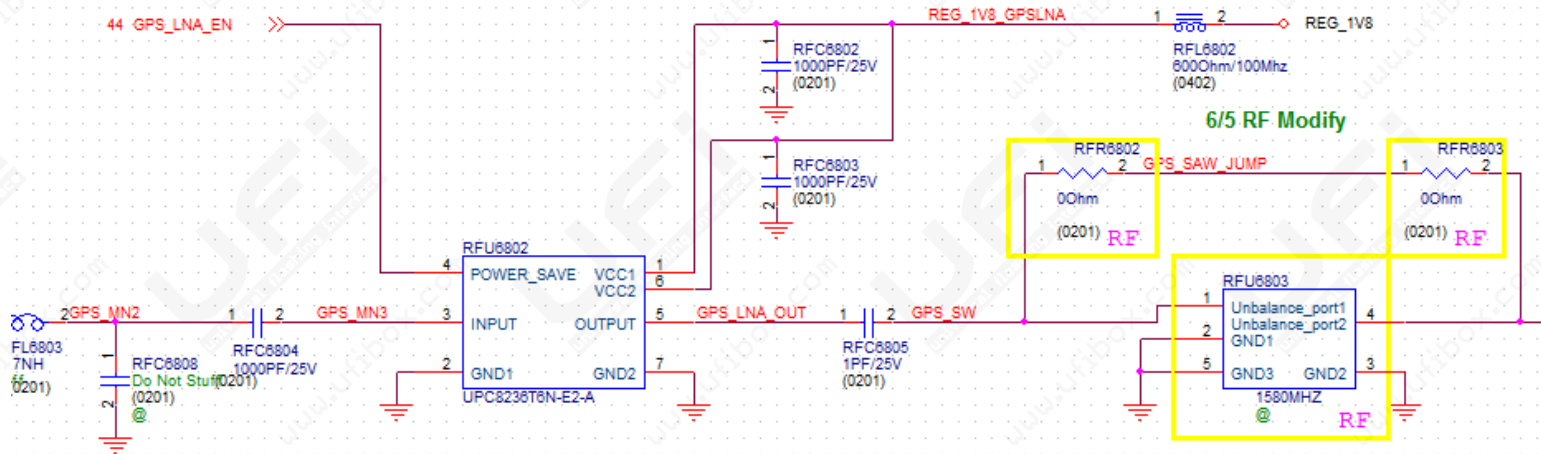
# GPS no function



1. Check GPS\_VDD\_IO\_1V8 and GPS\_VDD\_BAT\_3V3
2. Check GPS\_TCXO is 26MHz or not

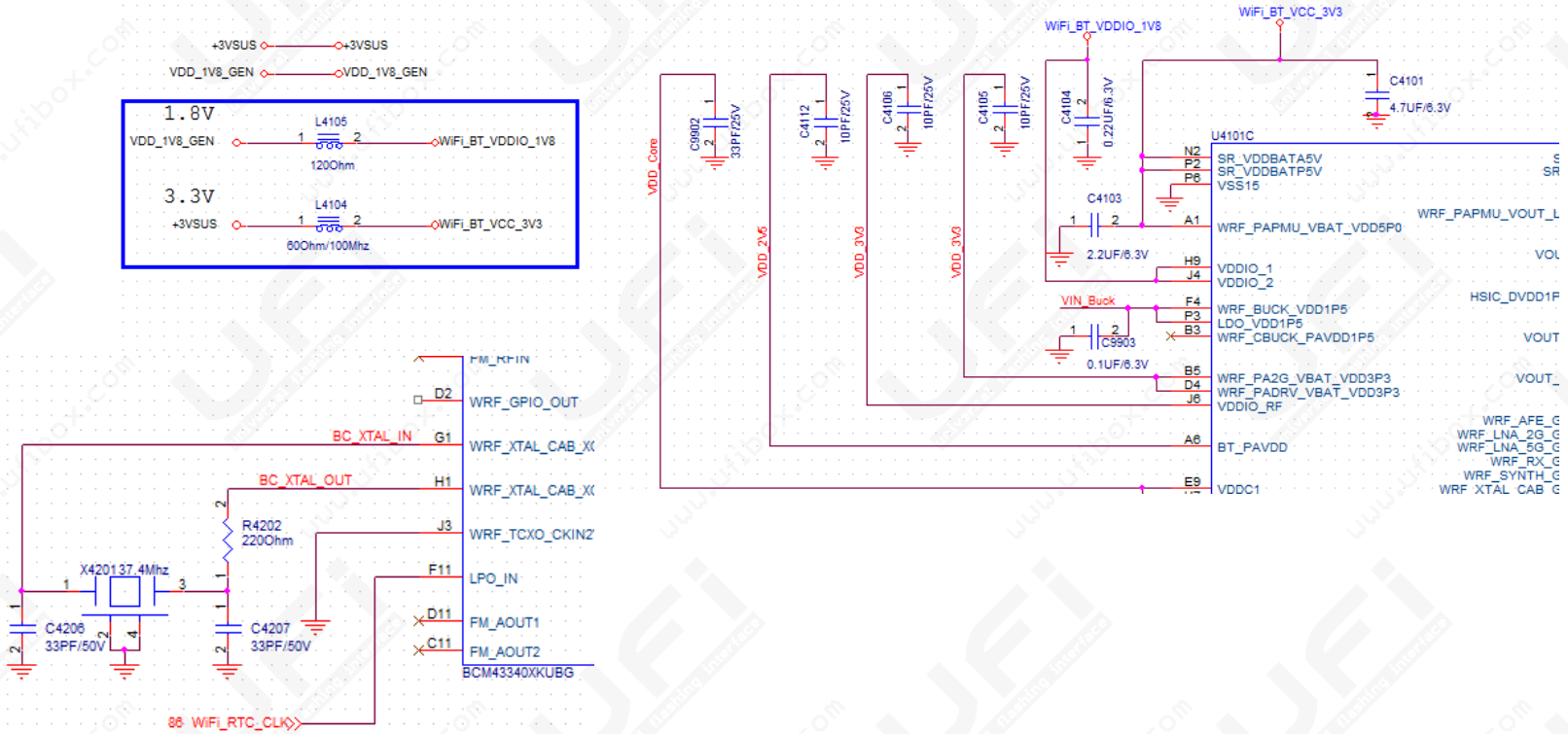


# GPS signal too low



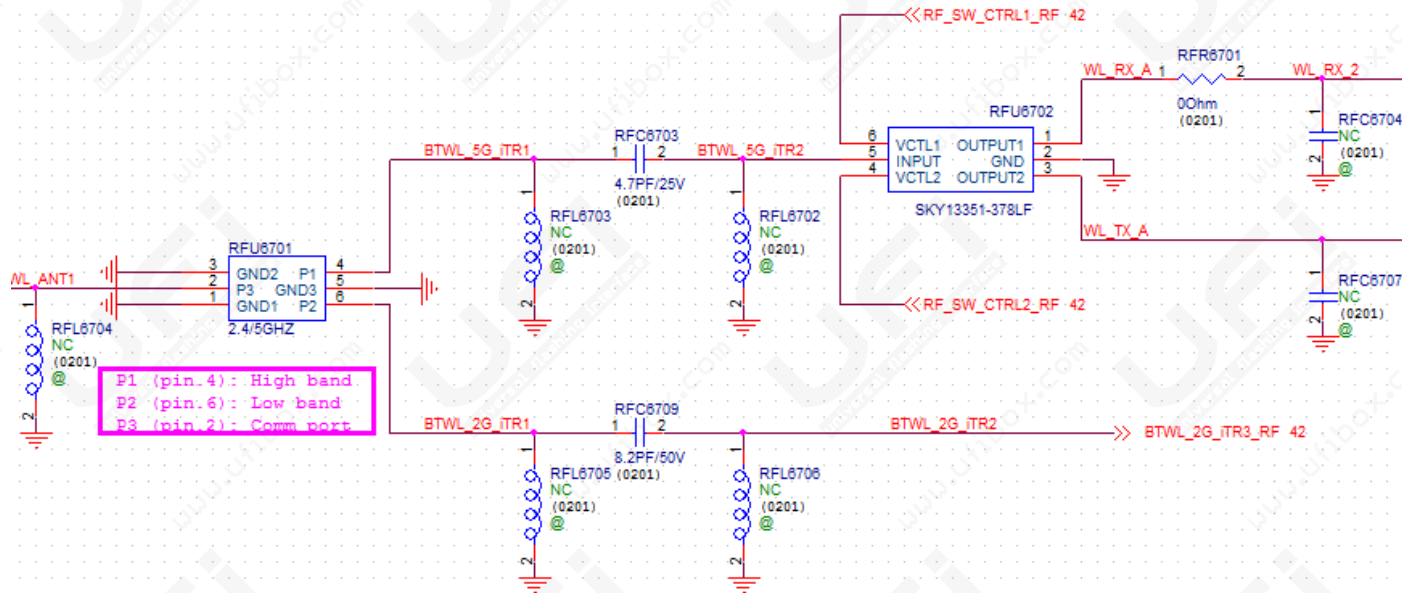
1. Check RFU6802 for REG\_1V8 and GPS\_LNA\_EN

# WiFi no function



1. Check WiFi\_BT\_VDDIO\_1V8 and WiFi\_BT\_VCC\_3V3
2. Check BC\_XTAL\_OUT is 37.4MHz or not

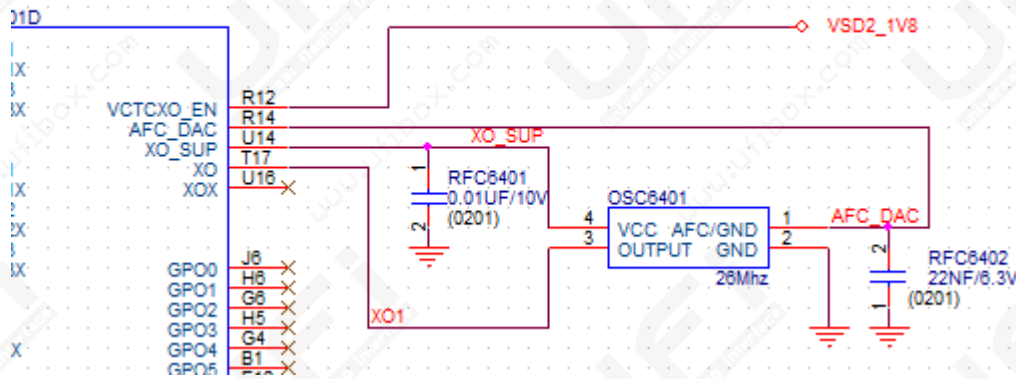
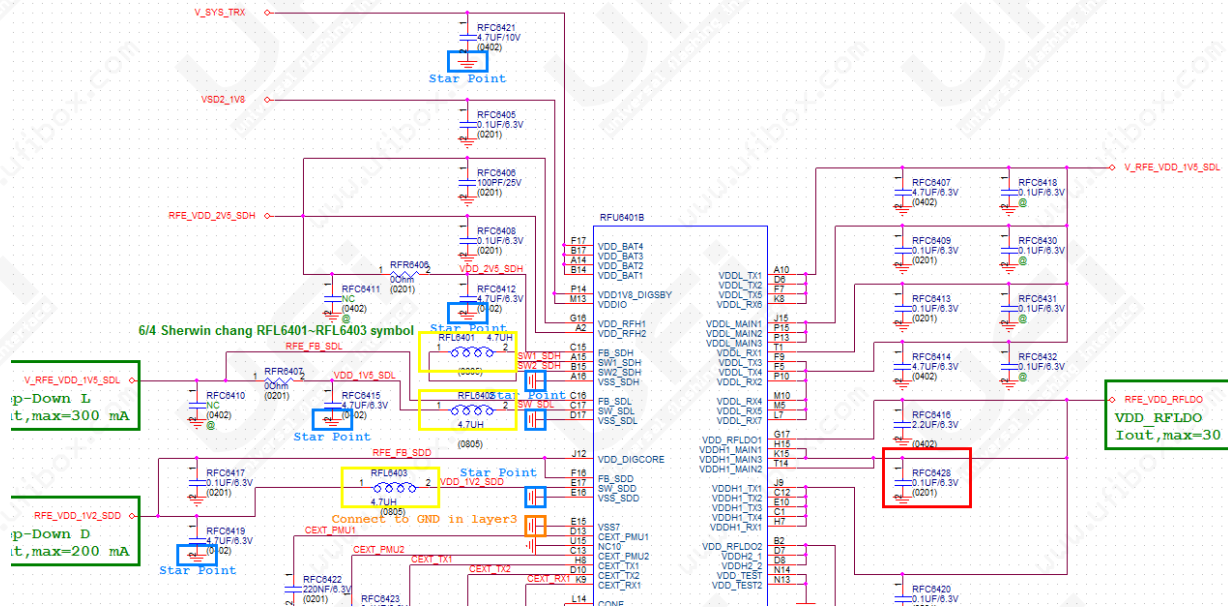
# WiFi 2.4G or 5G no signal



1. Check BTWL\_2G\_ITR3\_RF for 2.4G WiFi/BT with spectrum analyser
2. Check WL\_RX\_A for 5G Rx and WL\_TX\_A for 5G Tx with spectrum analyser

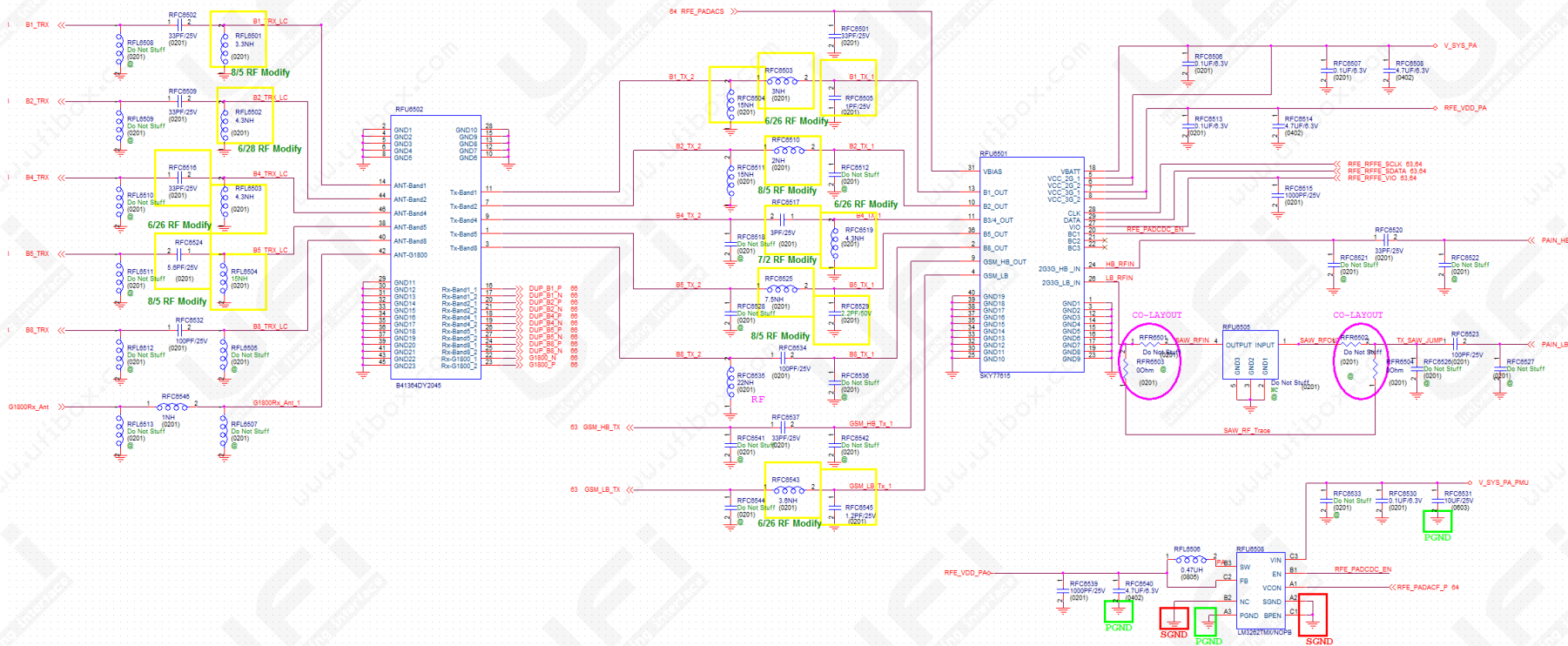


# Modem RF no function



1. Check modem RF each power line
2. Check OSC6401 output for 26MHz

# Modem Tx/Rx



## TX:

1. Check RFU6508 power pin RFE\_VDD\_PA and V\_SYS\_PA\_PMU
2. Check HB\_RFIN for high band and LB\_RF\_IN for low band with spectrum analyzer

## RX:

1. Check RFU6502



# Modem Re-calibration

- If change below component, modem need re-calibration
  - RFU6502
  - RFU6501
  - RFU6301
  - RFU6302
  - RFU6401
  - BBU300