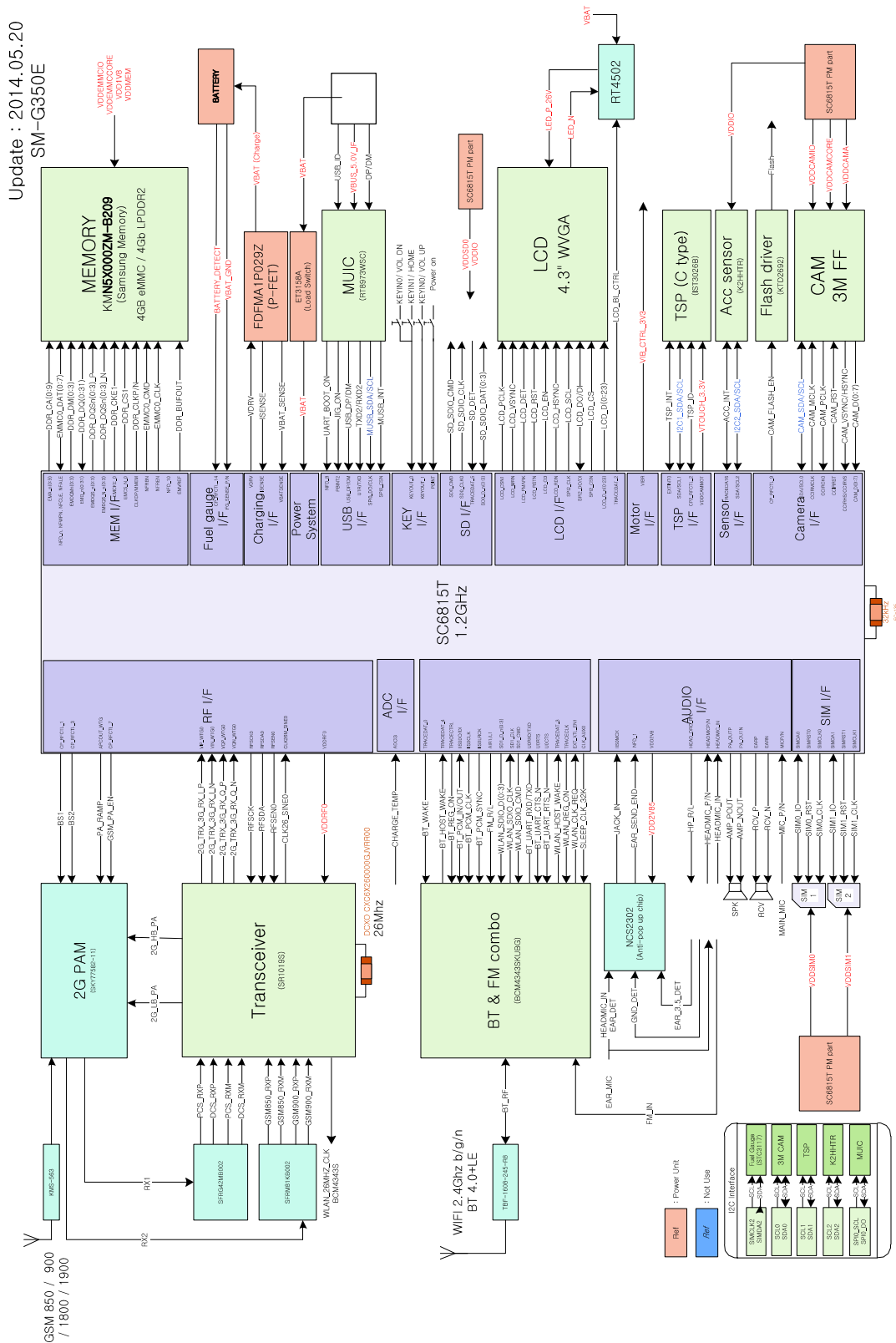


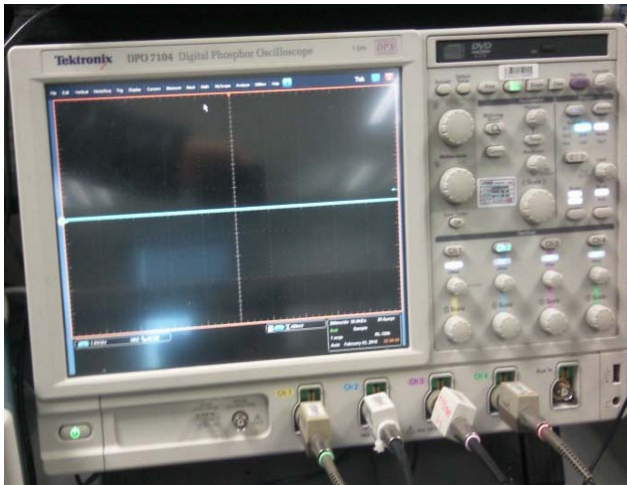
8. Level 3 Repair

8-1. Block Diagram



8-3. Flow Chart of Troubleshooting

Equipments



↑ Oscilloscope



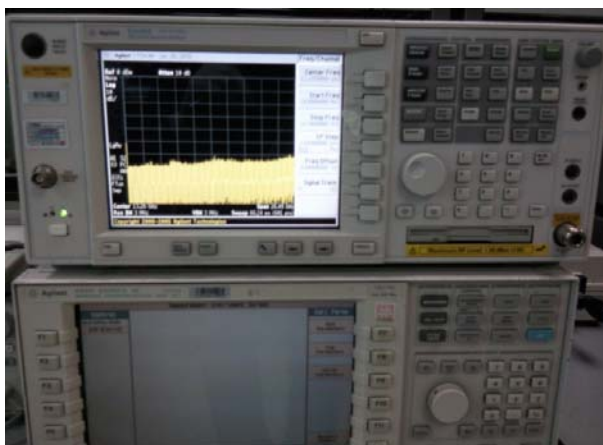
↑ Digital Multimeter



↑ Power Supply



↑ + driver, ESD Safe Tweezer

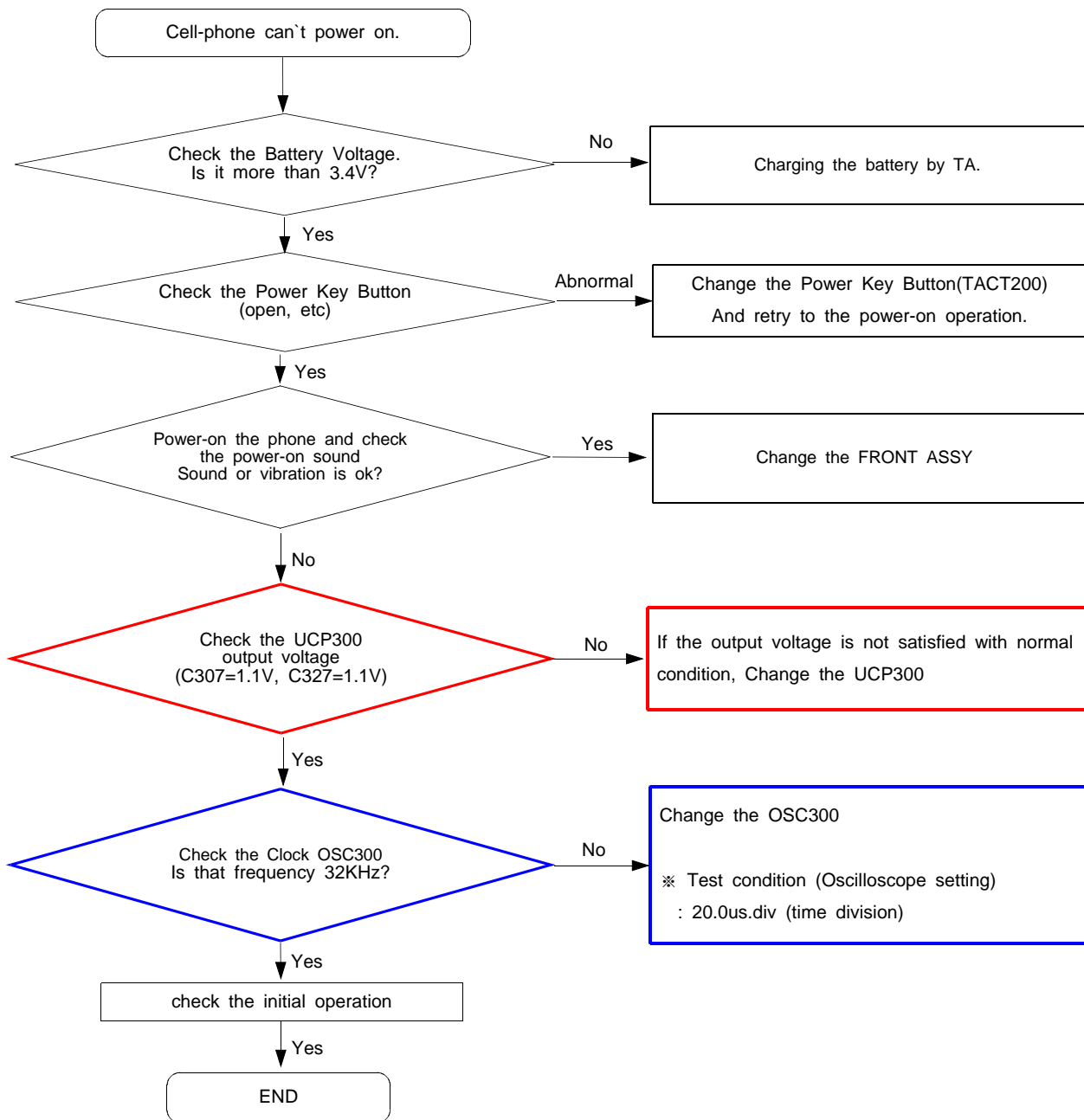


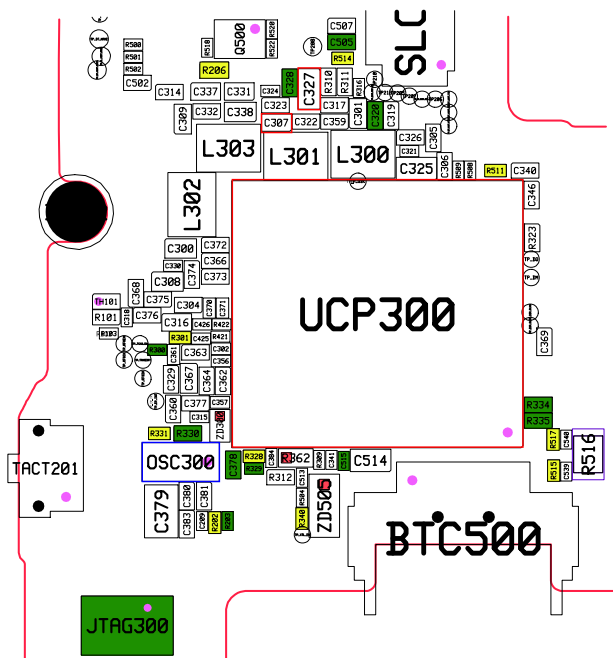
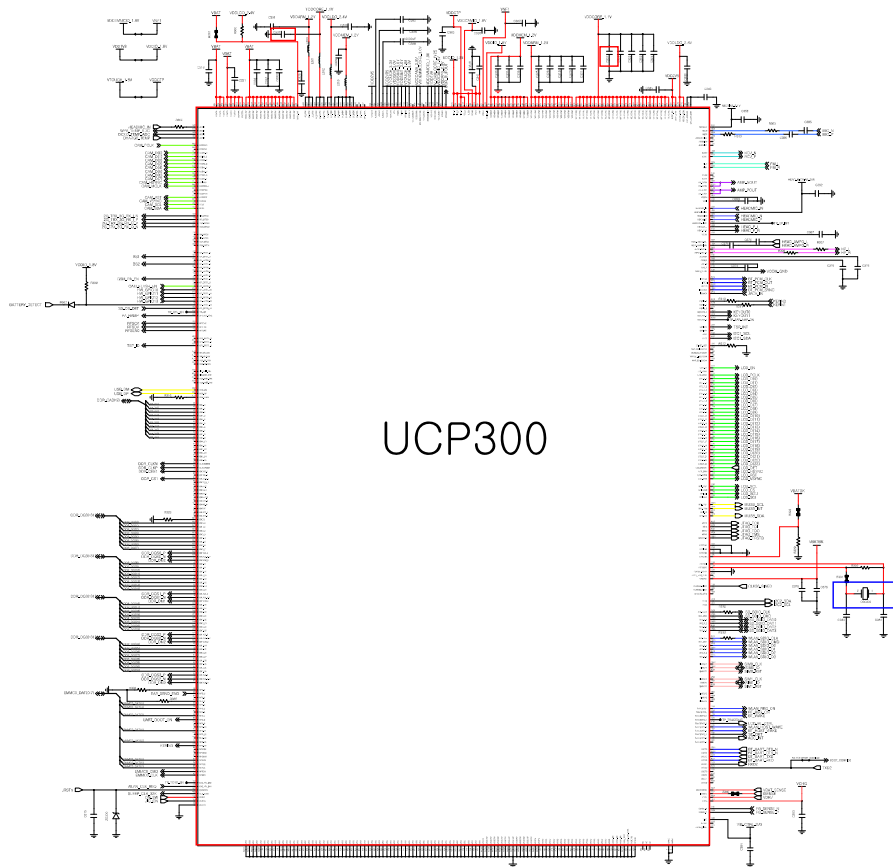
↑ 8960 & Spectrum Analyzer



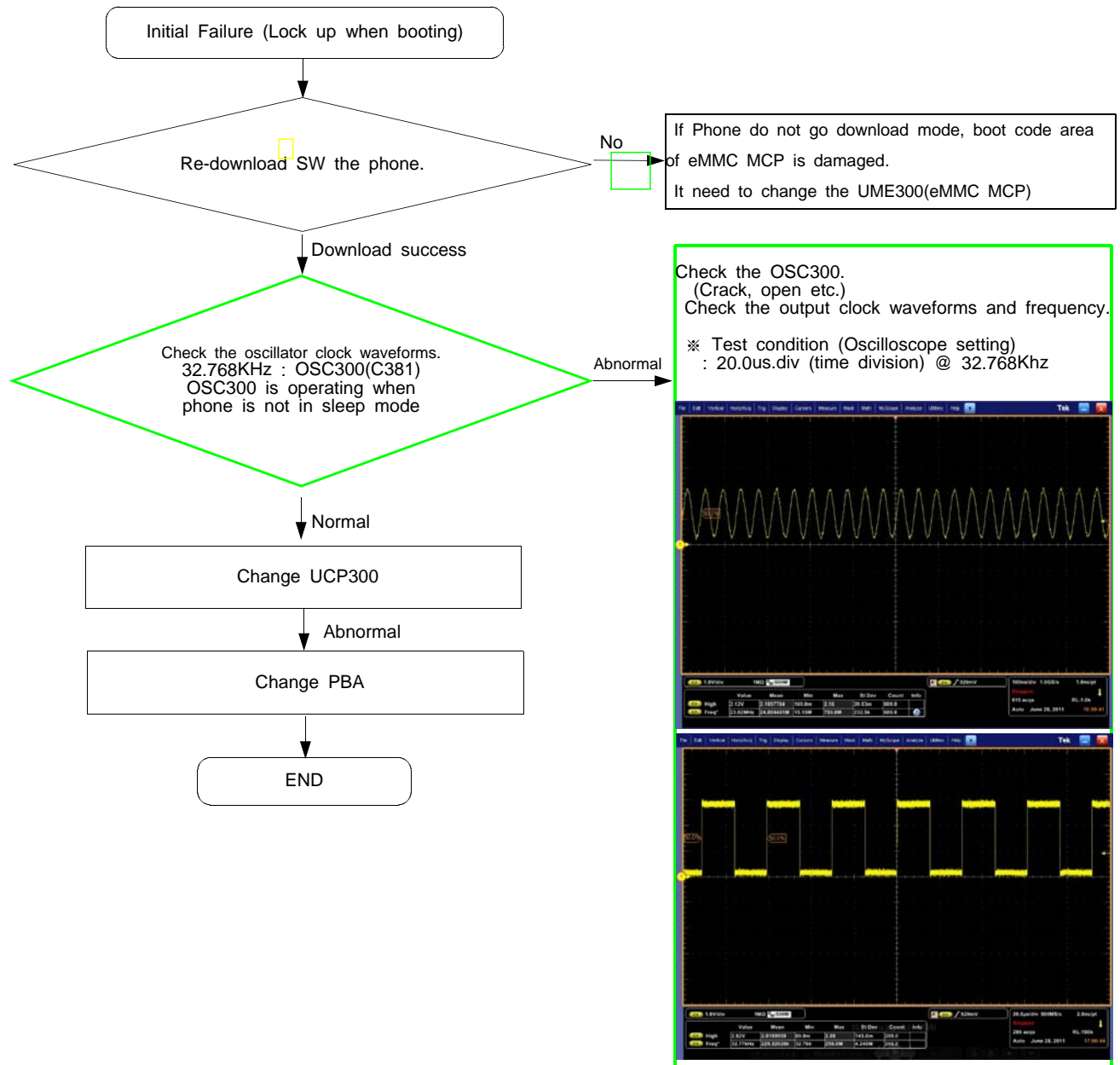
↑ Soldering iron

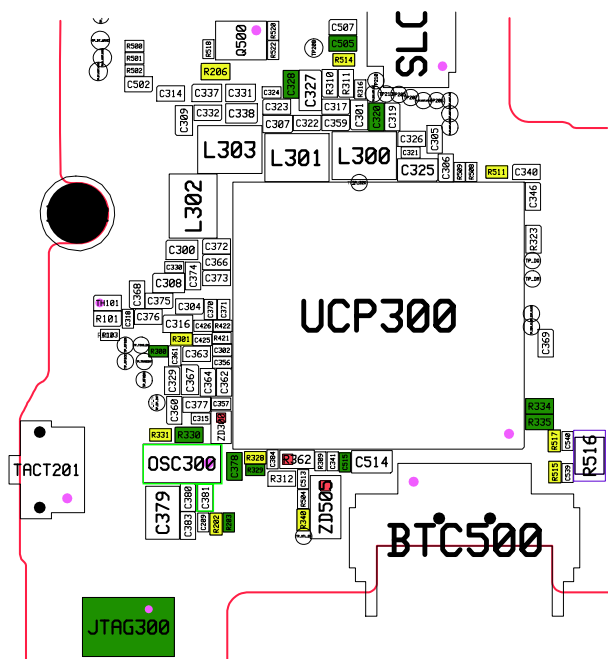
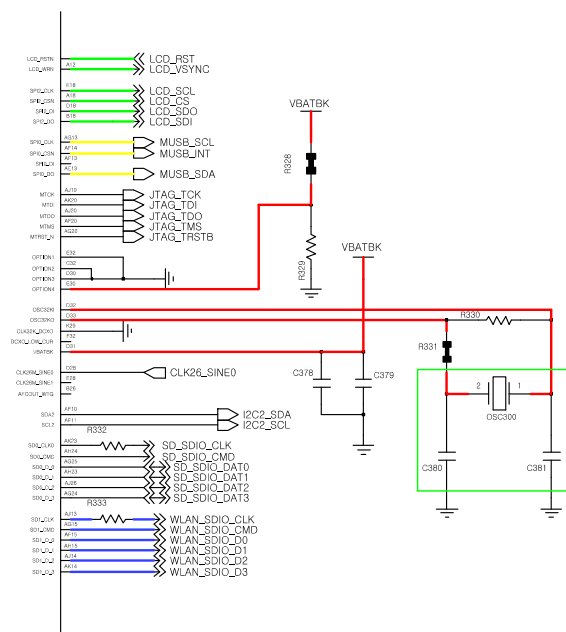
8-3-1. Power On



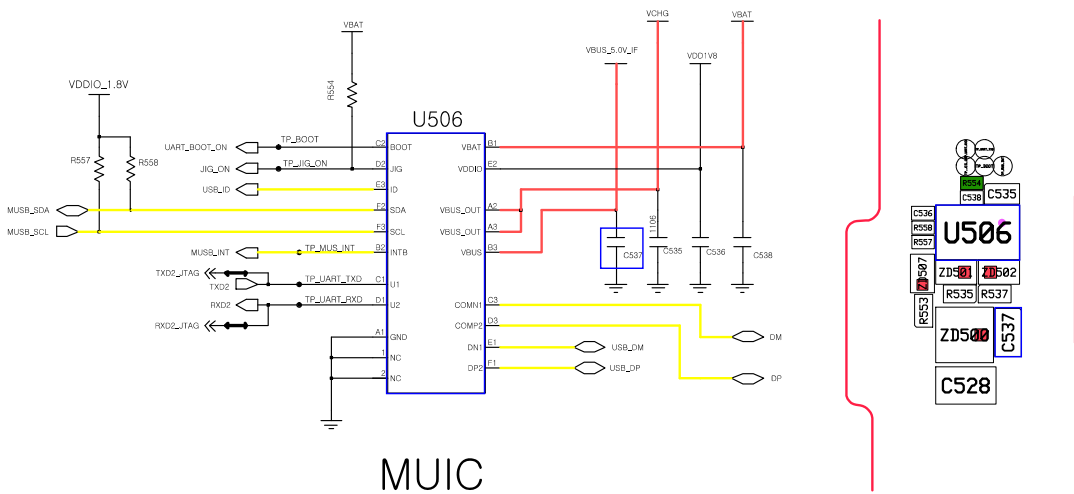
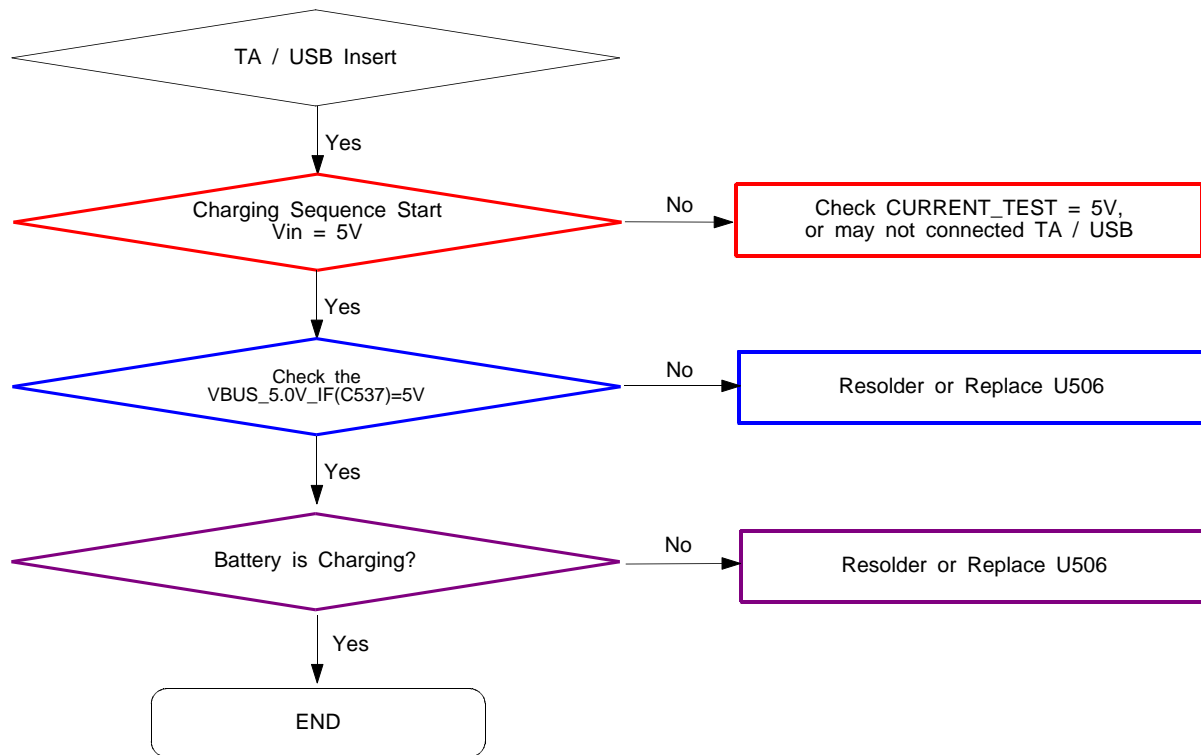


8-3-2. Initial (Lock up)

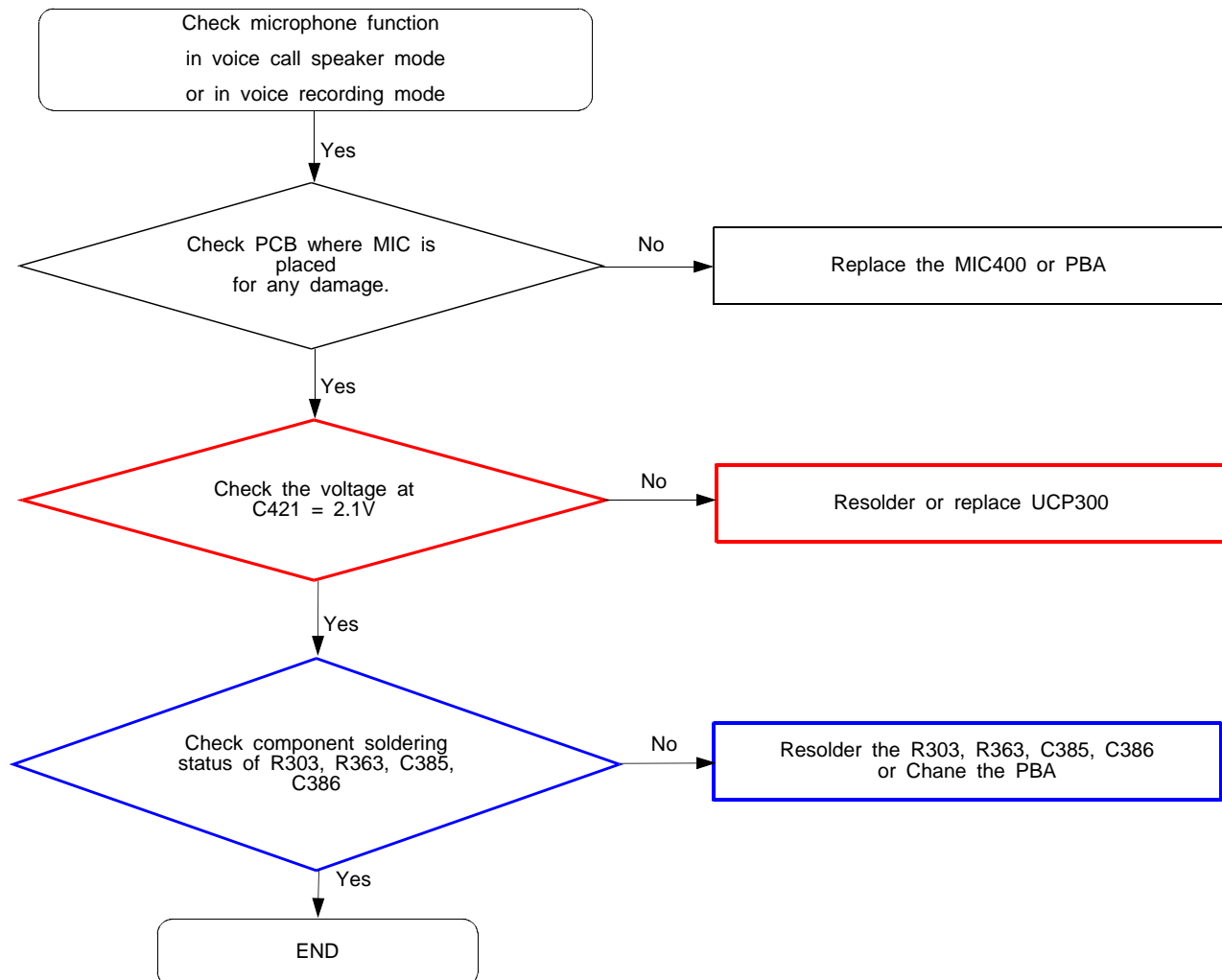


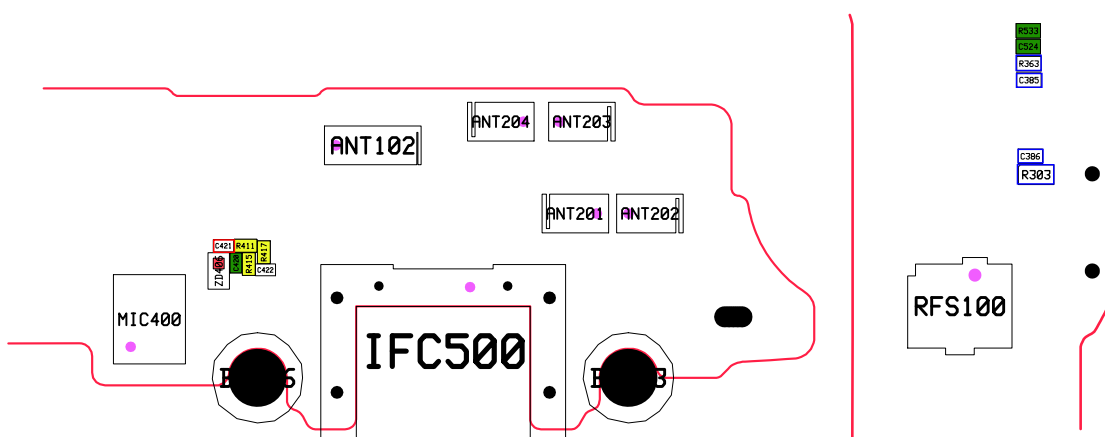
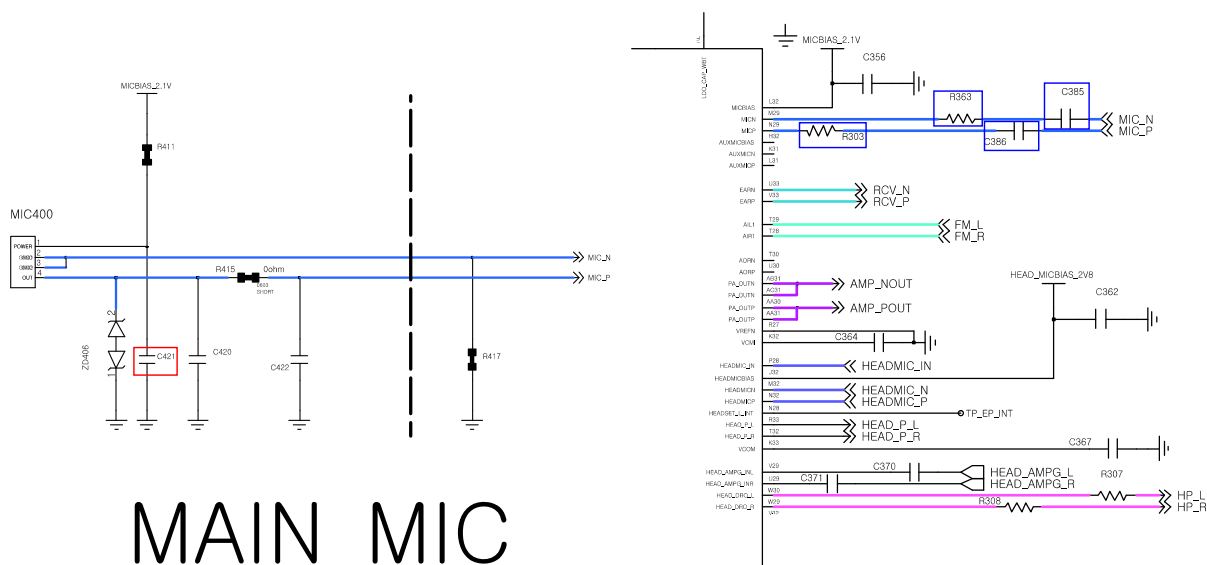


8-3-3. Charging Part

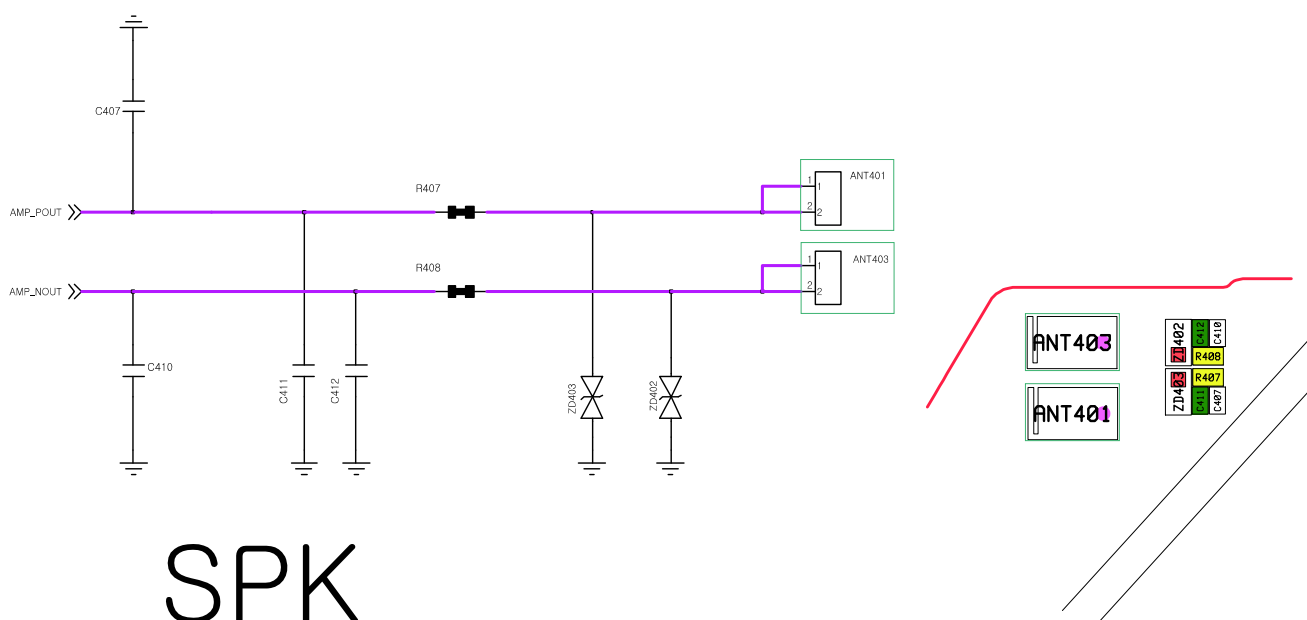
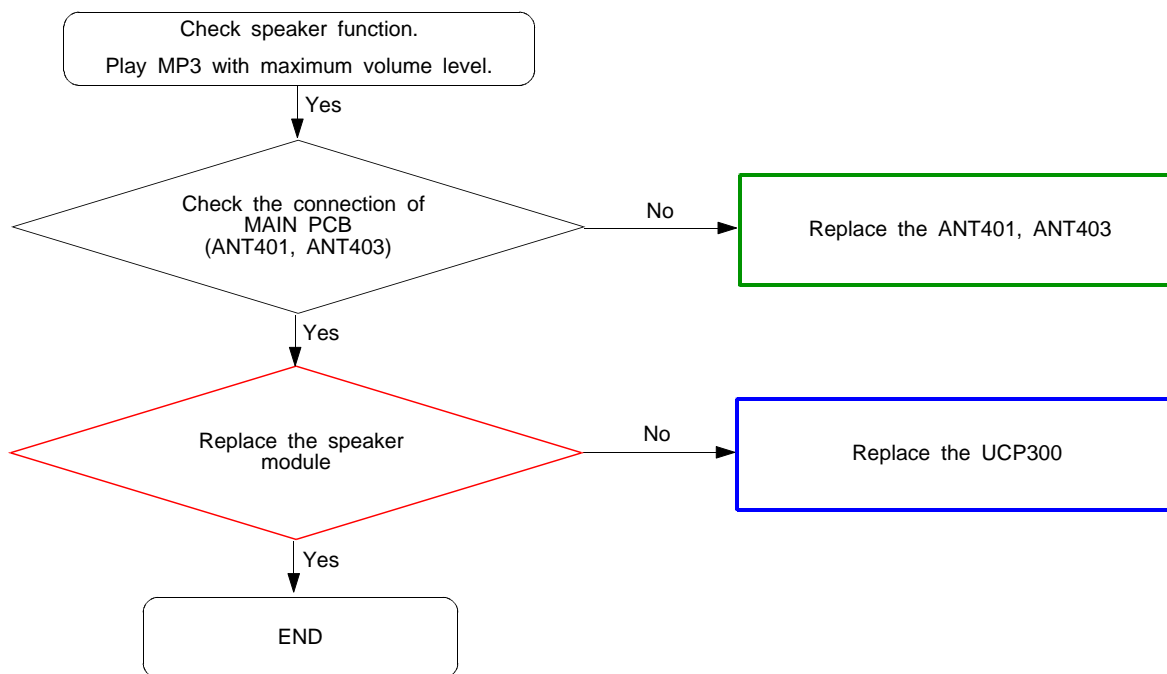


8-3-4. Microphone Part

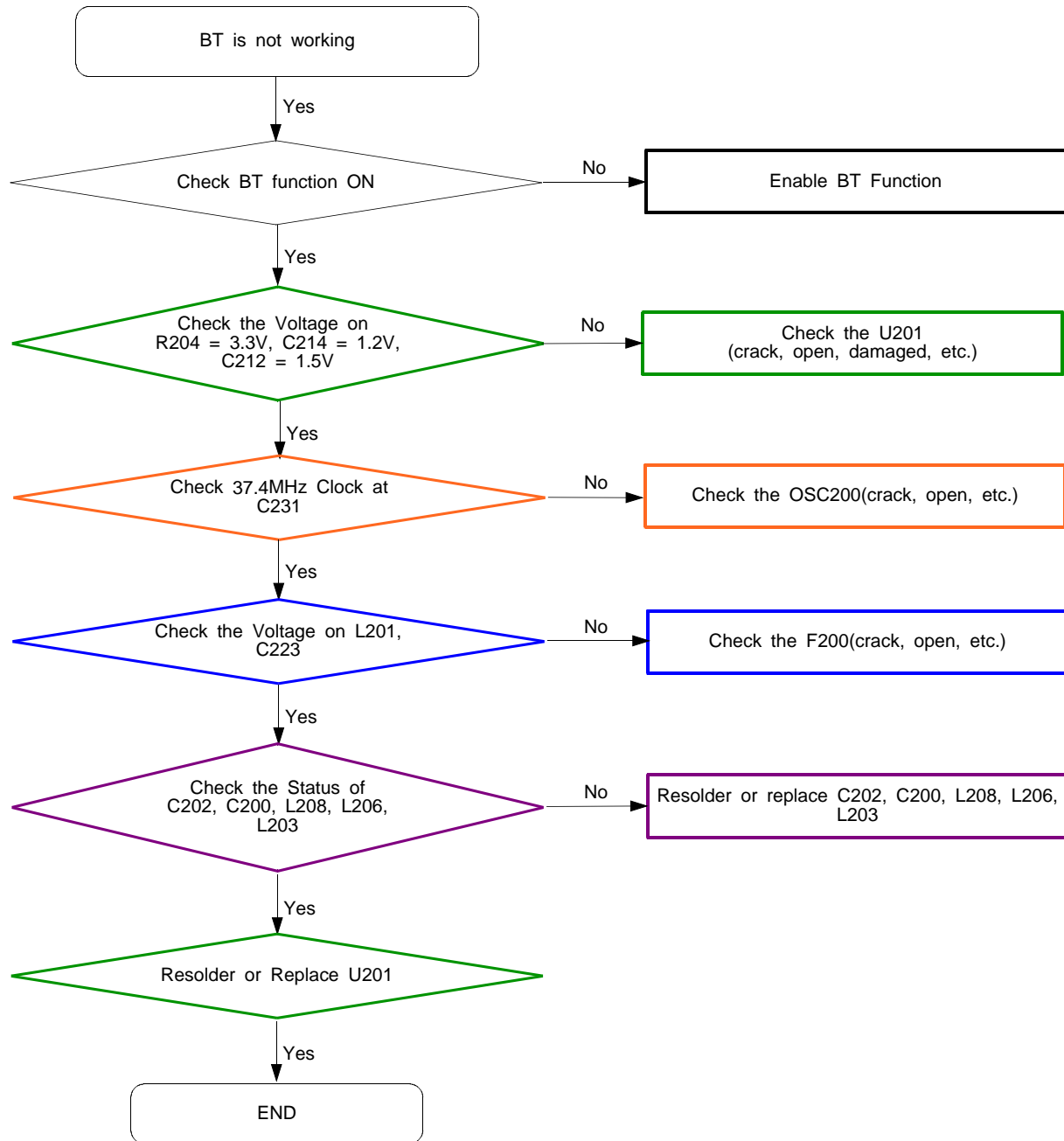




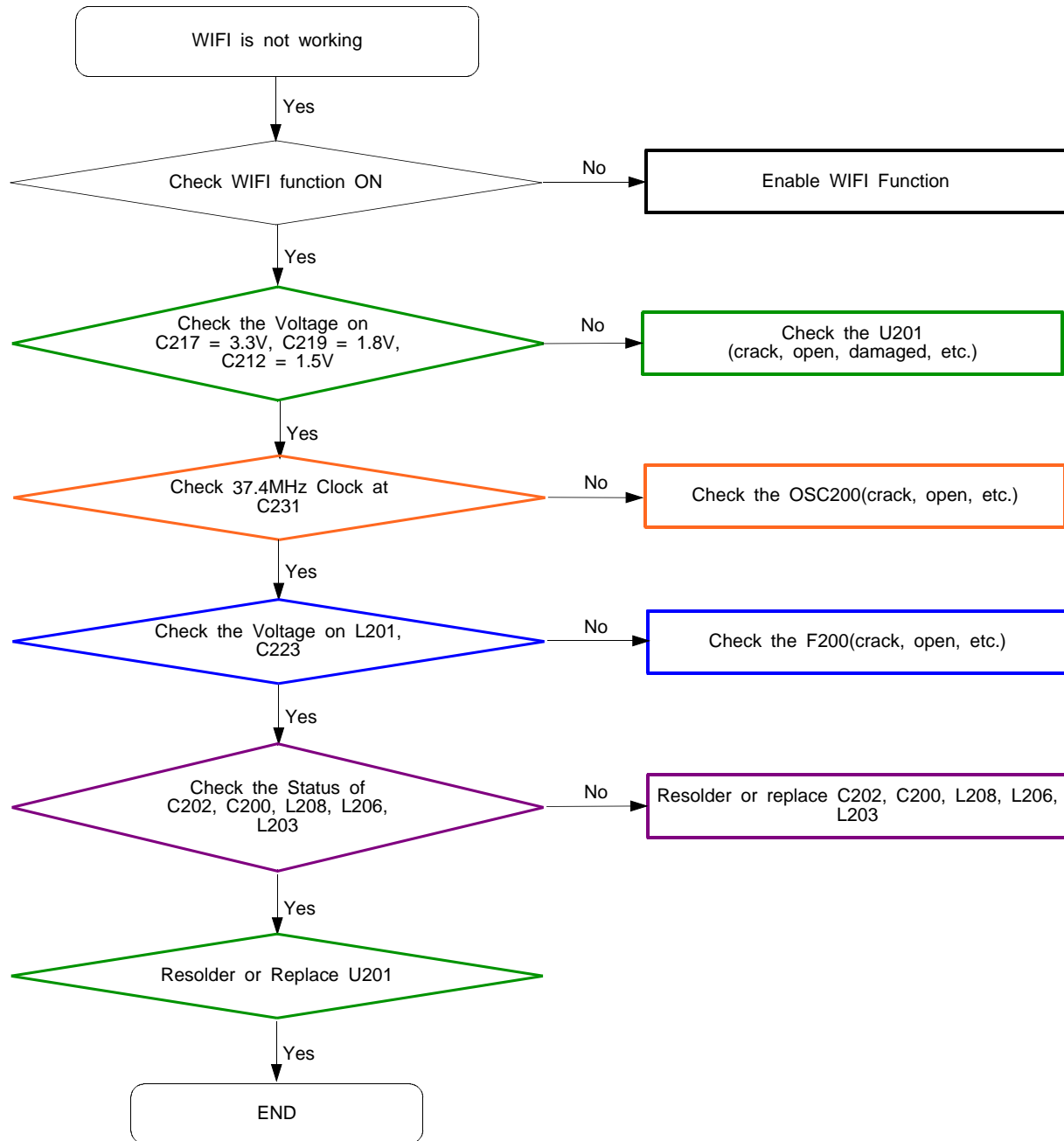
8-3-5. Speaker Part

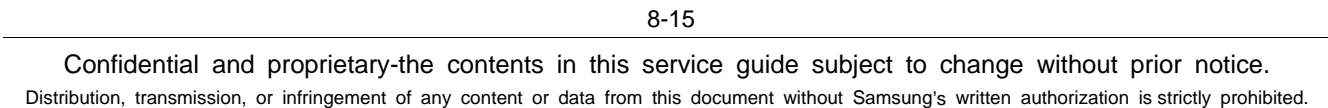


8-3-6. BT Part

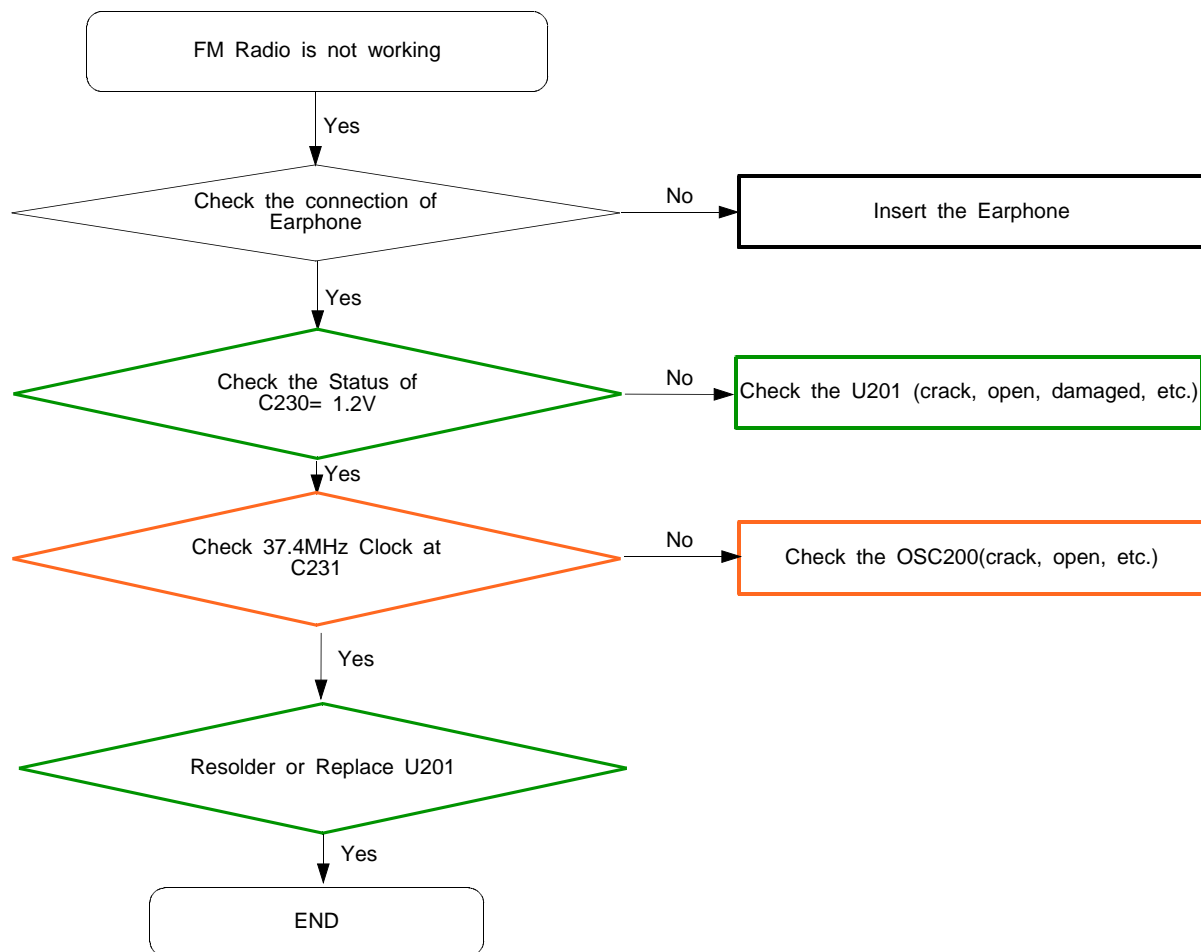


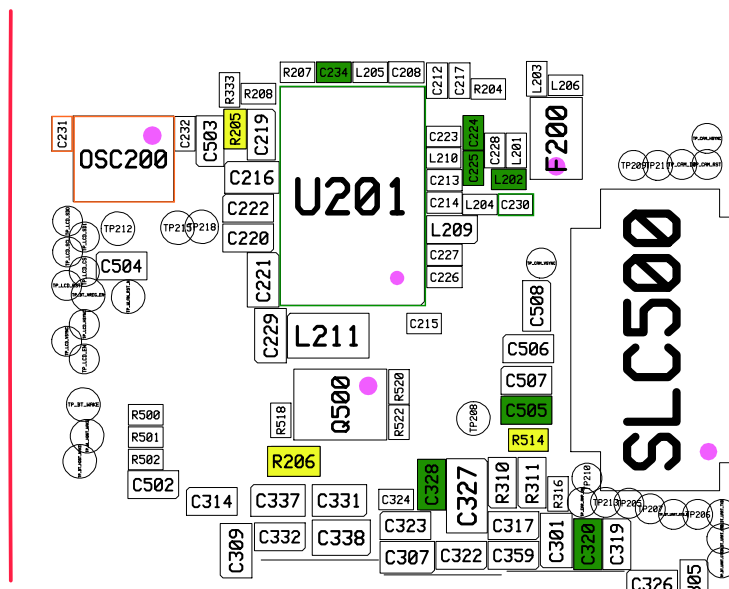
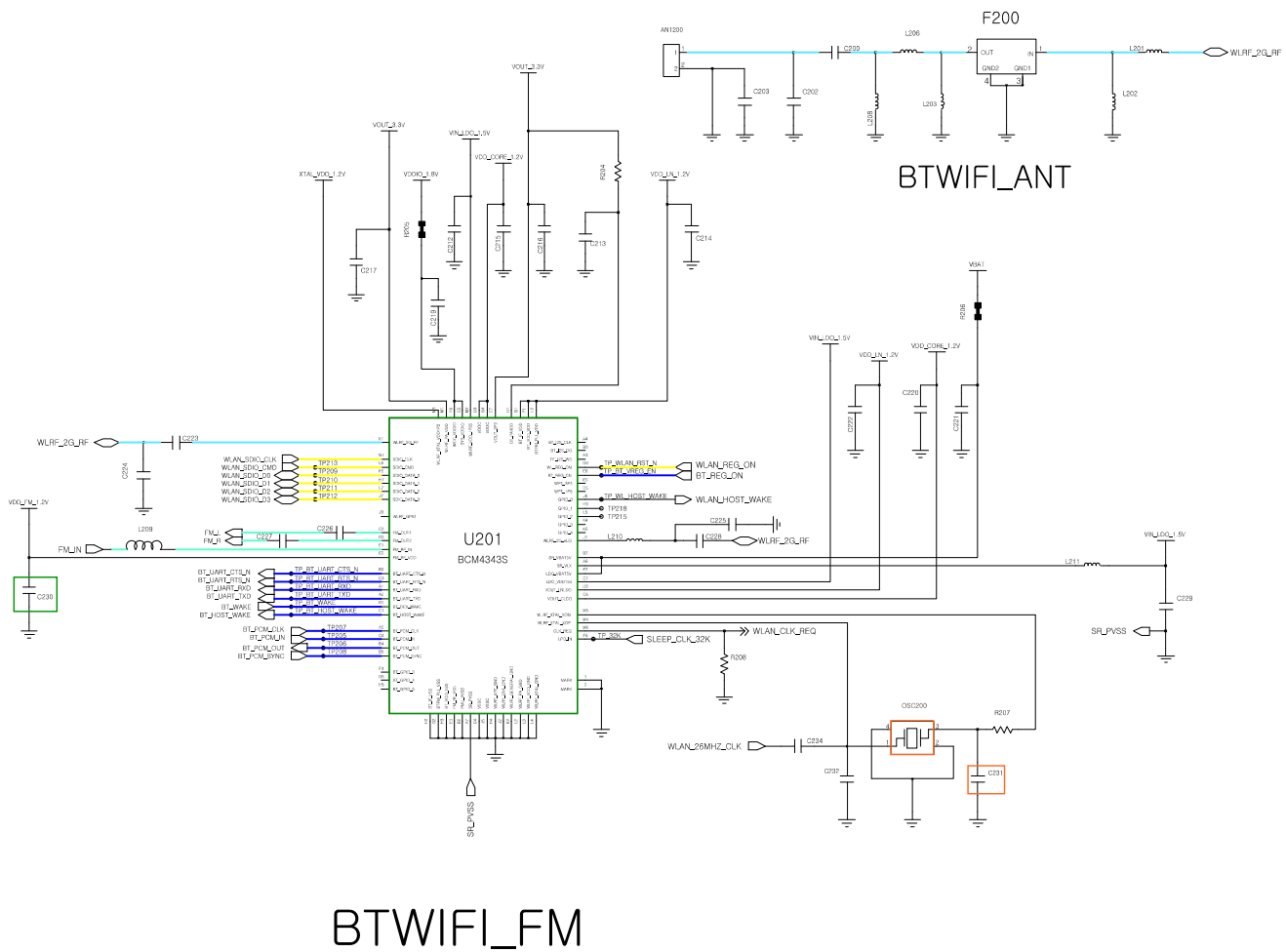
8-3-7. WIFI Part



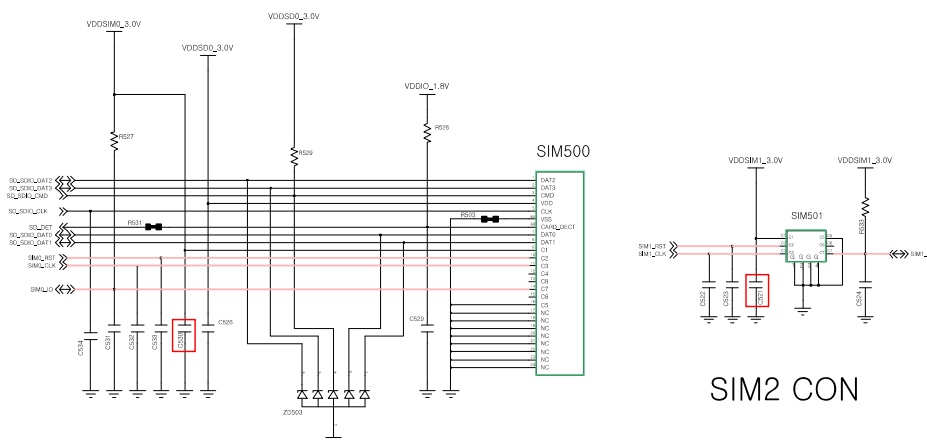
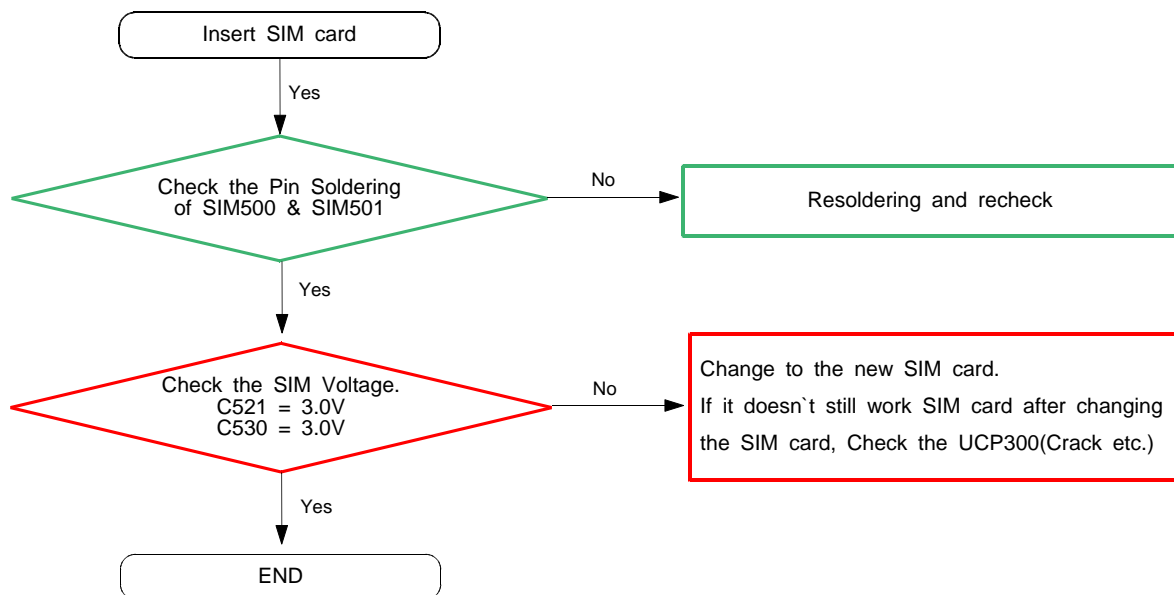


8-3-8. FM Part

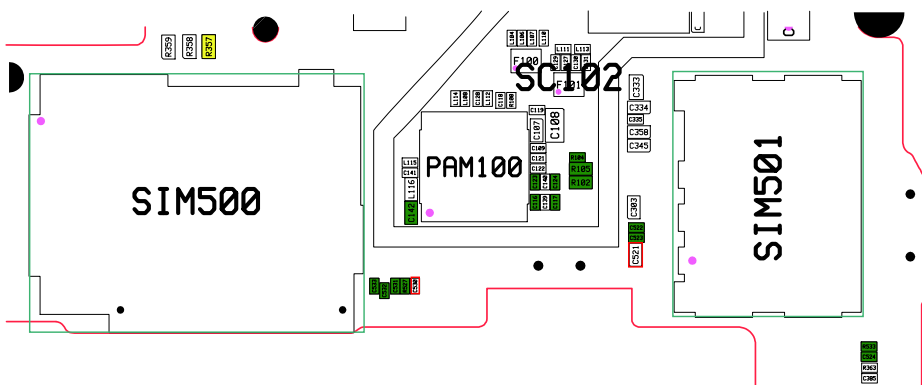




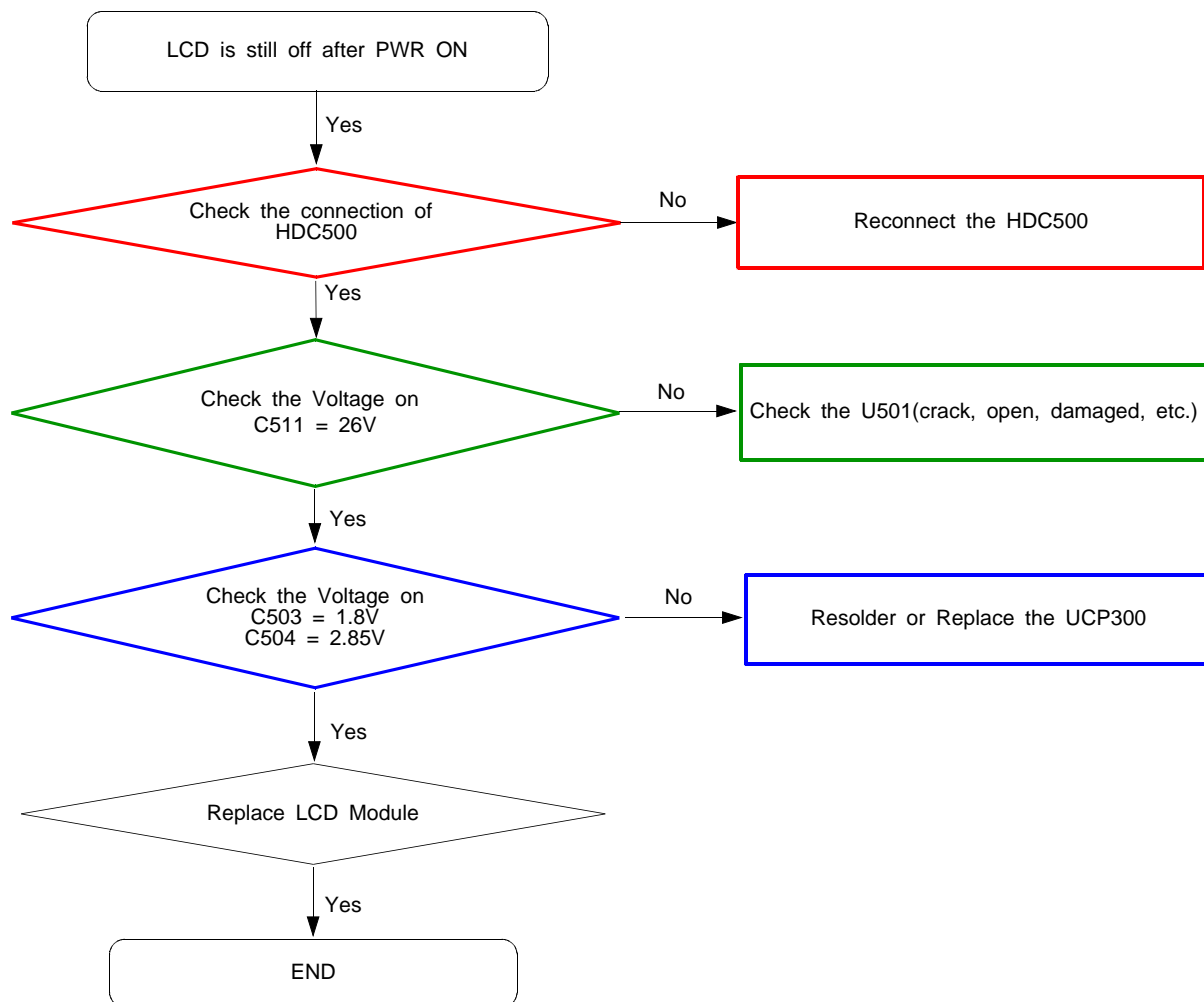
8-3-9. SIM Part

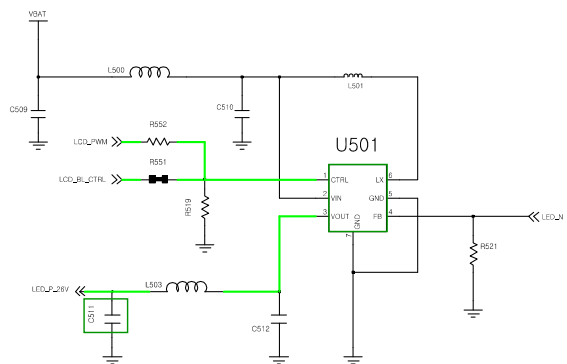


SD & SIM 1 CON

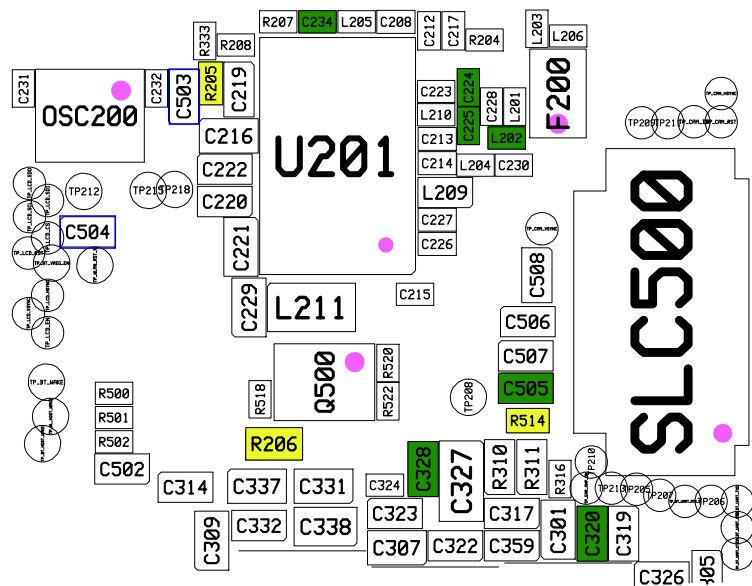


8-3-10. LCD

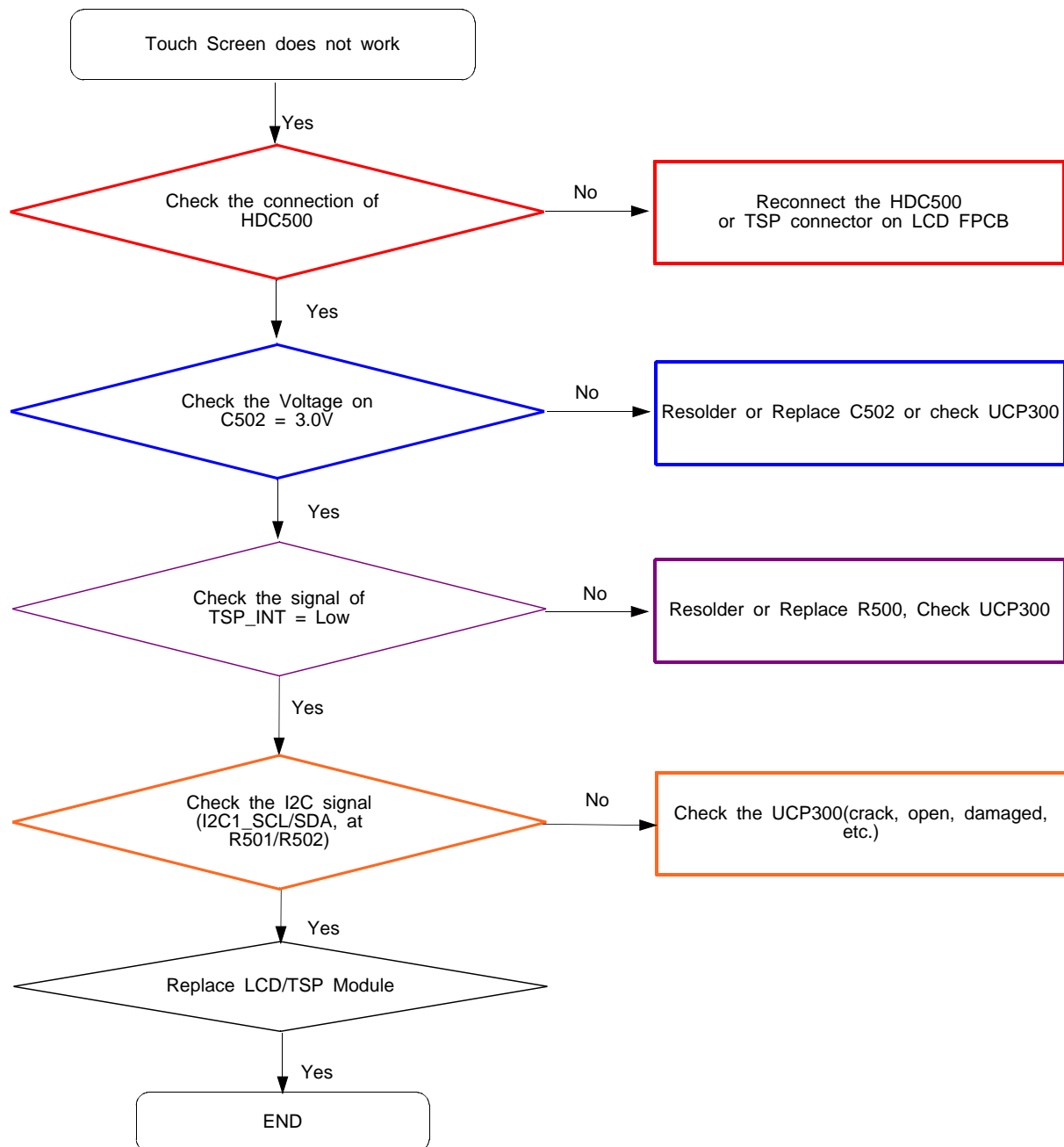


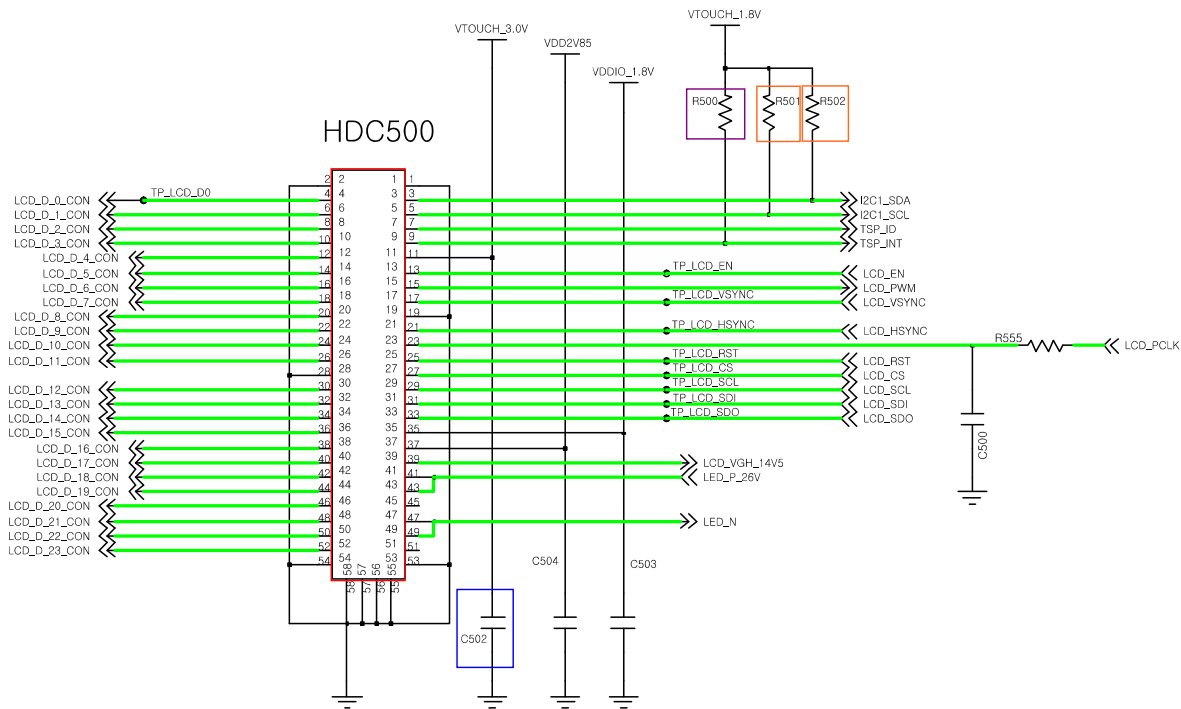


LCD BL IC

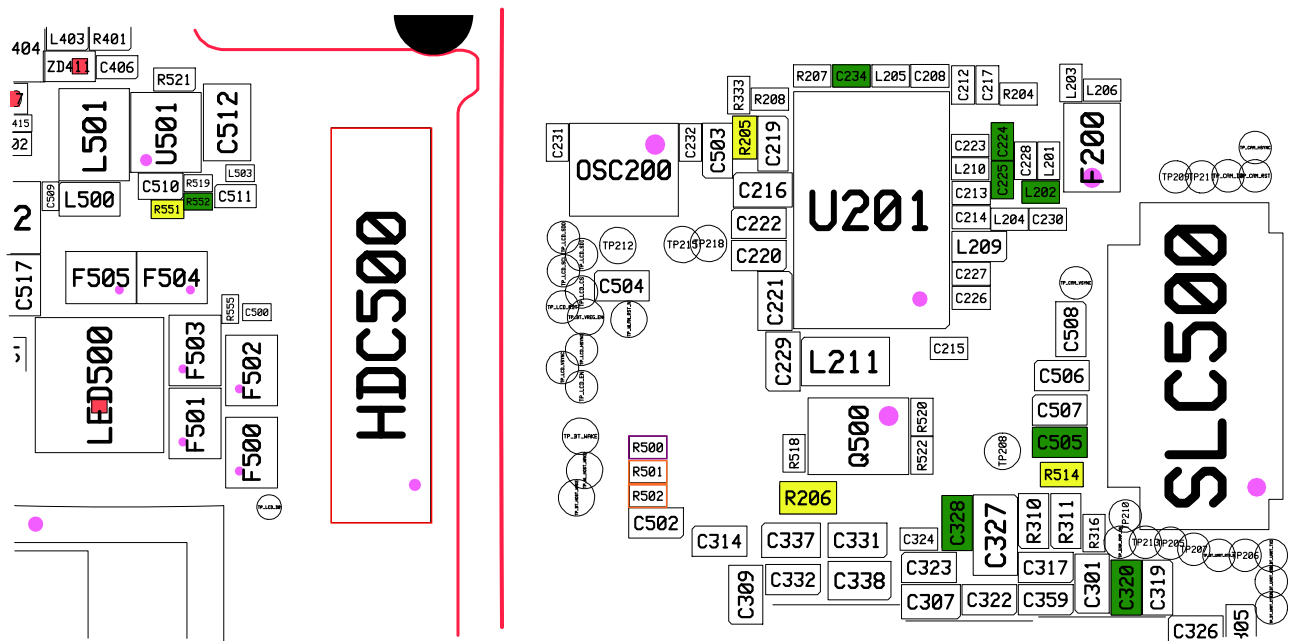


8-3-11. TSP

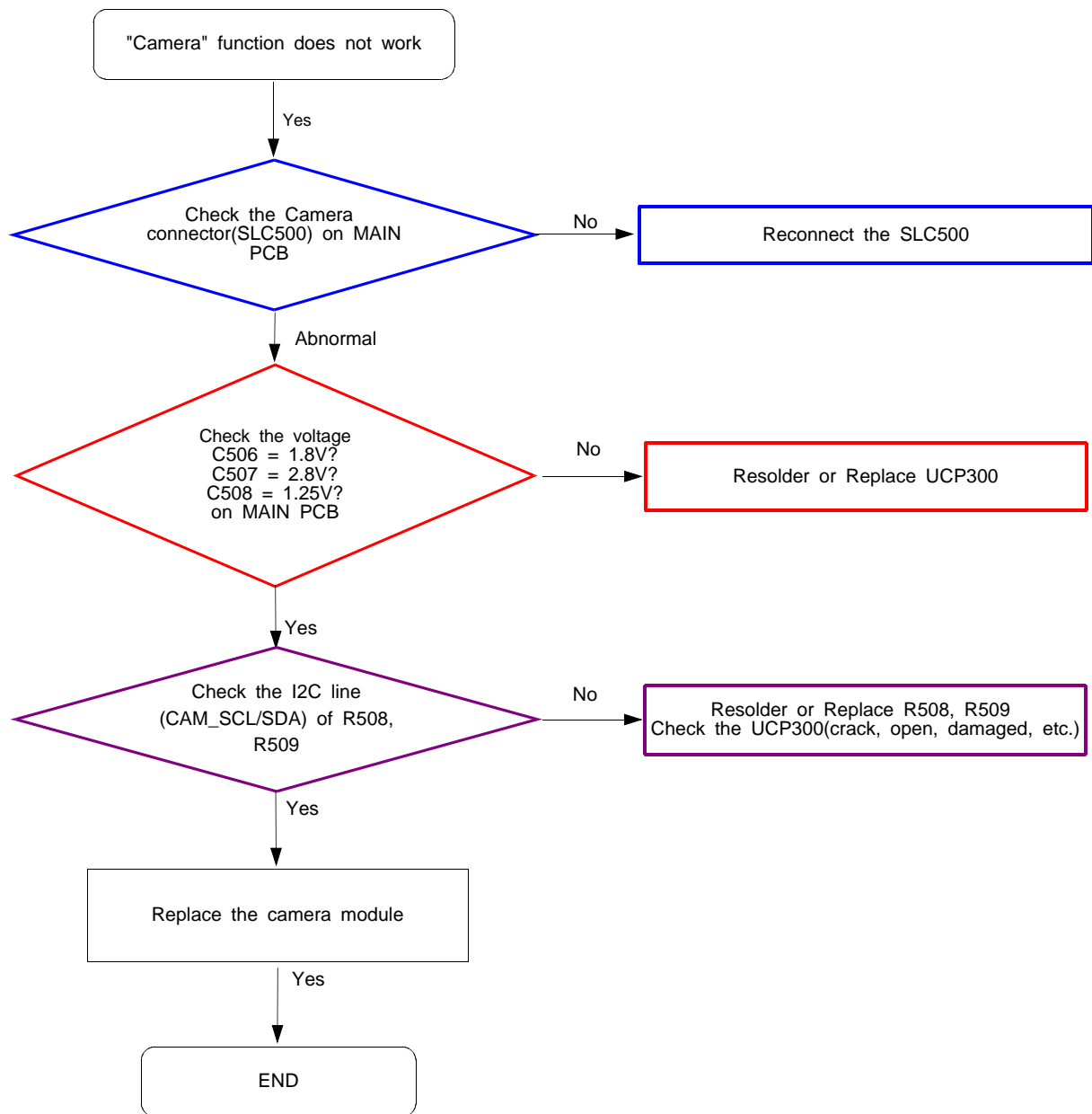


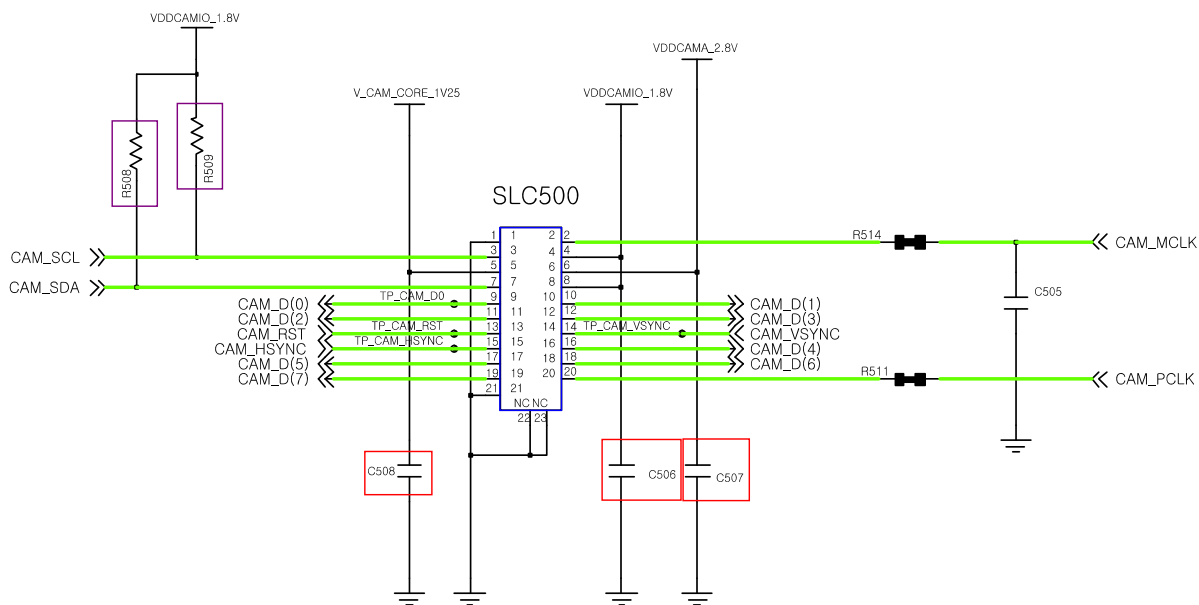


4.3" WVGA LCD CON

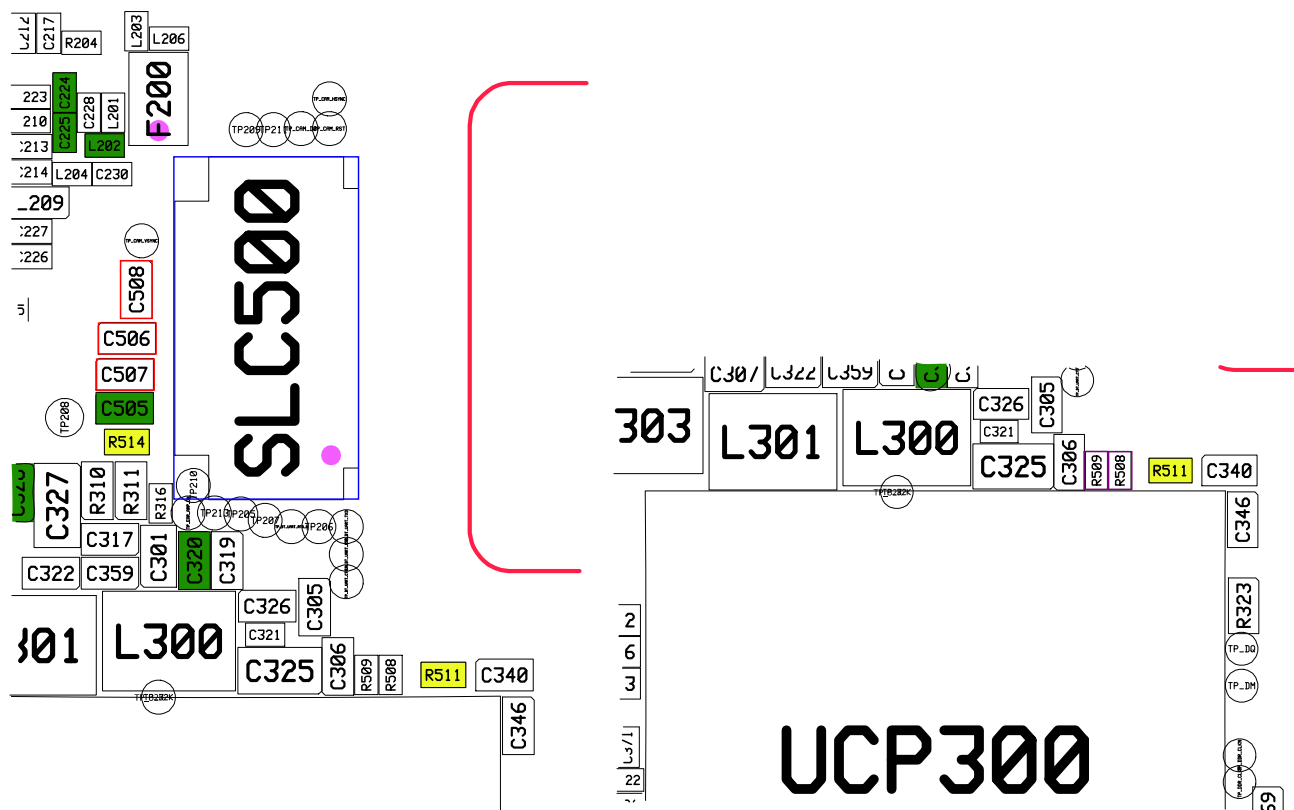


8-3-12. 3.0M CAM

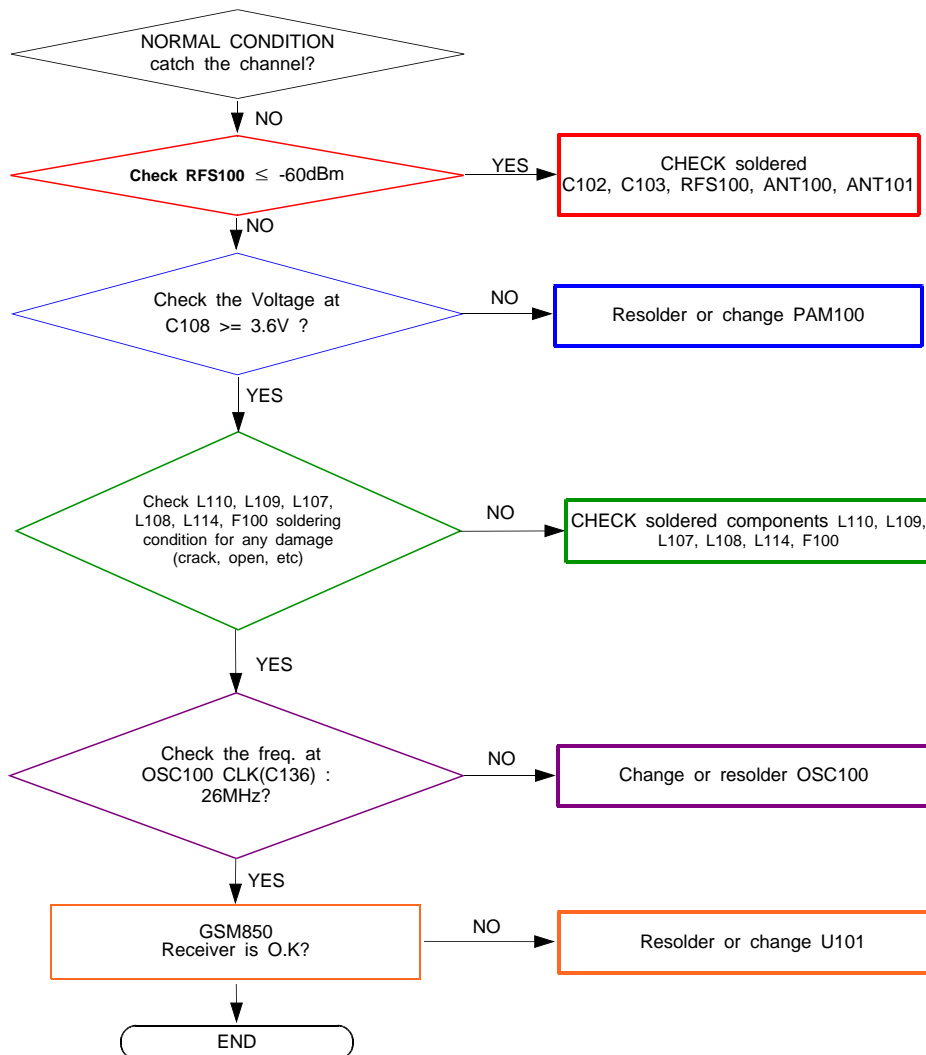




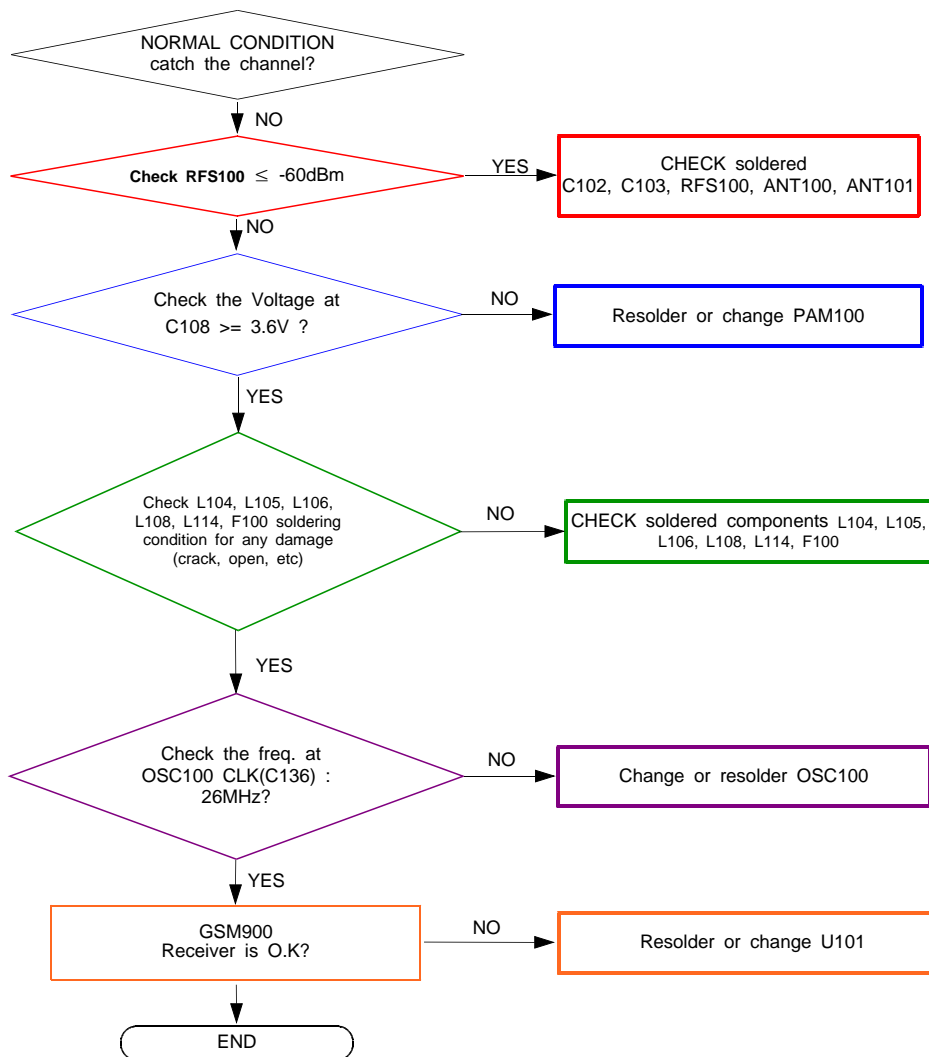
3M CAM CON



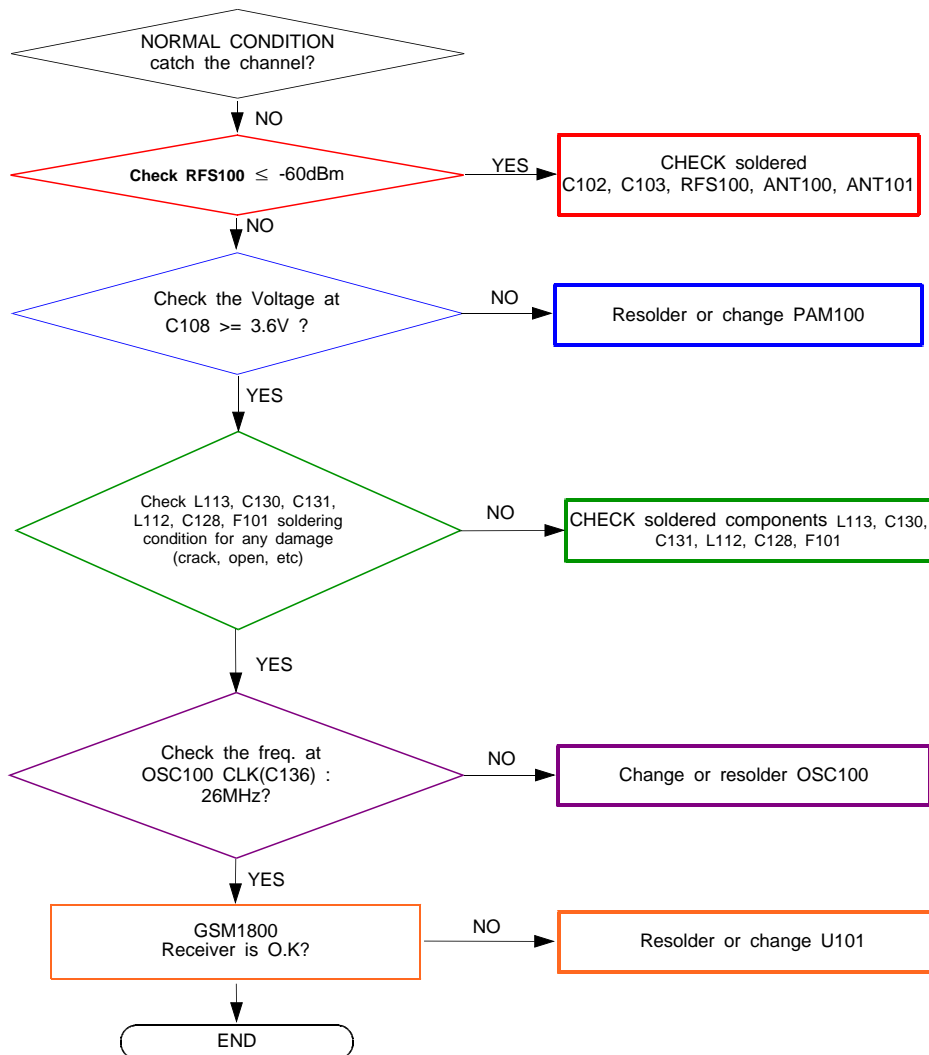
8-3-13. GSM850 RX



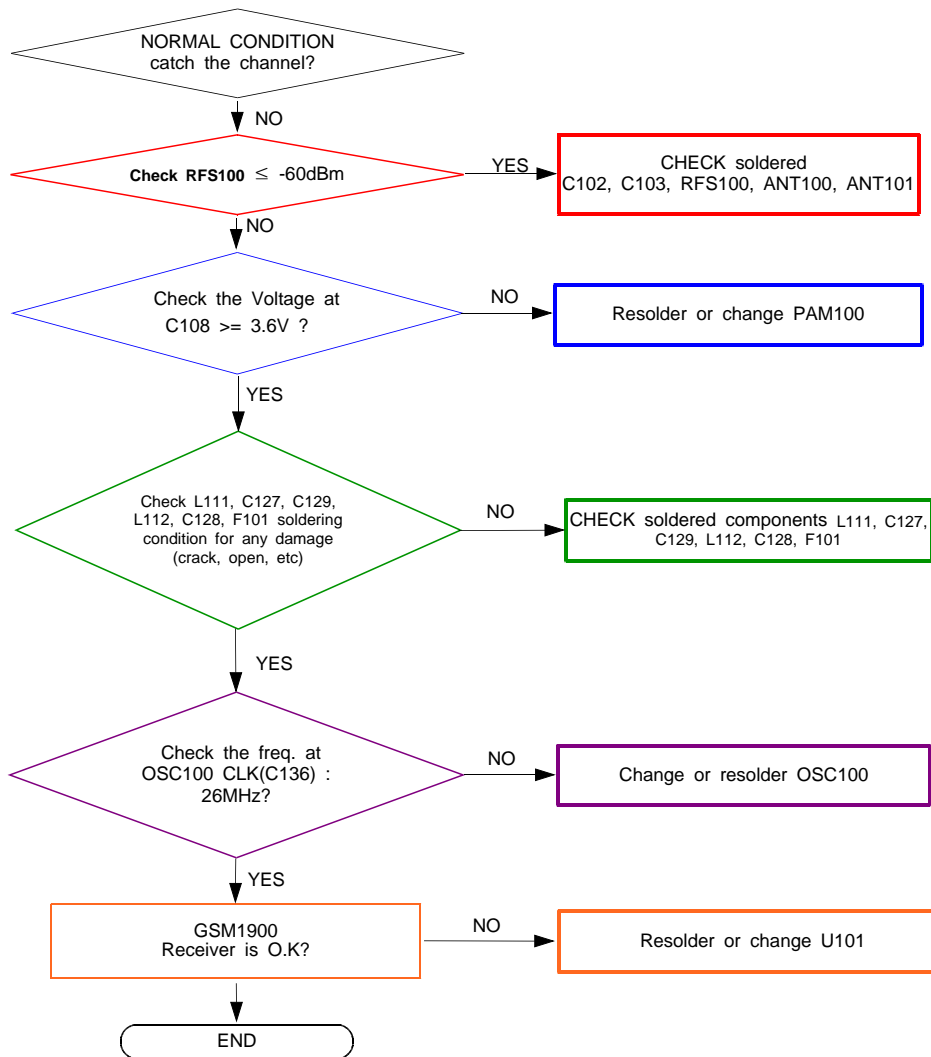
8-3-14. GSM900 RX



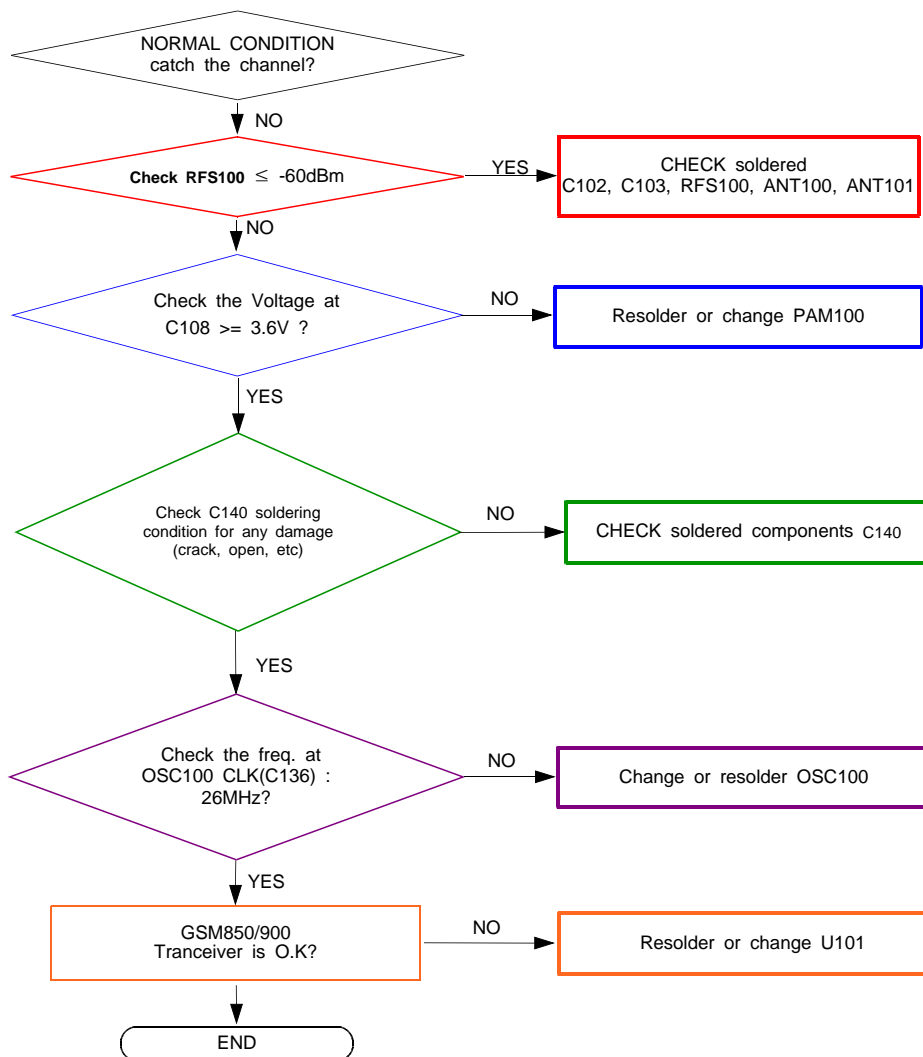
8-3-15. GSM1800 RX



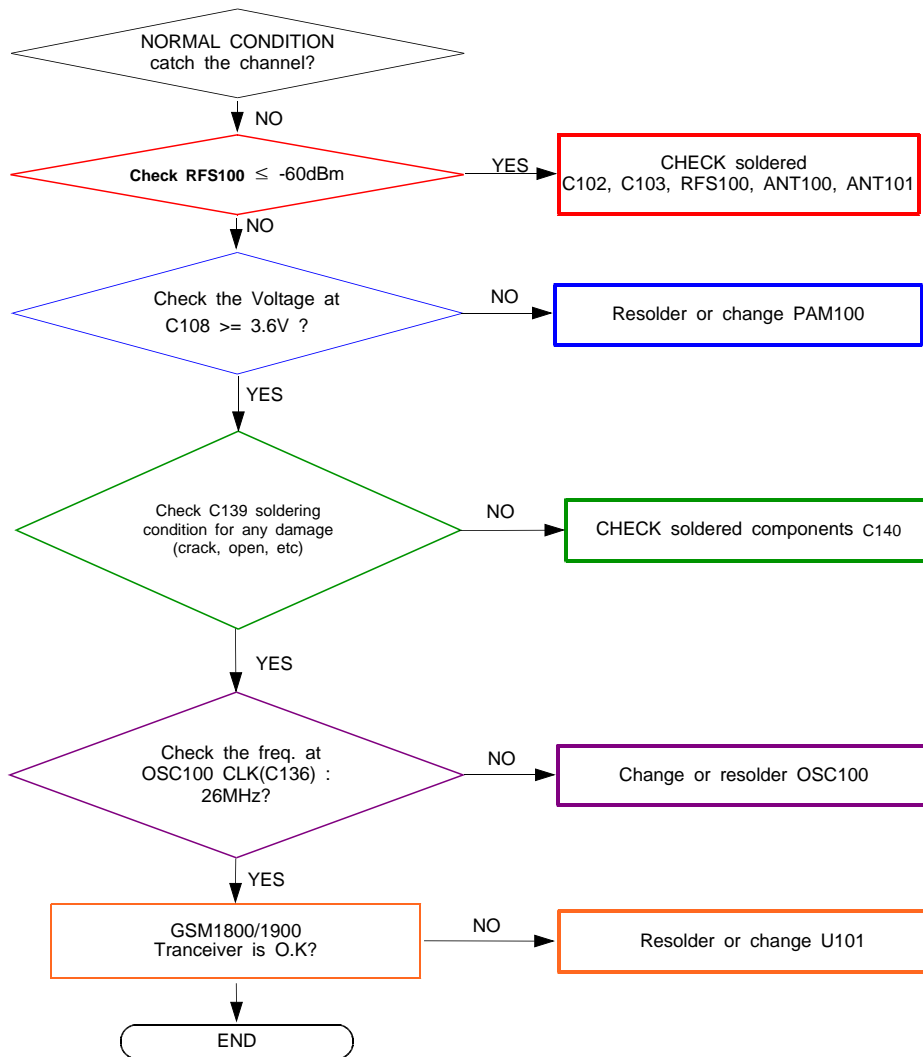
8-3-16. GSM1900 RX

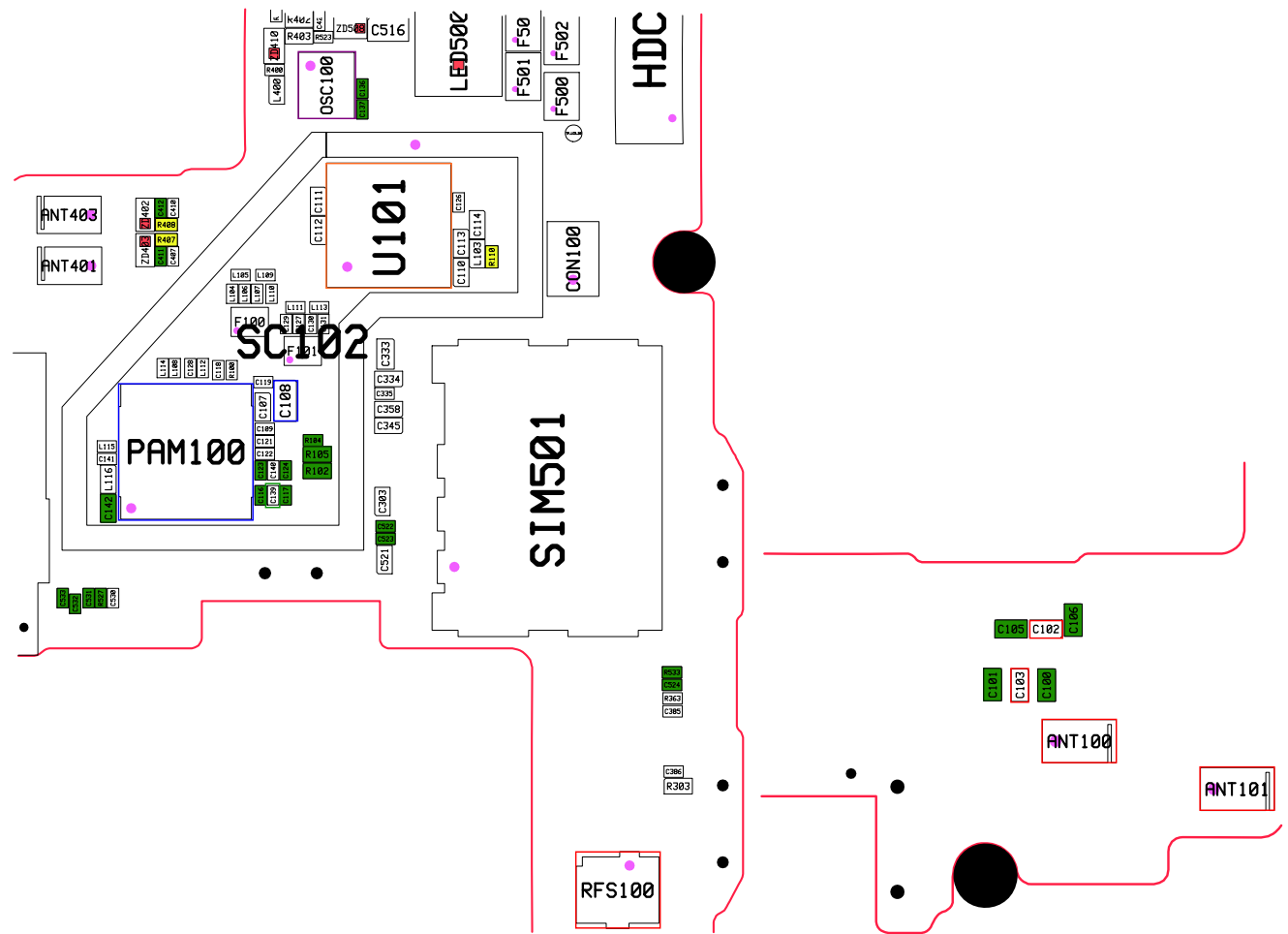
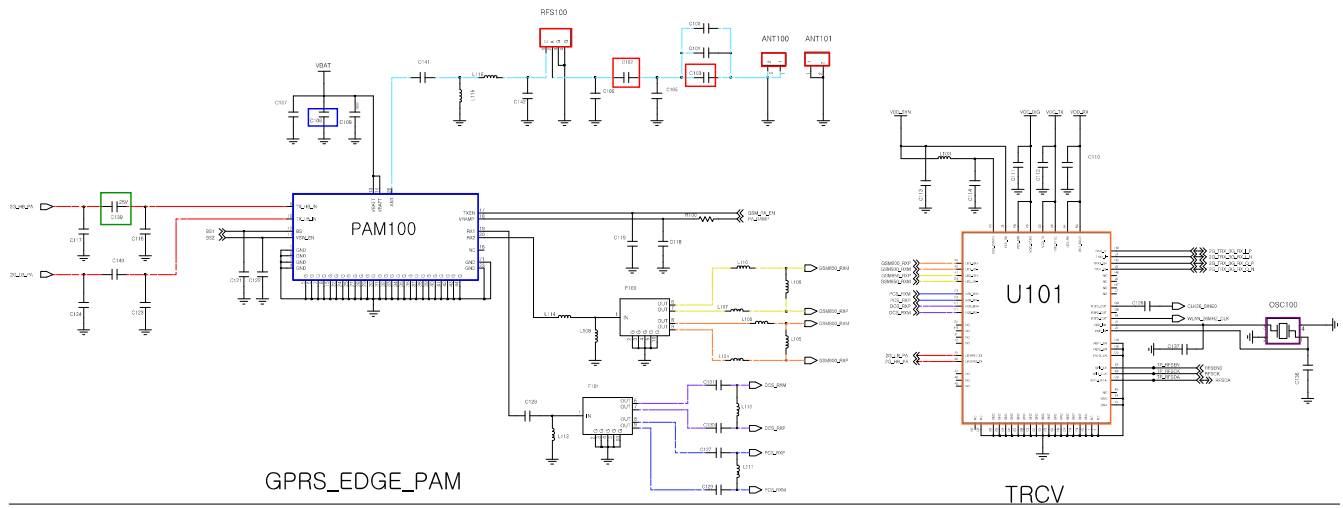


8-3-17. GSM850/GSM900 TX



8-3-18. GSM1800 / GSM1900 TX





8-4. Service Schematics

UCP300

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
A	YSSQ	YSSQ	END[31]		NFREN	NFD[6]		NFREN	NFD[3]		LCD_CS0	LCD_W0		LCD_D[6]	LCD_D[10]		LCD_D[10]	SPI2_CS	TRACEDAT[1]	RFSDAO		OP_RPCTL[2]	OP_RPCTL[14]		APCOUTL1_T6	WQ_WT0			YTR	PLAS_S0	NC	NC	
B	YSSQ	YSSQ	END[26]	NFREN	NFD[7]	NFD[10]	NFD[11]	NFREN	NFD[8]	NFD[12]	NFD[15]	LCD_R0	LCD_D[3]	LCD_D[7]	LCD_D[9]	LCD_D[16]	LCD_D[21]	SPI2_D0	TRACEDAT[4]	RFSCKO	RFSNO	OP_RPCTL[0]	OP_RPCTL[7]	OP_RPCTL[8]	APCOUTL1_T6	WQ_WT0	VTP_WT0	VTA_WT0	DRIVER_2_FT	64TLD_B1/VBP	64TLD_B2/VSN	NC	
C	END[26]	END[25]	END[25]	NFREN			NFD[14]	NFD[0]			LCD_CS0	LCD_D[0]			LCD_D[12]	LCD_D[19]		TRACEDAT[5]	TRACEDAT[5]			OP_RPCTL[3]	OP_RPCTL[19]		VTA_WT0	YSSQ	APLED	WTLER_1_B0/VBP	WTLER_1_B3/SB	WTLER_1_B3/SB	OPT1002		
D			END[25]	NFREN		NFD[5]	NFREN	NFD[11]		NFD[9]	LCD_CS0	LCD_D[4]		LCD_D[8]	LCD_D[13]	LCD_D[16]		SPI2_D1	TRACEDAT[6]	TRACEDAT[6]		OP_RPCTL[6]	OP_RPCTL[11]	OP_RPCTL[11]	WQ_WT0	YSSQ	CLAZDR_S	CLAZDR_S	OPT1003	VRATOR	VR32R	VR32R	
E	END[27]	END[20]	END[28]		NFREN	NFD[4]	NF1_1	NF1_2	NFD[2]	NFD[13]	LCD_CS	LCD_D[11]	LCD_D[15]		LCD_D[14]	LCD_D[18]	LCD_D[22]	SPI2_CLK	TRACEDAT[13]	TRACEDAT[13]	OP_RPCTL[13]	OP_RPCTL[15]	OP_RPCTL[15]	OP_RPCTL[15]	WQ_WT0	WQ_WT0	CLAZDR_S	CLAZDR_S	OPT1004	OPT1001	VRATOR		
F	END[15]	END[24]	END[24]	YSSQ							VLCD	LCD_P0	LCD_D[2]		LCD_D[17]	LCD_D[23]		TRACEDAT[2]	OP_RPCTL[11]	OP_RPCTL[10]	VTA_2	ATL_EX							ABCT1	ABCT2	EXTRSTY	VR20R	
G		END[14]	END[14]																														
H	END[13]			END[12]	END[12]	YSSQ																											
J	END[11]	END[8]	END[12]	END[12]	YSSQ	YSSQ																											
K	END[10]	END[9]																															
L	END[10]	END[9]																															
M	END[10]	END[9]																															
N	END[10]	END[9]																															
P	END[10]	END[9]																															
R	END[10]	END[9]																															
T	END[10]	END[9]																															
U	END[10]	END[9]																															
V	END[10]	END[9]																															
W	END[10]	END[9]																															
Y	END[10]	END[9]																															
AA	END[10]	END[9]																															
AB	END[10]	END[9]																															
AC	END[10]	END[9]																															
AD	END[10]	END[9]																															
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AG	END[10]	END[9]																															
AH	END[10]	END[9]																															
AJ	END[10]	END[9]																															
AK	END[10]	END[9]																															