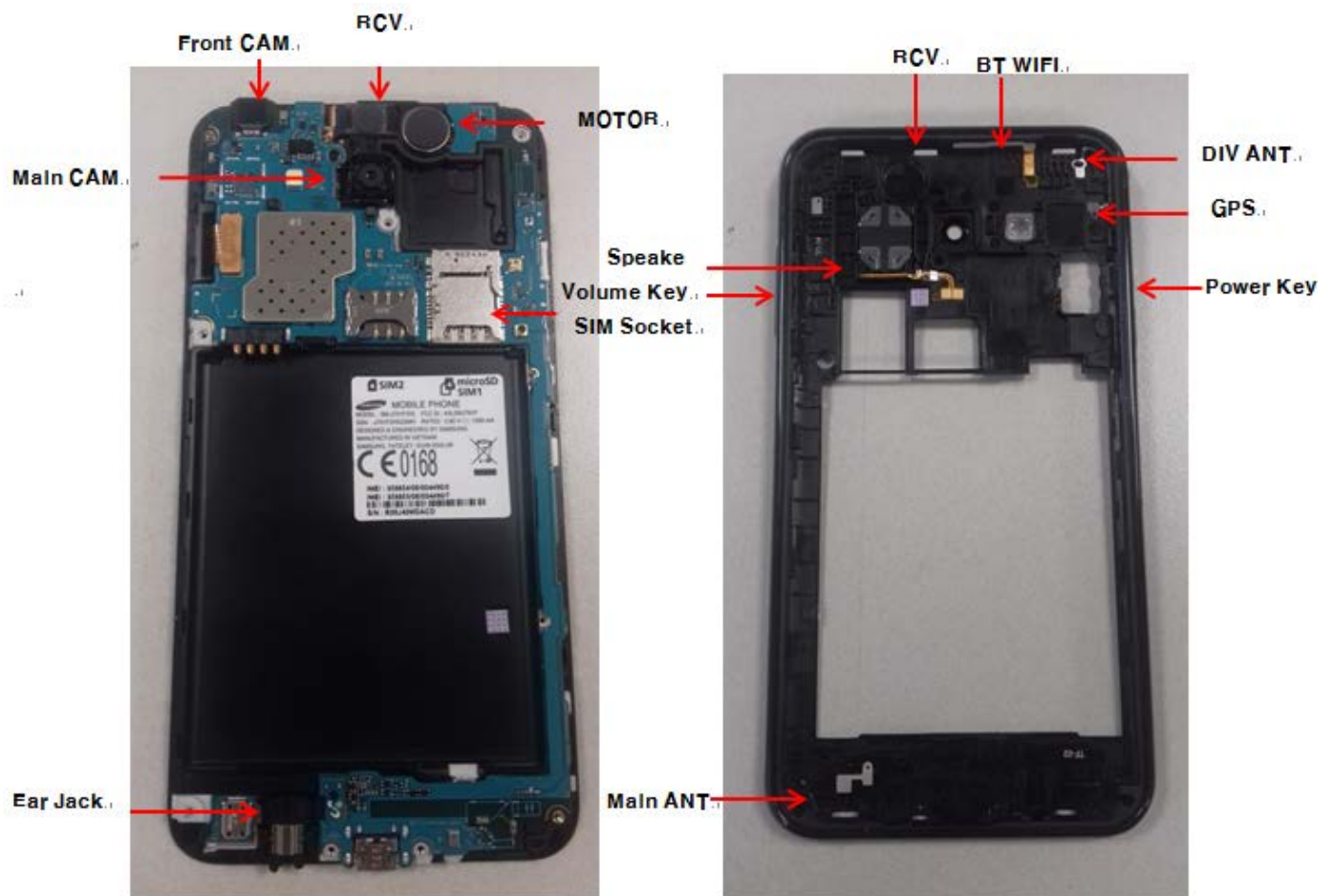


7. Level 2 Repair

7-1. Components on the Rear Case

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7. Level 2 Repair

7-2. Pre-requisite

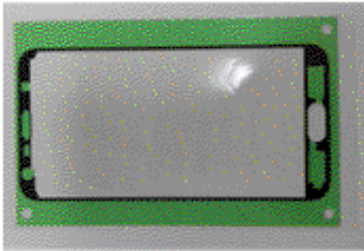
	
Tweezers / Disass'y Stick / Screw Driver	Anti-static Gloves
	
Anti-static Mat	Hot Plate
	
A OCTA Disassembly Holder	OCTA Disassembly Upper
	
Ethyl Alcohol	Cotton Swab

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7. Level 2 Repair

7-3. Parts which must be changed after repair

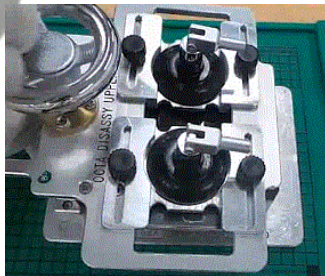
BOM Description & part code	Image	Remarks
Main Window Tape [GH81-13061A]		Whenever the device is disassembled and reassembled
Touch Key Top Tape [GH81-13109A]		
CU sheet+SCF TAPE [GH81-13096A]		

7. Level 2 Repair

7-4. Disassembly

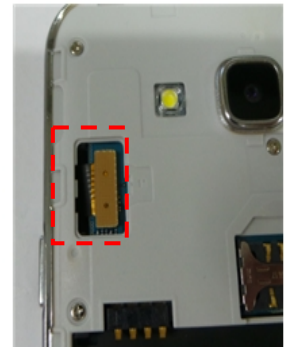
1

1. Put the device in the chamber or hot plate as following below heating condition
 - SOC 68%↓: 70℃/10~20min
 - SOC 68%↑: 60℃/10~20min※ Please confirm the heating condition released lastly, and follow it.



2

1. Lift LCD and disassemble FPCB Conn Cover
2. Detach LCD Connector and disassemble LCD.



※ Caution

※ Caution

3

Separate the LCD connector from the PBA



4

Remove all residue.



※ Caution

※ Caution

7. Level 2 Repair

5

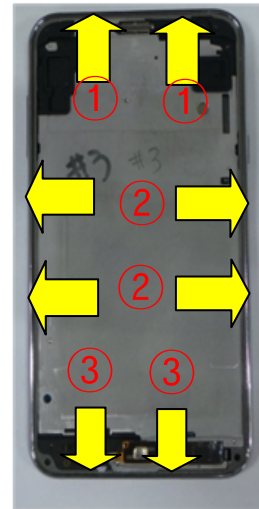
Unscrew 10 points on the Rear



※ Caution

6

Disassemble Menu key FPCB and Touch key FPCB from the Bracket.



※ Caution

7

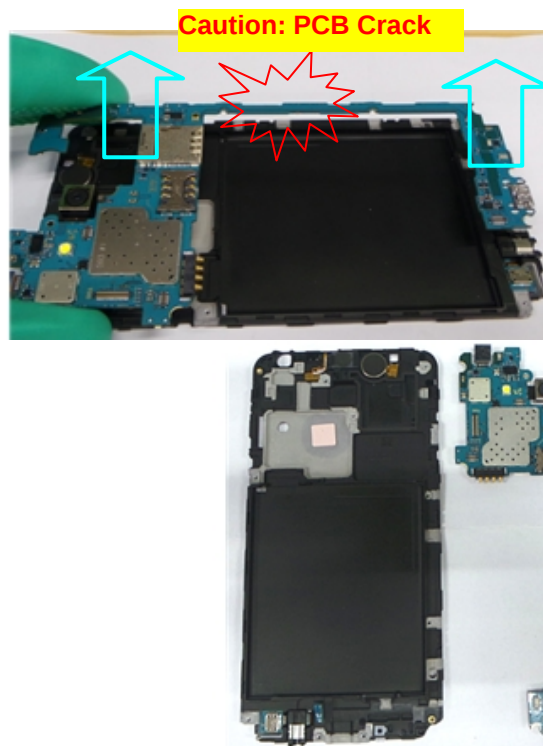
1. Unscrew 1 point on the main PBA
2. Separate Earjack connector



※ Caution

8

Remove vertically lifting the PBA



※ Caution

7. Level 2 Repair

7-5. Assembly

1

1. Assemble Main PBA on Bracket
2. Assemble the earjack connector
3. Screw 1 point on the main PBA
[torque : 1.1]



2

1. The earjack insert part from the Rear.
2. Assemble Bracket on the Rear case.
(Bottom → Left&Right → Top)



※ Caution

1) Be careful to the assembly line.

※ Caution

1) Be careful to the assembly line.

3

screw 10 points on the Rear [torque : 1.25]



4

Attach OCTA form tape on the OCTA unit using OCTA form tape attaching JIG.



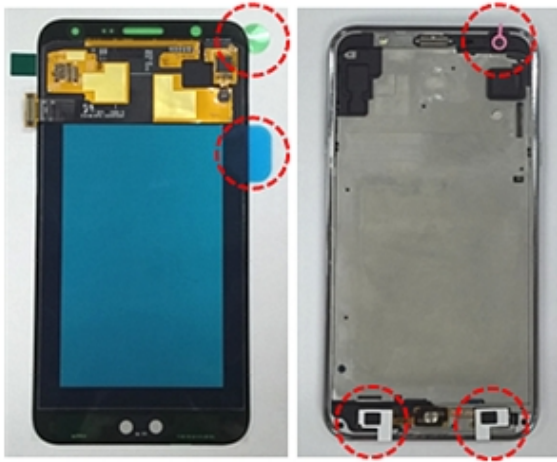
※ Caution

※ Caution

7. Level 2 Repair

5

Remove all vinyl from Bracket, Touch key and Front Camera and OCTA outside.



※ Caution

6

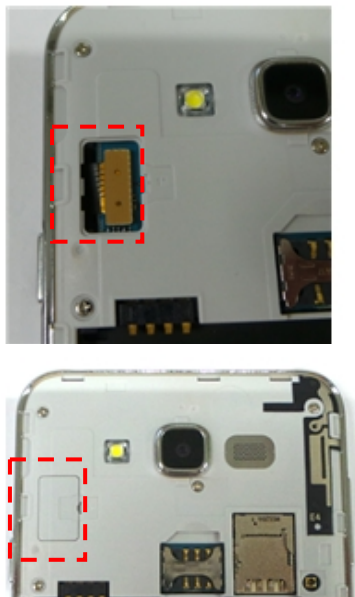
Assemble SPK to the REAR.



※ Caution

7

Assemble the LCD connector and LCD Connector cover



※ Caution

8

Press OCTA Window using Window pressing JIG.
- Force : 1N
- Time : 1minute
※ Please confirm the pressing condition released lastly, and follow it



※ Caution

5. MAIN Electrical Parts List

Part Code	Design Loc	Description
0401-001110	D5001	DIODE-SWITCHING
0406-001459	ZD5009,ZD5010	DIODE-TVS
0406-001506	ZD6013	DIODE-TVS
0406-001592	ZD4006,ZD5001,ZD5012	DIODE-TVS
0406-001640	ZD4004,ZD4005	DIODE-TVS
0406-001709	ZD5003,ZD5007	DIODE-TVS
0406-001728	ZD2001,ZD4001,ZD4003	DIODE-TVS
0406-001762	ZD6007,ZD6008,ZD6009	DIODE-TVS
0406-001762	ZD6010,ZD6011,ZD6012	DIODE-TVS
0406-001763	ZD6001,ZD6002,ZD6003	DIODE-TVS
0406-001763	ZD6004,ZD6005,ZD6006	DIODE-TVS
0406-001781	ZD5002,ZD5004,ZD5005	DIODE-TVS
0406-001781	ZD5006,ZD5008,ZD5011	DIODE-TVS
0601-003511	LED4001	LED
0601-003547	LED4002	LED
1001-001964	U1001,U1013	IC
1001-001999	U1014	IC
1107-002548	U4003	IC
1201-003786	U2002	IC
1201-003975	U1004	IC
1201-004036	U2005	IC
1201-004103	U1005	IC
1201-004129	U1002	IC
1203-008249	U6007	IC
1203-008395	U6005	IC
1203-008468	U4006	IC
1203-008527	U6004	IC
1203-008693	U1006	IC
1203-008767	U4004	IC
1203-008771	U5001	IC
1203-008859	U6002,U6003	IC
1203-008867	U6006	IC
1203-008951	U6008	IC
1203-008995	U4005	IC
1205-005220	U2001	IC
1205-005561	U1011	IC
1205-005565	UCP301	IC
1209-002275	U6010	IC

5. MAIN Electrical Parts List

1209-002335	U6012	IC
1404-001664	TH3001,TH3002	THERMISTOR
1404-001724	TH1001	THERMISTOR
1405-001406	VR6001,VR6002	VARISTOR
2007-002796	R5023,R5029	R-CHIP
2007-003015	R4029,R4030	R-CHIP
2007-007190	R5007,R5008	R-CHIP
2007-007592	R5004,R5005	R-CHIP
2007-007741	R3005,R3006,R3009	R-CHIP
2007-007741	R3010,R3039,R5025	R-CHIP
2007-007741	R5026,R5027,R6009	R-CHIP
2007-007798	R4032	R-CHIP
2007-007942	R3019,R5002	R-CHIP
2007-007946	R3020,R5038	R-CHIP
2007-008043	R1005	R-CHIP
2007-008045	R4027	R-CHIP
2007-008052	R3022,R3023	R-CHIP
2007-008055	R3007,R3008,R3029	R-CHIP
2007-008055	R5010,R6005	R-CHIP
2007-008056	R1002,R1003	R-CHIP
2007-008294	R5022	R-CHIP
2007-008419	R4007,R4021	R-CHIP
2007-008486	R5003	R-CHIP
2007-008516	R2006,R3036,R4001	R-CHIP
2007-008516	R6001	R-CHIP
2007-008531	R2004,R6008	R-CHIP
2007-008579	R2002	R-CHIP
2007-008588	R3024,R3025,R3026	R-CHIP
2007-008588	R3027,R3030,R3031	R-CHIP
2007-008588	R3032,R3033,R3037	R-CHIP
2007-008588	R3038,R6002	R-CHIP
2007-008785	R1001	R-CHIP
2007-008800	R3015,R3016,R3042	R-CHIP
2007-008800	R3045	R-CHIP
2007-008806	R1009,R1010	R-CHIP
2007-009111	R2003,R4003	R-CHIP
2007-009157	R1006,R3040,R3041	R-CHIP
2007-009157	R4005,R4033,R5009	R-CHIP
2007-009158	R4006	R-CHIP

5. MAIN Electrical Parts List

2007-009171	R3028,R4002,R5006	R-CHIP
2007-009201	R5016,R5017	R-CHIP
2007-009212	R3001,R3002,R5018	R-CHIP
2007-009352	R5001	R-CHIP
2007-009408	R5019	R-CHIP
2007-009410	R5031	R-CHIP
2007-009920	R3013,R3014,R3017	R-CHIP
2007-009954	R5030	R-CHIP
2007-009969	R5020	R-CHIP
2007-010202	R5021,R5024	R-CHIP
2007-010685	R6010	R-CHIP
2007-011043	R3018	R-CHIP
2007-011377	R5028	R-CHIP
2007-012038	R4012	R-CHIP
2007-012068	R4025	R-CHIP
2203-000386	C5005,C5006,C5010	C-CERAMIC,CHIP
2203-000438	C4107	C-CERAMIC,CHIP
2203-000489	C4100	C-CERAMIC,CHIP
2203-000854	C4106	C-CERAMIC,CHIP
2203-001153	C4071	C-CERAMIC,CHIP
2203-005057	C1014	C-CERAMIC,CHIP
2203-005682	C1006,C1054,C1055	C-CERAMIC,CHIP
2203-005682	C1058,C1059,C1060	C-CERAMIC,CHIP
2203-005682	C1147,C1148,C1174	C-CERAMIC,CHIP
2203-005682	C1175,C4068,C4076	C-CERAMIC,CHIP
2203-005682	C4078,C4079	C-CERAMIC,CHIP
2203-005725	C2027,C6001,C6008	C-CERAMIC,CHIP
2203-005727	C5003	C-CERAMIC,CHIP
2203-005729	C2006,C5018,C6014	C-CERAMIC,CHIP
2203-005729	C6015	C-CERAMIC,CHIP
2203-005731	C2005,C5015,C5016	C-CERAMIC,CHIP
2203-005732	C5019	C-CERAMIC,CHIP
2203-005734	C5013,C5014	C-CERAMIC,CHIP
2203-005736	C1001,C1002,C1005	C-CERAMIC,CHIP
2203-005736	C1012,C1013,C1017	C-CERAMIC,CHIP
2203-005736	C1022,C1030,C1033	C-CERAMIC,CHIP
2203-005736	C1038,C1039,C1048	C-CERAMIC,CHIP
2203-005736	C1076,C1078,C1079	C-CERAMIC,CHIP
2203-005736	C1080,C1138,C1140	C-CERAMIC,CHIP

5. MAIN Electrical Parts List

2203-005736	C1141,C1144,C1151	C-CERAMIC,CHIP
2203-005736	C1157,C1205,C1227	C-CERAMIC,CHIP
2203-005736	C1228,C1230,C1231	C-CERAMIC,CHIP
2203-005736	C1234,C1239,C1240	C-CERAMIC,CHIP
2203-005736	C2003,C2023,C2024	C-CERAMIC,CHIP
2203-005736	C2025,C2026,C2031	C-CERAMIC,CHIP
2203-005736	C2060,C6023,C6030	C-CERAMIC,CHIP
2203-005736	C6035,C6036	C-CERAMIC,CHIP
2203-005777	C1020,C1035,C1145	C-CERAMIC,CHIP
2203-005789	C1018,C1024,C1025	C-CERAMIC,CHIP
2203-005789	C1026,C1061,C1083	C-CERAMIC,CHIP
2203-005789	C2008	C-CERAMIC,CHIP
2203-005792	C1036,C1047,C1057	C-CERAMIC,CHIP
2203-005792	C2004	C-CERAMIC,CHIP
2203-005806	C1049,C1135,C1161	C-CERAMIC,CHIP
2203-005806	C2022	C-CERAMIC,CHIP
2203-006121	C5036,C5037	C-CERAMIC,CHIP
2203-006187	C1143,C6057	C-CERAMIC,CHIP
2203-006194	C1120,C5024,C5029	C-CERAMIC,CHIP
2203-006305	C1097,C2001,C2002	C-CERAMIC,CHIP
2203-006305	C2007,C2015	C-CERAMIC,CHIP
2203-006318	C1032,C1062	C-CERAMIC,CHIP
2203-006399	C1106,C1119,C1128	C-CERAMIC,CHIP
2203-006399	C1221,C3002,C3003	C-CERAMIC,CHIP
2203-006399	C3004,C3006,C3007	C-CERAMIC,CHIP
2203-006399	C3014,C3018,C3024	C-CERAMIC,CHIP
2203-006399	C3025,C3028,C3075	C-CERAMIC,CHIP
2203-006399	C3076,C3082,C4002	C-CERAMIC,CHIP
2203-006399	C4007,C4027,C4032	C-CERAMIC,CHIP
2203-006399	C4034,C4040,C4044	C-CERAMIC,CHIP
2203-006399	C4081	C-CERAMIC,CHIP
2203-006400	C1077,C1110,C1153	C-CERAMIC,CHIP
2203-006400	C2062,C2065,C2068	C-CERAMIC,CHIP
2203-006400	C3030,C3081,C5011	C-CERAMIC,CHIP
2203-006400	C5033	C-CERAMIC,CHIP
2203-006410	C1045	C-CERAMIC,CHIP
2203-006423	C1028,C1034,C1040	C-CERAMIC,CHIP
2203-006423	C1071,C1075,C1125	C-CERAMIC,CHIP
2203-006423	C3013,C3079,C4022	C-CERAMIC,CHIP

5. MAIN Electrical Parts List

2203-006423	C4023,C4086,C4087	C-CERAMIC,CHIP
2203-006423	C4096,C6013,C6047	C-CERAMIC,CHIP
2203-006423	C6048,C6050,C6053	C-CERAMIC,CHIP
2203-006423	C6058	C-CERAMIC,CHIP
2203-006556	C4090,C4091,C5026	C-CERAMIC,CHIP
2203-006556	C5076	C-CERAMIC,CHIP
2203-006562	C3077,C3078,C4082	C-CERAMIC,CHIP
2203-006562	C4094,C4095,C5001	C-CERAMIC,CHIP
2203-006562	C5002	C-CERAMIC,CHIP
2203-006604	C6056,C6060	C-CERAMIC,CHIP
2203-006665	C1046	C-CERAMIC,CHIP
2203-006668	C1117,C3037,C4083	C-CERAMIC,CHIP
2203-006668	C4084,C5017	C-CERAMIC,CHIP
2203-006815	C4103	C-CERAMIC,CHIP
2203-006839	C2017,C4051,C4052	C-CERAMIC,CHIP
2203-006839	C4054	C-CERAMIC,CHIP
2203-006841	C4065,C4104	C-CERAMIC,CHIP
2203-006872	C2019,C2020	C-CERAMIC,CHIP
2203-006979	C1107,C1108,C1118	C-CERAMIC,CHIP
2203-006979	C1122,C1123,C1127	C-CERAMIC,CHIP
2203-006979	C1134,C1137,C1165	C-CERAMIC,CHIP
2203-006979	C5030	C-CERAMIC,CHIP
2203-007194	C2059	C-CERAMIC,CHIP
2203-007210	C2012	C-CERAMIC,CHIP
2203-007270	C4101,C4102	C-CERAMIC,CHIP
2203-007271	C1029,C1070,C4019	C-CERAMIC,CHIP
2203-007271	C4037,C4085,C5009	C-CERAMIC,CHIP
2203-007279	C4046,C4047,C4048	C-CERAMIC,CHIP
2203-007279	C4049,C4050,C4057	C-CERAMIC,CHIP
2203-007279	C4098,C4099	C-CERAMIC,CHIP
2203-007295	C6059	C-CERAMIC,CHIP
2203-007317	C3016,C3020,C3023	C-CERAMIC,CHIP
2203-007317	C3035,C4003,C4004	C-CERAMIC,CHIP
2203-007317	C4005,C4021,C4024	C-CERAMIC,CHIP
2203-007317	C4036,C6018,C6020	C-CERAMIC,CHIP
2203-007317	C6022,C6052	C-CERAMIC,CHIP
2203-007385	C3048	C-CERAMIC,CHIP
2203-007391	C1126	C-CERAMIC,CHIP
2203-007393	C1044,C1105,C2010	C-CERAMIC,CHIP

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5. MAIN Electrical Parts List

2203-007393	C2018,C2070,C4026	C-CERAMIC,CHIP
2203-007393	C4053,C4058,C4060	C-CERAMIC,CHIP
2203-007393	C4061,C4074	C-CERAMIC,CHIP
2203-007456	C1074	C-CERAMIC,CHIP
2203-007474	C1109,C1124,C3040	C-CERAMIC,CHIP
2203-007474	C3064	C-CERAMIC,CHIP
2203-007796	C1096,C2009,C2011	C-CERAMIC,CHIP
2203-007796	C2013,C2014,C2016	C-CERAMIC,CHIP
2203-007796	C3001,C3005,C3008	C-CERAMIC,CHIP
2203-007796	C3009,C3010,C3011	C-CERAMIC,CHIP
2203-007796	C3012,C3015,C3017	C-CERAMIC,CHIP
2203-007796	C3019,C3022,C3026	C-CERAMIC,CHIP
2203-007796	C3027,C3029,C3032	C-CERAMIC,CHIP
2203-007796	C3033,C3036,C3038	C-CERAMIC,CHIP
2203-007796	C3039,C3041,C3042	C-CERAMIC,CHIP
2203-007796	C3043,C3046,C3047	C-CERAMIC,CHIP
2203-007796	C3049,C3050,C3051	C-CERAMIC,CHIP
2203-007796	C3053,C3054,C3055	C-CERAMIC,CHIP
2203-007796	C3057,C3058,C3059	C-CERAMIC,CHIP
2203-007796	C3060,C3061,C3062	C-CERAMIC,CHIP
2203-007796	C3066,C3068,C3069	C-CERAMIC,CHIP
2203-007796	C3070,C3072,C3074	C-CERAMIC,CHIP
2203-007796	C4001,C4006,C4009	C-CERAMIC,CHIP
2203-007796	C4010,C4014,C4015	C-CERAMIC,CHIP
2203-007796	C4016,C4017,C4018	C-CERAMIC,CHIP
2203-007796	C4020,C4031,C4033	C-CERAMIC,CHIP
2203-007796	C4035,C4041,C4042	C-CERAMIC,CHIP
2203-007796	C4043,C4045,C4056	C-CERAMIC,CHIP
2203-007796	C4070,C4072,C4073	C-CERAMIC,CHIP
2203-007796	C4075,C4089,C5012	C-CERAMIC,CHIP
2203-007796	C6009,C6010,C6011	C-CERAMIC,CHIP
2203-007796	C6016,C6019,C6021	C-CERAMIC,CHIP
2203-007796	C6029,C6031,C6037	C-CERAMIC,CHIP
2203-007796	C6038,C6041,C6046	C-CERAMIC,CHIP
2203-007796	C6054,C6055	C-CERAMIC,CHIP
2203-008097	C1041,C1042,C1104	C-CERAMIC,CHIP
2203-008097	C5021,C5022	C-CERAMIC,CHIP
2203-008312	C4059,C4062,C4063	C-CERAMIC,CHIP
2203-008312	C4067,C4069	C-CERAMIC,CHIP

5. MAIN Electrical Parts List

2203-008572	C4064,C4066	C-CERAMIC,CHIP
2203-008654	C4105	C-CERAMIC,CHIP
2203-008860	C6006,C6007,C6012	C-CERAMIC,CHIP
2203-008860	C6028,C6032,C6039	C-CERAMIC,CHIP
2203-008860	C6042,C6043,C6044	C-CERAMIC,CHIP
2203-008876	C2028,C4038,C4080	C-CERAMIC,CHIP
2203-008876	C6017,C6040	C-CERAMIC,CHIP
2203-009049	C4055	C-CERAMIC,CHIP
2203-009537	C1136	C-CERAMIC,CHIP
2203-009551	C1154	C-CERAMIC,CHIP
2203-009618	C6024,C6025,C6027	C-CERAMIC,CHIP
2203-009618	C6033,C6034	C-CERAMIC,CHIP
2203-009733	C1043,C1072,C1092	C-CERAMIC,CHIP
2203-009733	C1121,C4077,C4088	C-CERAMIC,CHIP
2203-009733	C6026	C-CERAMIC,CHIP
2203-009858	C4030	C-CERAMIC,CHIP
2703-001751	L1003	INDUCTOR-SMD
2703-002268	L1007	INDUCTOR-SMD
2703-002649	L2013	INDUCTOR-SMD
2703-002858	L1017,L1022,L1047	INDUCTOR-SMD
2703-002858	L1050,L1243	INDUCTOR-SMD
2703-002903	L1027,L1233,L1244	INDUCTOR-SMD
2703-002953	L1035,L1234,L6011	INDUCTOR-SMD
2703-002959	L5007,L6009,L6010	INDUCTOR-SMD
2703-002960	L1091,L1222,L2005	INDUCTOR-SMD
2703-002960	L2035	INDUCTOR-SMD
2703-002999	L1020,L6013	INDUCTOR-SMD
2703-003878	L5010	INDUCTOR-SMD
2703-004000	L1009,L1226	INDUCTOR-SMD
2703-004012	L1004,L1015,L1026	INDUCTOR-SMD
2703-004012	L1103	INDUCTOR-SMD
2703-004013	L1002,L1053,L1065	INDUCTOR-SMD
2703-004013	L1210,L1231	INDUCTOR-SMD
2703-004014	L2002	INDUCTOR-SMD
2703-004018	L1036	INDUCTOR-SMD
2703-004030	L1029,L6014	INDUCTOR-SMD
2703-004033	L1014,L1048	INDUCTOR-SMD
2703-004034	L1001,L1045,L1238	INDUCTOR-SMD
2703-004035	L1006,L1018,L1089	INDUCTOR-SMD

5. MAIN Electrical Parts List

2703-004035	L1098,L1100,L1101	INDUCTOR-SMD
2703-004035	L1227,L1250,L2039	INDUCTOR-SMD
2703-004036	L1097,L1099,L1228	INDUCTOR-SMD
2703-004037	L1012,L1239	INDUCTOR-SMD
2703-004286	L1225	INDUCTOR-SMD
2703-004287	L1223	INDUCTOR-SMD
2703-004290	L1055	INDUCTOR-SMD
2703-004300	L1011,L1067,L1092	INDUCTOR-SMD
2703-004300	L1232,L1242,L2016	INDUCTOR-SMD
2703-004302	L1096	INDUCTOR-SMD
2703-004317	L1005	INDUCTOR-SMD
2703-004328	L2001	INDUCTOR-SMD
2703-004362	L1021	INDUCTOR-SMD
2703-004366	L1030,L1033,L1236	INDUCTOR-SMD
2703-004366	L1240	INDUCTOR-SMD
2703-004367	L1237	INDUCTOR-SMD
2703-004368	L1051,L2037,L2038	INDUCTOR-SMD
2703-004371	L1025	INDUCTOR-SMD
2703-004763	L2003	INDUCTOR-SMD
2703-004764	L1241,L6008,L6012	INDUCTOR-SMD
2703-004914	L2010	INDUCTOR-SMD
2703-005066	L1063	INDUCTOR-SMD
2703-005067	L4001,L4002,L4003	INDUCTOR-SMD
2703-005067	L4004,L4006	INDUCTOR-SMD
2703-005085	L1010	INDUCTOR-SMD
2703-005108	L6006	INDUCTOR-SMD
2703-005117	L6002,L6003	INDUCTOR-SMD
2703-005223	L4008	INDUCTOR-SMD
2703-005366	L1049	INDUCTOR-SMD
2801-005393	OSC4001	CRYSTAL-UNIT
2801-005487	OSC2001	CRYSTAL-UNIT
2805-001113	OSC2002	OSCILLATOR
2809-001411	TCX1001	OSCILLATOR
2901-001673	F6010	FILTER-EMI SMD
2901-001674	F6001,F6006	FILTER-EMI SMD
2901-001798	F6002,F6003,F6004	FILTER-EMI SMD
2901-001798	F6005,F6007,F6008	FILTER-EMI SMD
2901-001798	F6009,F6011	FILTER-EMI SMD
2904-002257	F1005	FILTER-SAW

5. MAIN Electrical Parts List

2904-002266	U1016	FILTER-SAW
2904-002285	F1003	FILTER-SAW
2904-002314	F2001	FILTER-SAW
2904-002355	F2003	FILTER-SAW
2904-002356	F2002	FILTER-SAW
2910-000390	F1002	FILTER
2911-000449	U1007	FILTER
2911-000450	U1003	FILTER
3003-001233	MIC5001	MIC-CONDENSOR
3301-001438	L2028	CORE-FERRITE BEAD
3301-001812	L5003	CORE-FERRITE BEAD
3301-001876	L2012	CORE-FERRITE BEAD
3301-001885	L5006,L5013	CORE-FERRITE BEAD
3301-001895	L1013,L2006,L2009	CORE-FERRITE BEAD
3301-001971	L1249	CORE-FERRITE BEAD
3301-002078	L5005,L5008,L5009	CORE-FERRITE BEAD
3301-002078	L5011,L5012,L5014	CORE-FERRITE BEAD
3301-002078	L5016	CORE-FERRITE BEAD
3301-002122	L1057,L1058,L5001	CORE-FERRITE BEAD
3301-002122	L5002	CORE-FERRITE BEAD
3301-002236	L1072,L1247,L1248	CORE-FERRITE BEAD
3301-002236	L2036	CORE-FERRITE BEAD
3301-002238	L1074,L1075,L1080	CORE-FERRITE BEAD
3301-002238	L1081,L1082,L1230	CORE-FERRITE BEAD
3301-002238	L1246	CORE-FERRITE BEAD
3301-002254	L4005	CORE-FERRITE BEAD
3301-002312	L1071,L1073,L1078	CORE-FERRITE BEAD
3301-002312	L1084,L3001,L6001	CORE-FERRITE BEAD
3301-002312	L6004,L6005	CORE-FERRITE BEAD
3301-002335	L5015	CORE-FERRITE BEAD
3404-001567	TAC5001,TAC5002	SWITCH-TACT
3404-001567	TAC5003	SWITCH-TACT
3705-001708	RFS1001	CONNECTOR-COAXIAL
3709-001799	SIM6001	CONNECTOR-CARD EDGE
3709-001863	SIM6002	CONNECTOR-CARD EDGE
3711-007295	HDC6003	CONNECTOR-HEADER
3711-007617	HDC6001	CONNECTOR-HEADER
3711-007810	HDC5001	CONNECTOR-HEADER
3711-008511	HDC6002	CONNECTOR-HEADER

5. MAIN Electrical Parts List

3711-008737	BTC4001	CONNECTOR-HEADER
3712-001516	ANT2001	CONNECTOR
3712-001604	ANT5002,ANT5006	CONNECTOR
3712-001694	ANT1001,ANT1002	CONNECTOR
3712-001694	ANT2002,ANT5001	CONNECTOR
3712-001694	ANT5003,ANT5004	CONNECTOR
3712-001694	ANT5005	CONNECTOR
3712-001714	ANT1003	CONNECTOR
3722-003708	IFC4001	JACK-PHONE
4709-002187	CPL1001	RF-MODULE
GH61-08265A	SUS1001	PLATE-SMD
GH61-09617A	SUS1002	PLATE-SMD
GH61-09781A	SUS1003	PLATE-SMD
GH62-00040A	SMR1001,SMR1002	PAD GAP-SMD GASKET
GH62-00040A	SMR6002,SMR6003	PAD GAP-SMD GASKET
GH62-00040A	SMR6004,SMR6005	PAD GAP-SMD GASKET
GH62-00040A	SMR6006,SMR6007	PAD GAP-SMD GASKET
GH62-00042A	SMR6001	PAD GAP-SMD GASKET
GH63-09457A	SC1001	SHIELD-COVER
GH63-14751A	SC1002	SHIELD-COVER
GH63-14752A	SC2002	SHIELD-COVER
GH98-37386A	SC2003	SHIELD-COVER
1105-002710	UCP301UP	IC
0401-001110	D5001	DIODE-SWITCHING
0406-001459	ZD5009,ZD5010	DIODE-TVS
0406-001506	ZD6013	DIODE-TVS
0406-001592	ZD4006,ZD5001,ZD5012	DIODE-TVS
0406-001640	ZD4004,ZD4005	DIODE-TVS
0406-001709	ZD5003,ZD5007	DIODE-TVS
0406-001728	ZD2001,ZD4001,ZD4003	DIODE-TVS
0406-001762	ZD6007,ZD6008,ZD6009	DIODE-TVS
0406-001762	ZD6010,ZD6011,ZD6012	DIODE-TVS
0406-001763	ZD6001,ZD6002,ZD6003	DIODE-TVS
0406-001763	ZD6004,ZD6005,ZD6006	DIODE-TVS
0406-001781	ZD5002,ZD5004,ZD5005	DIODE-TVS
0406-001781	ZD5006,ZD5008,ZD5011	DIODE-TVS
0601-003511	LED4001	LED
0601-003547	LED4002	LED
1001-001964	U1001,U1013	IC

5. MAIN Electrical Parts List

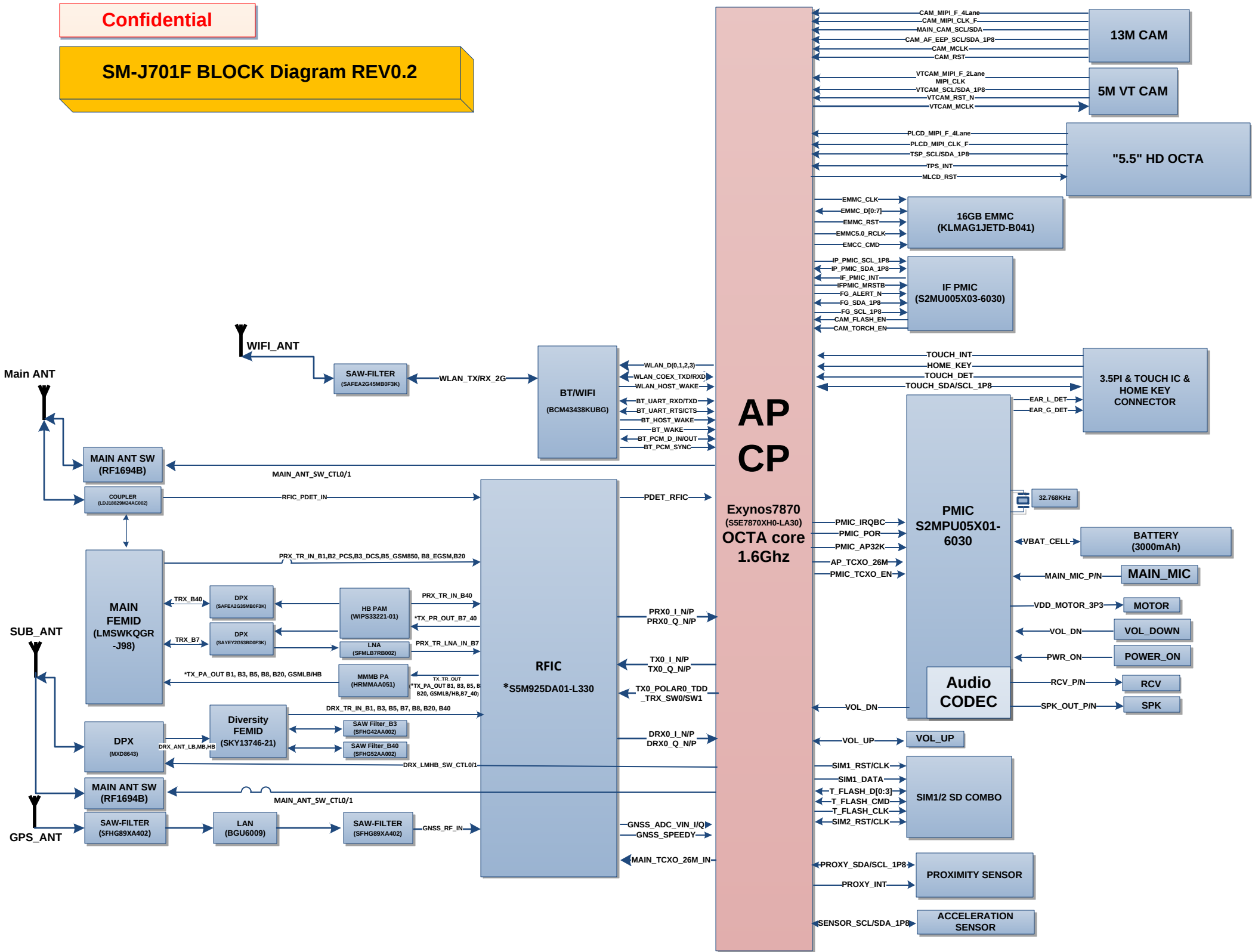
1001-001999	U1014	IC
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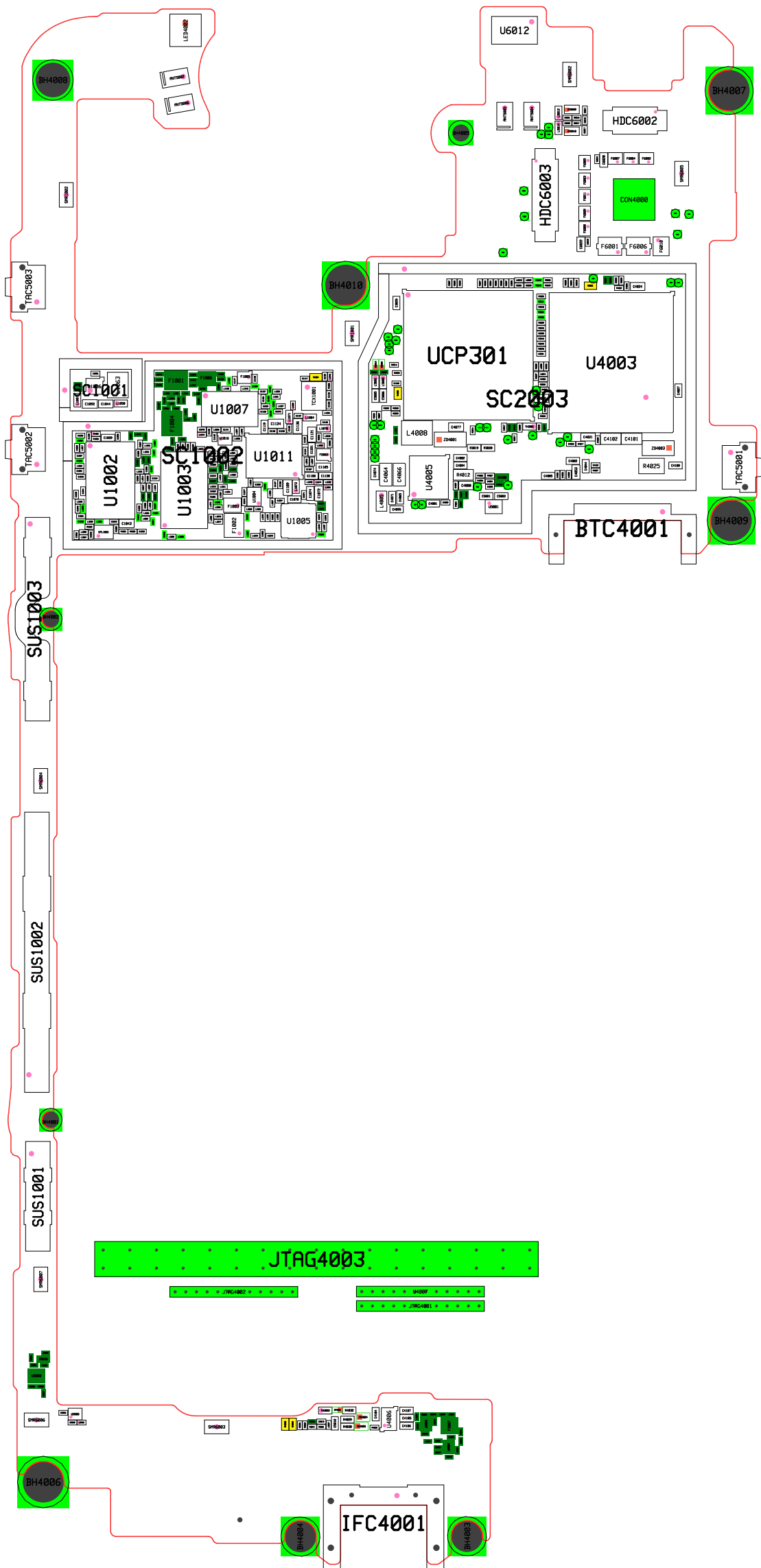
Please consult the GSPN website (Samsung Portal) for the most recent version of the product's part list.

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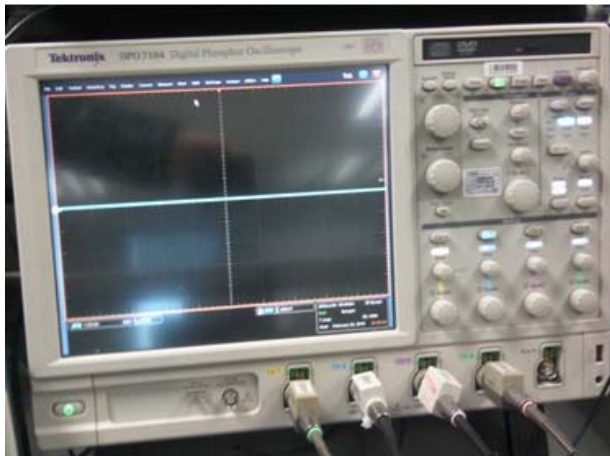
SM-J701F BLOCK Diagram REV0.2





8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



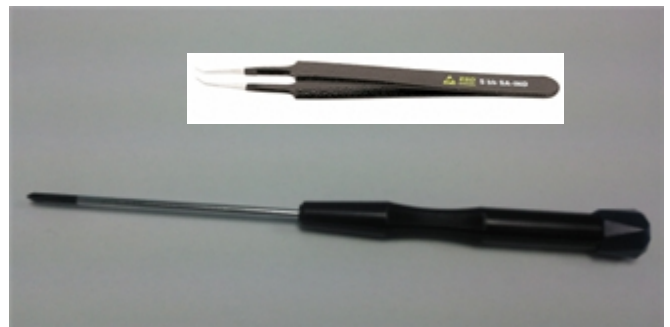
Oscilloscope



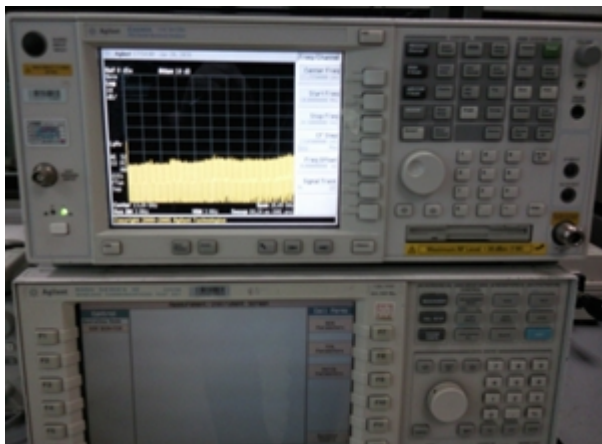
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



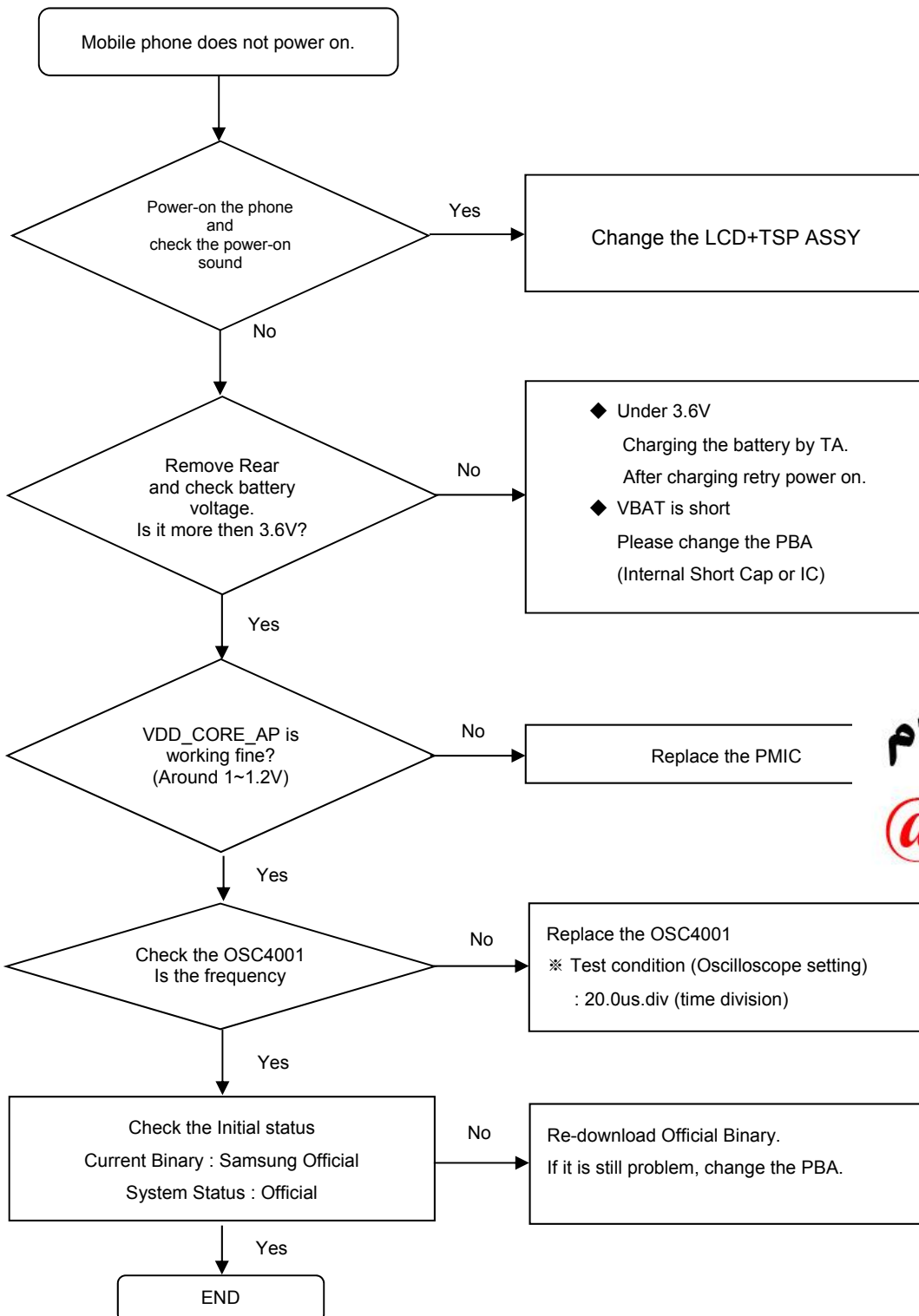
8960 & Spectrum Analyzer



Soldering iron

8. Level 3 Repair

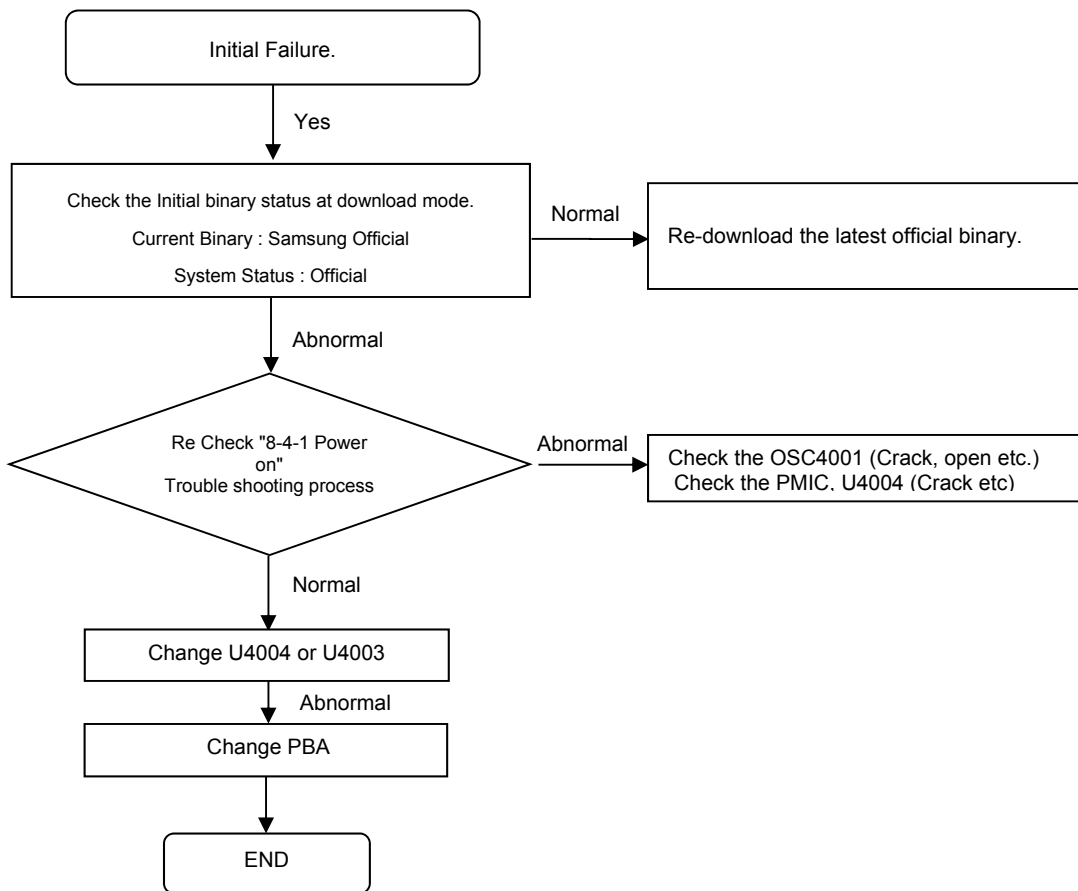
8-4-1. Power On



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8. Level 3 Repair

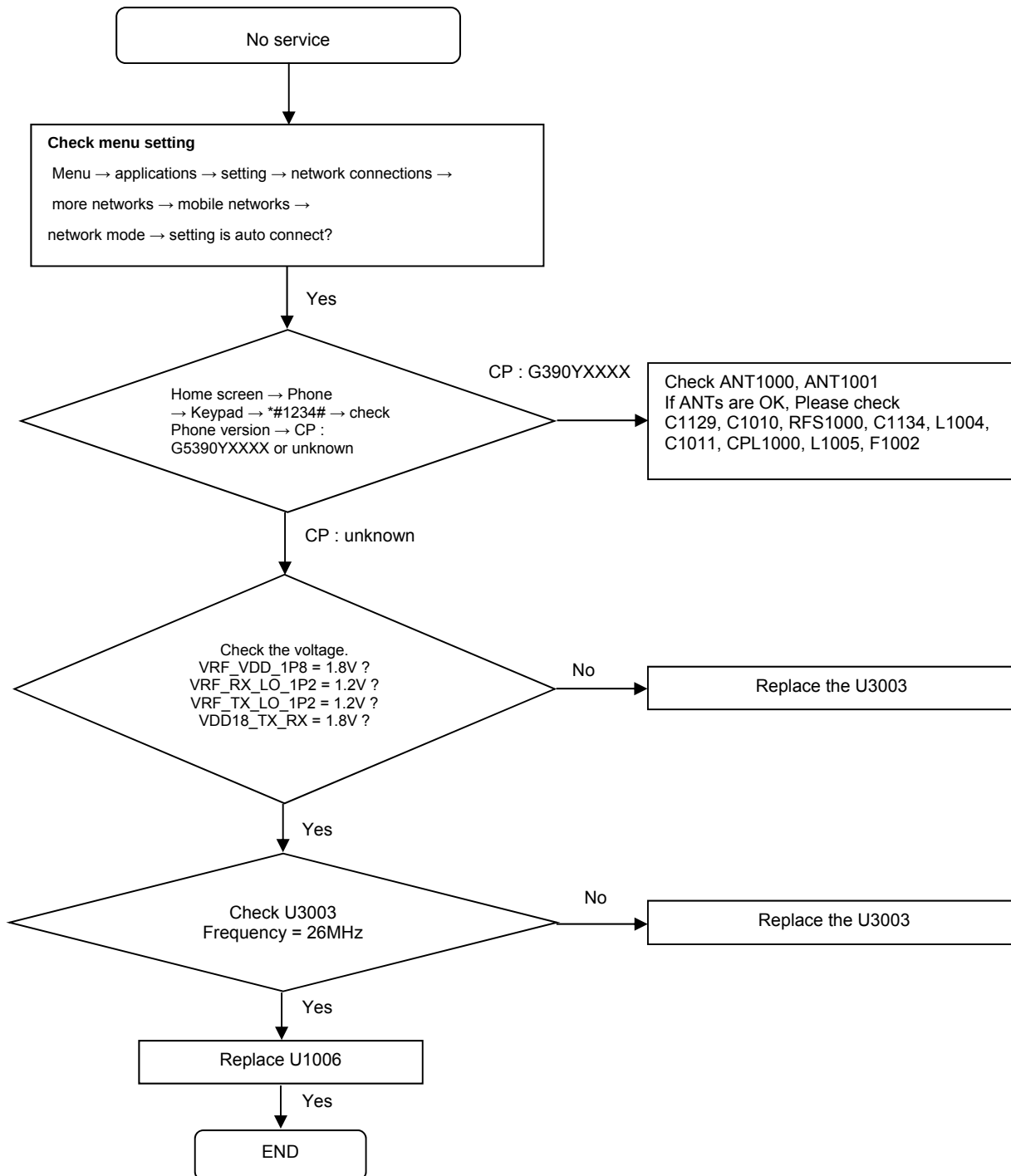
8-4-2. Initial



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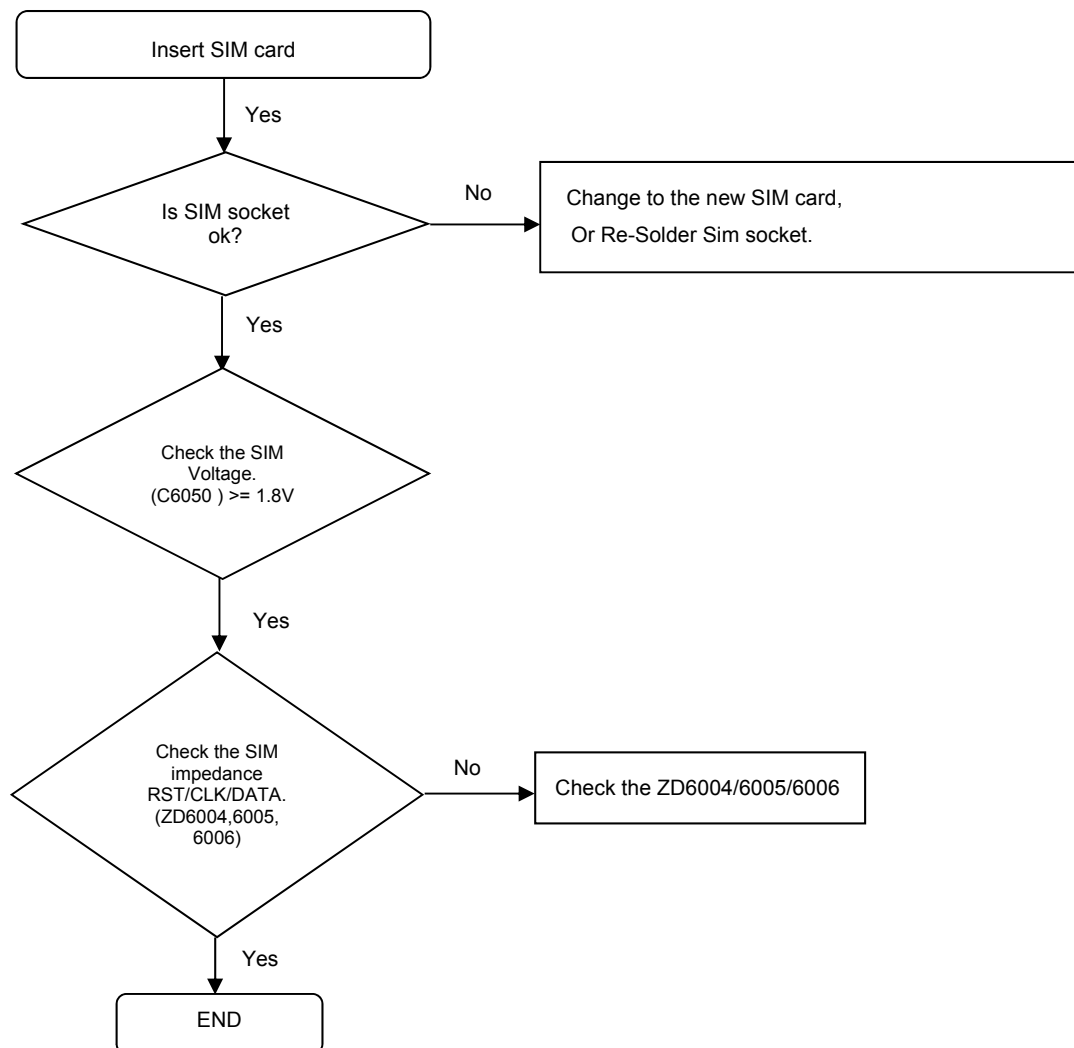
8. Level 3 Repair

8-4-3. No Service



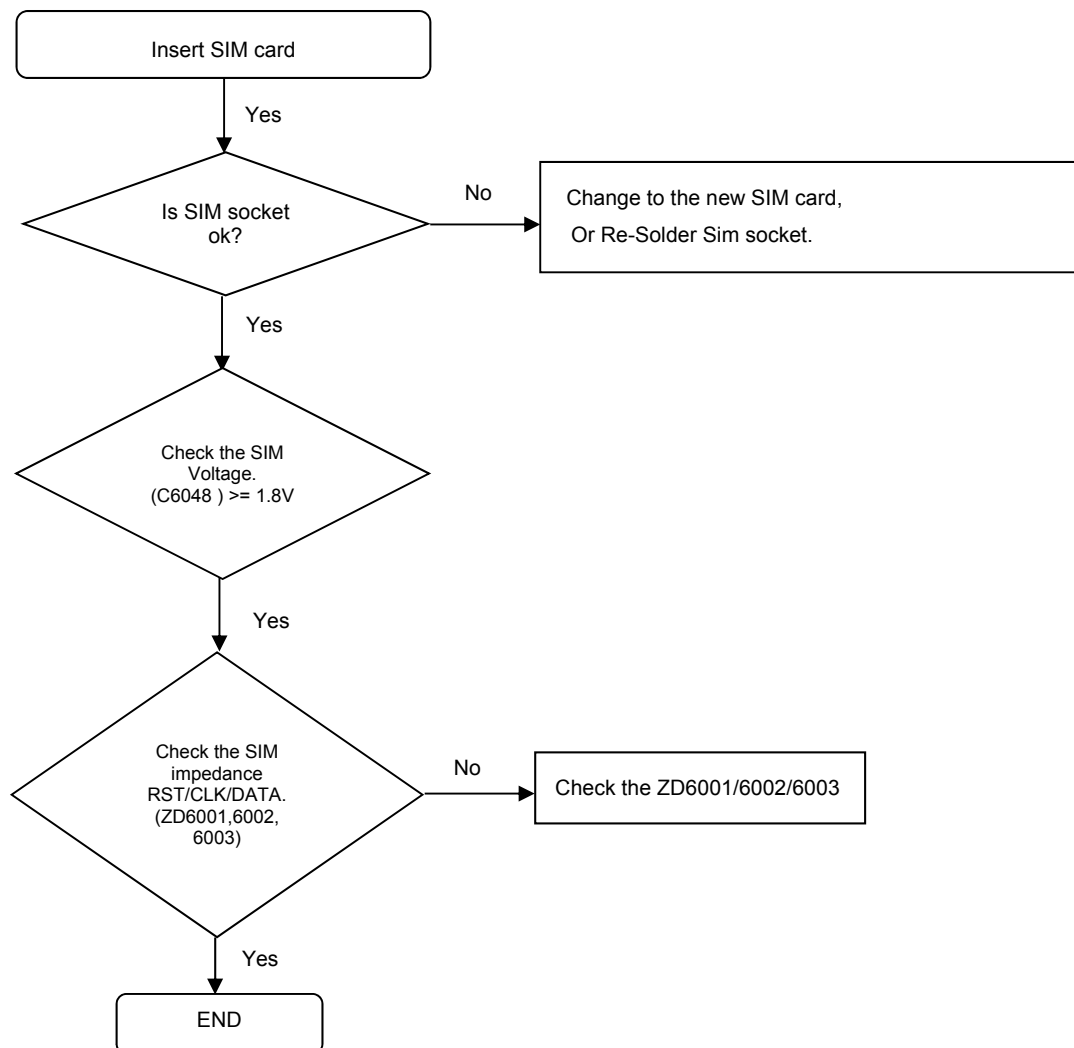
8. Level 3 Repair

8-4-4-1. SIM1 Part



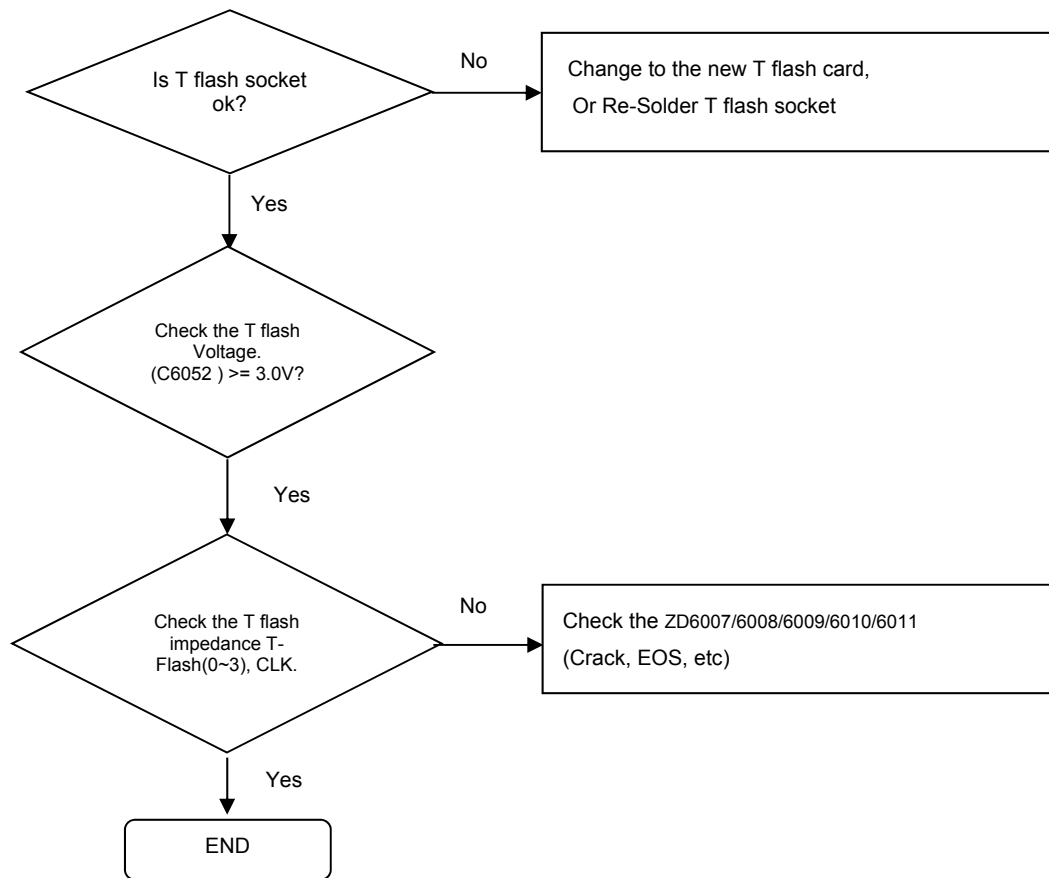
8. Level 3 Repair

8-4-4-2. SIM2 Part



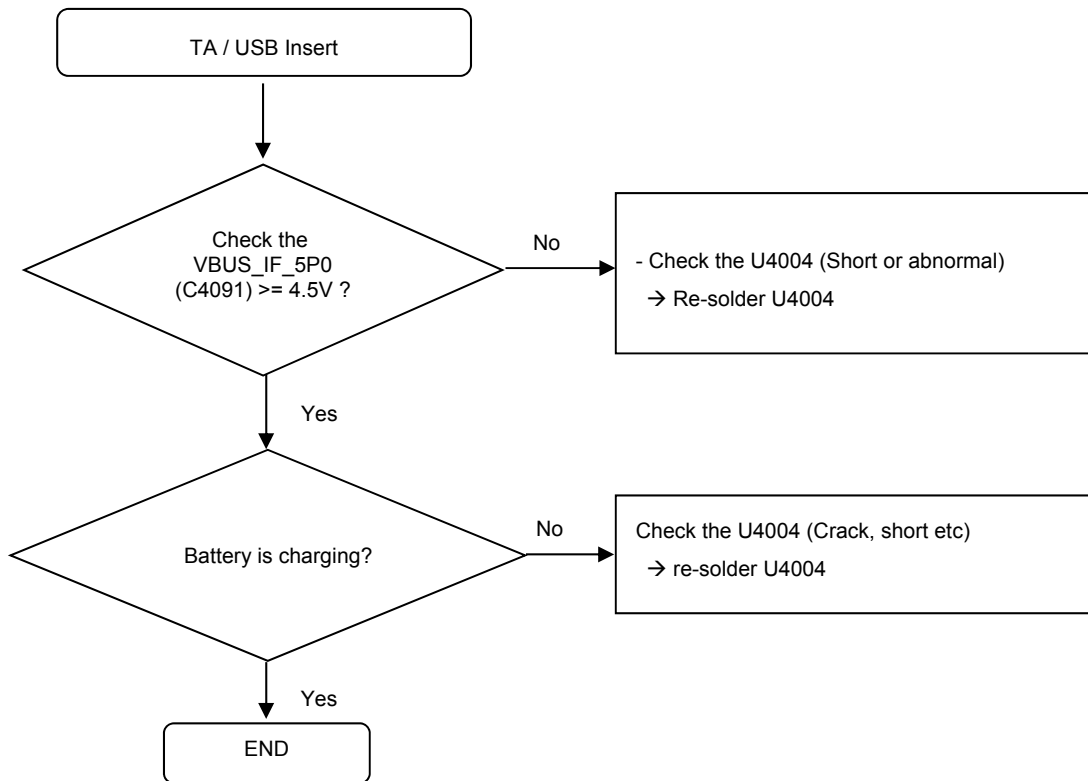
8. Level 3 Repair

8-4-5. T-Flash Part



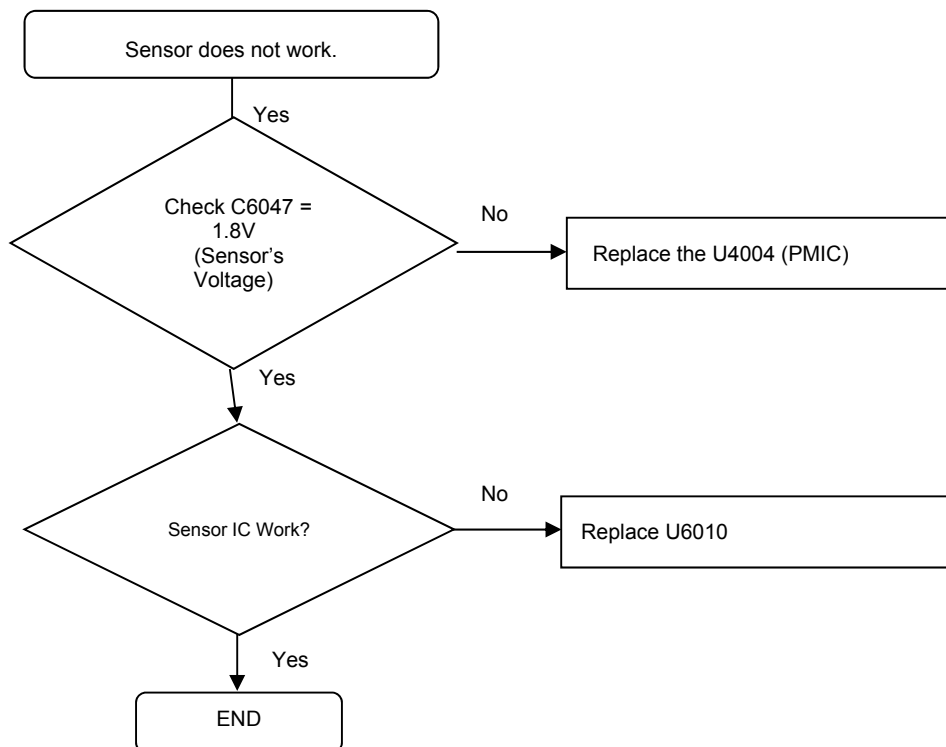
8. Level 3 Repair

8-4-6. Charging Part



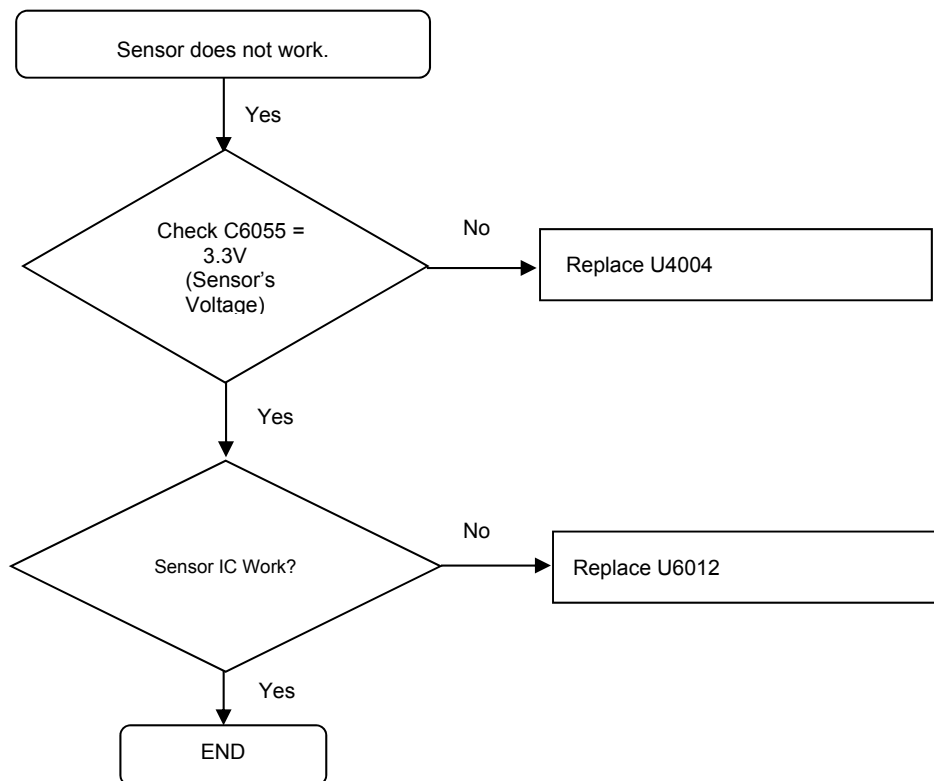
8. Level 3 Repair

8-4-7-1. Accel Sensor



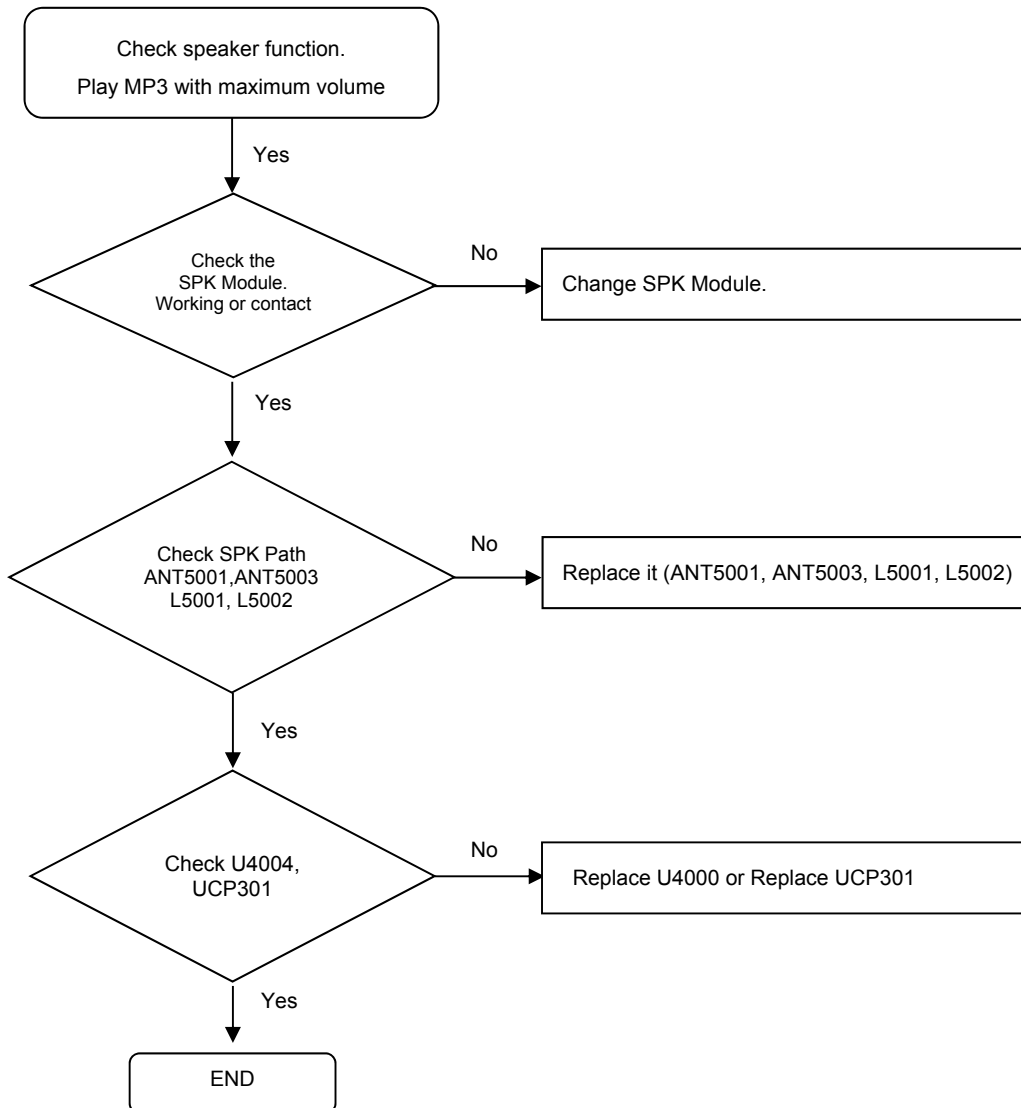
8. Level 3 Repair

8-4-7-2. Proxy Sensor



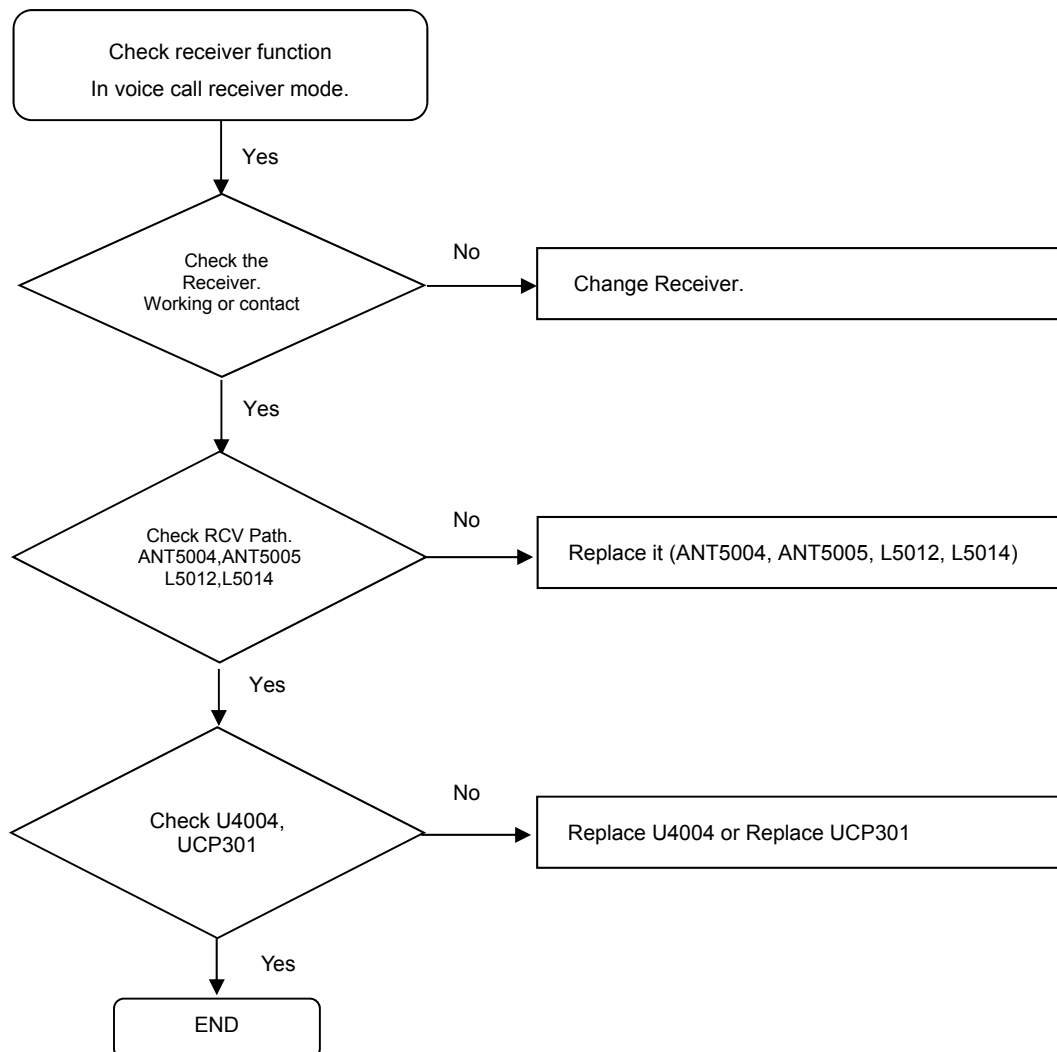
8. Level 3 Repair

8-4-8. Speaker Part



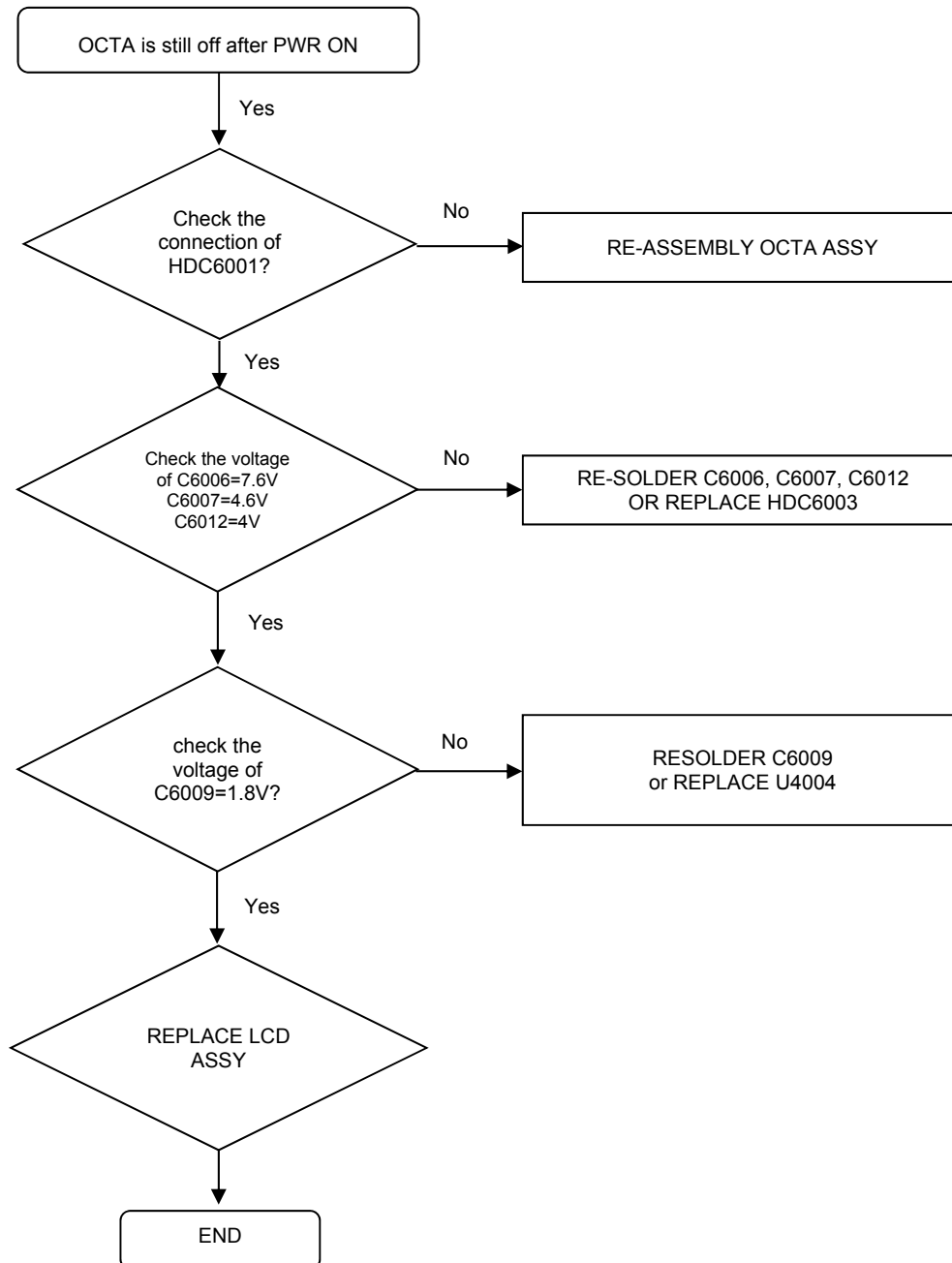
8. Level 3 Repair

8-4-9. Receiver Part



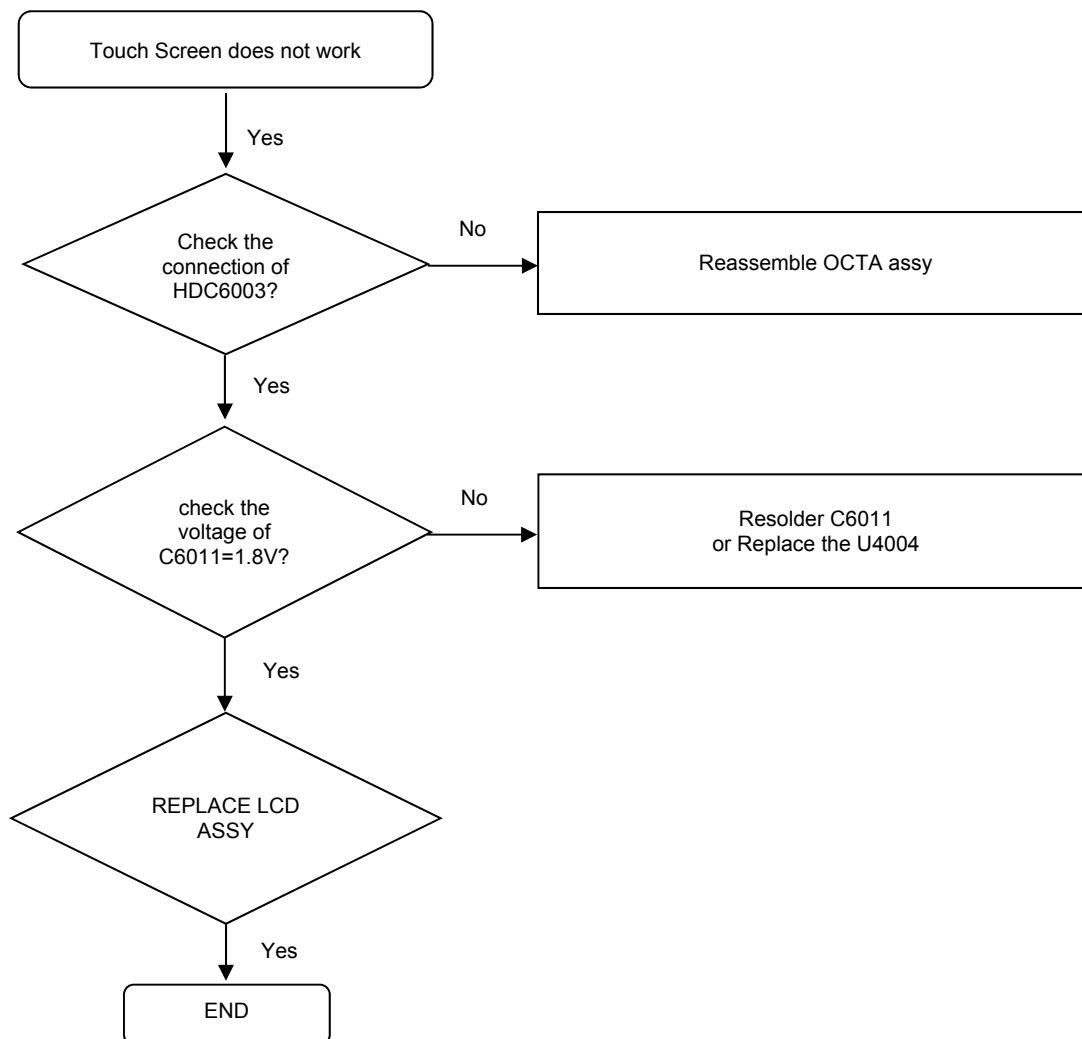
8. Level 3 Repair

8-4-10. OCTA



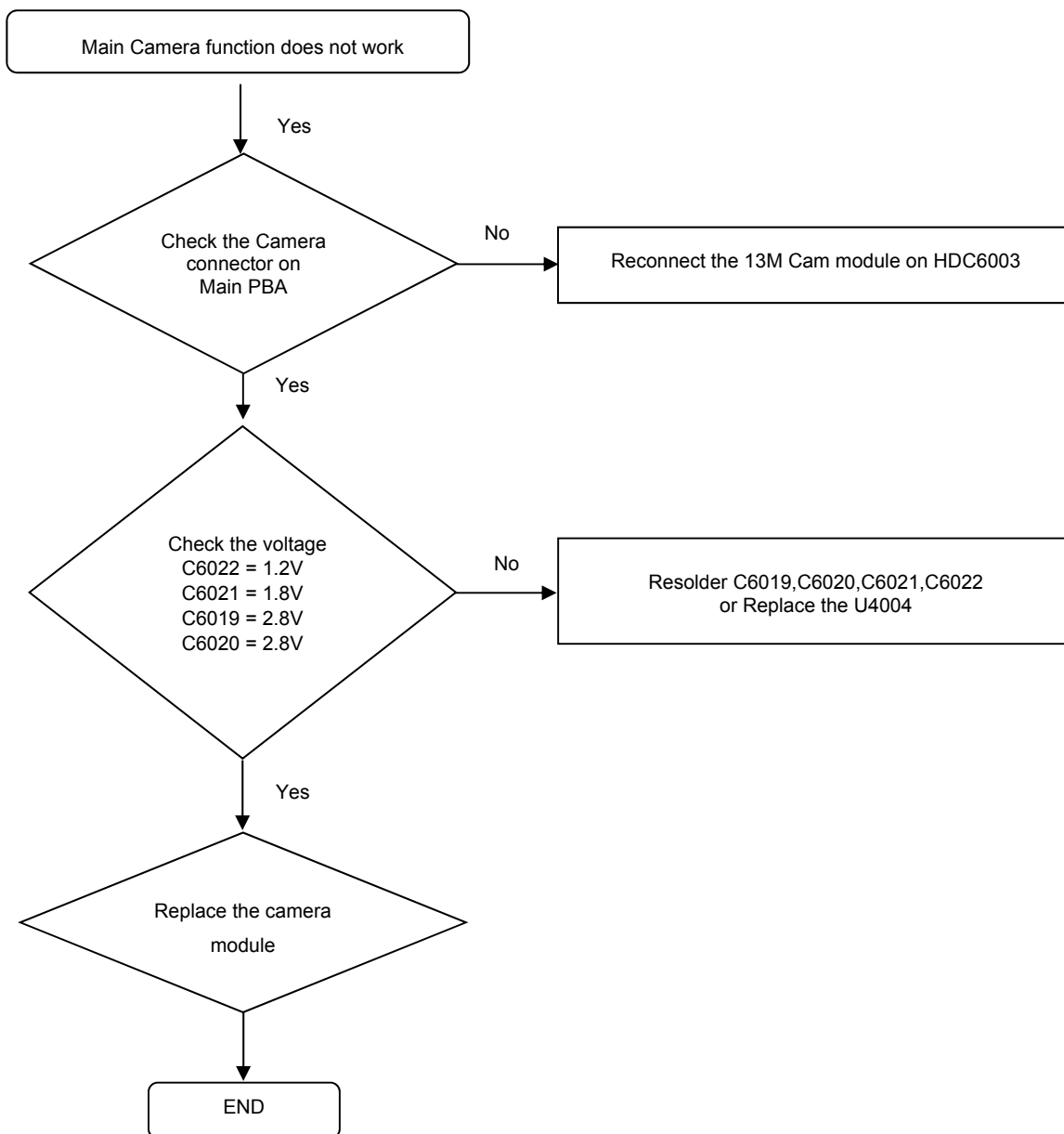
8. Level 3 Repair

8-4-11. TSP



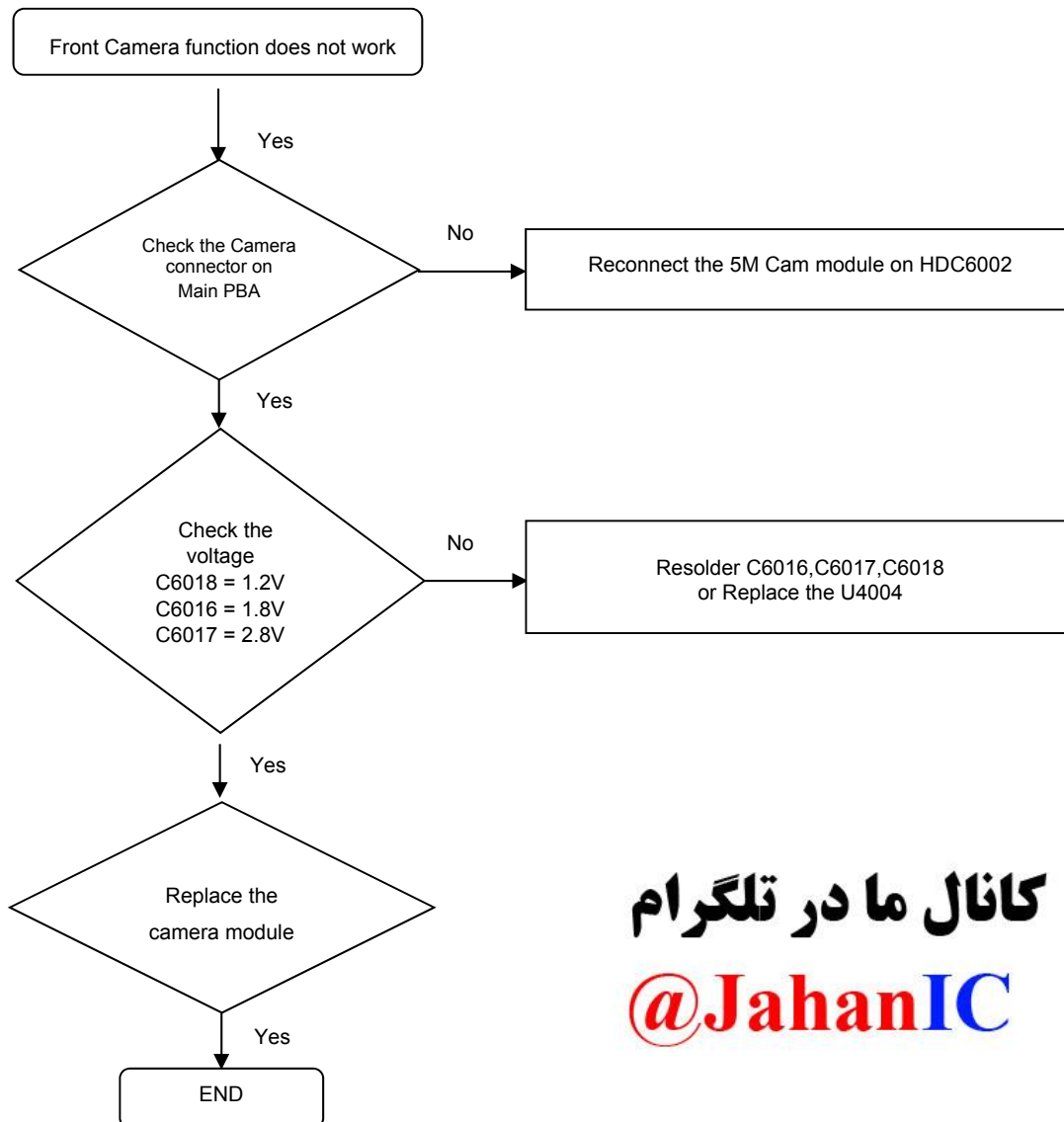
8. Level 3 Repair

8-4-12. 13M CAMERA



8. Level 3 Repair

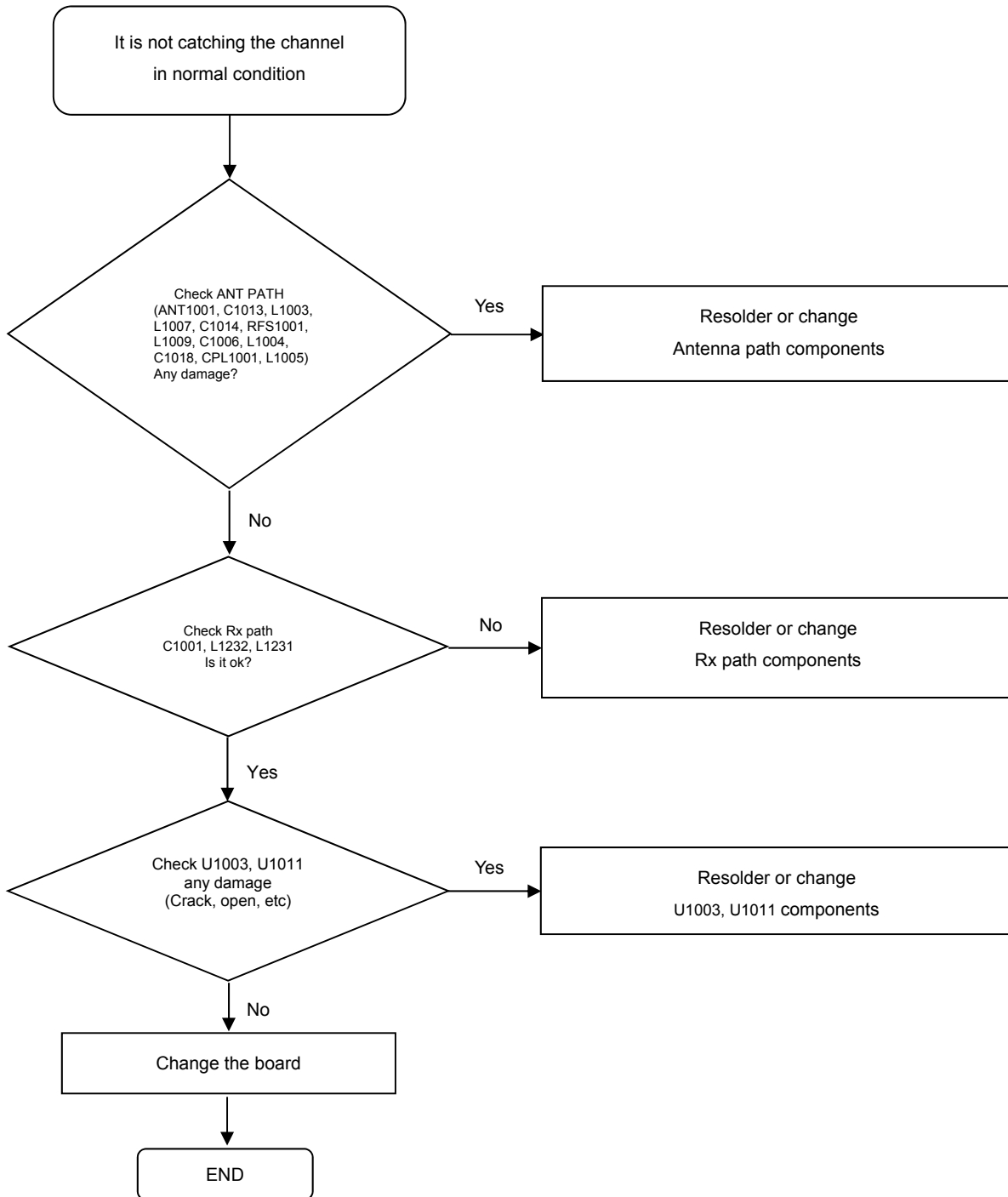
8-4-13. 5M CAMERA



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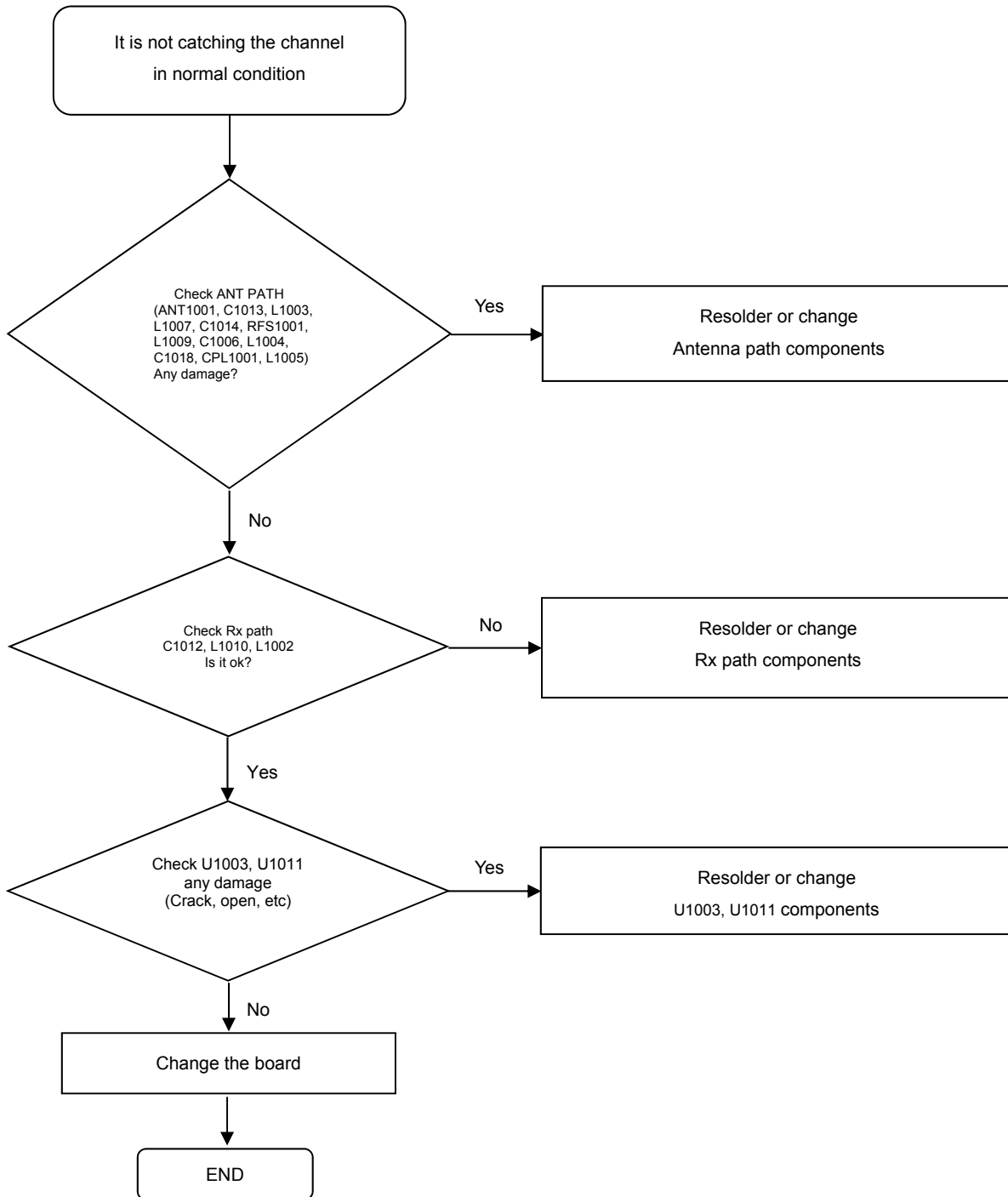
8. Level 3 Repair

8-4-14. LTE B1 RX



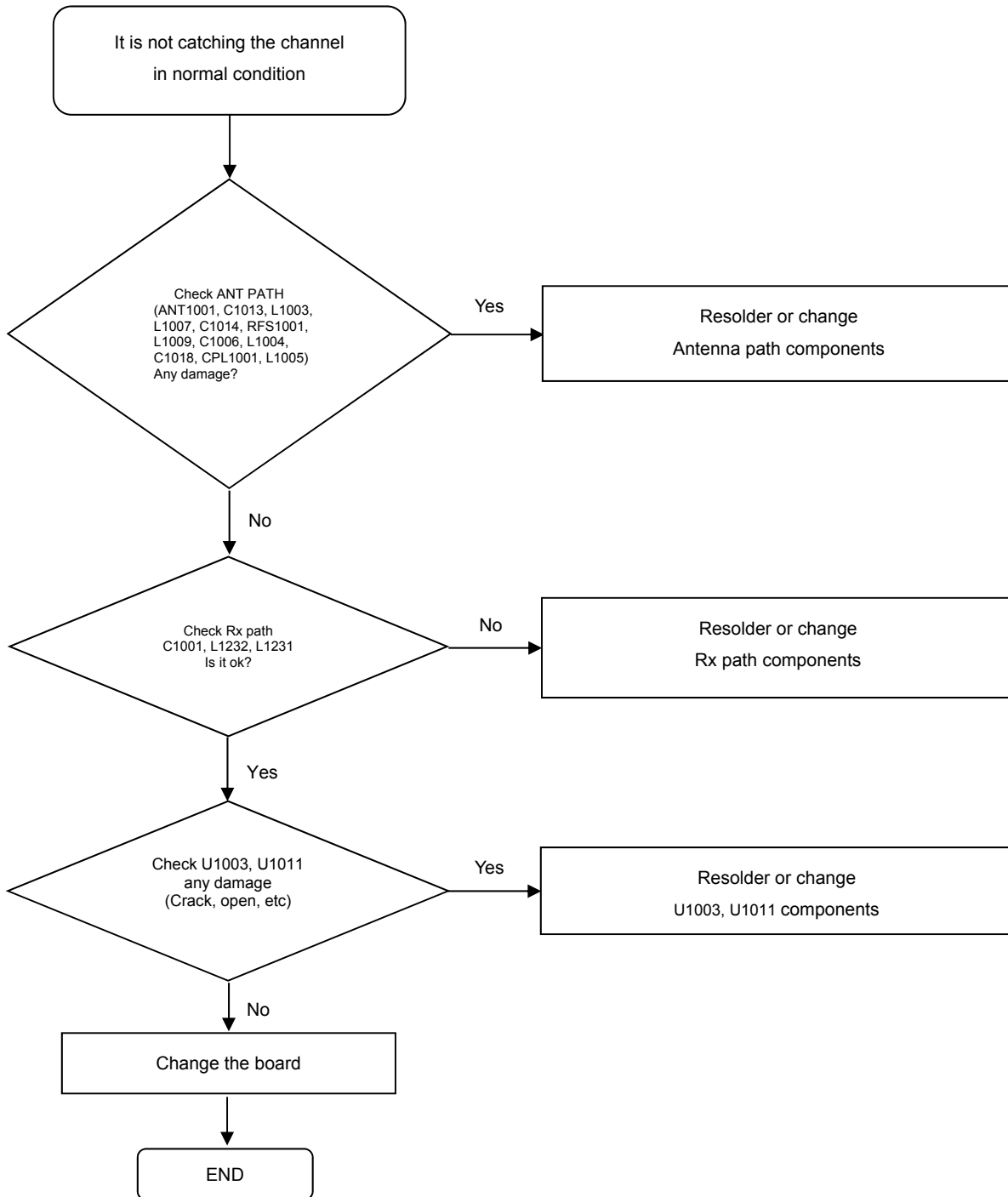
8. Level 3 Repair

8-4-15. LTE B2 / PCS RX



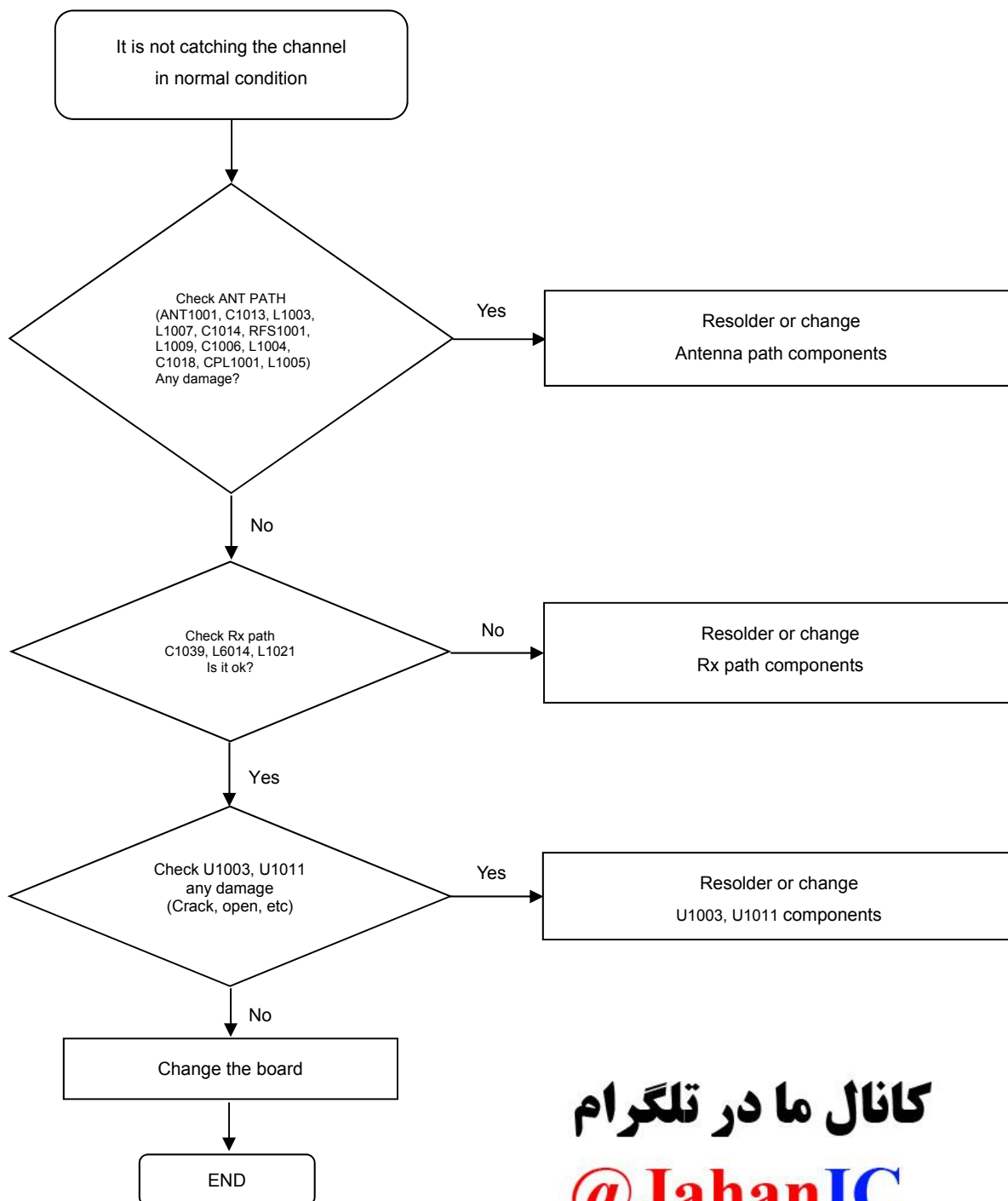
8. Level 3 Repair

8-4-16. LTE B3 / DCS RX



8. Level 3 Repair

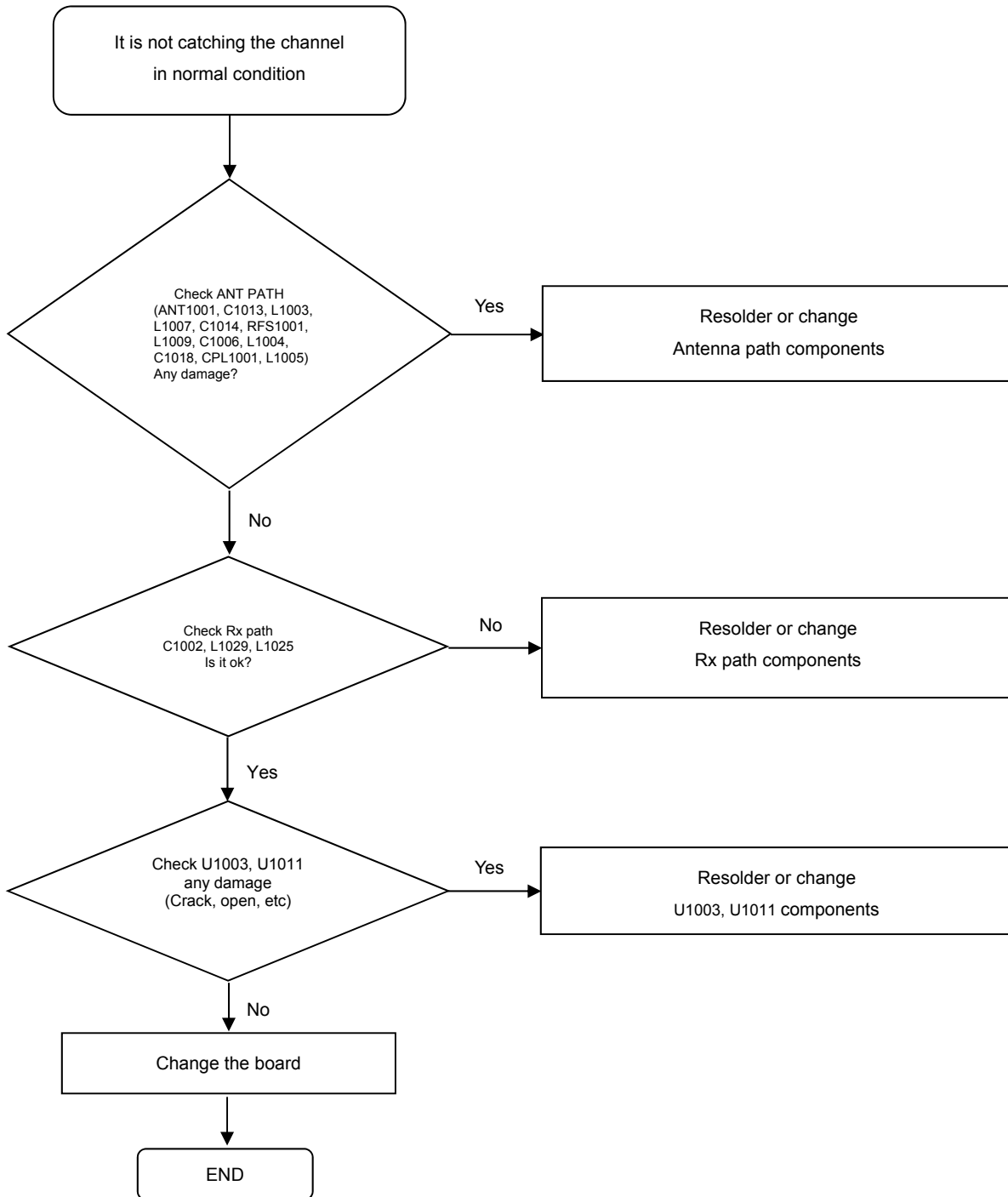
8-4-17. LTE B5 / GSM850 RX



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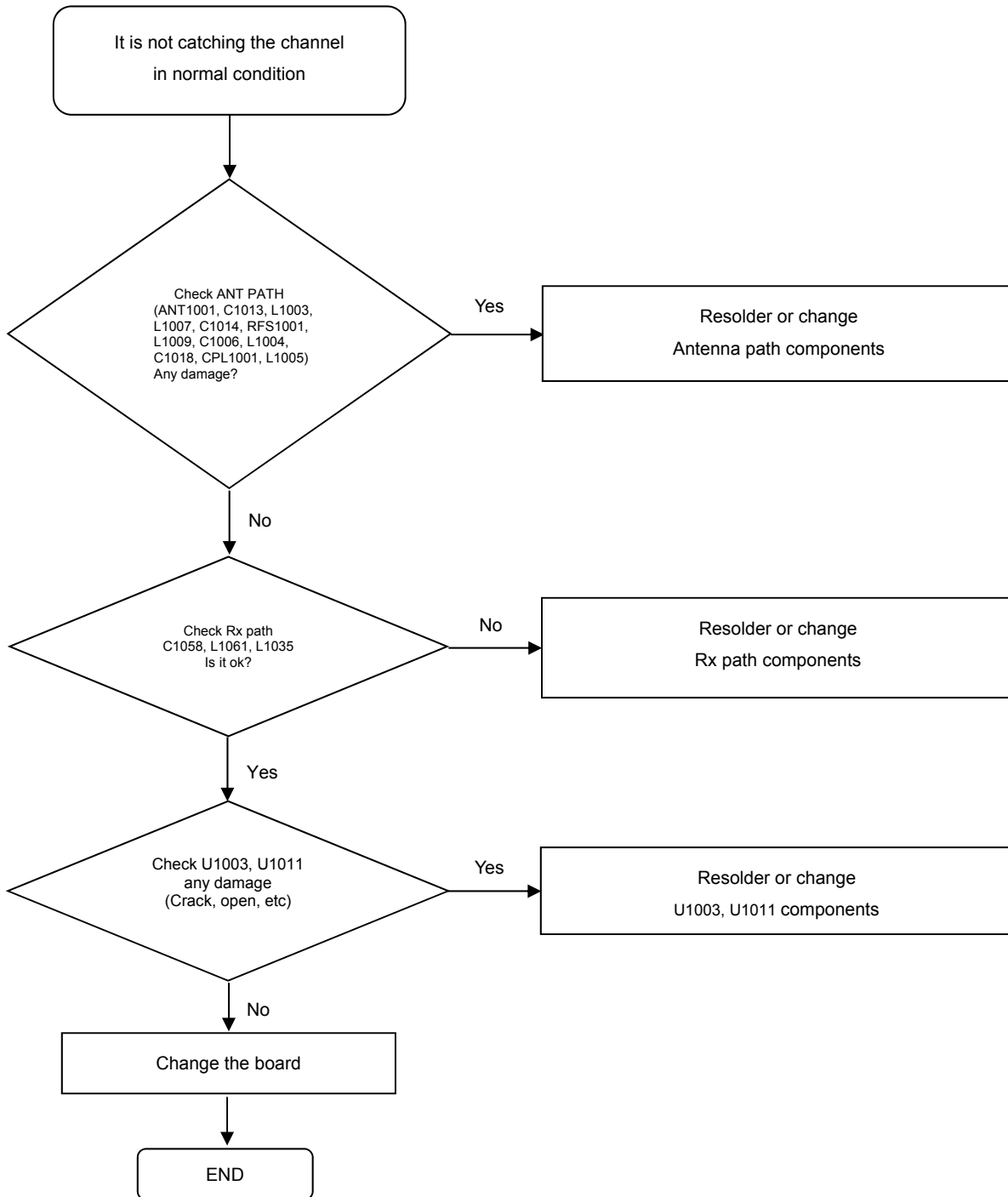
8. Level 3 Repair

8-4-18. LTE B8 / EGSM RX



8. Level 3 Repair

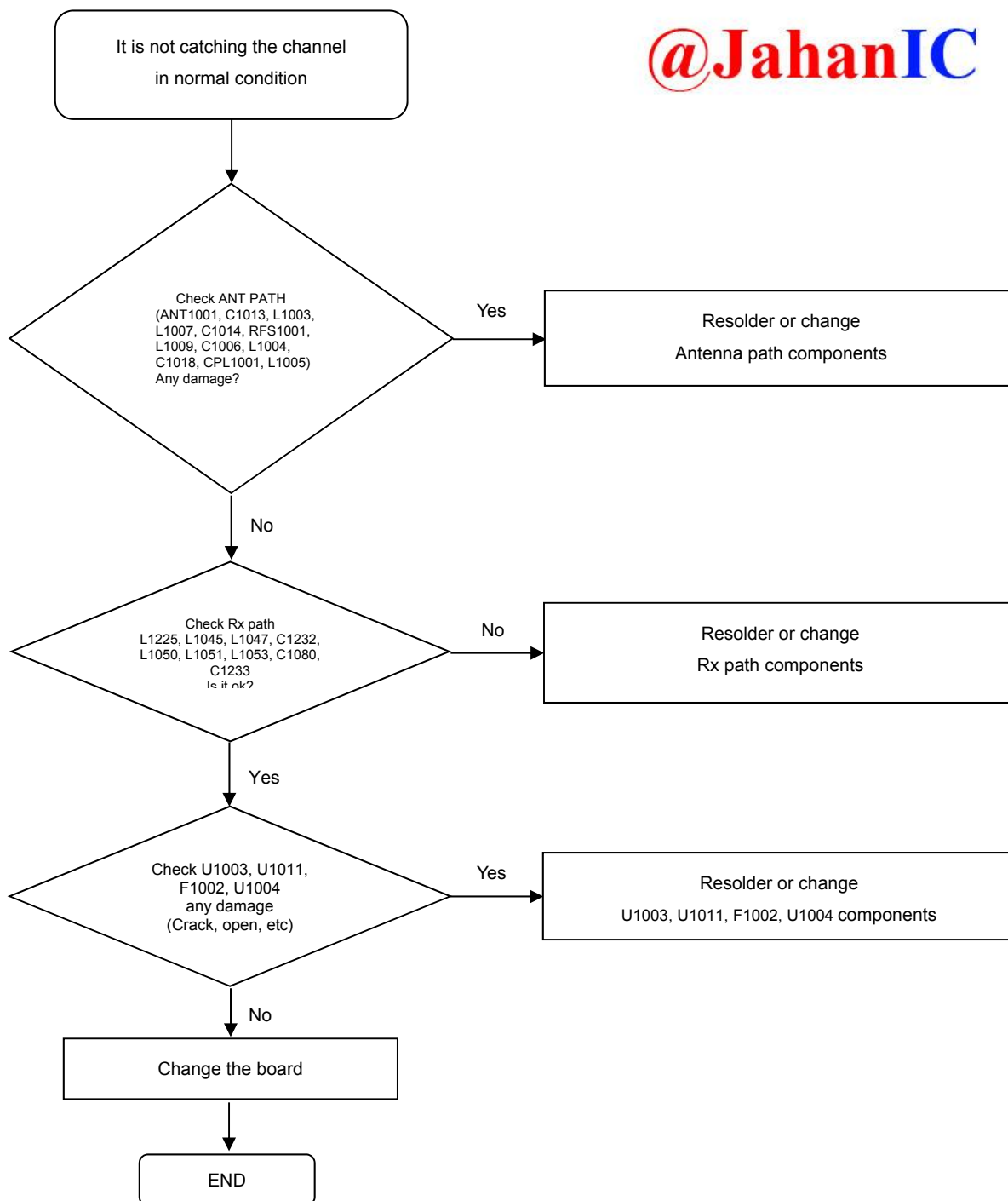
8-4-19. LTE B20 RX



8. Level 3 Repair

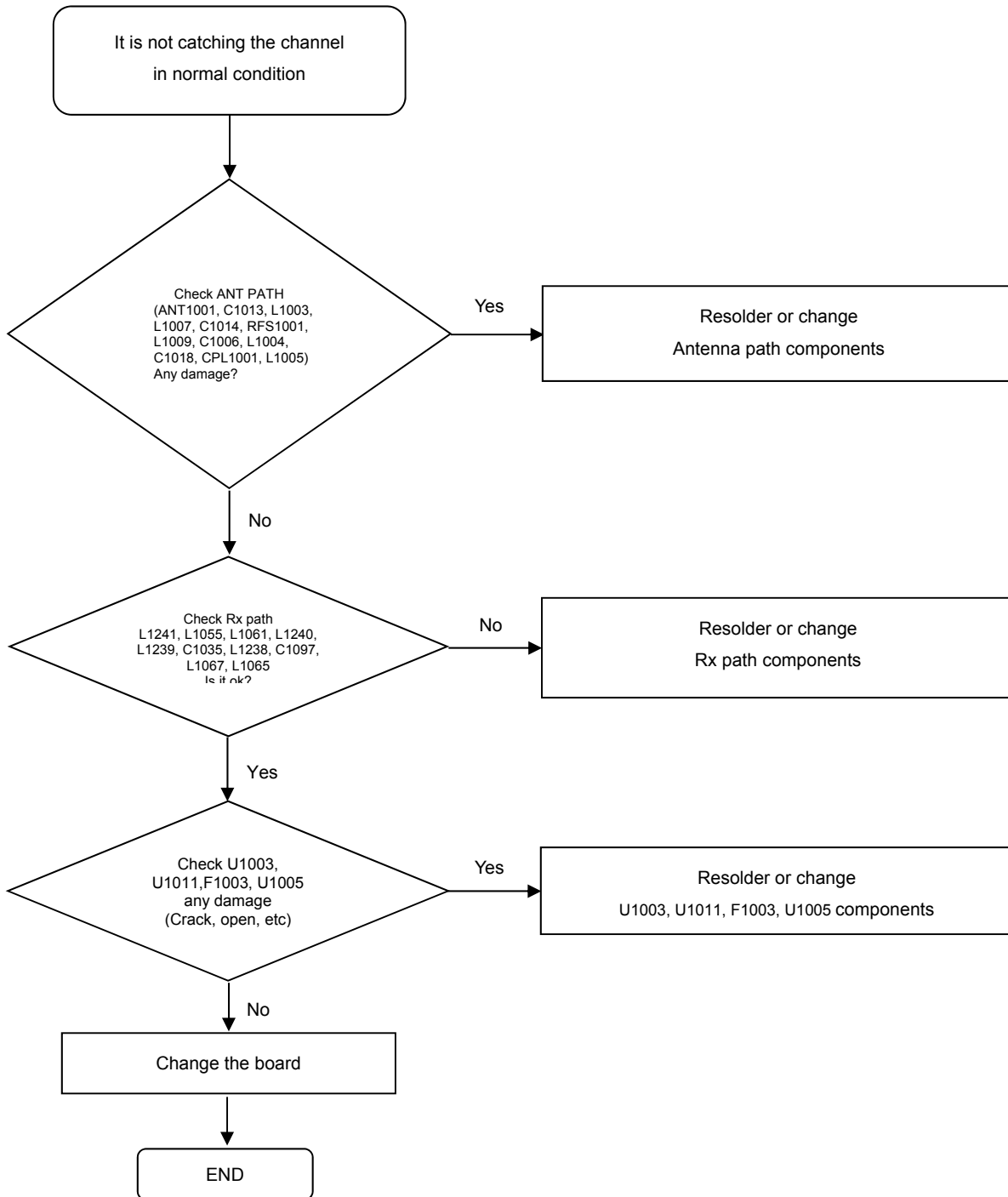
8-4-20. LTE B7 RX

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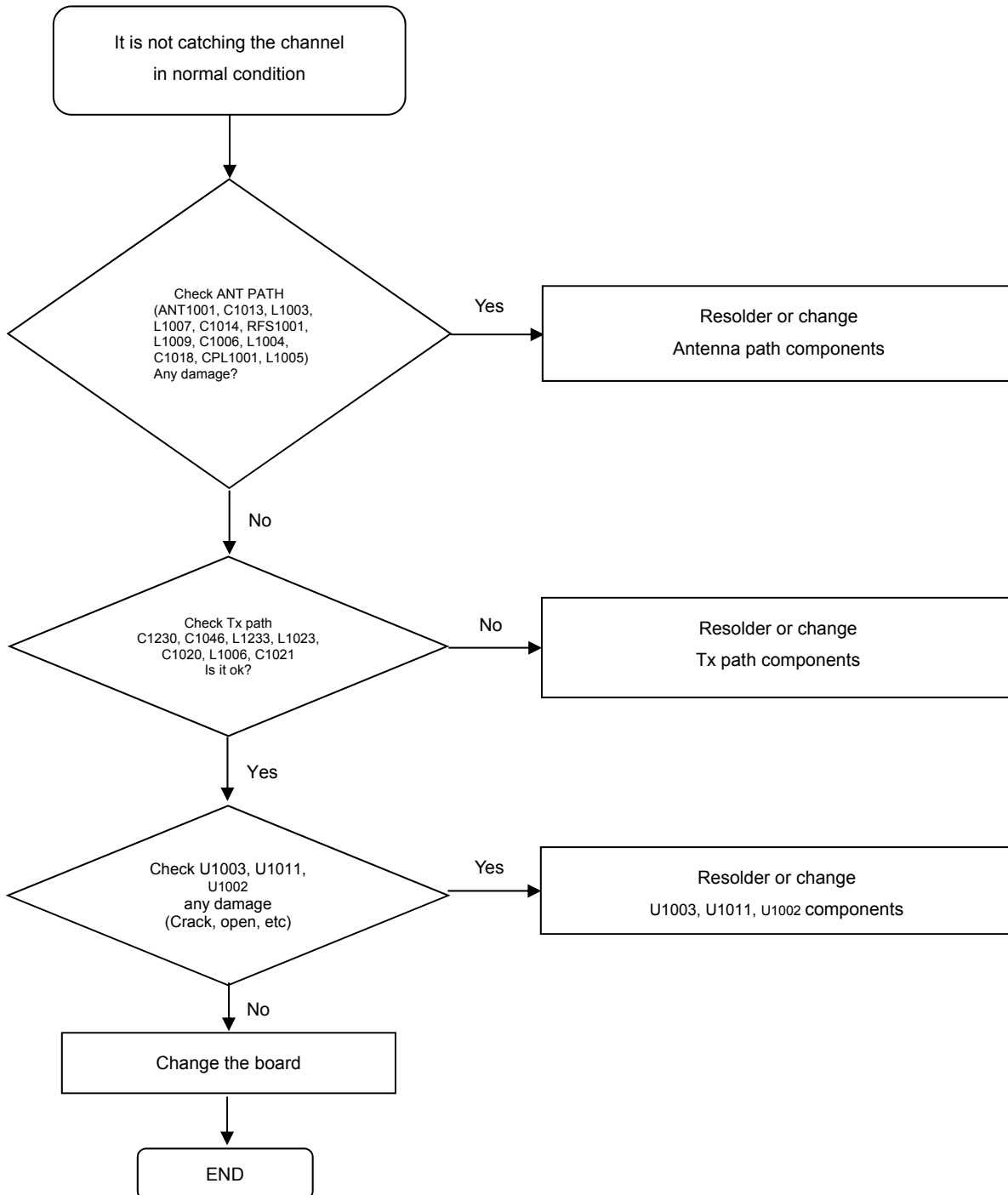
8. Level 3 Repair

8-4-21. LTE B40 RX



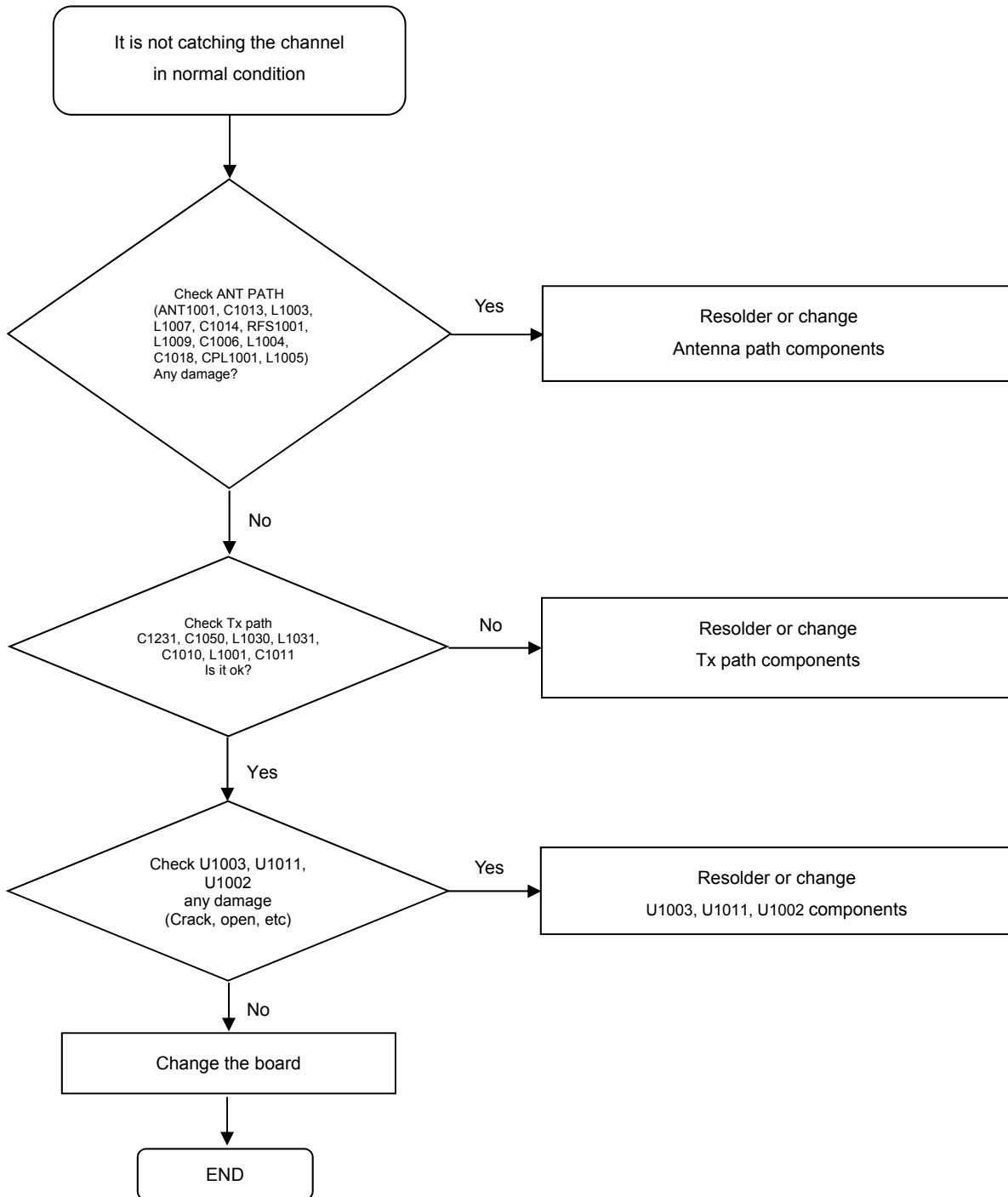
8. Level 3 Repair

8-4-22. GSM 850 / GSM900 TX



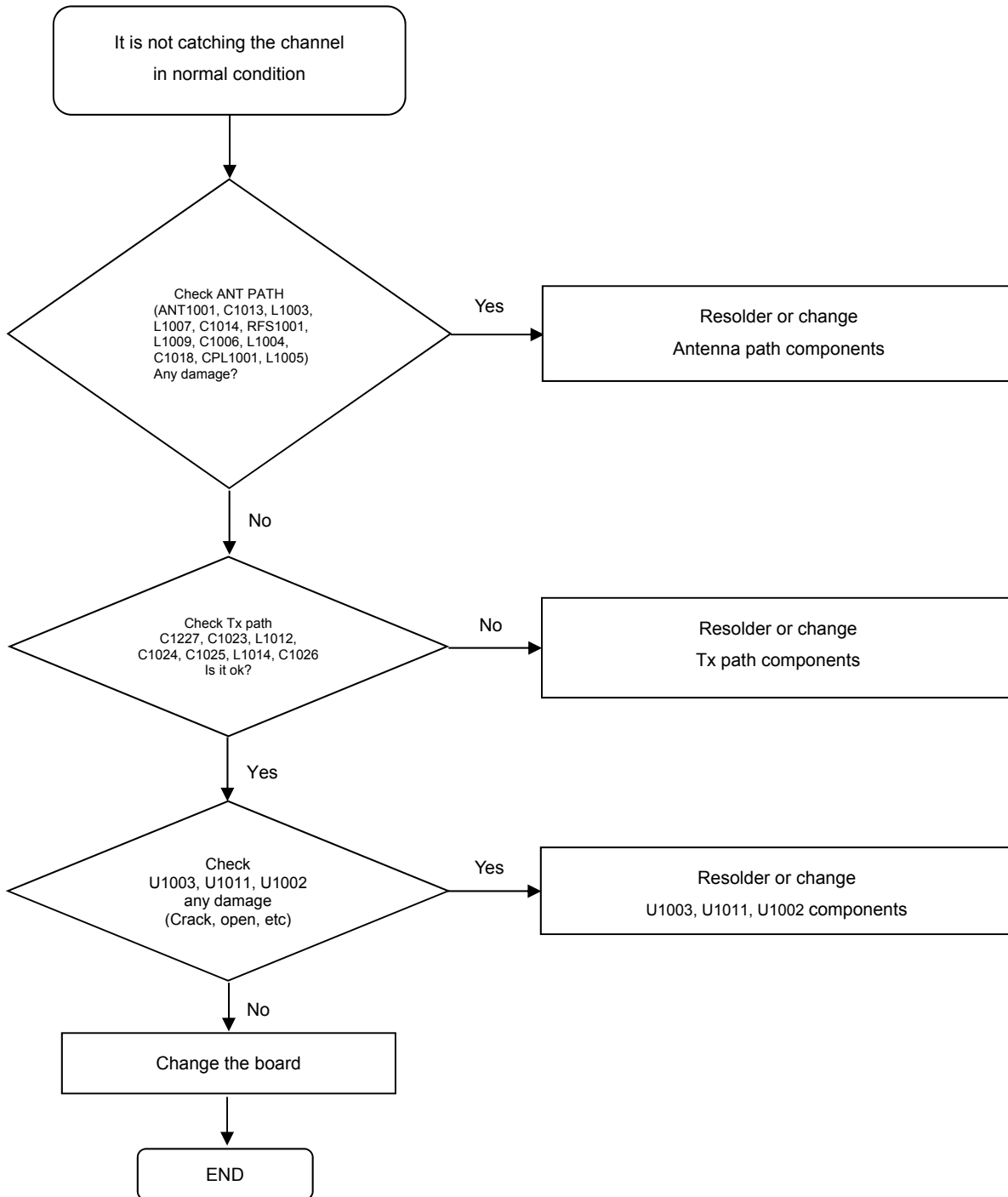
8. Level 3 Repair

8-4-23. GSM1800/ GSM1900 TX



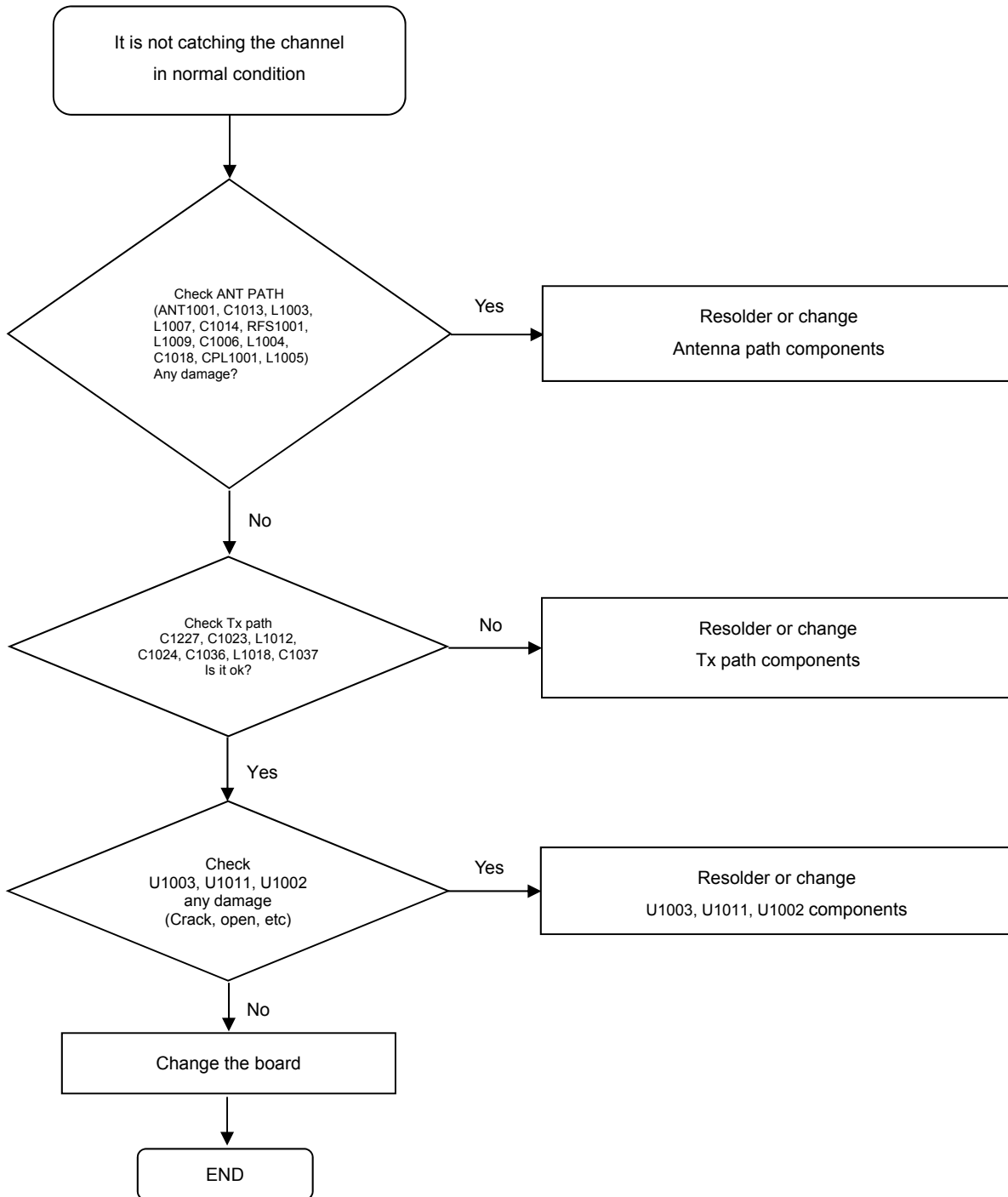
8. Level 3 Repair

8-4-24. LTE B1 TX



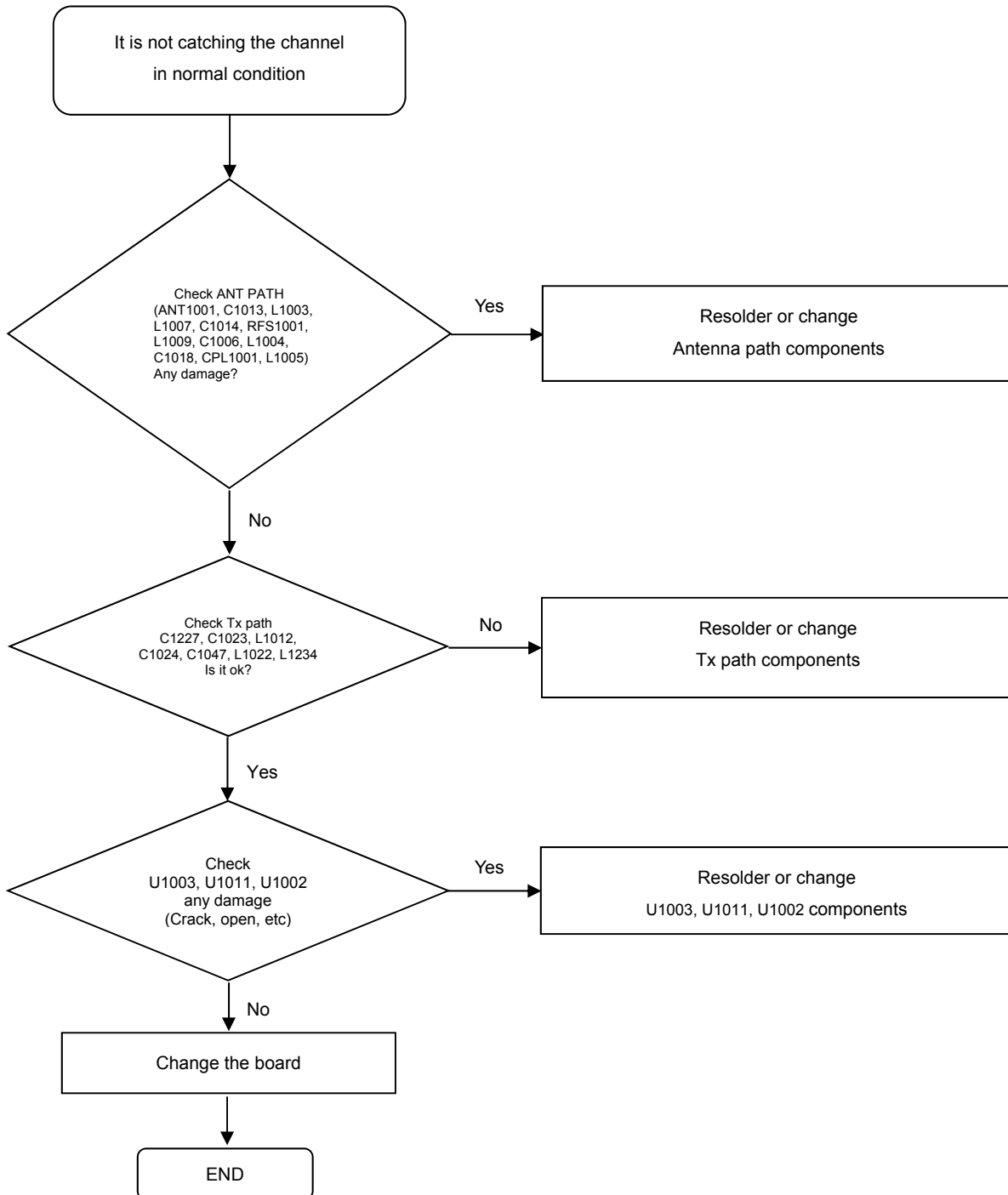
8. Level 3 Repair

8-4-25. LTE B2 TX



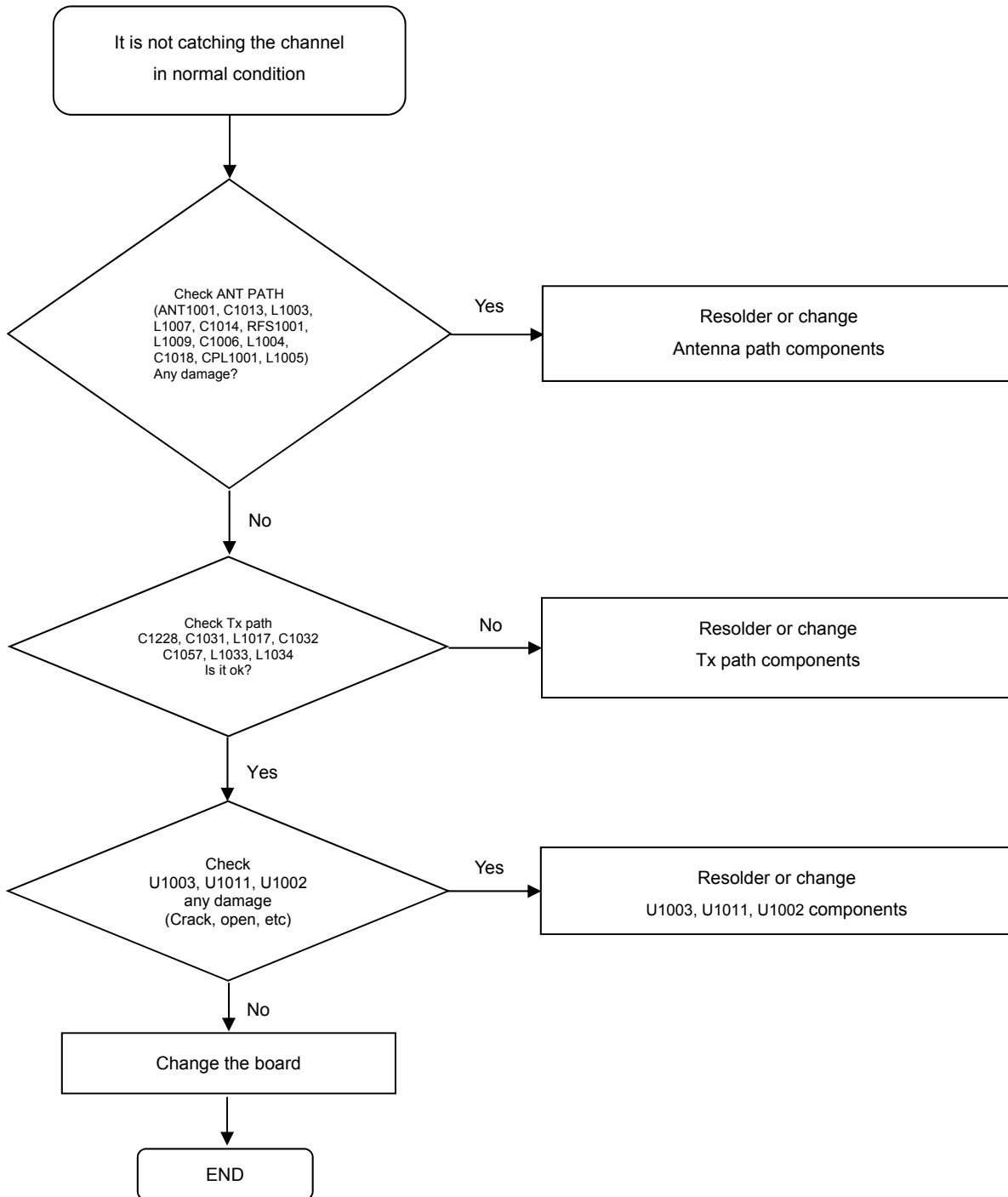
8. Level 3 Repair

8-4-26. LTE B3 TX



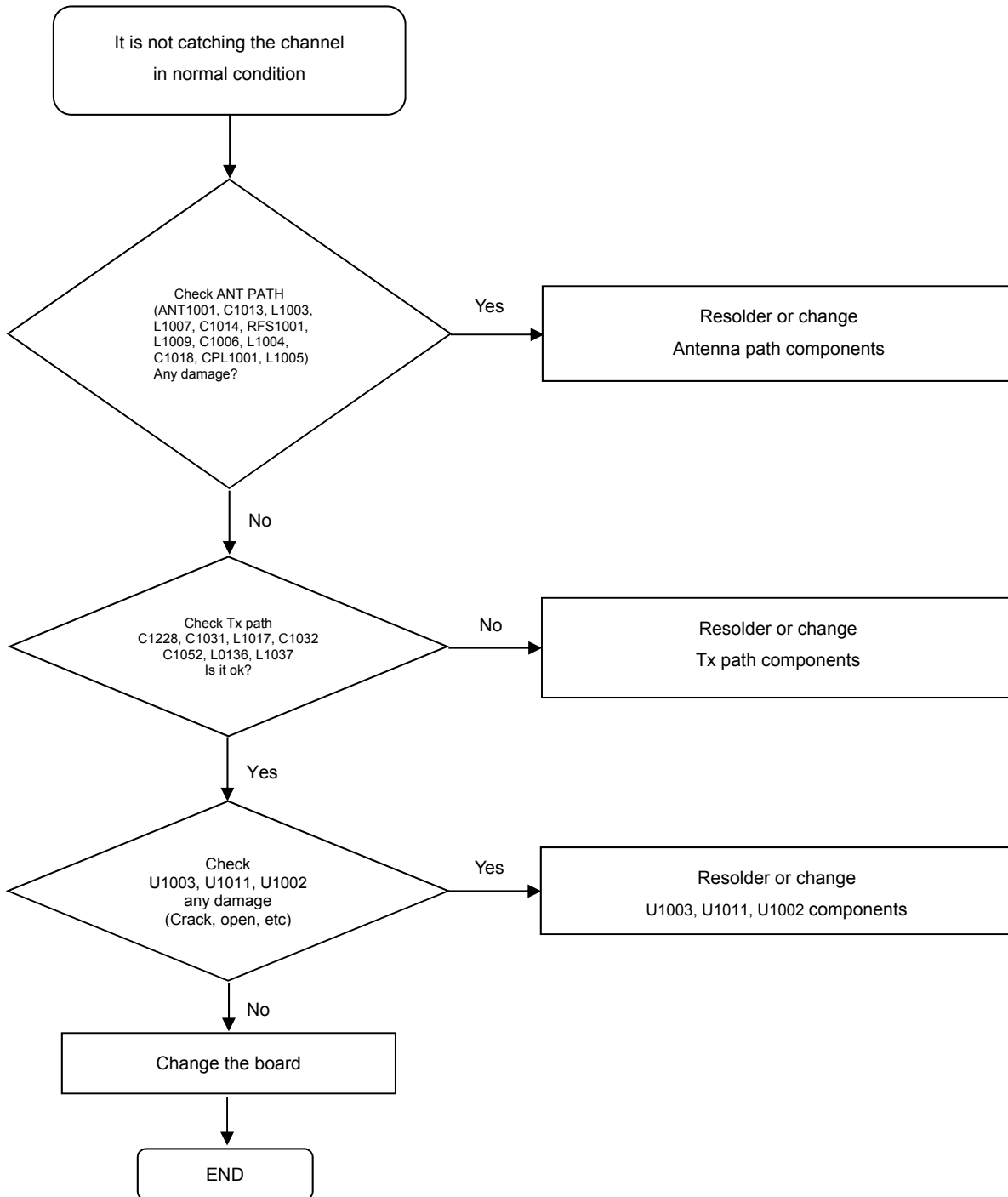
8. Level 3 Repair

8-4-27. LTE B5 TX



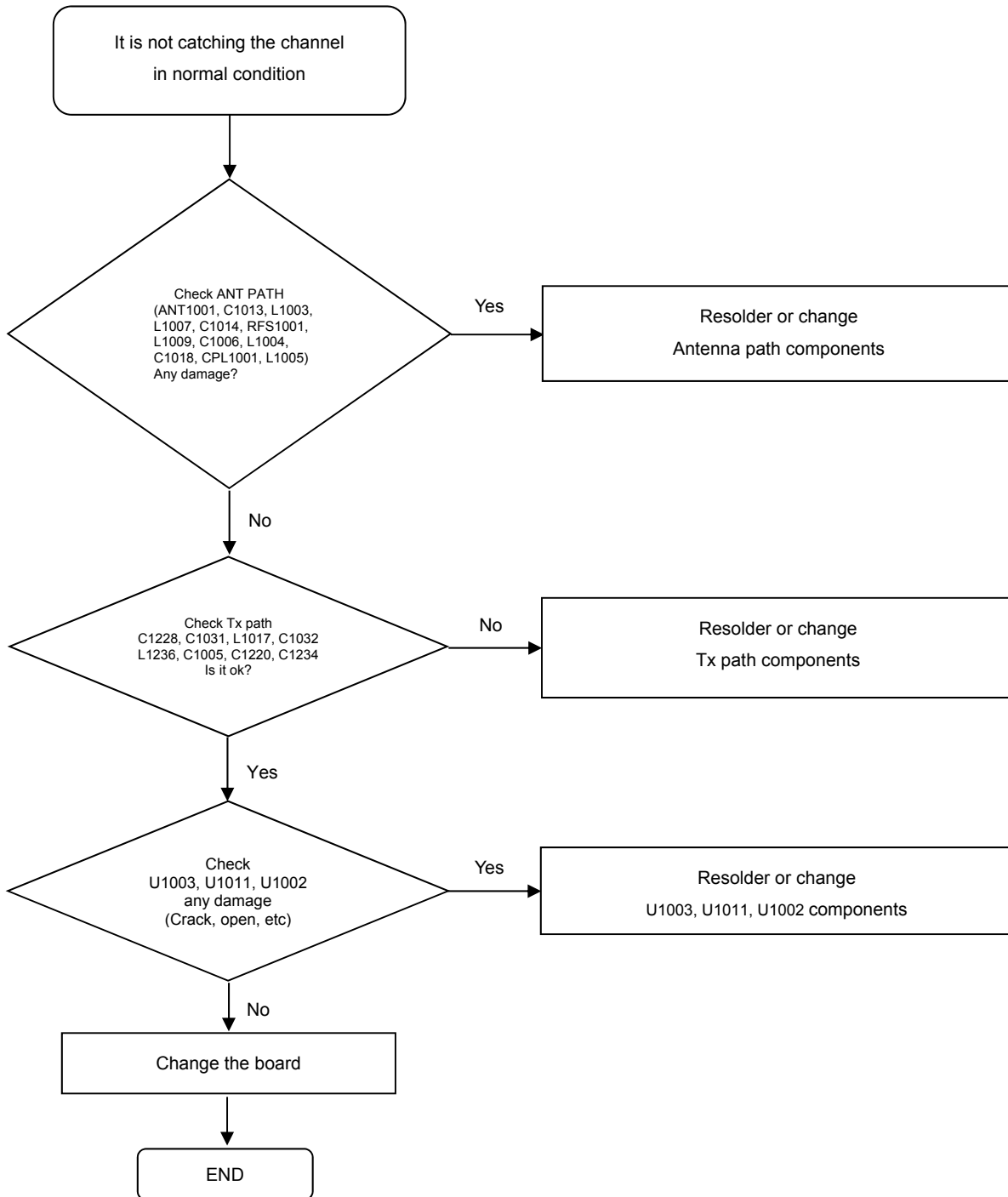
8. Level 3 Repair

8-4-28. LTE B8 TX



8. Level 3 Repair

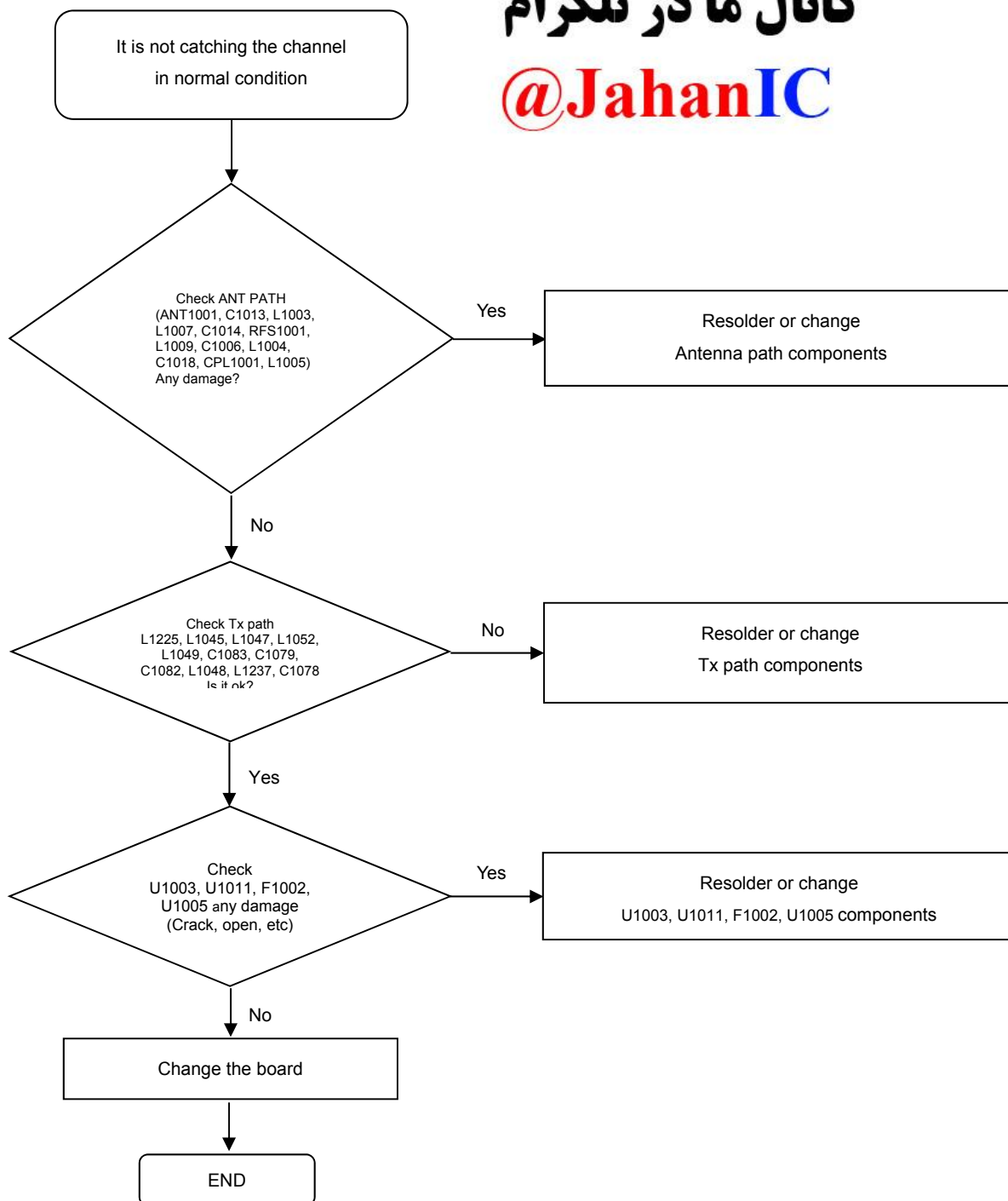
8-4-29. LTE B20 TX



8. Level 3 Repair

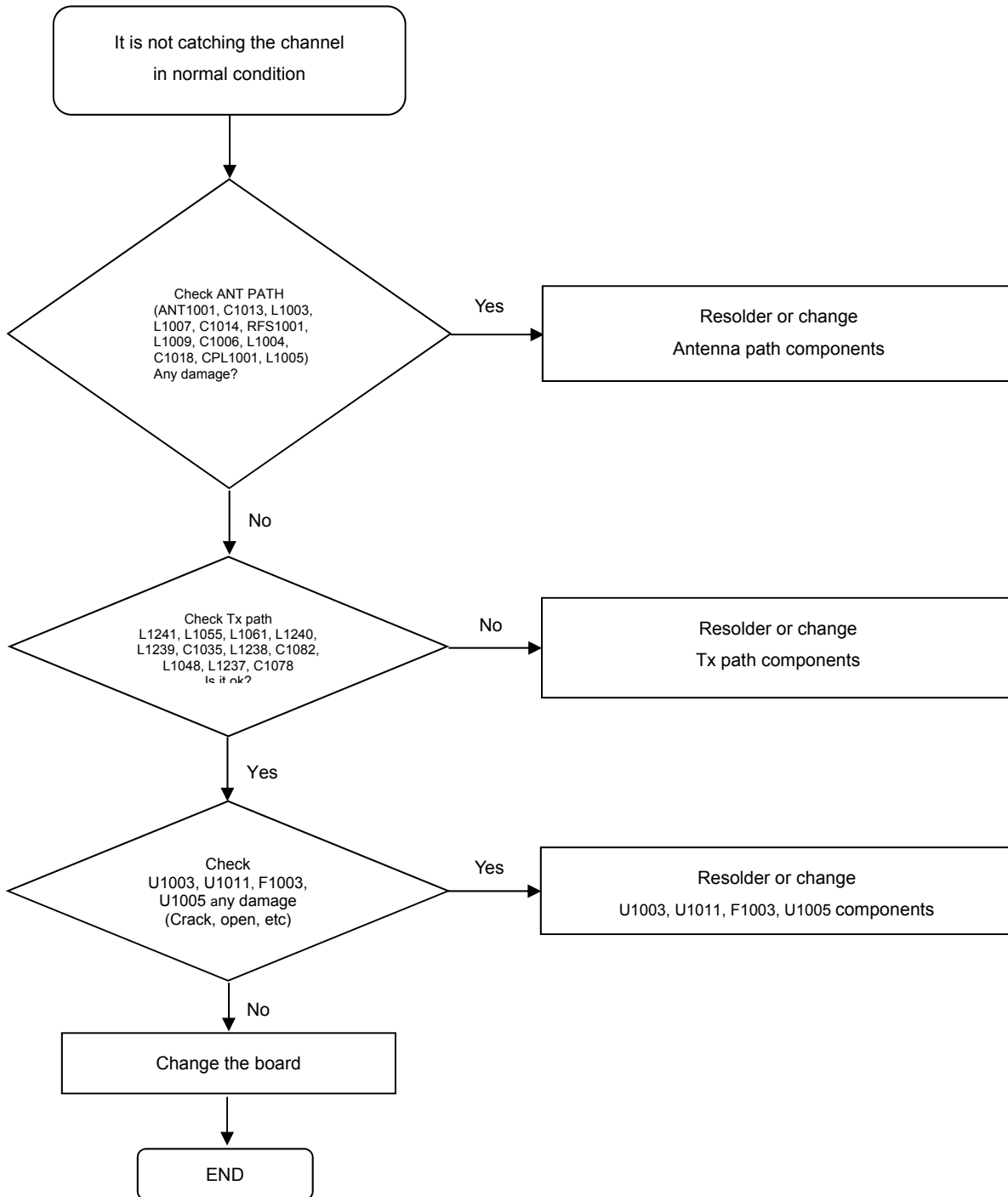
8-4-30. LTE B7 TX

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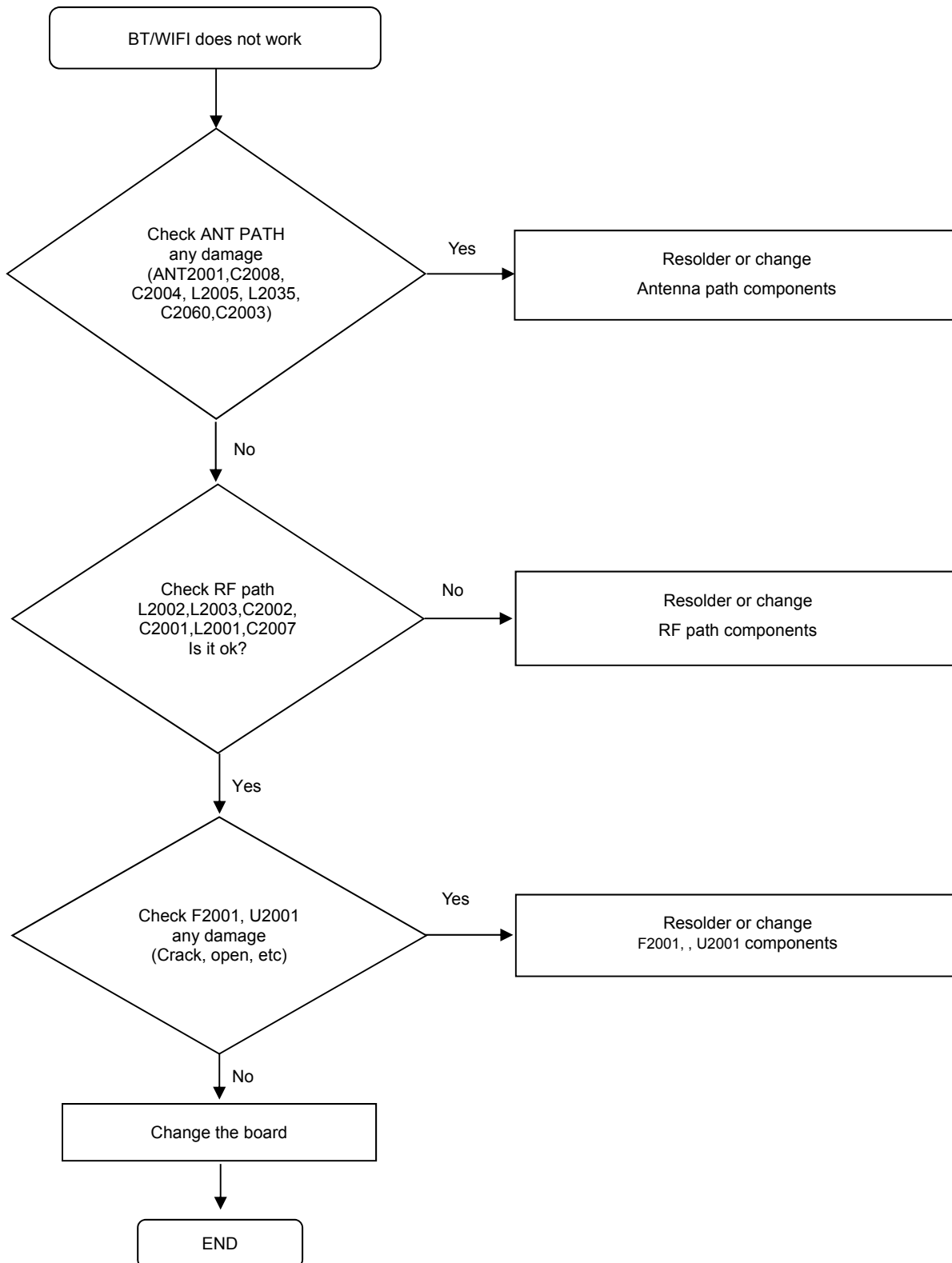
8. Level 3 Repair

8-4-31. LTE B40 TX



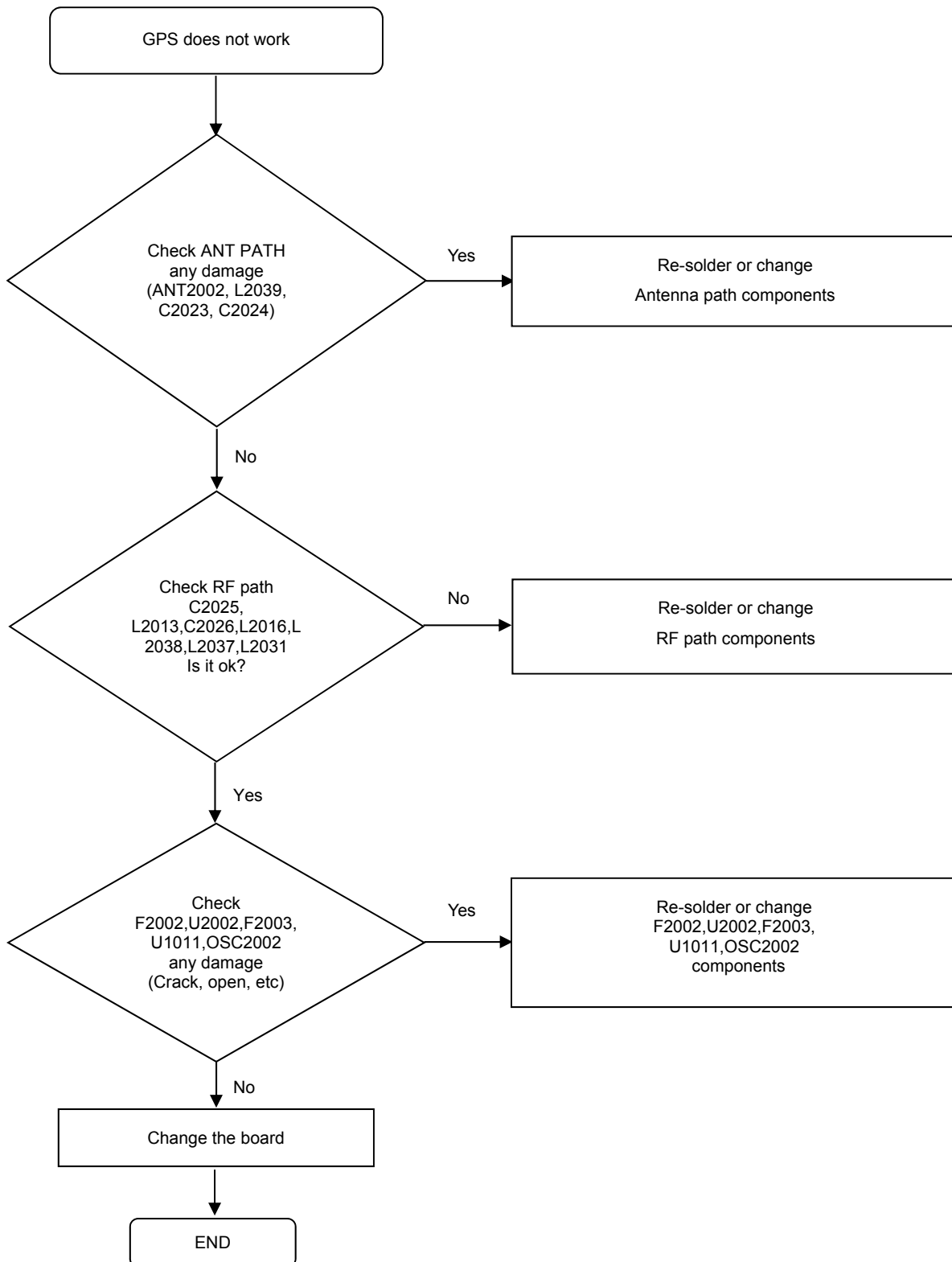
8. Level 3 Repair

8-4-32. BT/WLAN



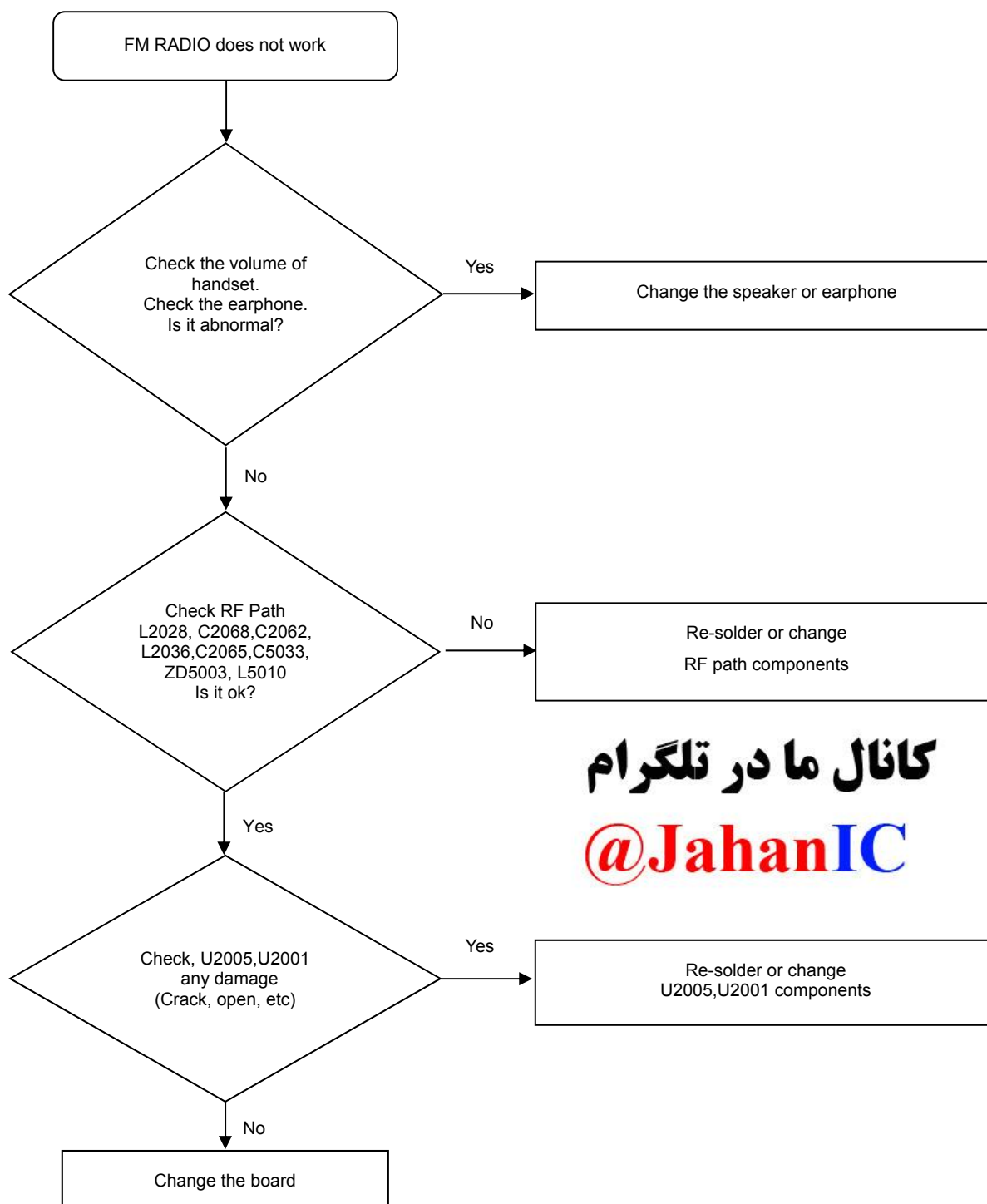
8. Level 3 Repair

8-4-33. GPS



8. Level 3 Repair

8-4-34. FM RADIO



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