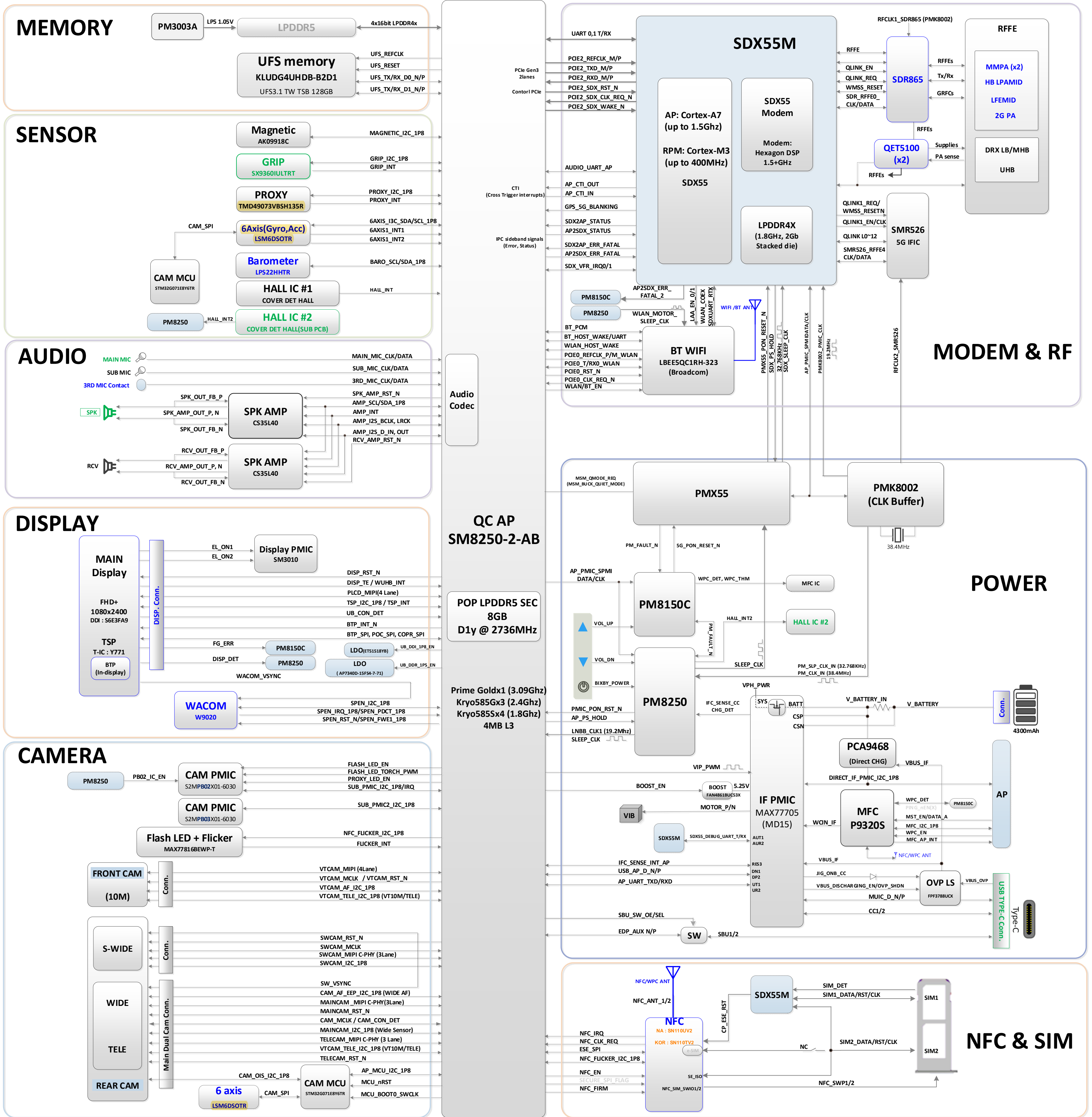


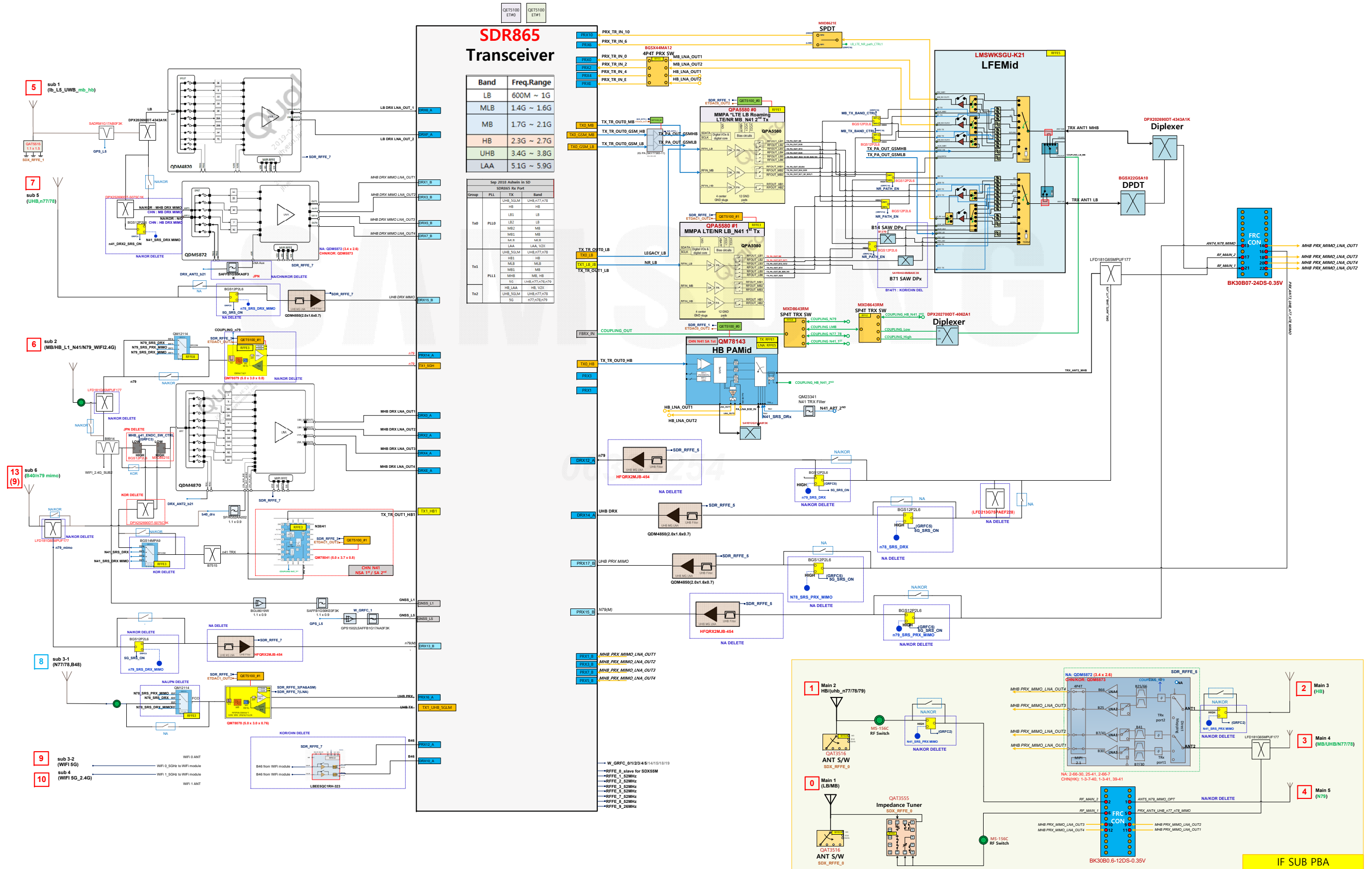
USB/SUB PCB Slave

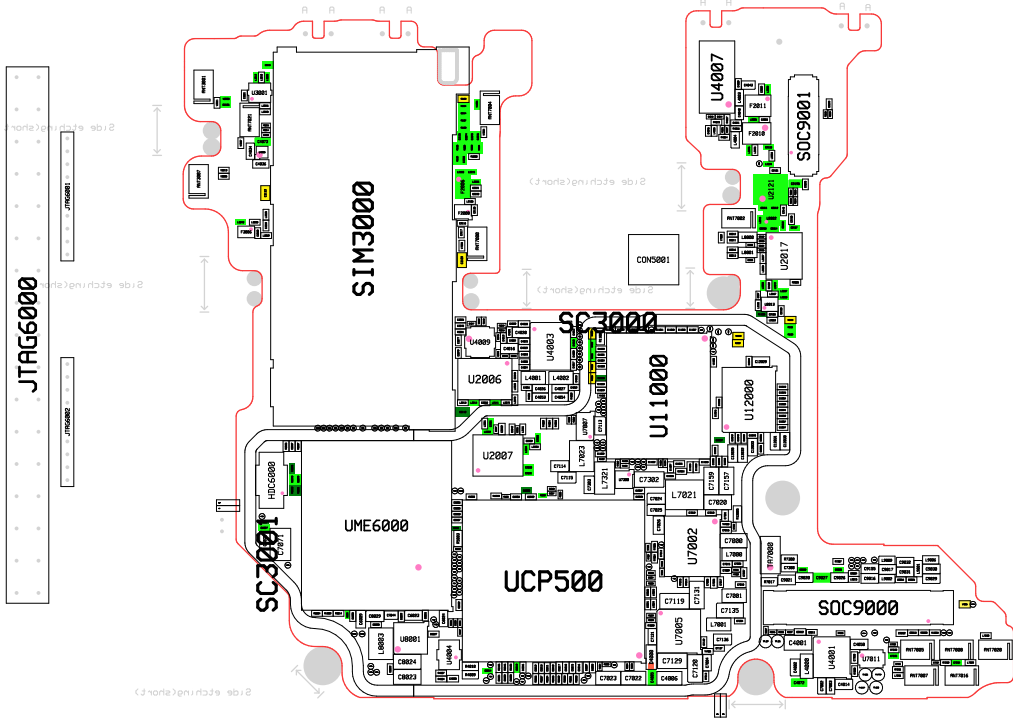


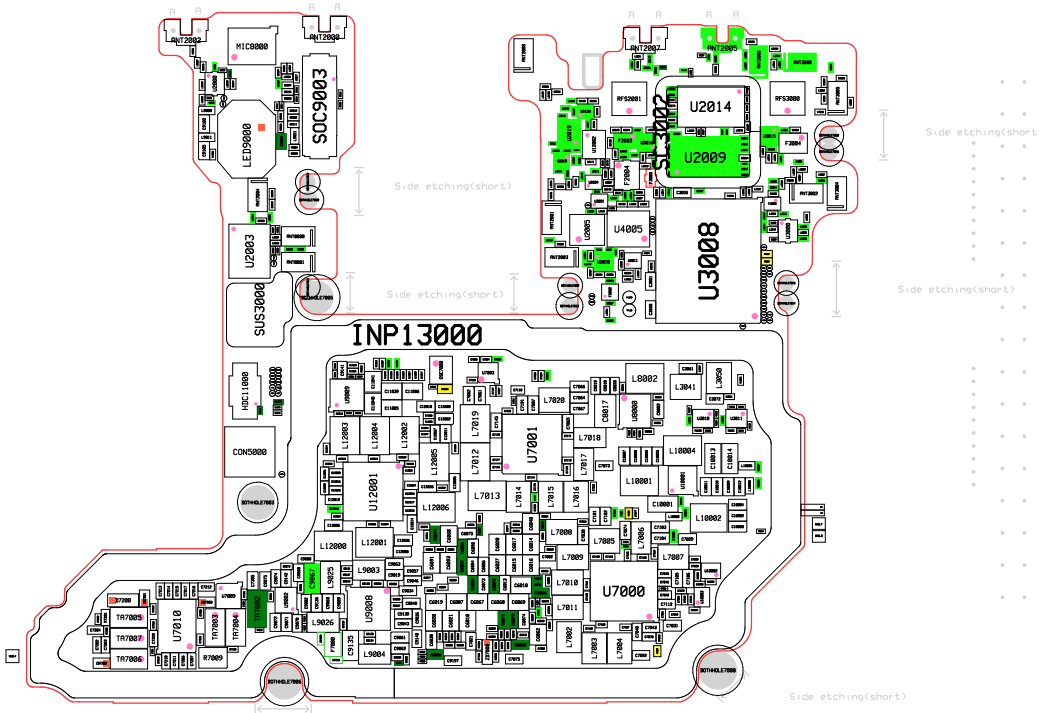
C1_NR_TDD_APT_N41 1T4R@NSA_2T4R@SA_0606(CHN NR APT)

	LMH MMPA	LMH MMPA	HB LPAMid	n41	UHB
	QPA5580 #0	QPA5580 #1	QM78143	QM78041 QPA5580#1	QM78078/9
	QETS100#0	QETS100#1	QETS100#0	QETS100#1	QETS100#1
	TX0	TX1	TX0	TX1	TX1
LTE	B5/B6/14/20/28 B1/2/3/4/25/66/34/39	B5/B6/12/13/26/71	B7/30/40/41		
NR	n1/2/5/66	n5/12/71		n41	n77/78/79
	n41 (APT 2nd)	n41 (APT 1st)			

	LTE+NR		LB + MB		LB + HB		MB + HB		B26 / B8		n41		MB + n41		HB + n41		B5		n78		MB + UHB		HB + UHB	
Plan A	QPA5580 #1	QPA5580 #0	QPA5580 #1	QM78143	QPA5580 #1	QM78143	QPA5580 #1	QM78143	QPA5580 #0	QPA5580 #1	QM78041 QPA5580 #1	QPA5580 #0	QM78041 QPA5580 #1	QPA5580 #0	QM78143	QPA5580 #1	QPA5580 #0	QM78078/9	QPA5580 #0	QM78078/9	QPA5580 #0	QM78078/9	QM78143	QM78078/9
ETDAC	1	0	1	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
PLL	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
TX Chain	1	0	1	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
Reverse	MB + LB	MB + LB	HB + LB	HB + LB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB	HB + MB
ETDAC	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
PLL	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
TX Chain	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1

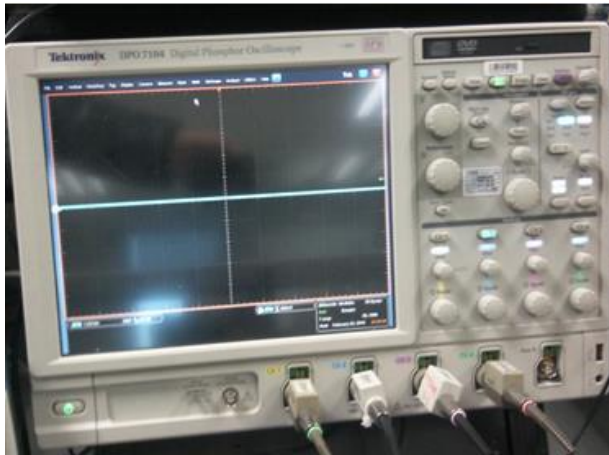






8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



Oscilloscope



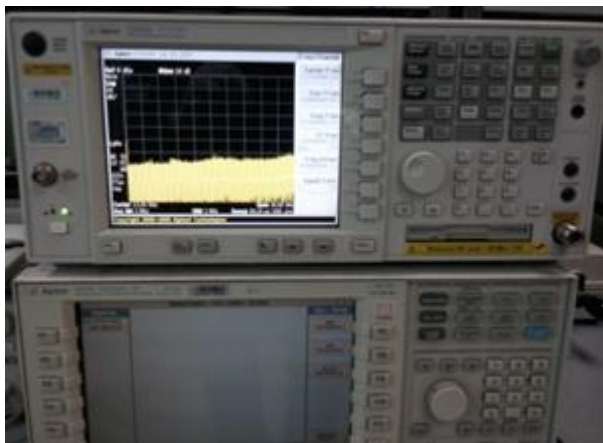
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



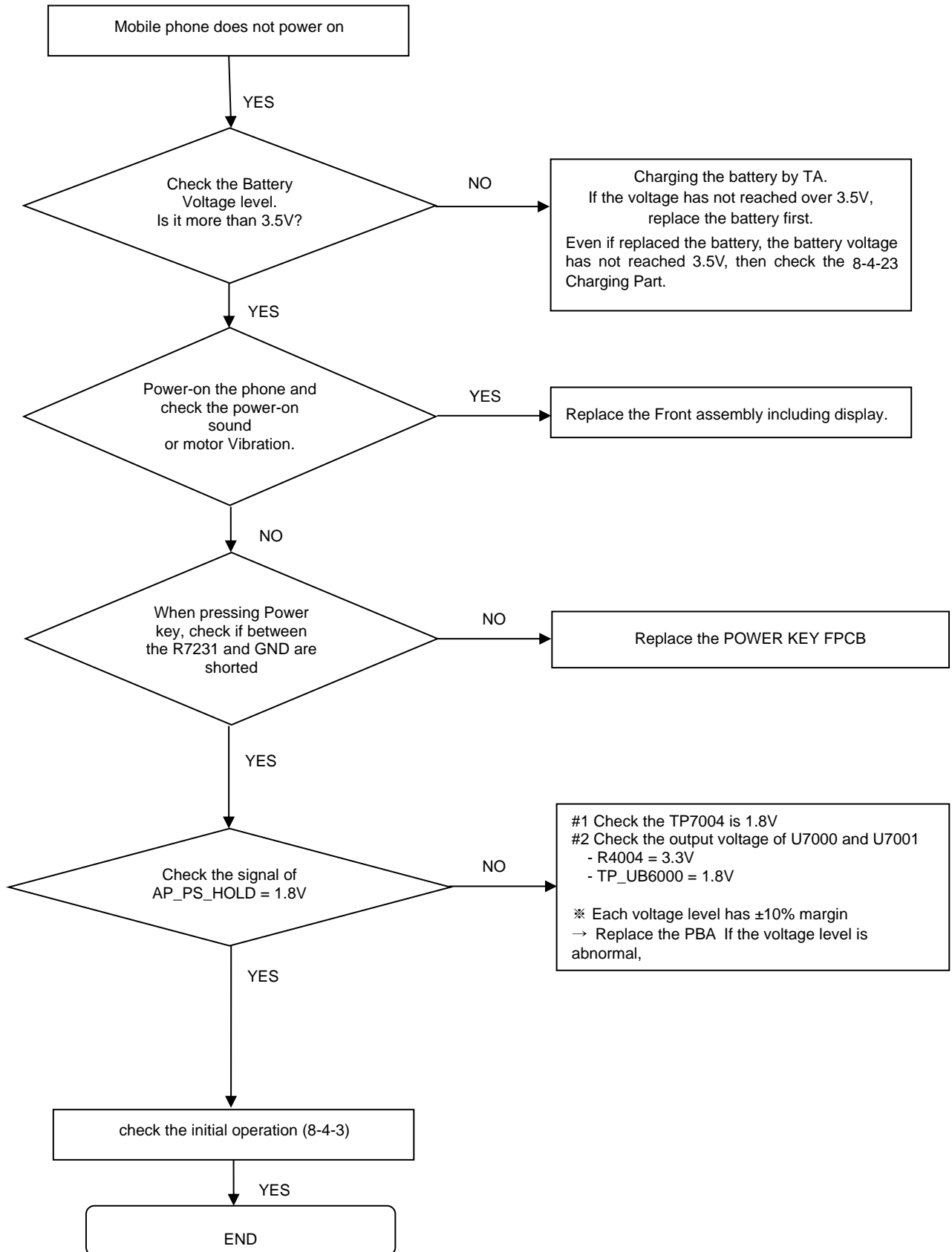
8960 & Spectrum Analyzer



Soldering iron

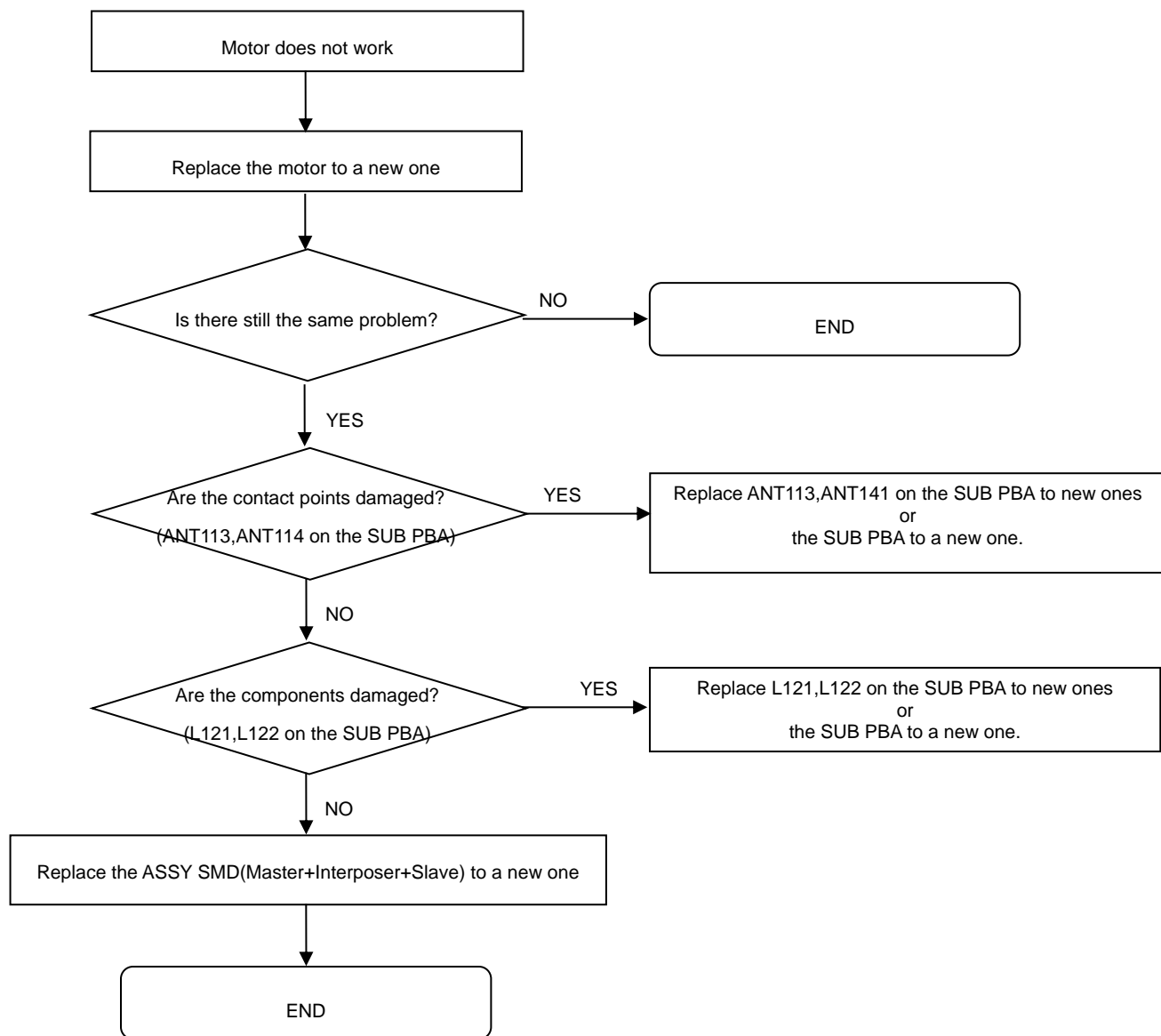
8. Level 3 Repair

8-4-1. Power on



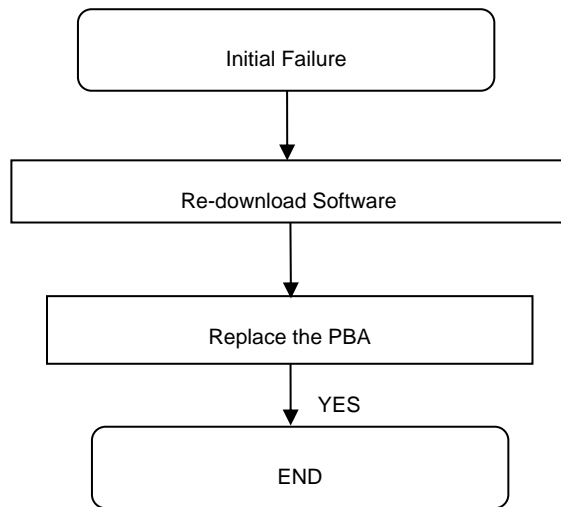
8. Level 3 Repair

8-4-2. Motor



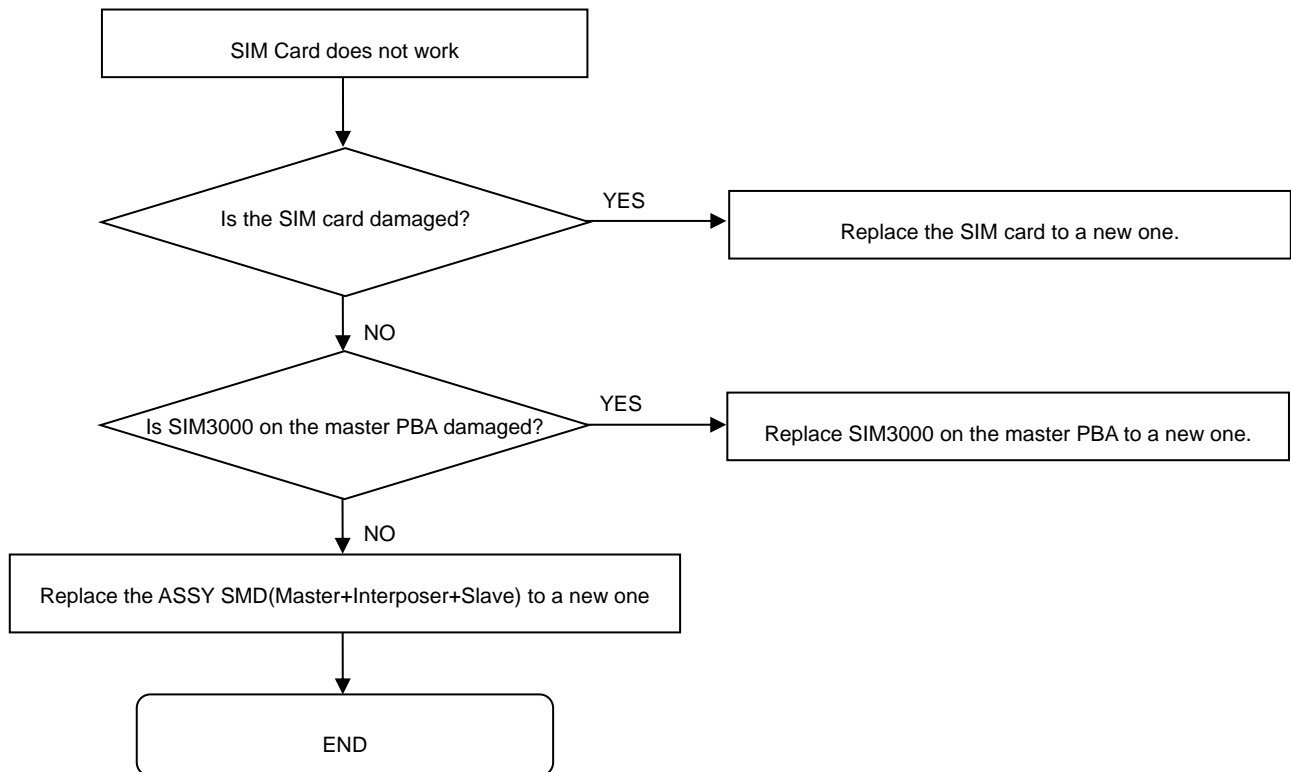
8. Level 3 Repair

8-4-3. initial



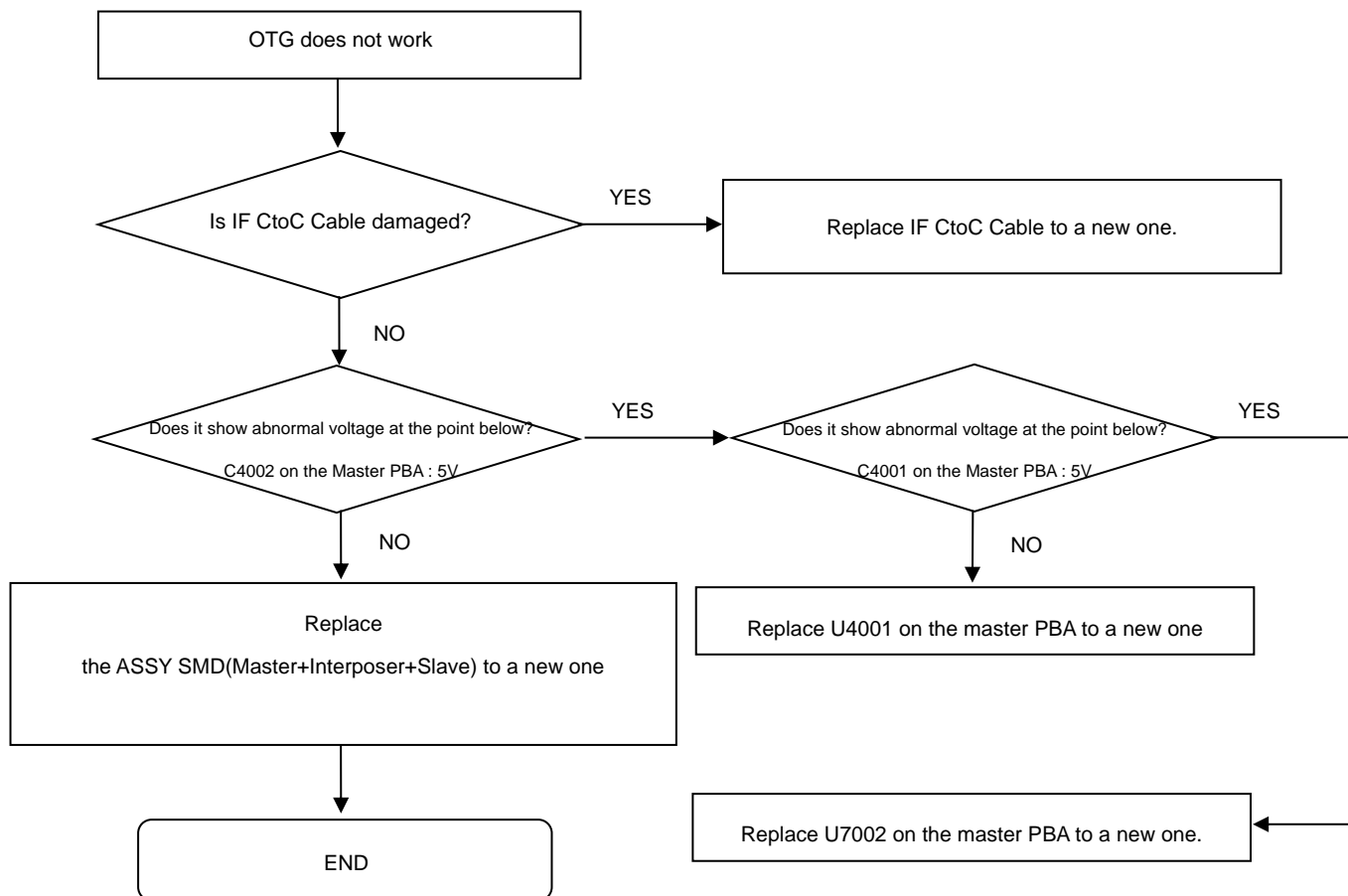
8. Level 3 Repair

8-4-4. SIM PART



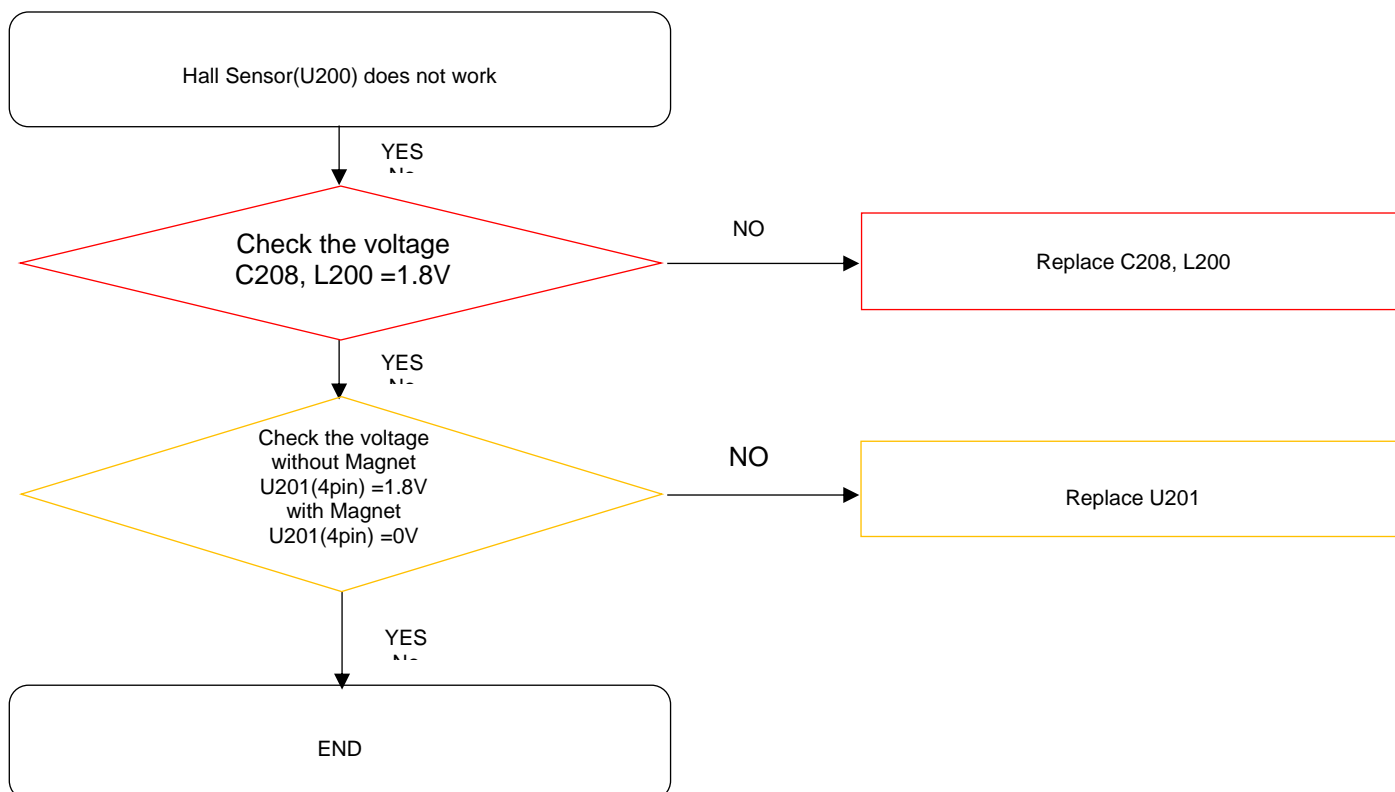
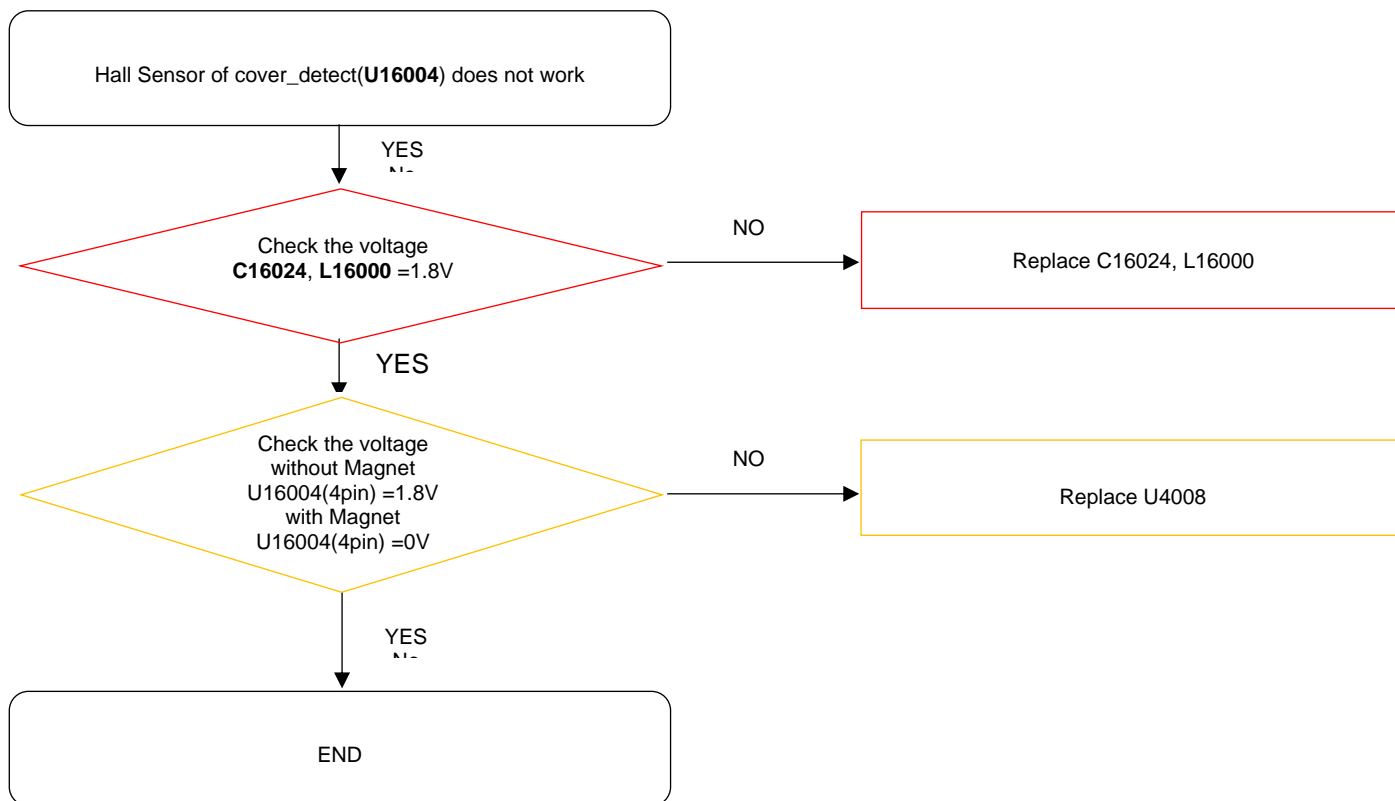
8. Level 3 Repair

8-4-5. OTG



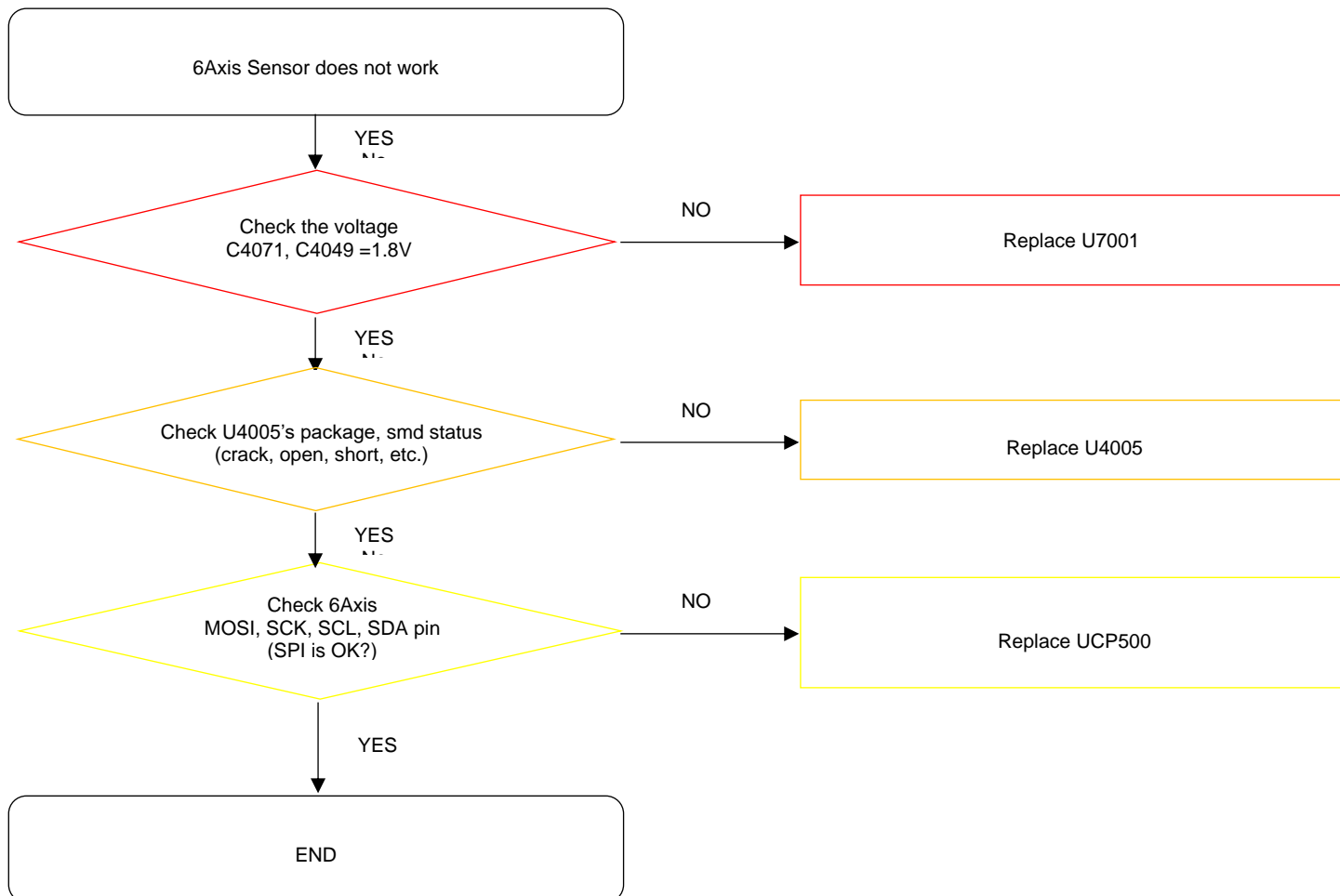
8. Level 3 Repair

8-4-6. Hall IC



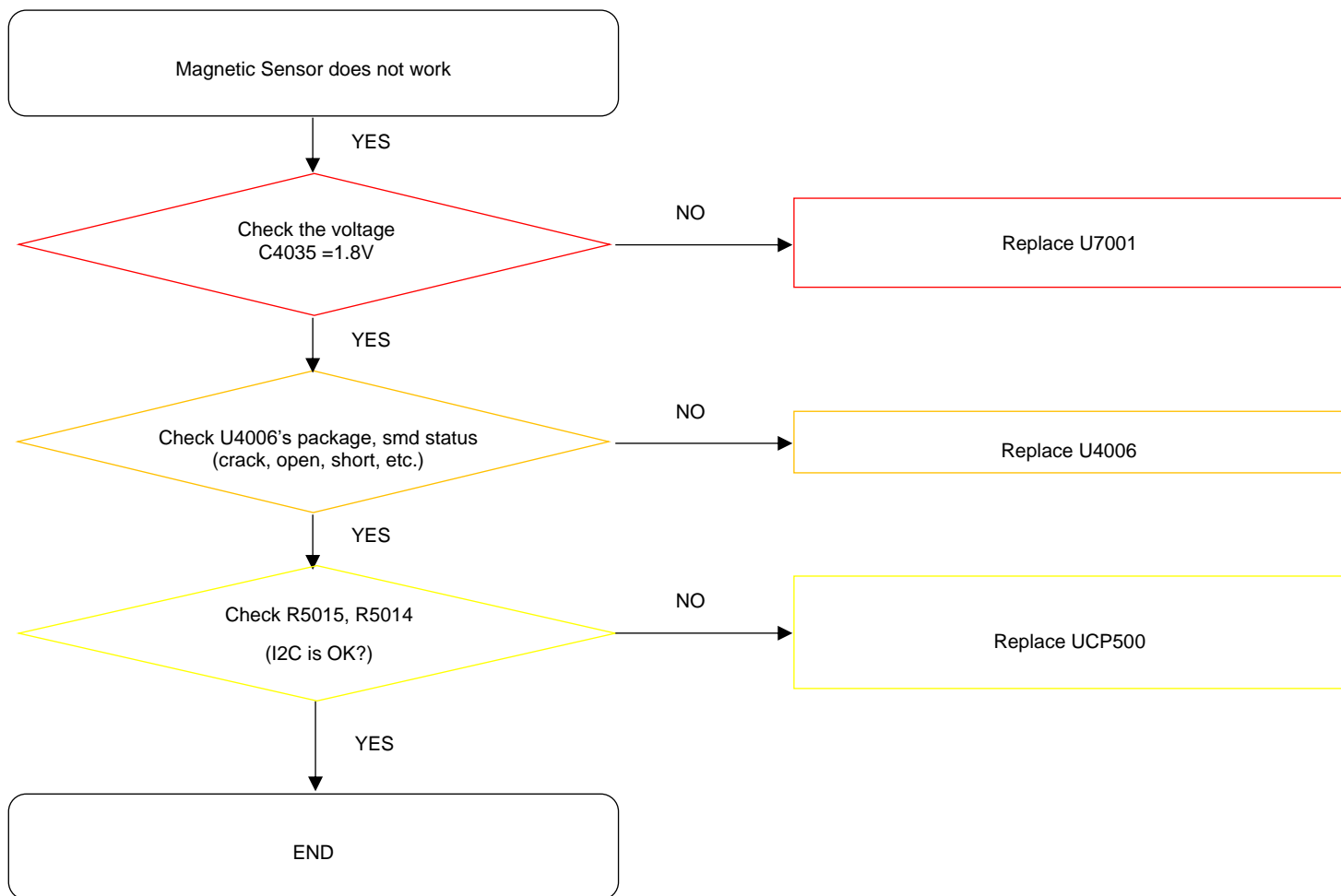
8. Level 3 Repair

8-4-7. 6-Axis sensor



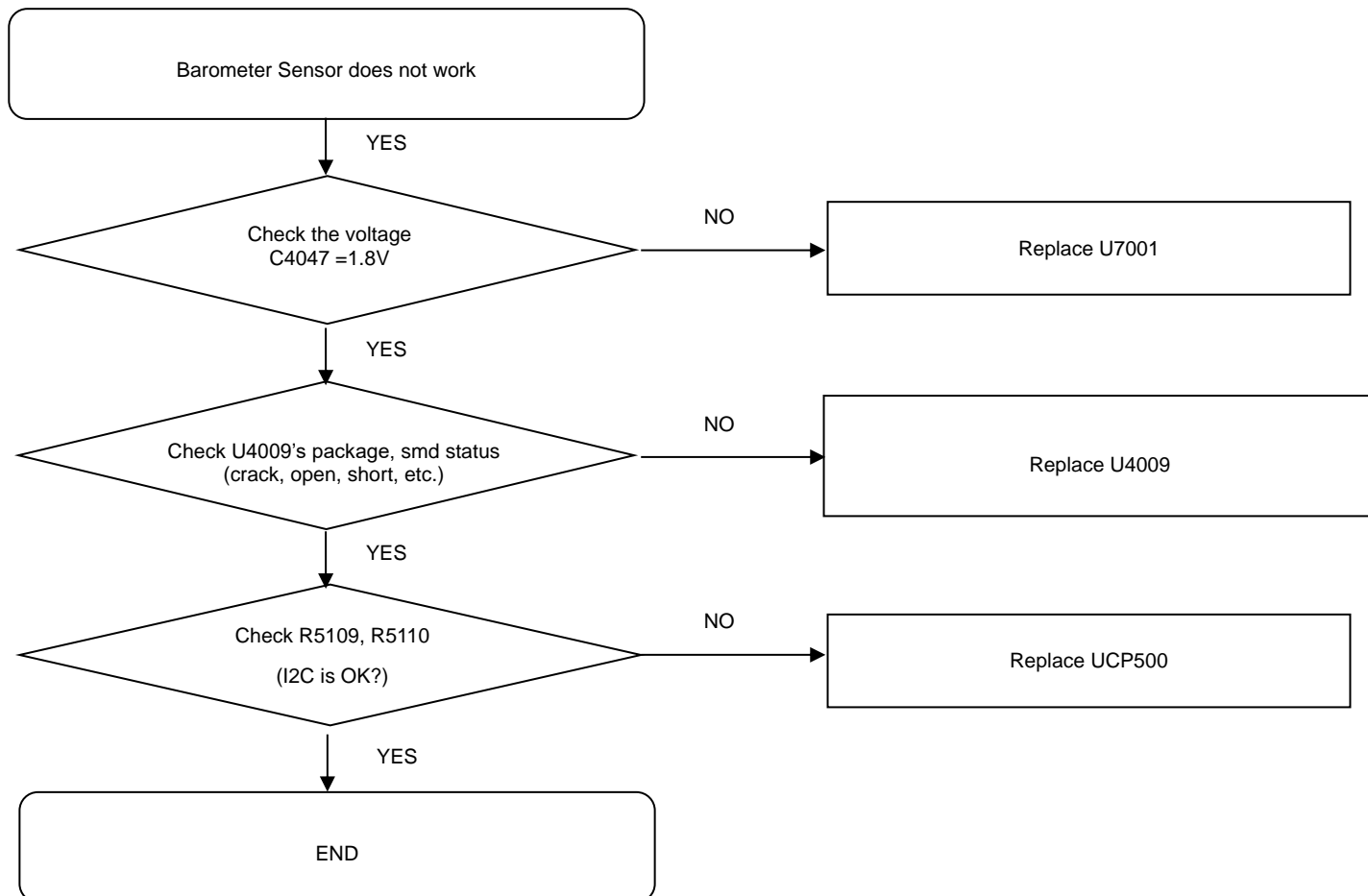
8. Level 3 Repair

8-4-8. Magnetic sensor



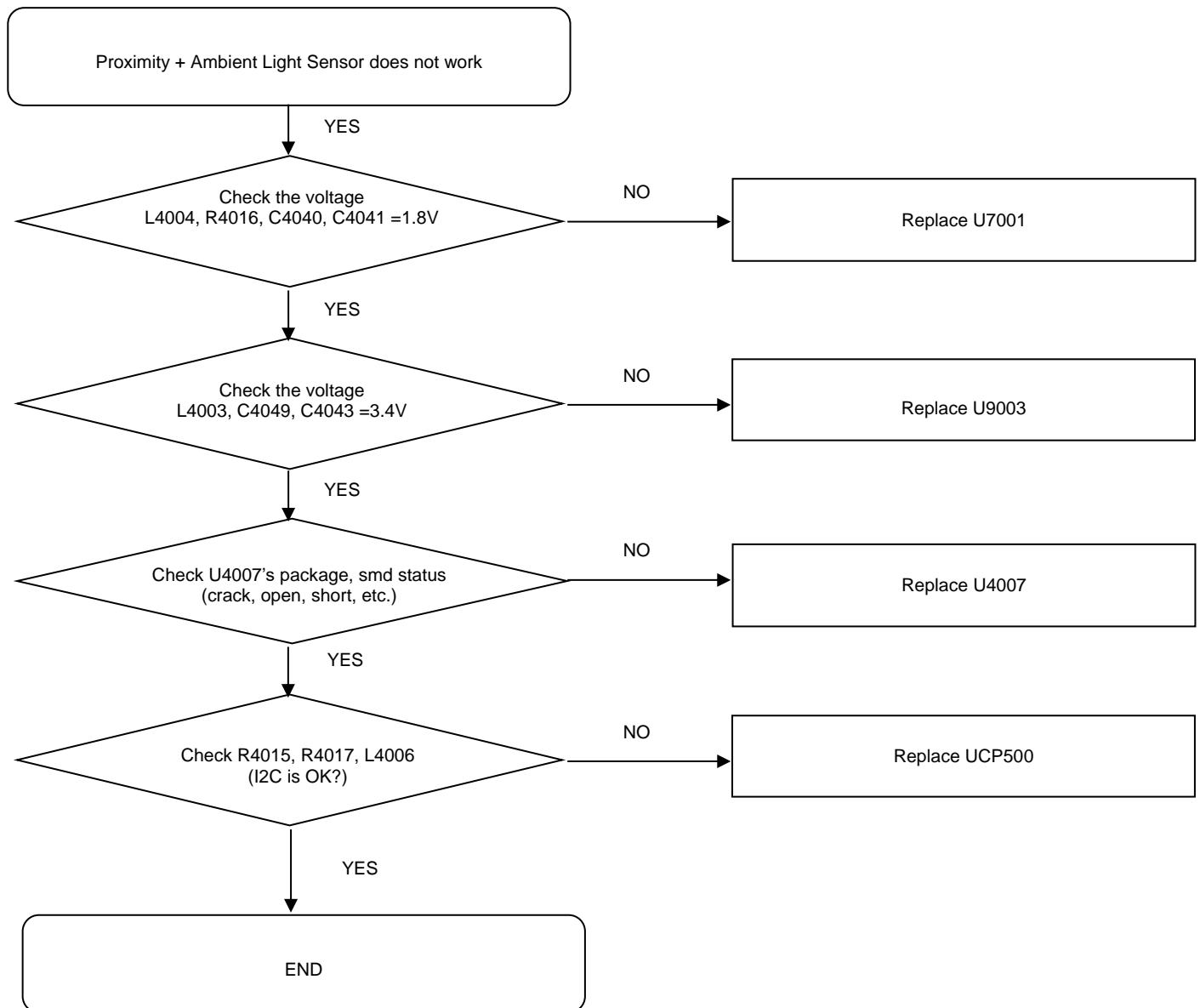
8. Level 3 Repair

8-4-9. Barometer sensor



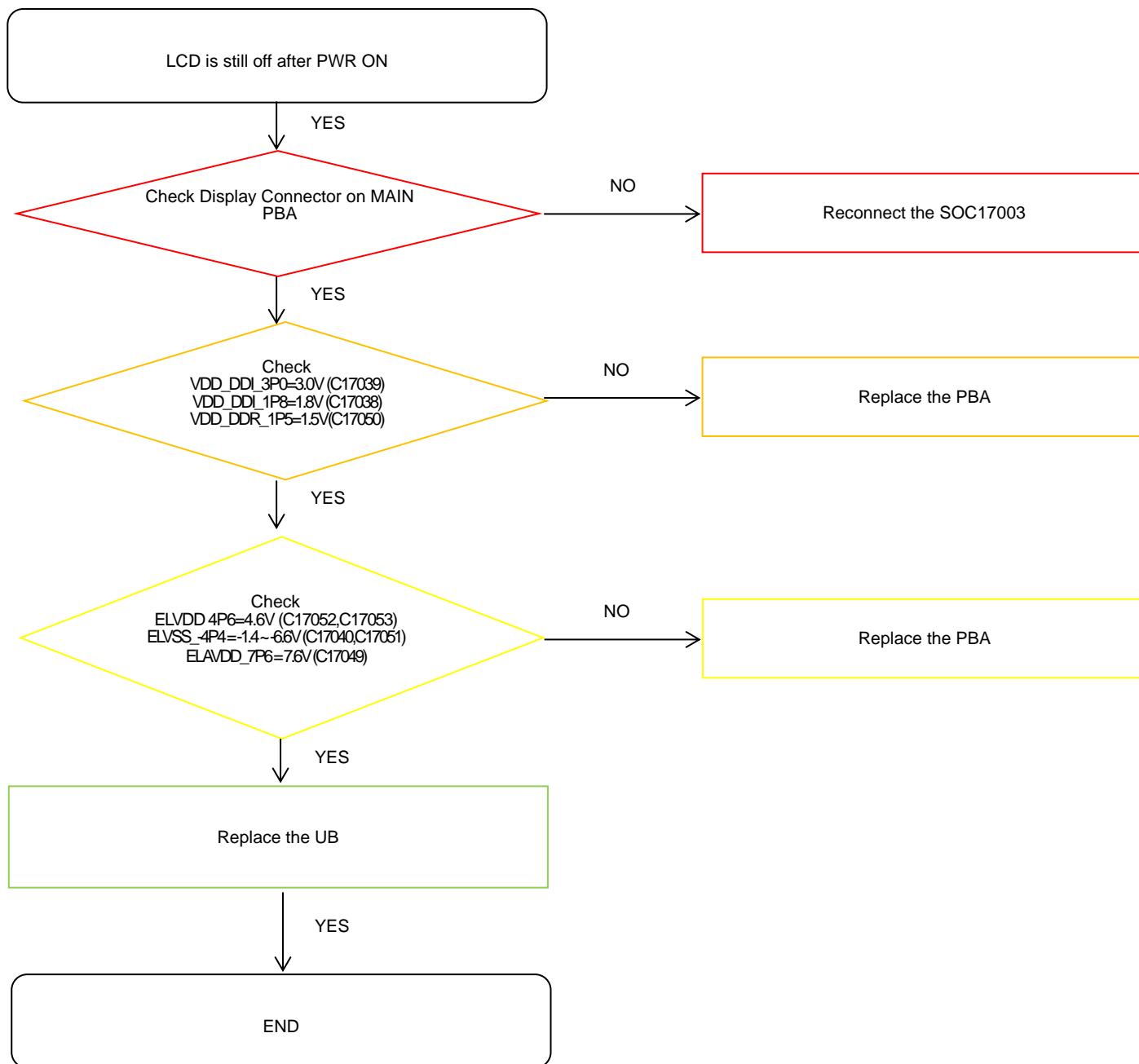
8. Level 3 Repair

8-4-10. Proximity/Ambient Light sensor



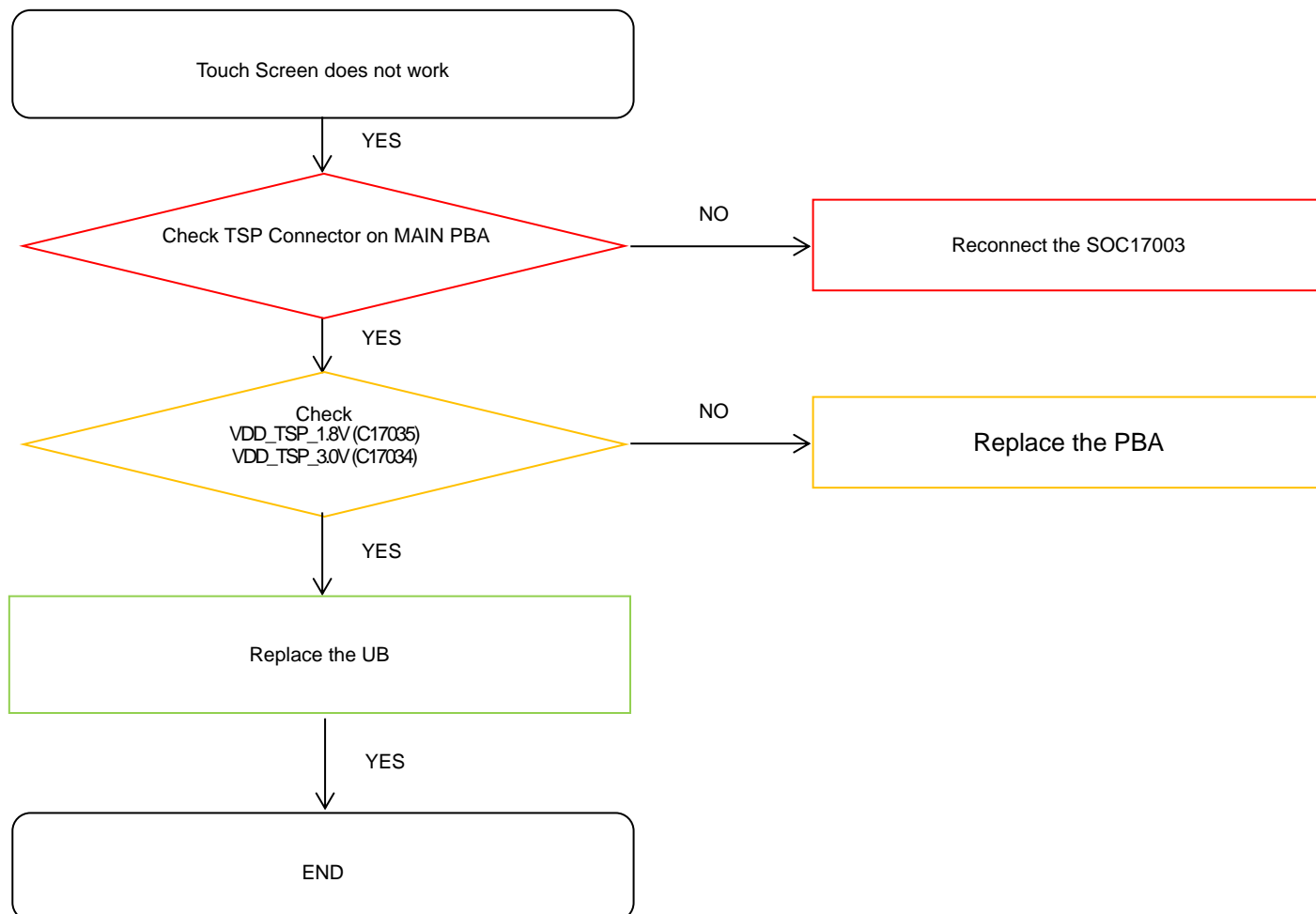
8. Level 3 Repair

8-4-11. Display



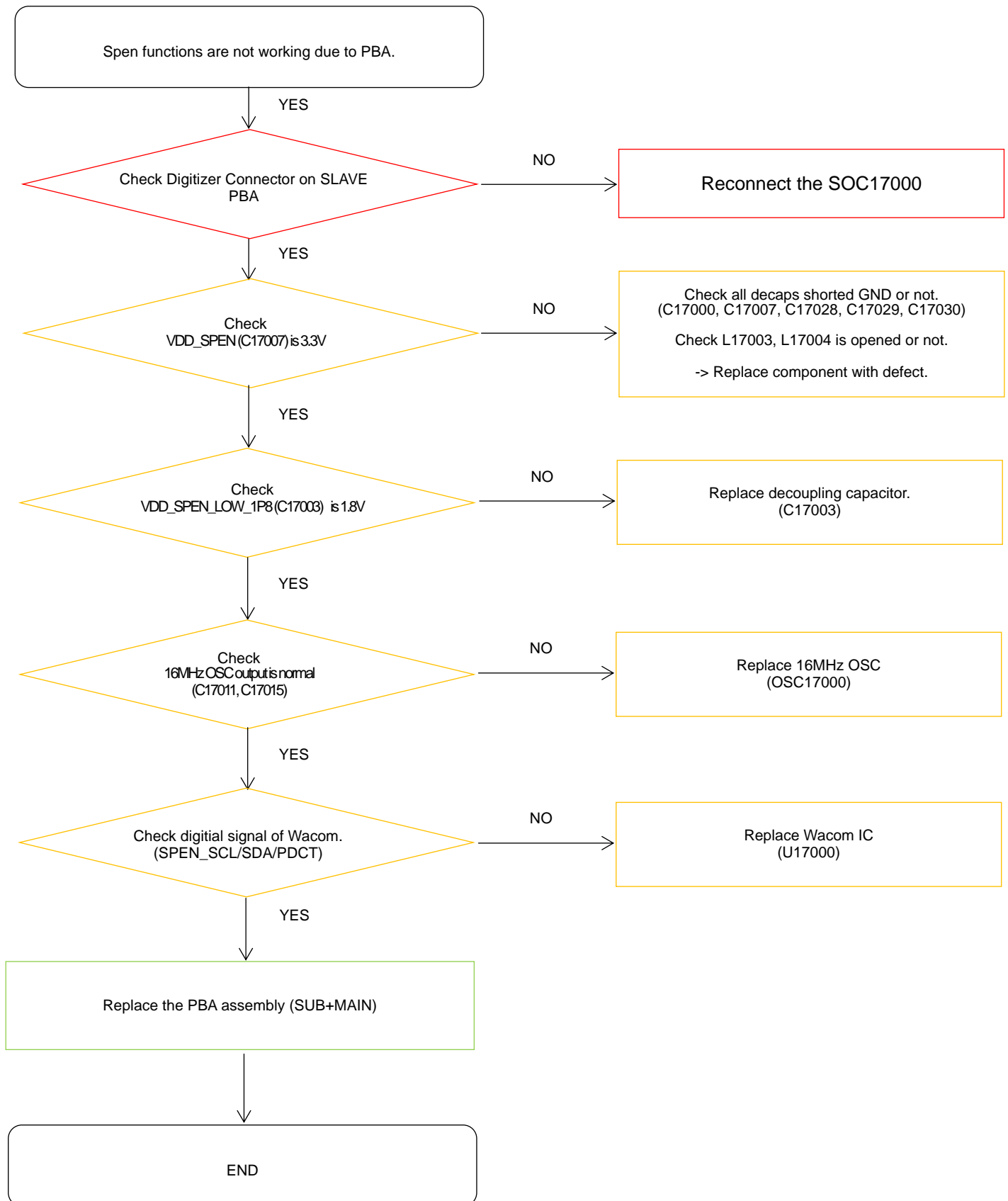
8. Level 3 Repair

8-4-12-1. TSP



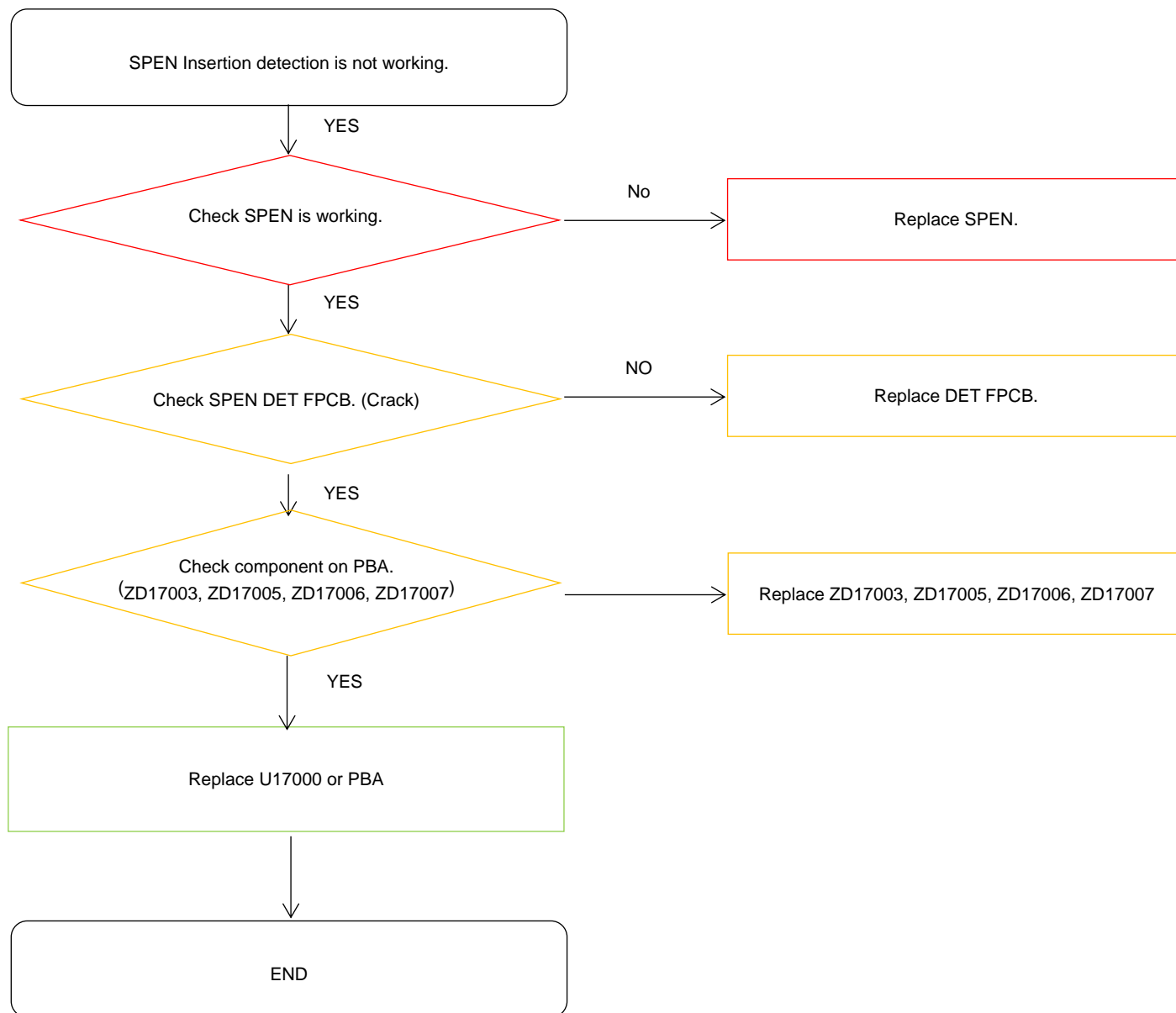
8. Level 3 Repair

8-4-12-2. DIGITIZER



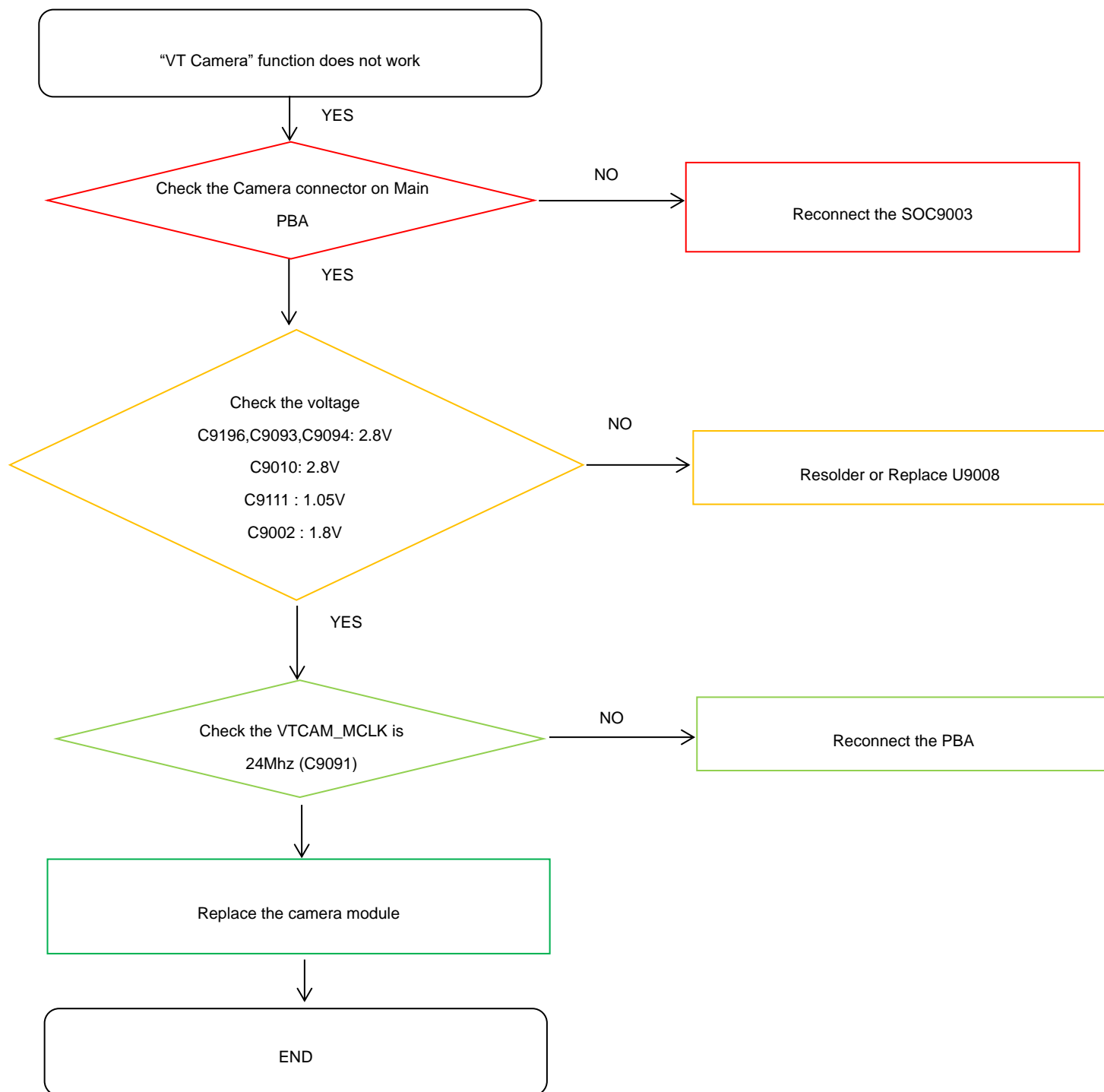
8. Level 3 Repair

8-4-12-3. SPEN DETECTION



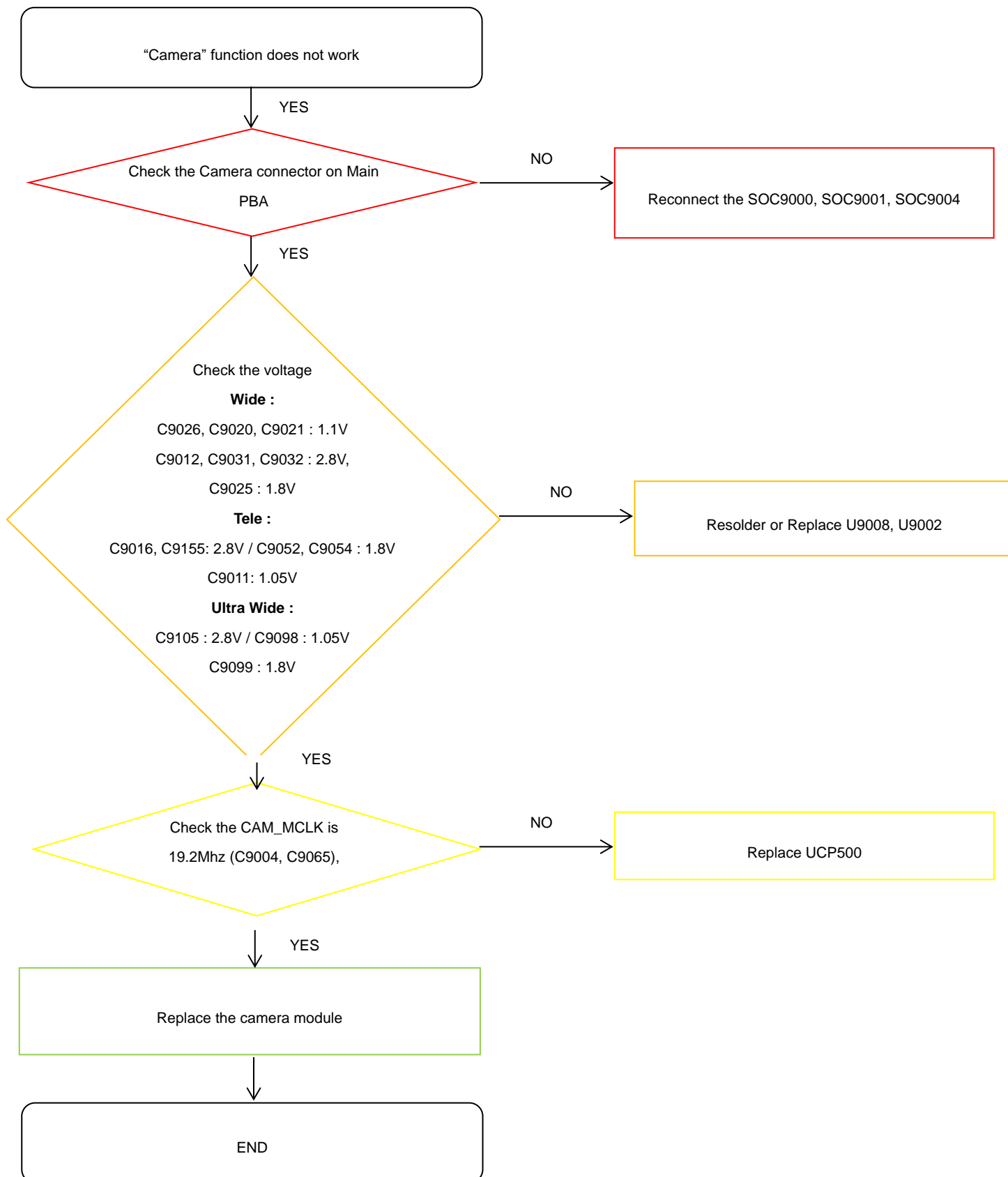
8. Level 3 Repair

8-4-13. VT CAMERA



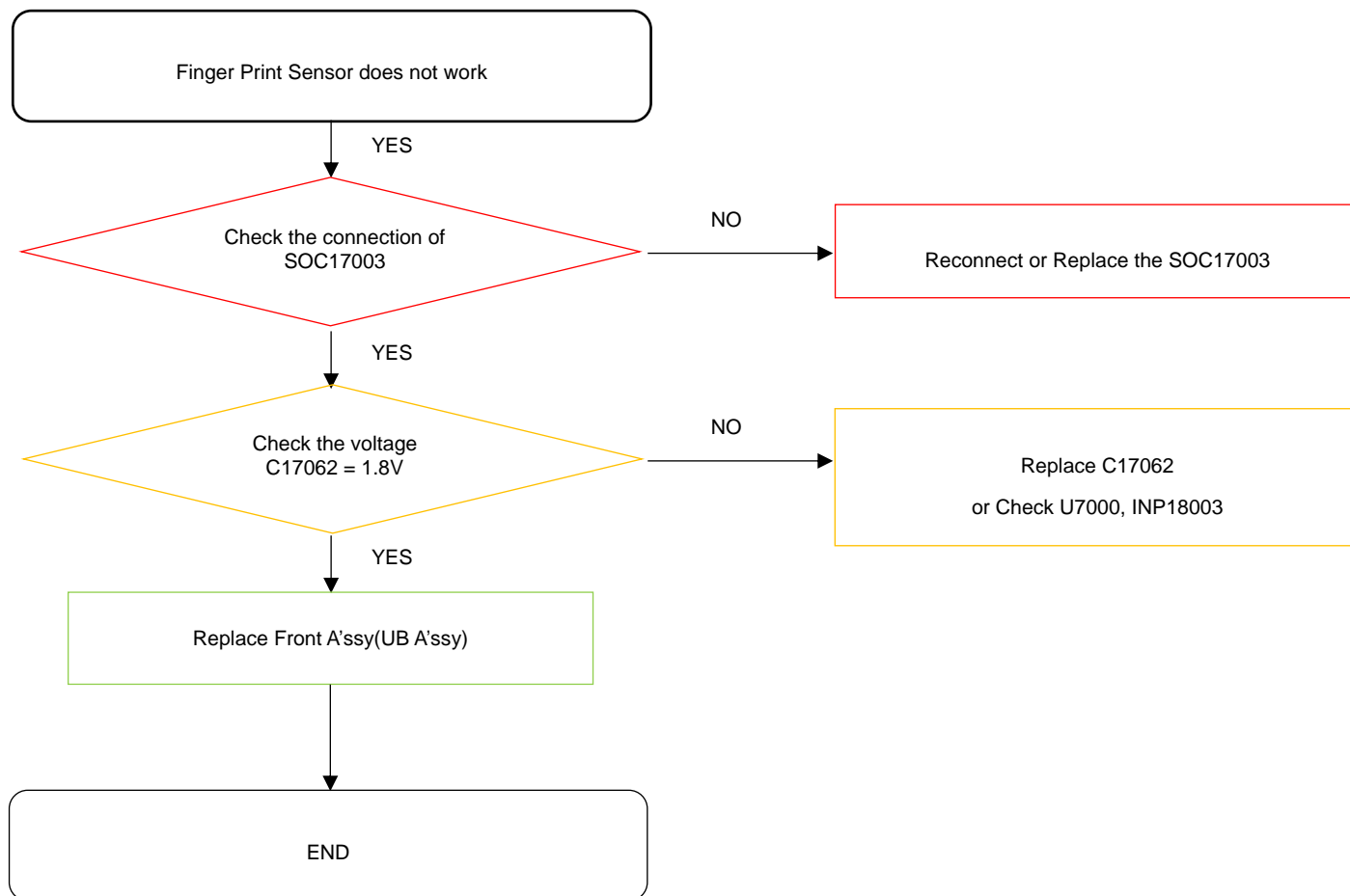
8. Level 3 Repair

8-4-14. Rear CAMERA



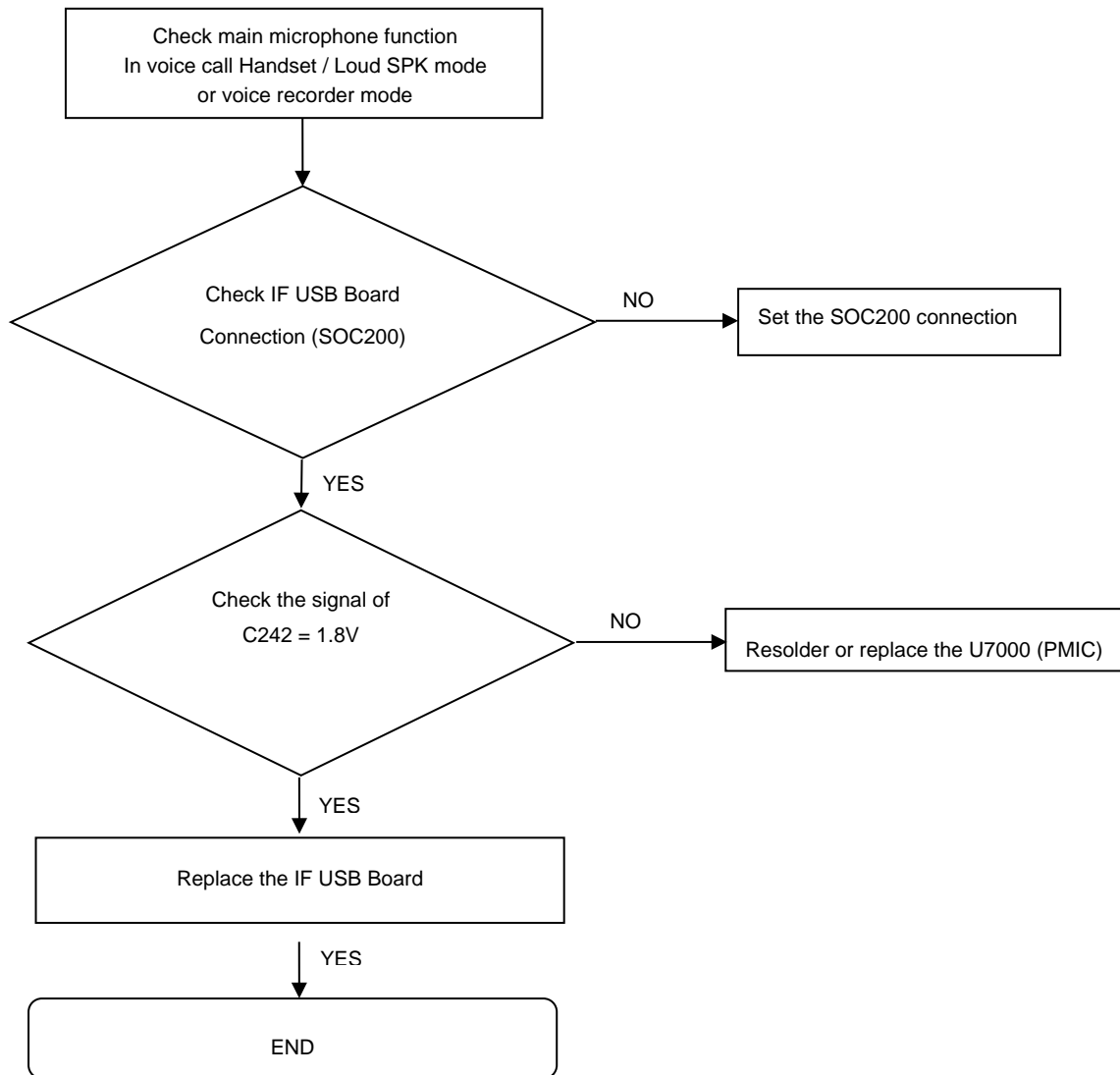
8. Level 3 Repair

8-4-15. Finger Print



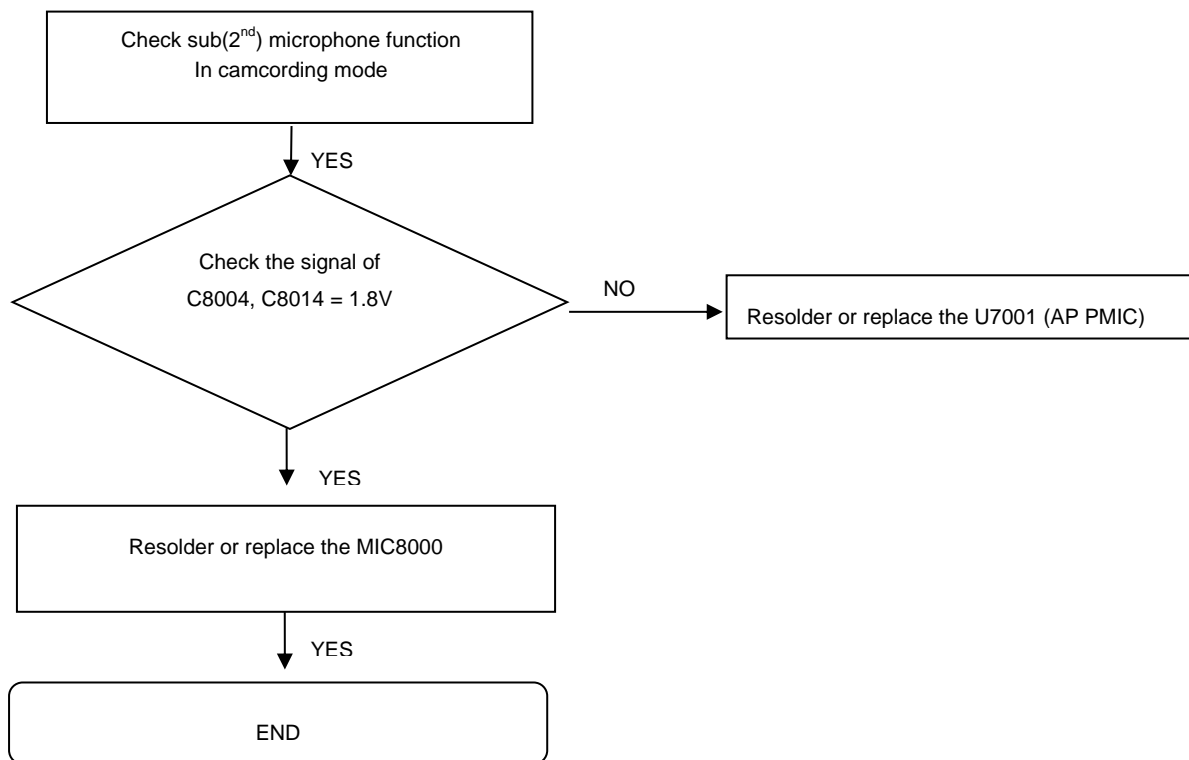
8. Level 3 Repair

8-4-16-1. Main MIC



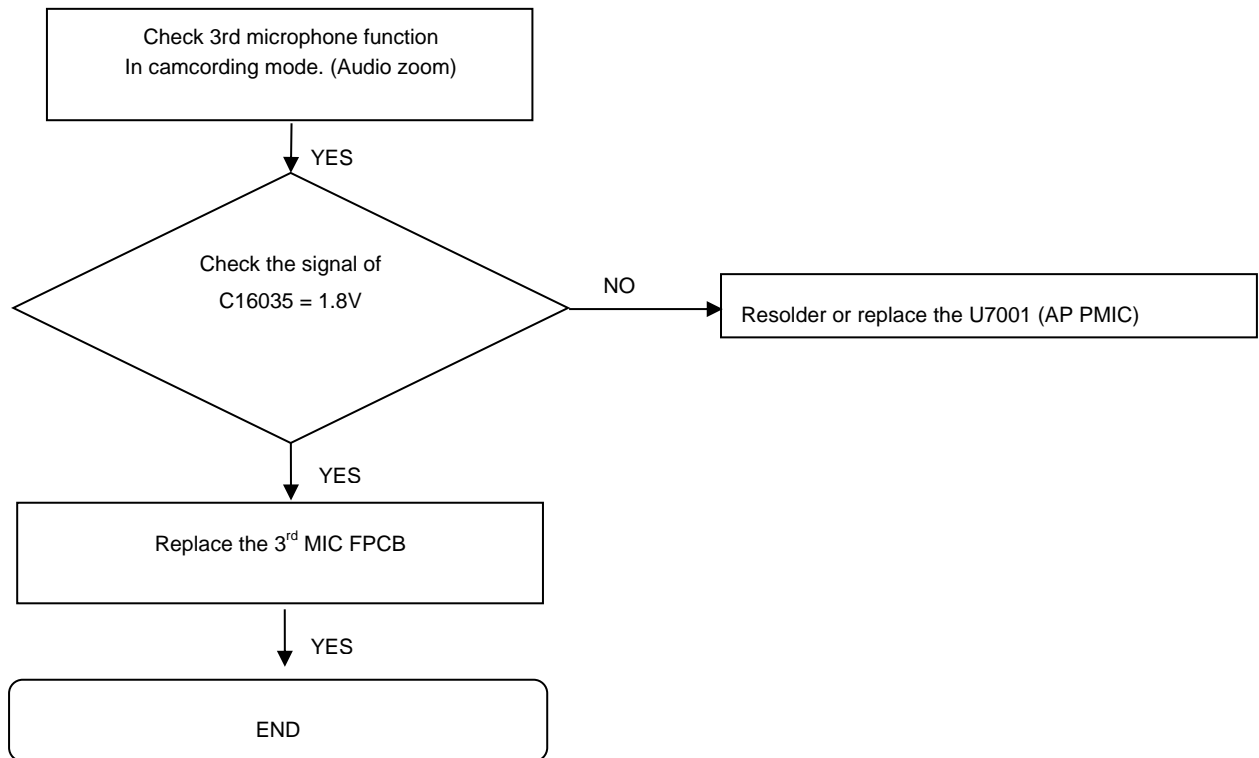
8. Level 3 Repair

8-4-16-2. Sub(2nd) MIC



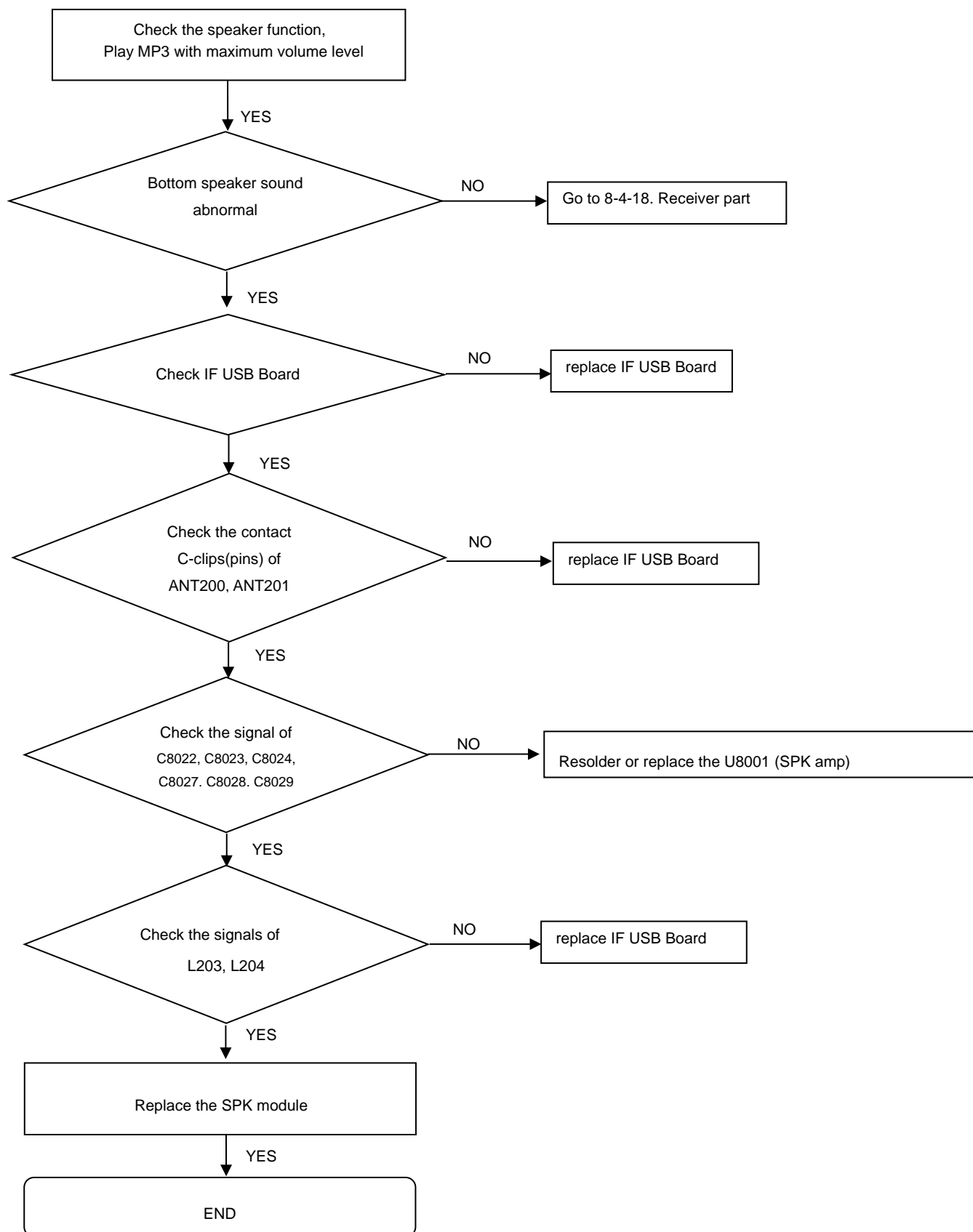
8. Level 3 Repair

8-4-16-3. 3rd MIC



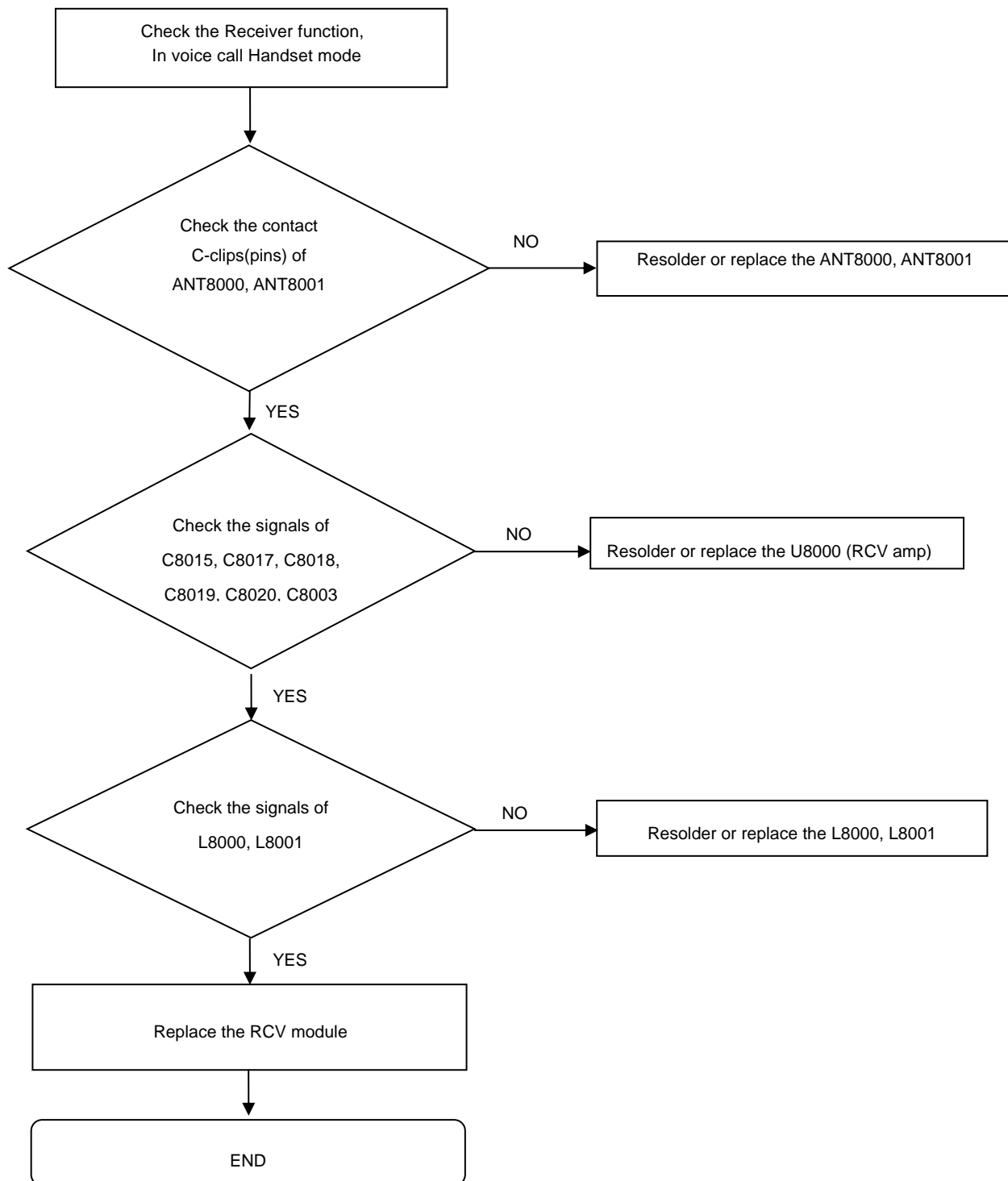
8. Level 3 Repair

8-4-17. Speaker part



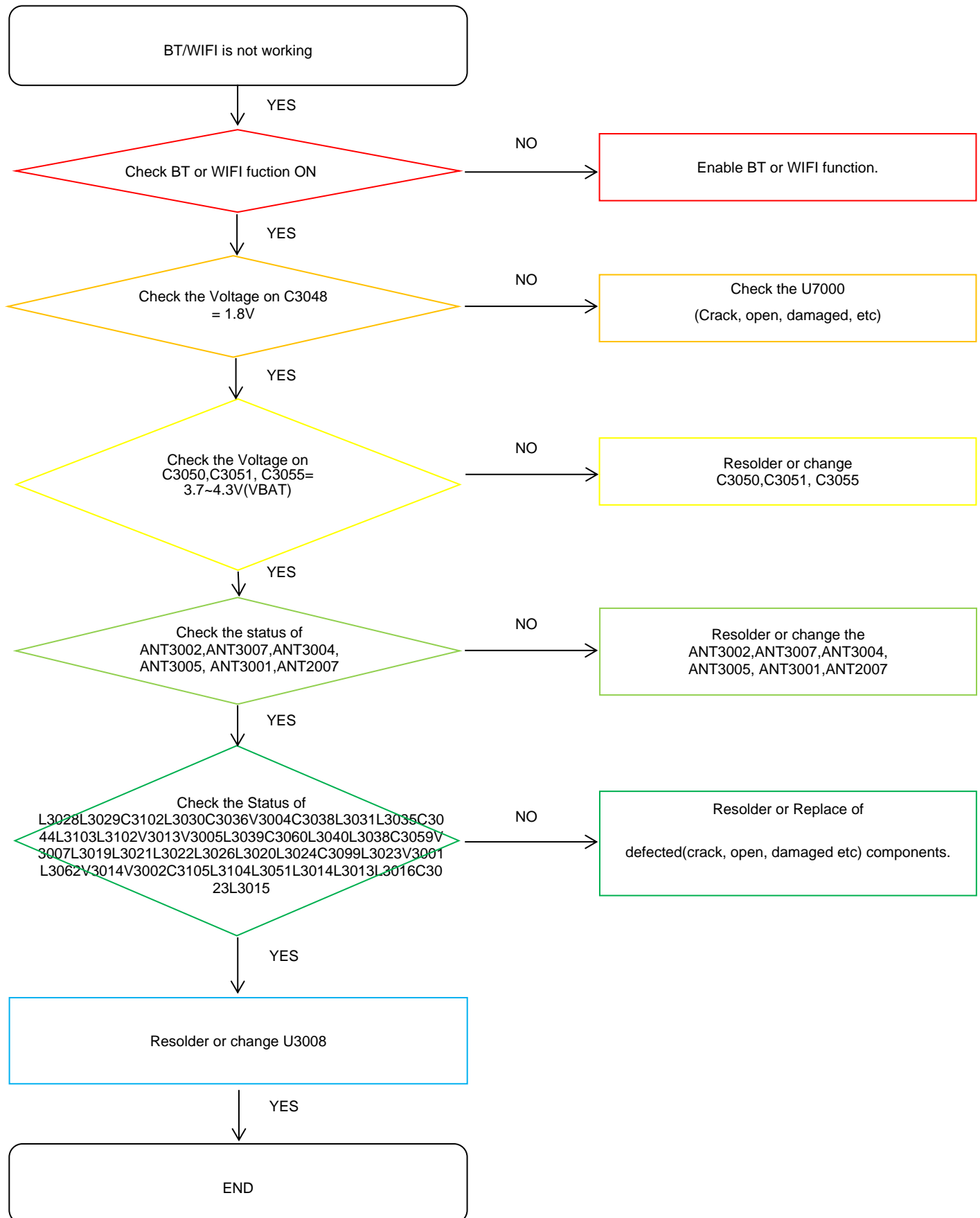
8. Level 3 Repair

8-4-18. Receiver part



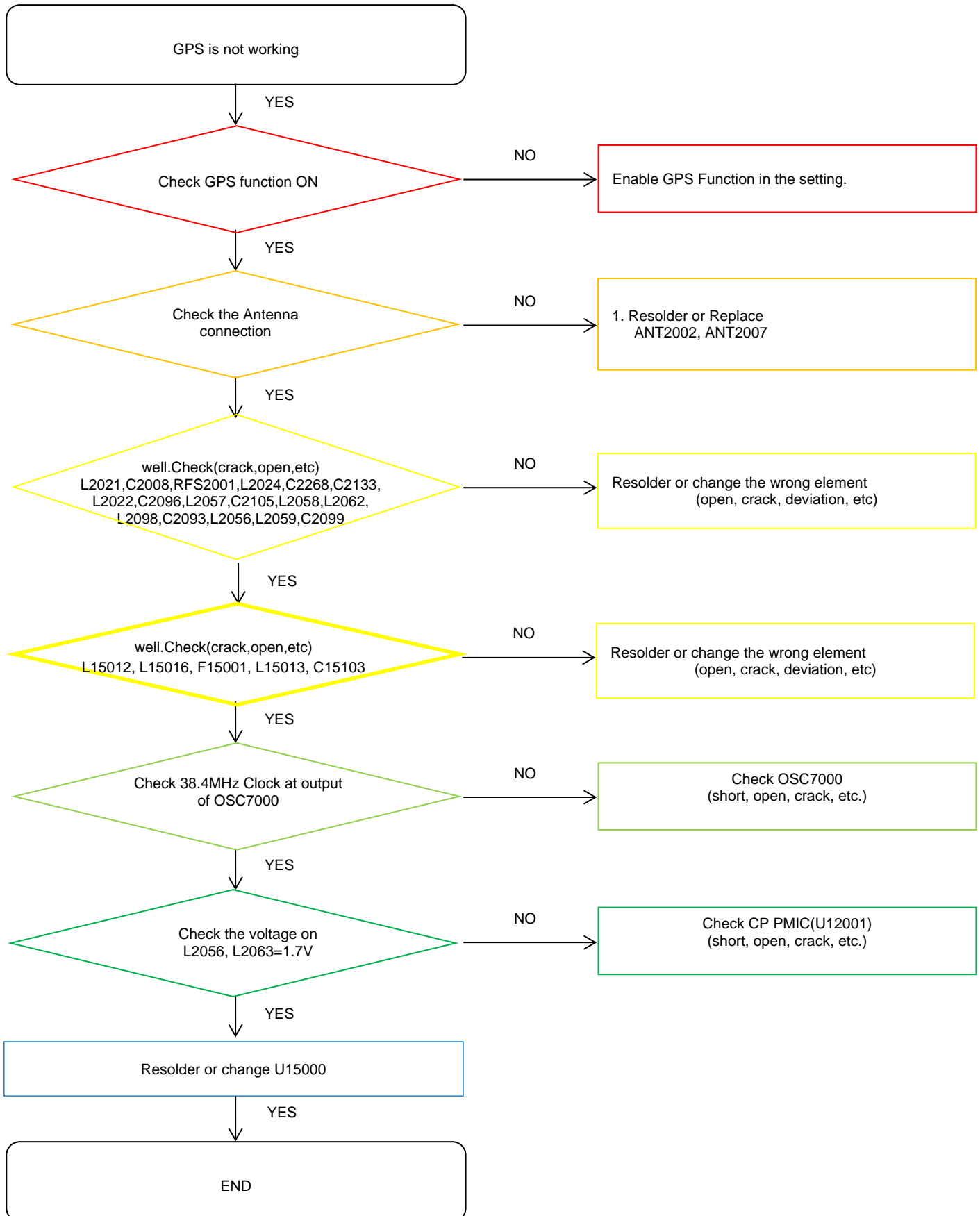
8. Level 3 Repair

8-4-19. BT/WIFI



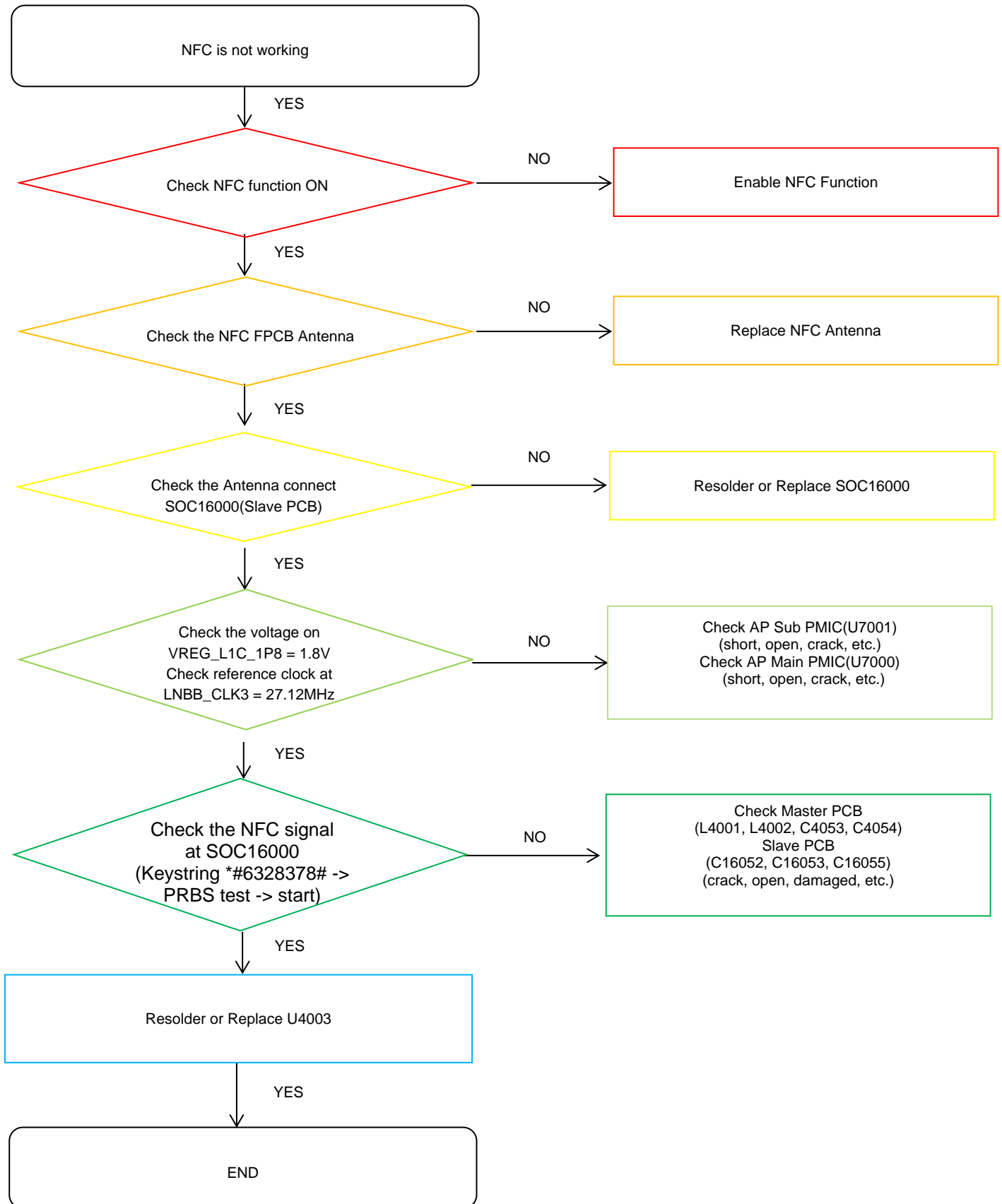
8. Level 3 Repair

8-4-20. GPS



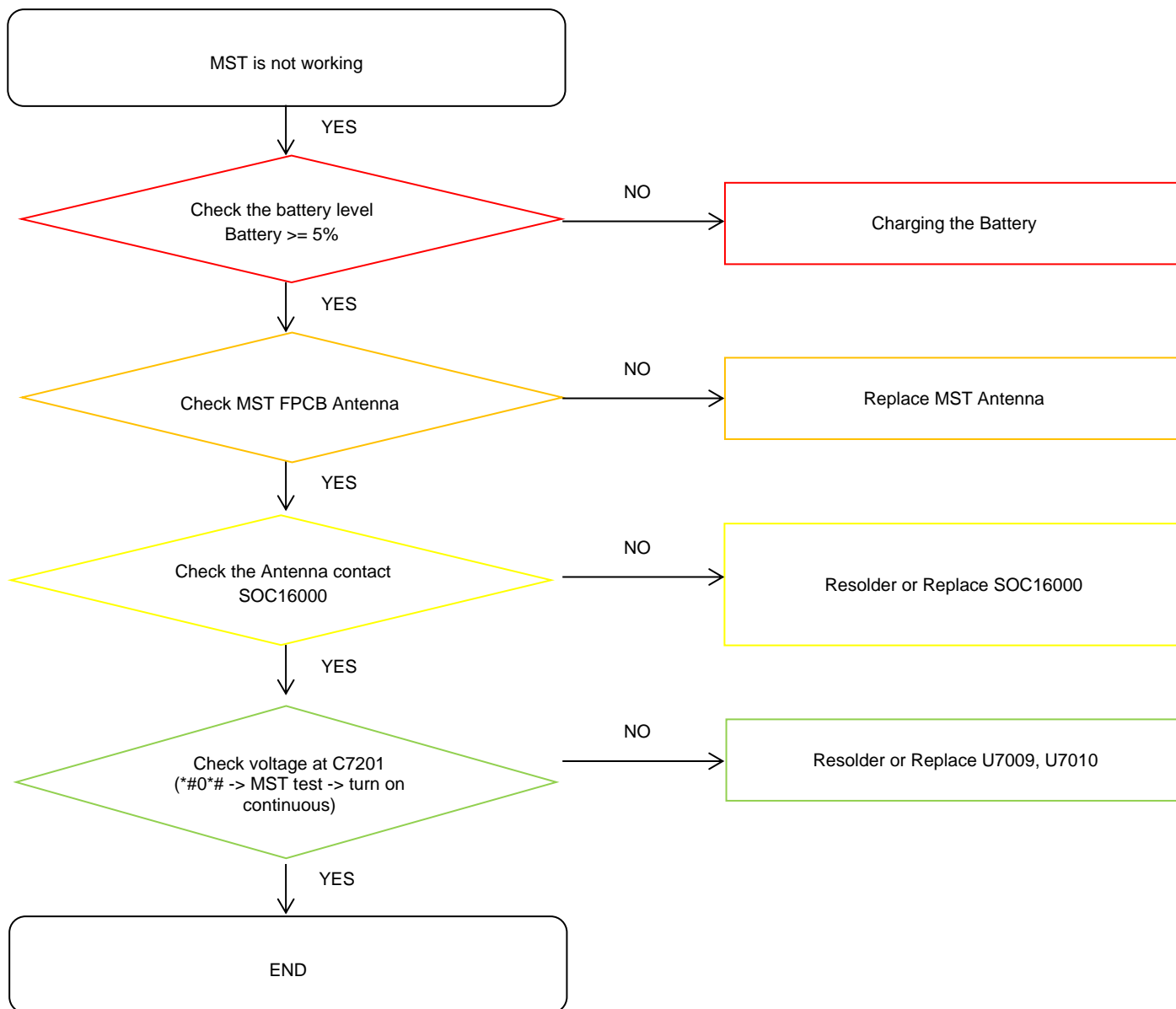
8. Level 3 Repair

8-4-21. NFC



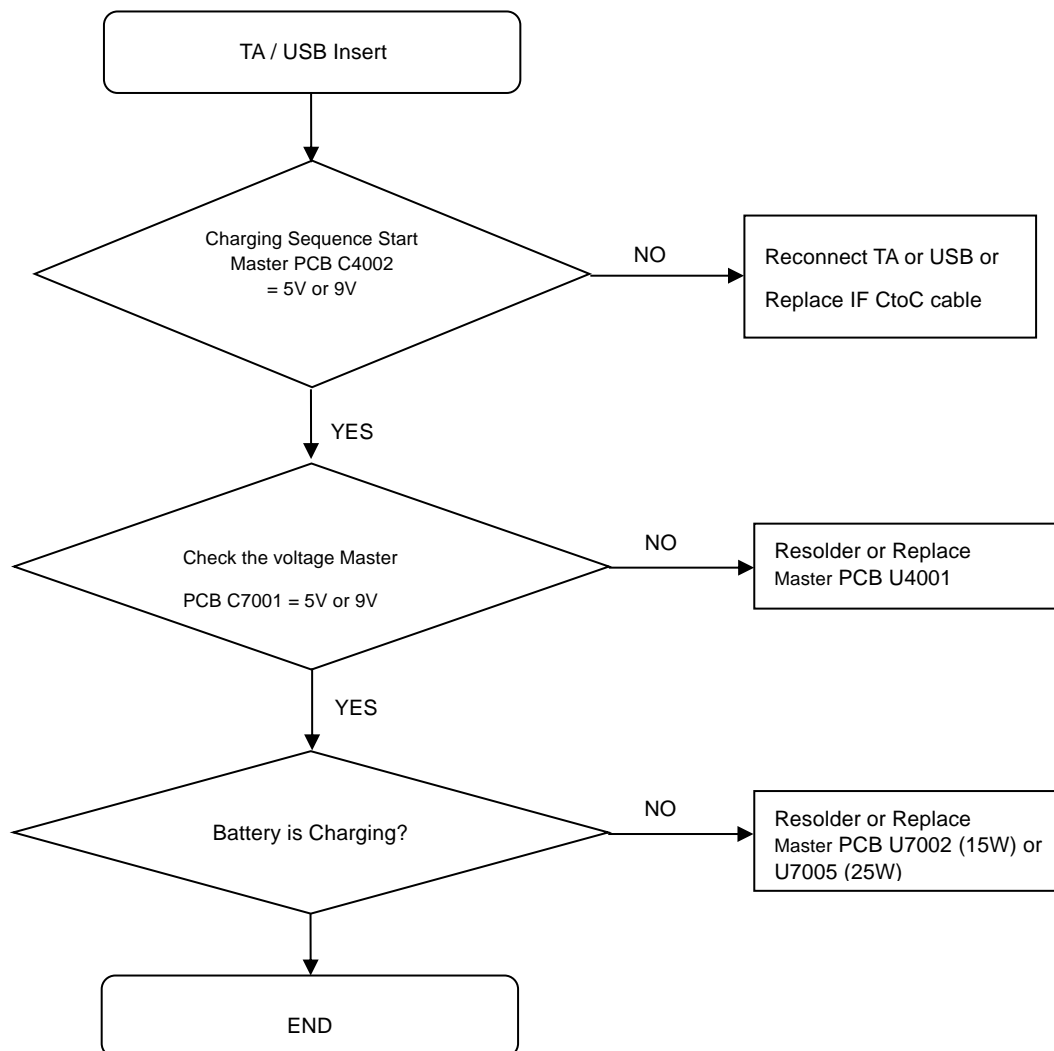
8. Level 3 Repair

8-4-22. MST



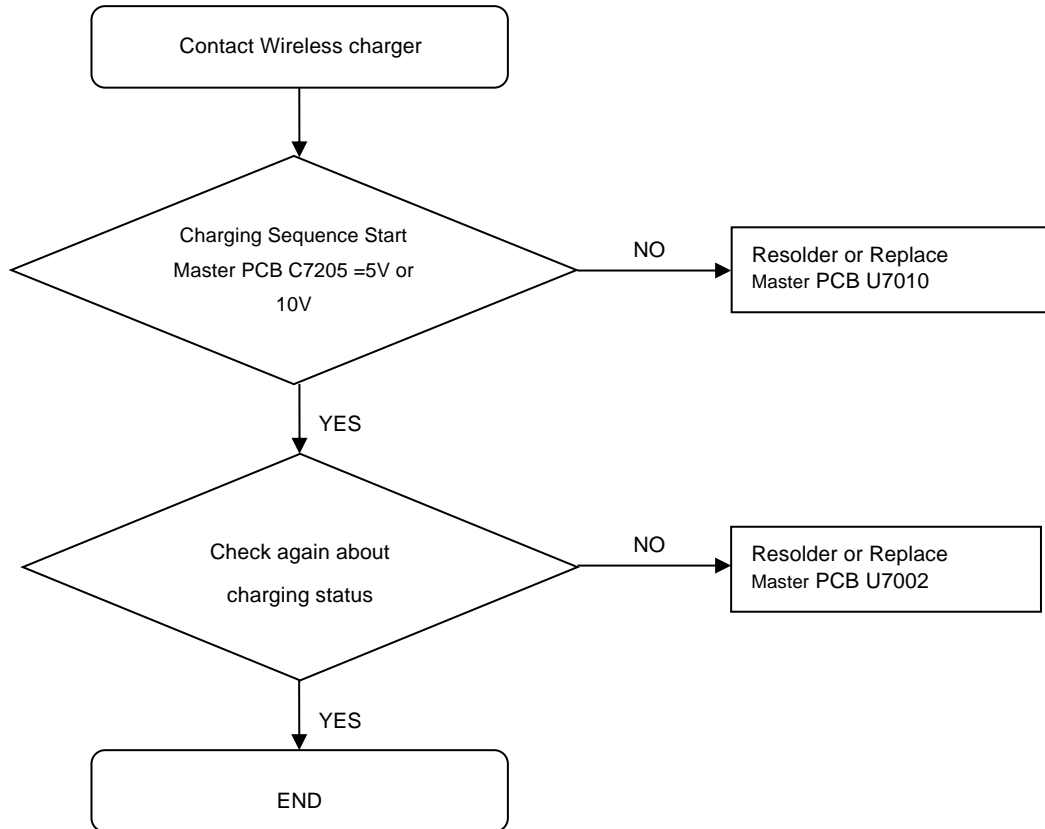
8. Level 3 Repair

8-4-23. Charging Part Charging (Normal/Fast)



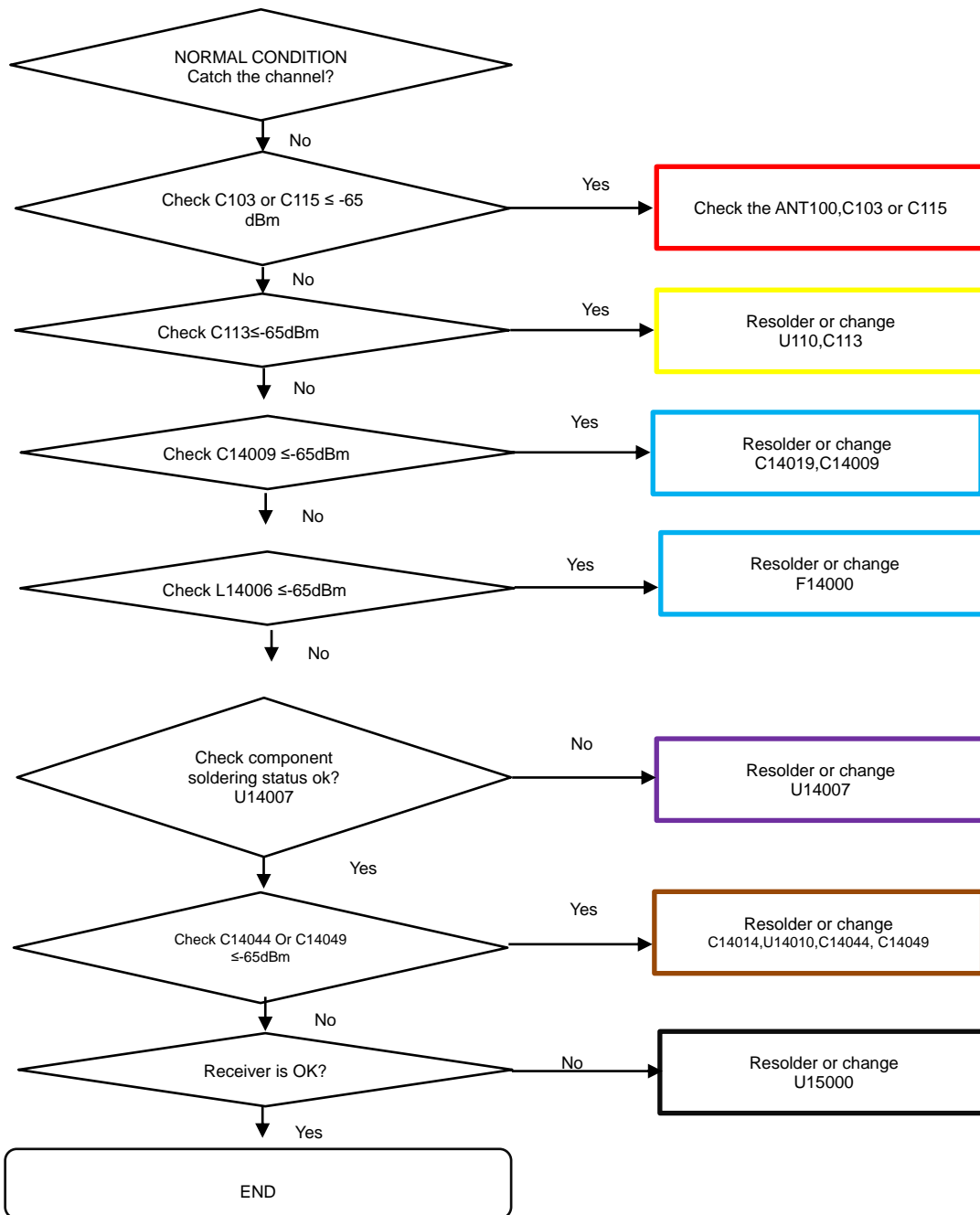
8. Level 3 Repair

8-4-24. Charging Part Wireless Charging (Normal/Fast)



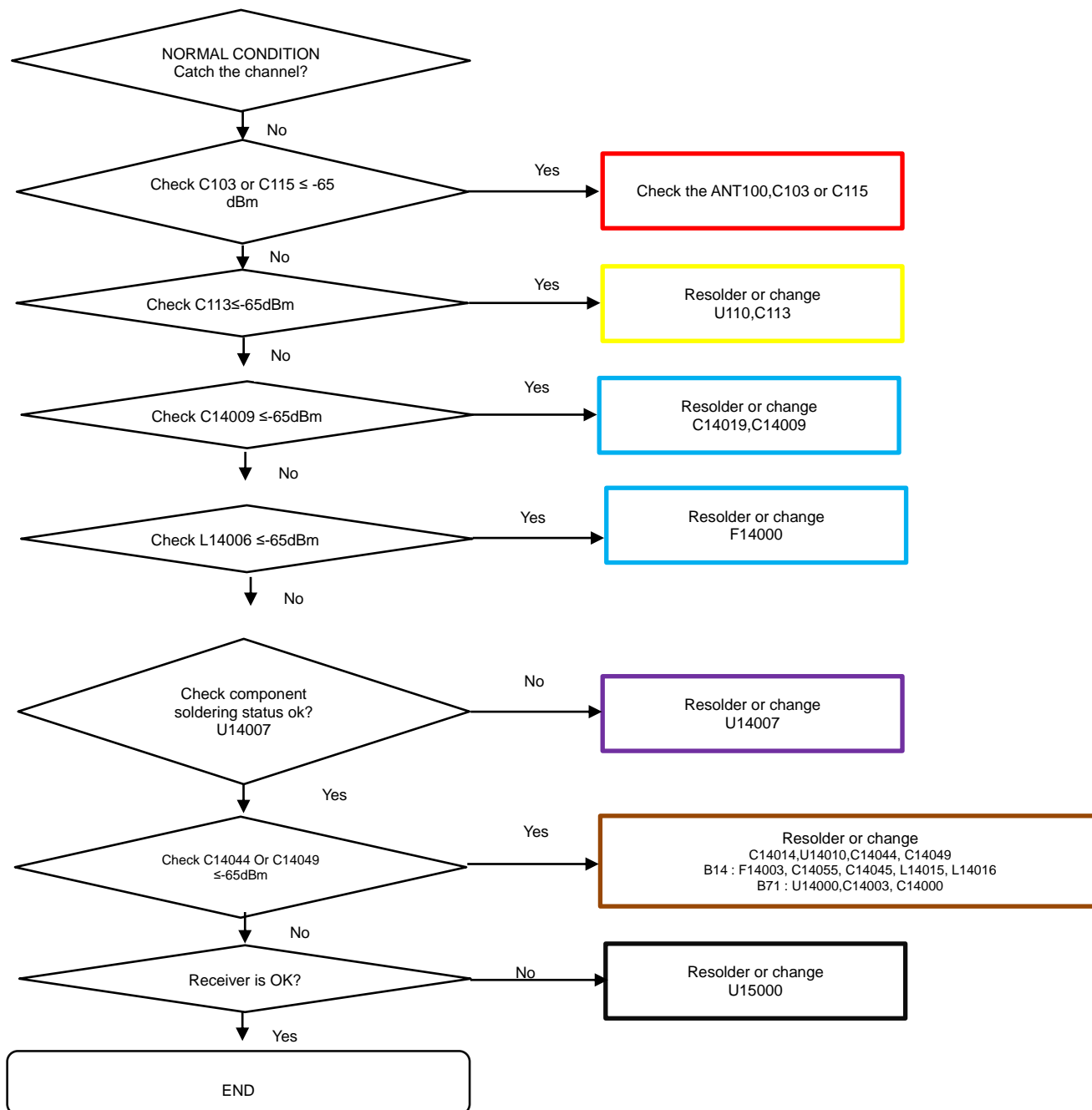
8. Level 3 Repair

8-4-25. GSM 850/900, CDMA BC0/10, WCDMA B5/8, LTE B5/8/12/13/14/18/19/20/26/28/29/71, NR_SUB6 n5/71 RX



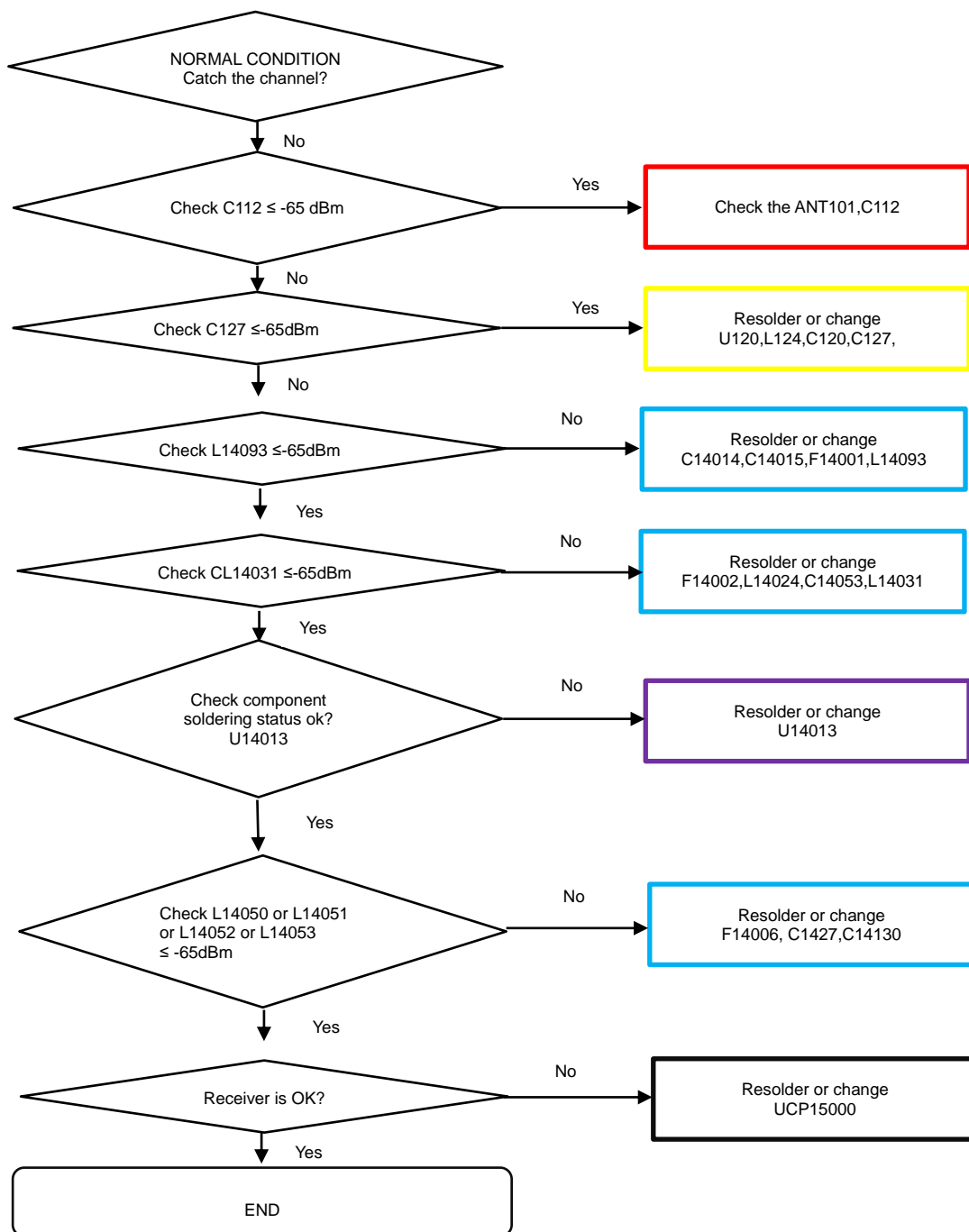
8. Level 3 Repair

8-4-26. LTE 14/71, NR_SUB6 71 RX



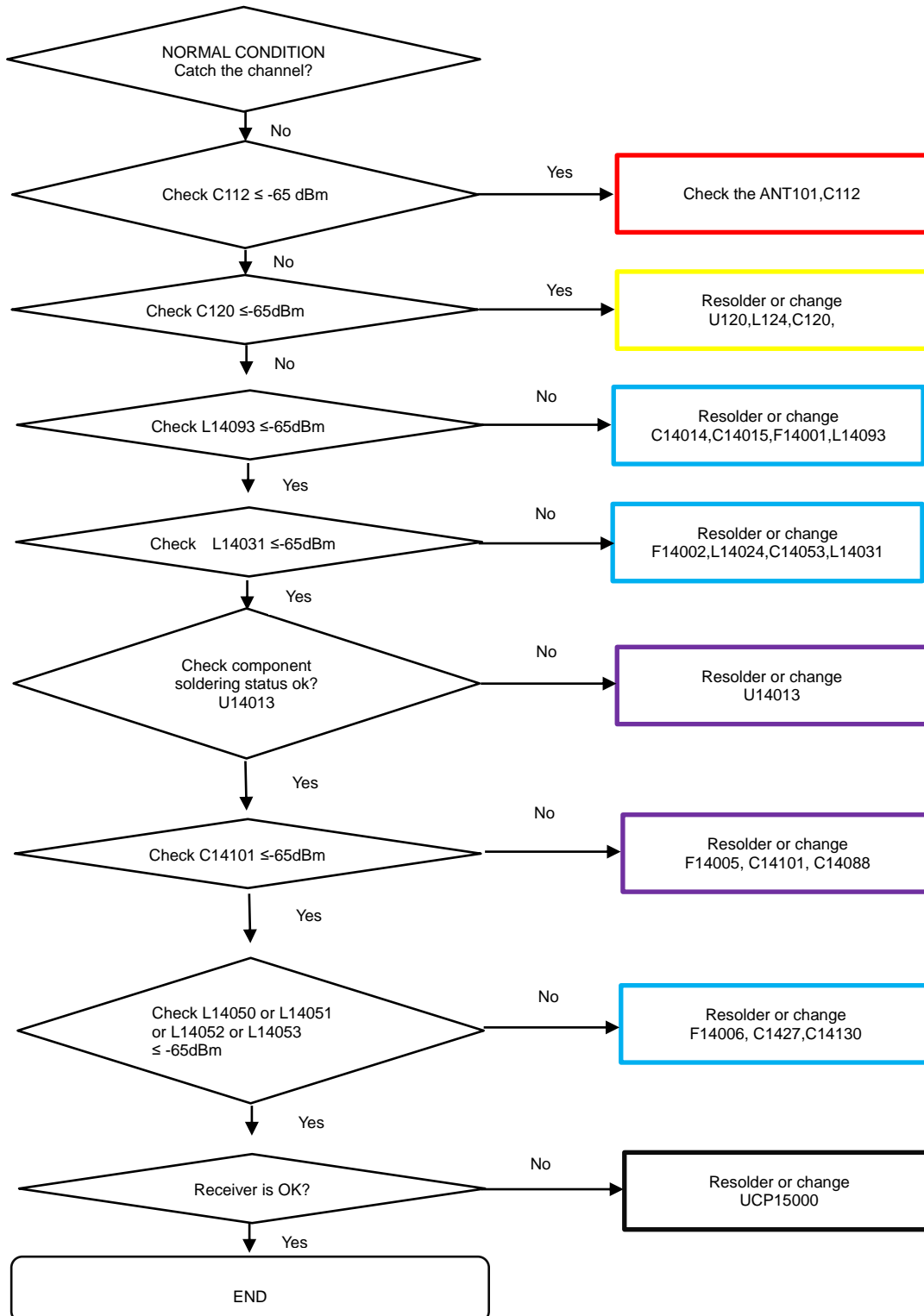
8. Level 3 Repair

8-4-27. LTE B7/38/40/41 RX



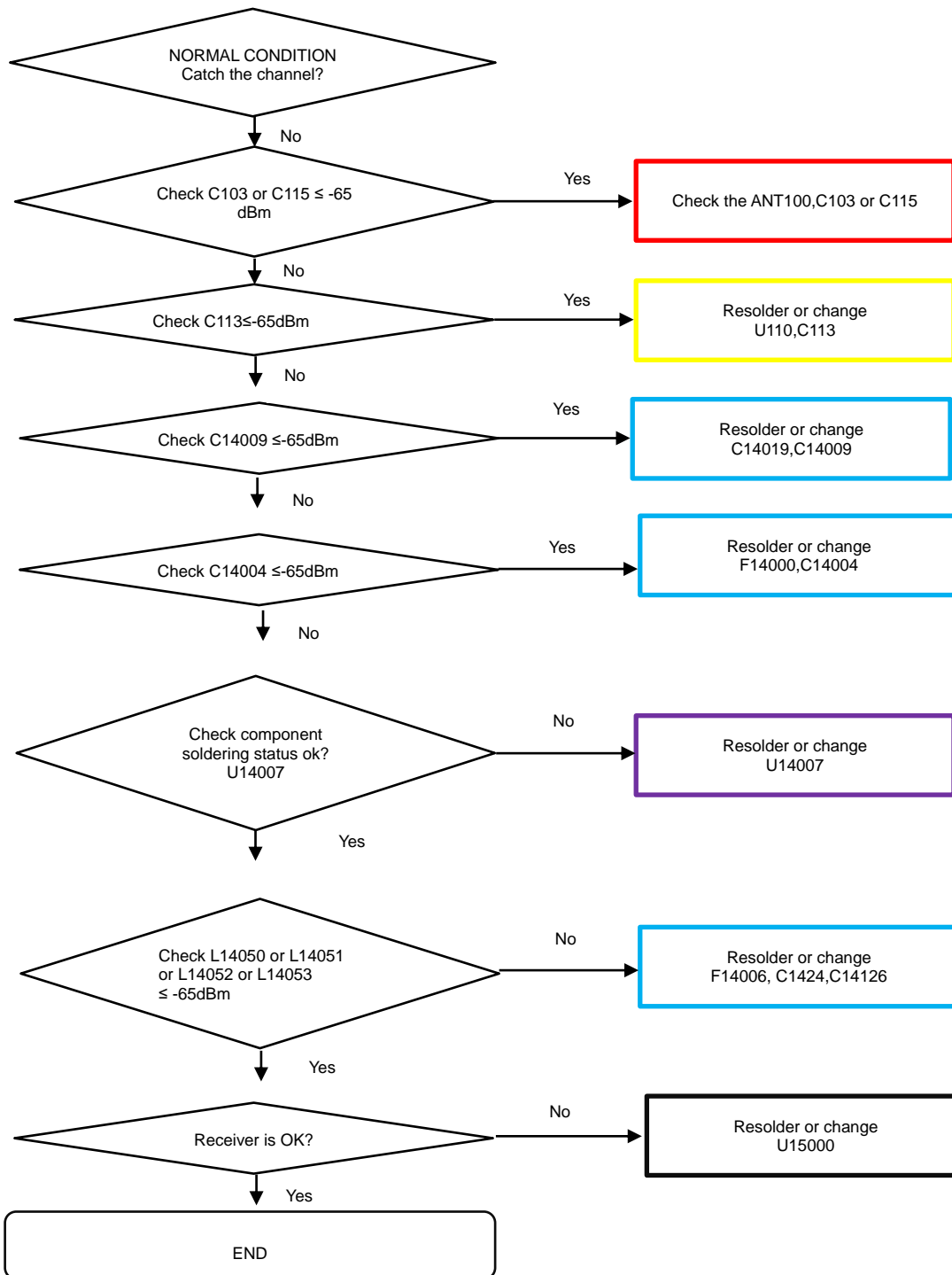
8. Level 3 Repair

8-4-28. LTE B30 RX



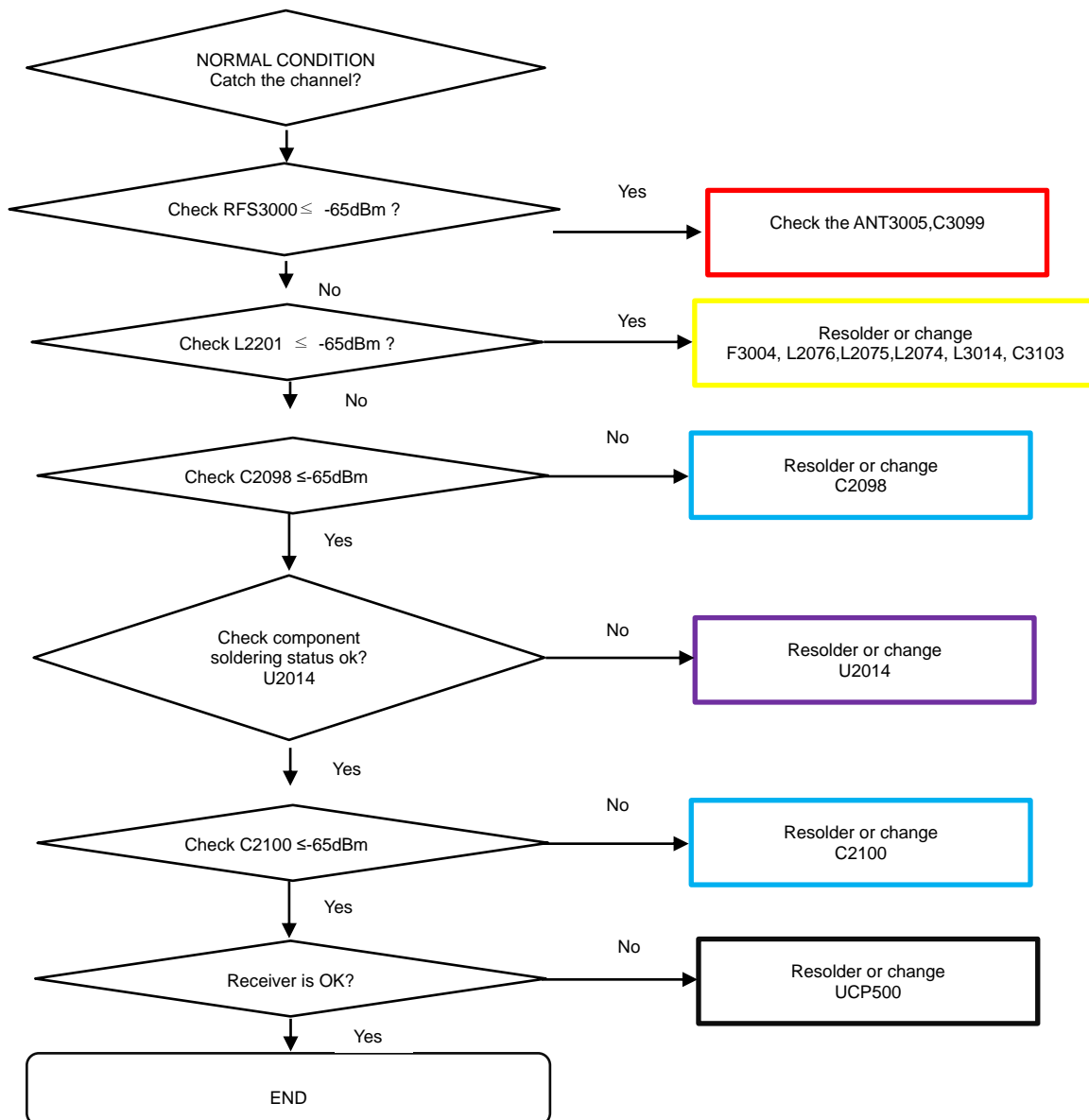
8. Level 3 Repair

8-4-29. DCS/PCS, CDMA BC1, LTE B1/2/3/4/34/39/66 RX



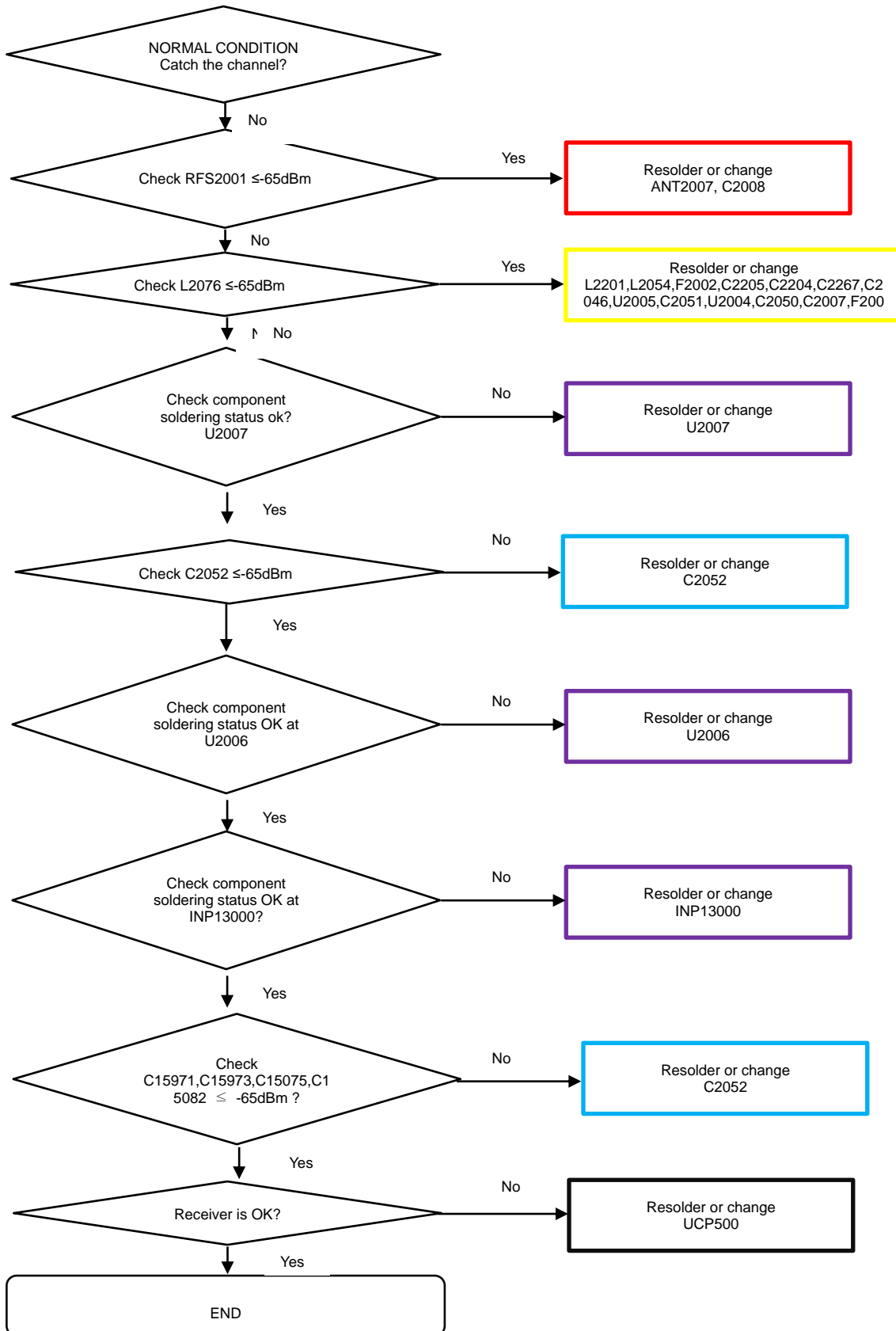
8. Level 3 Repair

8-4-30. LTE B48 RX



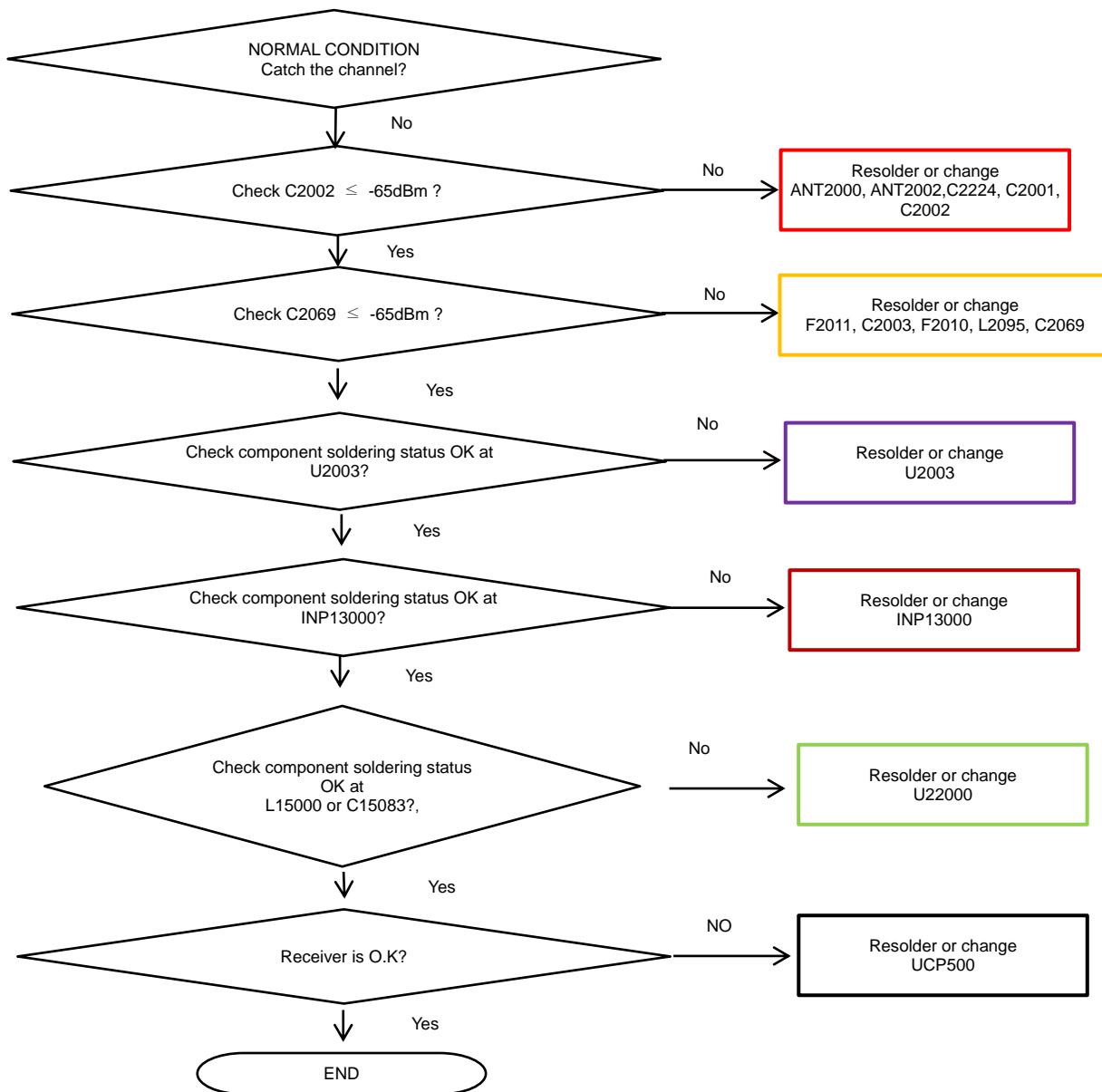
8. Level 3 Repair

8-4-31. N41 RX



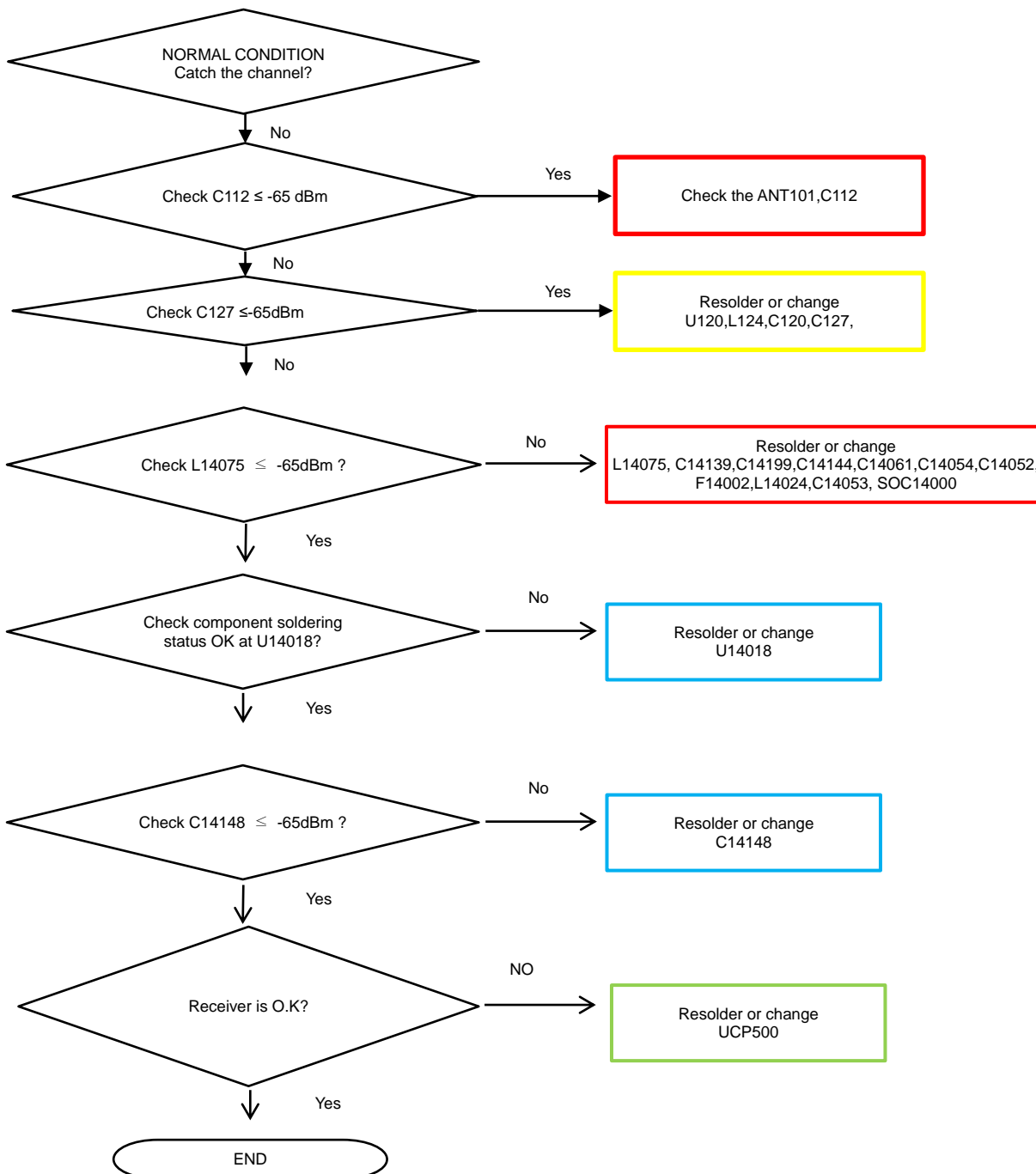
8. Level 3 Repair

8-4-32. CDMA BC0/10, LTE B5/8/12/13/14/17/18/19/20/26/28/29/71, NR_SUB6 n5/71 DRX



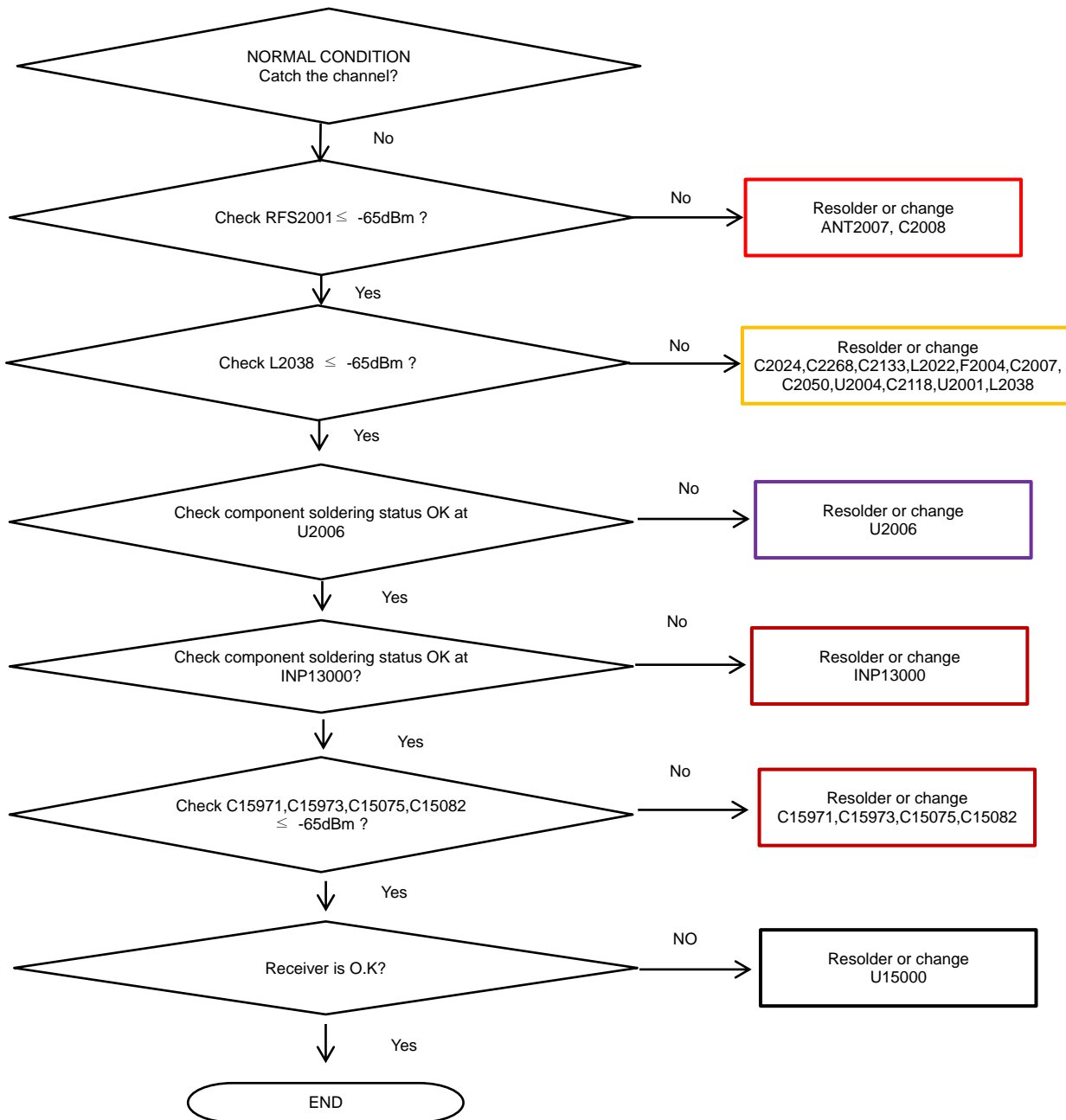
8. Level 3 Repair

8-4-33. LTE B48 DRX



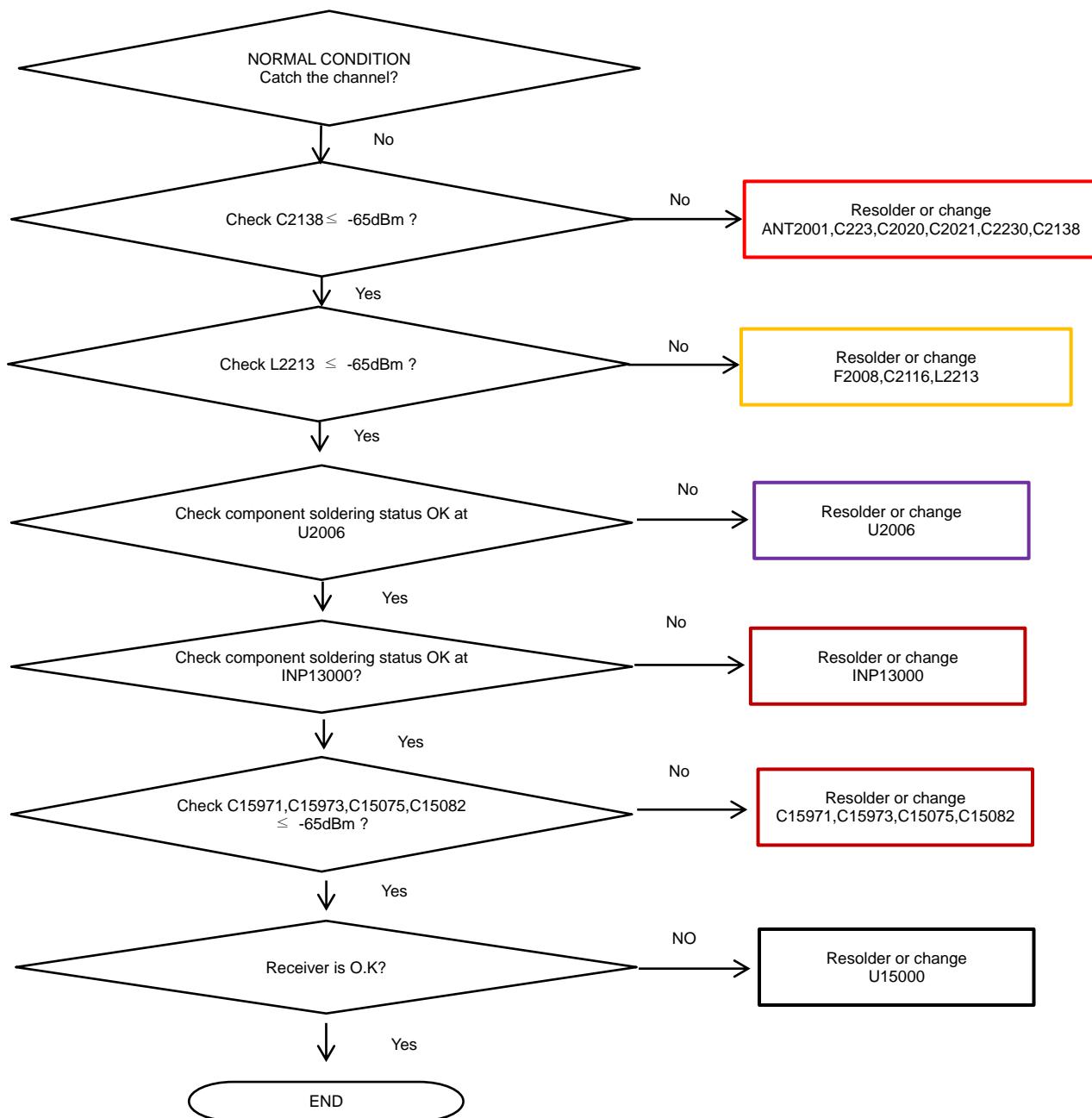
8. Level 3 Repair

8-4-34. CDMA BC1, LTE B1/2/3/4/7/25/30/34/38/39/41/66 DRX



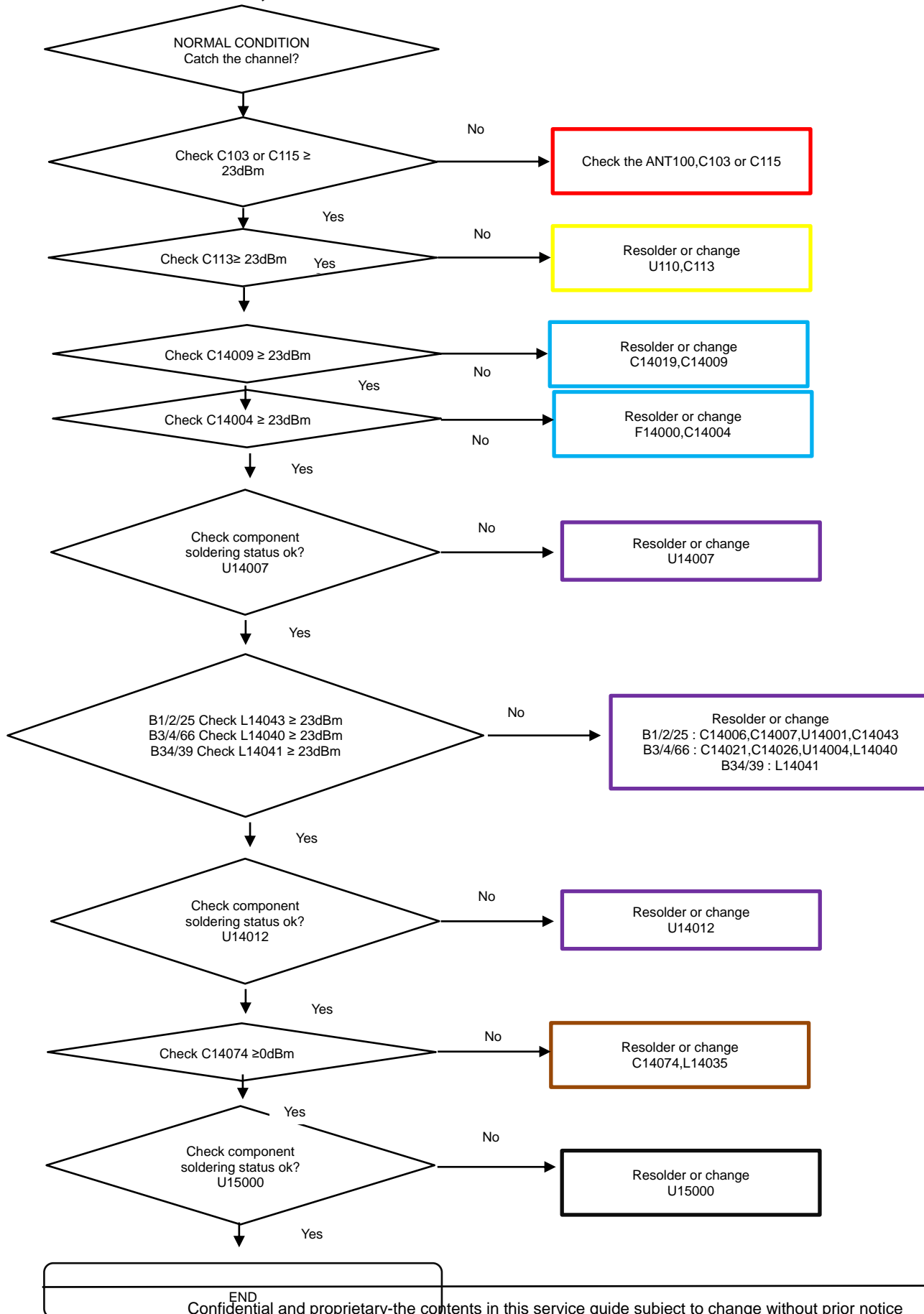
8. Level 3 Repair

8-4-35. LTE B40 DRX



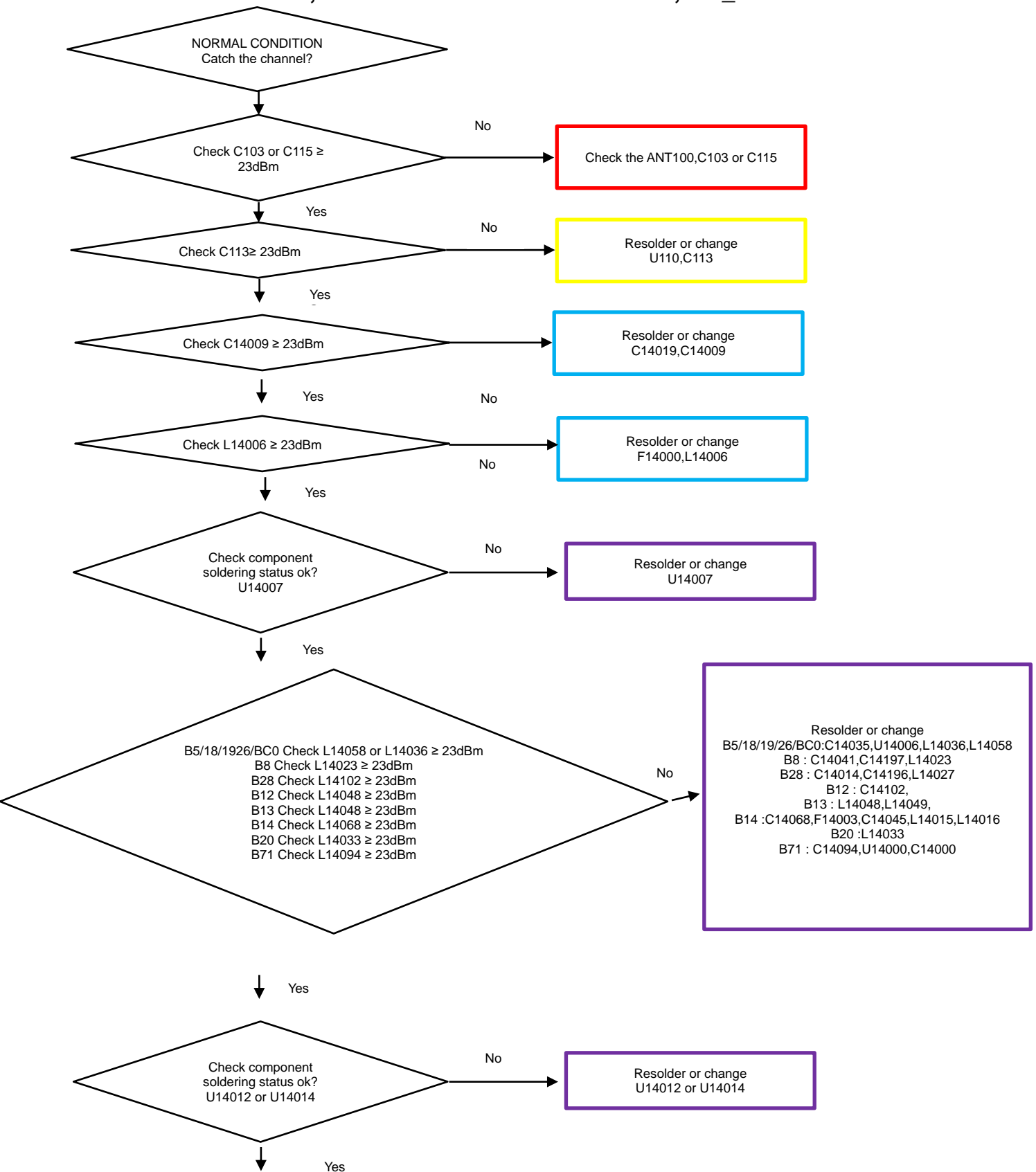
8. Level 3 Repair

8-4-36. CDMA BC1, LTE B1/2/3/4/25/34/39/66 TX

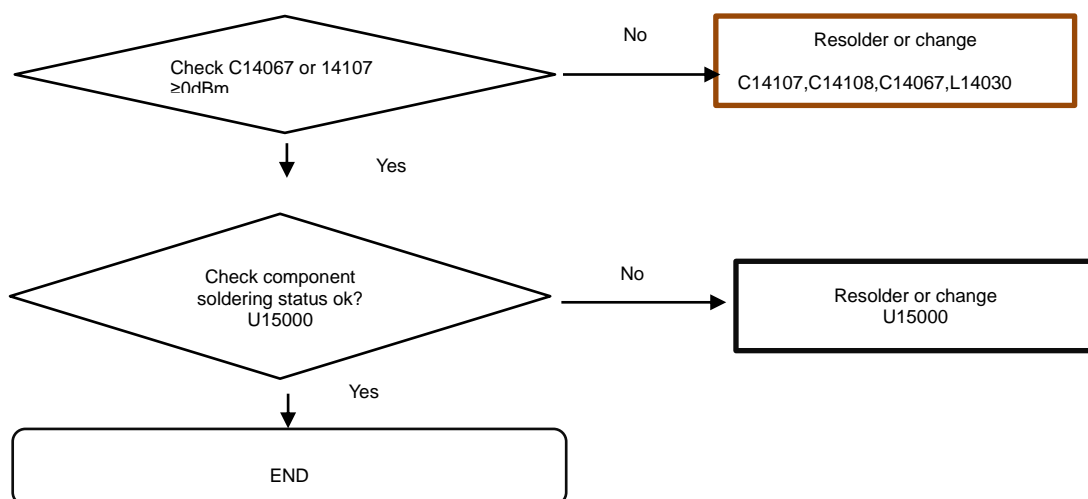


8. Level 3 Repair

8-4-37. CDMA BC0/10, B5/8/12/13/14/18/19/20/26/28/71, NR_SUB6 n5/71 TX

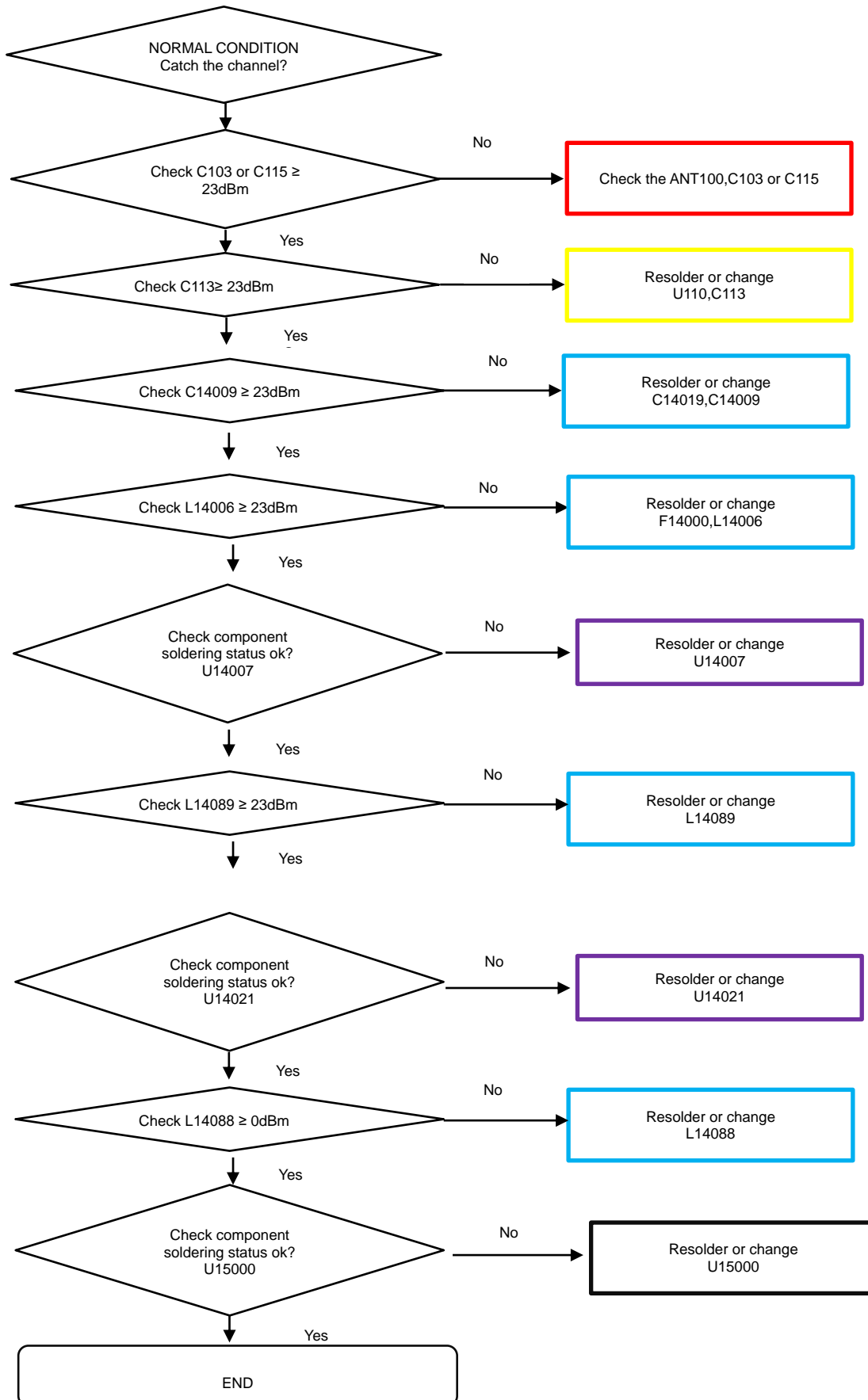


8. Level 3 Repair



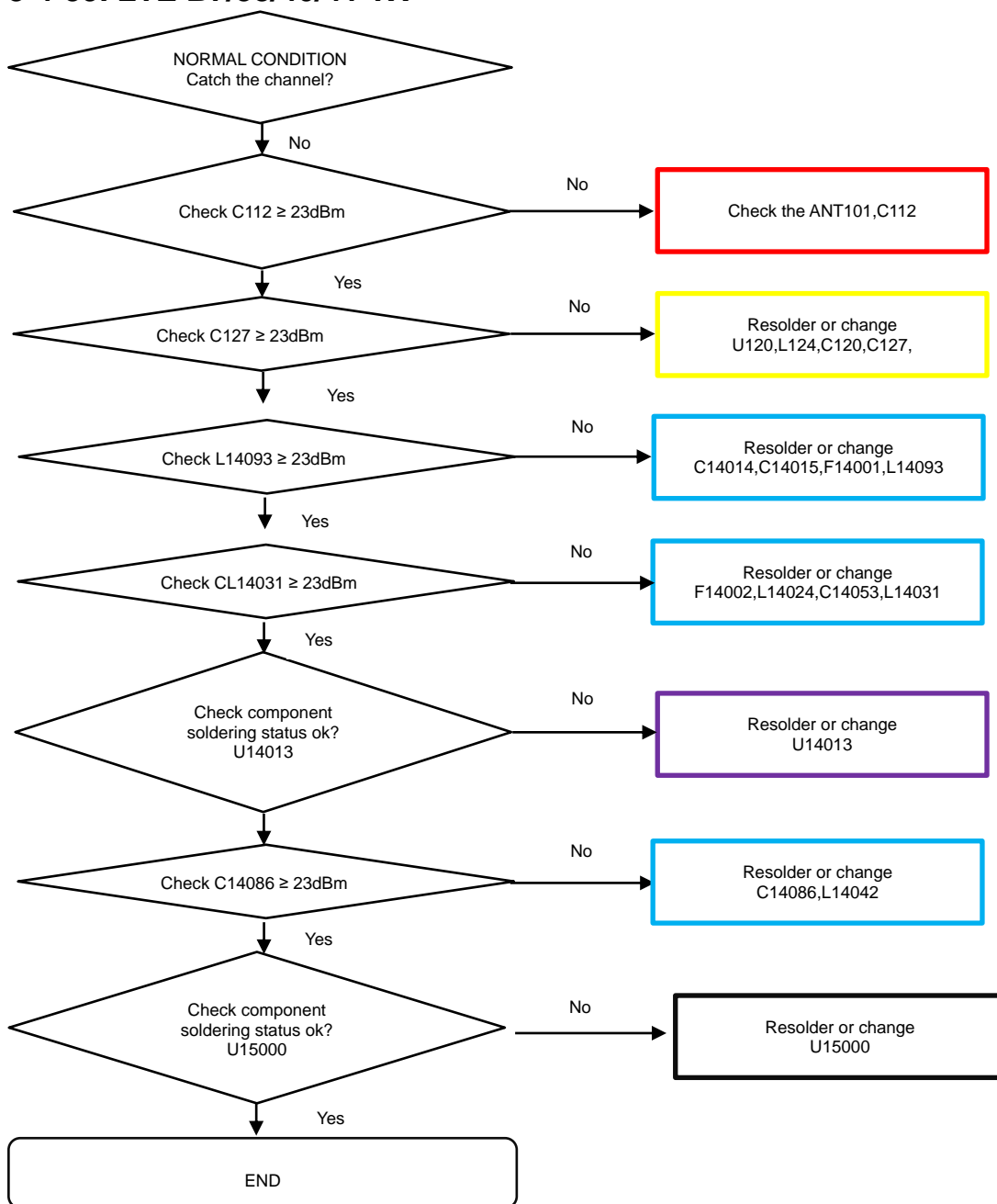
8. Level 3 Repair

8-4-38. GSM 850/900 TX



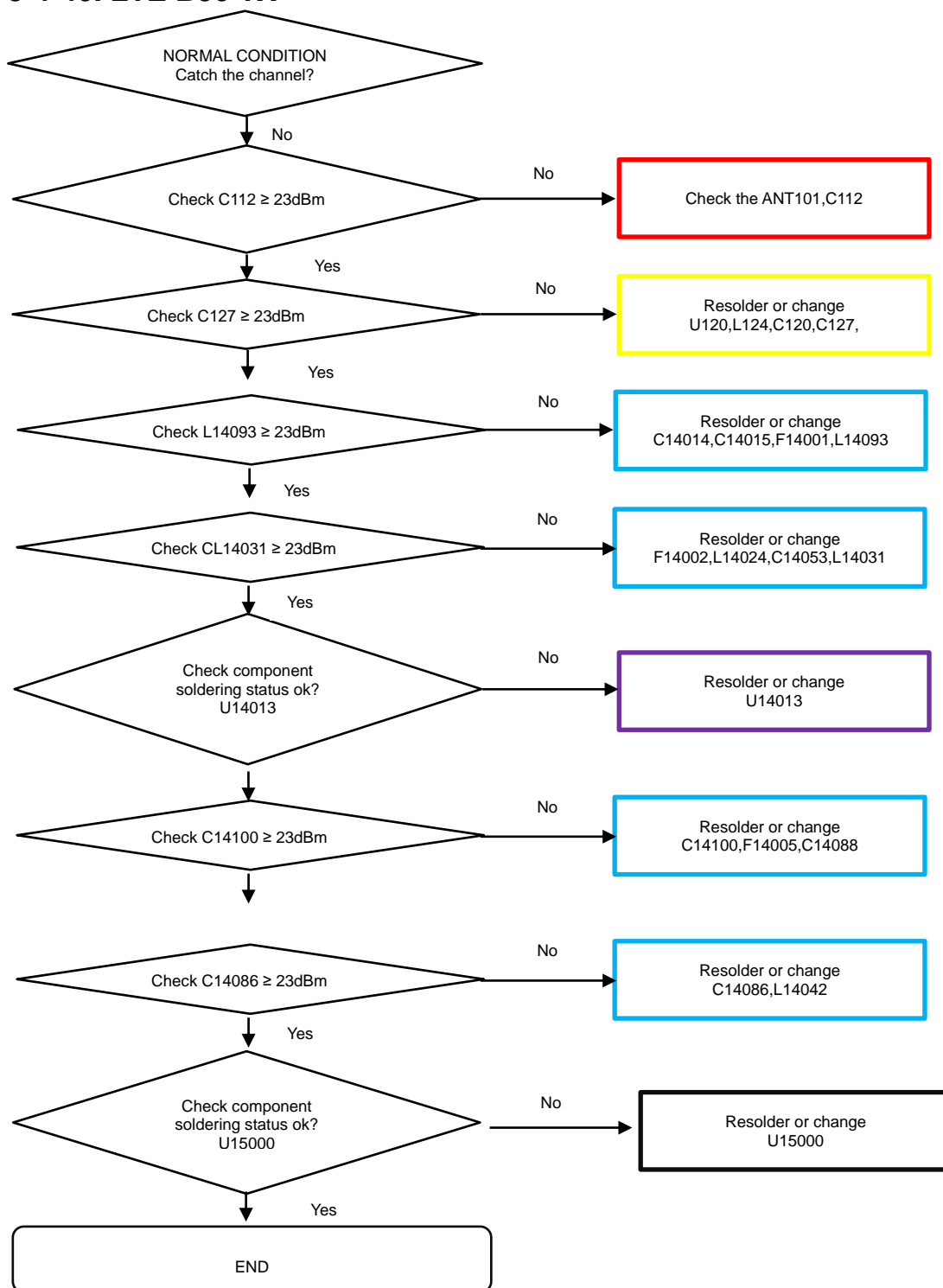
8. Level 3 Repair

8-4-39. LTE B7/38/40/41 TX



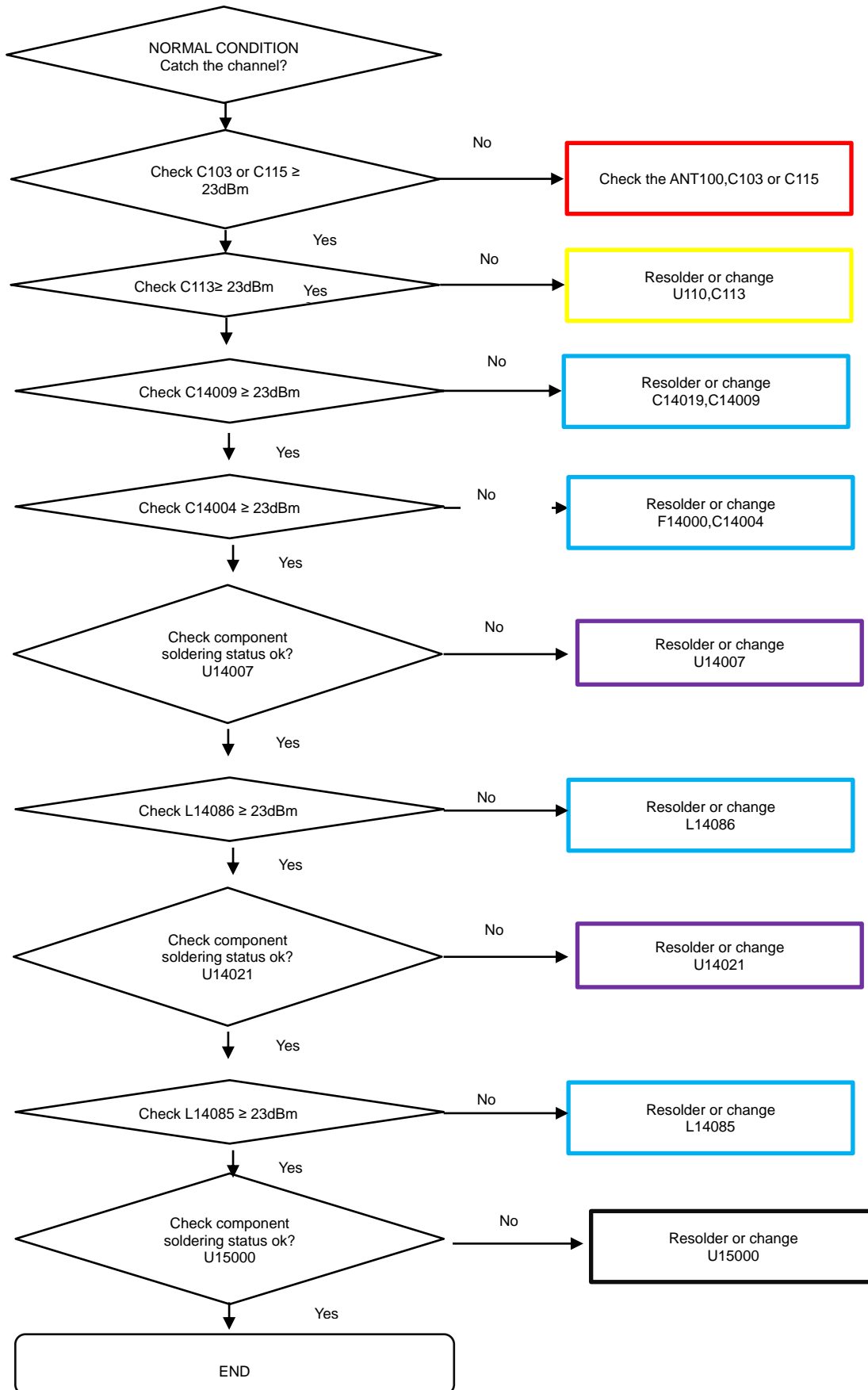
8. Level 3 Repair

8-4-40. LTE B30 TX



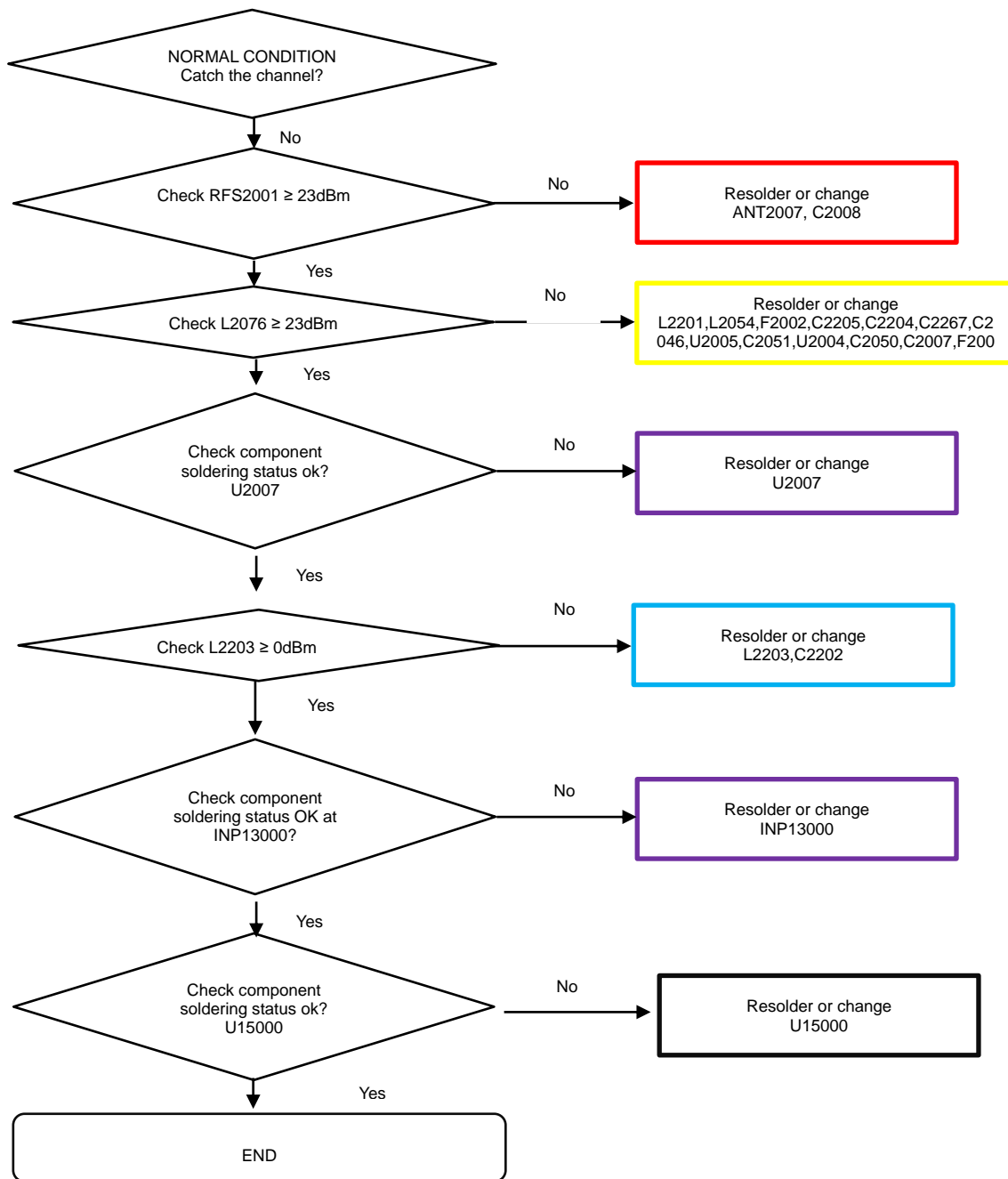
8. Level 3 Repair

8-4-41. GSM DCS/PCS TX



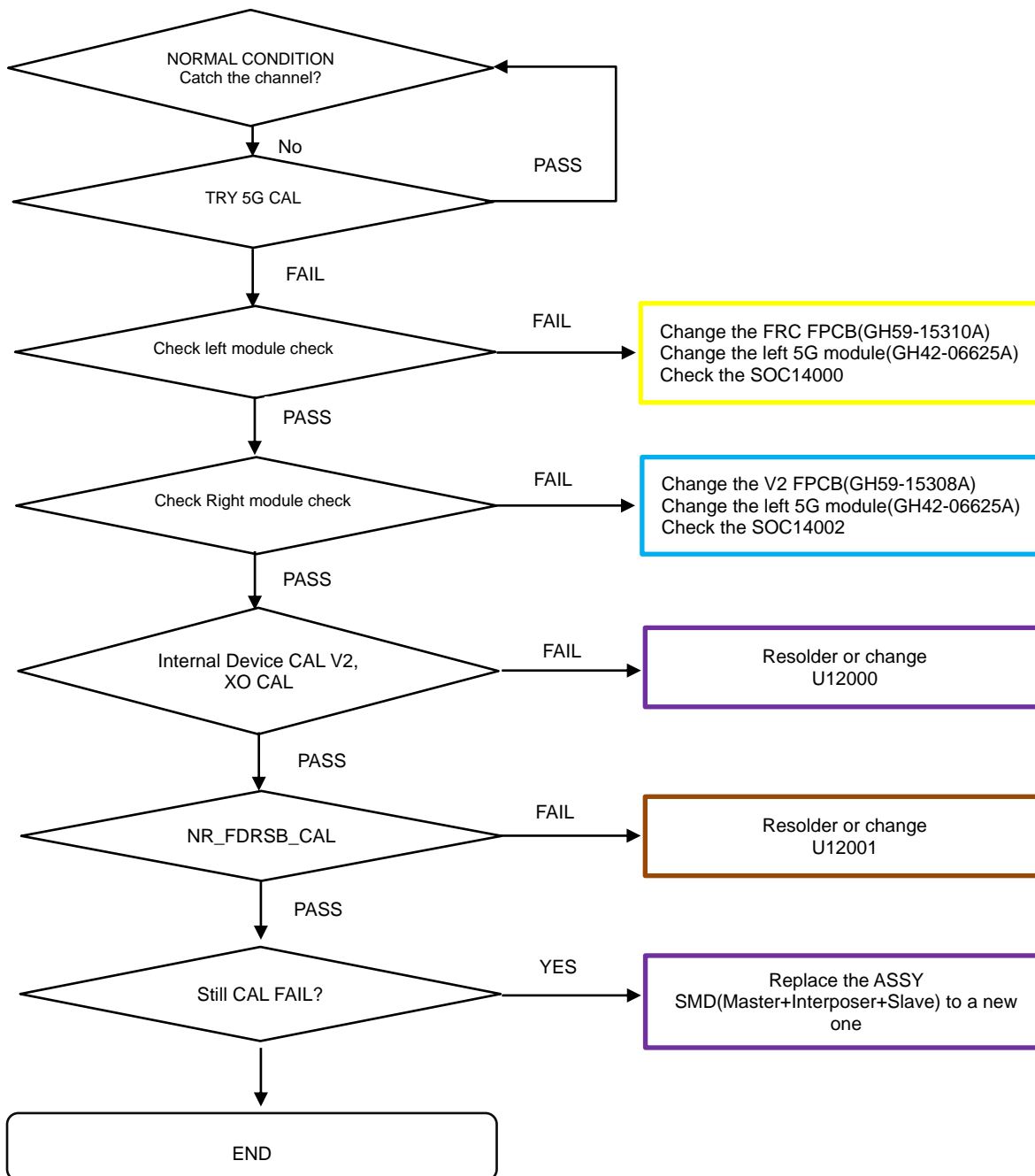
8. Level 3 Repair

8-4-42. N41 TX



8. Level 3 Repair

8-4-43. 5G mmW



8. Level 3 Repair

8-4-44. Dex Station

