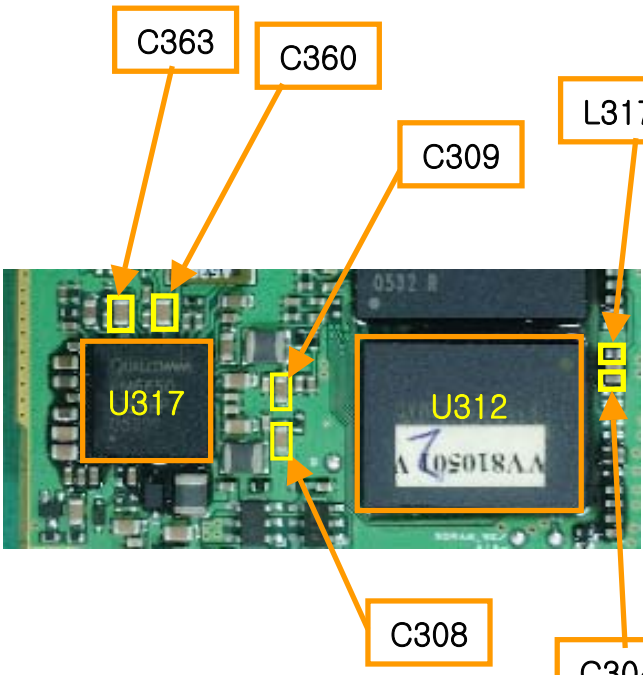
CHAPTER 3. Trouble Shooting

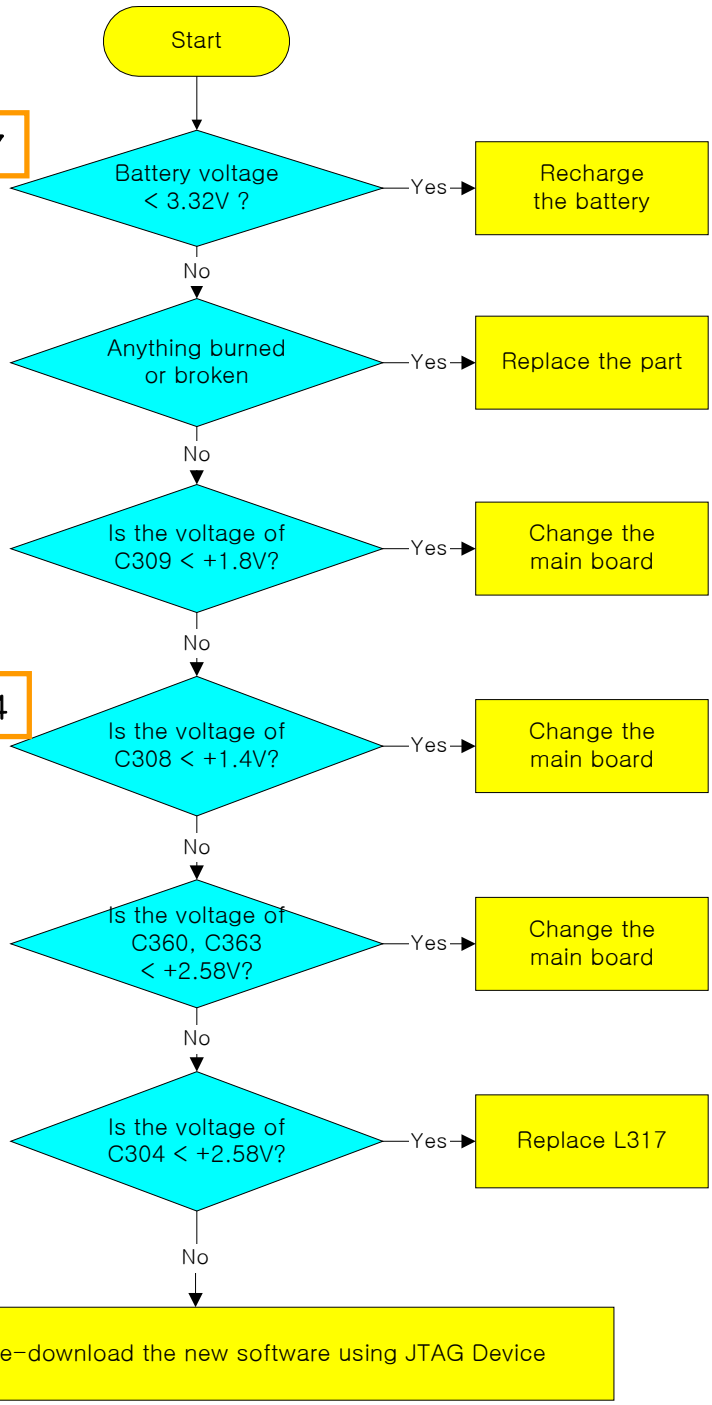
3.1 Logic Part Trouble

3.1.1 When power does not turn on

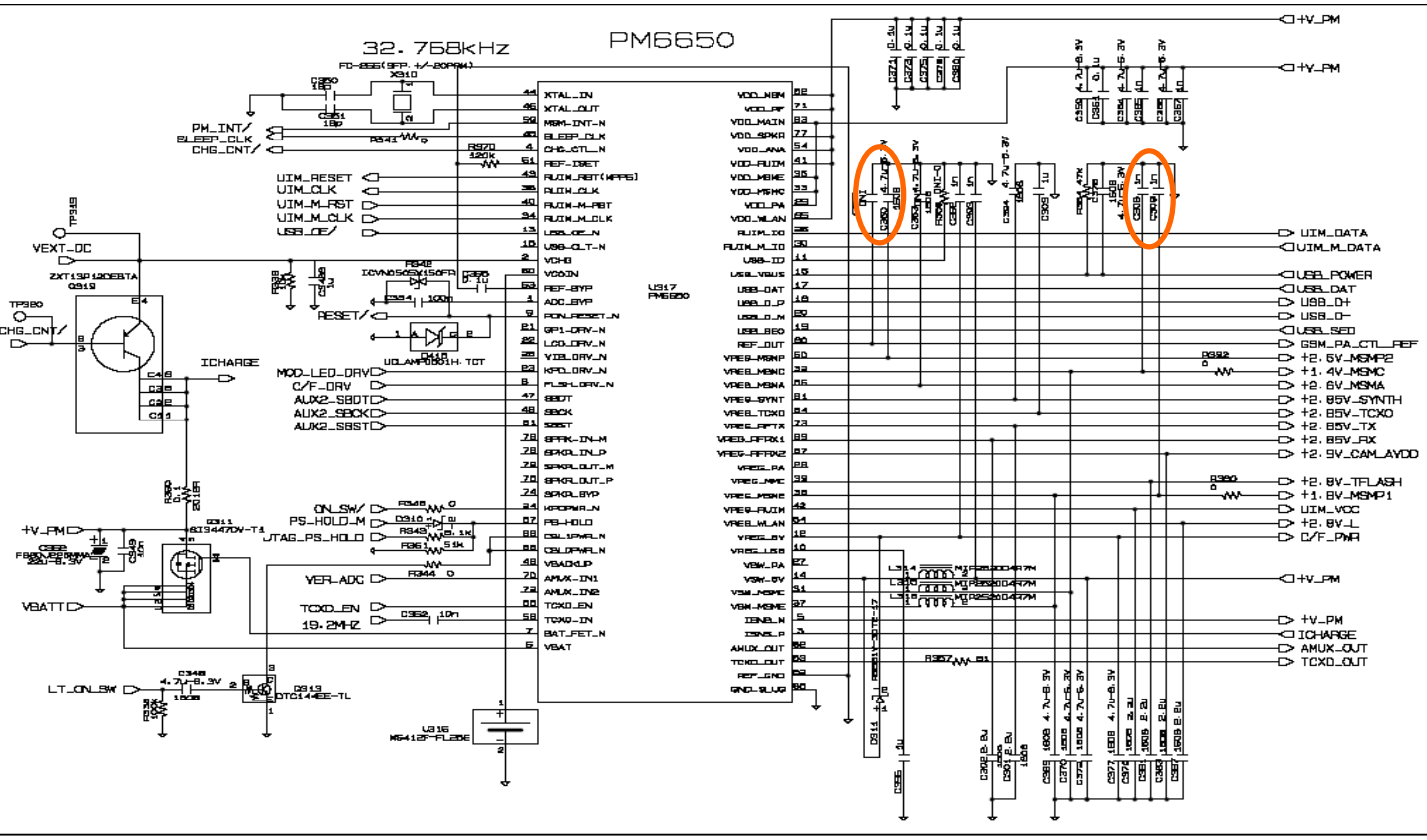
Test Point



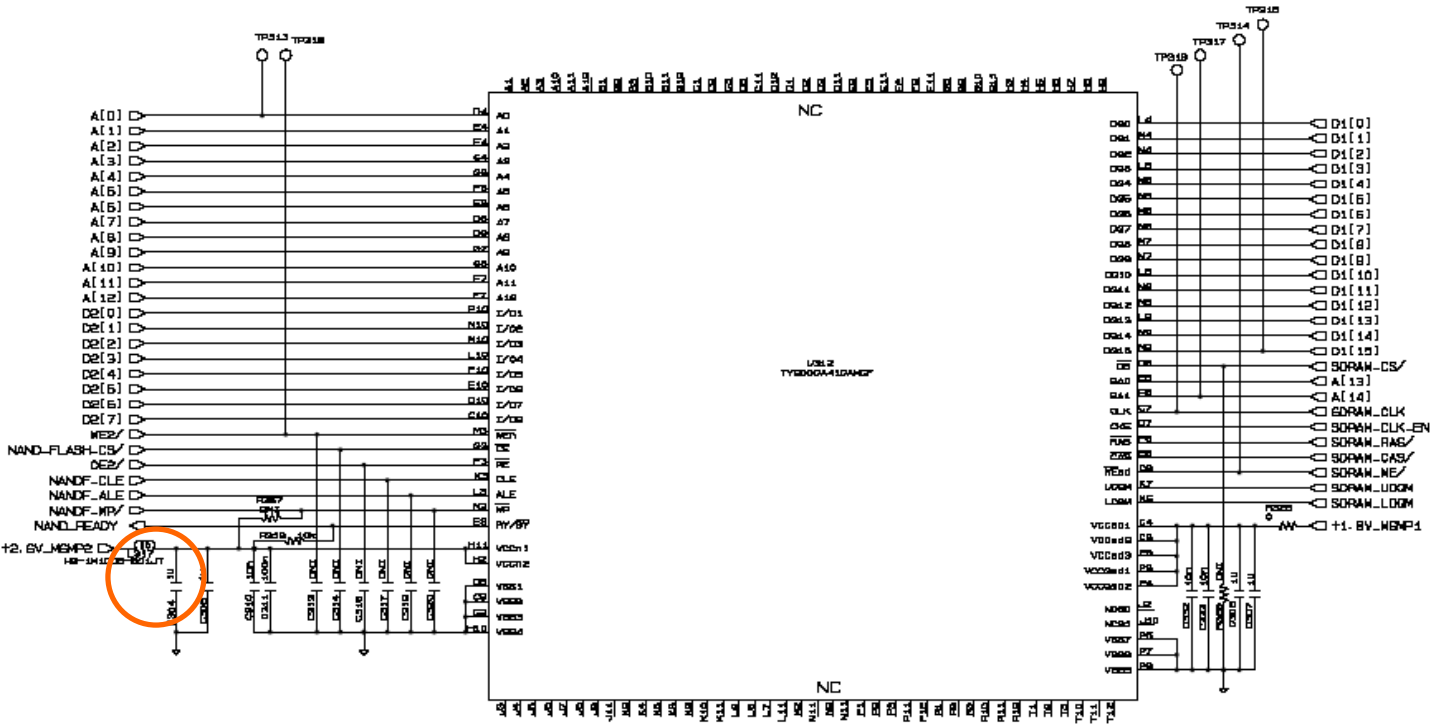
Checking Flow



Circuit Diagram

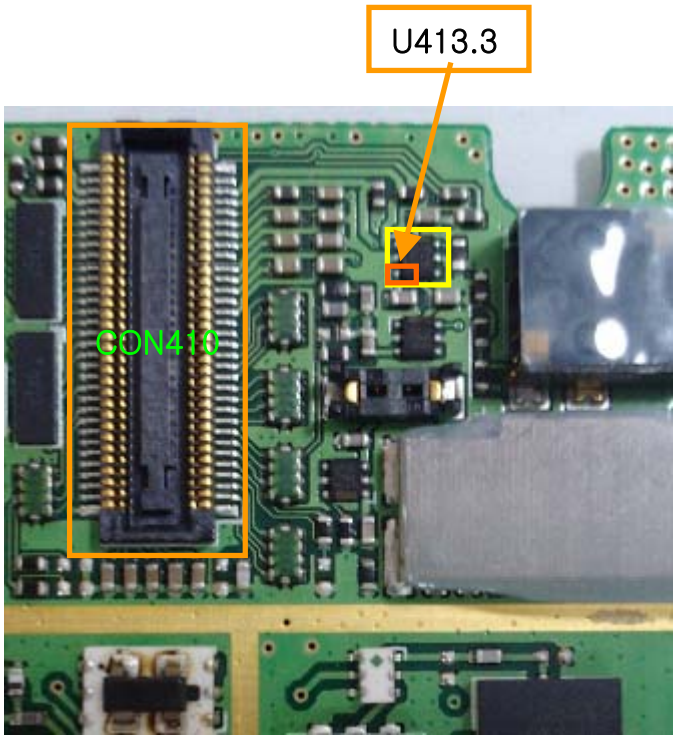


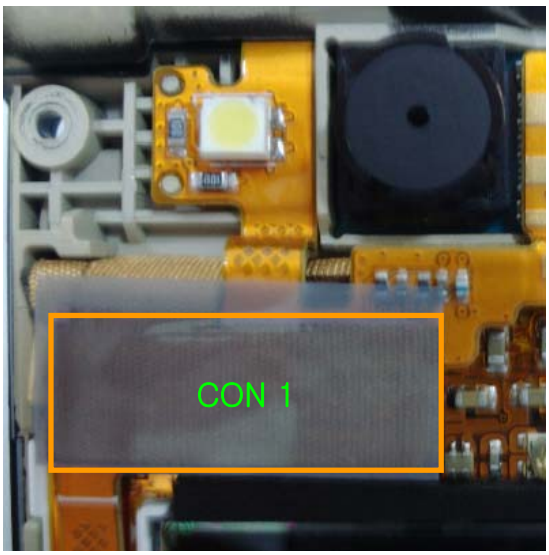
Memory : NAND (1Gb) / SDRAM (512Mb) From LG-SV550



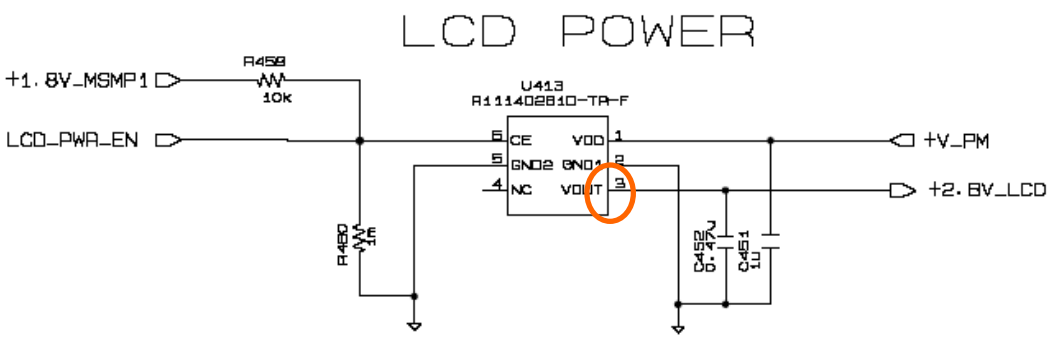
3.1.2 When LCD does not display.

Test Point

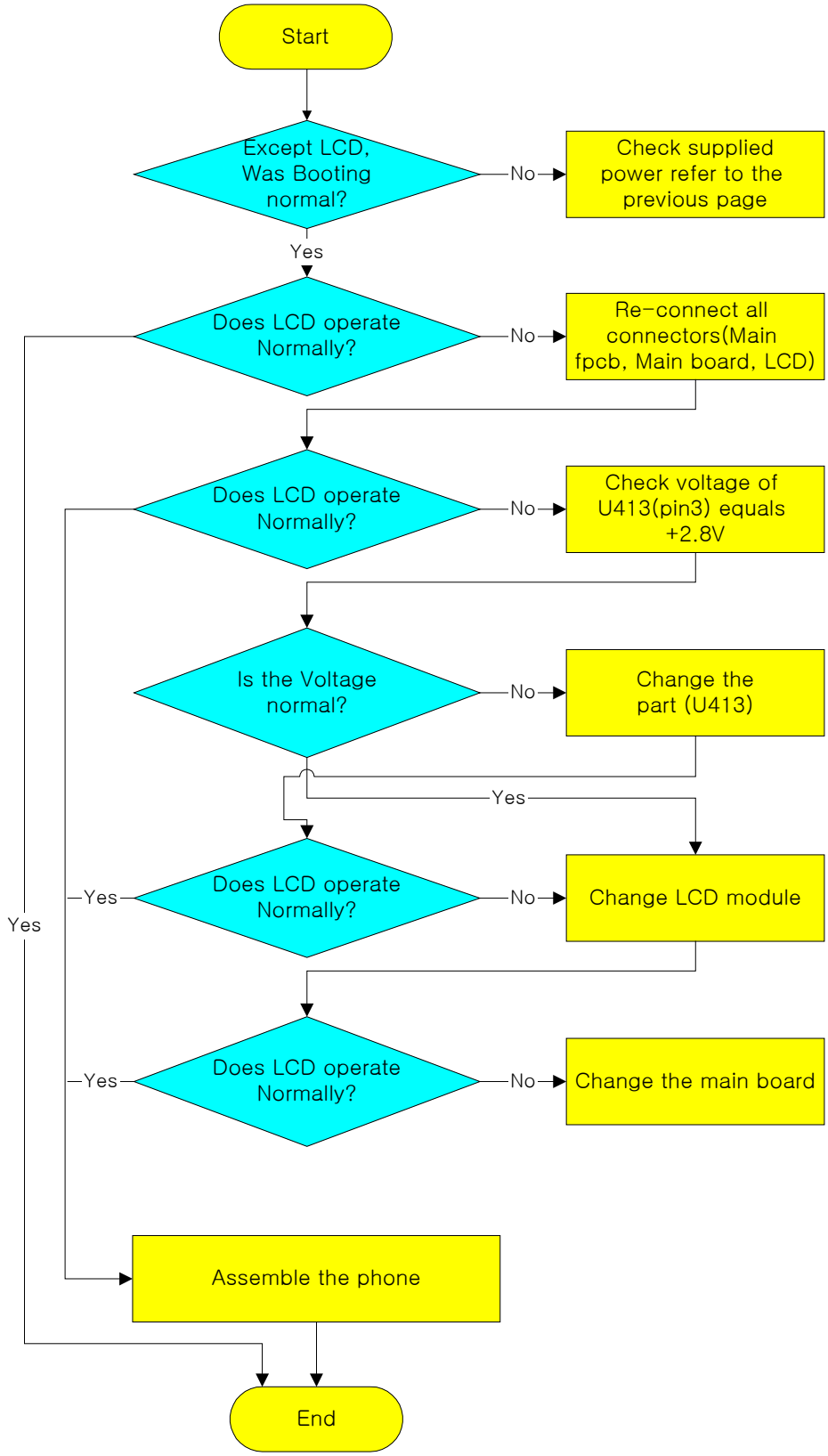




Circuit Diagram

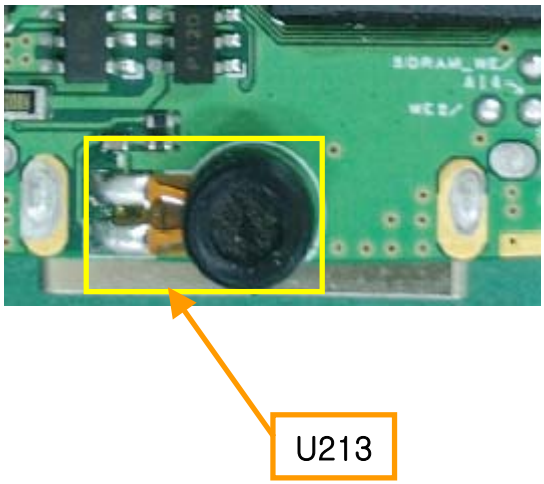


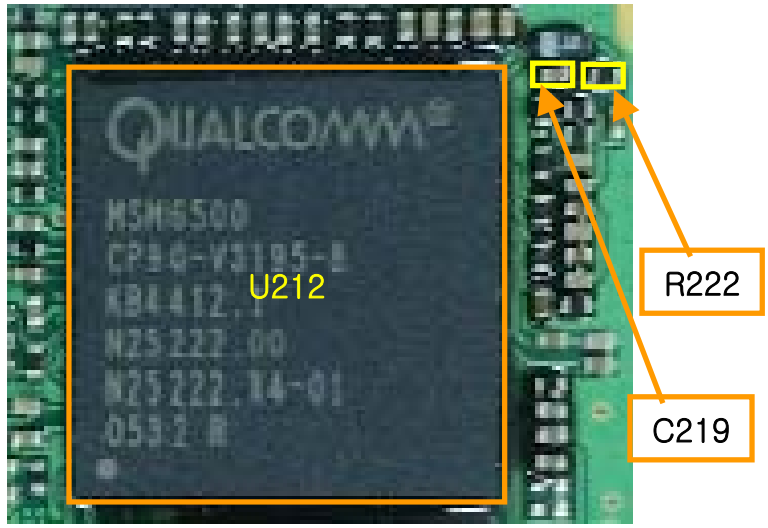
Checking Flow



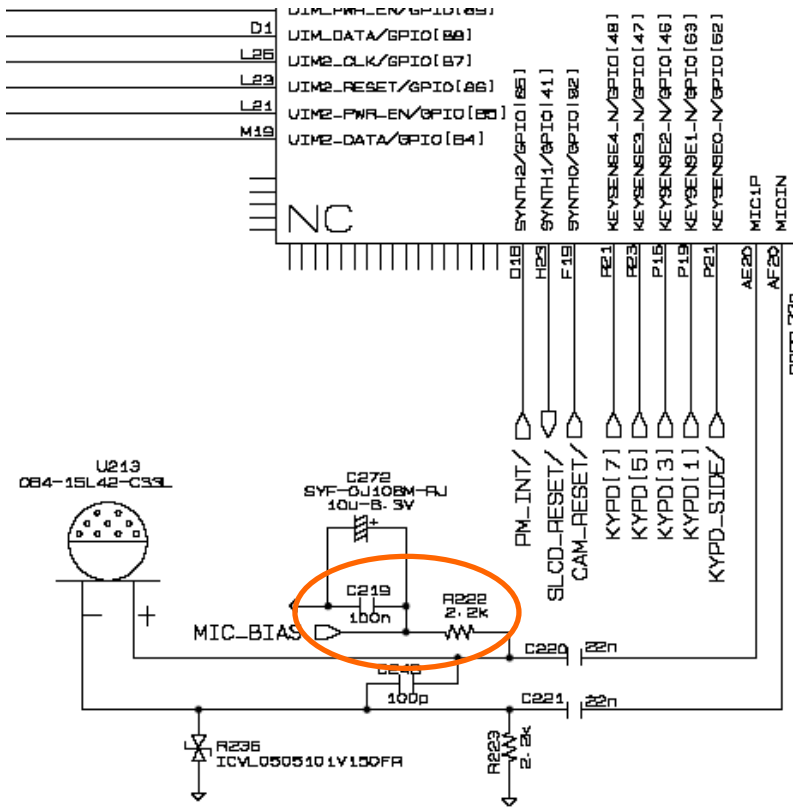
3.1.3 When Tx Audio (MIC) isn't transmitted.

Test Point

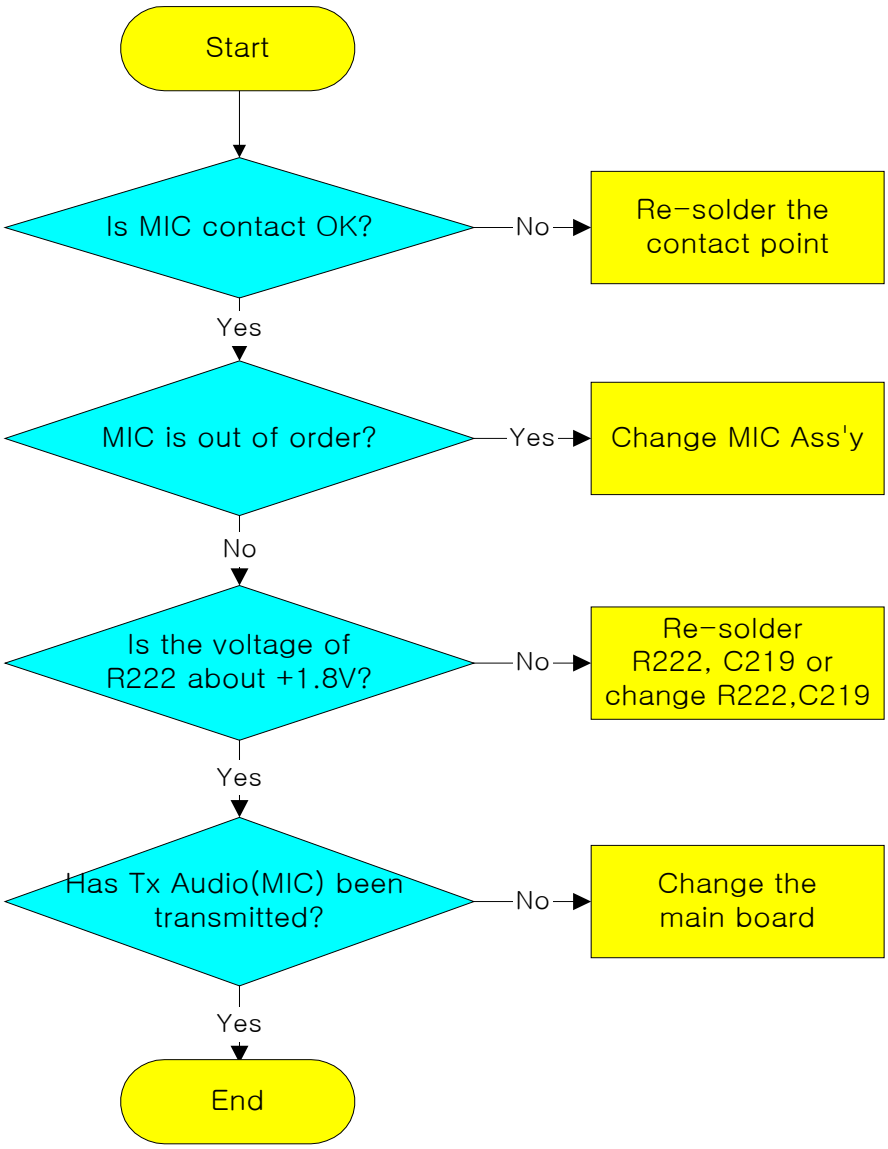




Circuit Diagram

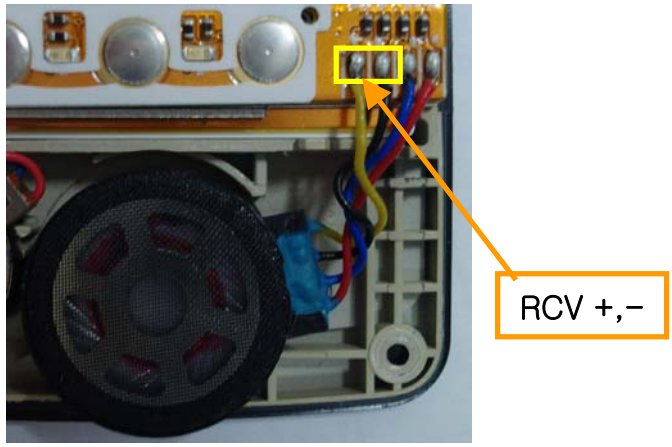


Checking Flow

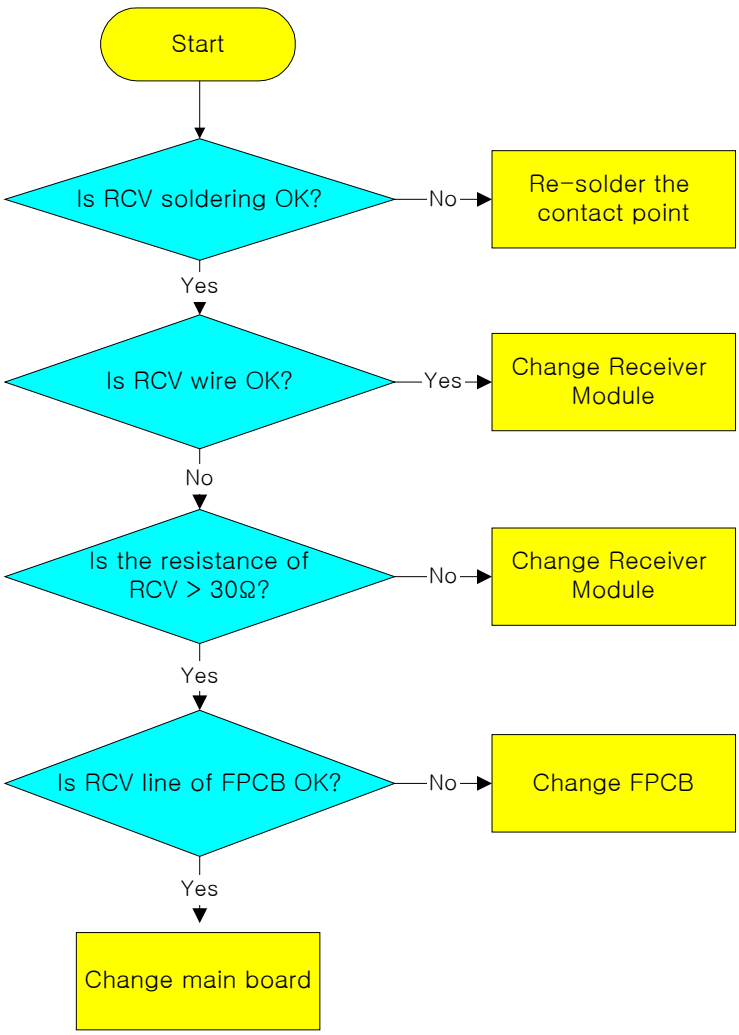


3.1.4 When Rx Audio (Earpiece) isn't heard.

Test Point

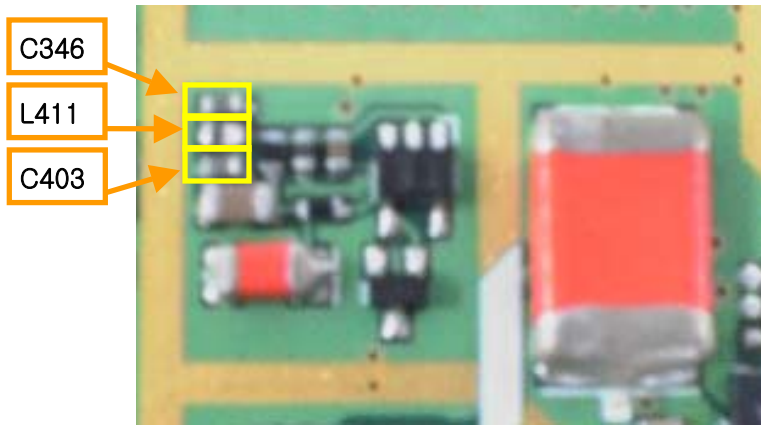


Checking Flow

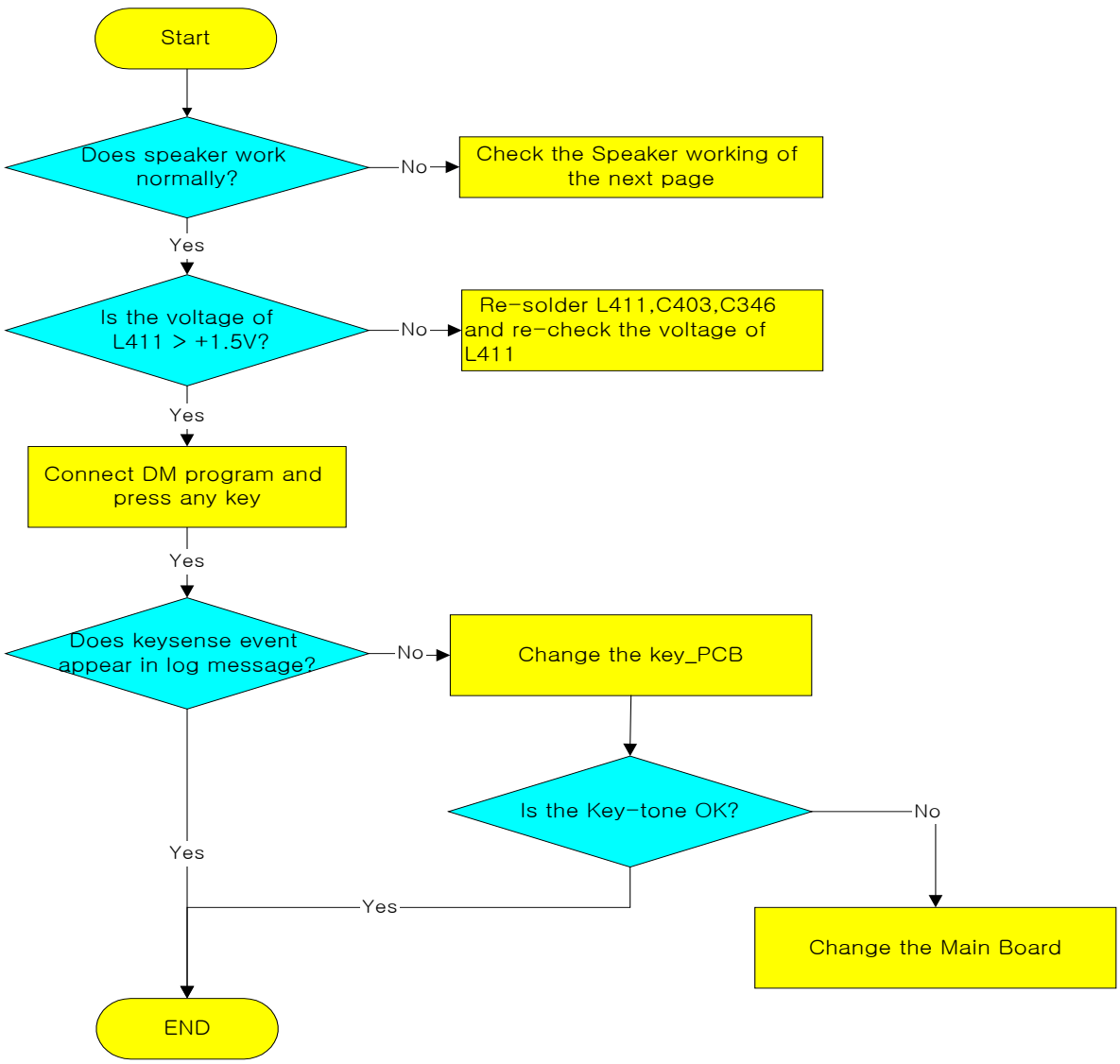


3.1.5 When Keytone isn't heard.

Test Point

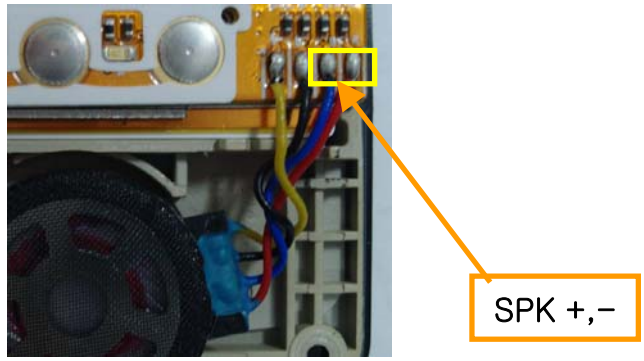


Checking Flow

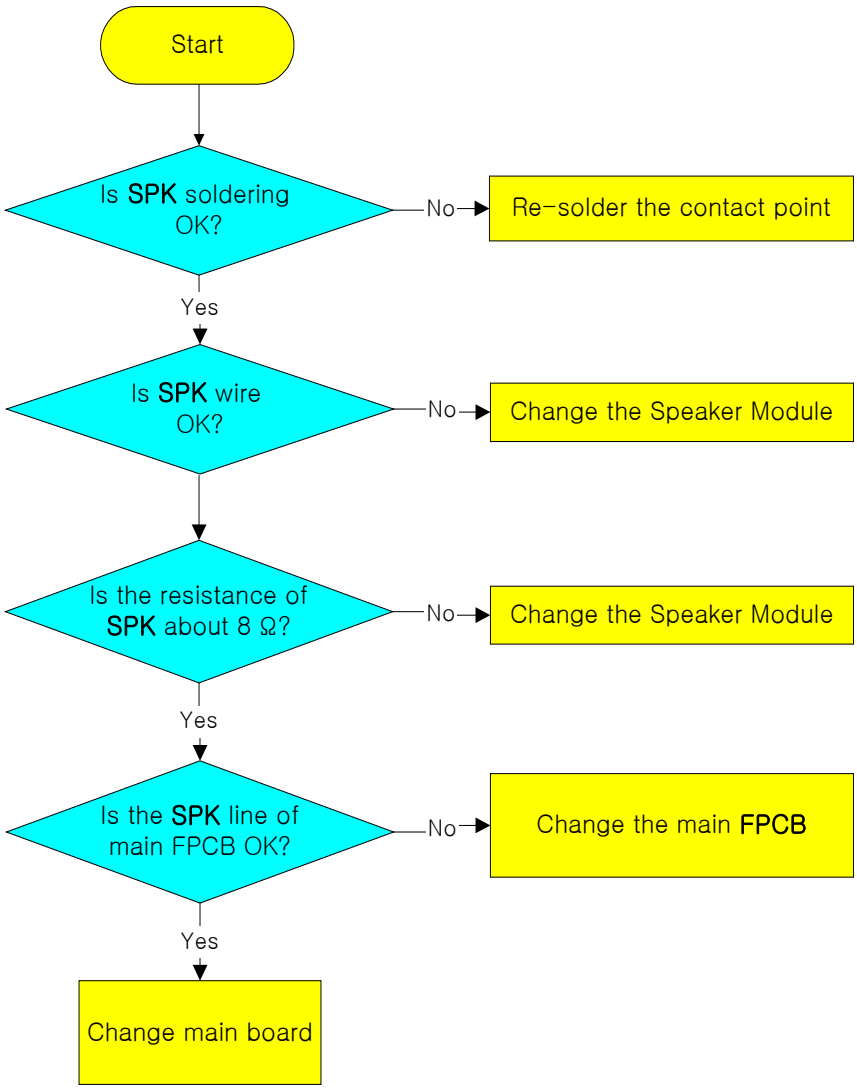


3.1.6 When Sound doesn't ring.

Test Point

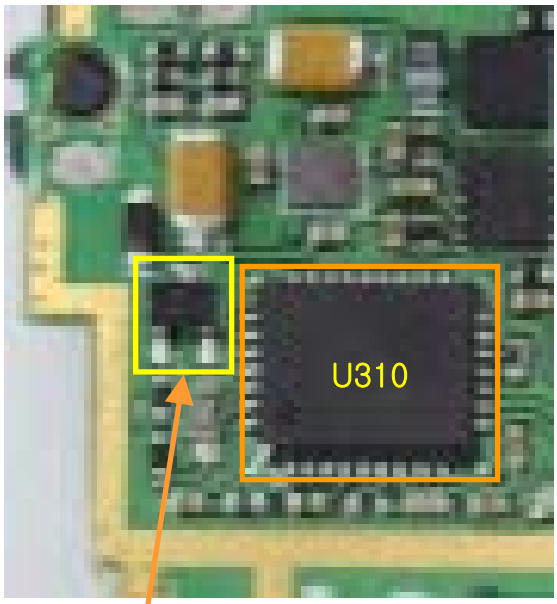


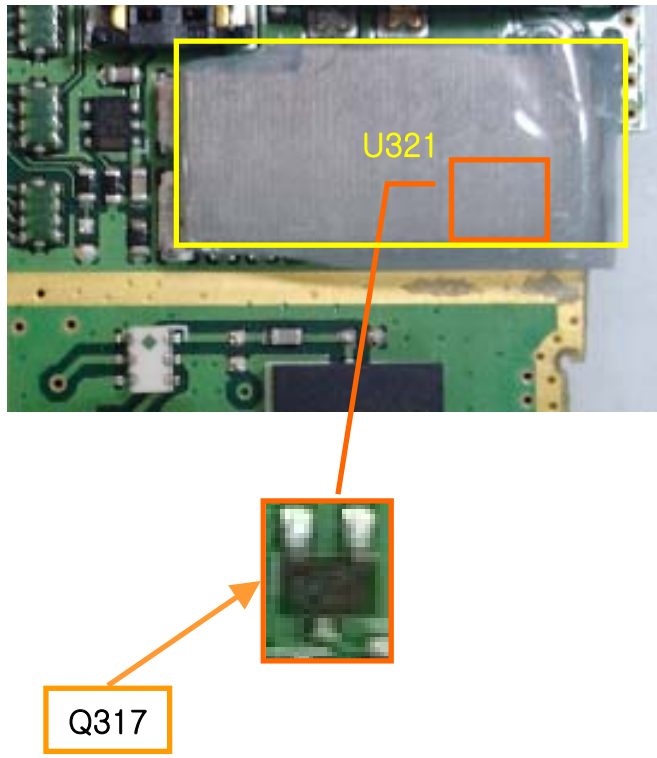
Checking Flow

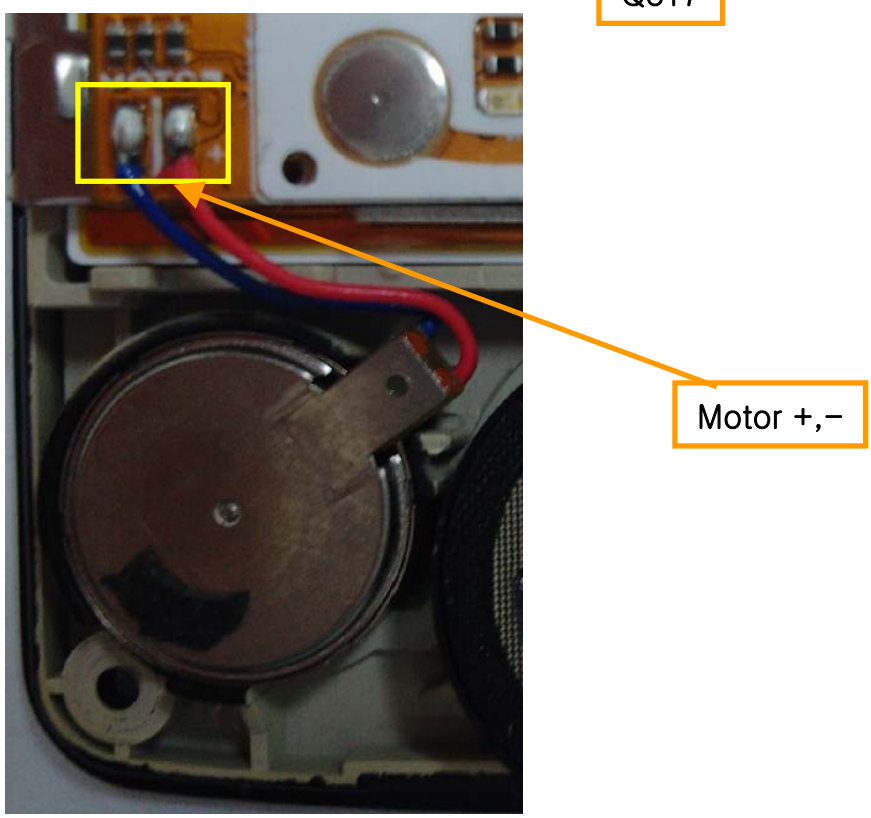


3.1.7 When Vibrator doesn't operate.

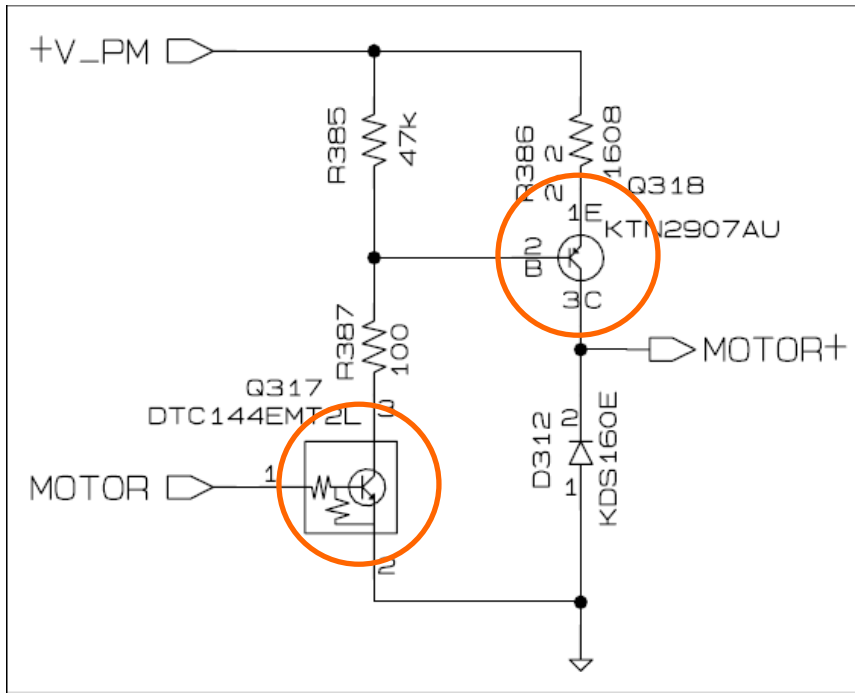
Test Point



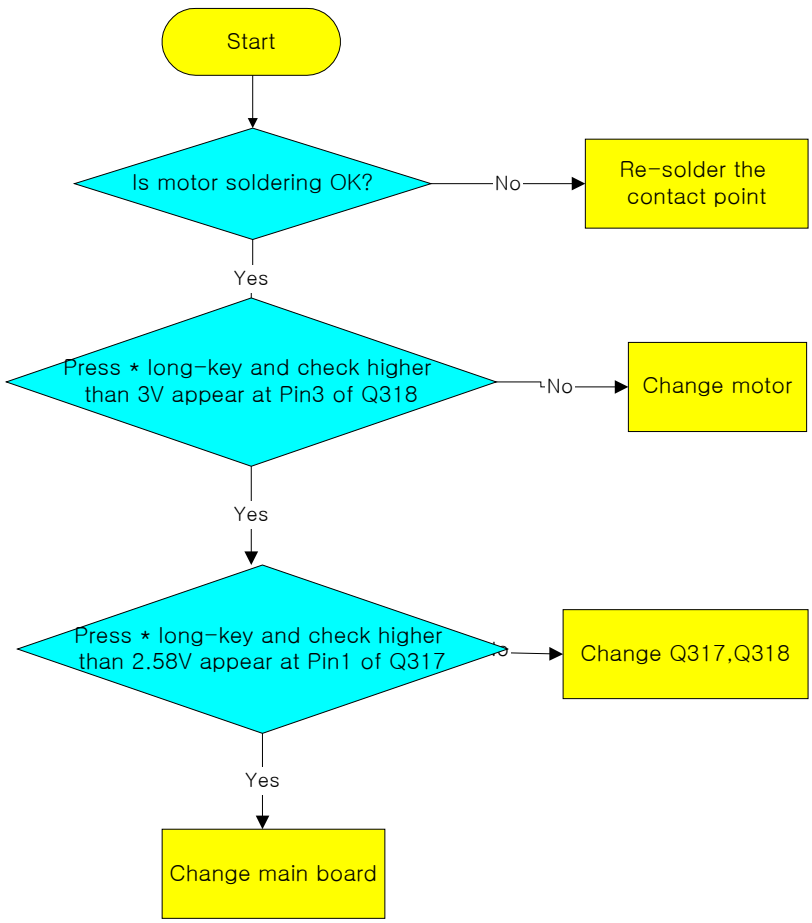




Circuit Diagram

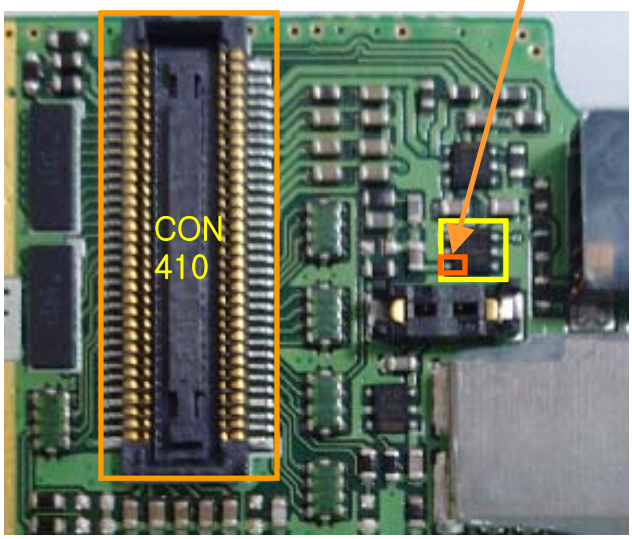


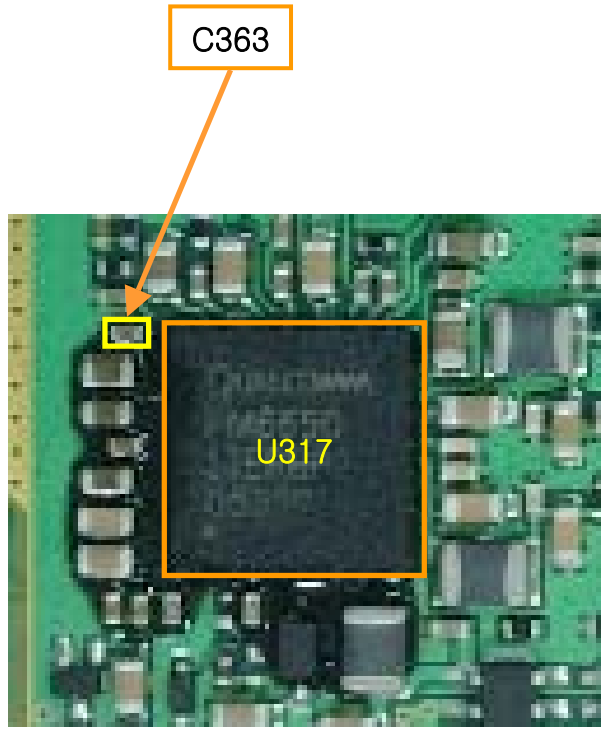
Checking Flow

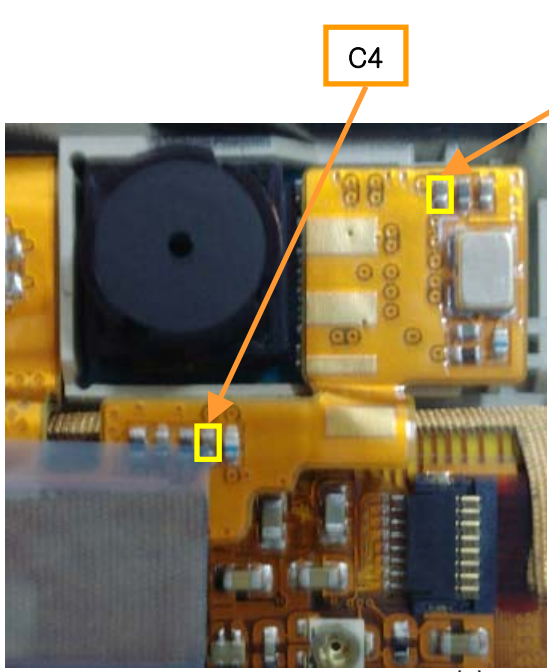


3.1.8 When Camera doesn't work in order.

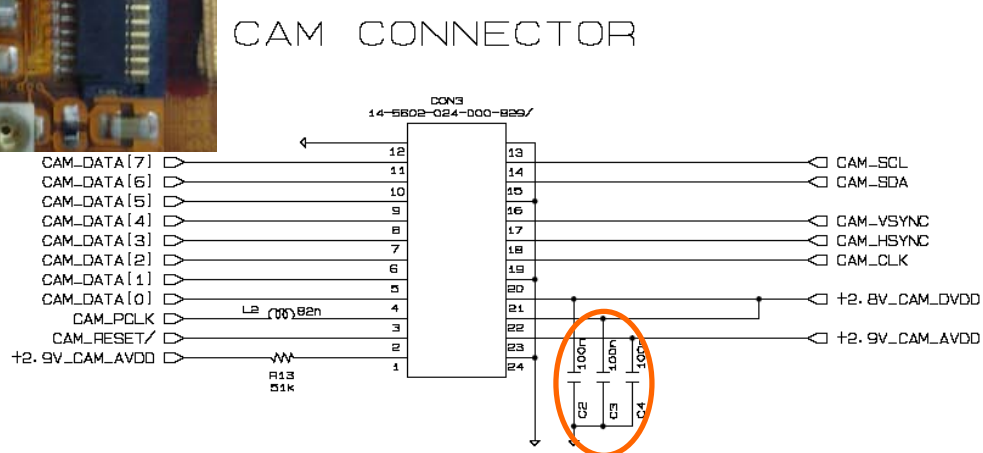
Test Point



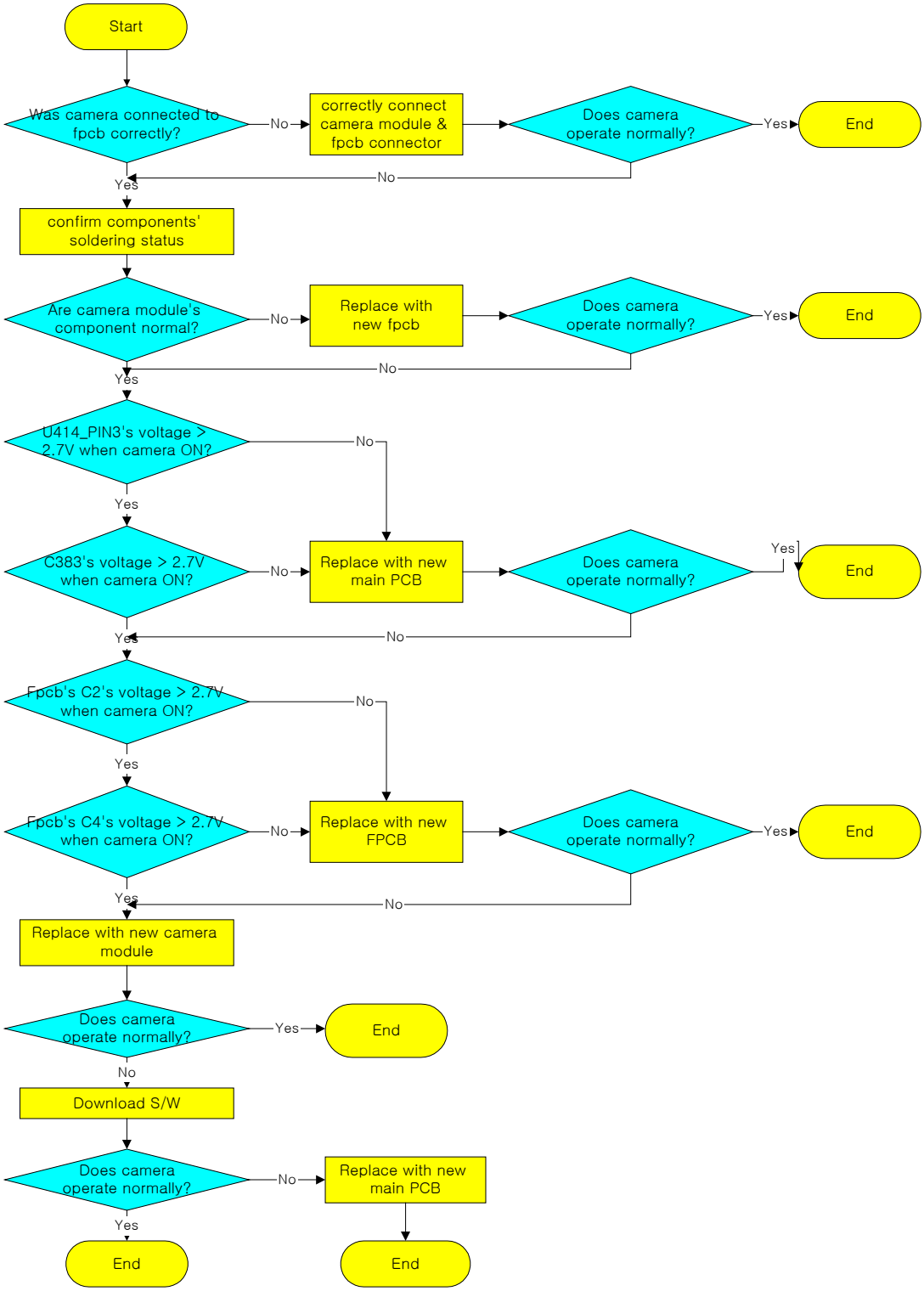




Circuit Diagram



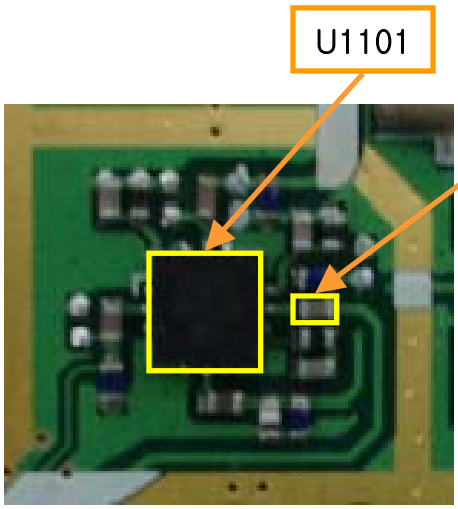
Checking Flow

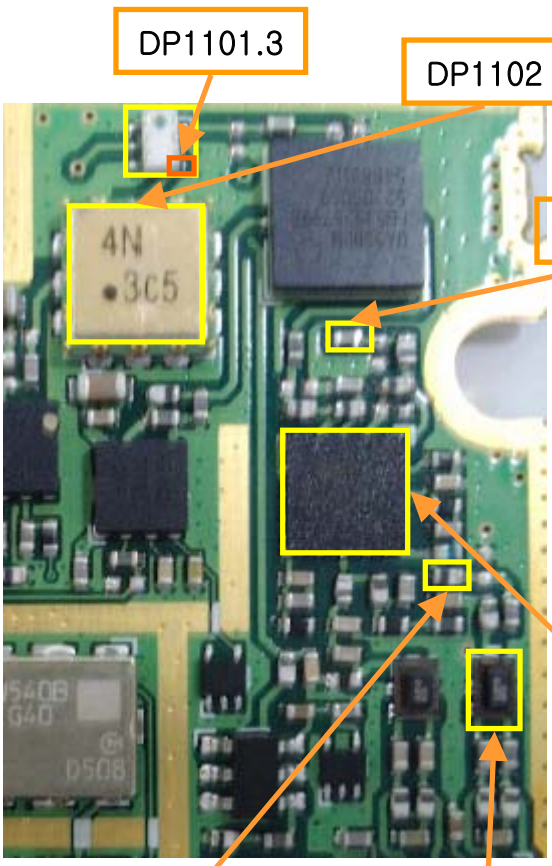


3.2 RF Part Trouble

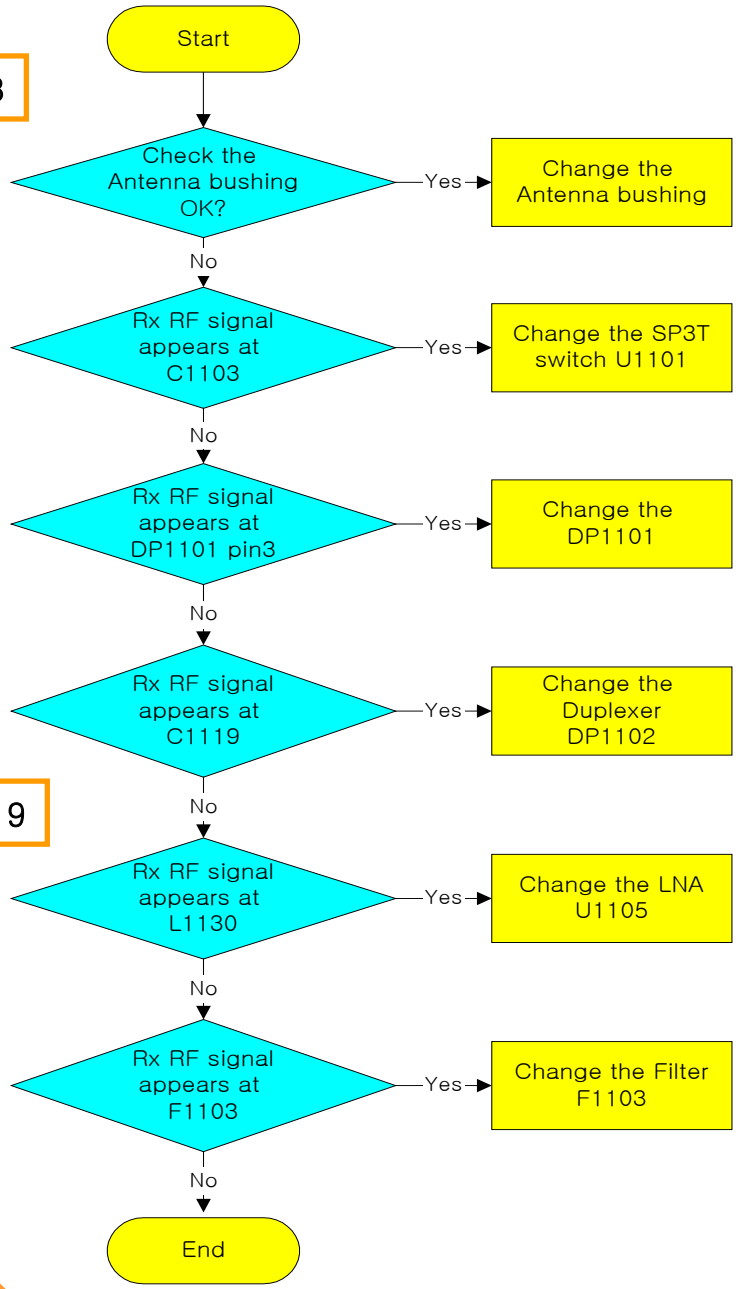
3.2.1 When Cellular Rx sensitivity isn't normal.

Test Point

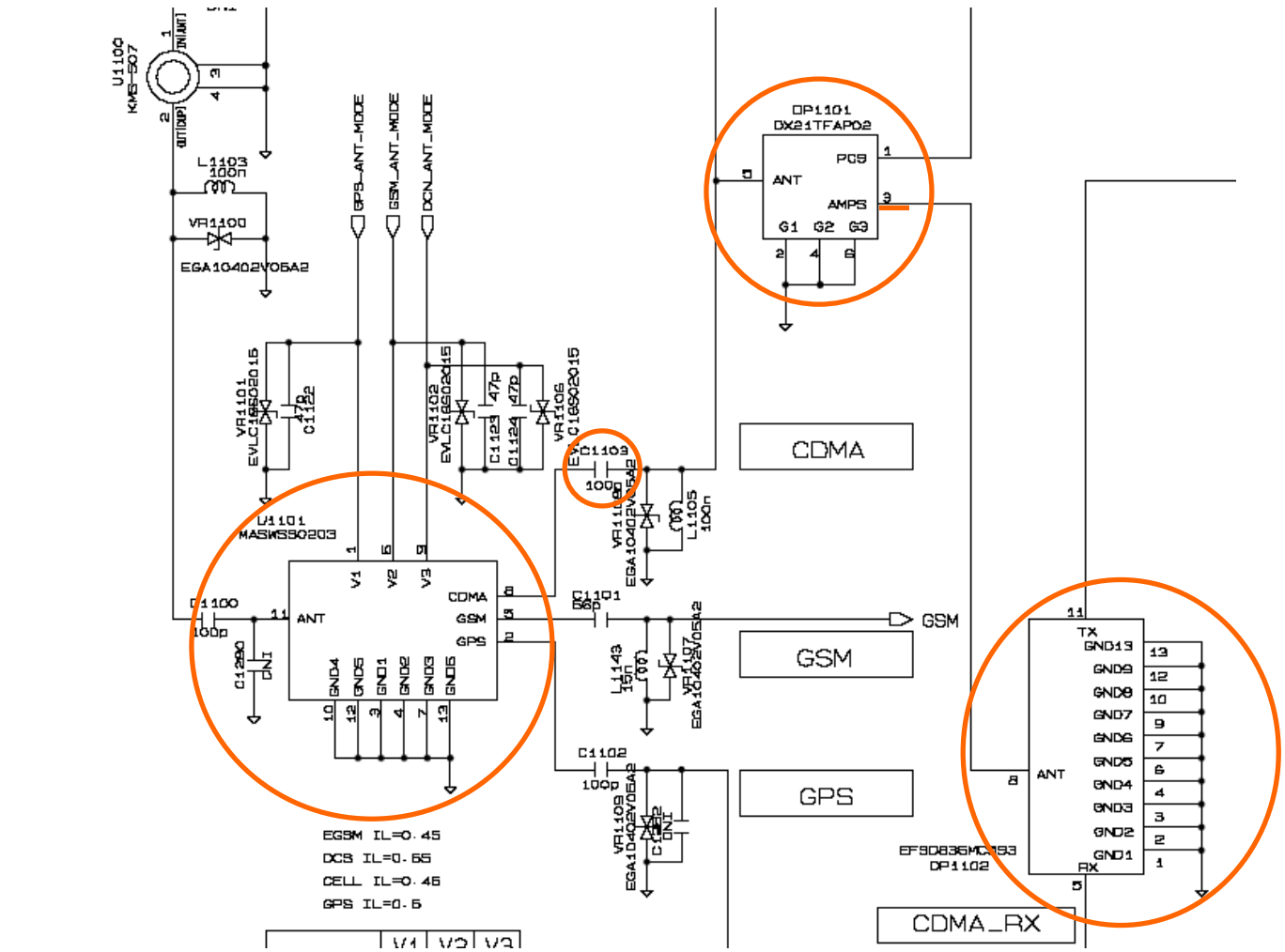


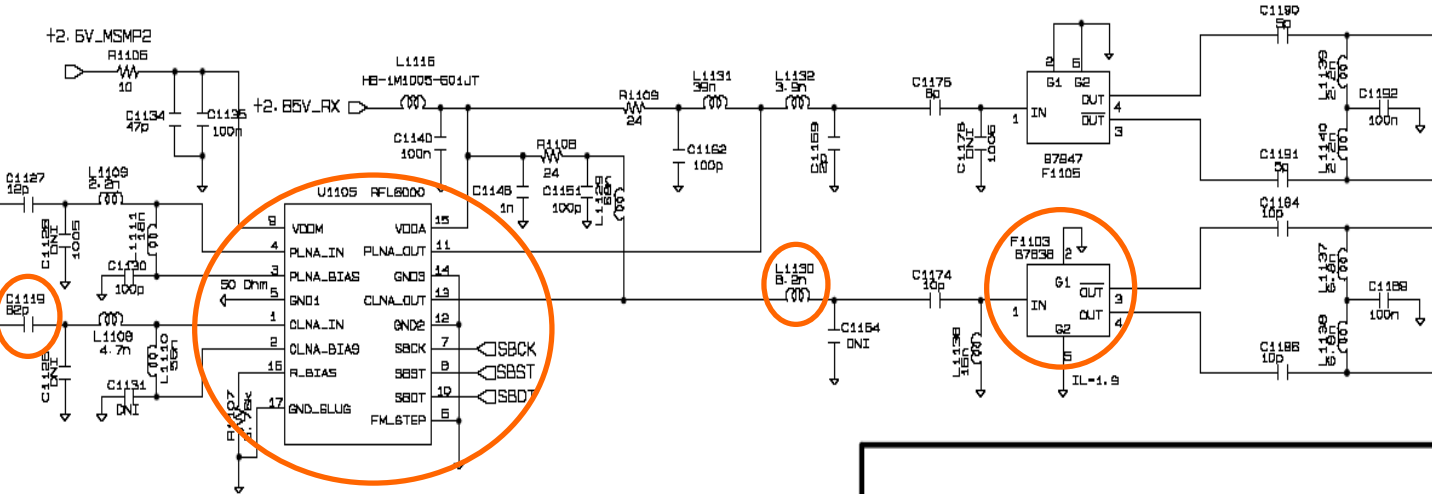


Checking Flow



Circuit Diagram

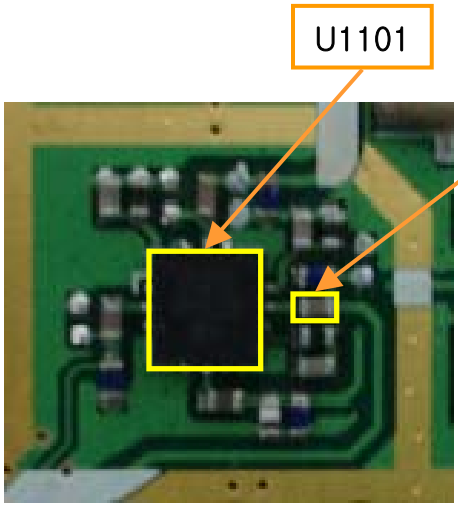


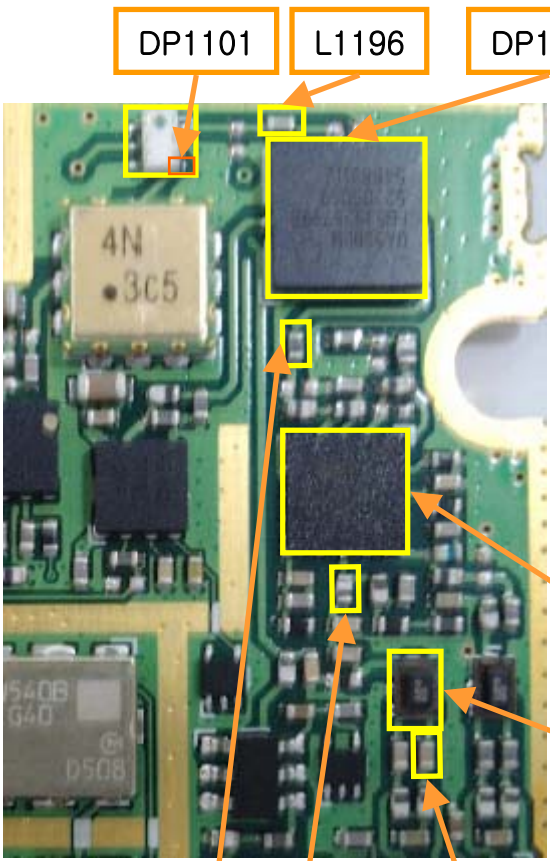


CDMA RX PATH

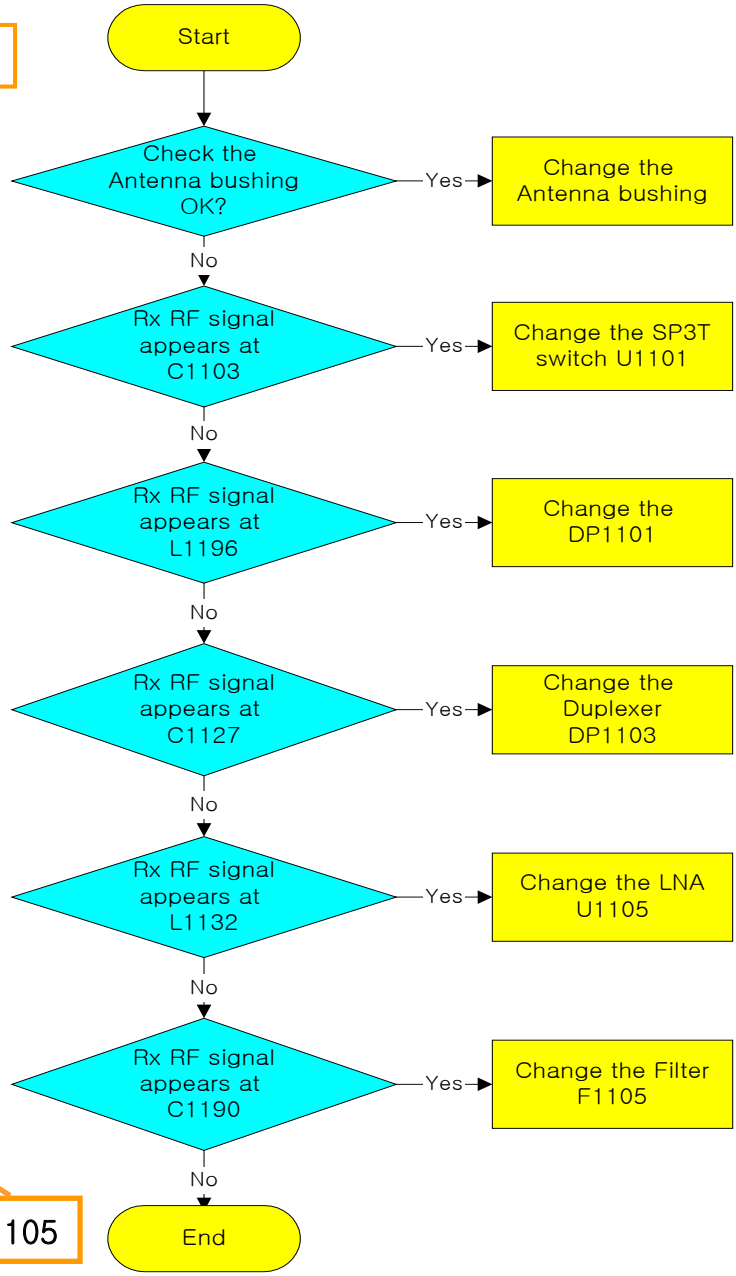
3.2.2 When US-PCS Rx sensitivity isn't normal.

Test Point

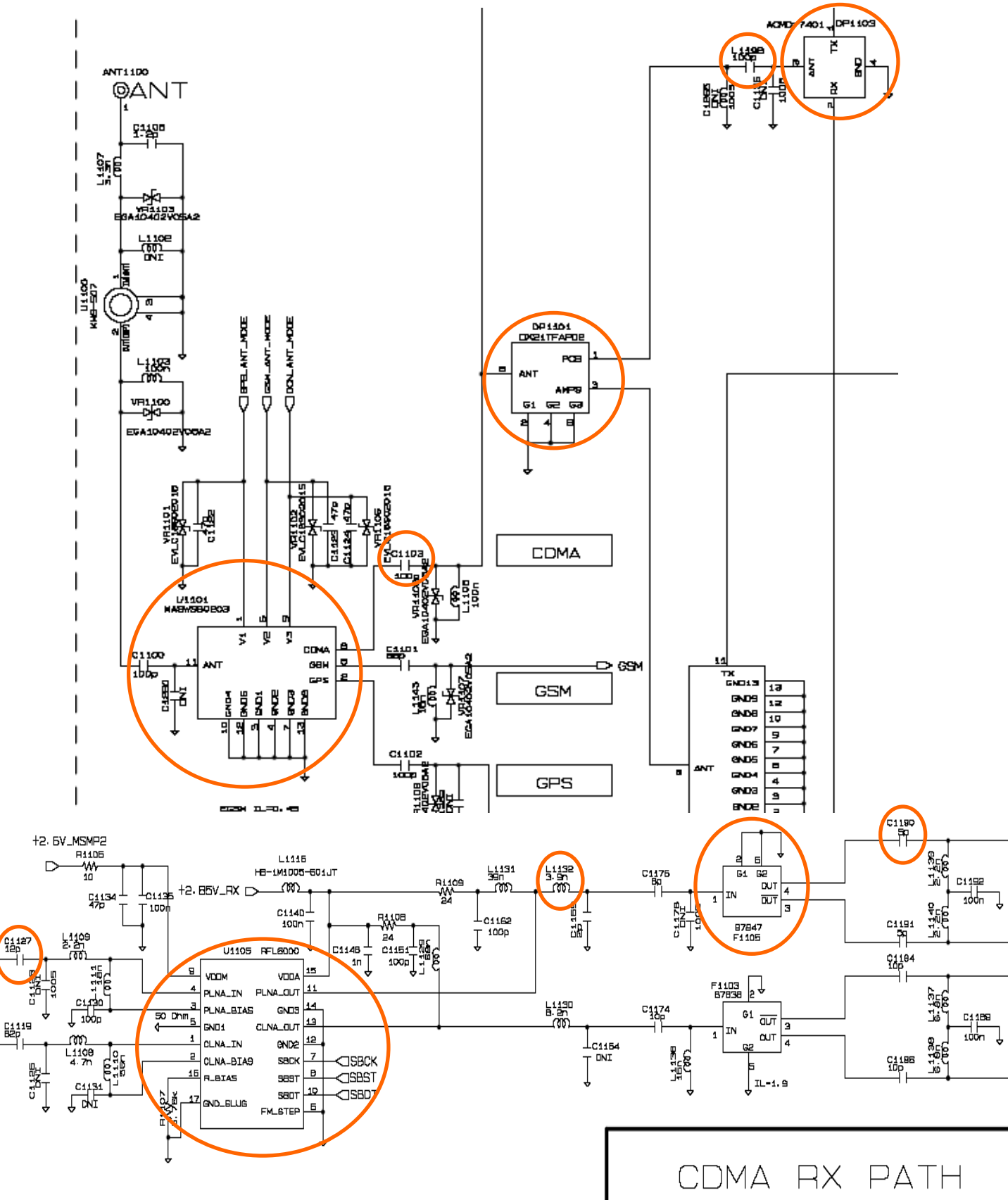




Checking Flow

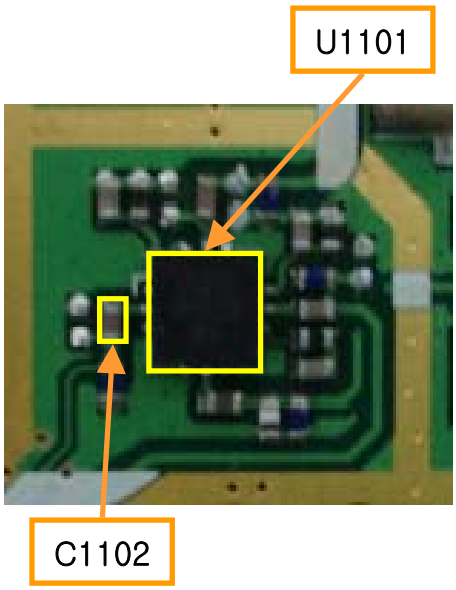


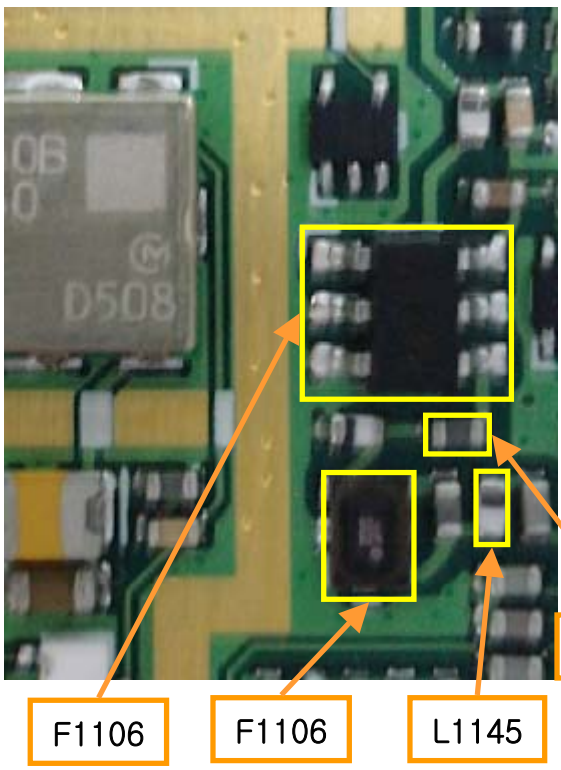
Circuit Diagram



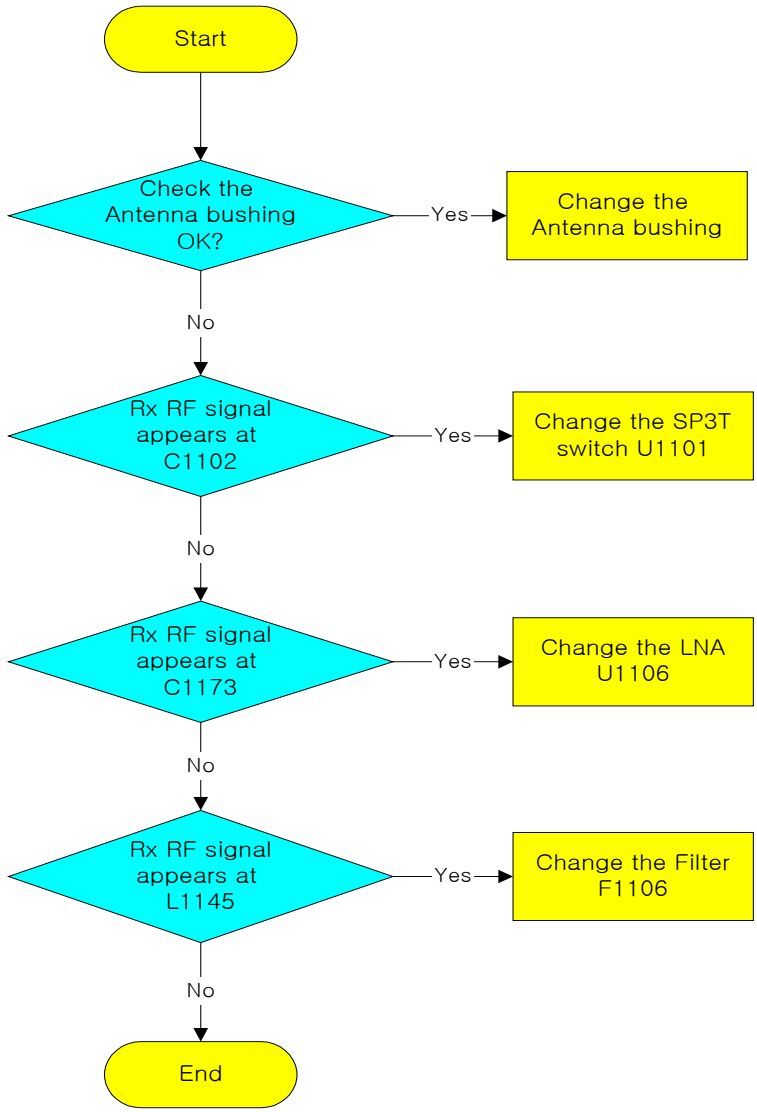
3.2.3 When GPS Rx sensitivity isn't normal.

Test Point

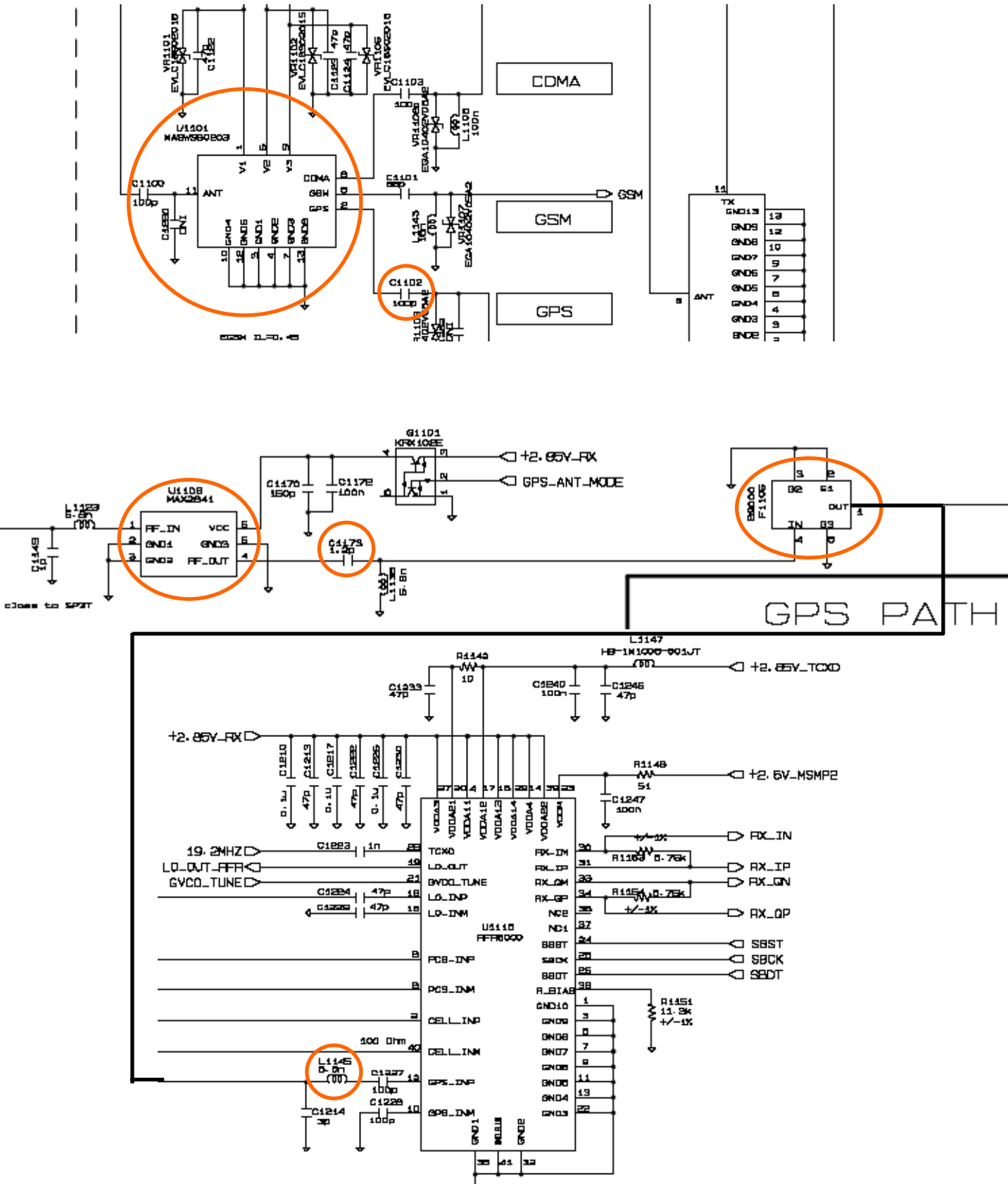




Checking Flow

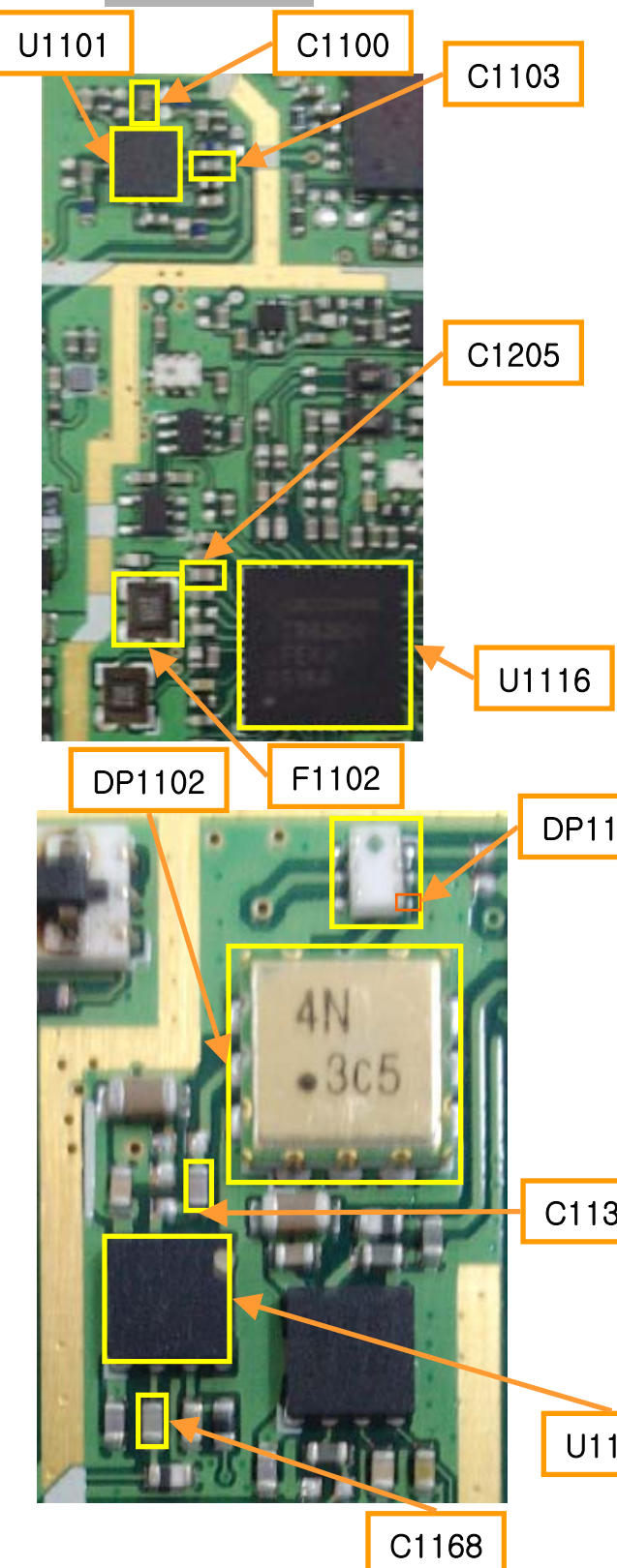


Circuit Diagram

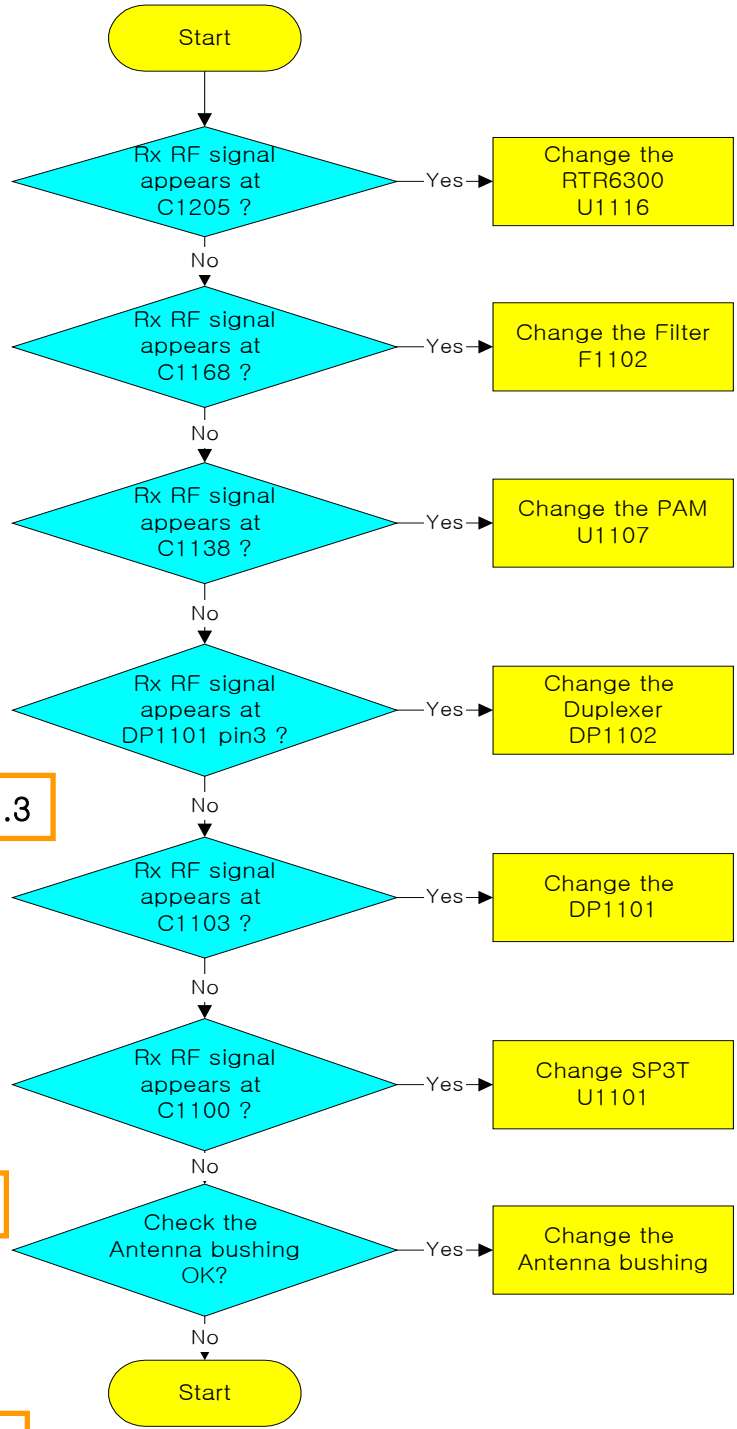


3.2.4 When Cellular TX power isn't normal.

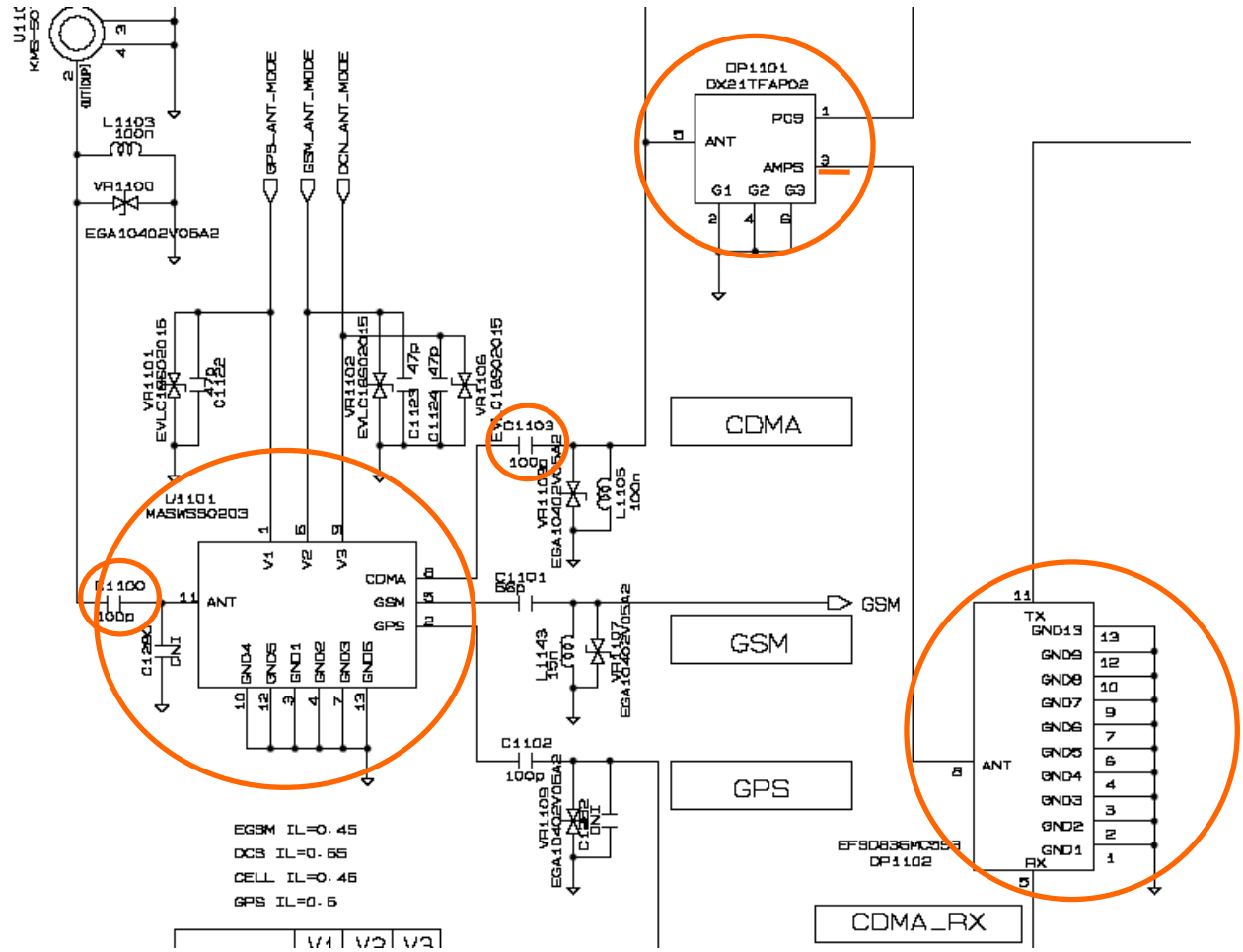
Test Point

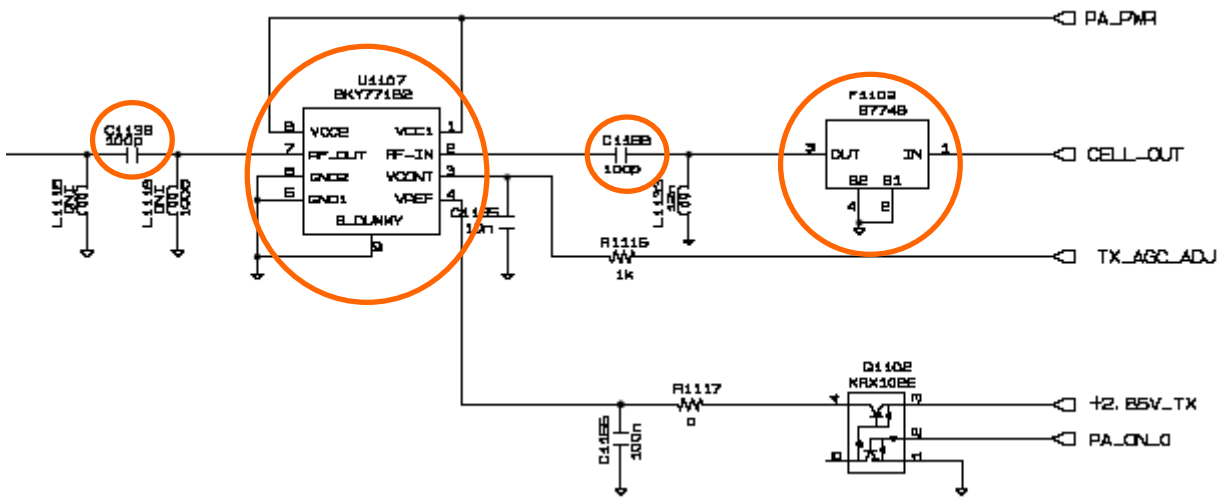


Checking Flow

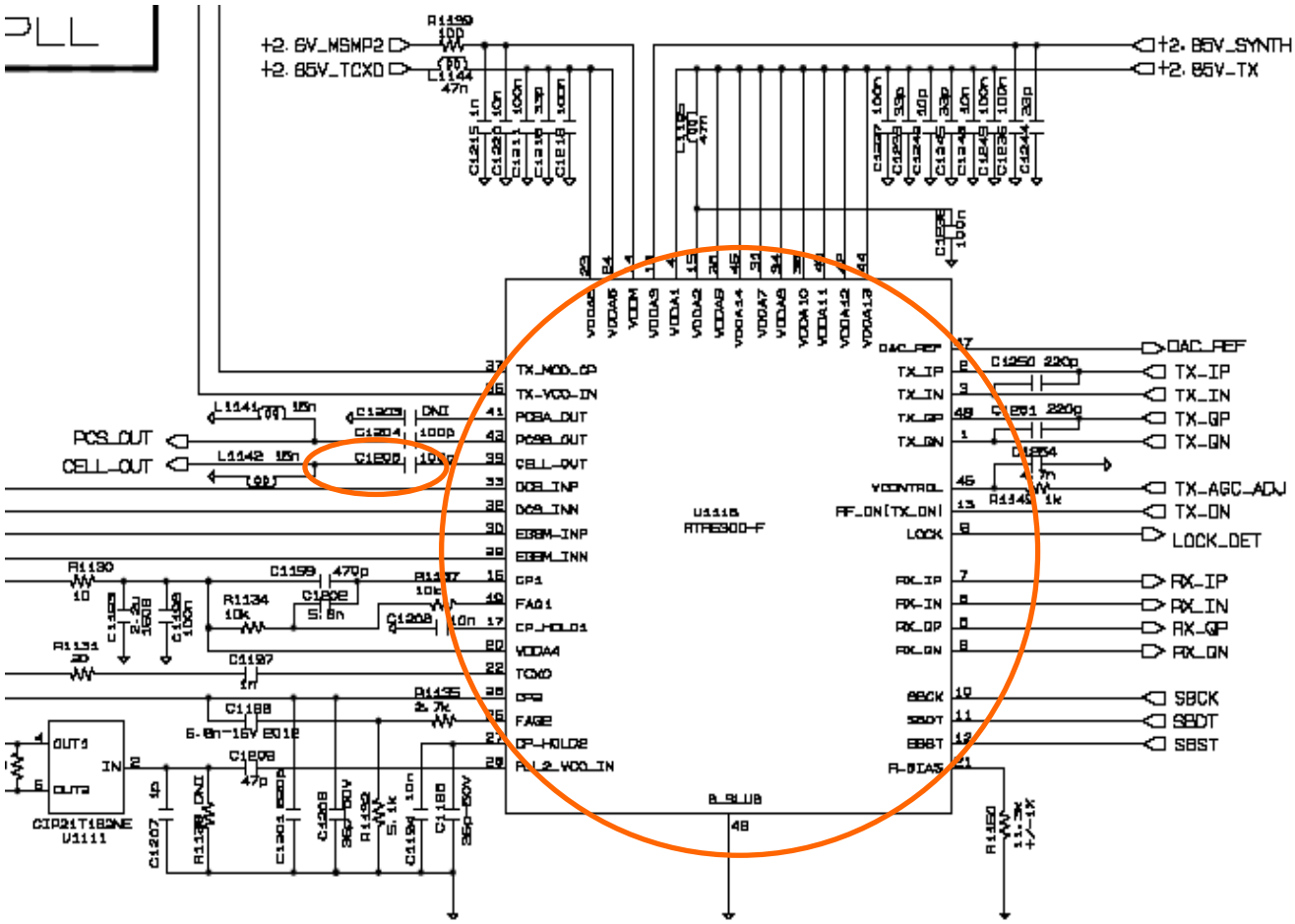


Circuit Diagram



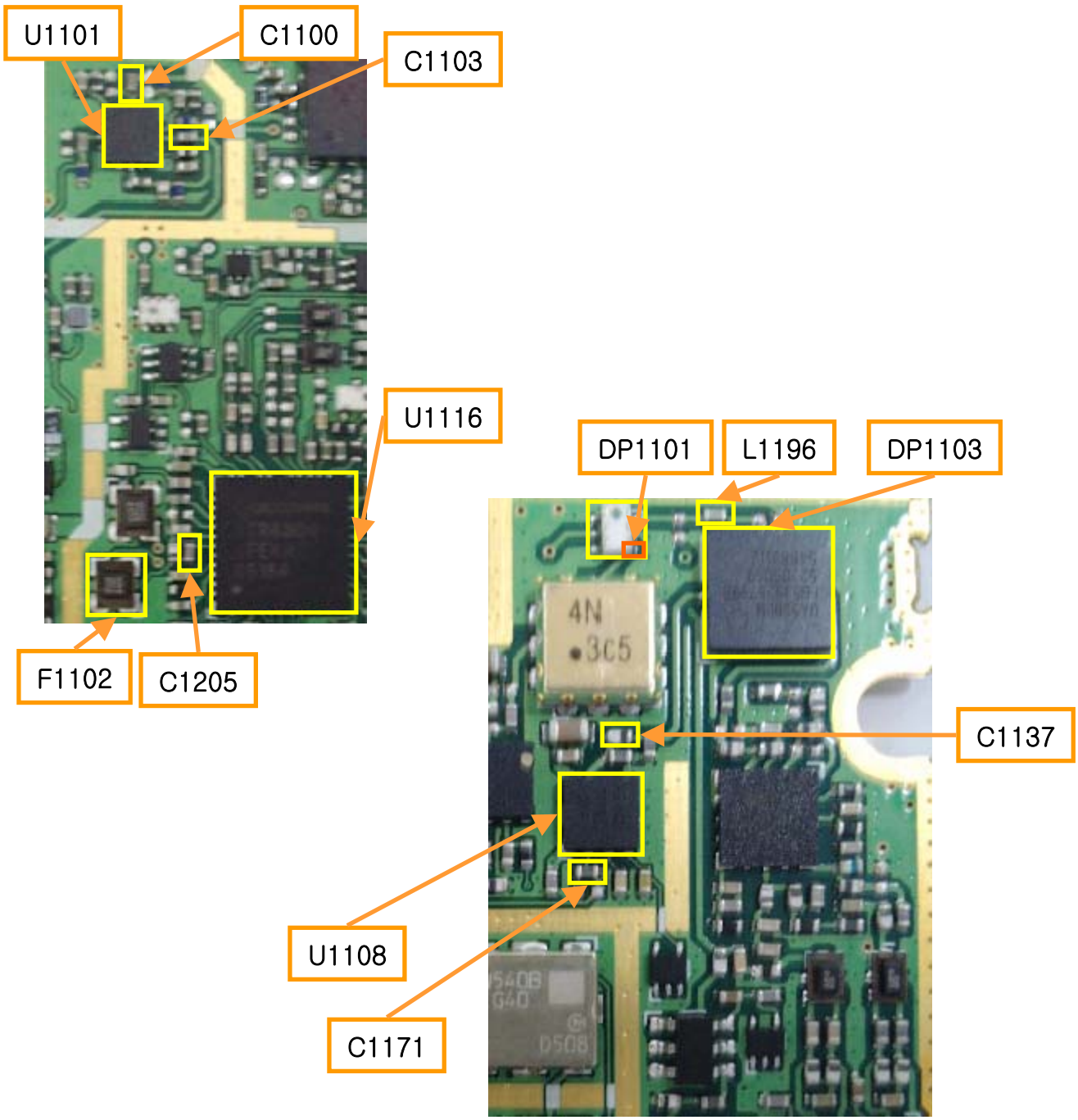


Circuit Diagram

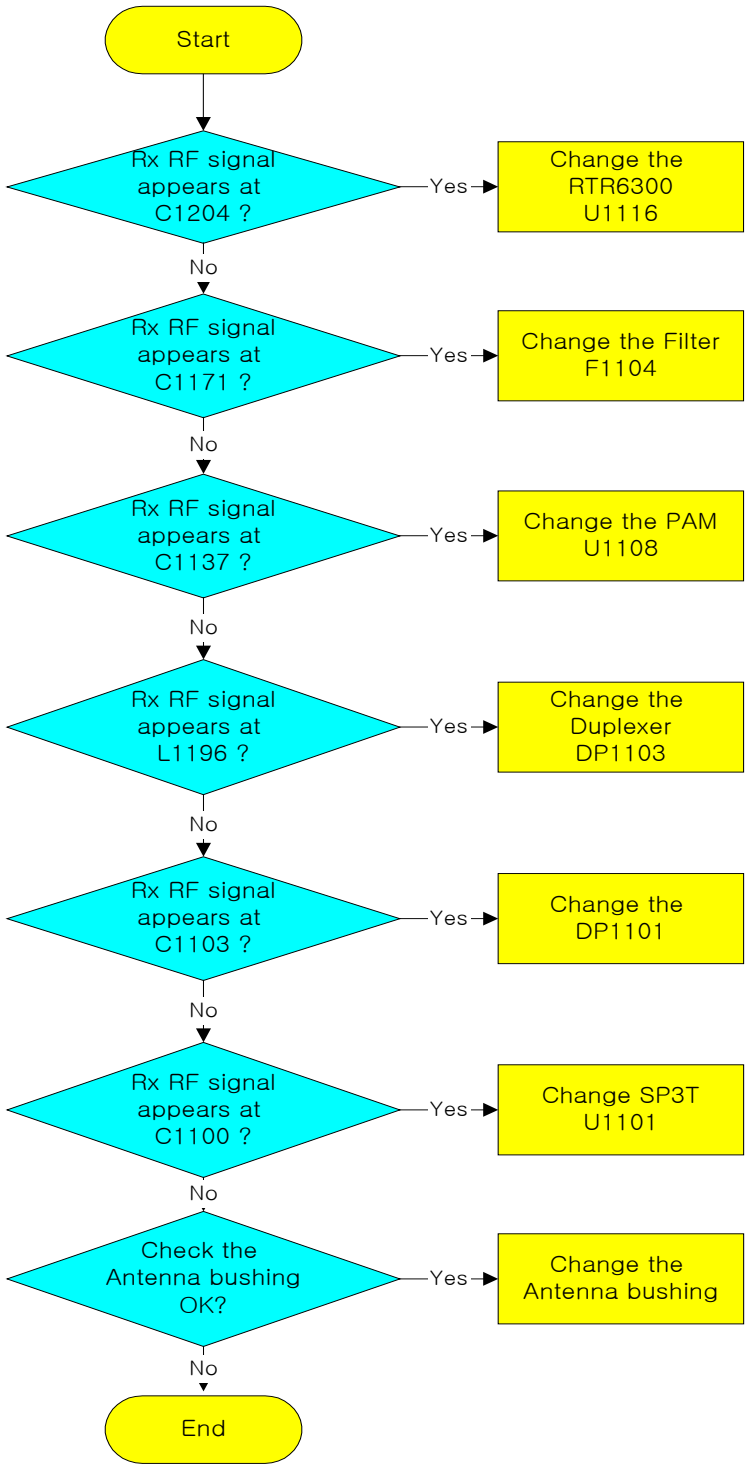


3.2.5 When US-PCS Tx power isn't normal.

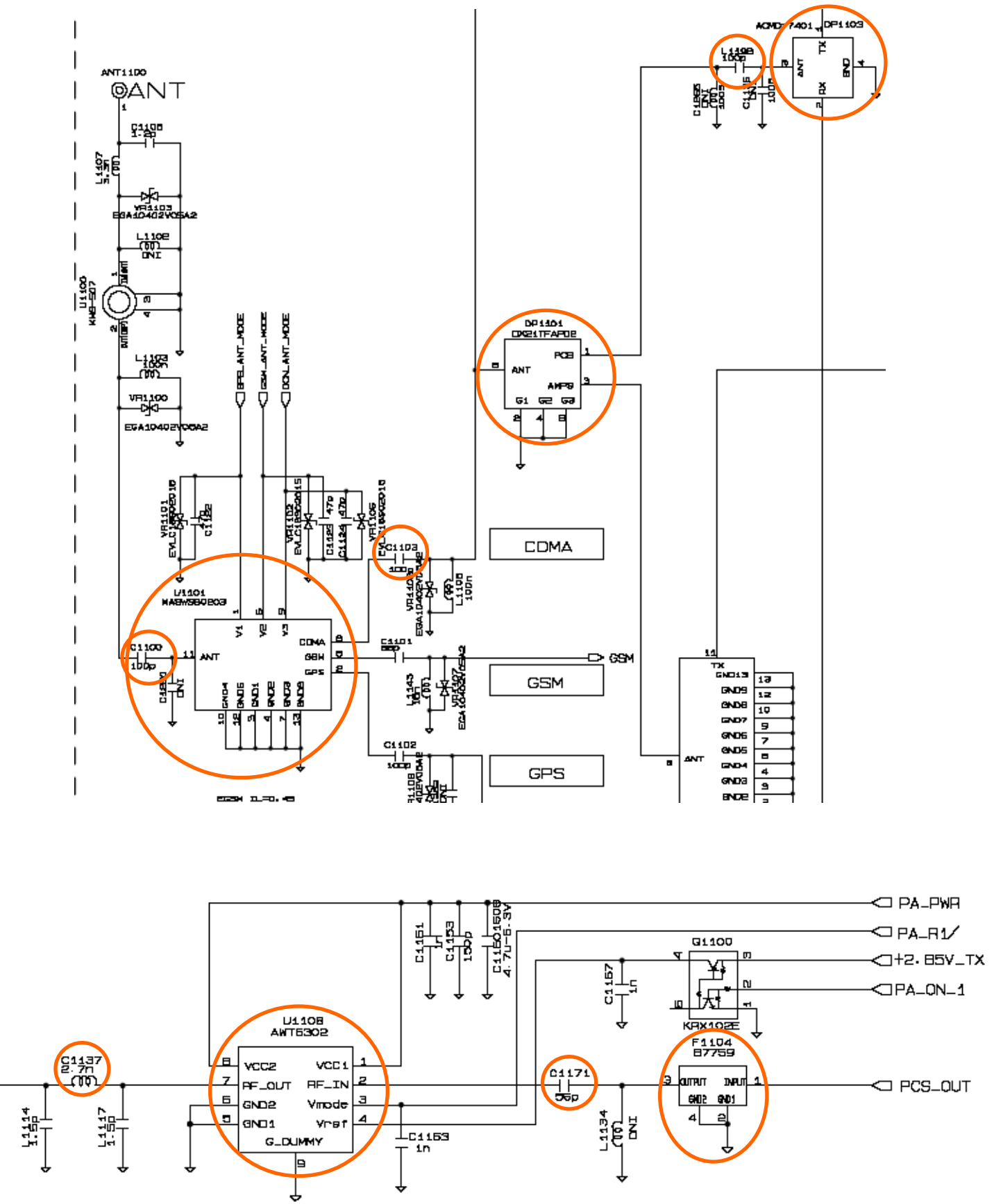
Test Point



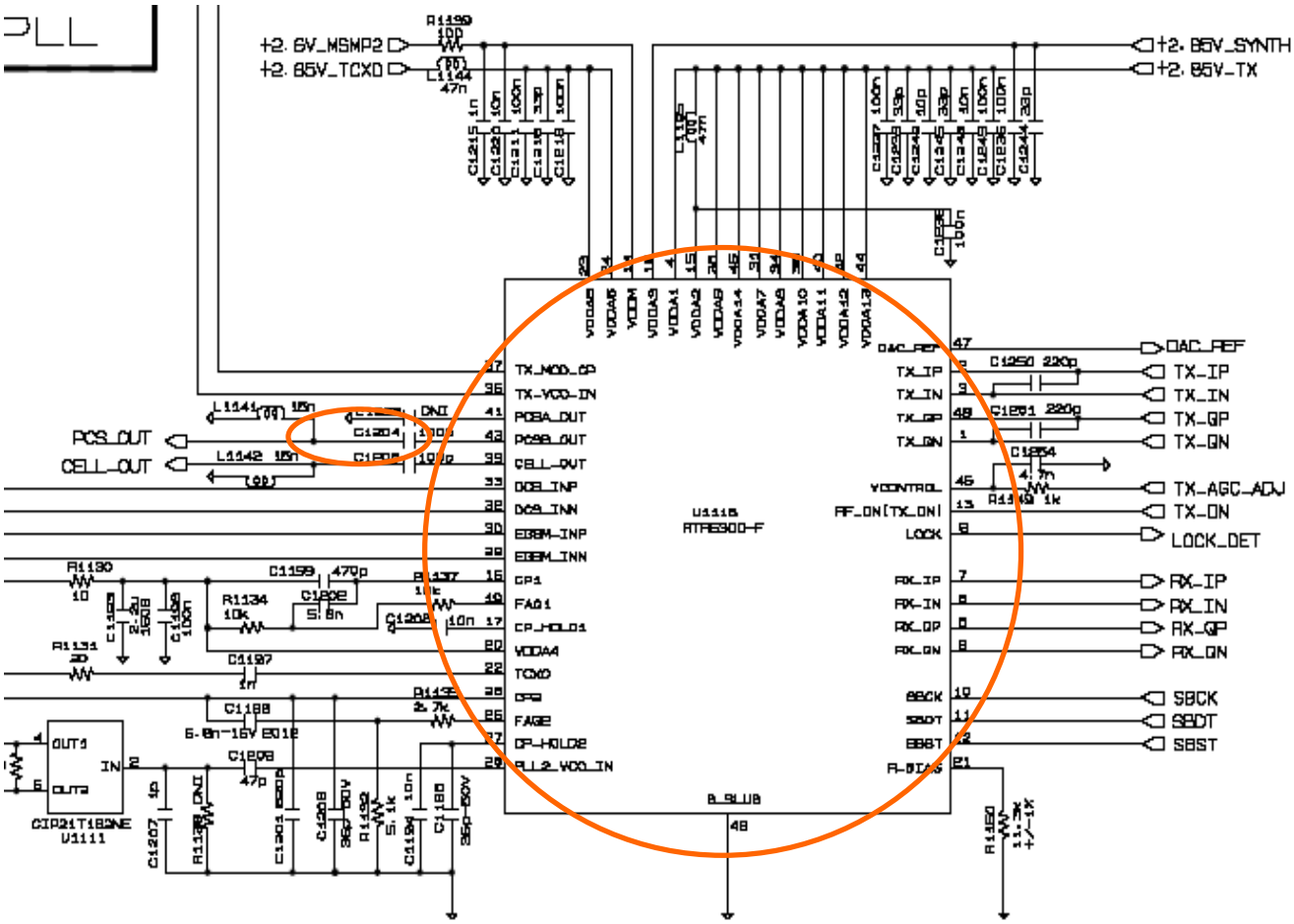
Checking Flow



Circuit Diagram

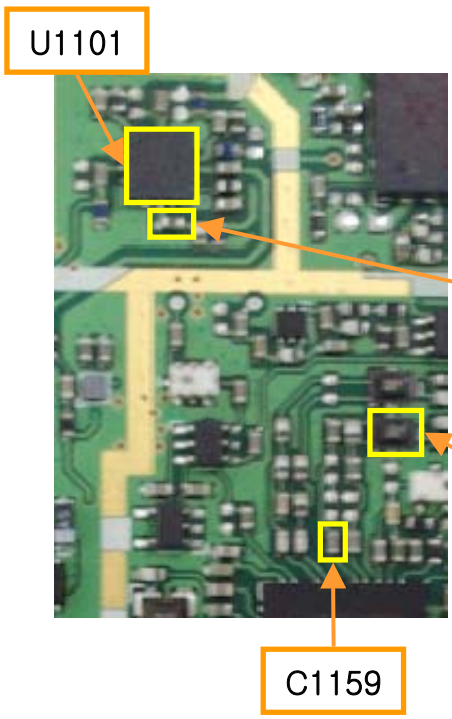


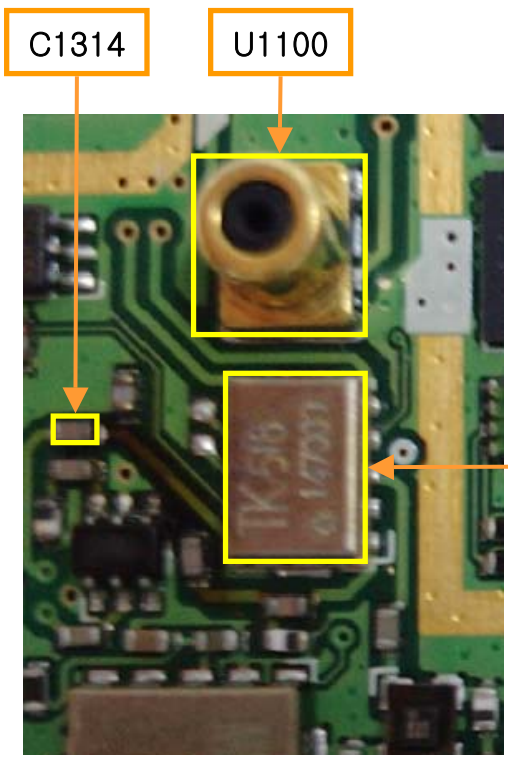
Circuit Diagram



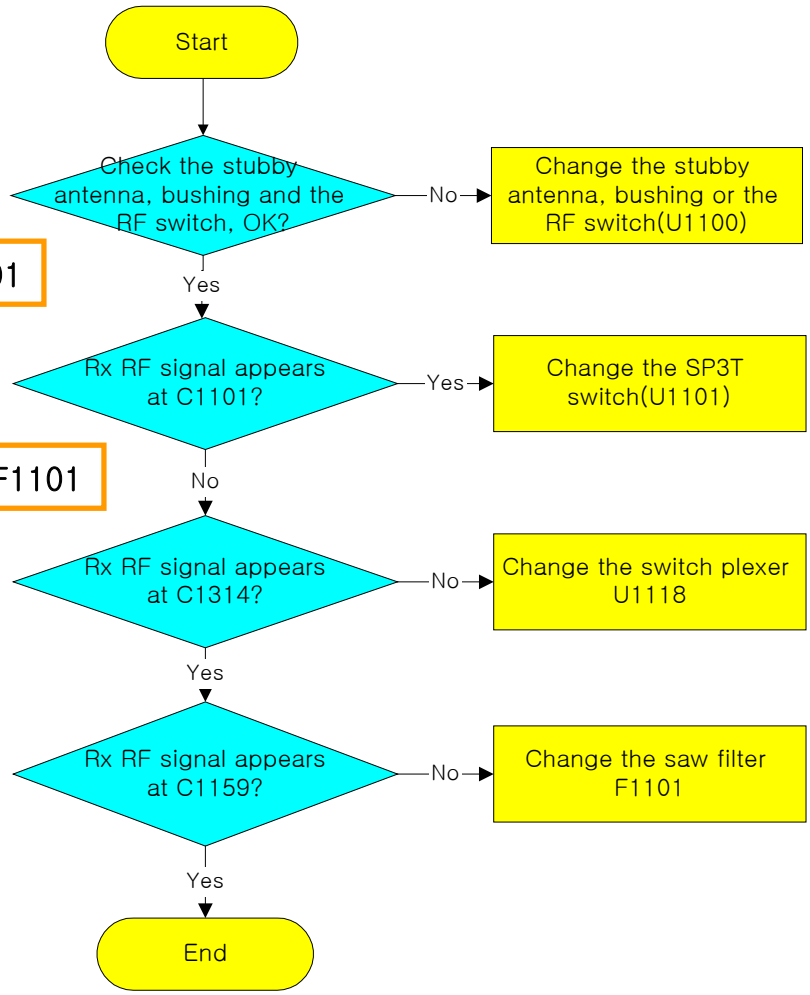
3.2.6 When GSM900 Rx sensitivity isn't normal.

Test Point

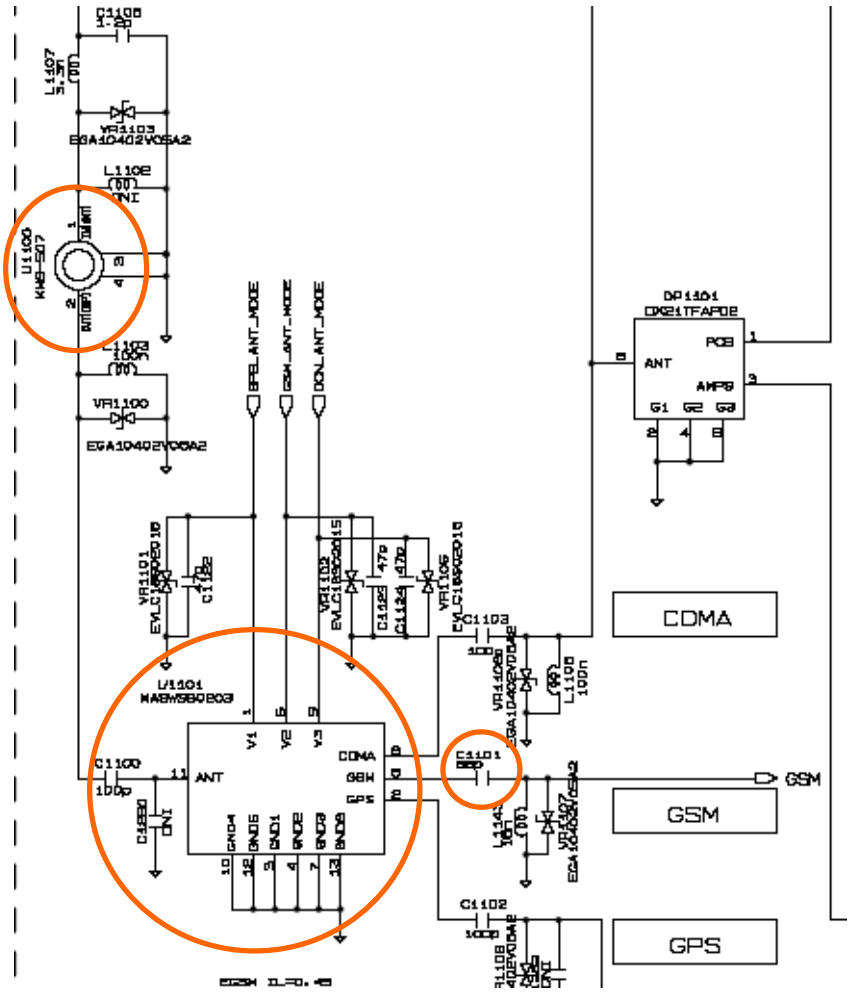




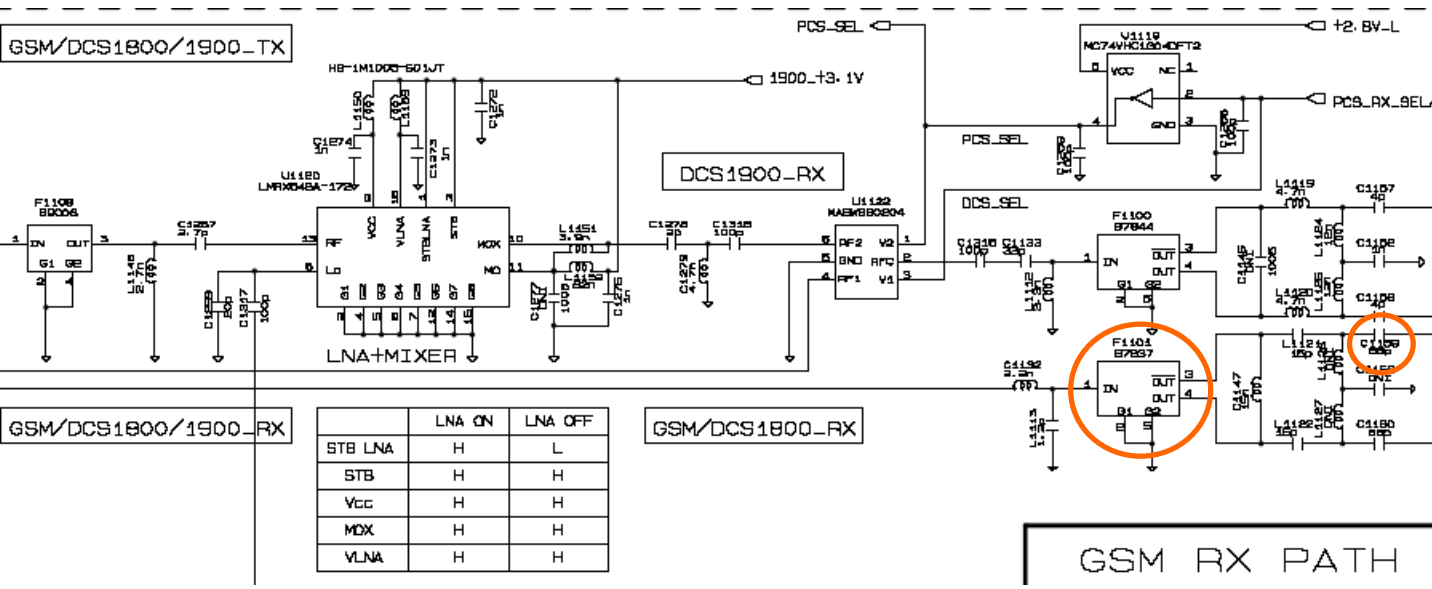
Checking Flow



Circuit Diagram



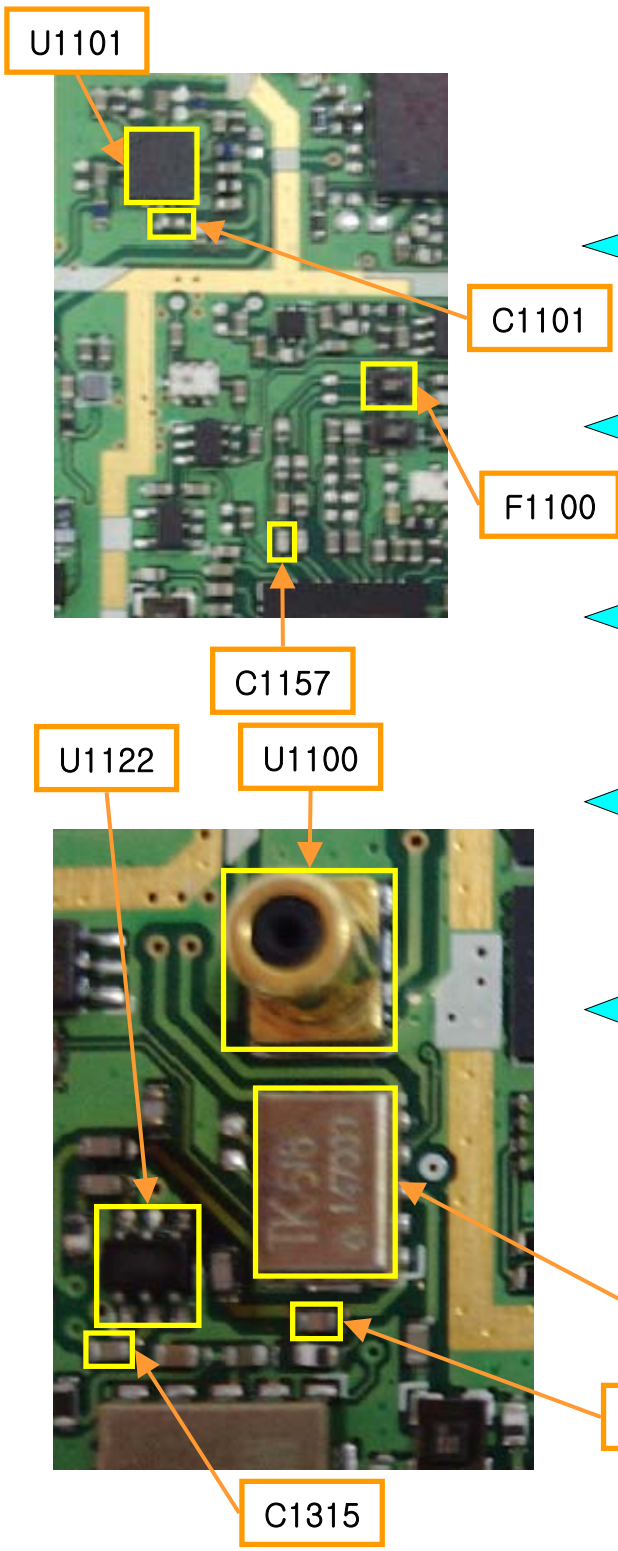
Circuit Diagram



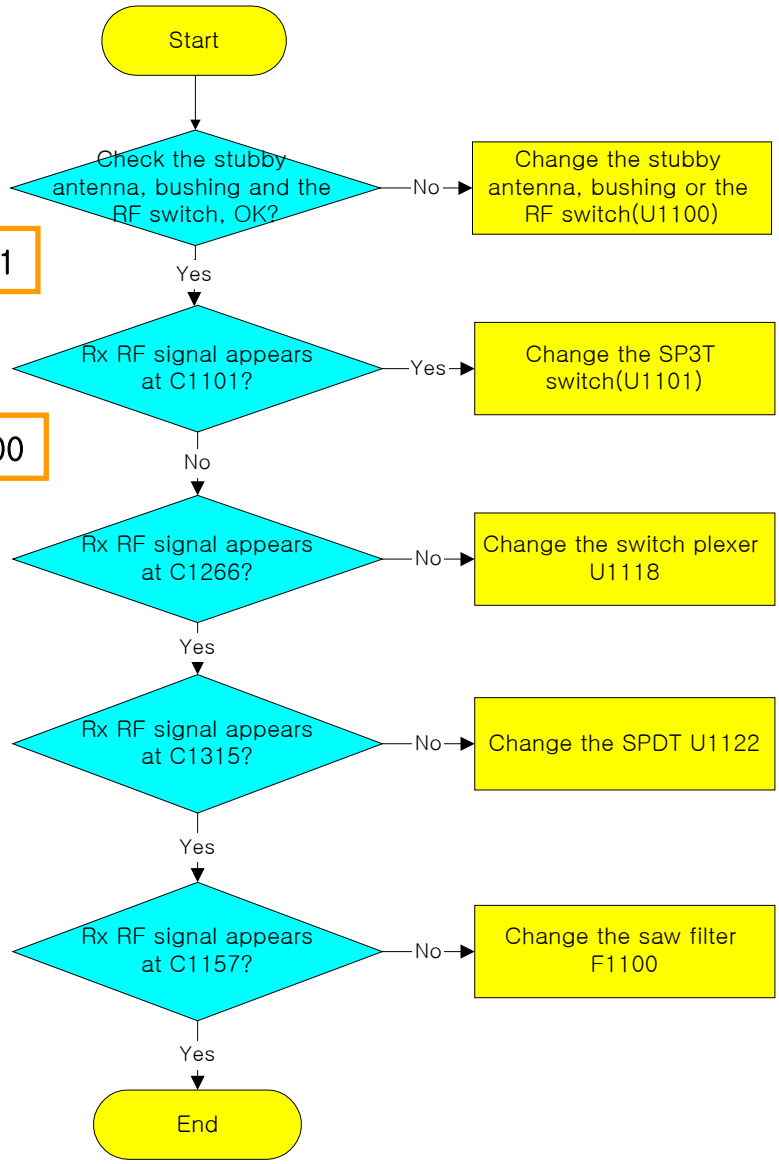
	LNA ON	LNA OFF
STB LNA	H	L
STB	H	H
Vcc	H	H
MDX	H	H
VLNA	H	H

3.2.7 When DCS1800 Rx sensitivity isn't normal.

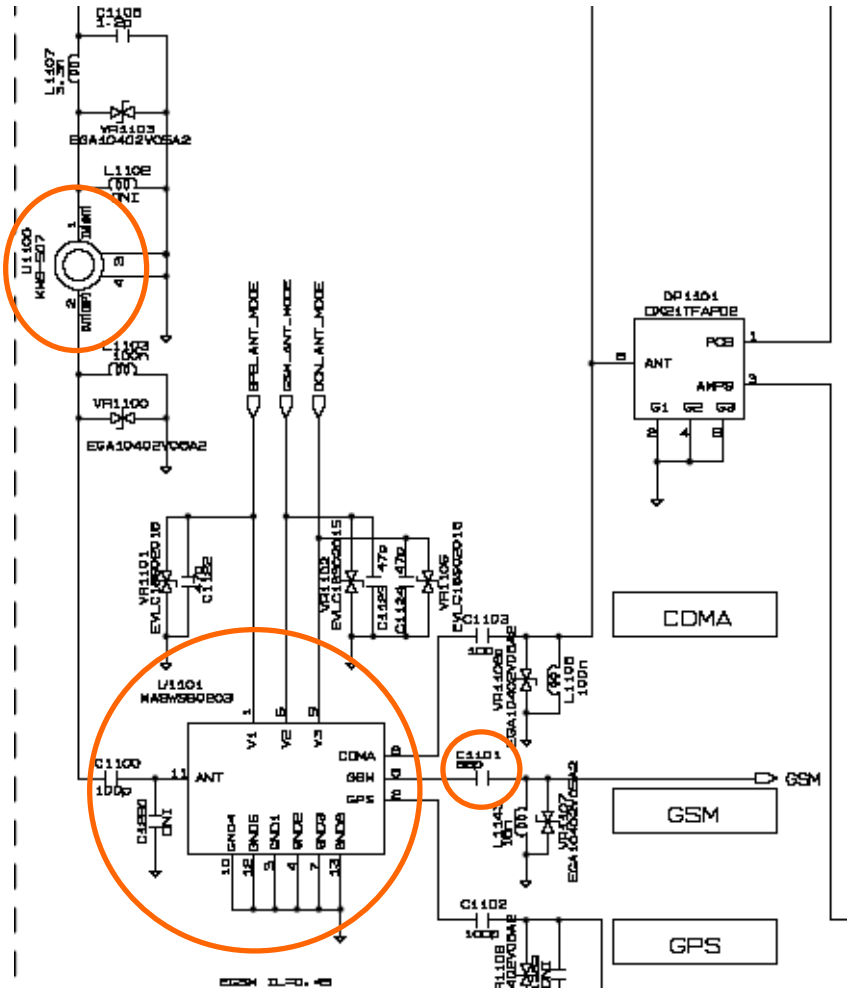
Test Point



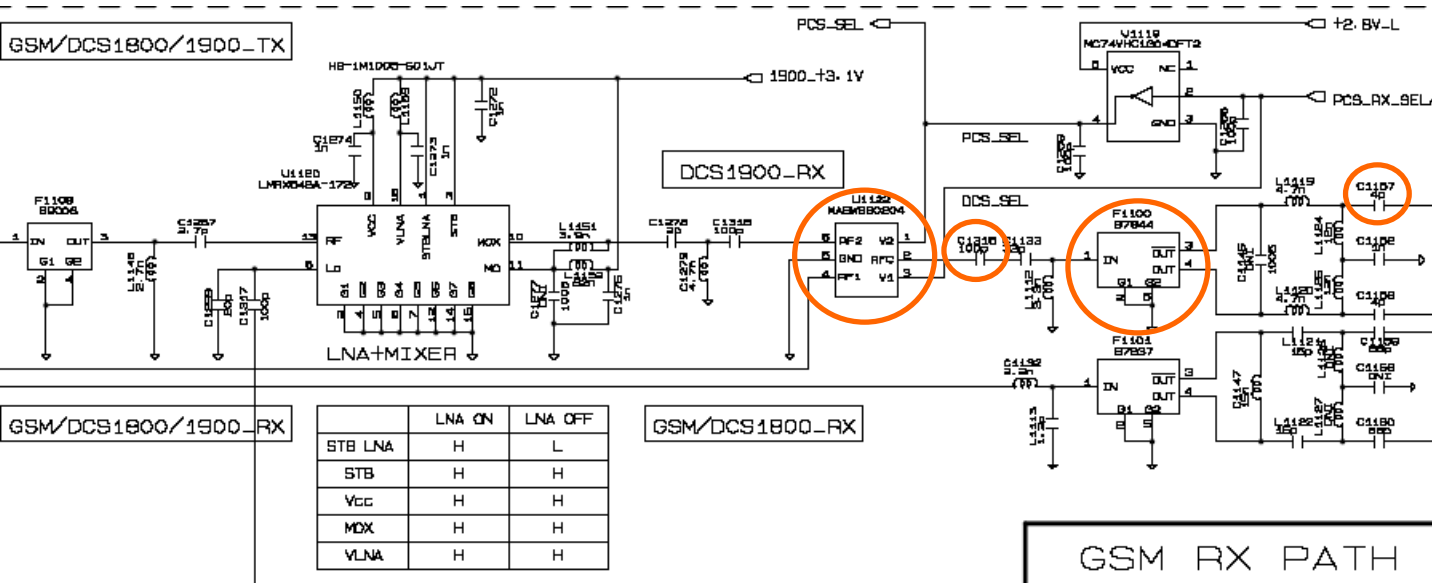
Checking Flow



Circuit Diagram



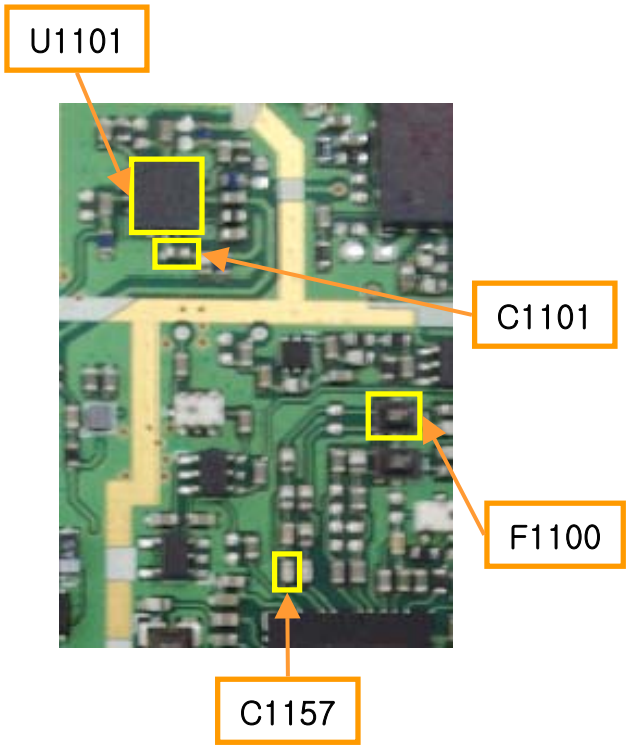
Circuit Diagram

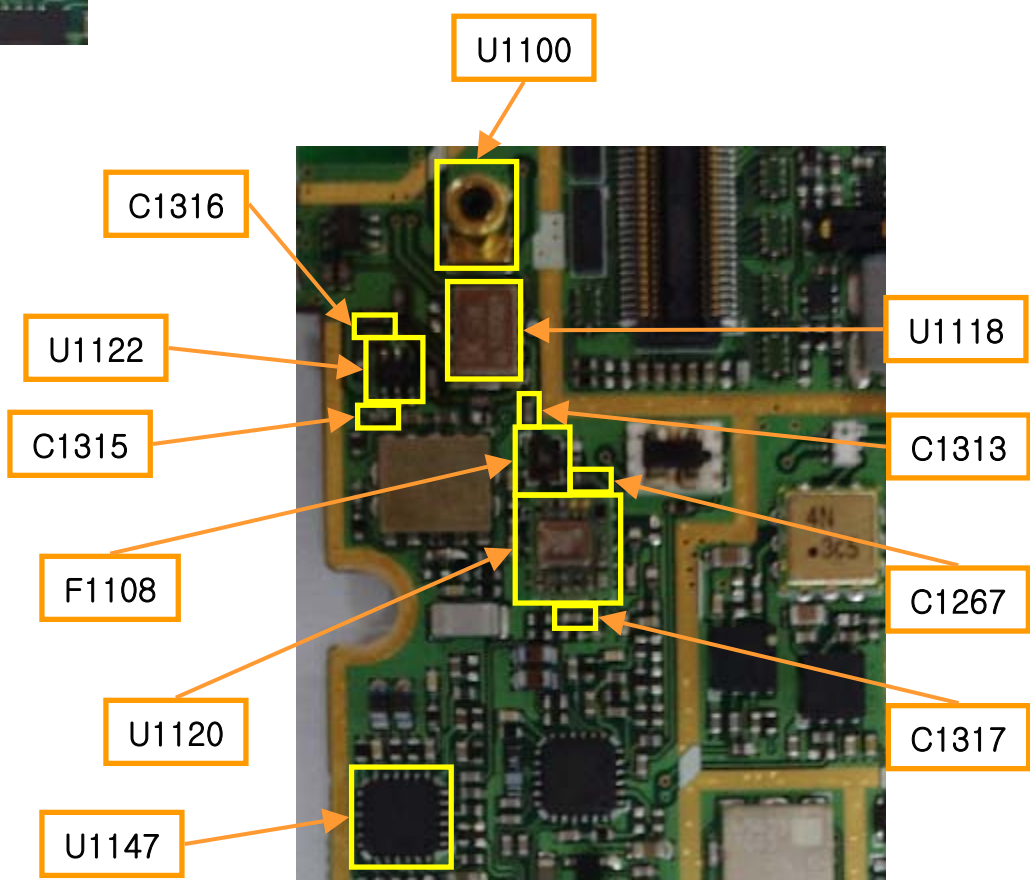


	LNA ON	LNA OFF
STB LNA	H	L
STB	H	H
Vcc	H	H
MDX	H	H
VLNA	H	H

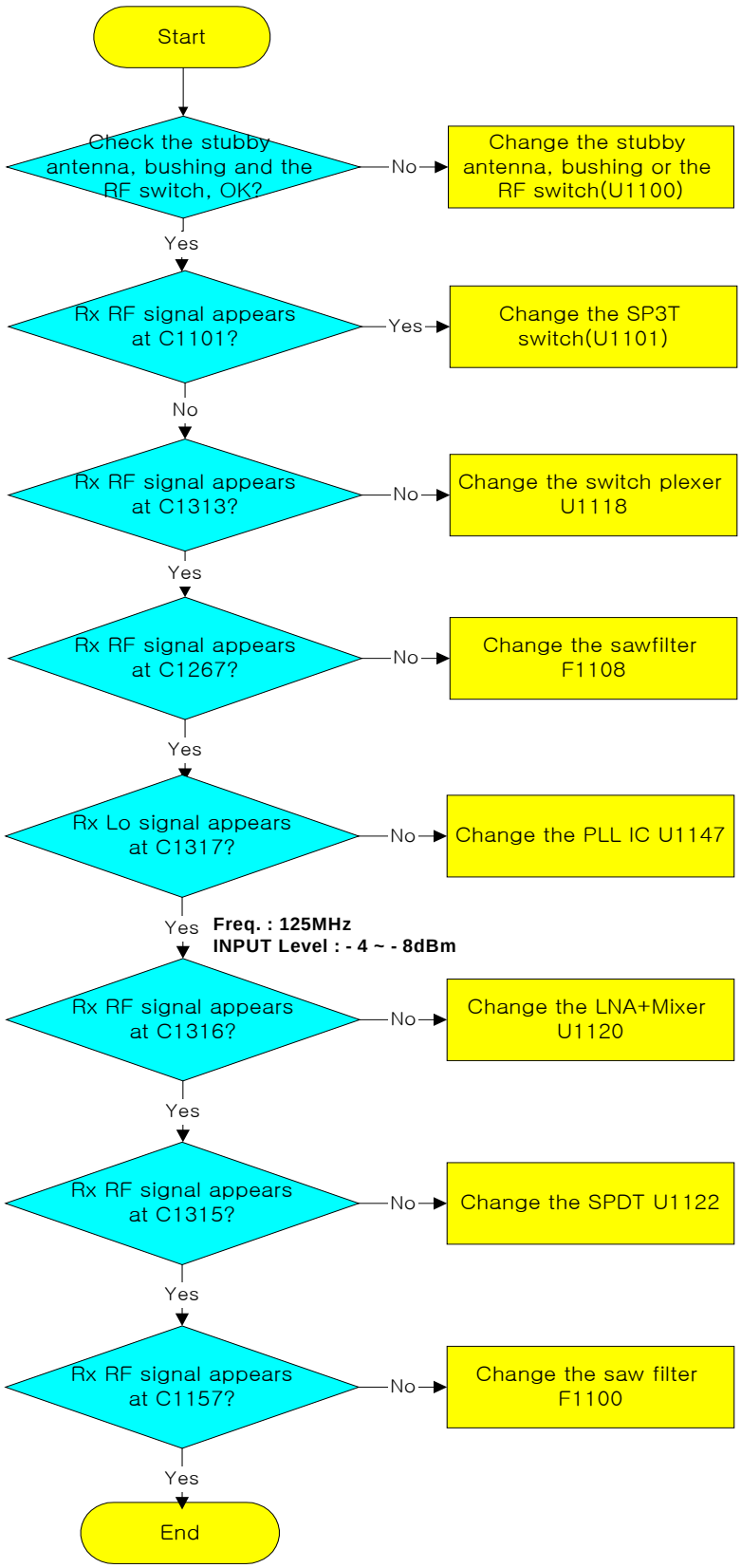
3.2.8 When PCS1900 Rx sensitivity isn't normal.

Test Point

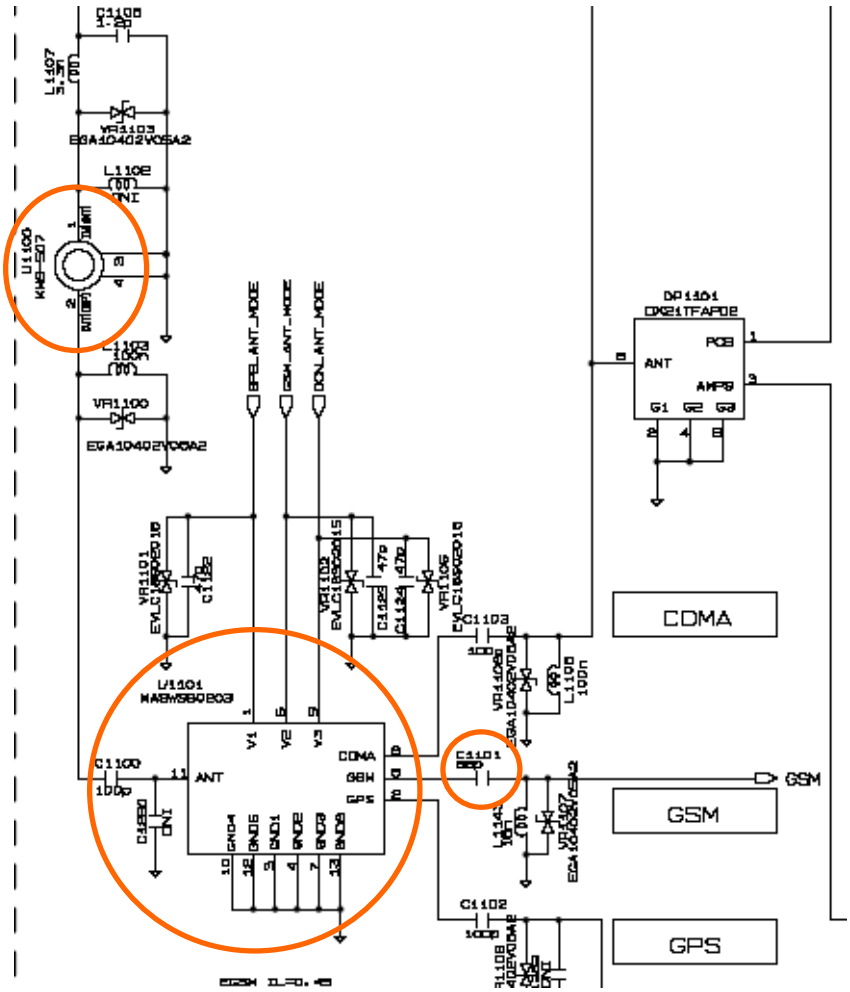




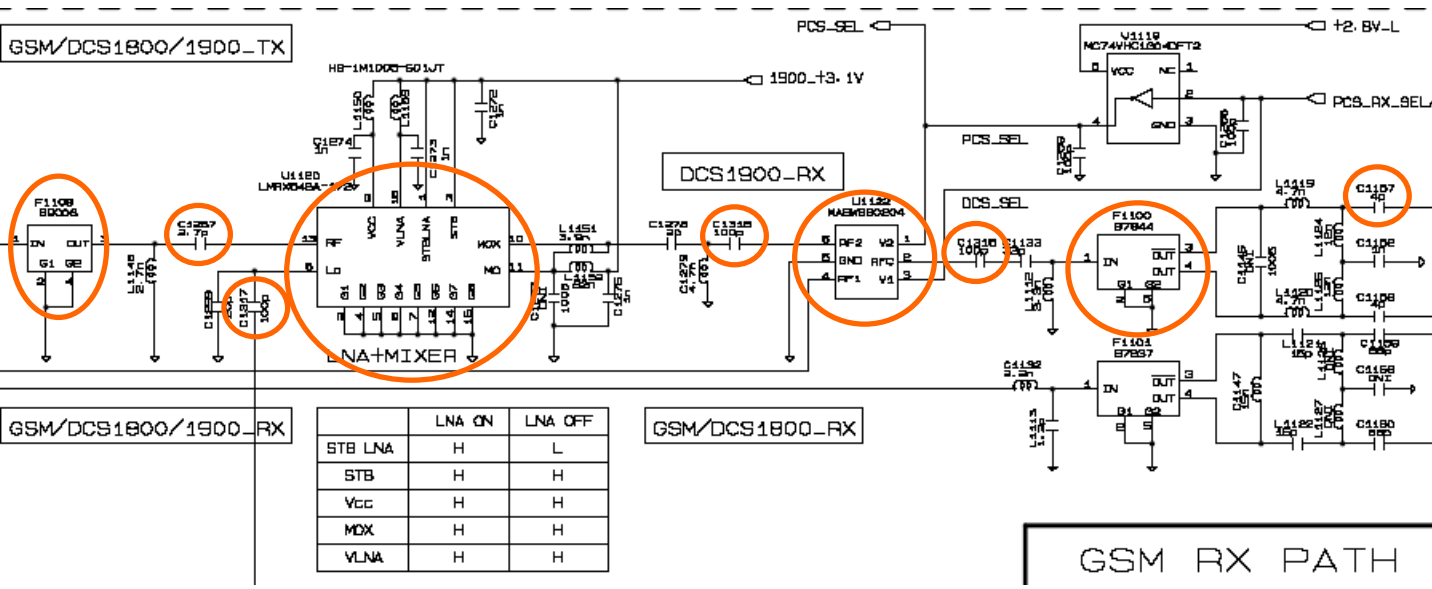
Checking Flow



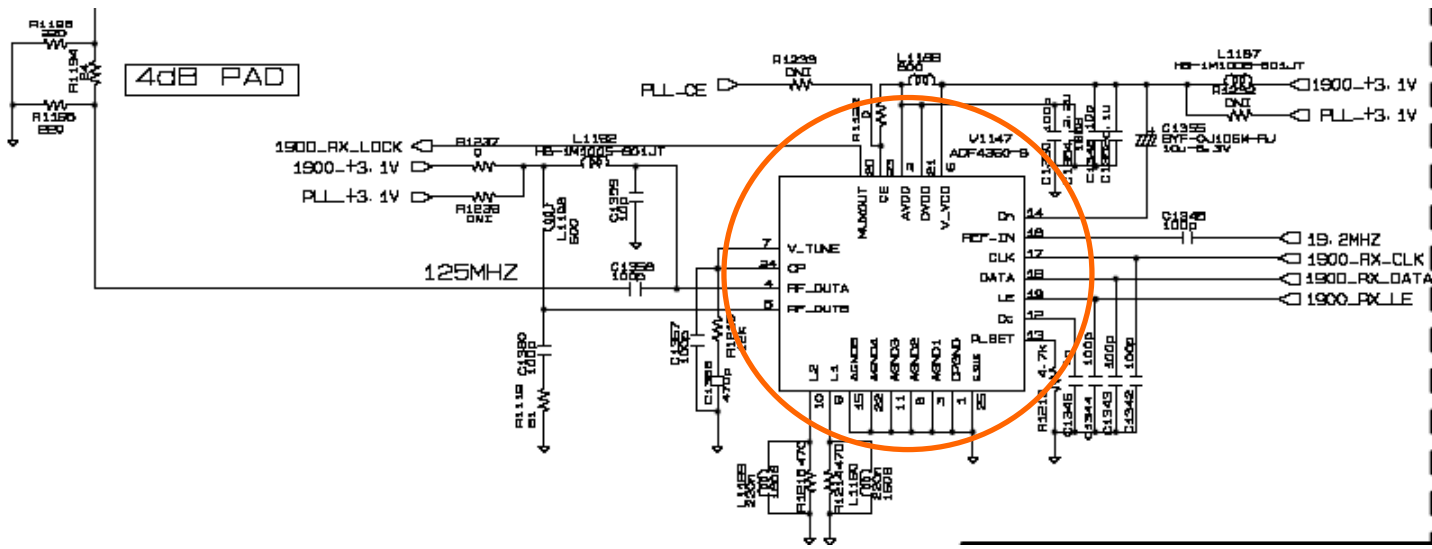
Circuit Diagram



Circuit Diagram

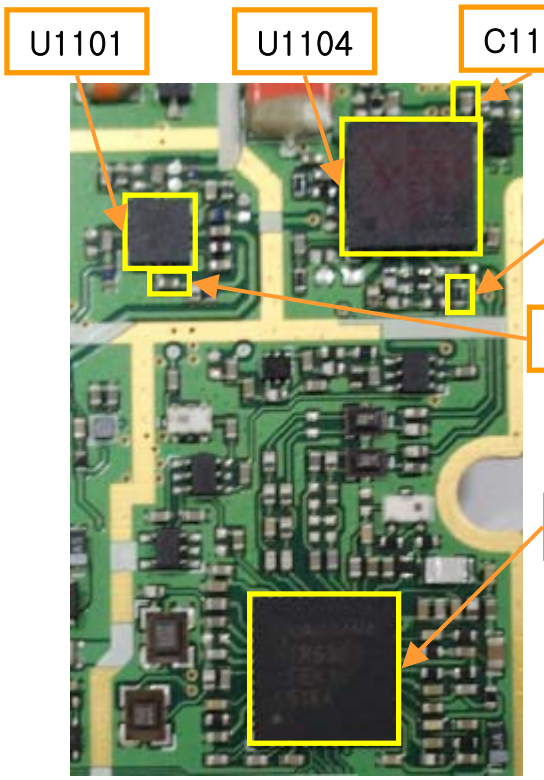


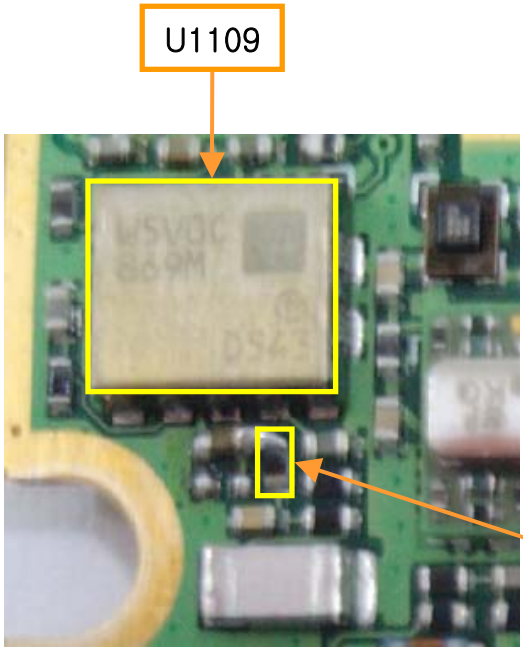
	LNA ON	LNA OFF
STB LNA	H	L
STB	H	H
Vcc	H	H
MDX	H	H
VLNA	H	H



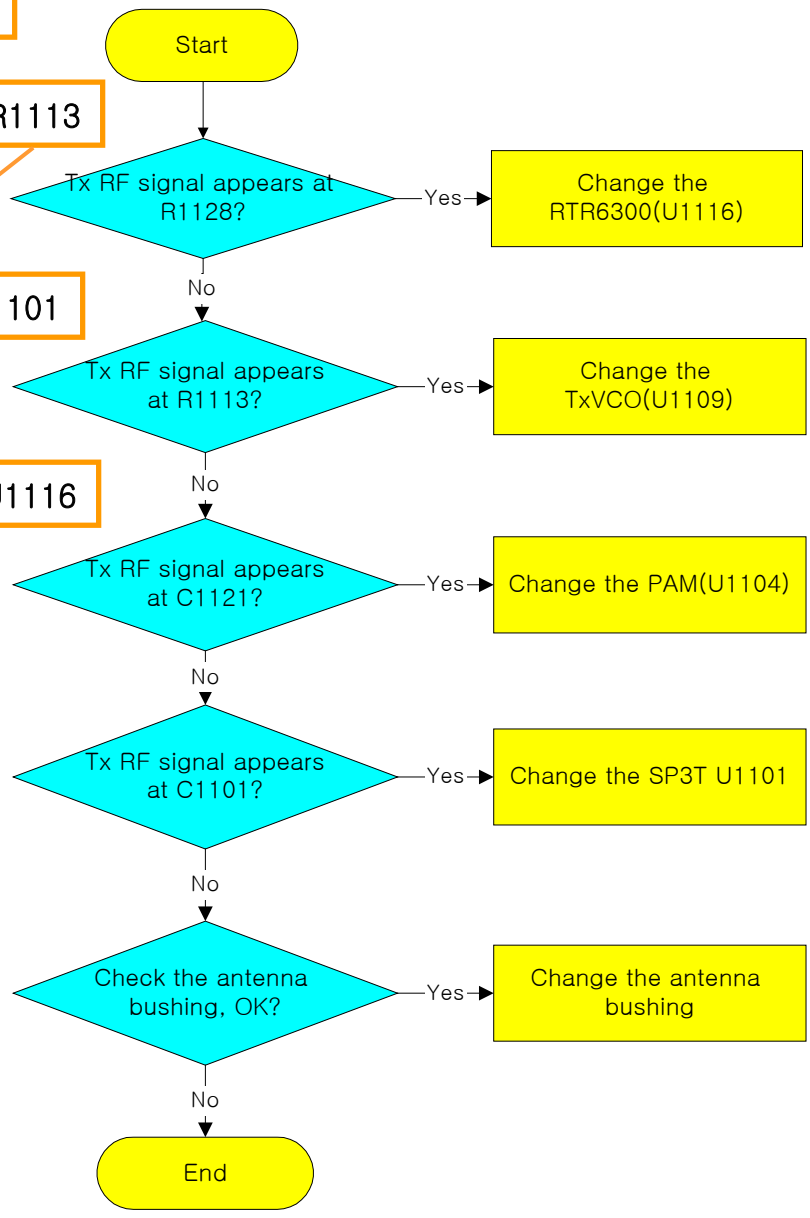
3.2.9 When GSM900 Tx power isn't normal.

Test Point

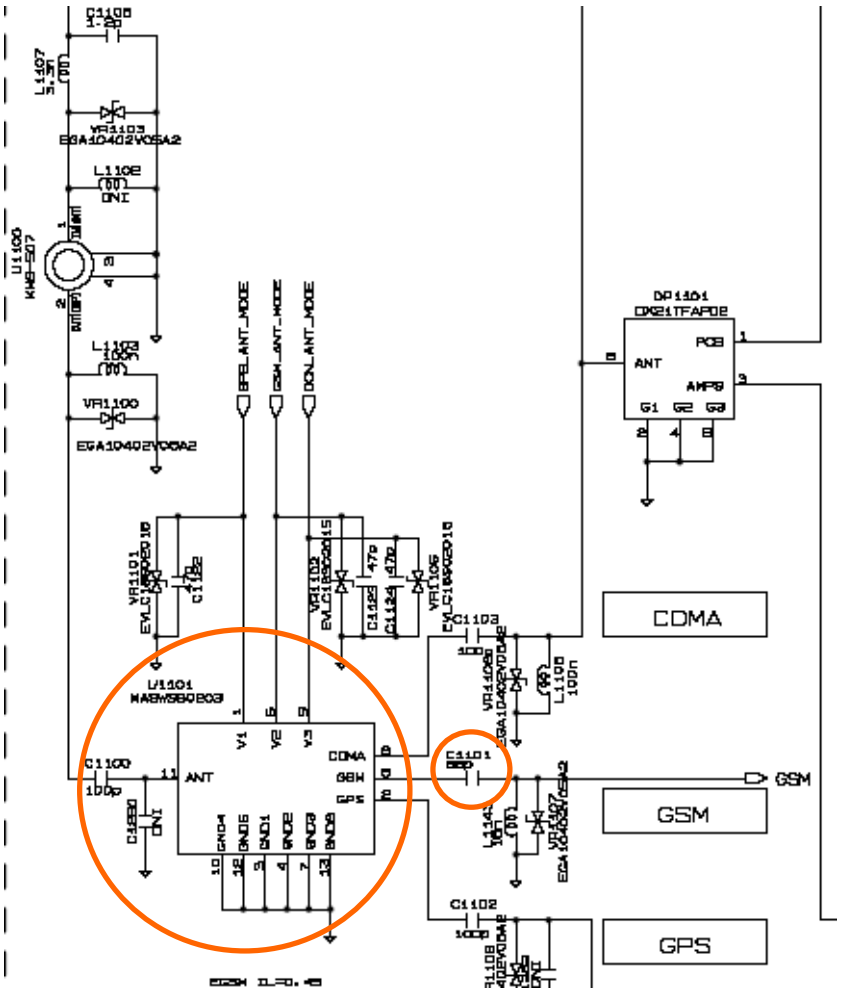


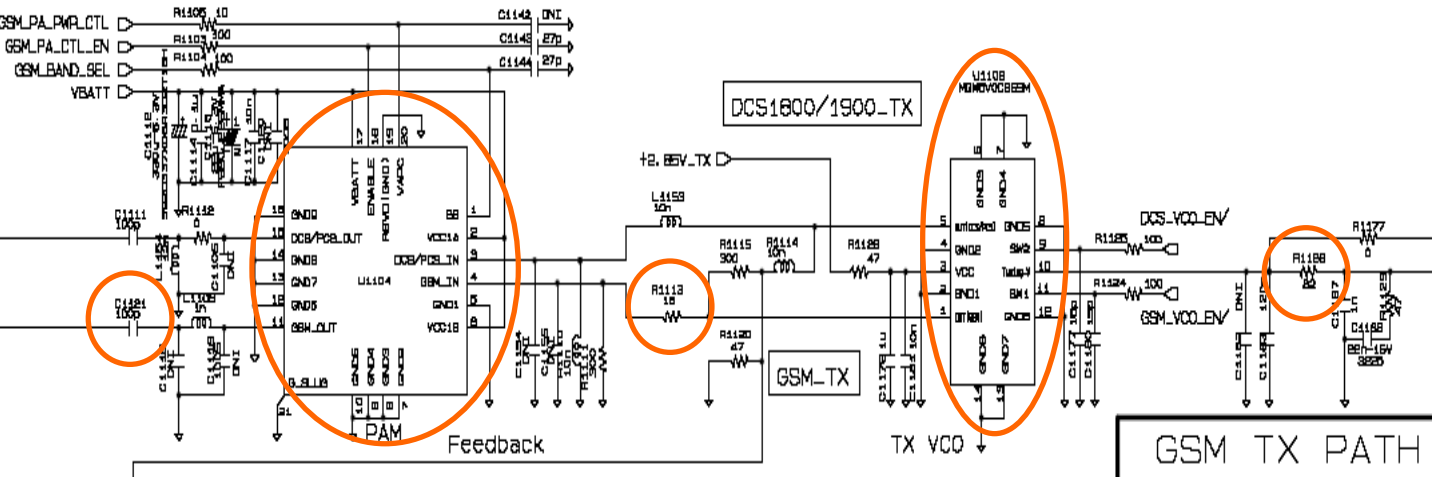


Checking Flow

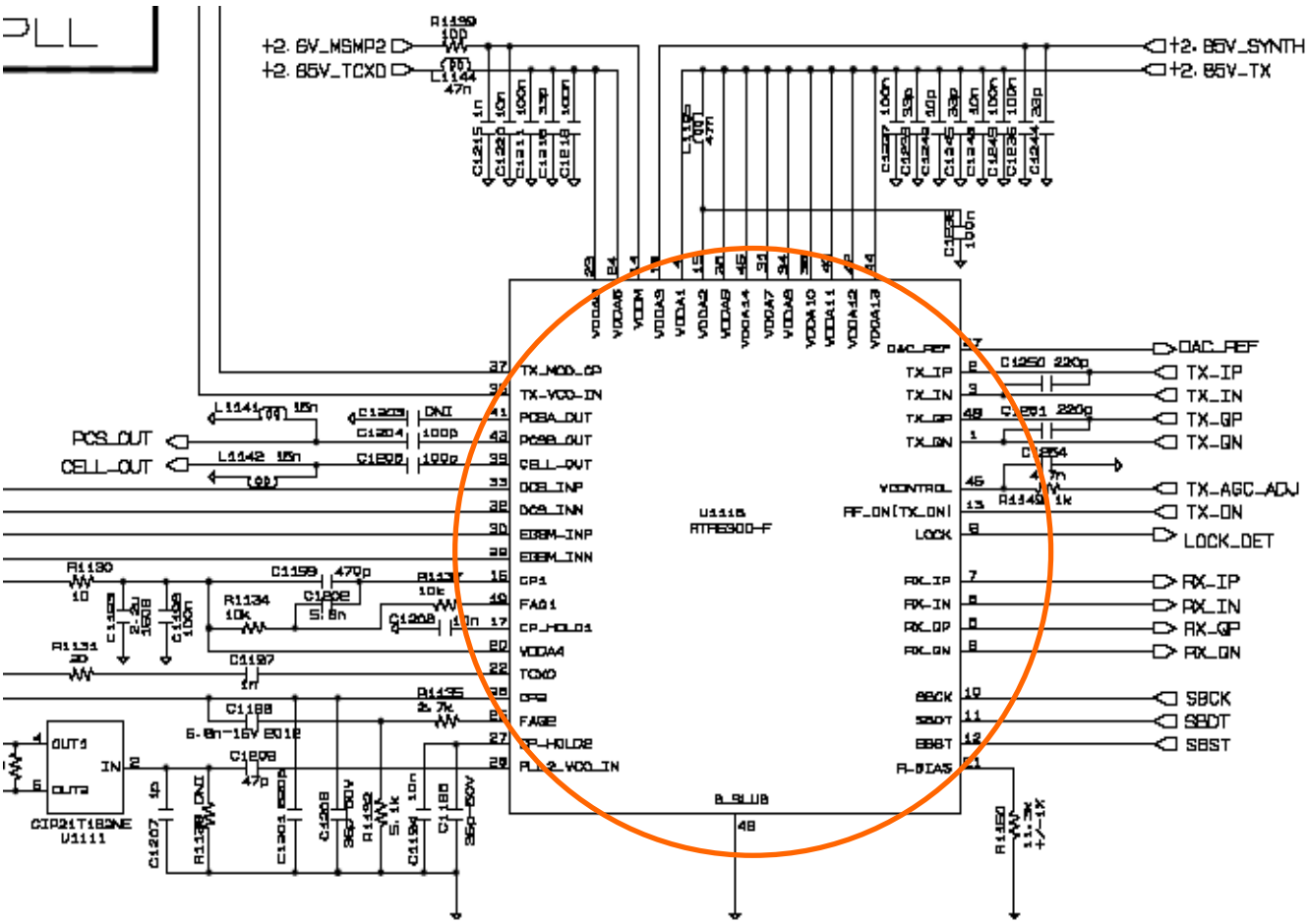


Circuit Diagram



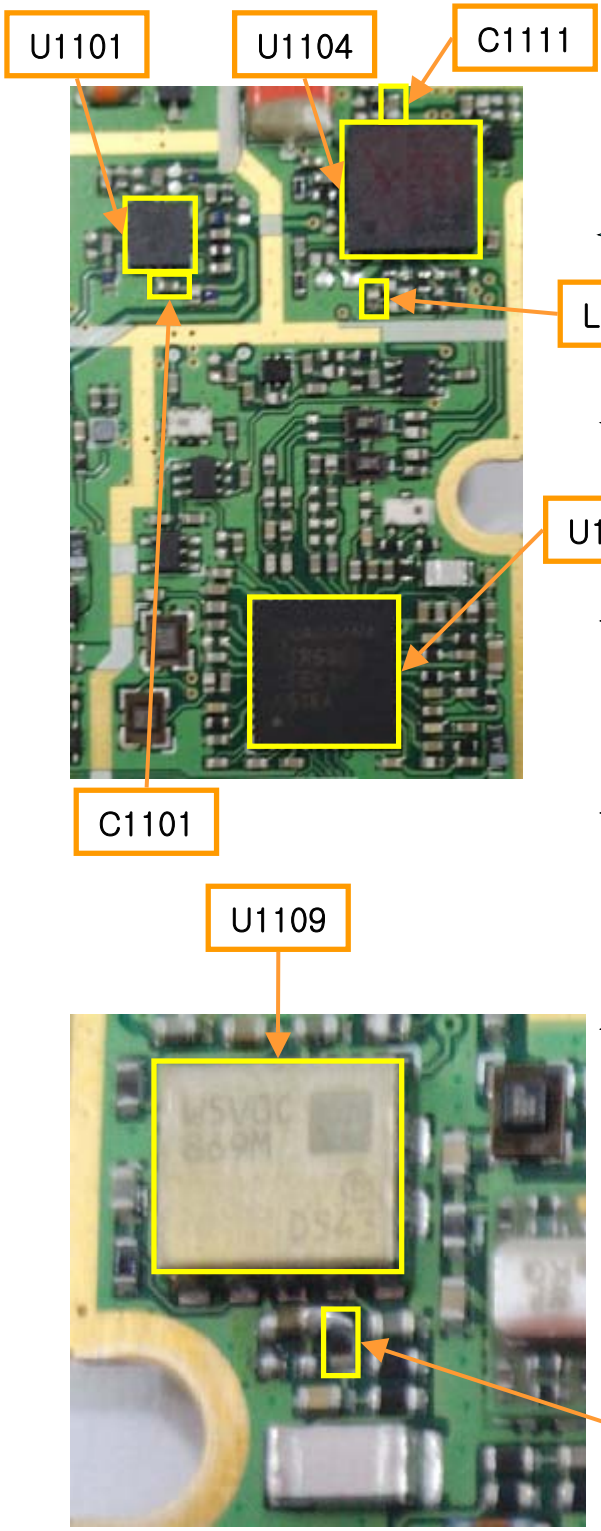


Circuit Diagram

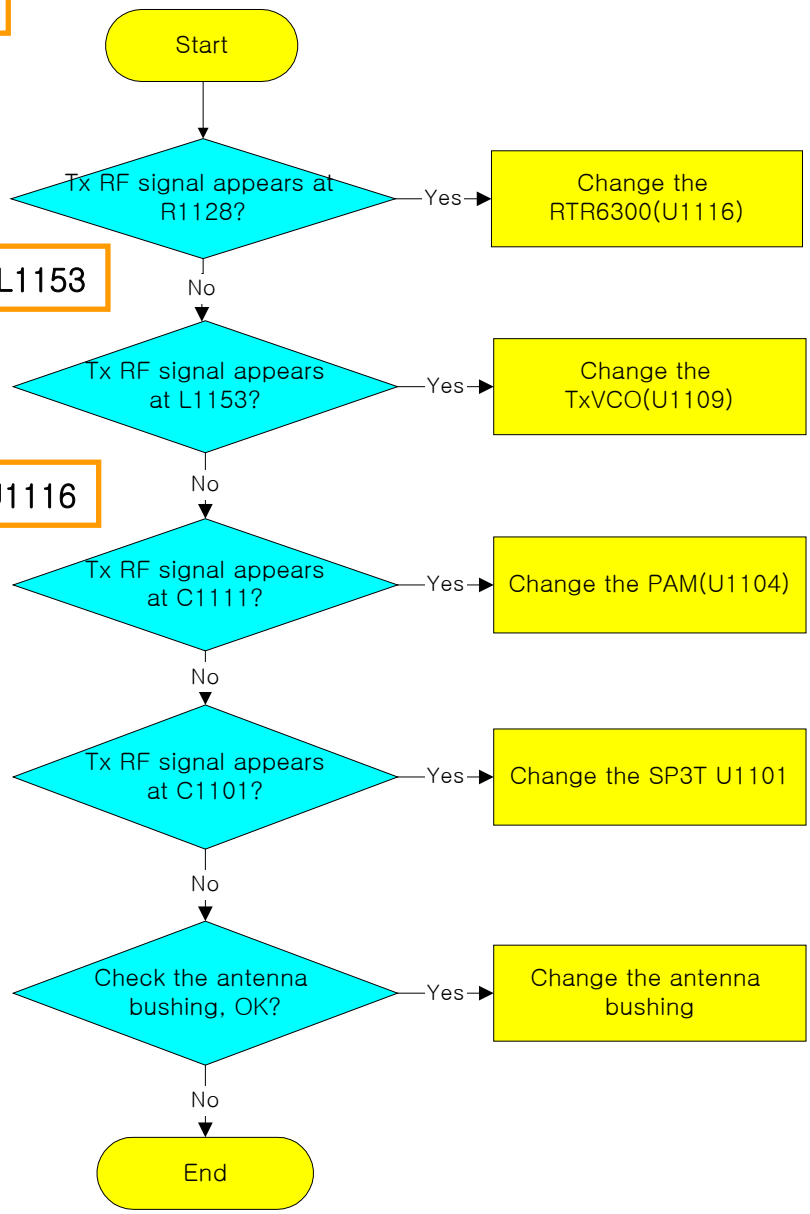


3.2.10 When DCS1800 Tx power isn't normal.

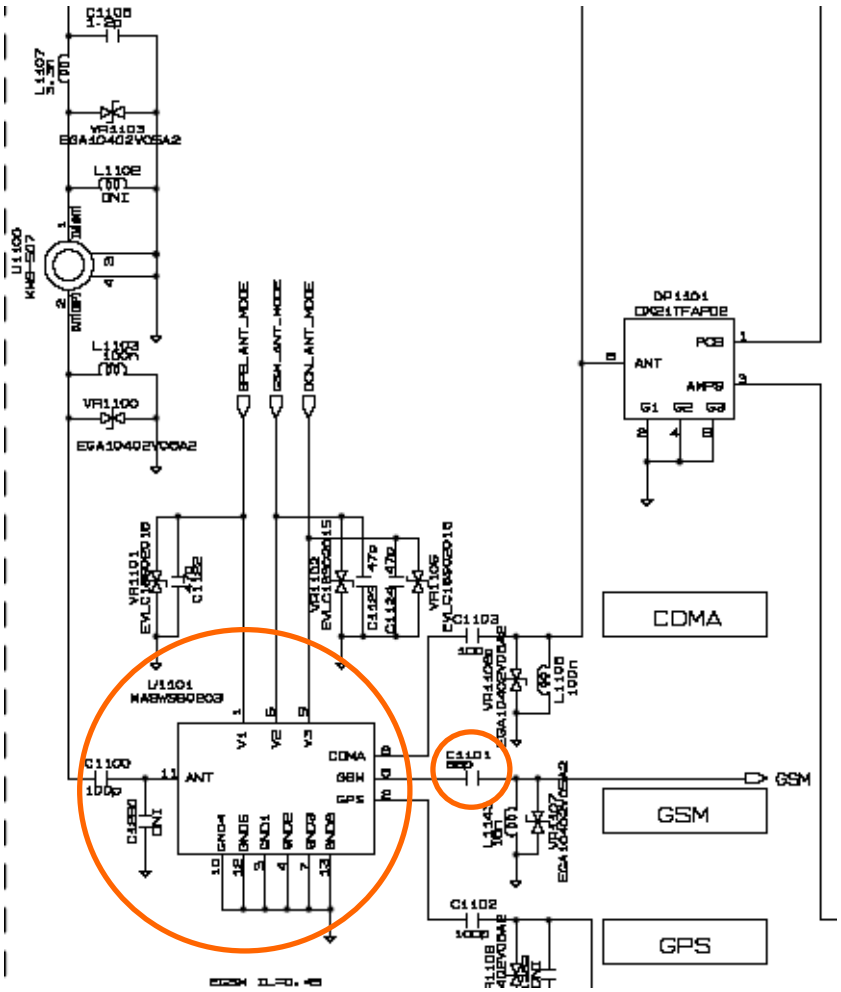
Test Point



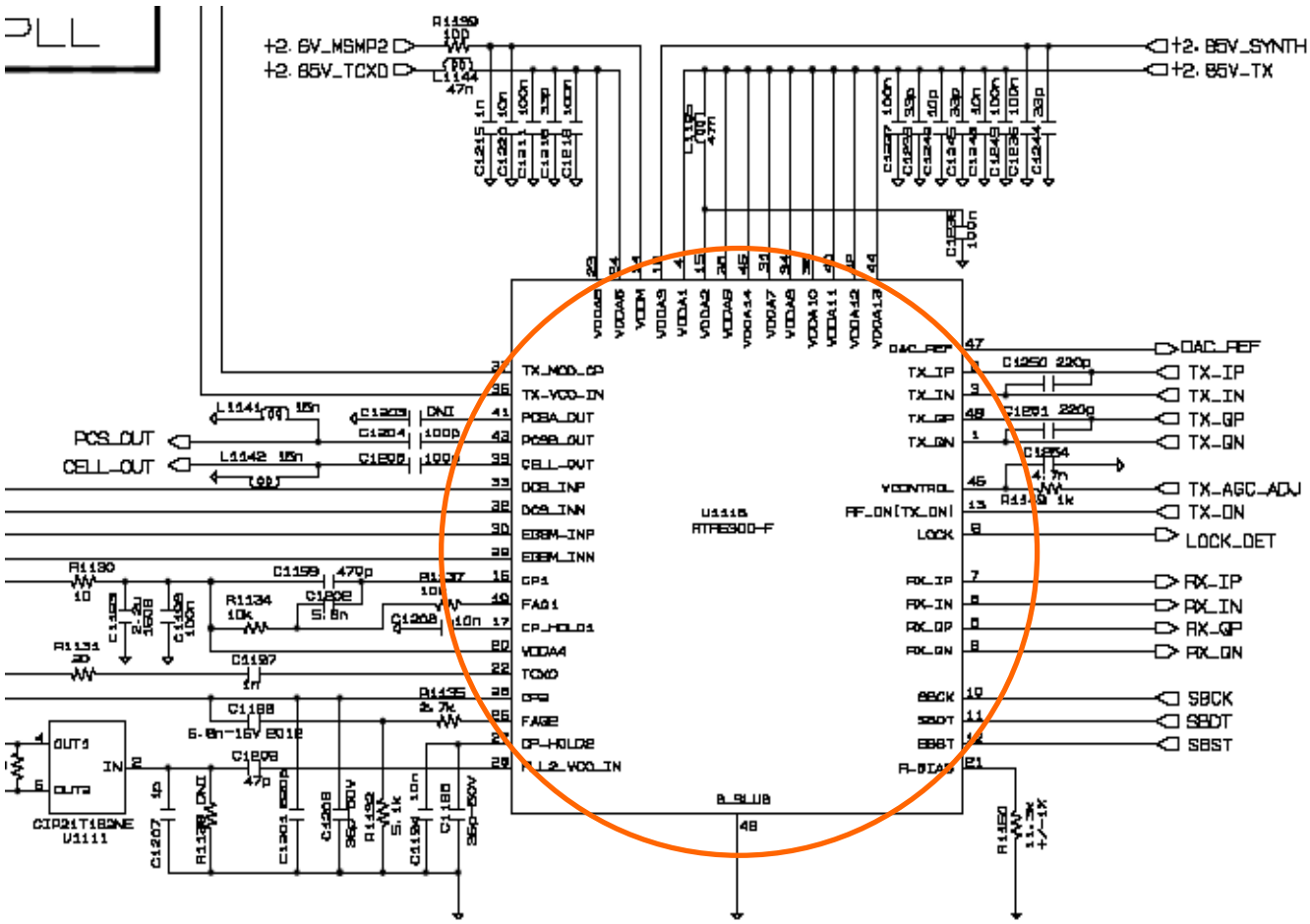
Checking Flow



Circuit Diagram

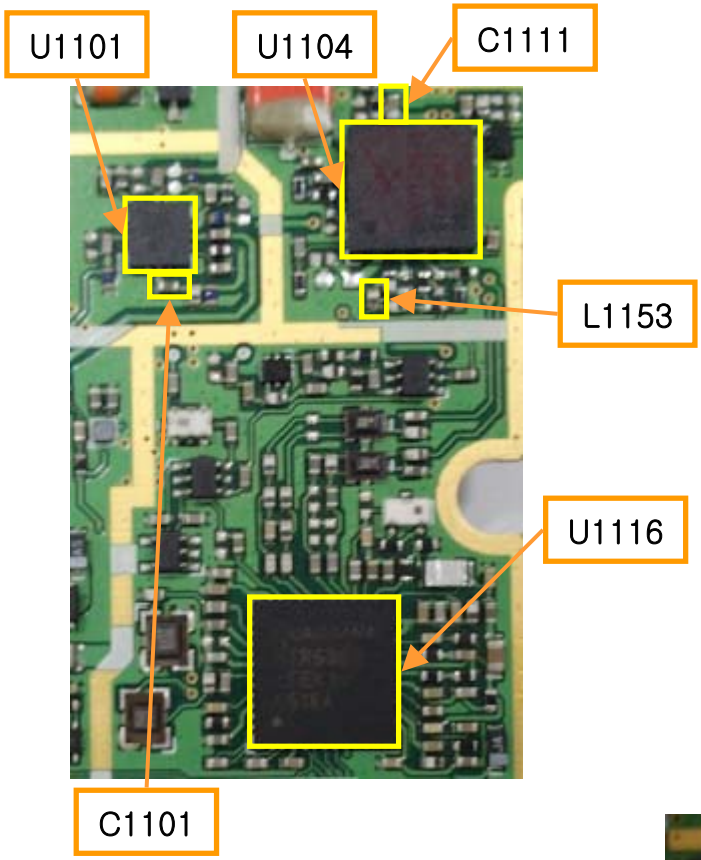


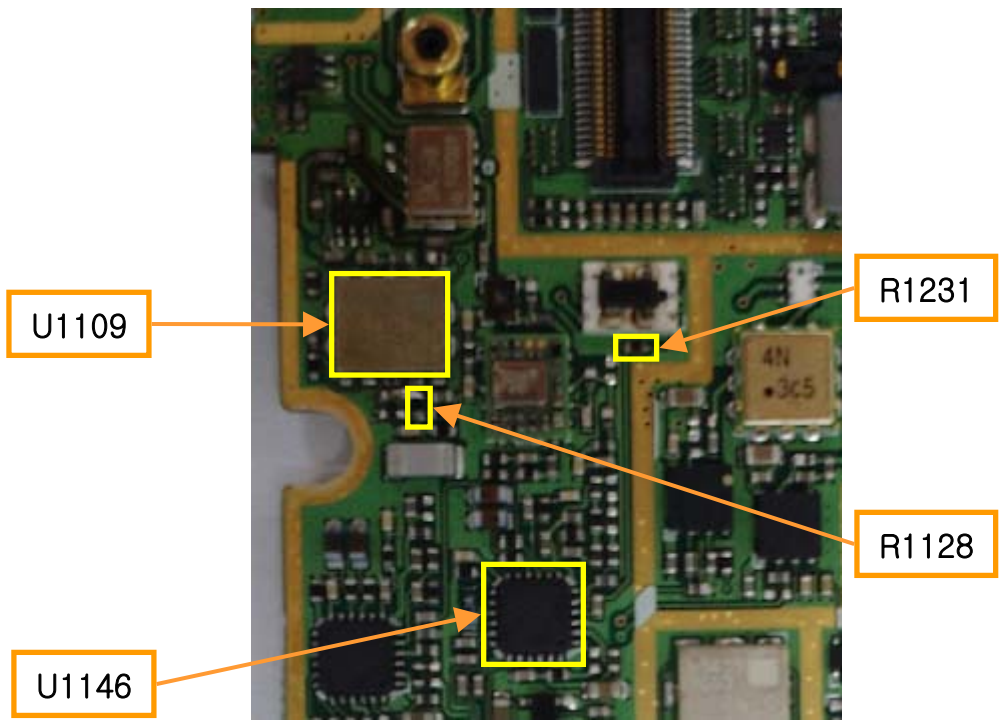
Circuit Diagram



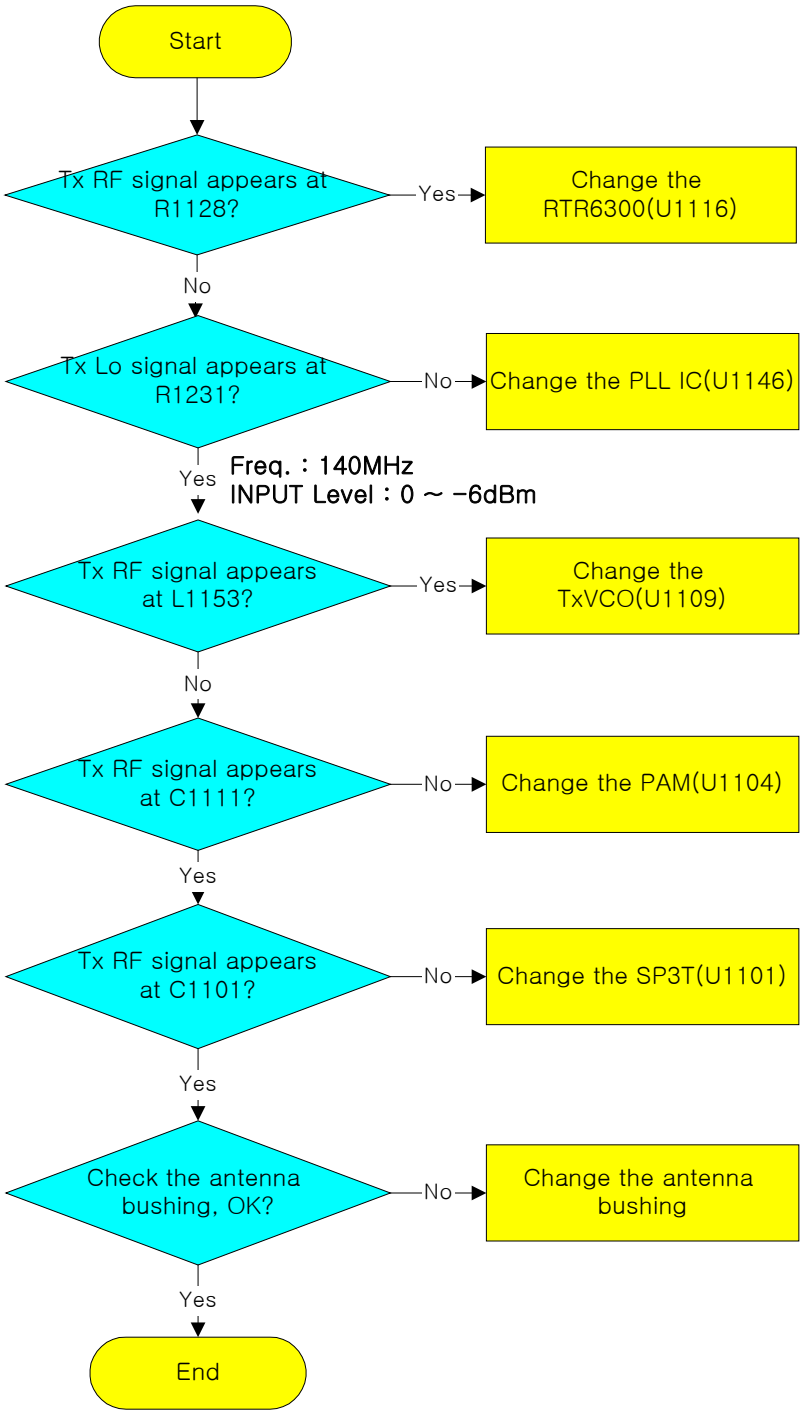
3.2.11 When PCS1900 Tx power isn't normal.

Test Point

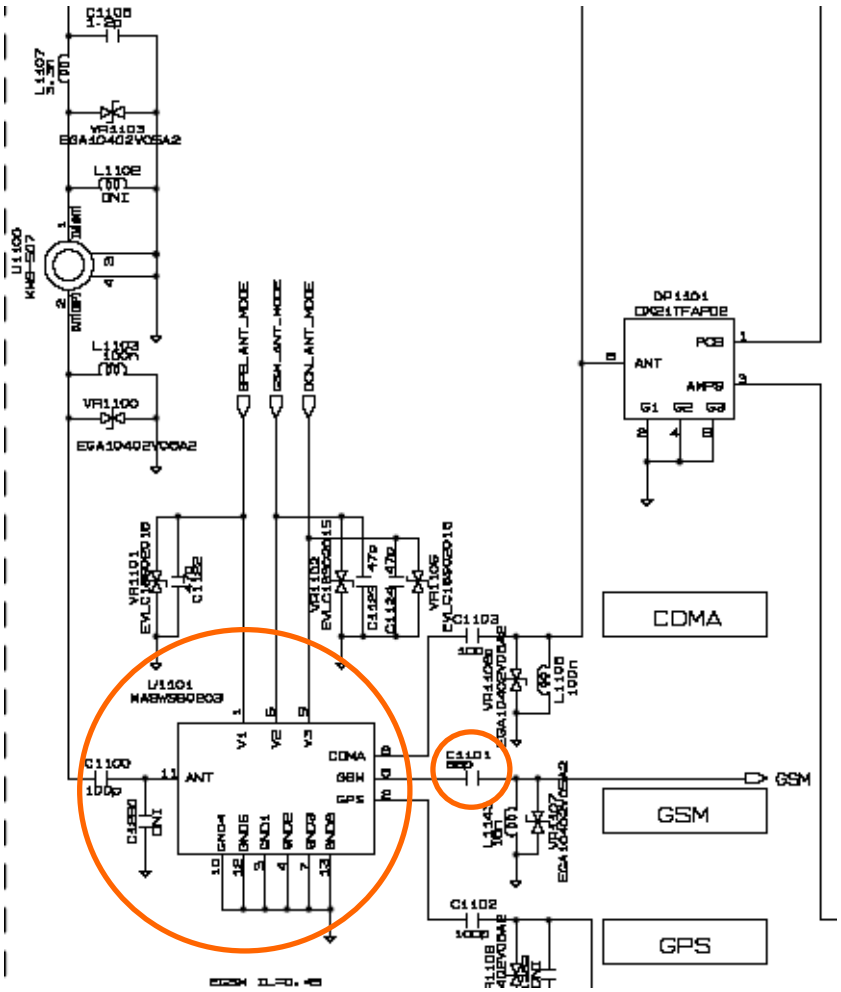




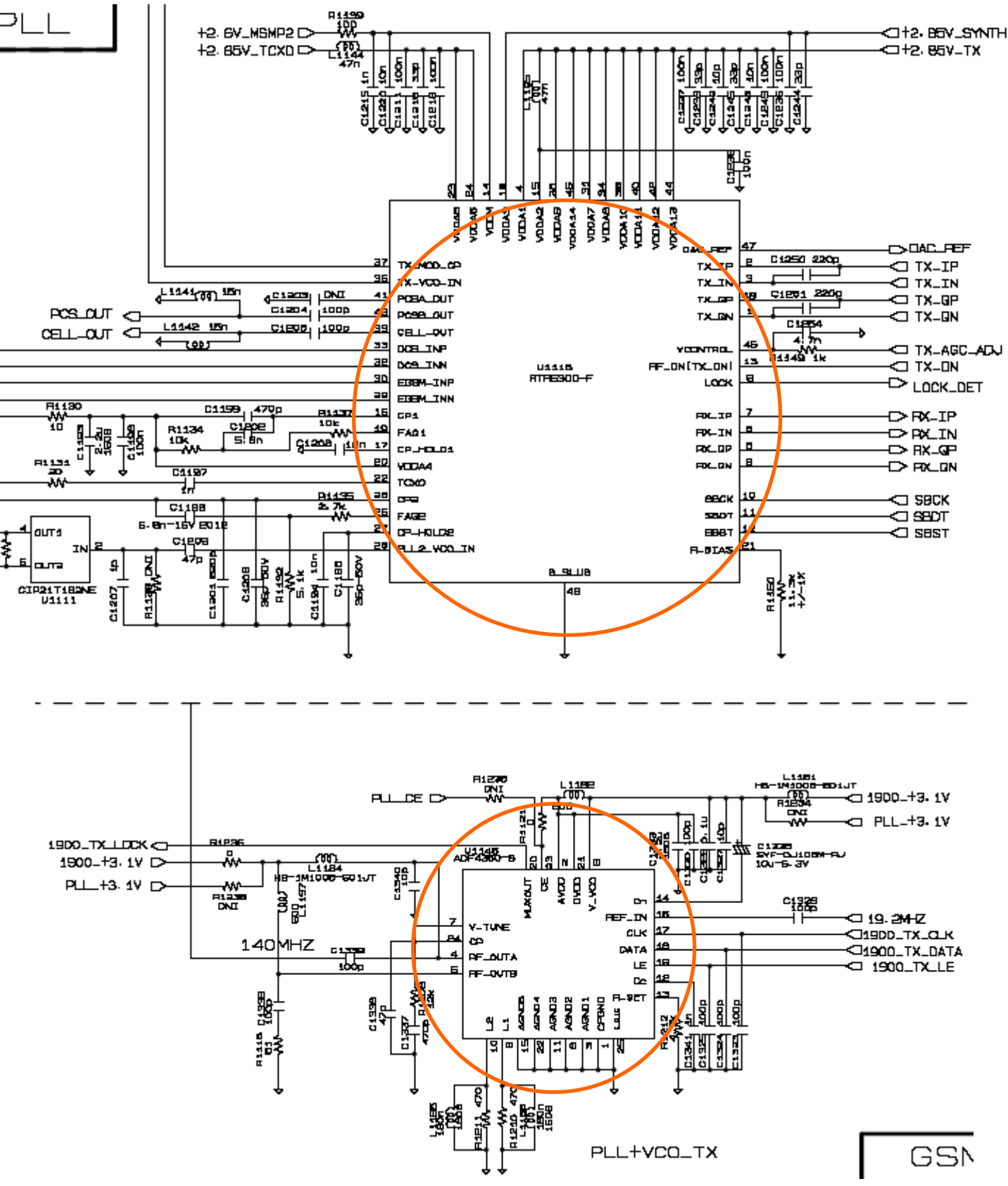
Checking Flow



Circuit Diagram



Circuit Diagram



Circuit Diagram