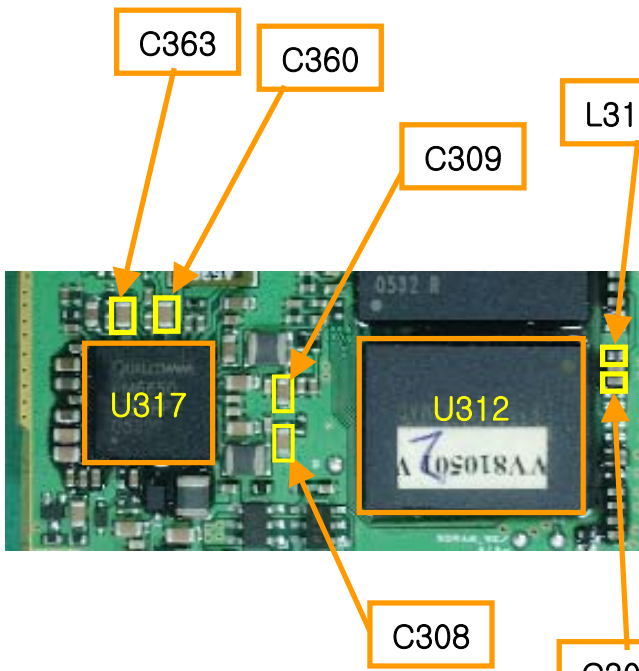


CHAPTER 3. Trouble Shooting

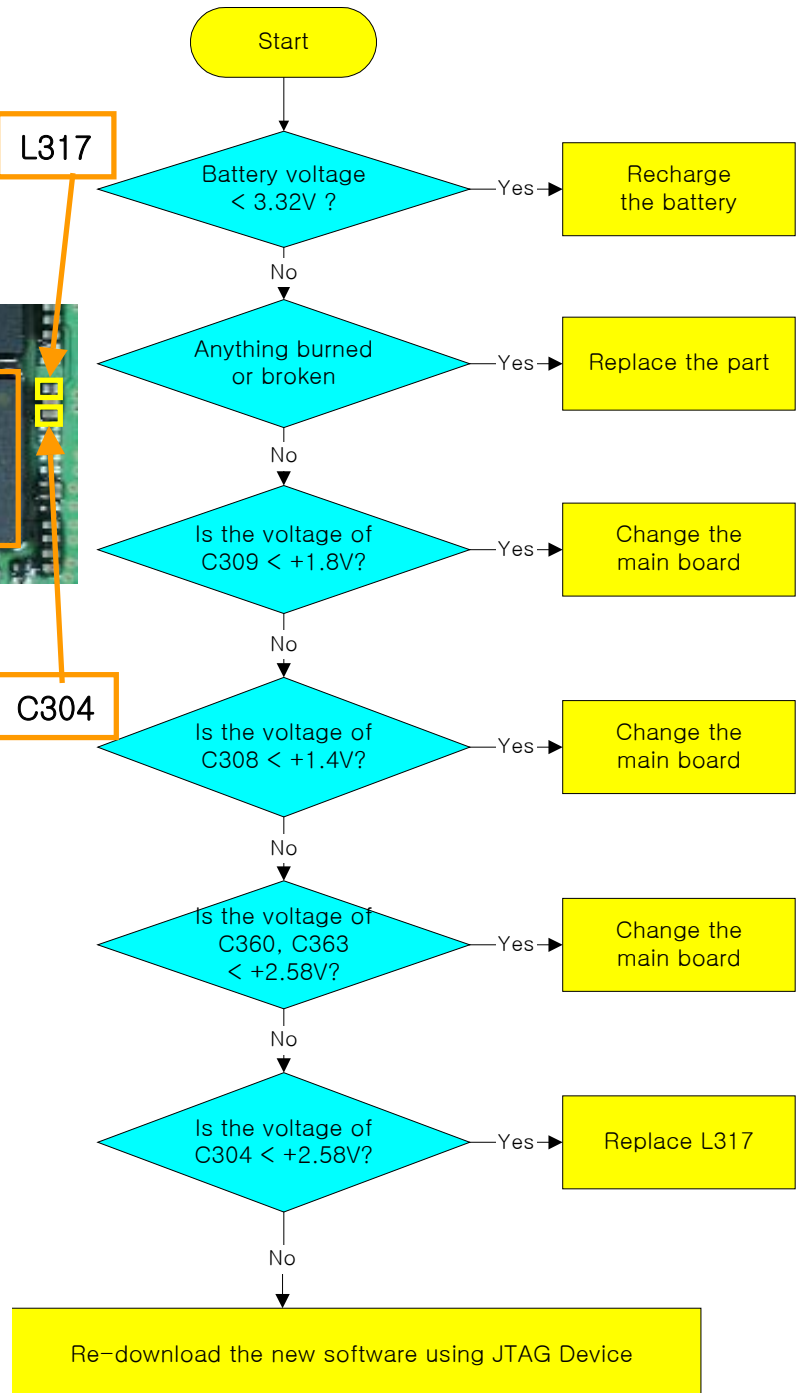
3.1 Logic Part Trouble

3.1.1 When power does not turn on

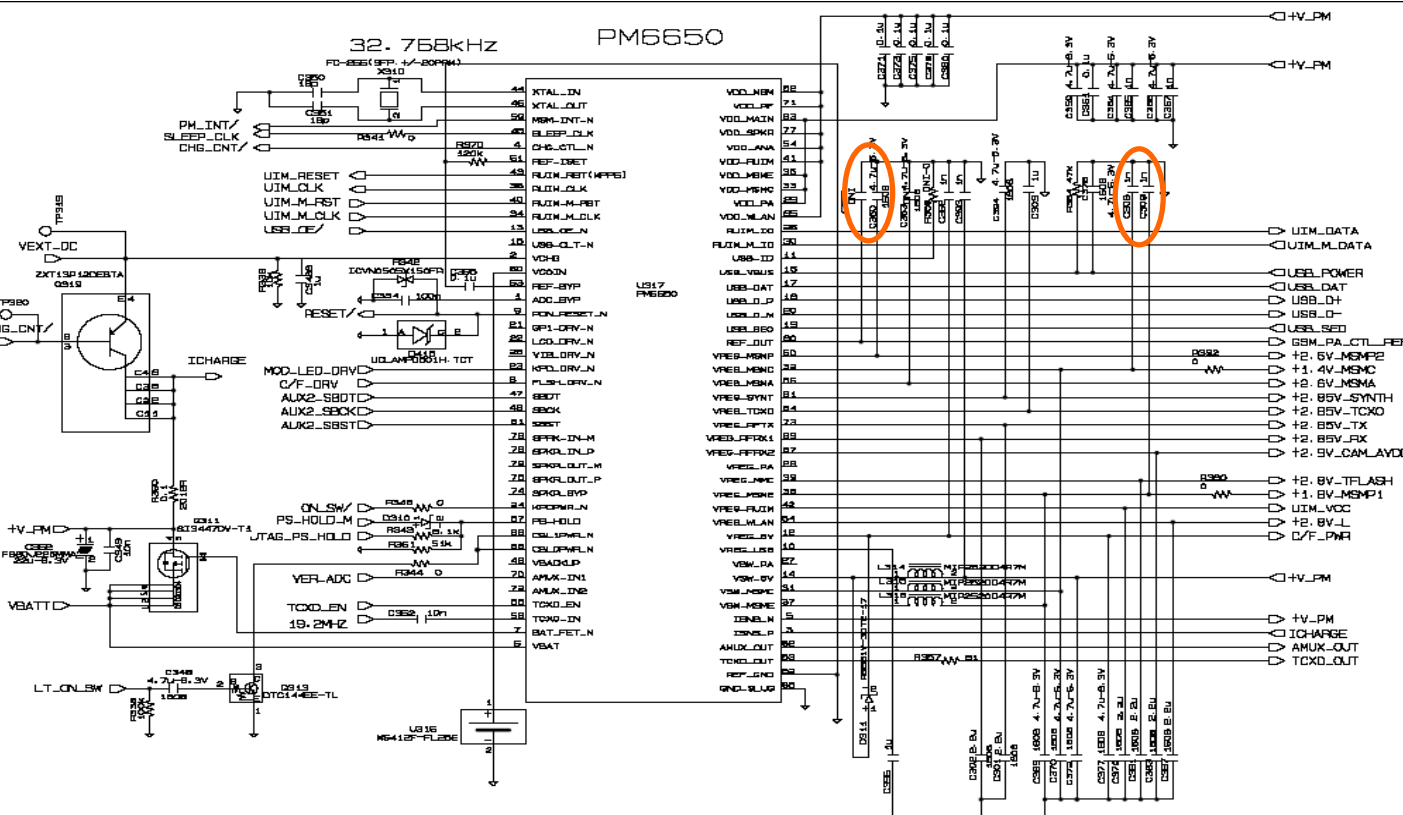
Test Point



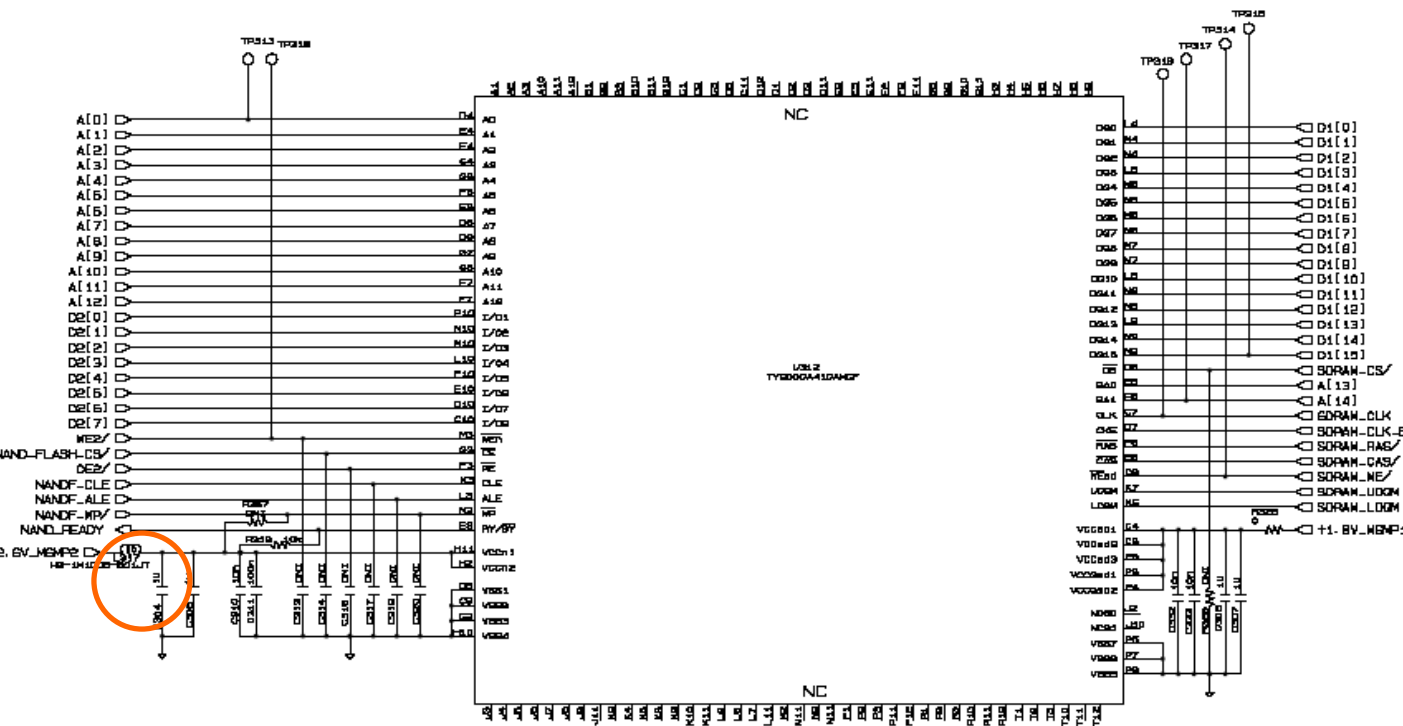
Checking Flow



Circuit Diagram

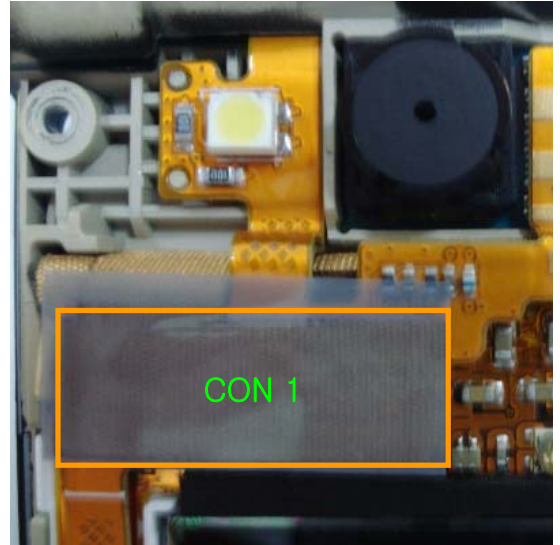
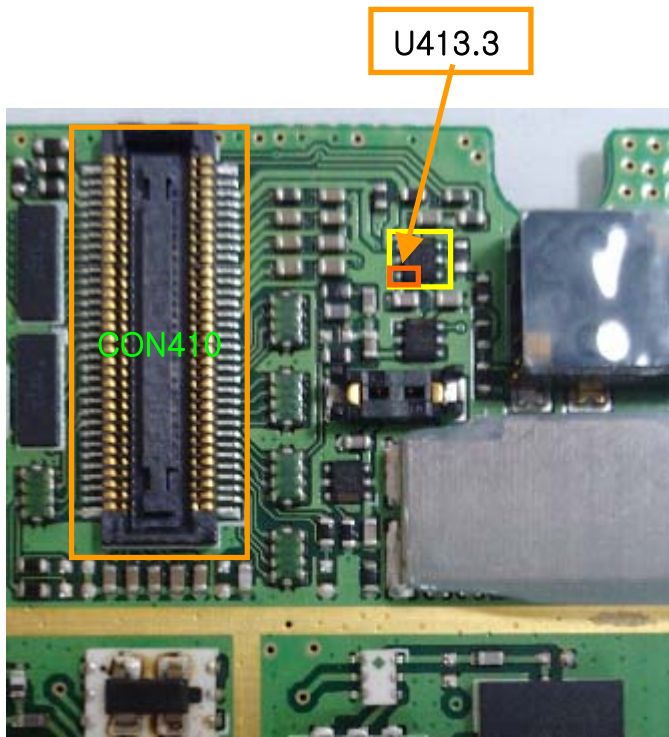


Memory : NAND (1Gb) / SDRAM (512Mb) From LG-SV550

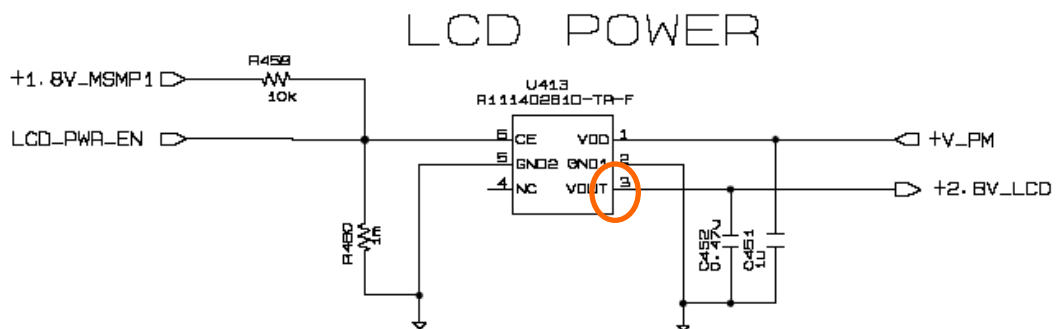


3.1.2 When LCD does not display.

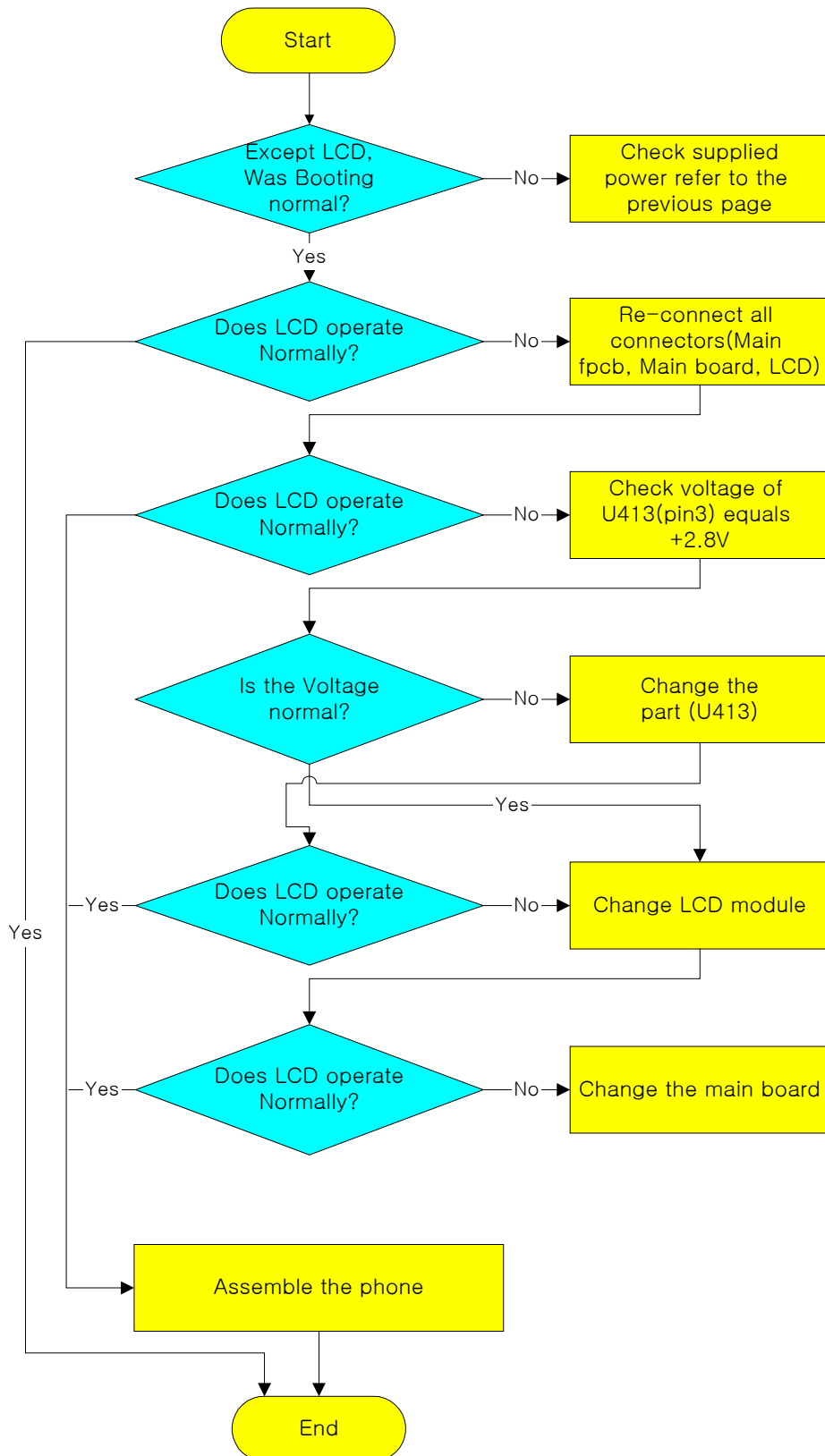
Test Point



Circuit Diagram

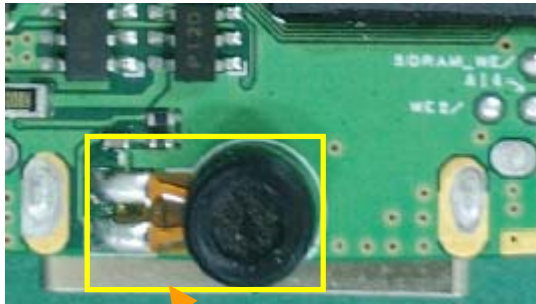


Checking Flow

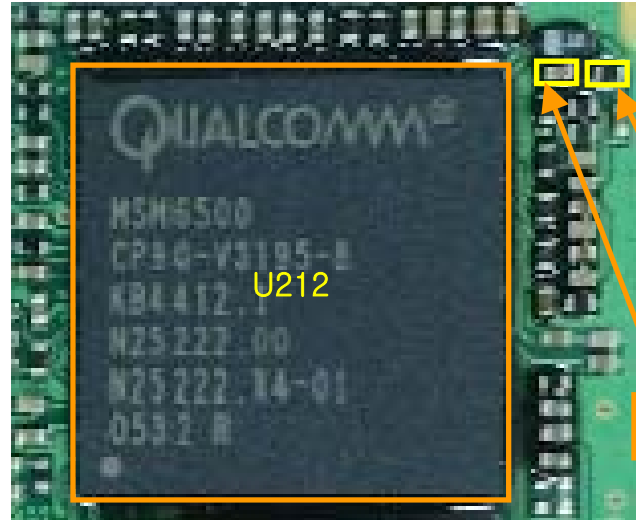


3.1.3 When Tx Audio (MIC) isn't transmitted.

Test Point



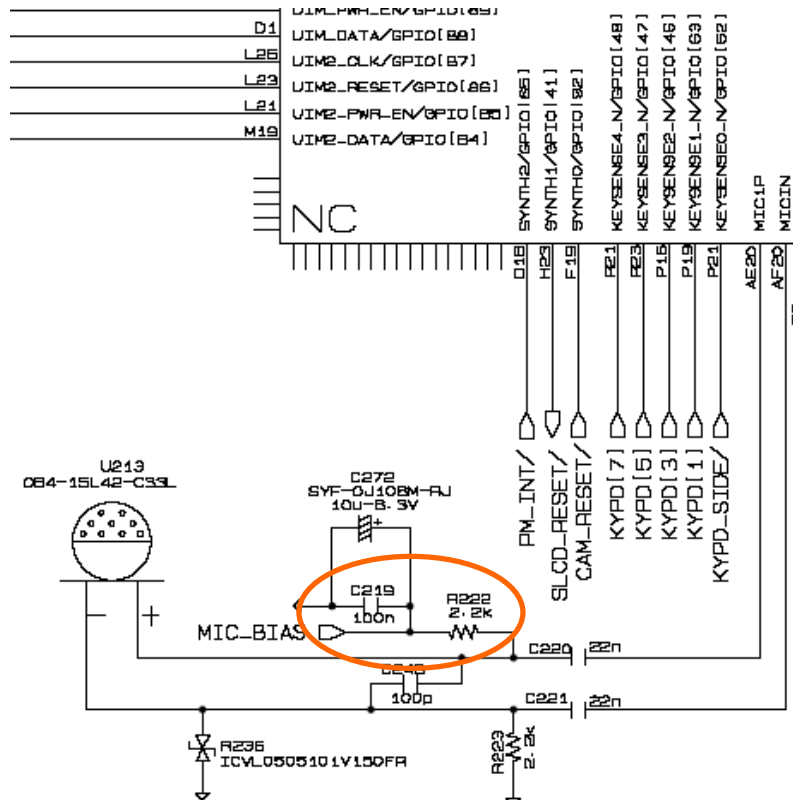
U213



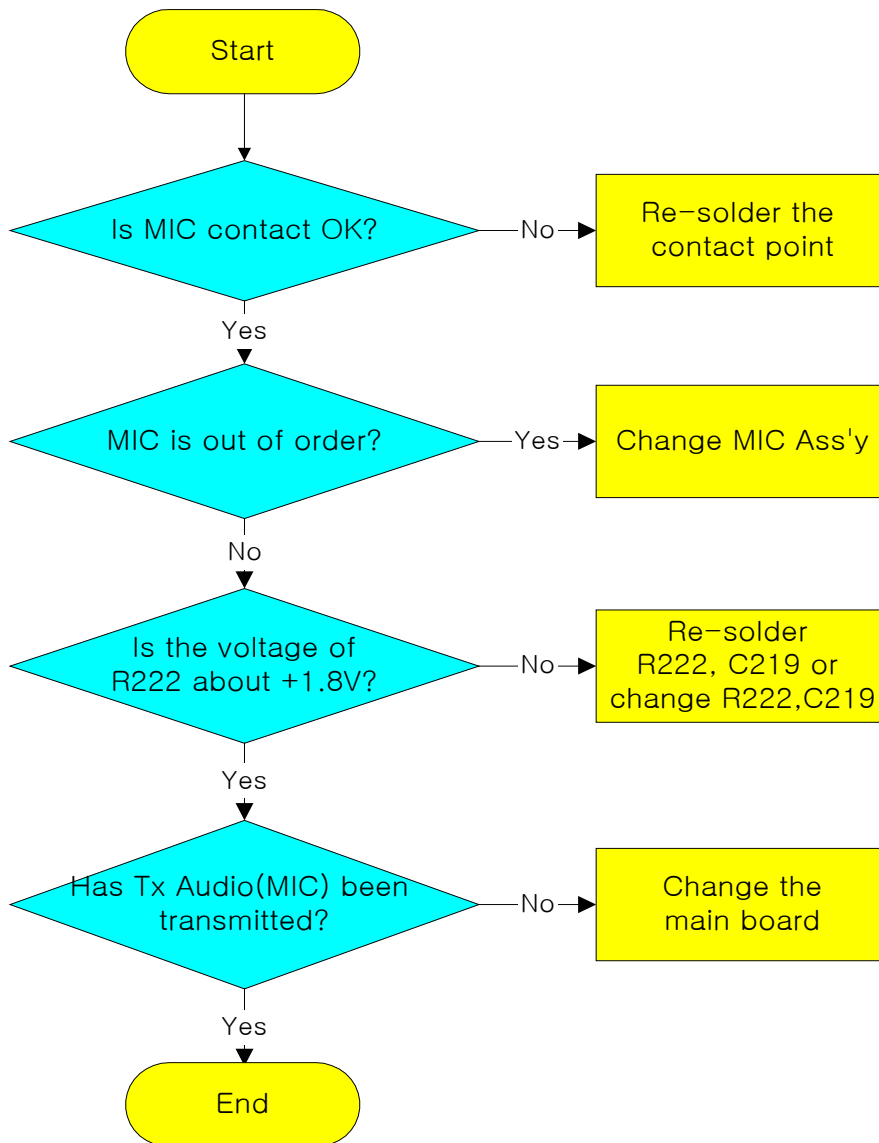
R222

C219

Circuit Diagram

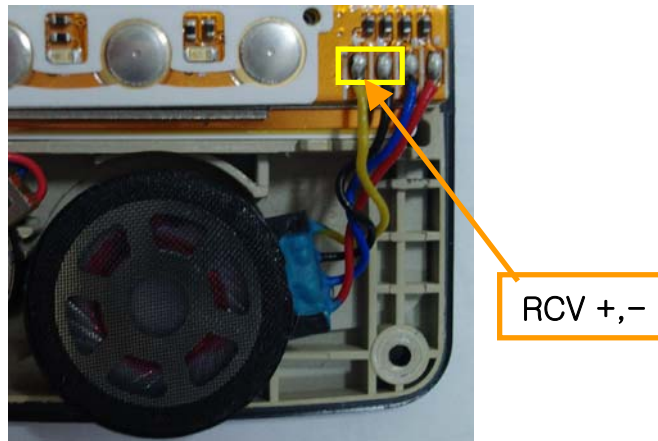


Checking Flow

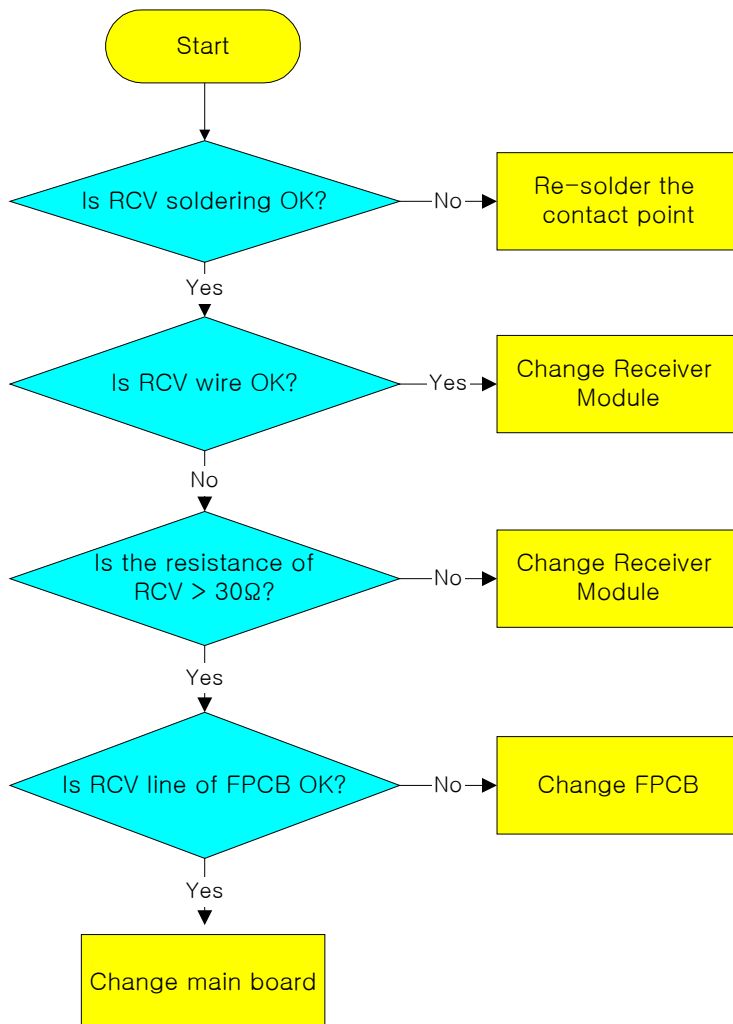


3.1.4 When Rx Audio (Earpiece) isn't heard.

Test Point

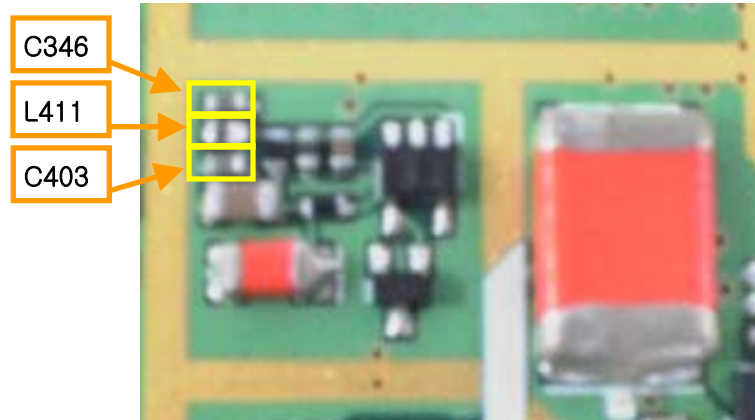


Checking Flow

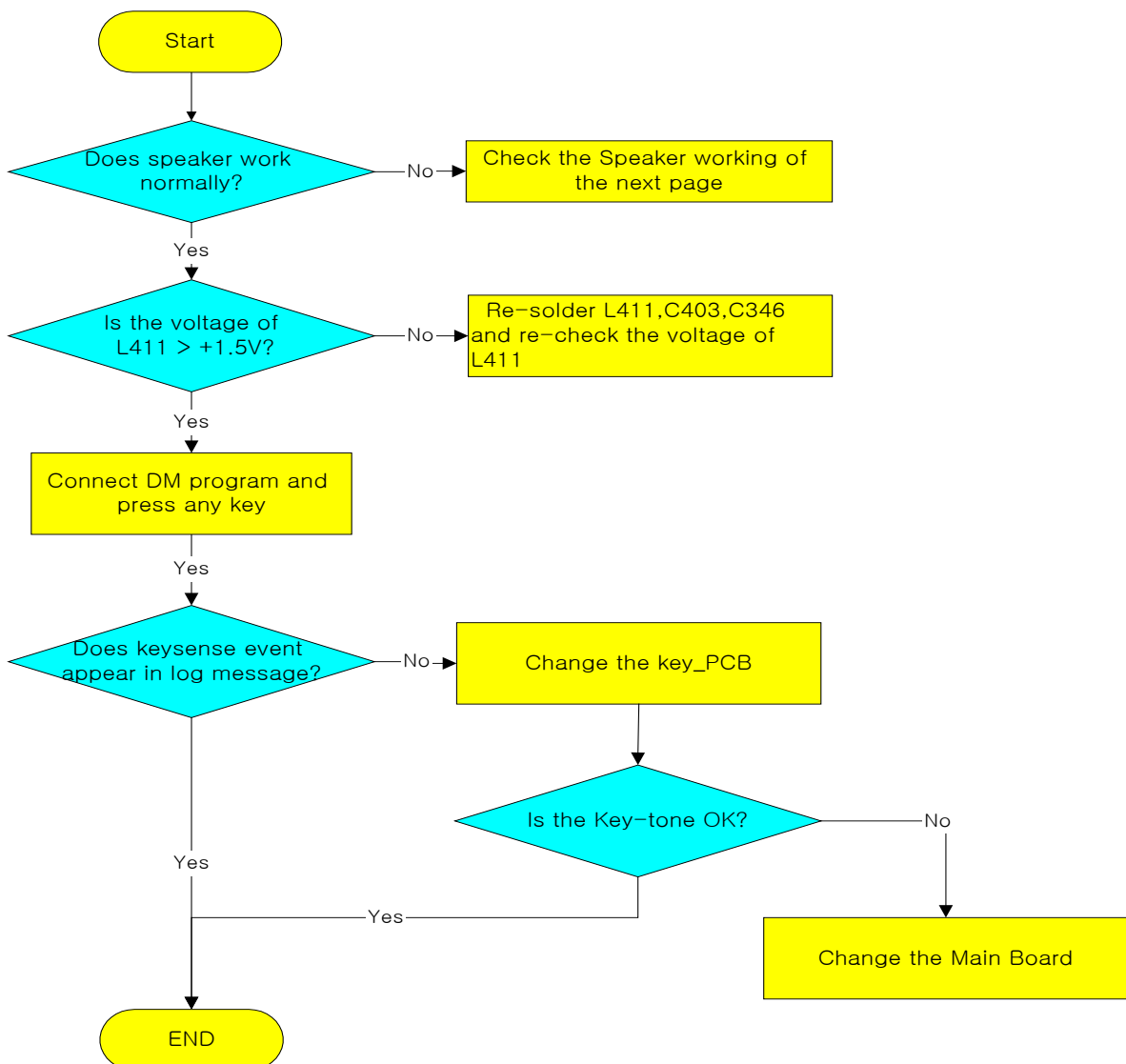


3.1.5 When Keytone isn't heard.

Test Point

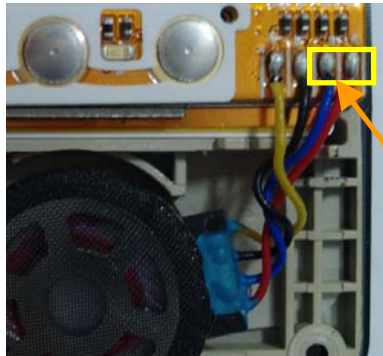


Checking Flow



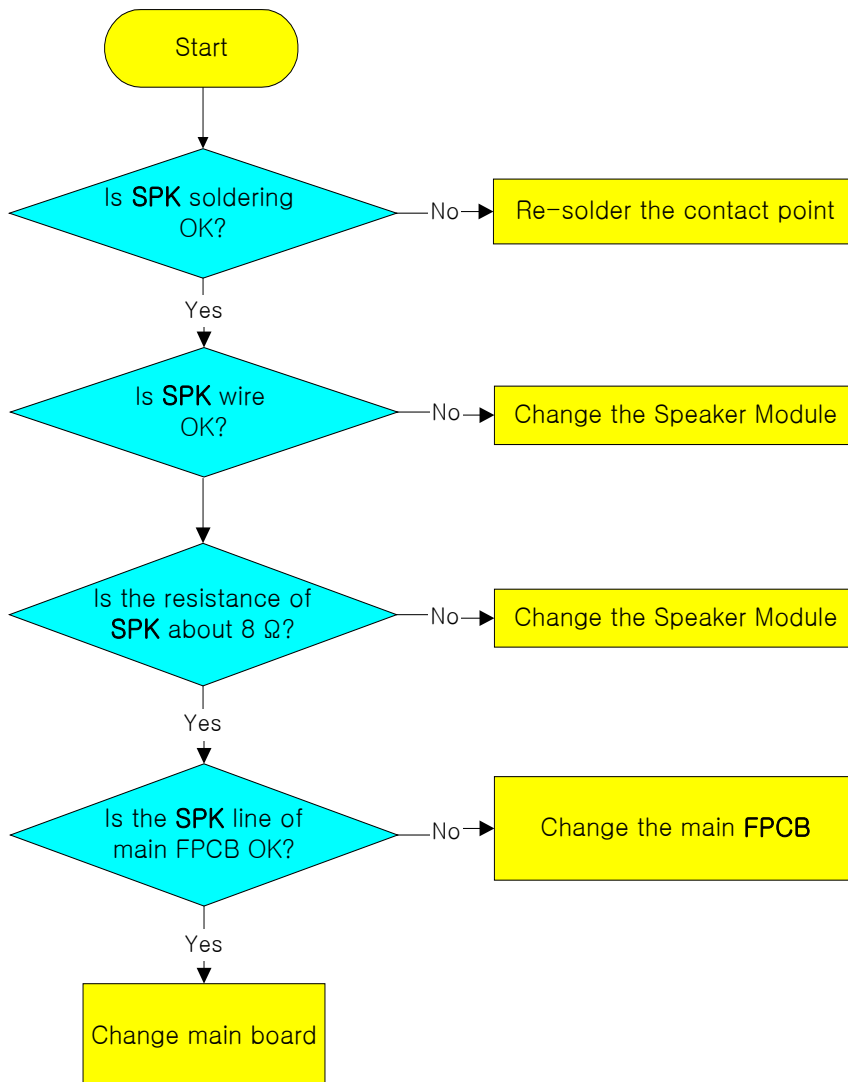
3.1.6 When Sound doesn't ring.

Test Point



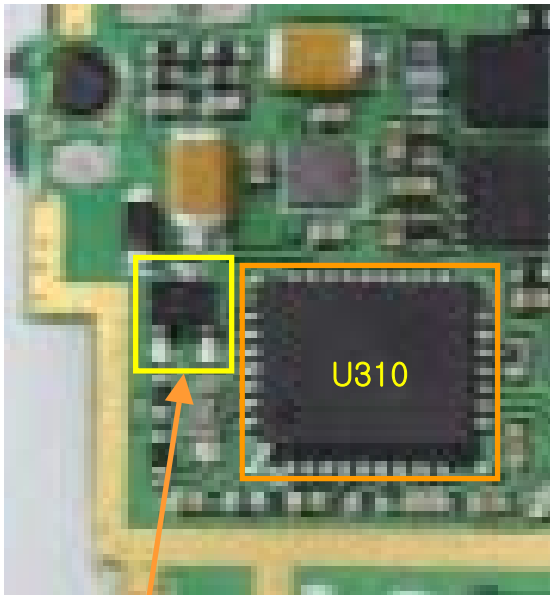
SPK +,-

Checking Flow

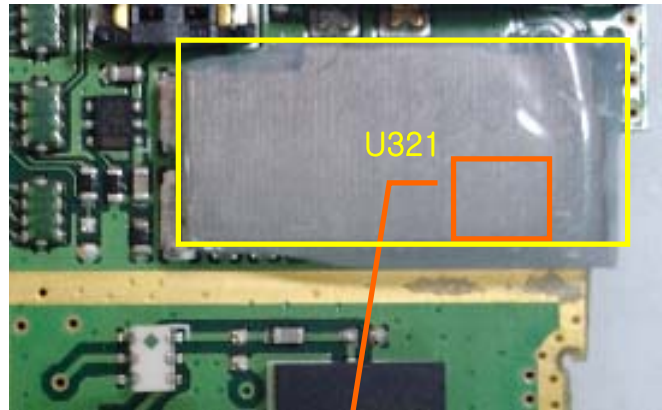


3.1.7 When Vibrator doesn't operate.

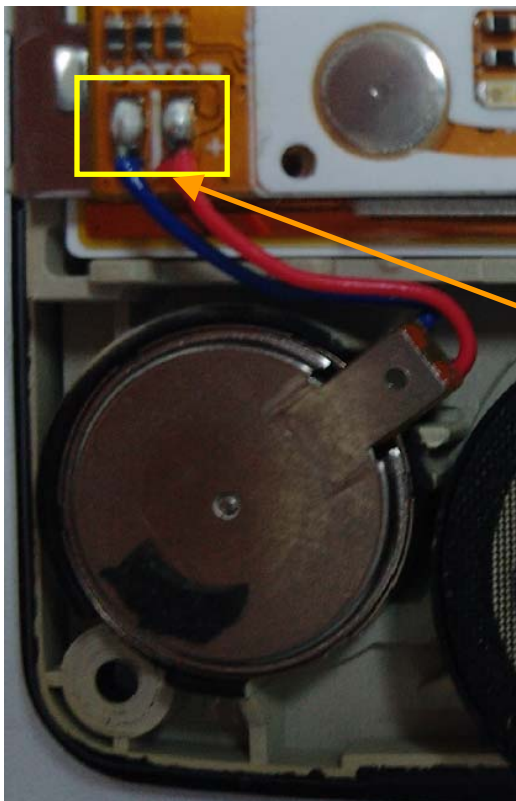
Test Point



Q318

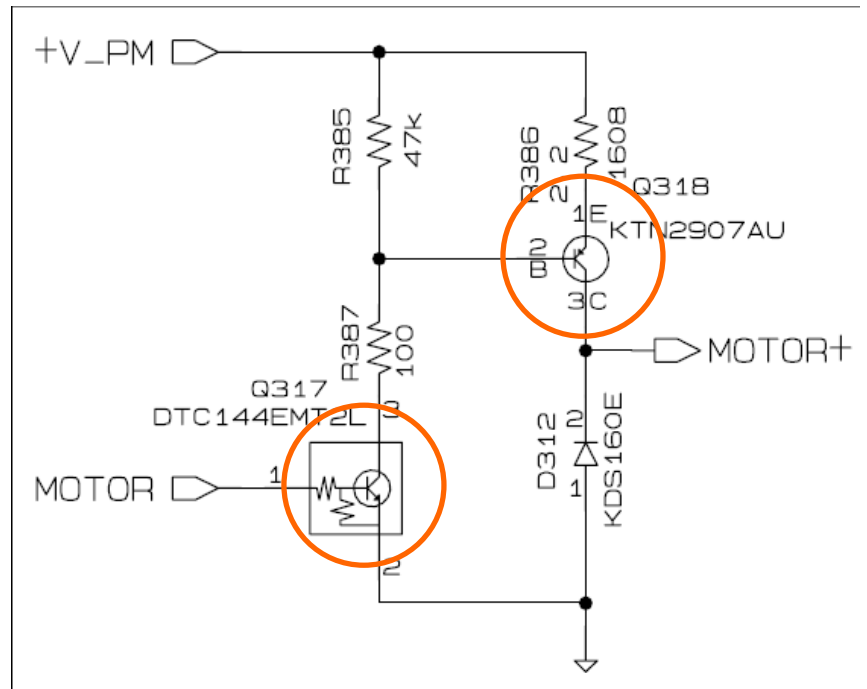


Q317

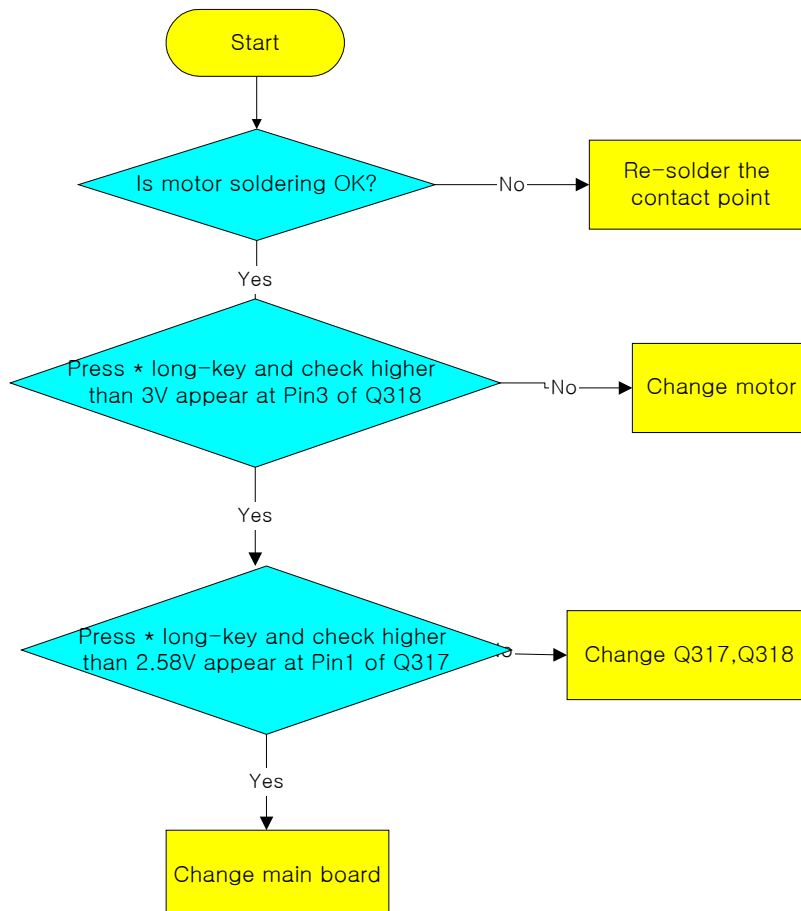


Motor +,-

Circuit Diagram

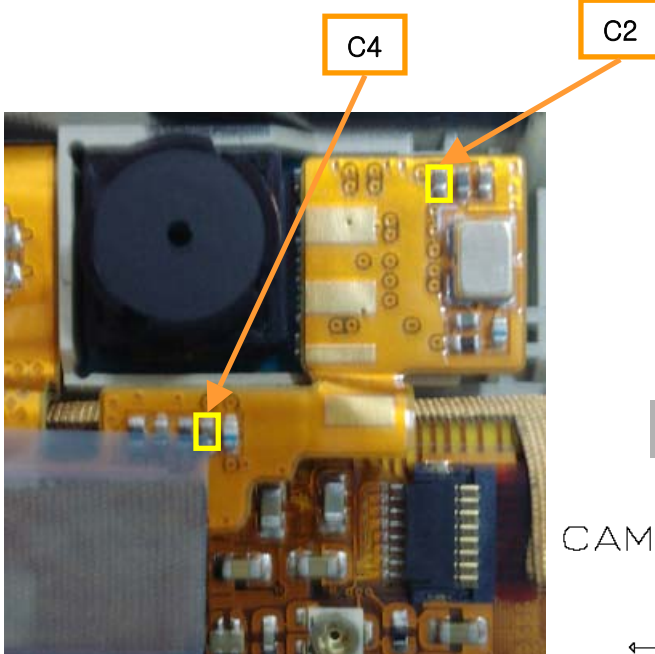
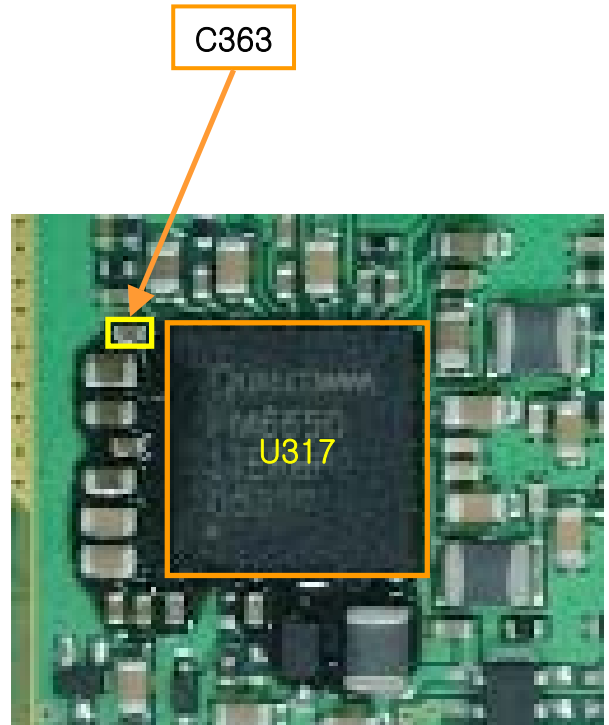
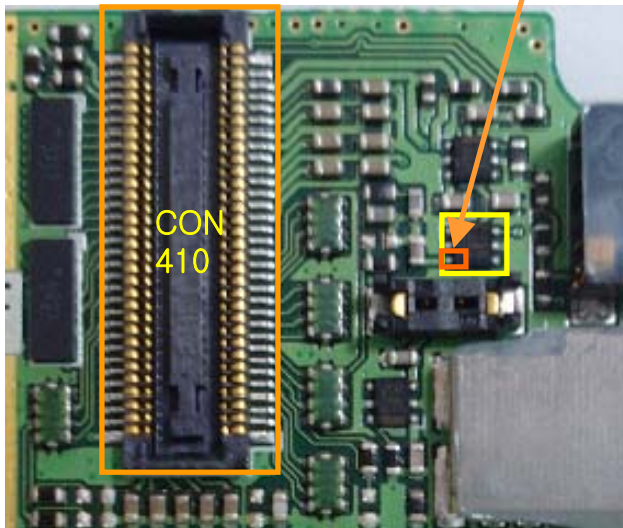


Checking Flow



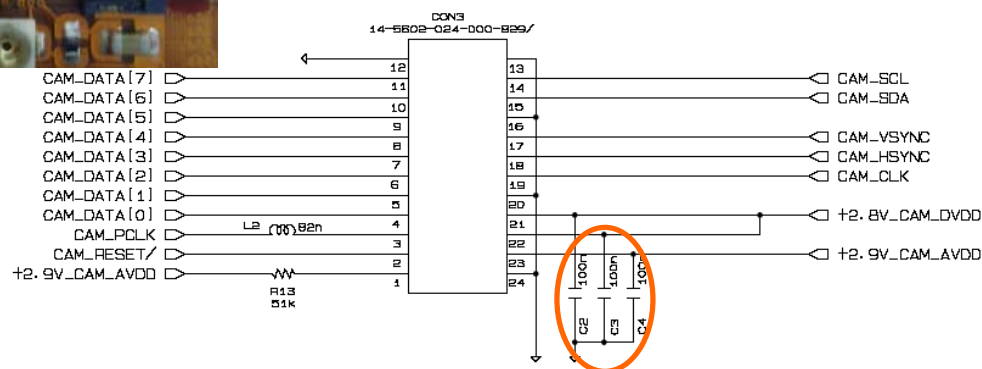
3.1.8 When Camera doesn't work in order.

Test Point

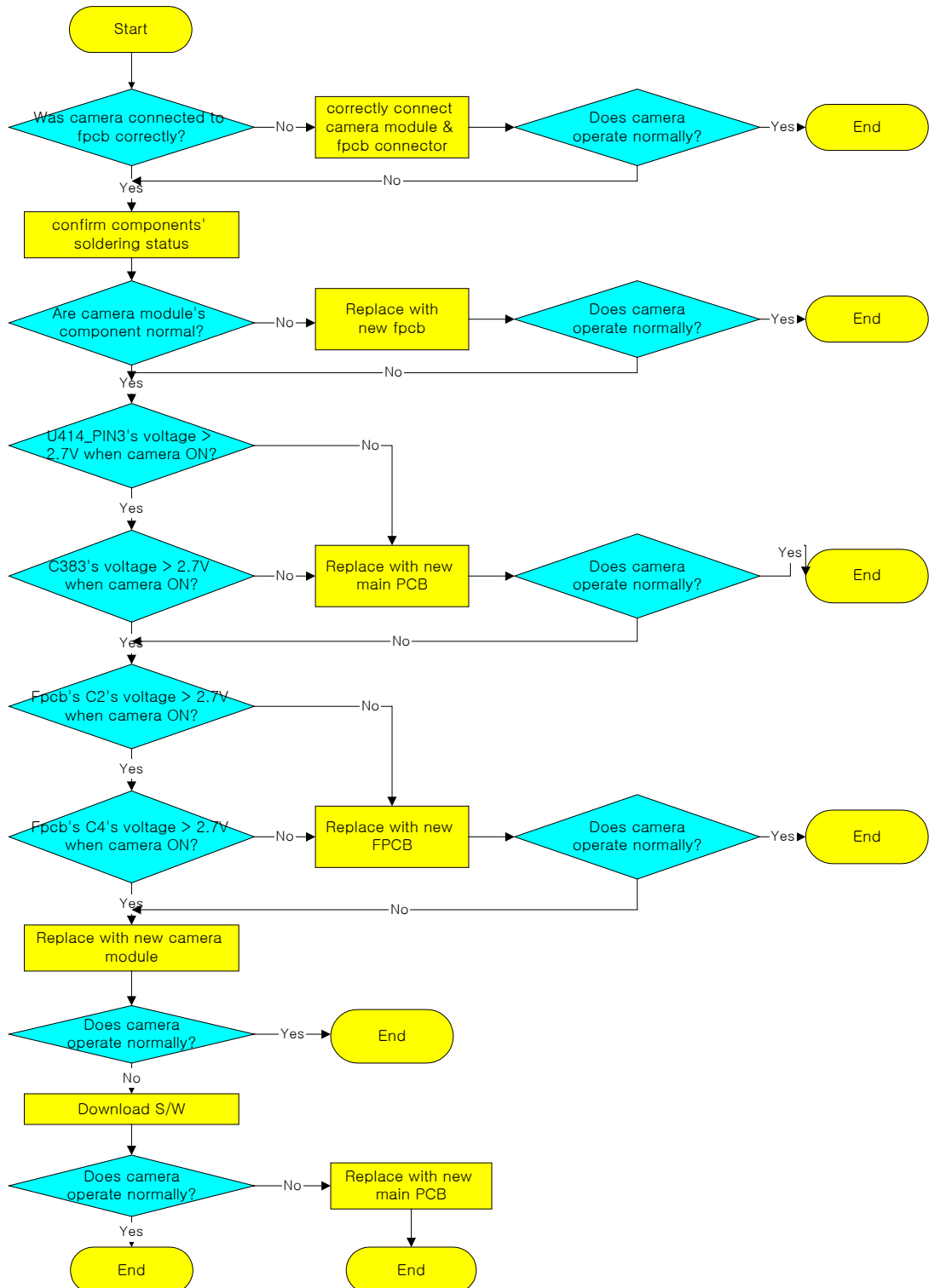


Circuit Diagram

CAM CONNECTOR



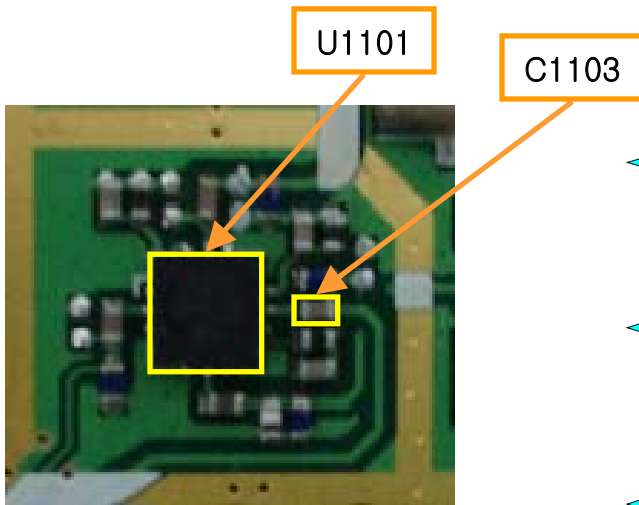
Checking Flow



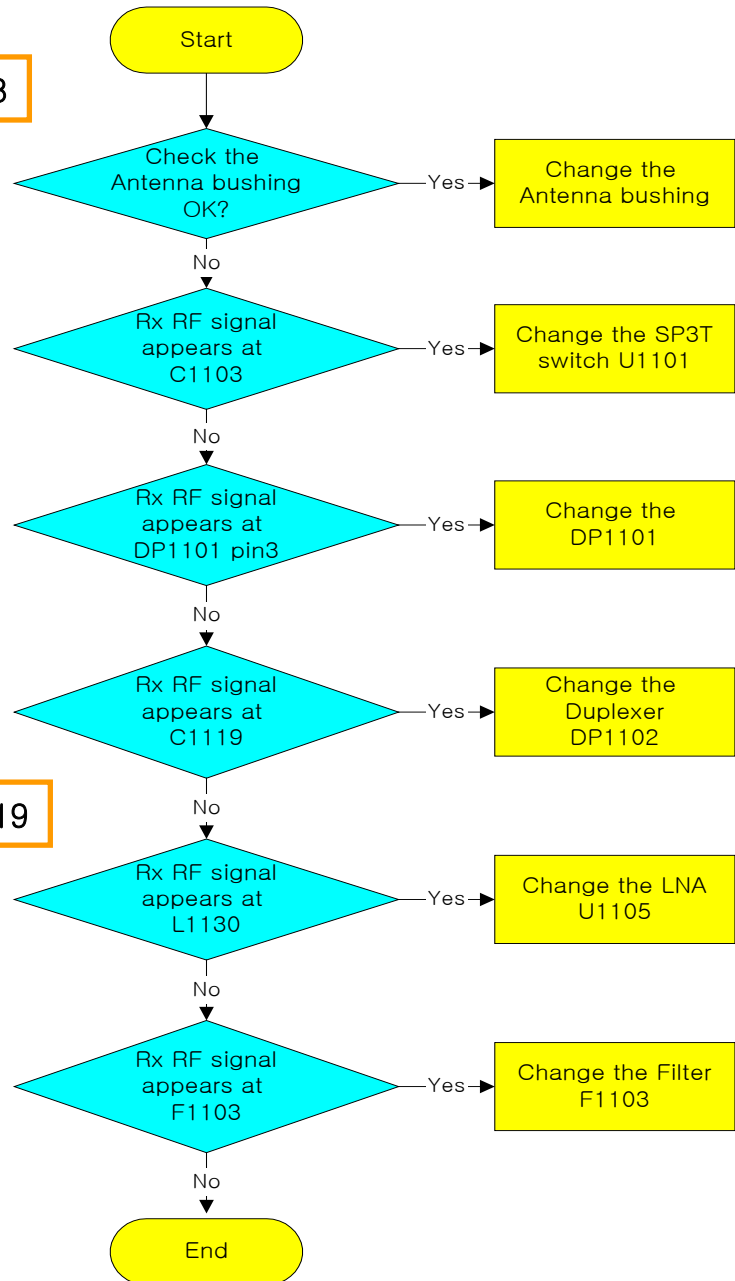
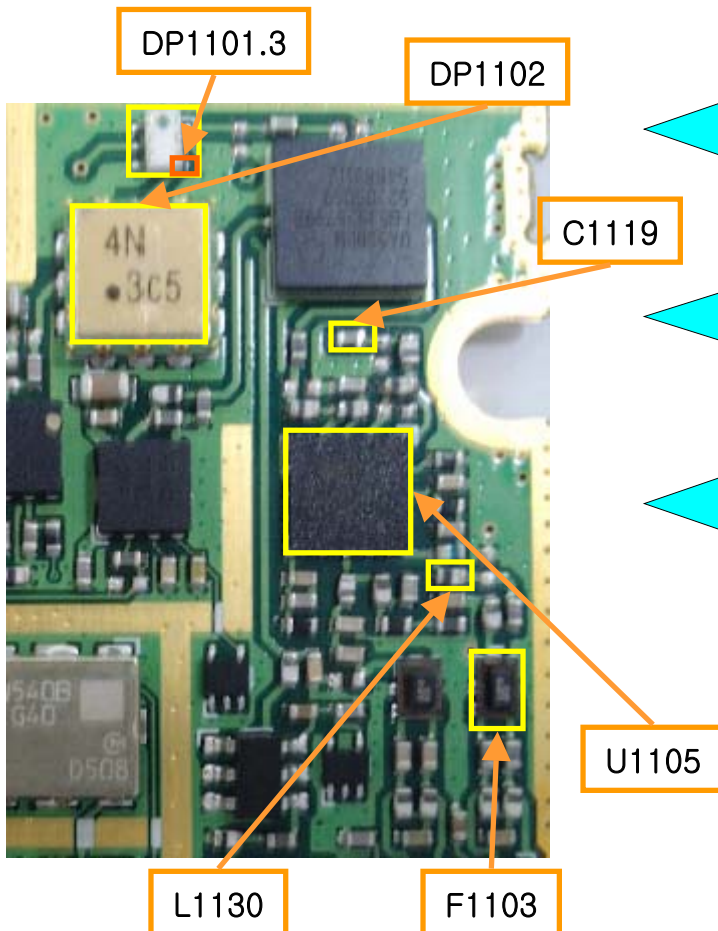
3.2 RF Part Trouble

3.2.1 When Cellular Rx sensitivity isn't normal.

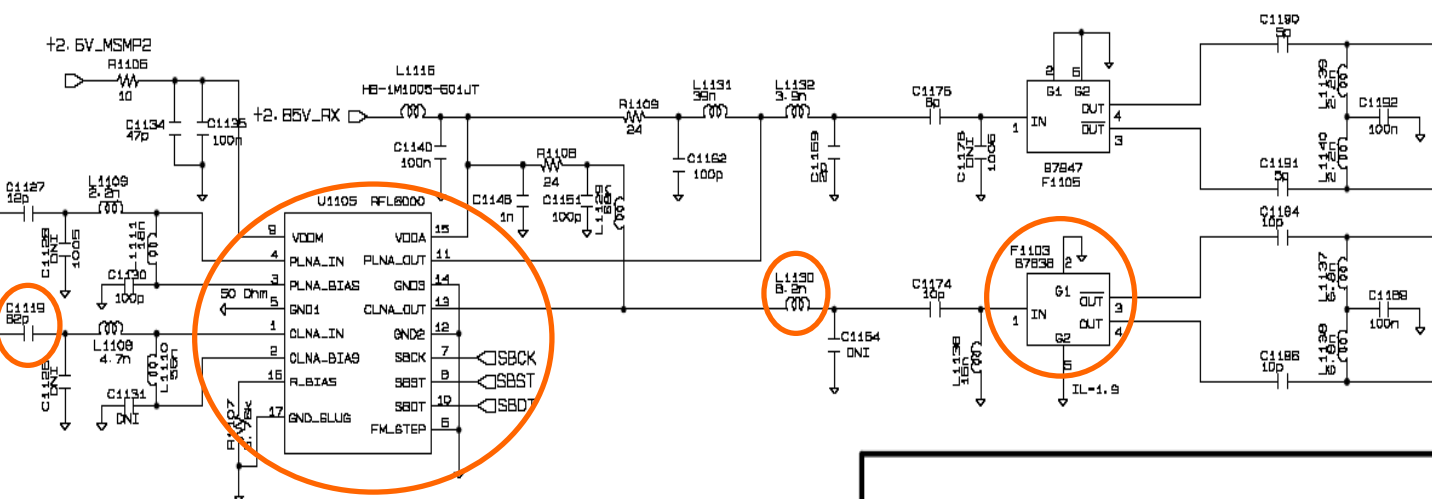
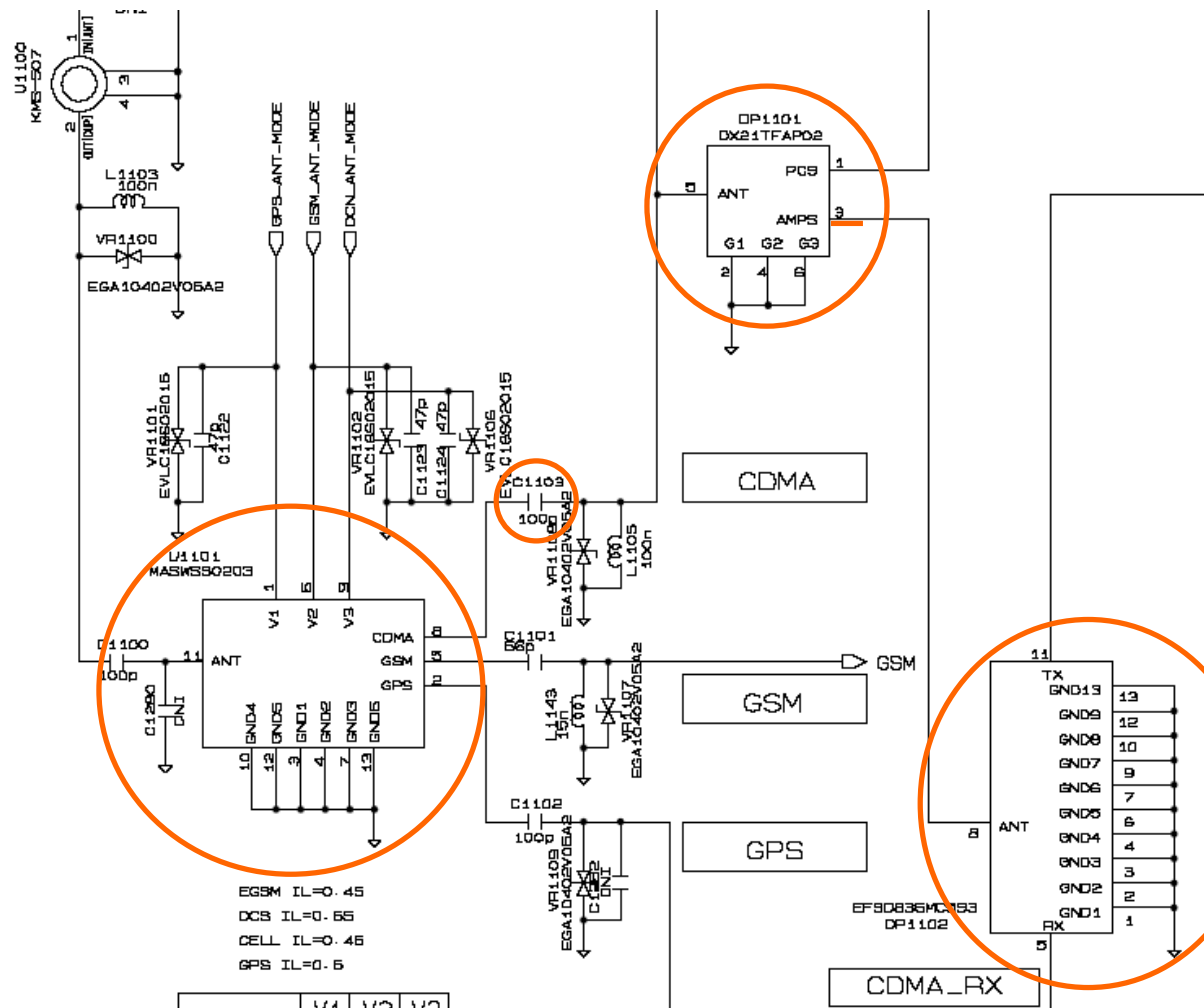
Test Point



Checking Flow



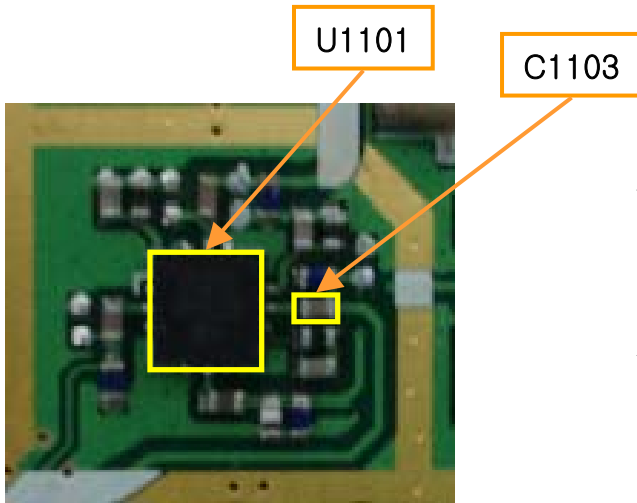
Circuit Diagram



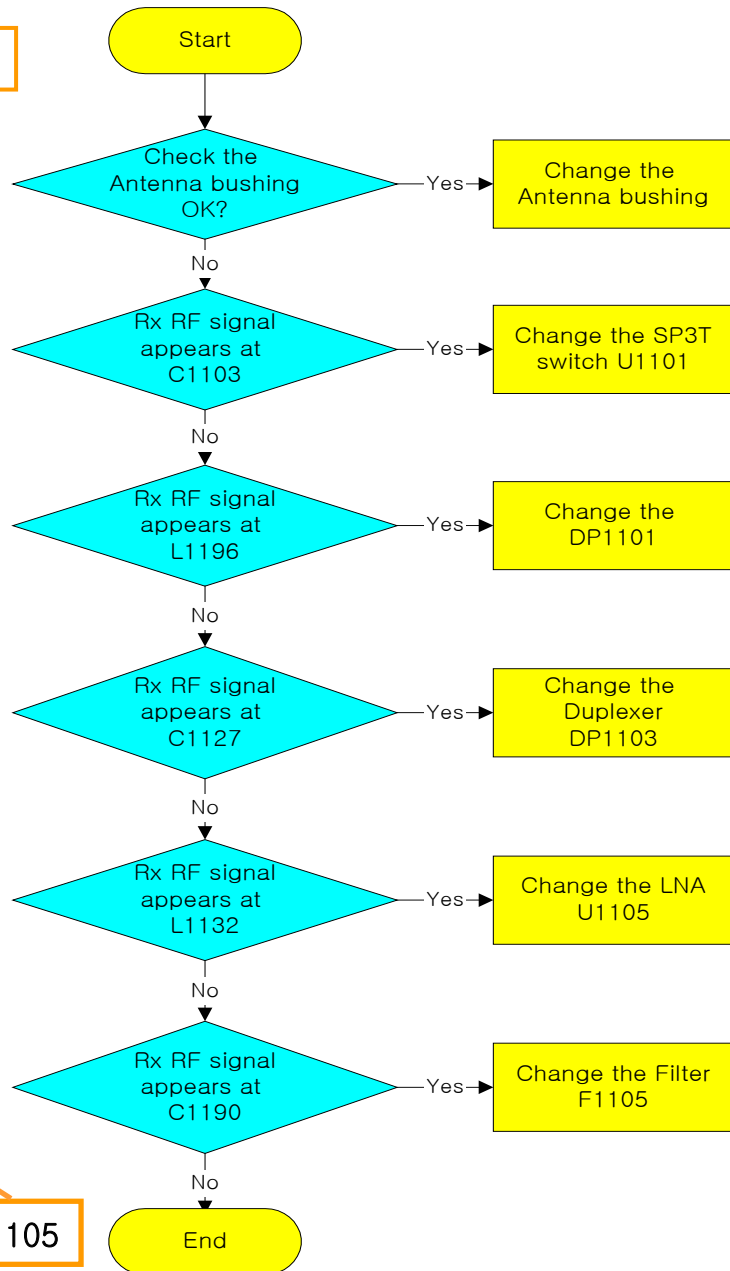
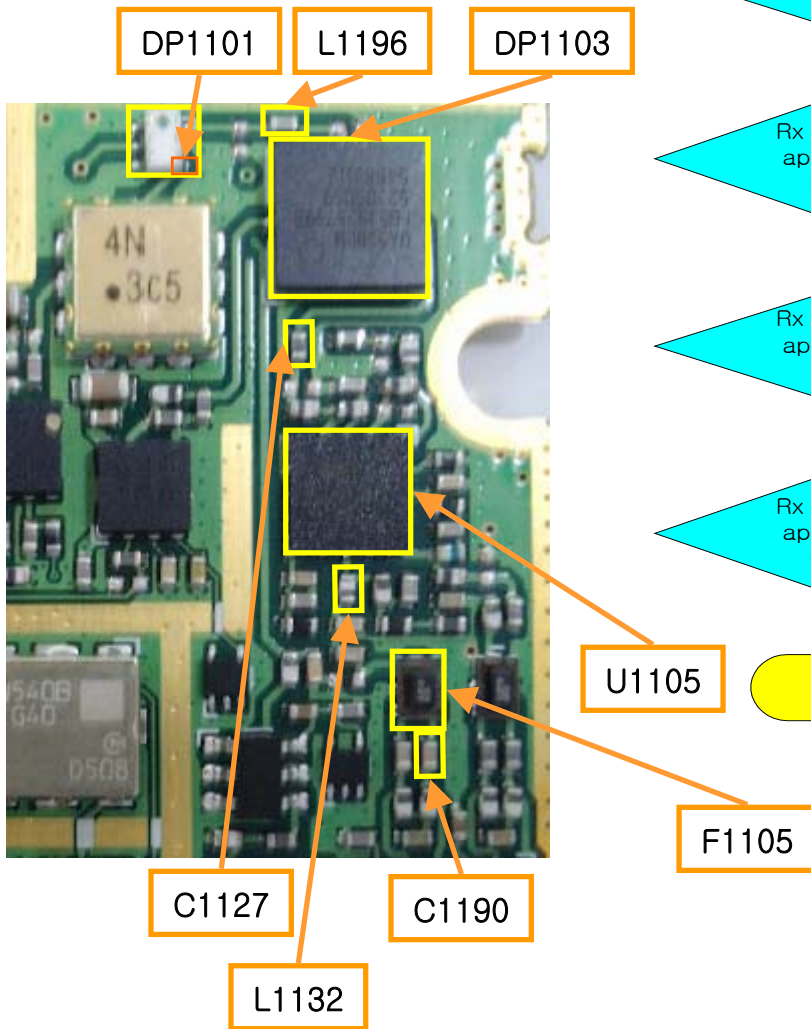
CDMA RX PATH

3.2.2 When US-PCS Rx sensitivity isn't normal.

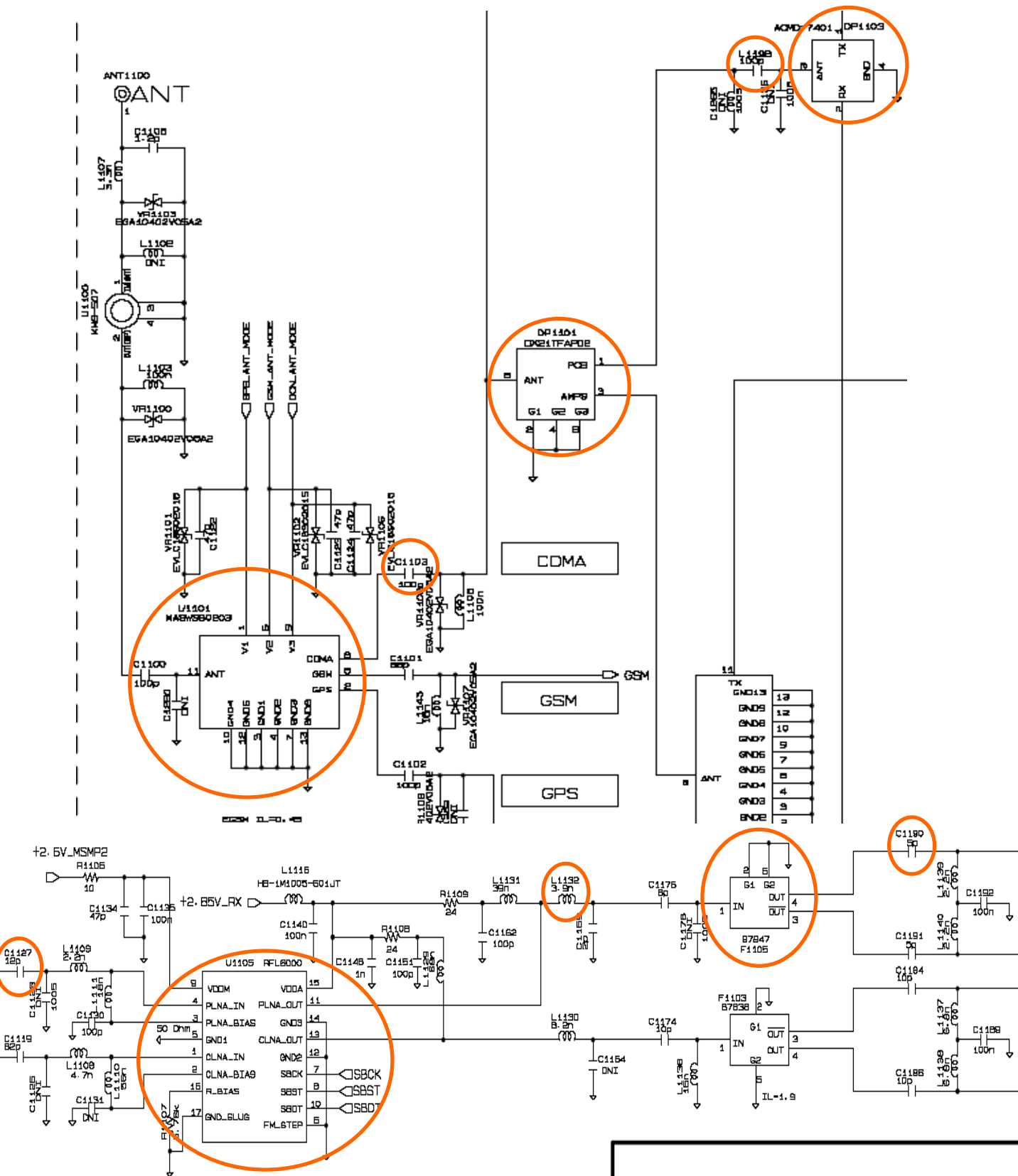
Test Point



Checking Flow



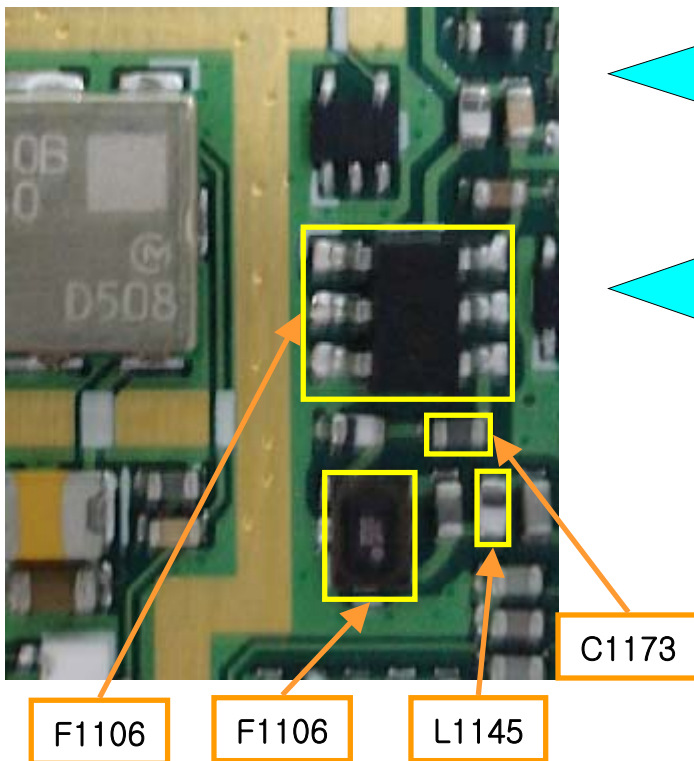
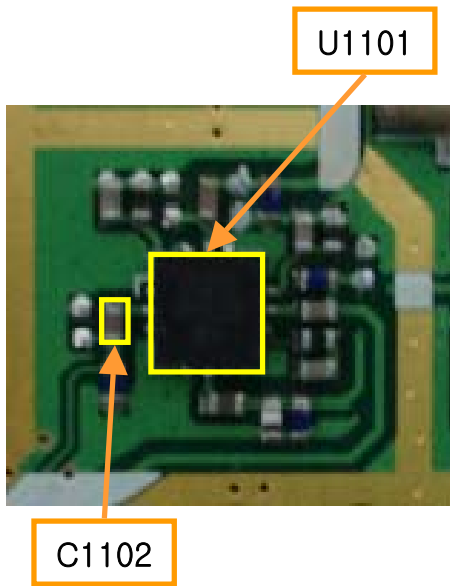
Circuit Diagram



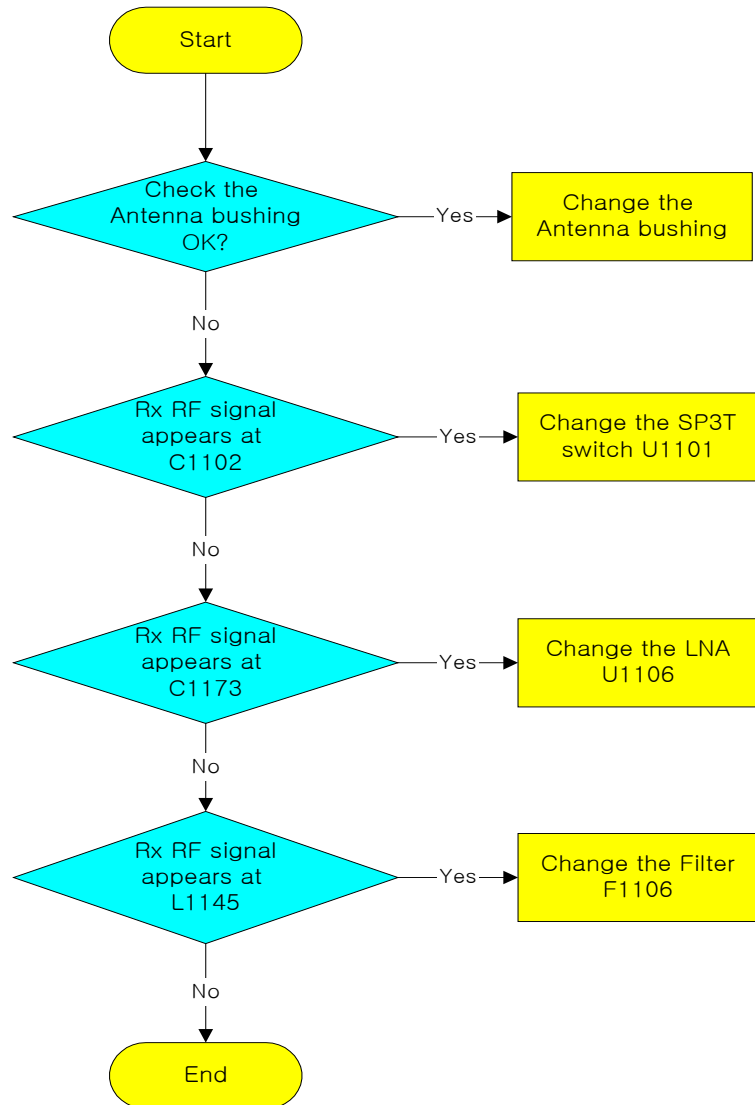
CDMA RX PATH

3.2.3 When GPS Rx sensitivity isn't normal.

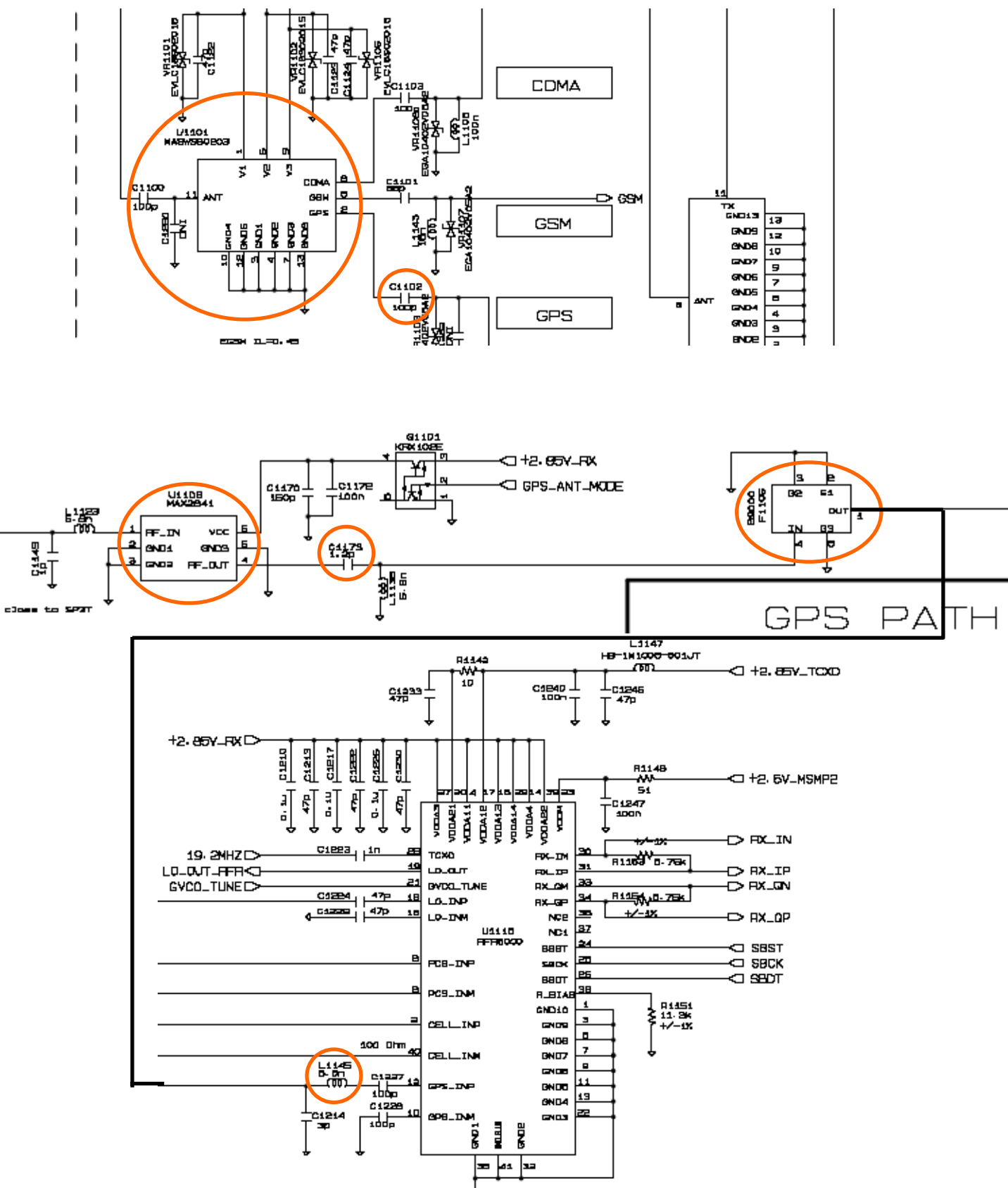
Test Point



Checking Flow

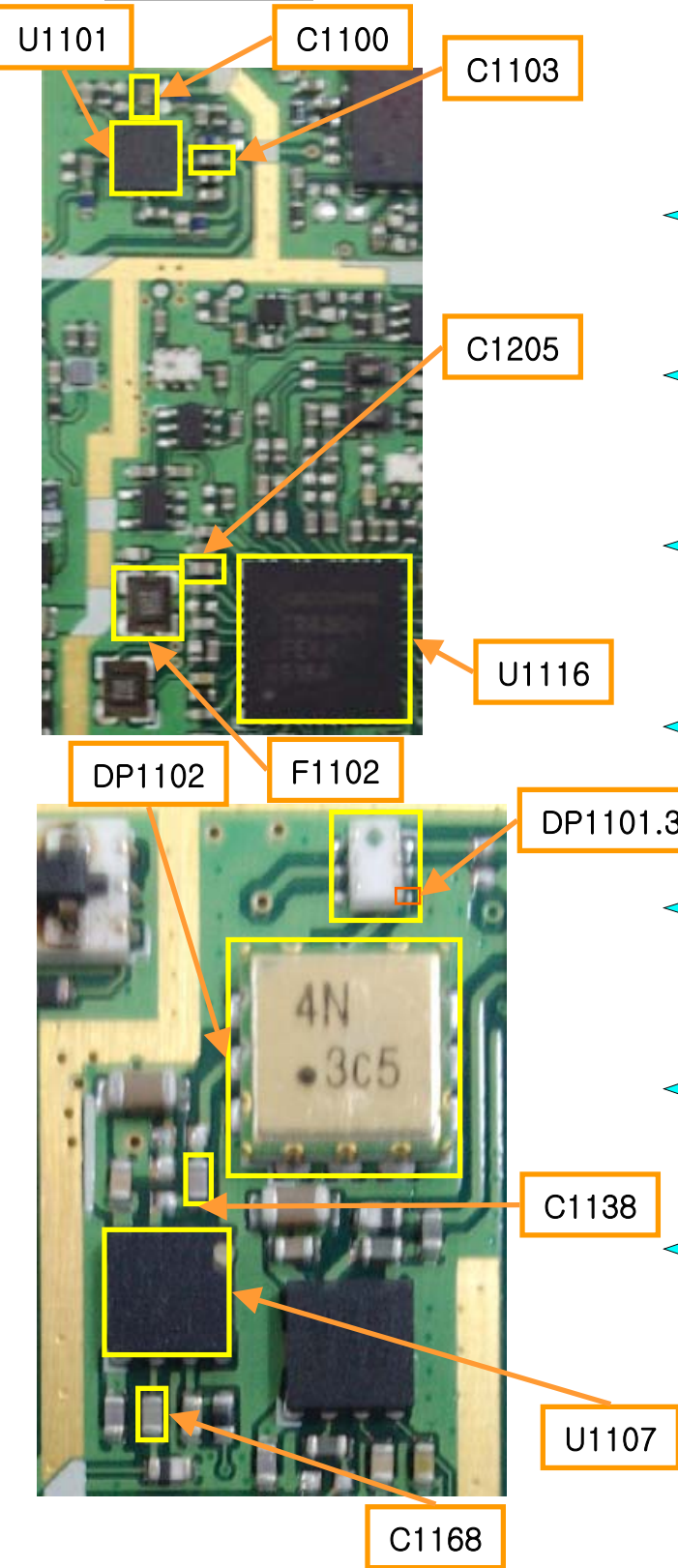


Circuit Diagram

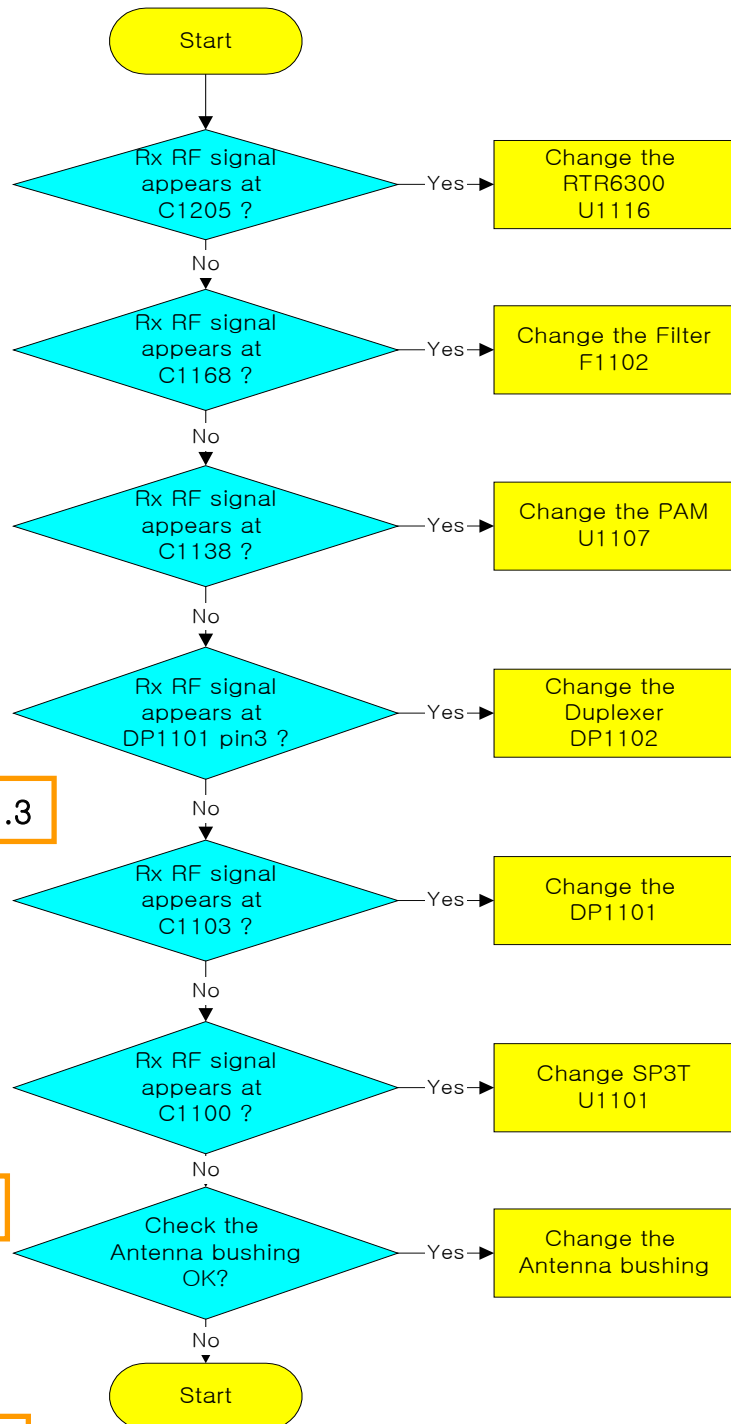


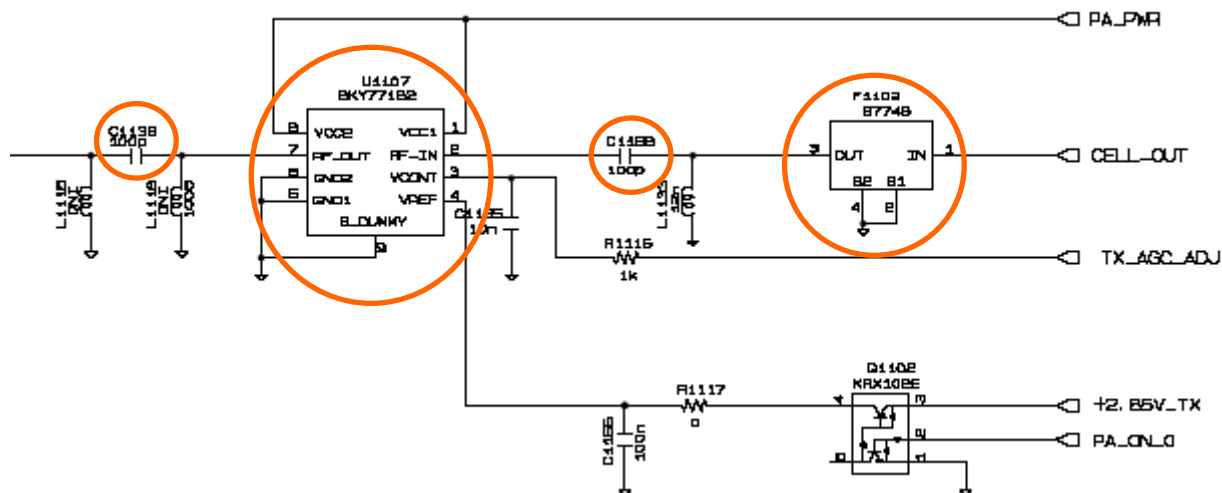
3.2.4 When Cellular TX power isn't normal.

Test Point

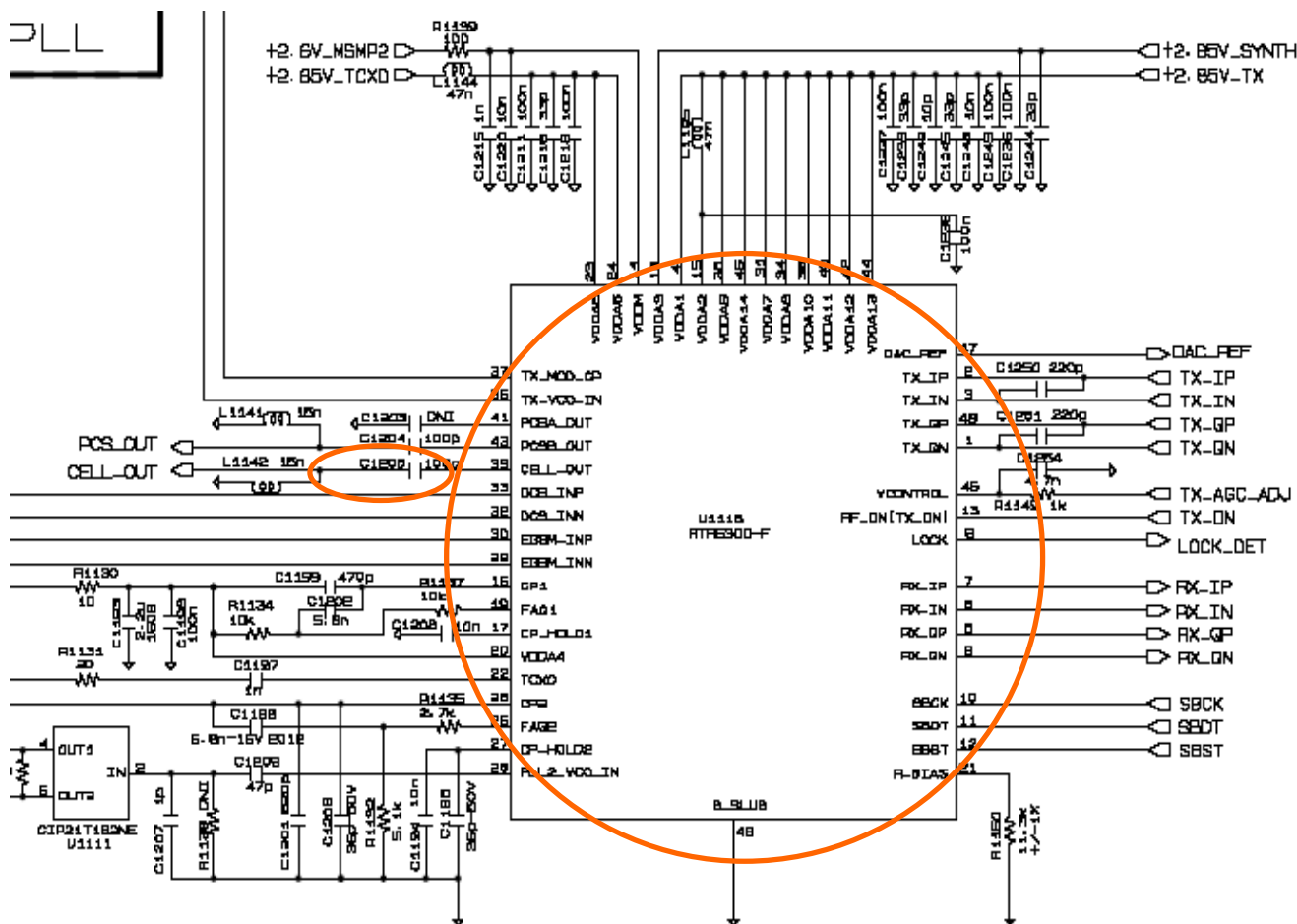


Checking Flow



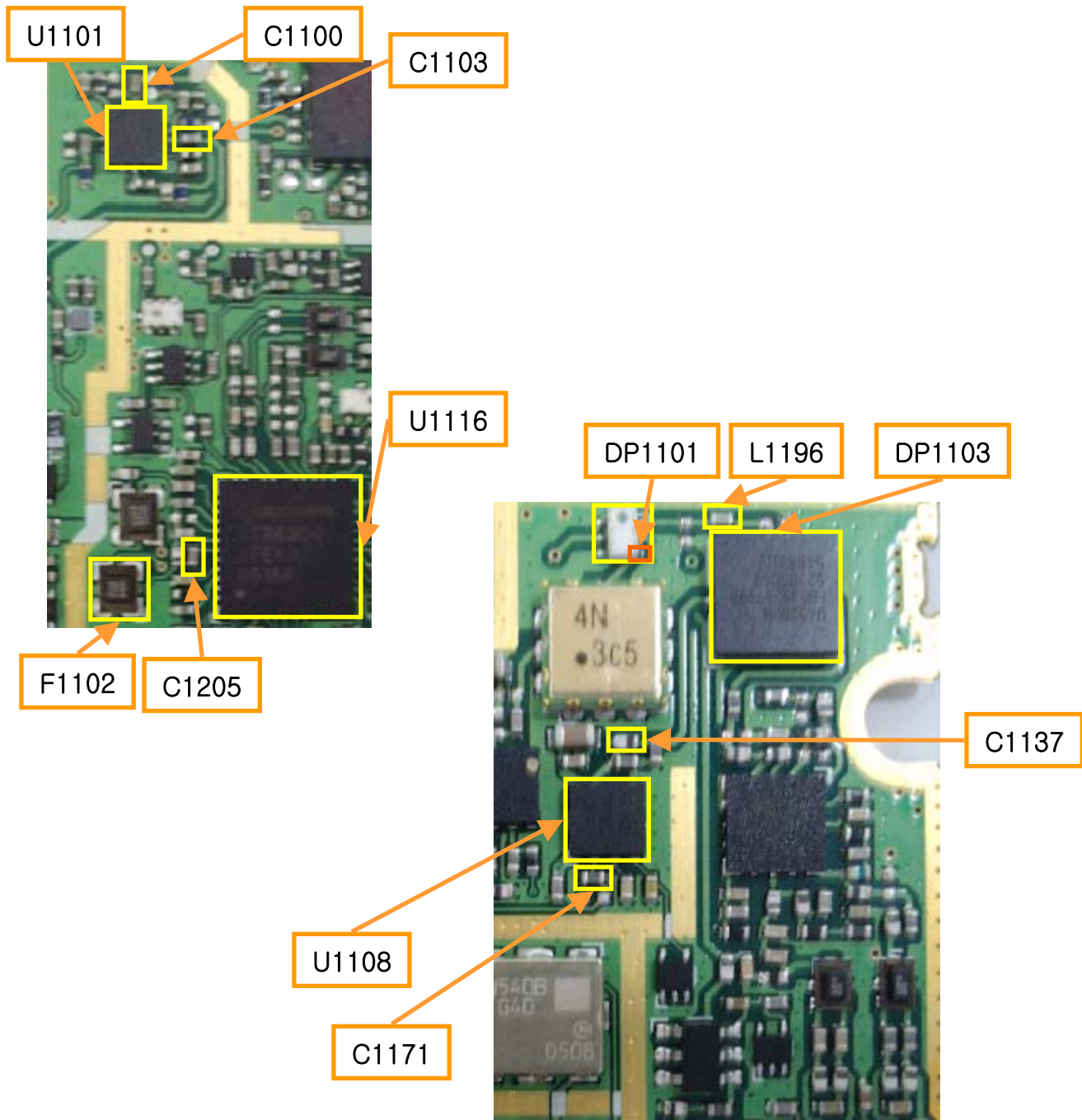


LL

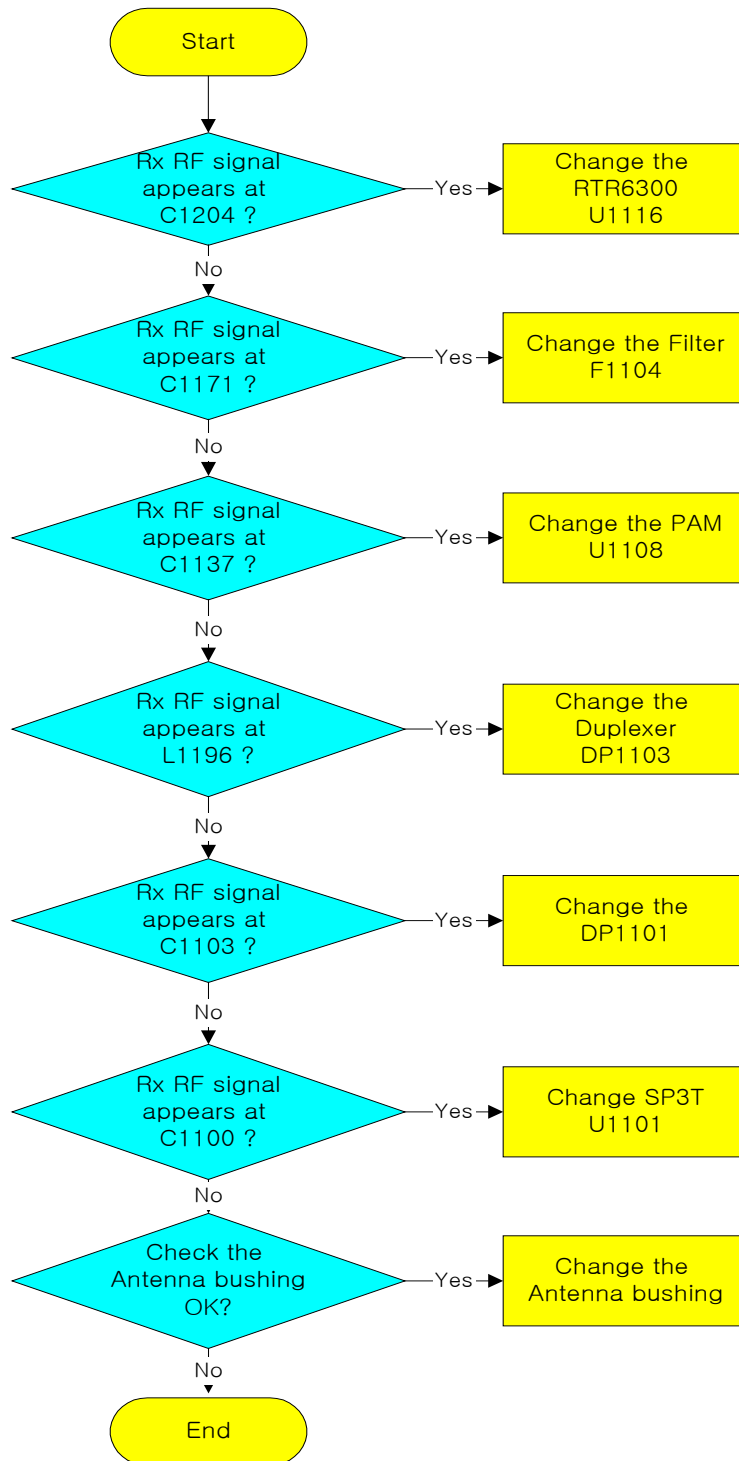


3.2.5 When US-PCS Tx power isn't normal.

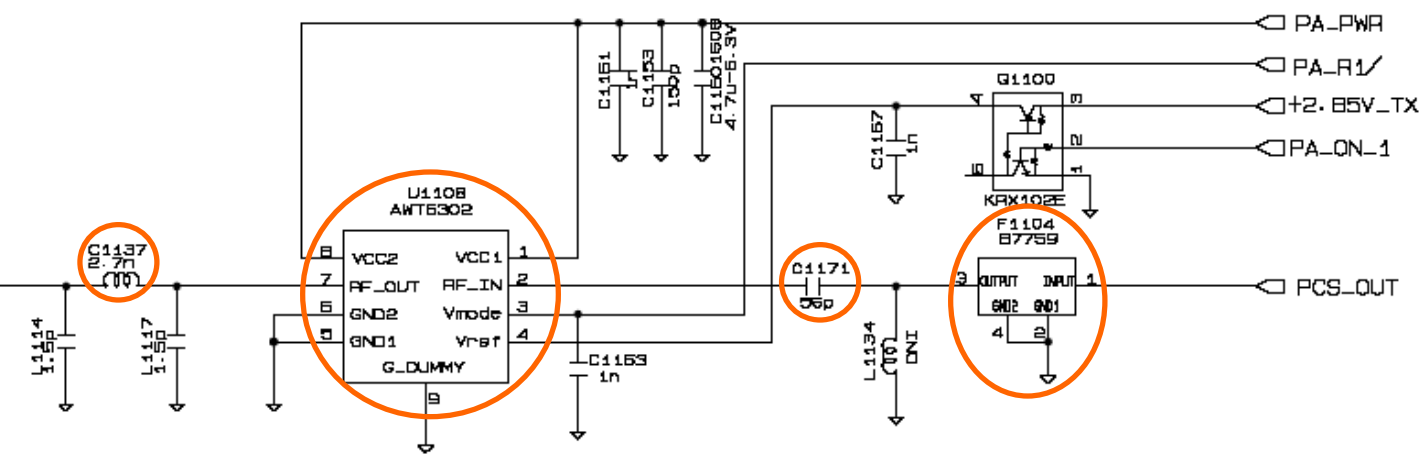
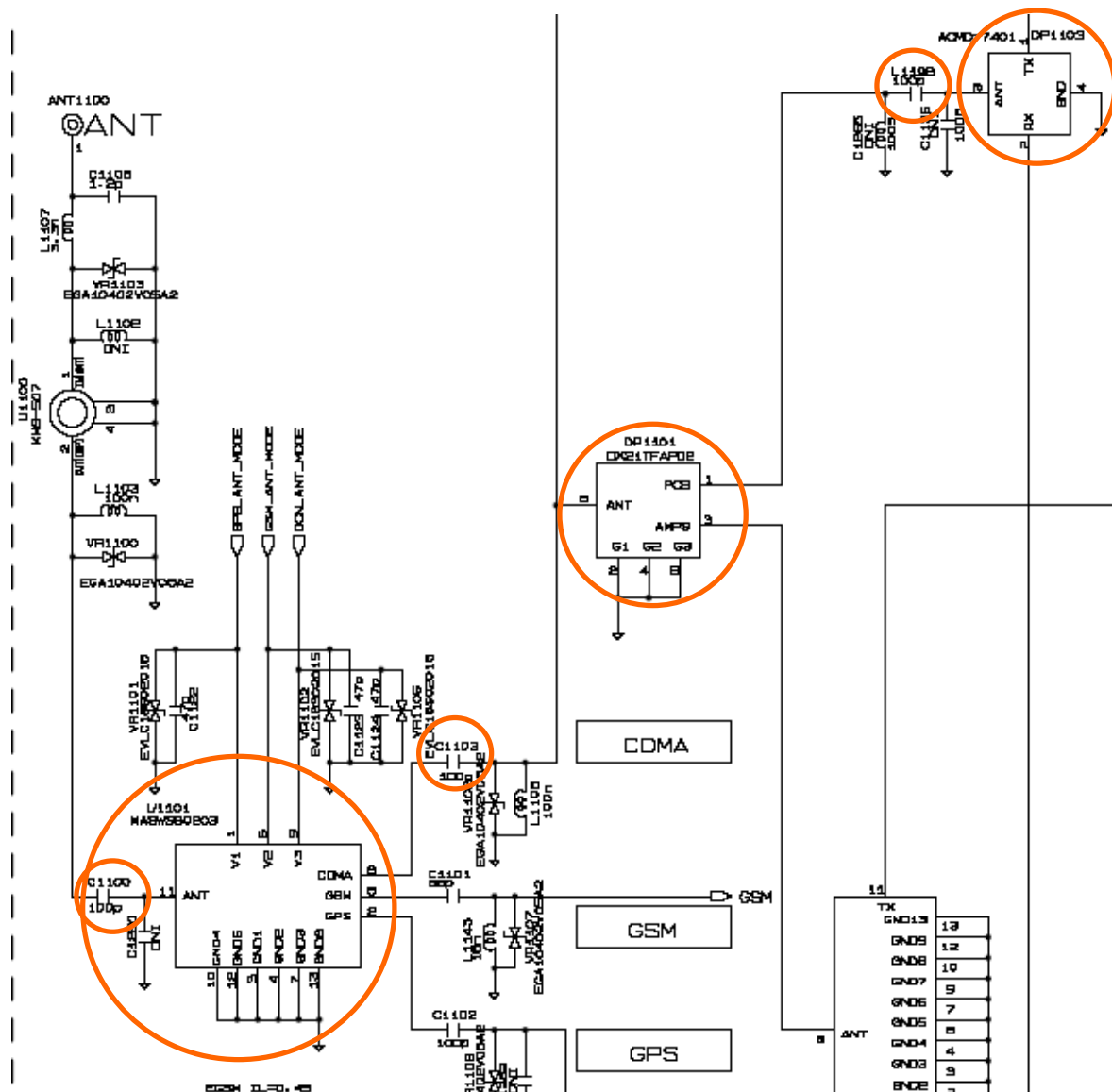
Test Point



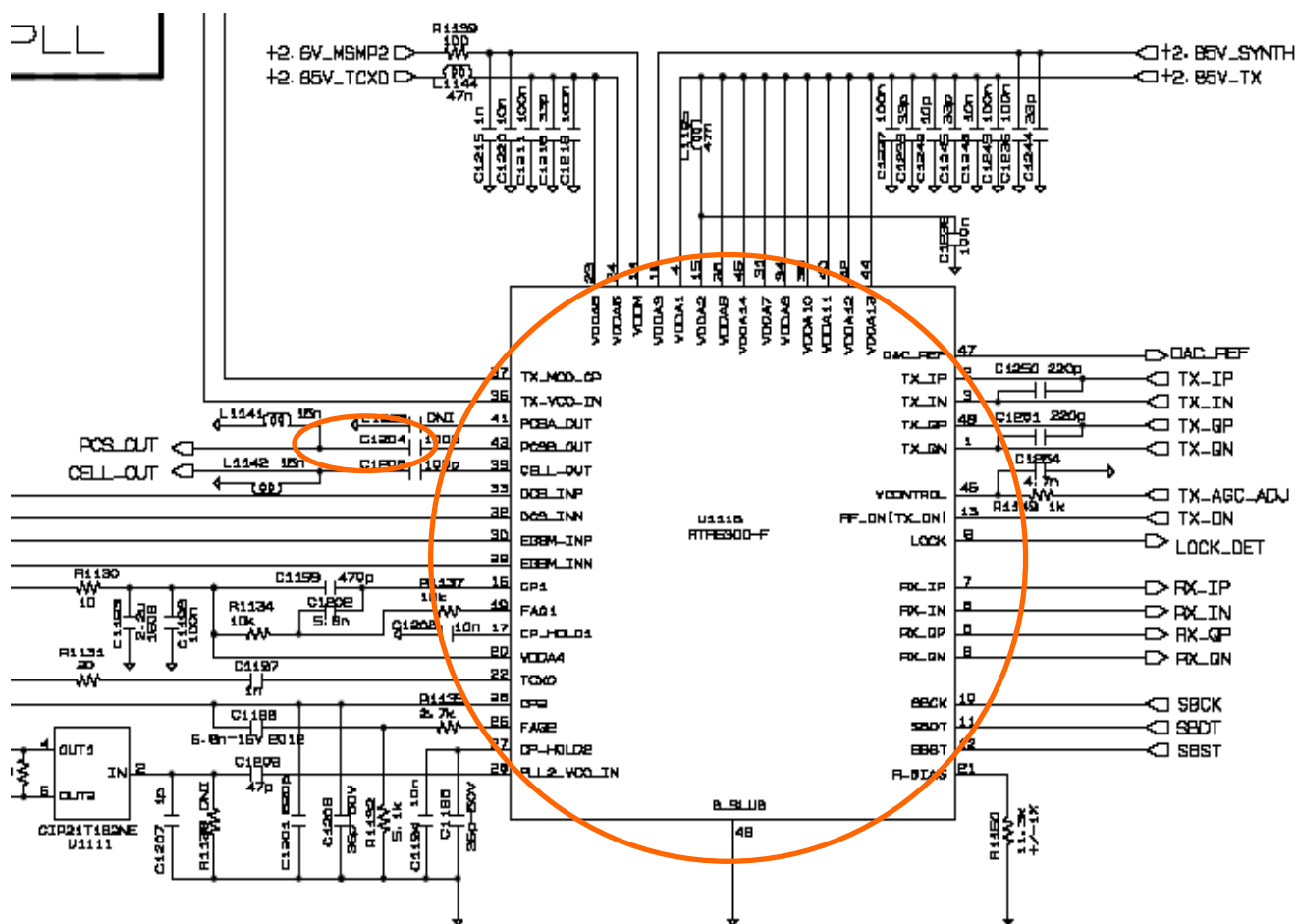
Checking Flow



Circuit Diagram



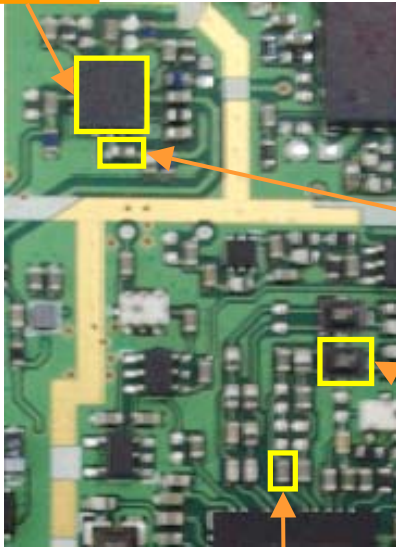
Circuit Diagram



3.2.6 When GSM900 Rx sensitivity isn't normal.

Test Point

U1101



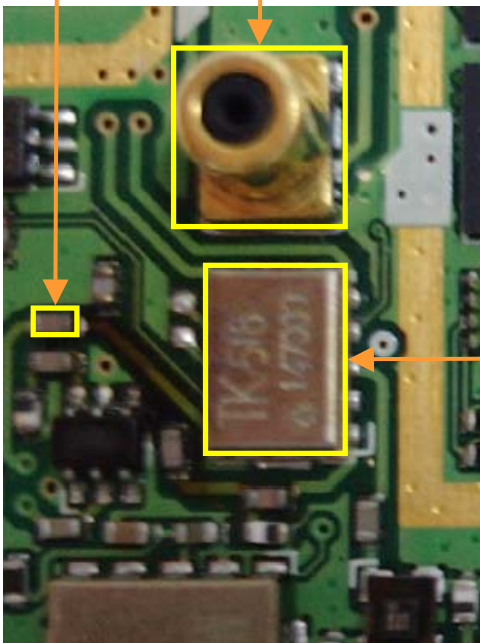
C1101

F1101

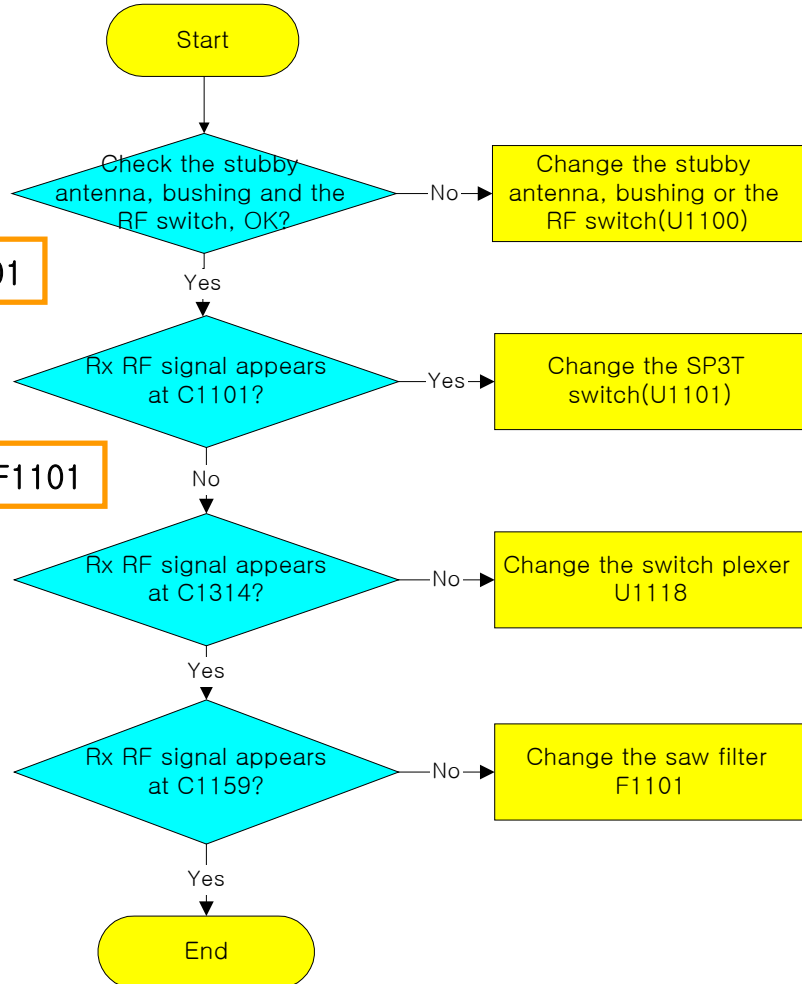
C1159

C1314

U1100

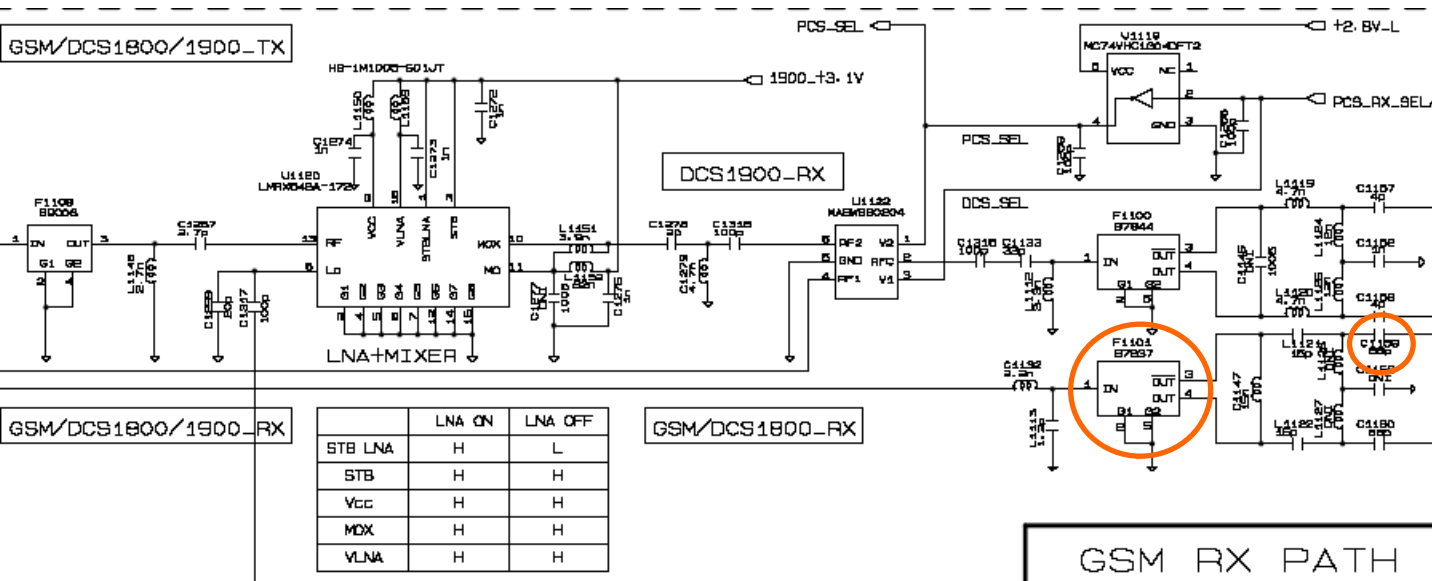


Checking Flow



U1118

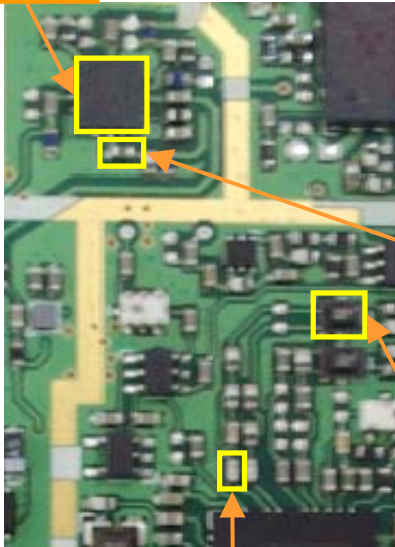
Circuit Diagram



3.2.7 When DCS1800 Rx sensitivity isn't normal.

Test Point

U1101



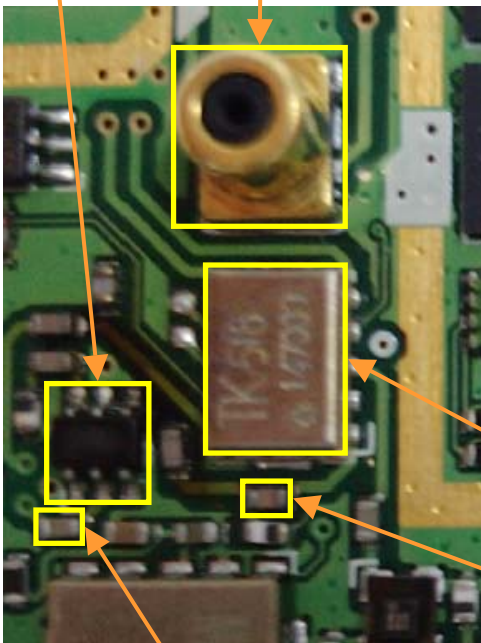
C1101

F1100

C1157

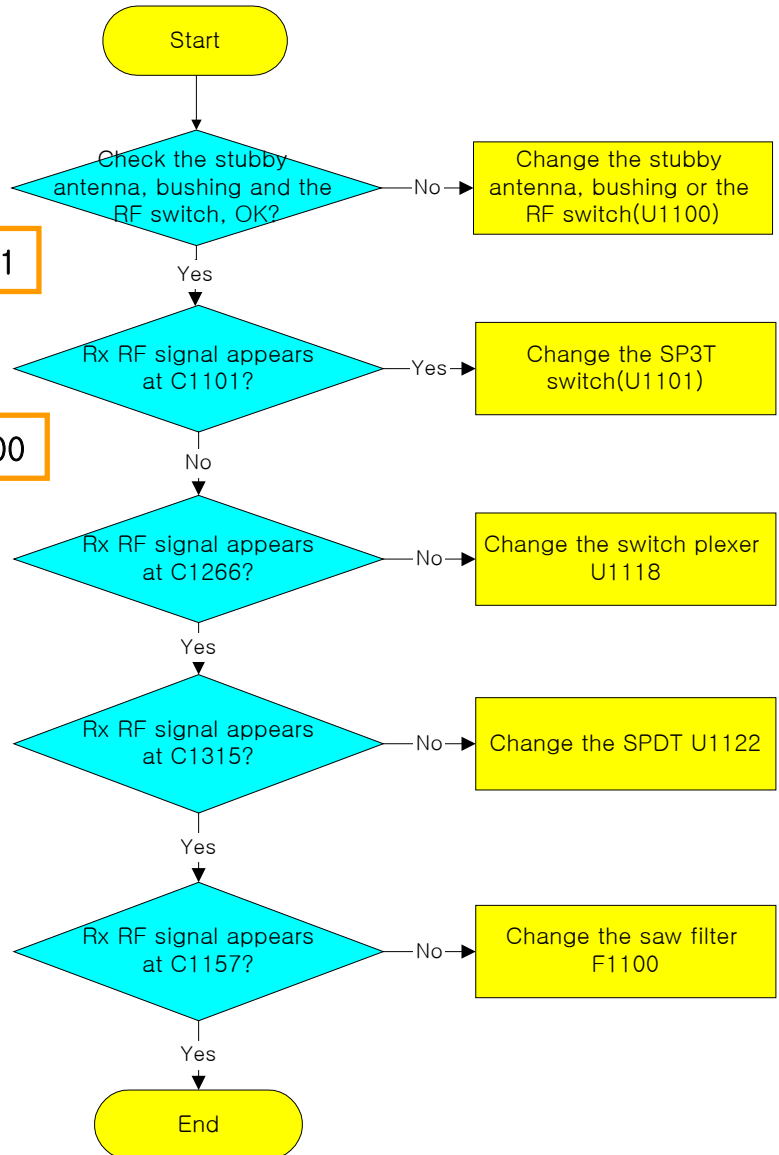
U1122

U1100



C1315

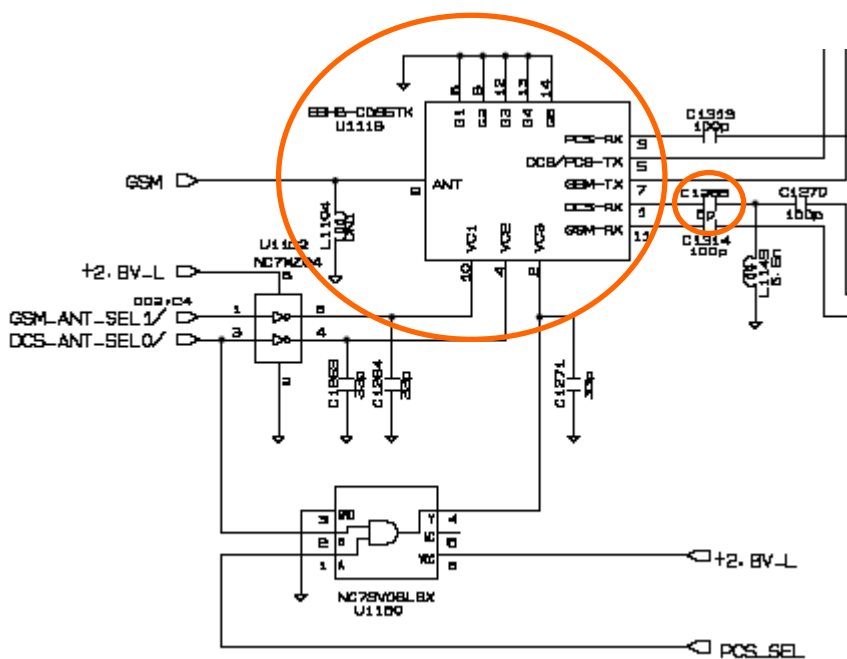
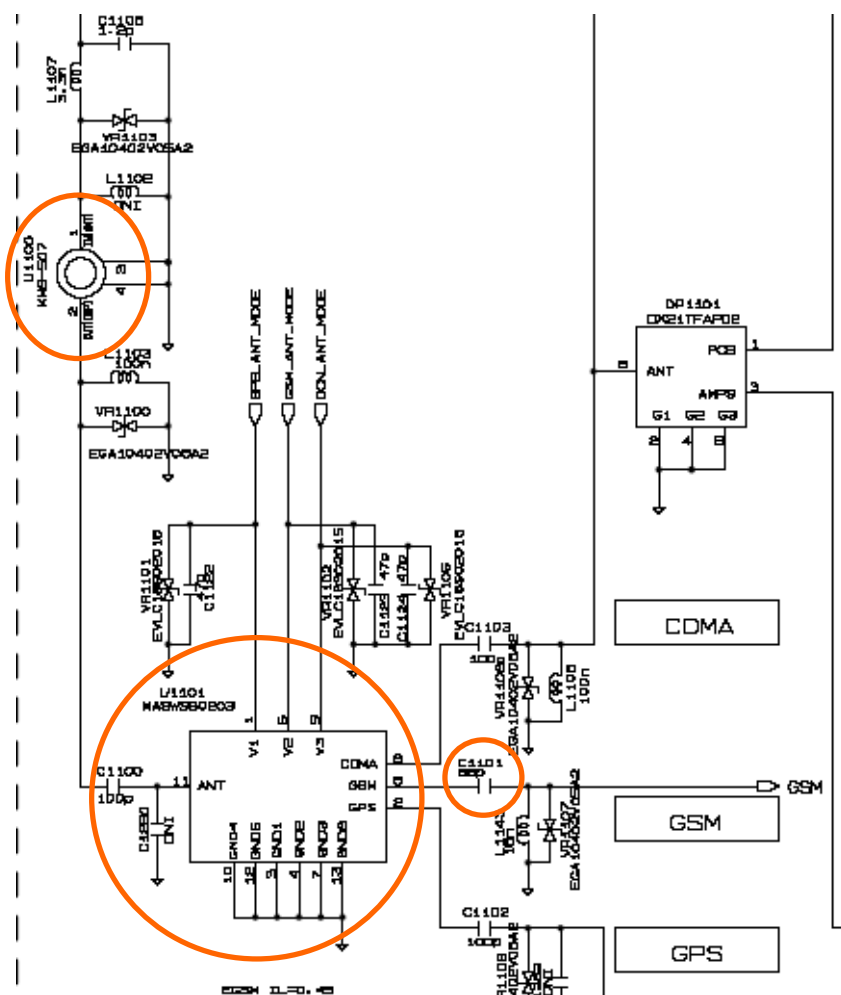
Checking Flow



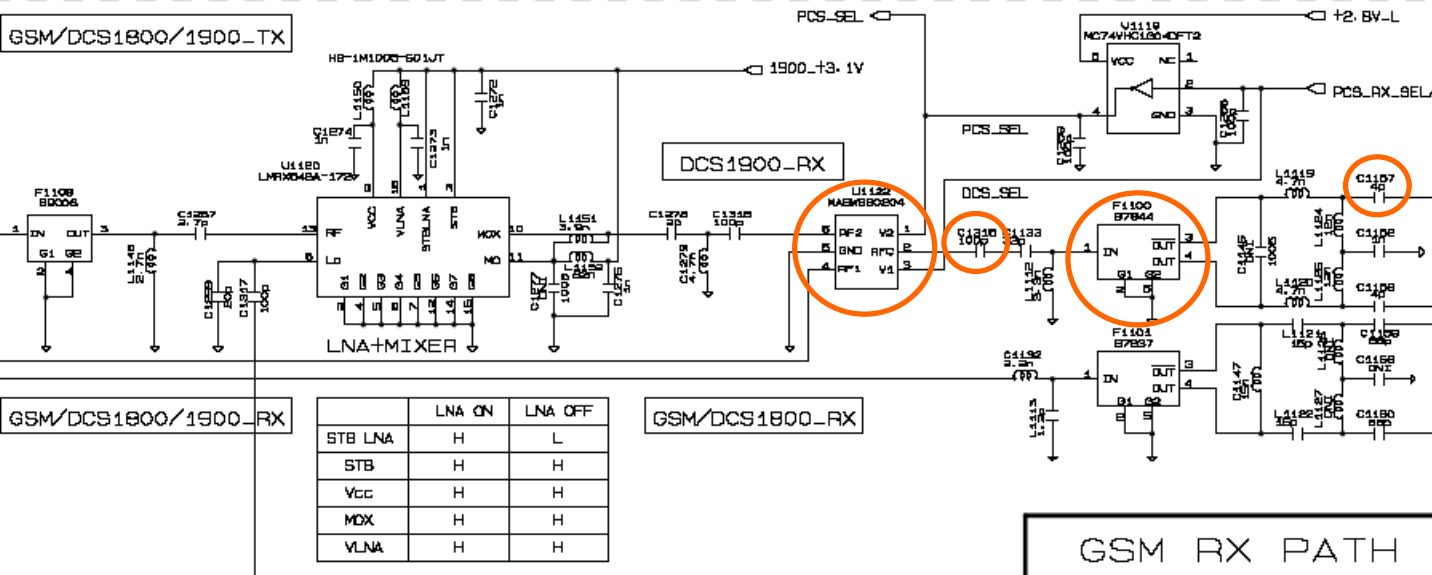
U1118

C1266

Circuit Diagram



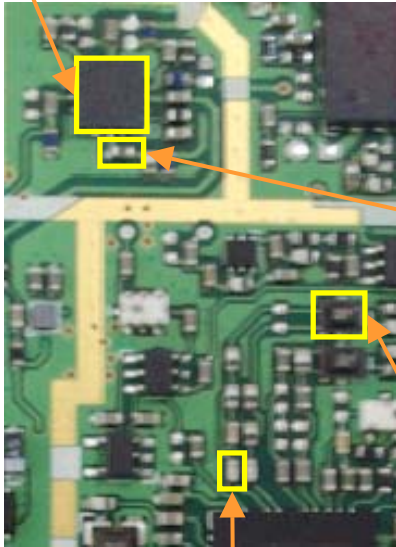
Circuit Diagram



3.2.8 When PCS1900 Rx sensitivity isn't normal.

Test Point

U1101



C1101

F1100

C1157

U1100

C1316

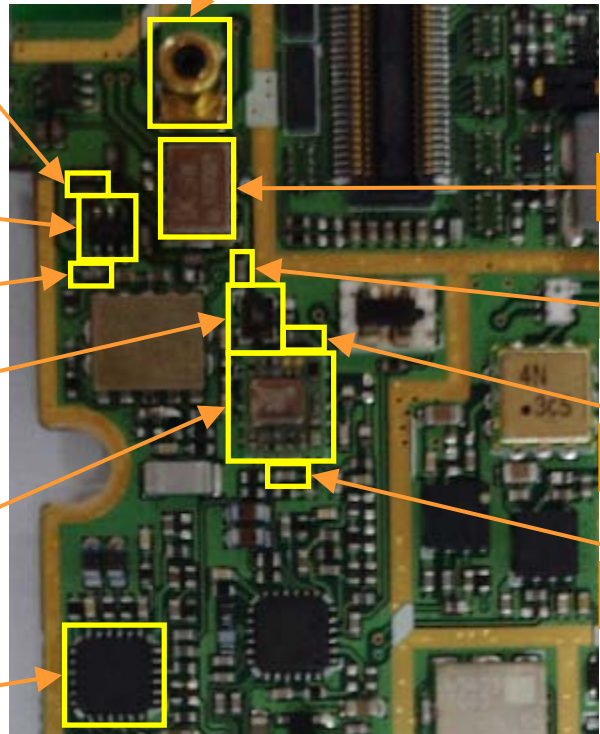
U1122

C1315

F1108

U1120

U1147



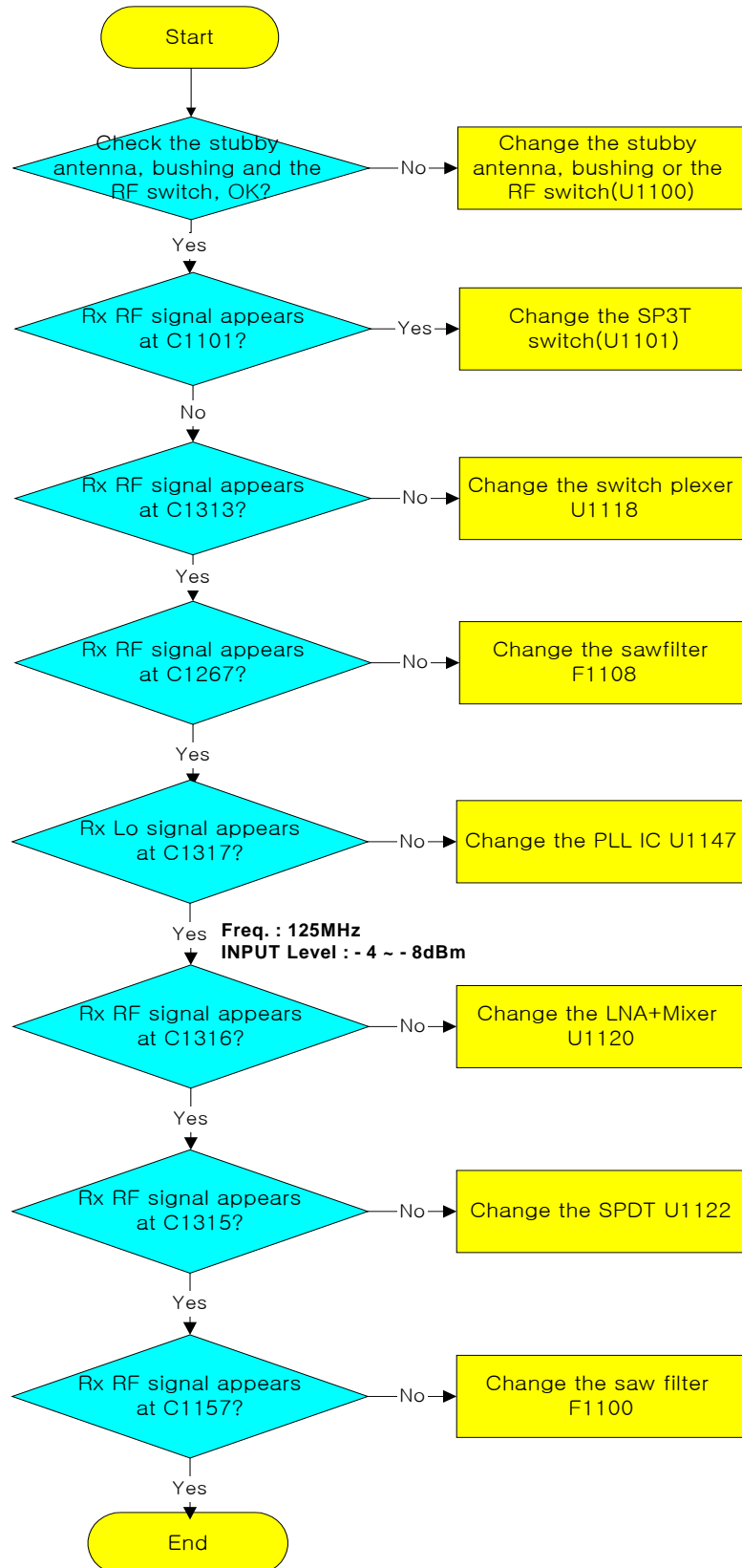
U1118

C1313

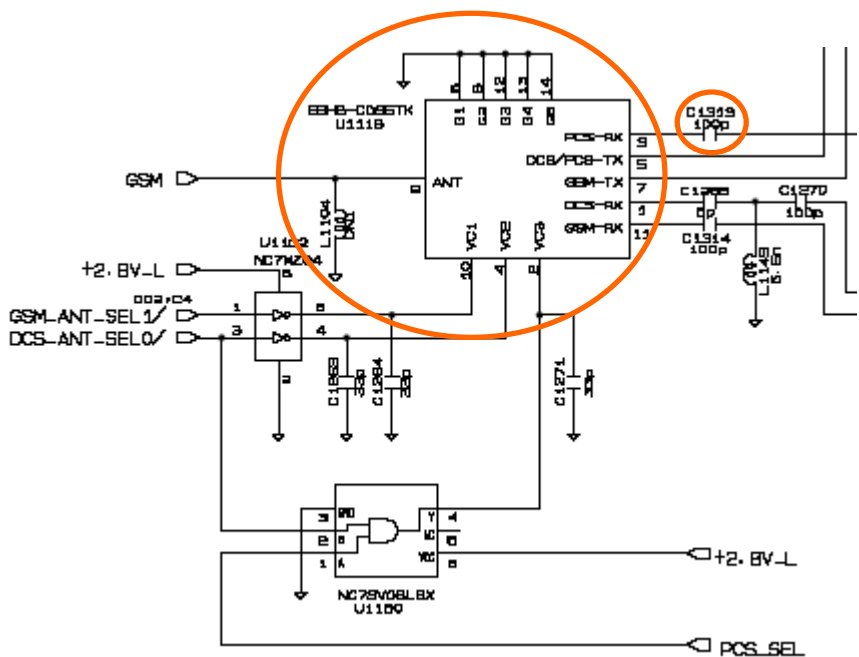
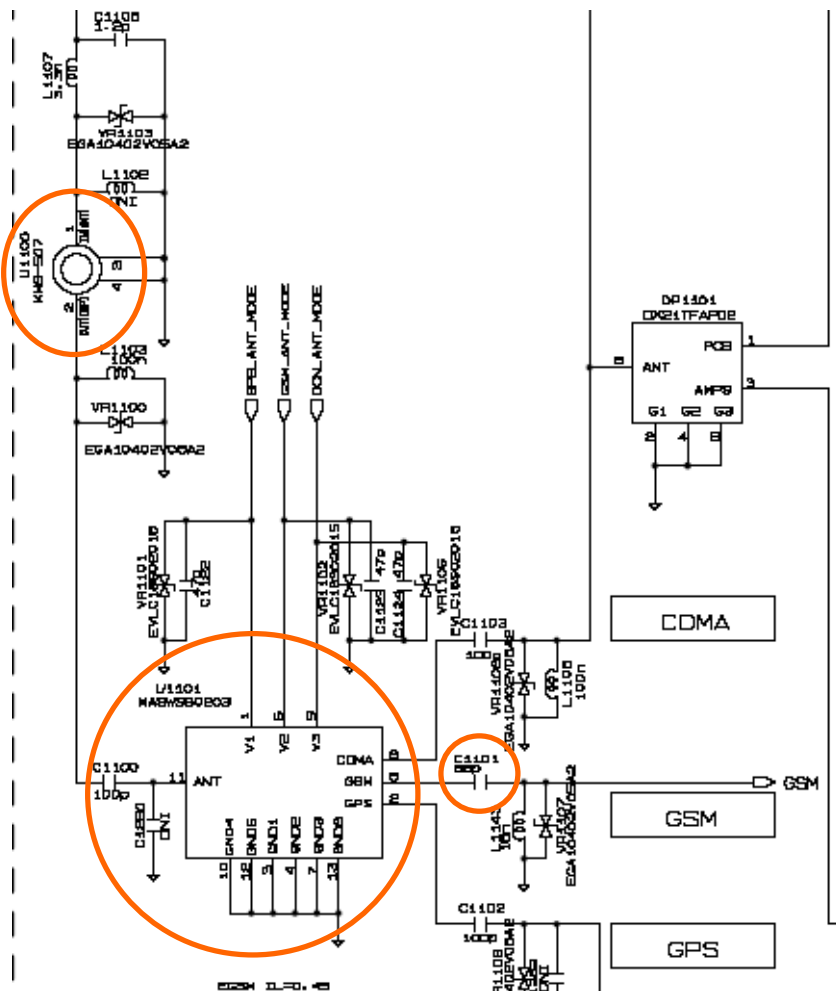
C1267

C1317

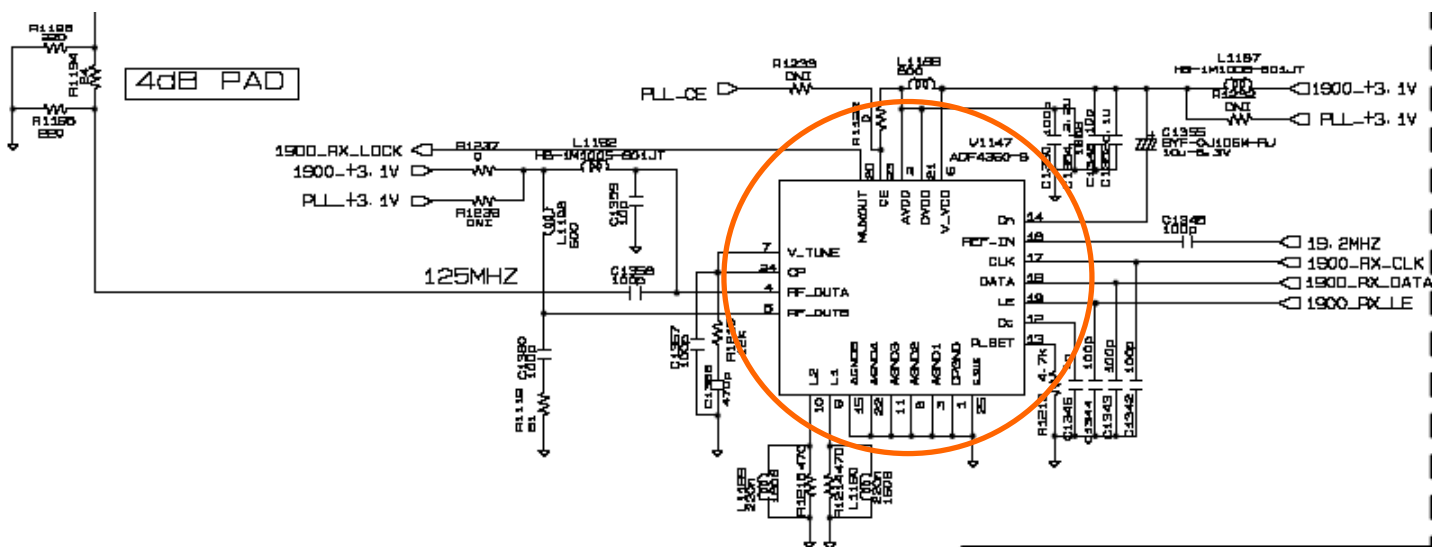
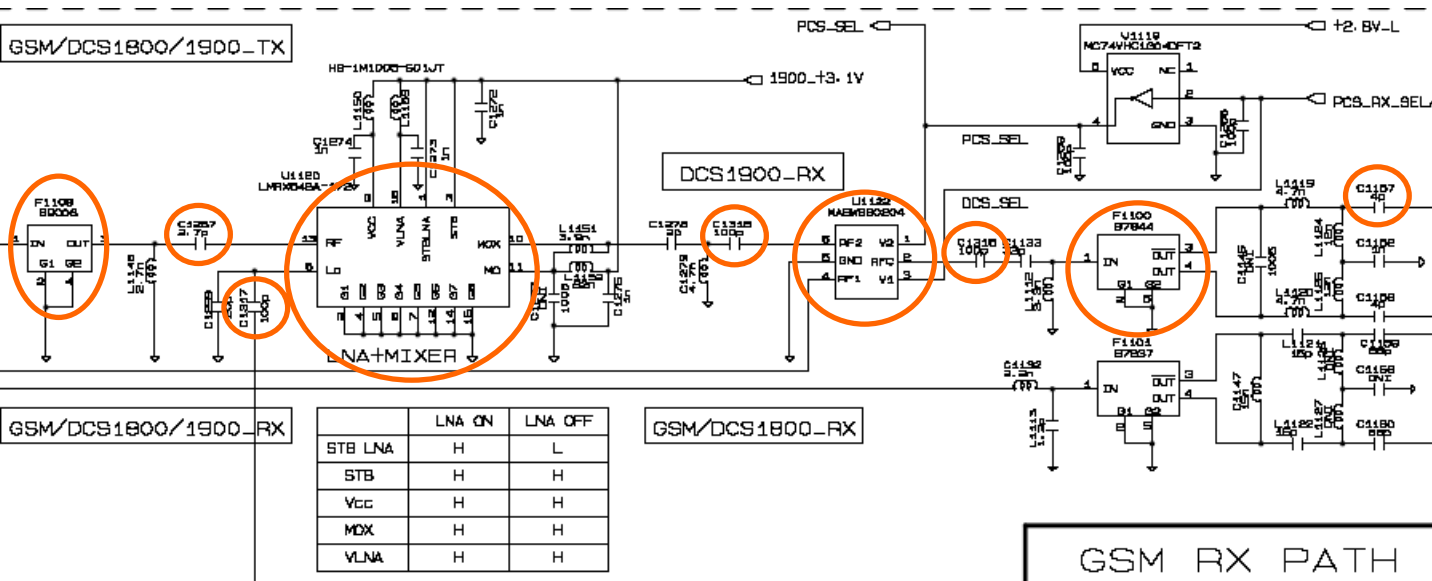
Checking Flow



Circuit Diagram



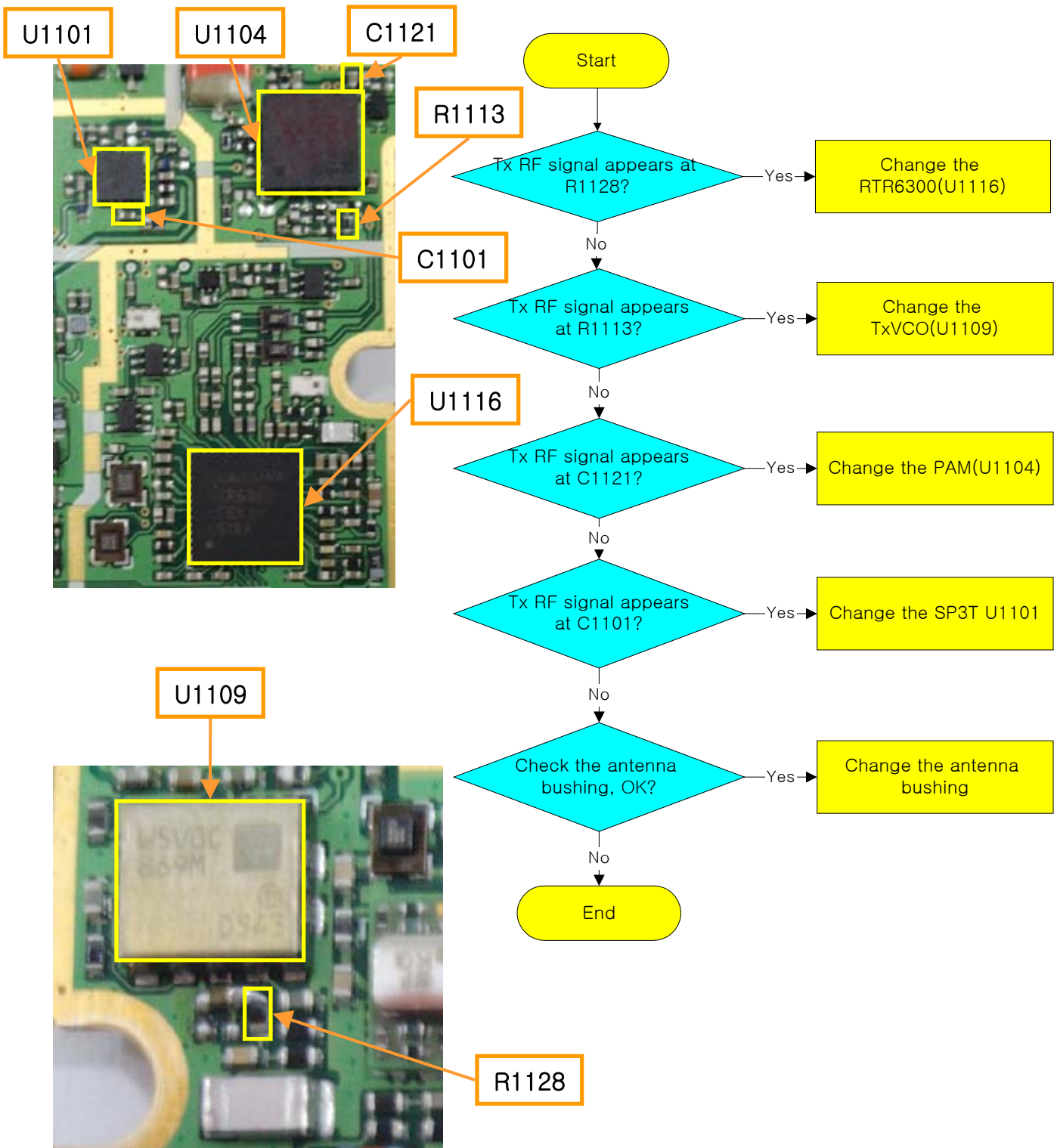
Circuit Diagram



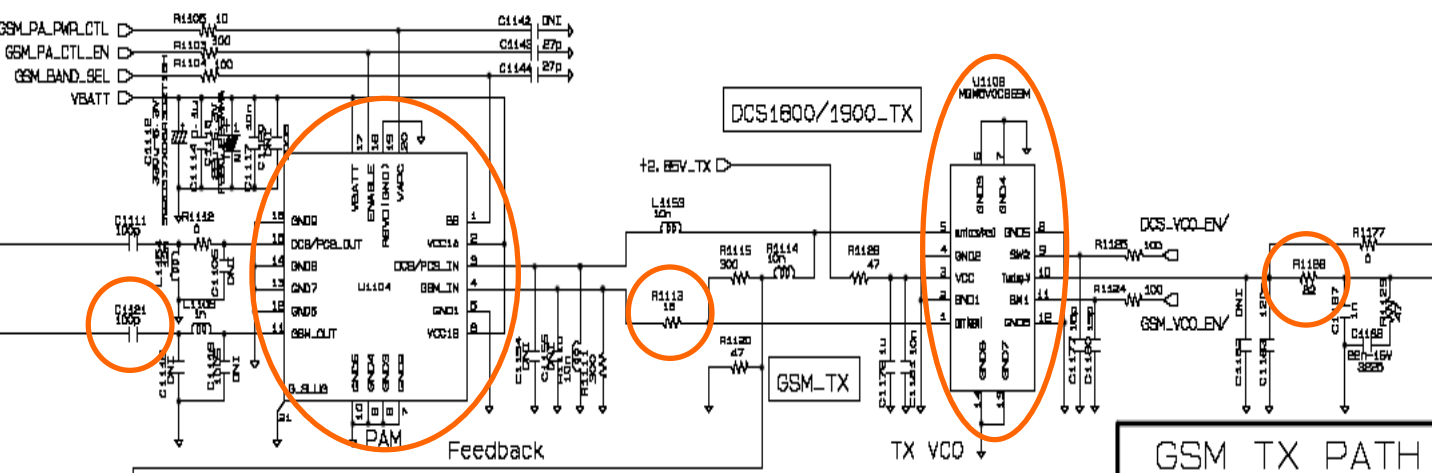
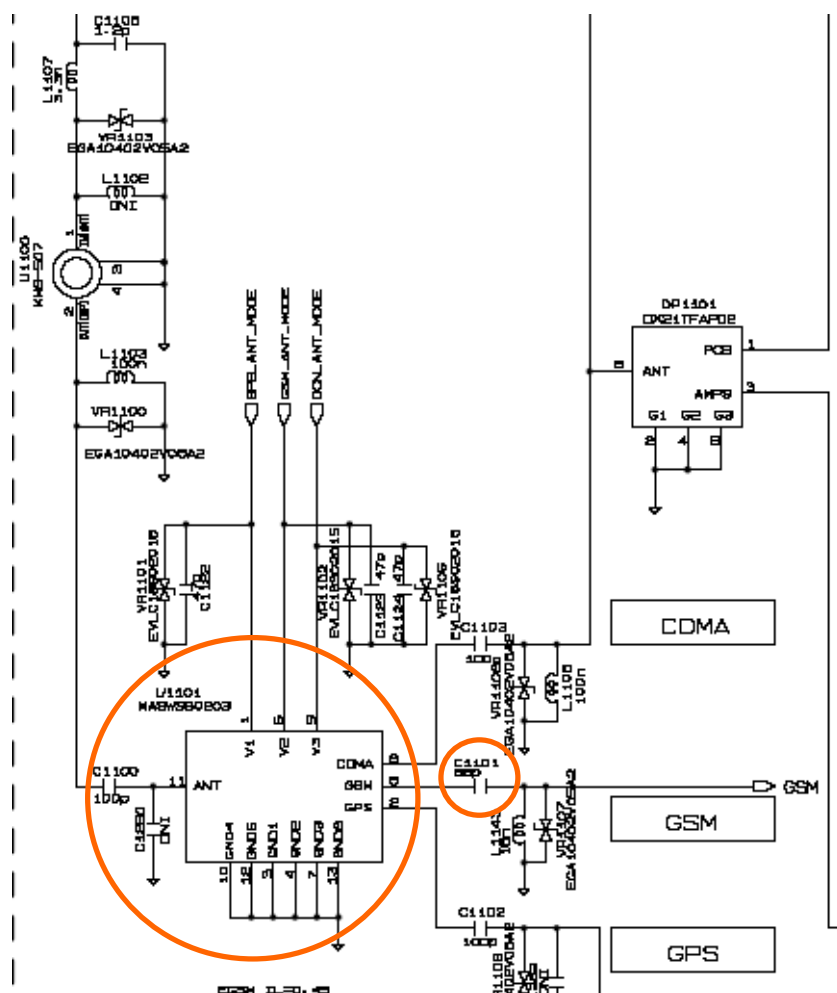
3.2.9 When GSM900 Tx power isn't normal.

Test Point

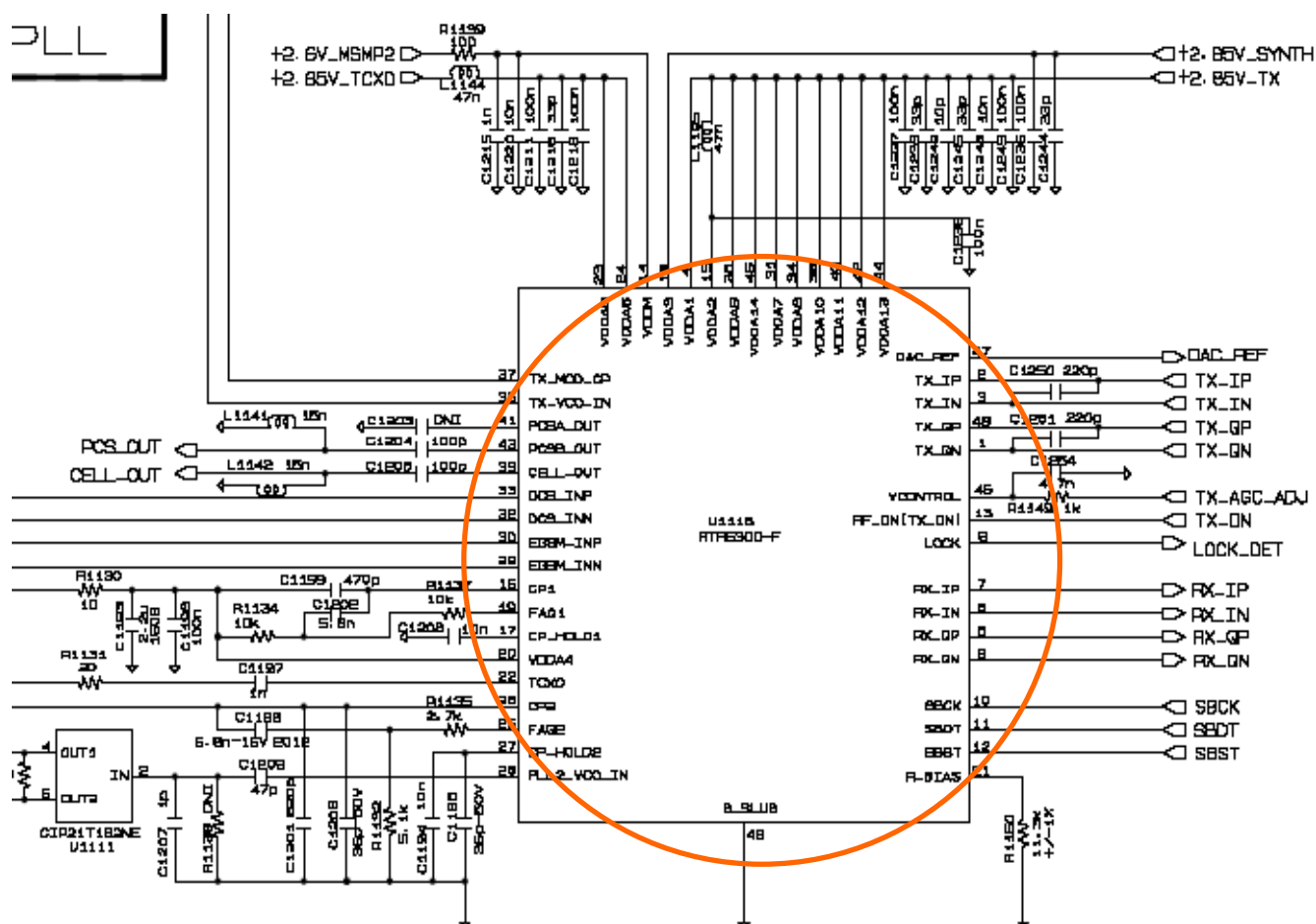
Checking Flow



Circuit Diagram



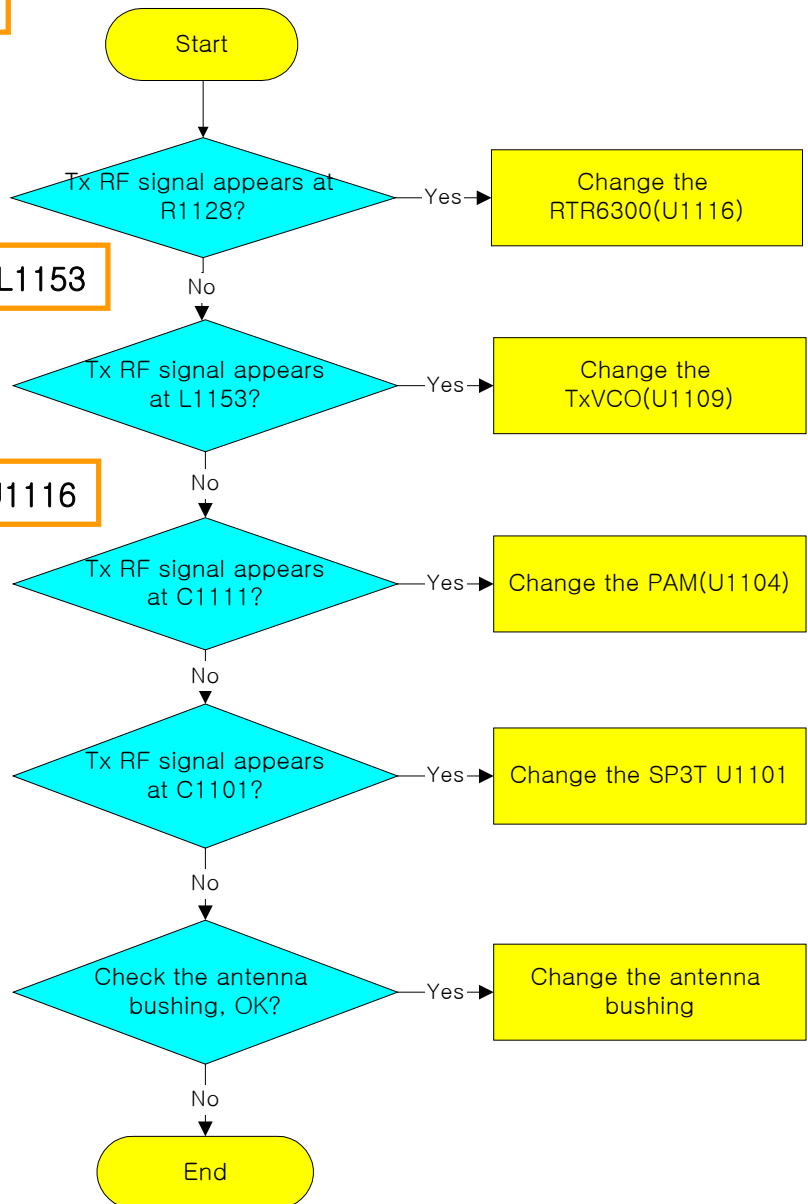
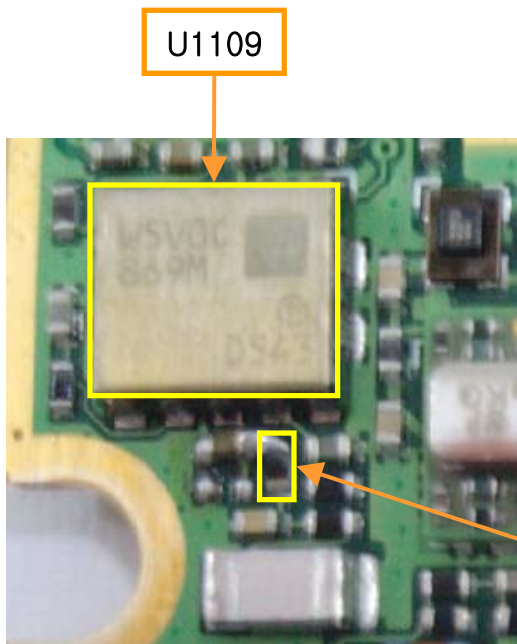
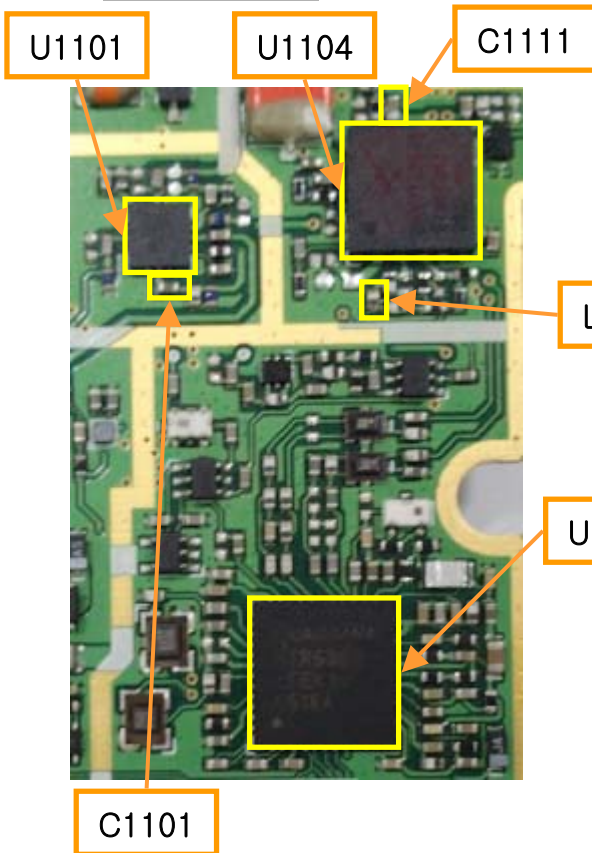
LL

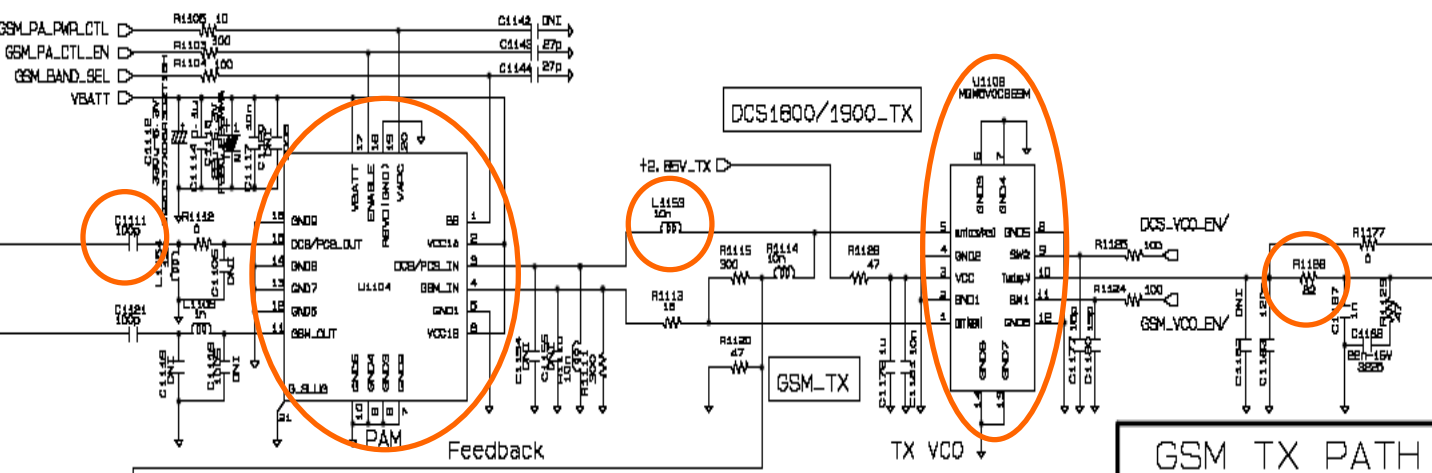


3.2.10 When DCS1800 Tx power isn't normal.

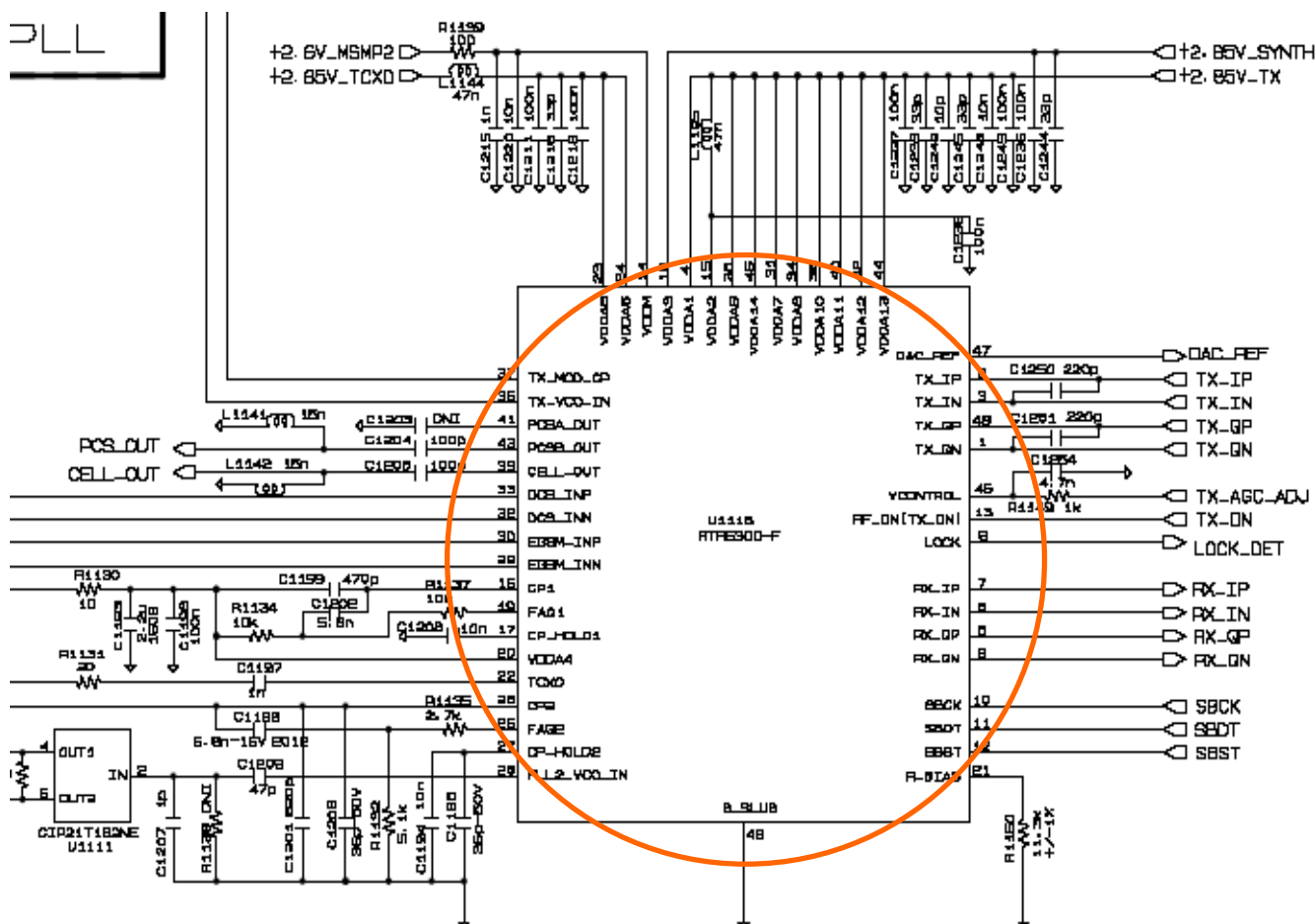
Test Point

Checking Flow



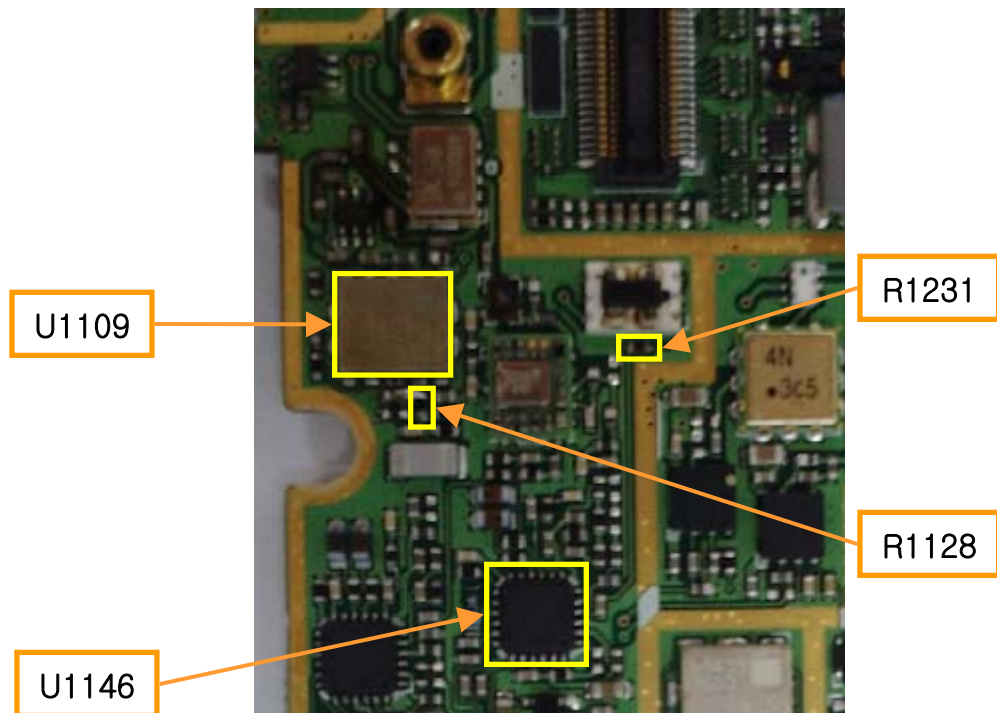
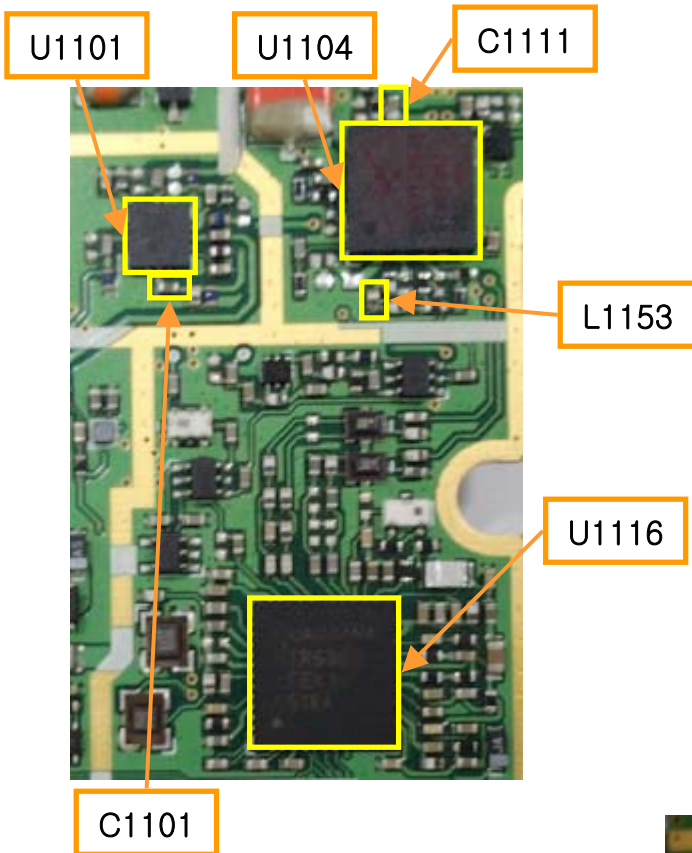
[illegible]

PLL

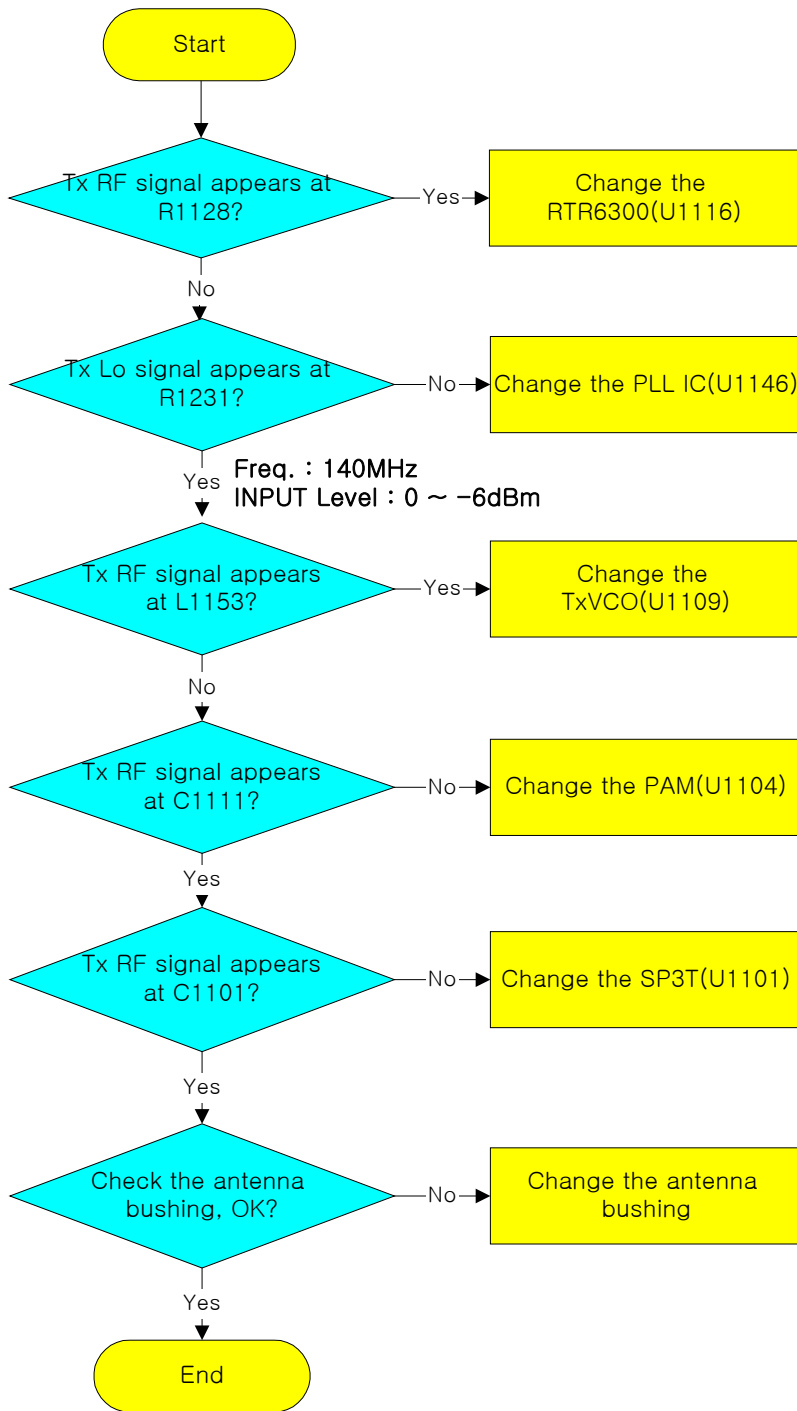


3.2.11 When PCS1900 Tx power isn't normal.

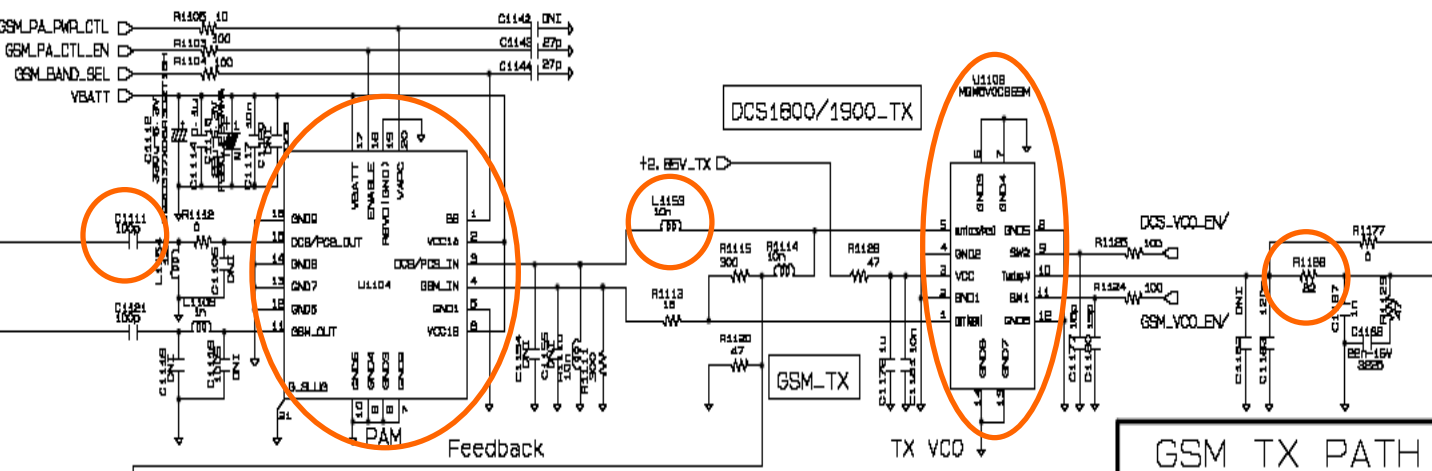
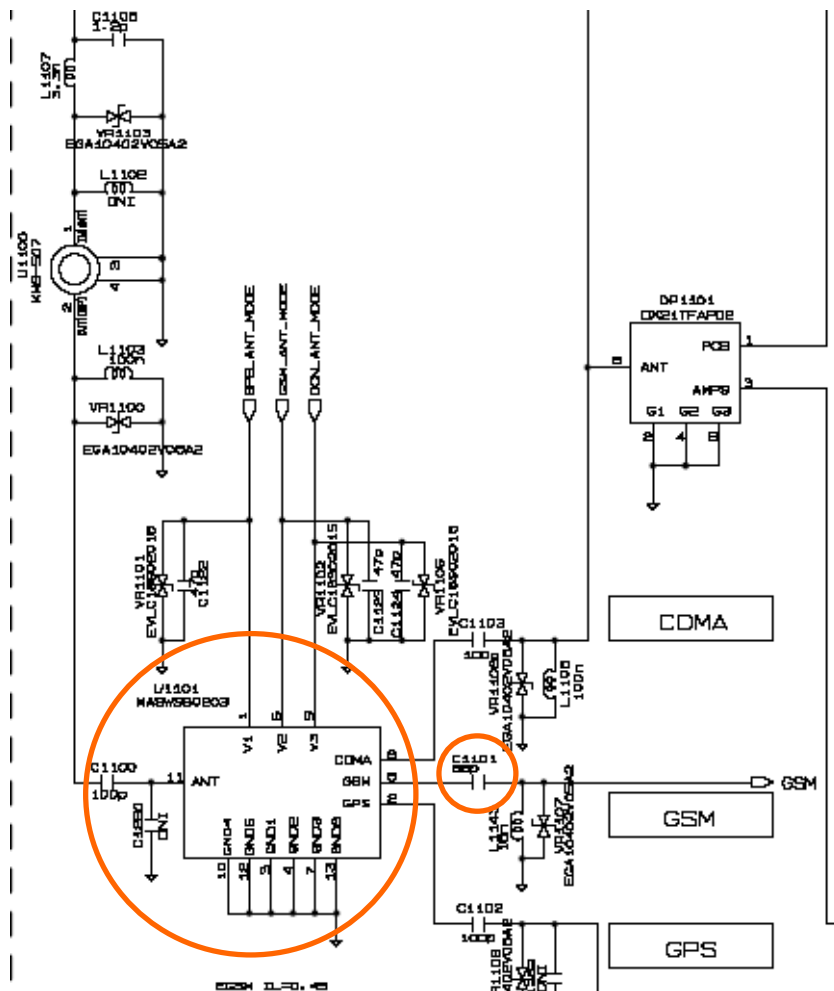
Test Point



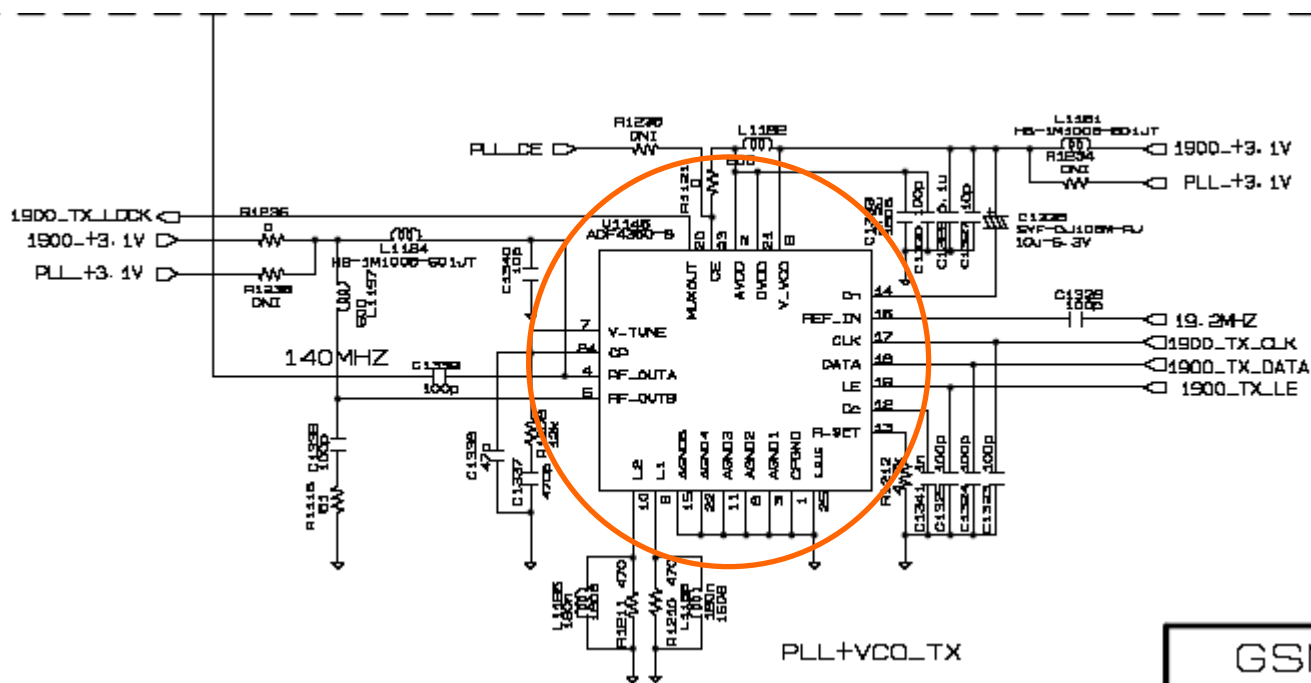
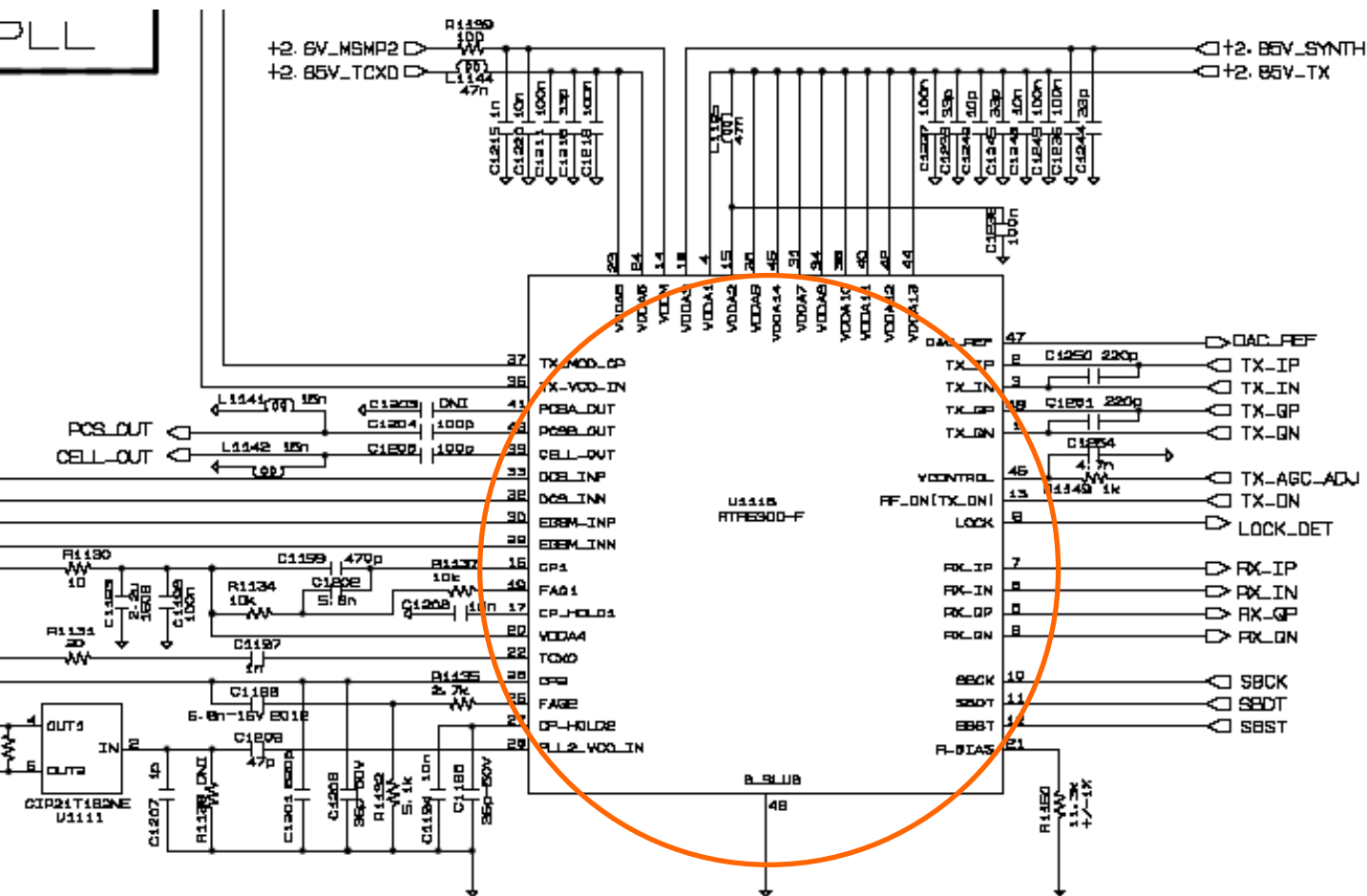
Checking Flow



Circuit Diagram



Circuit Diagram



Circuit Diagram

