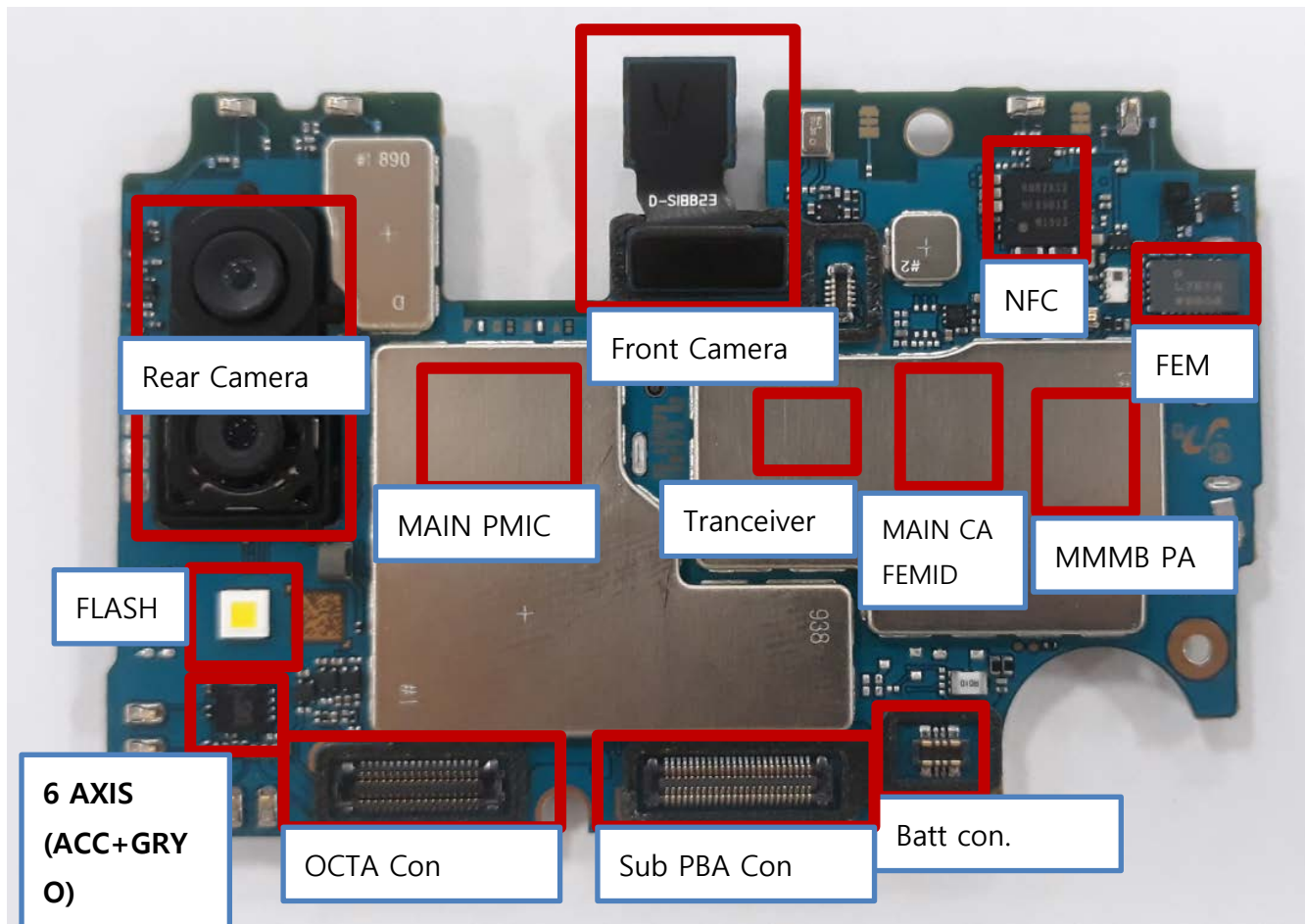
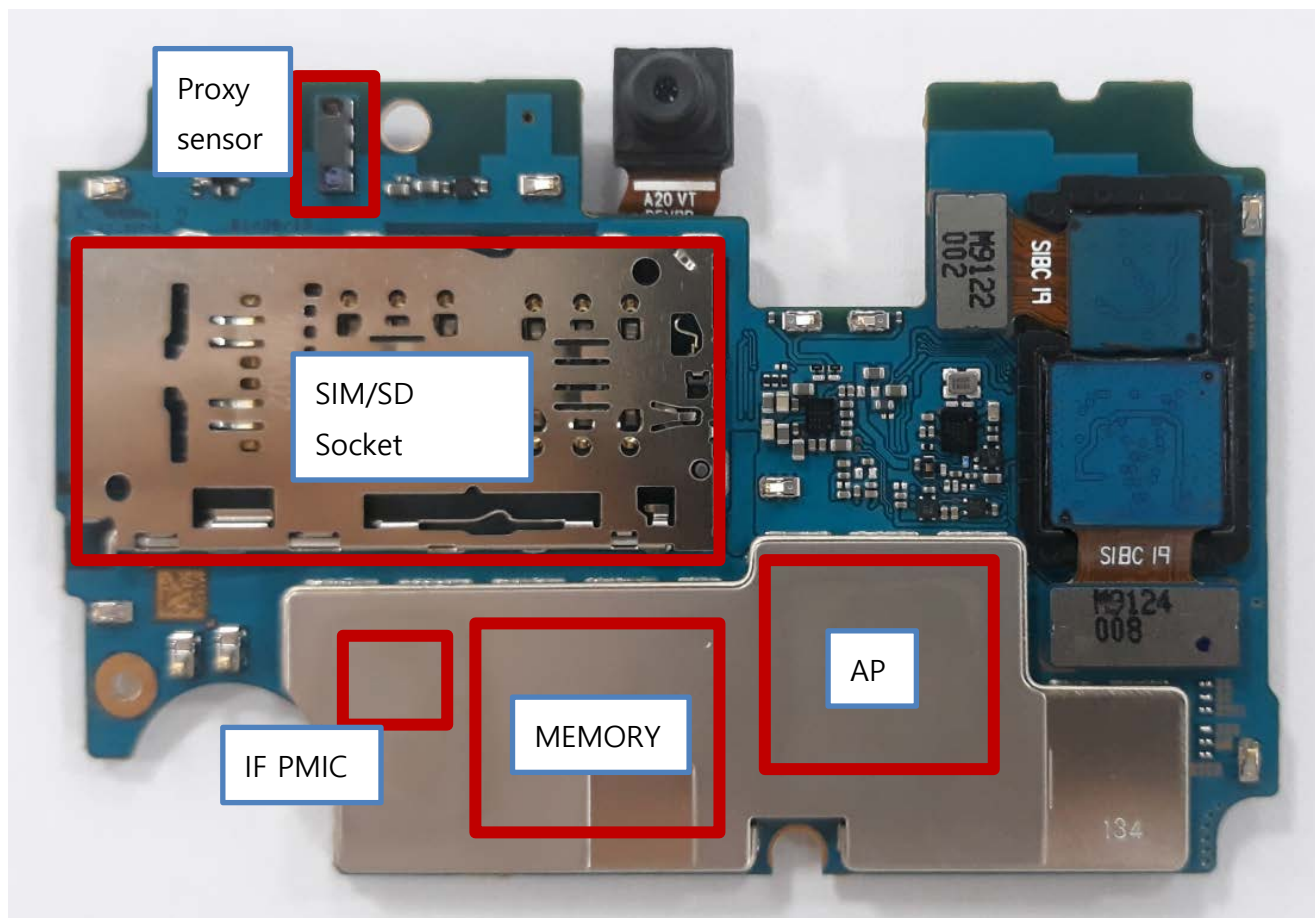


8. Level 3 Repair

8-1. Components Layout



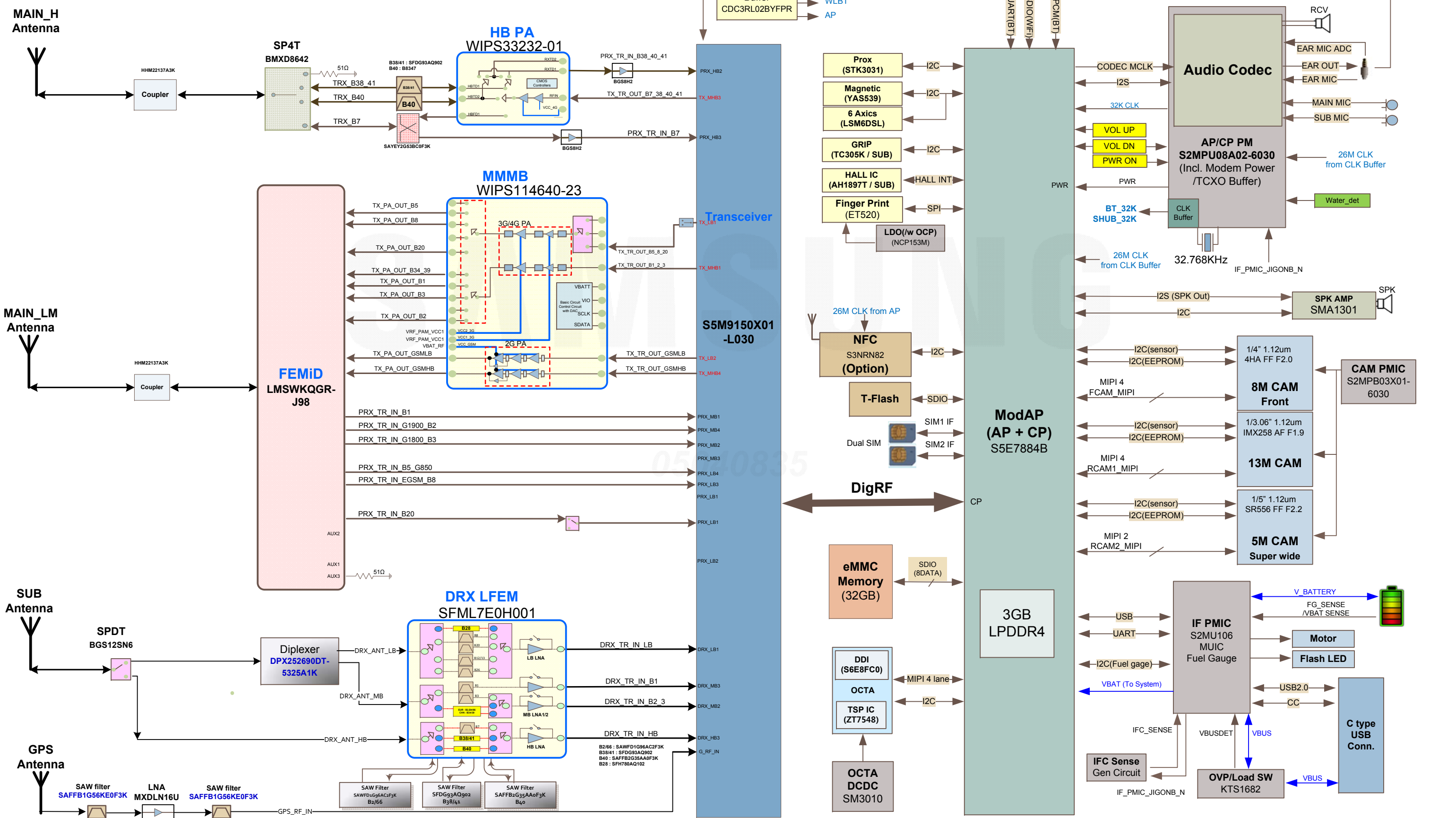
8. Level 3 Repair



A205FN Block Diagram

[지원밴드]
 2G: GSM900/DCS/PCS/GSM850
 3G: B1/B2/B5/B8
 4G_FDD: B1/B3/B5/B7/B20
 4G_TDD: B38/B40/B41

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SM-A205FN

U3016

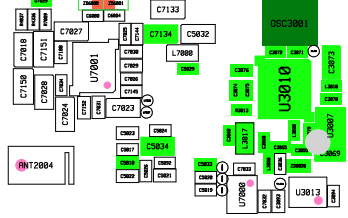
SIM4UP

SIM3

SIM1

SIM2

HDC7003



SC6005

UCP400

HDC7001

UME5000

U5001

L5011

ZZ5001

L7009

L7006

U7005

L7007

C7012

L7002

C7044

C7045

C7046

C7148

L7008

C7862

C7856

C7868

C7855

C7895

C7867

C7864

C7848

C7849

C7848

BH6002

BH6000

CN6002

RNT2003

RNT5002

RNT5005

JTBG4000

RNT2001



C6025

C3101

U3011

RNT2000

RNT6000

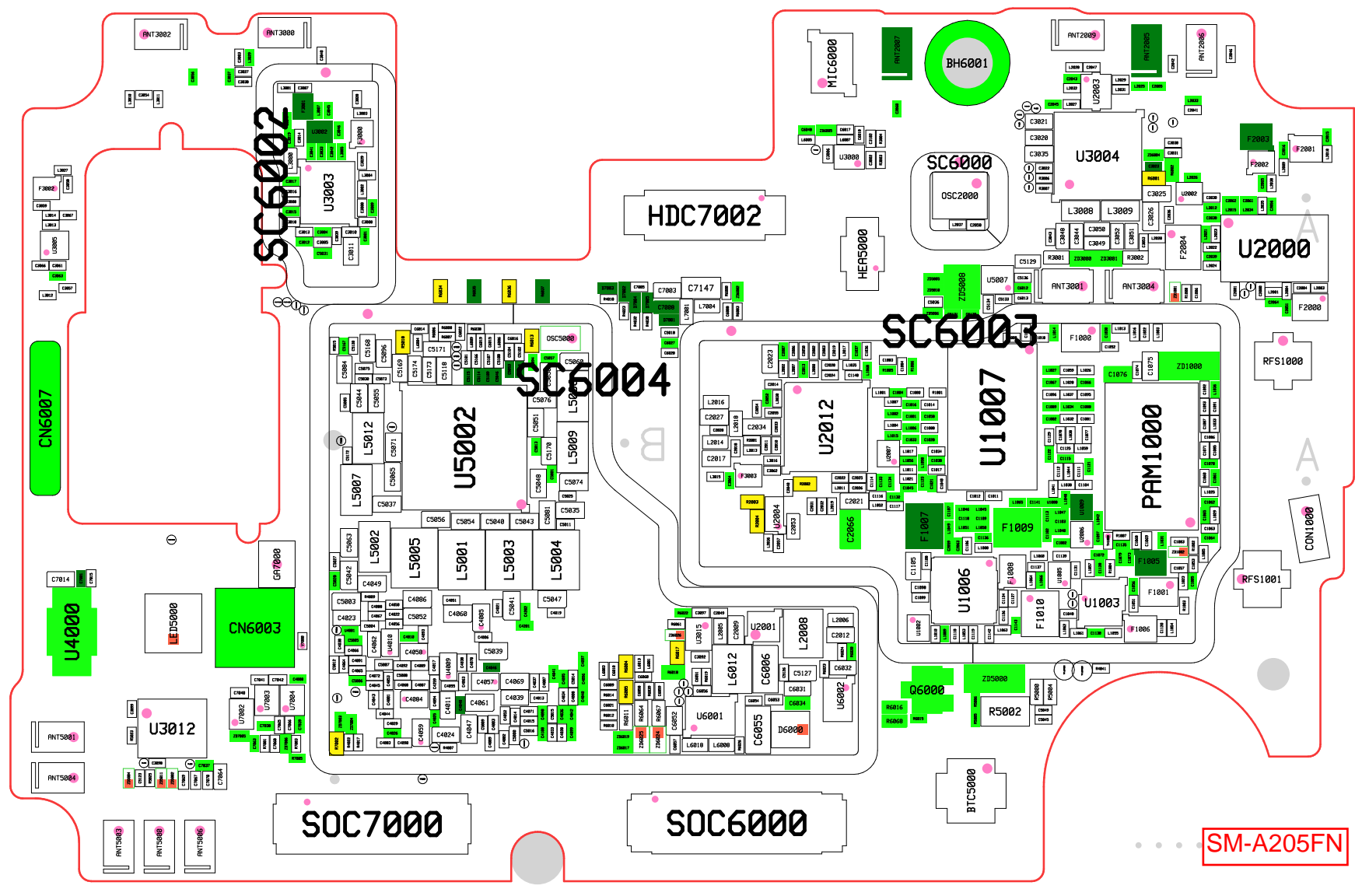
RNT6001

RNT2004

RNT2002

RNT2000

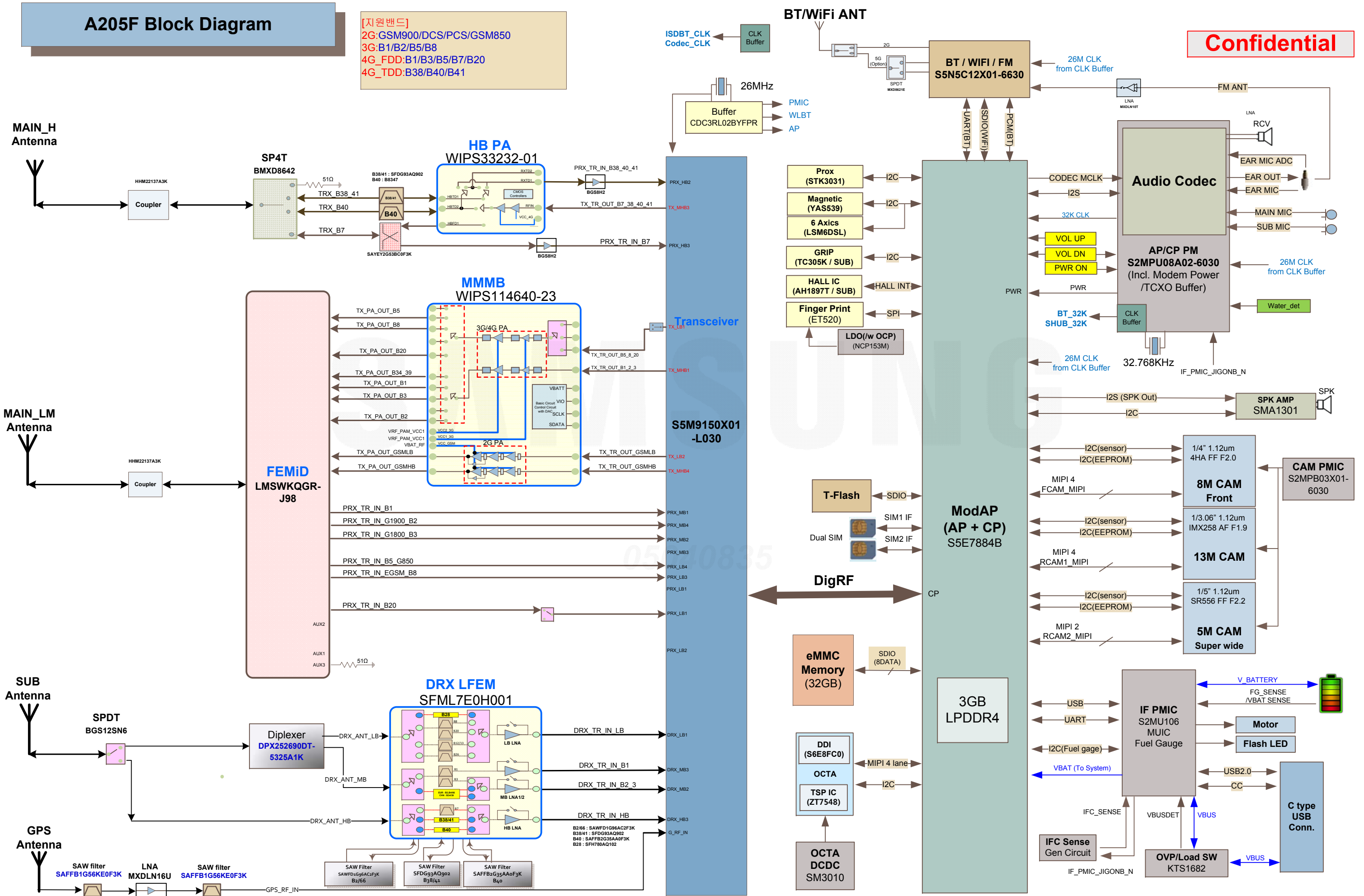




A205F Block Diagram

[지원밴드]
 2G: GSM900/DCS/PCS/GSM850
 3G: B1/B2/B5/B8
 4G_FDD: B1/B3/B5/B7/B20
 4G_TDD: B38/B40/B41

Confidential



SM-A205F

U3016

SIM4UP

SIM3

SIM1

SIM2

HDC7003

SC6005

HDC7001

UCP400

UME5000

U5001

BH6002

BH6000

JTAG4000

ANT2001

R3905
C3108
U3014
K3014
R3912

C6825
C3101
C3001
U3011
C3001

ANT2000

ANT2000

ANT6000

ANT6001

C7133
C7134
C5832
DSC2001
U3010
U3013
C7132
C7131
C7130
C7129
C7128
C7127
C7126
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C7001
C7000

ANT2004

A

B

C

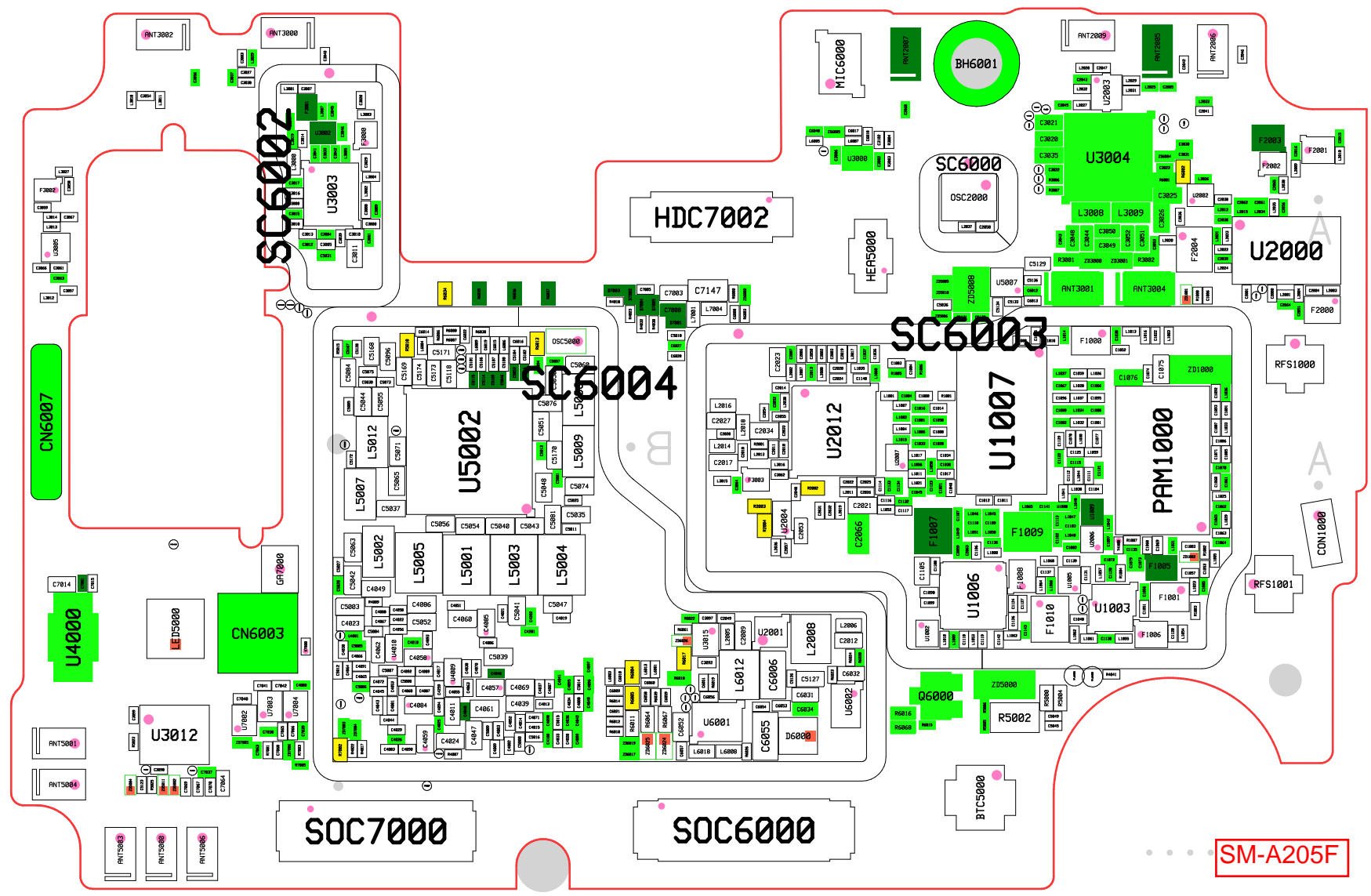
D

A

A

BK22
BK23
BK24
BK25

ANT2000

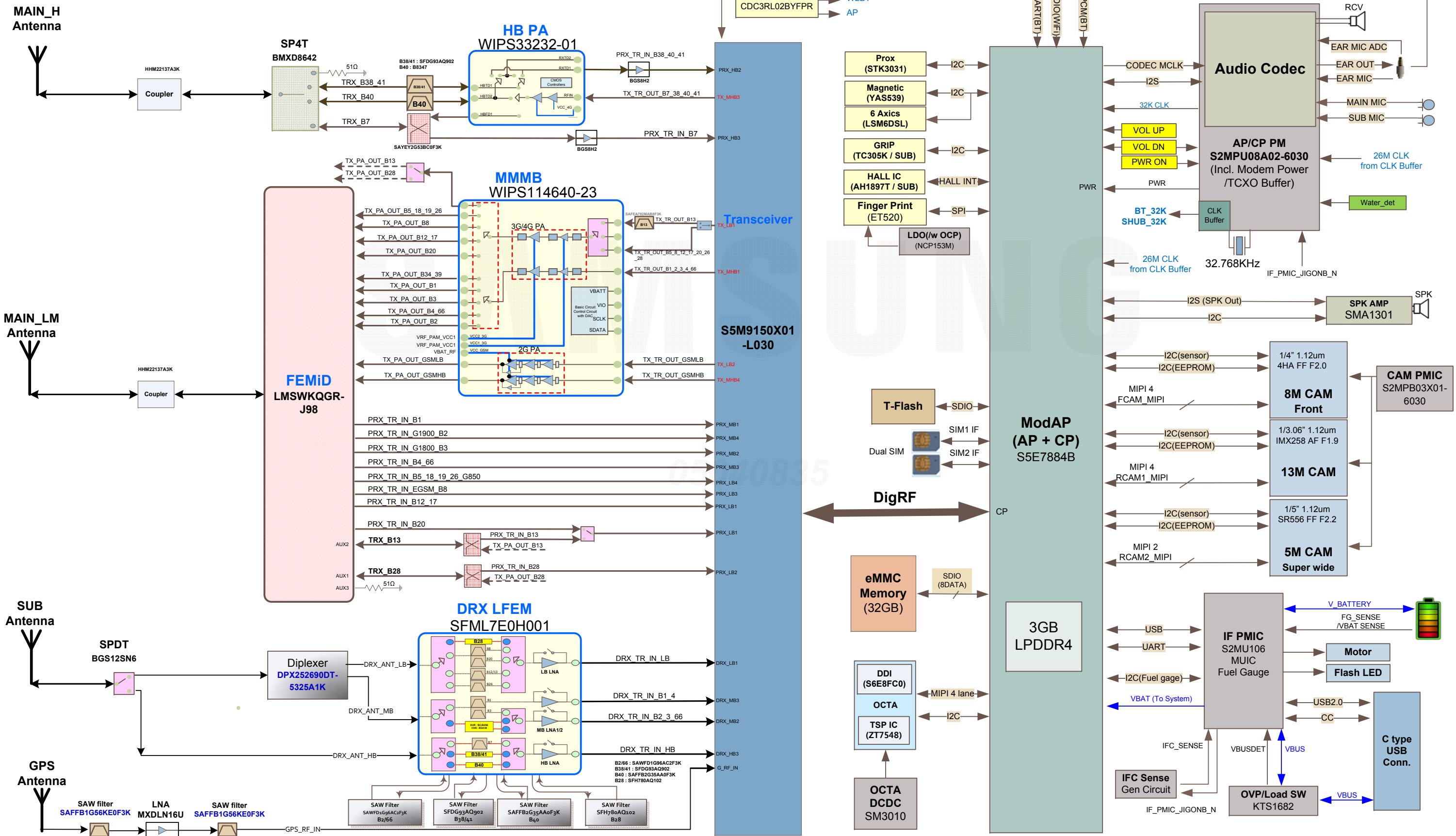


SM-A205F

A205G Block Diagram(Global)

[지원밴드]
 2G: GSM900/DCS/PCS/GSM850
 3G: B1/B2/B4/B5/B8
 4G_FDD: B1/B2/B3/B4/B5/B7/B8/B12
 /B13/B17/B20/B28/B66
 4G_TDD: B38/B40/B41

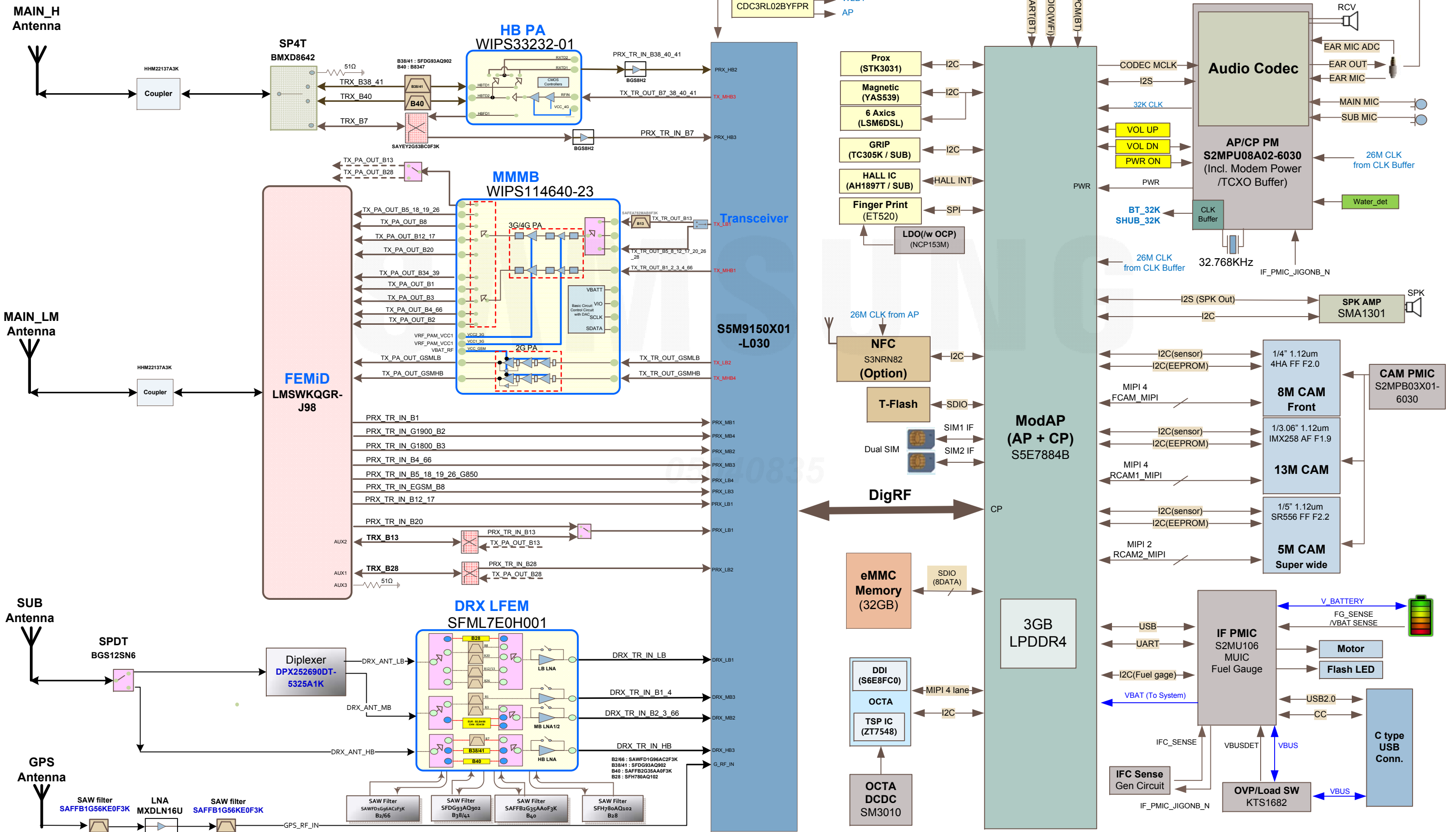
Confidential

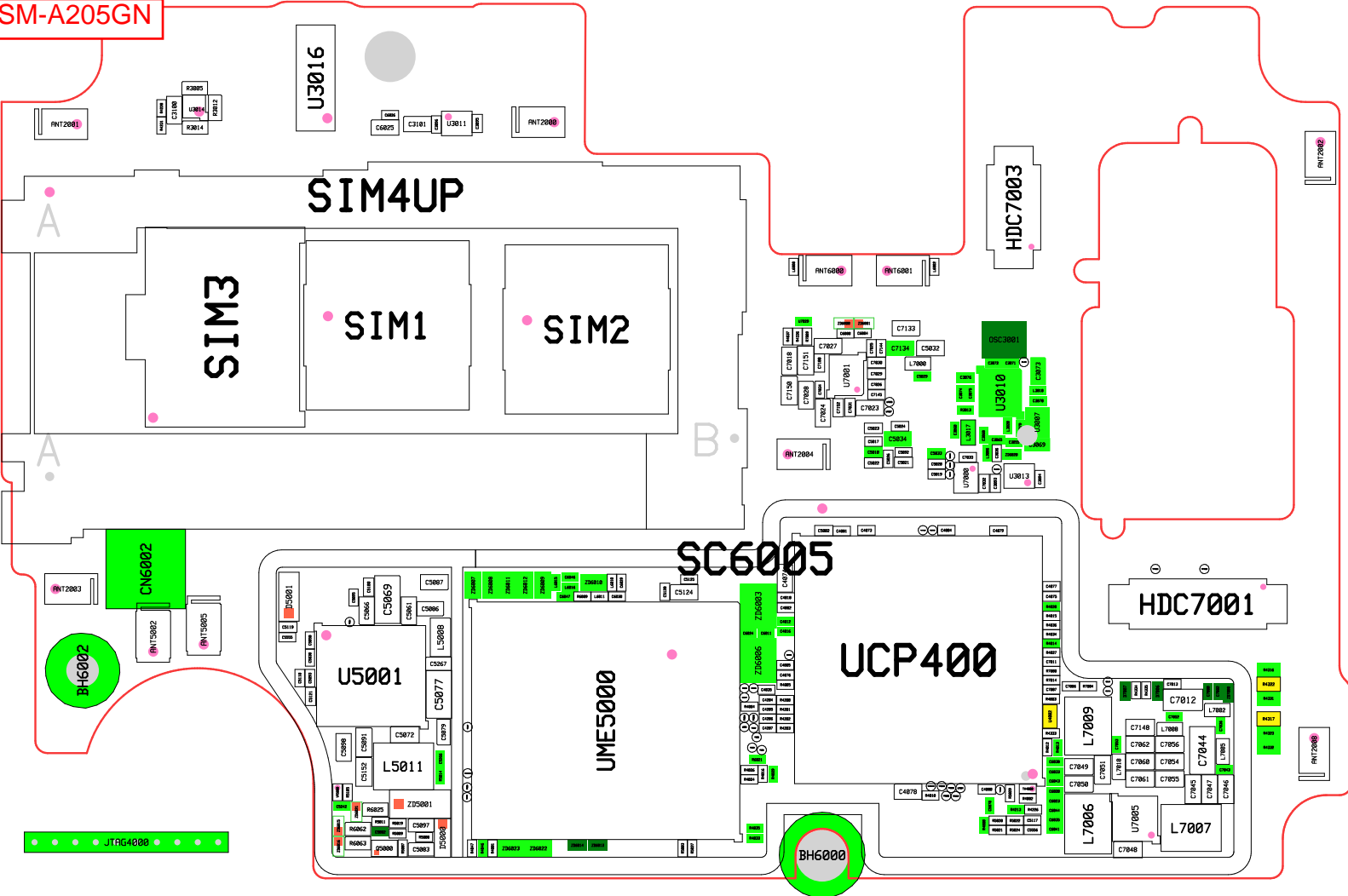


A20GN Block Diagram(Global)

[지원밴드]
 2G: GSM900/DCS/PCS/GSM850
 3G: B1/B2/B4/B5/B8
 4G_FDD: B1/B2/B3/B4/B5/B7/B8/B12
 /B13/B17/B20/B28/B66
 4G_TDD: B38/B40/B41

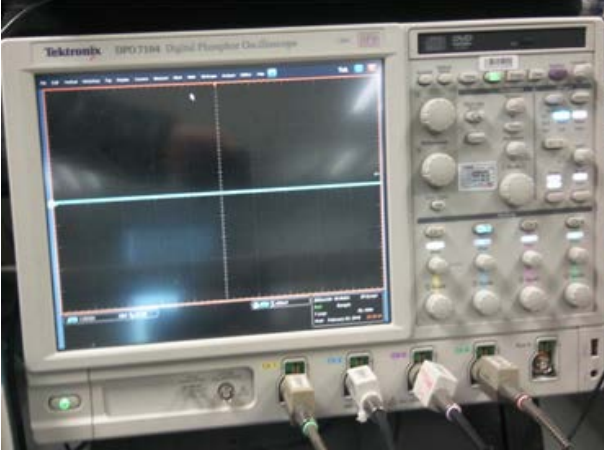


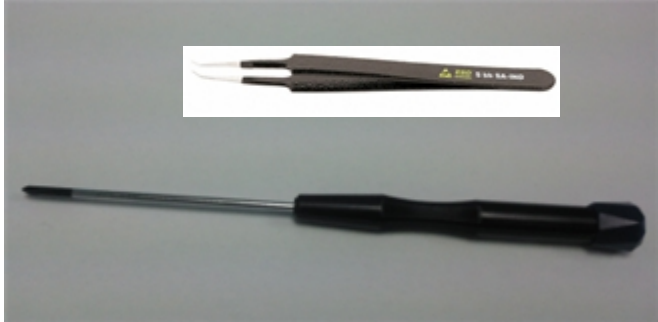
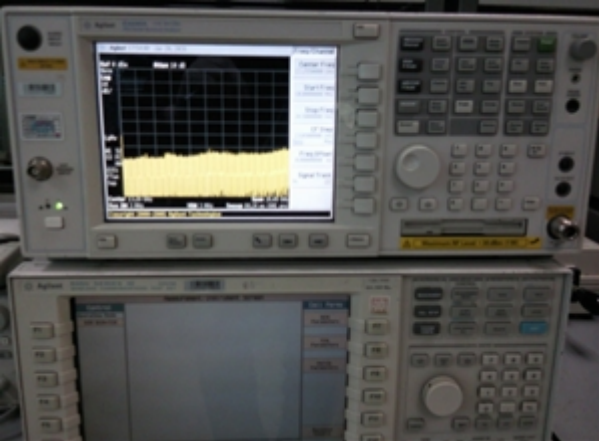

Confidential





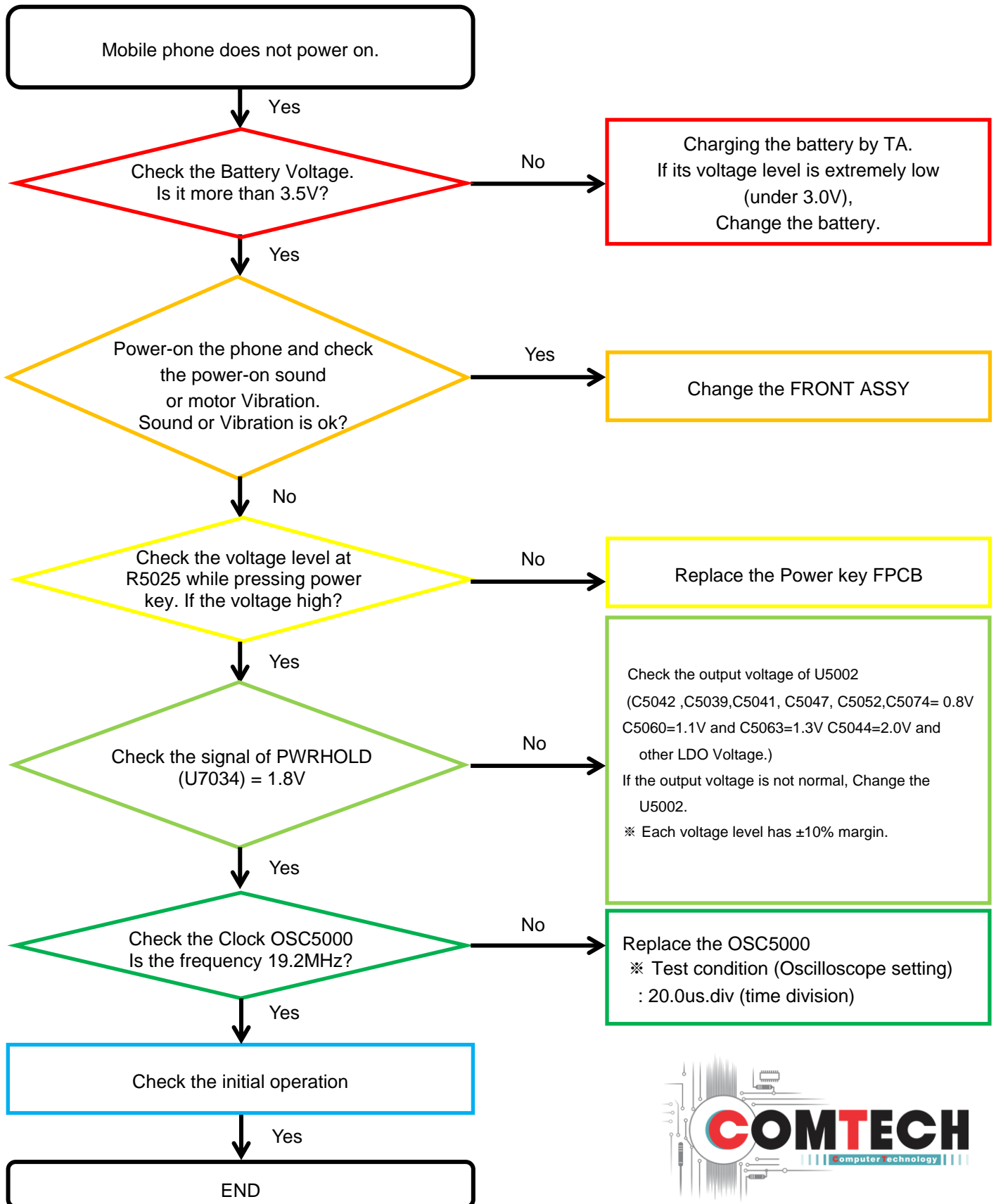
8. Level 3 Repair

8-3. Flow chart of Troubleshooting.

	
<p>Oscilloscope</p>	<p>Digital Multimeter</p>
	
<p>Power Supply</p>	<p>+ driver, ESD Safe Tweezer</p>
	
<p>8960 & Spectrum Analyzer</p>	<p>Soldering iron</p>

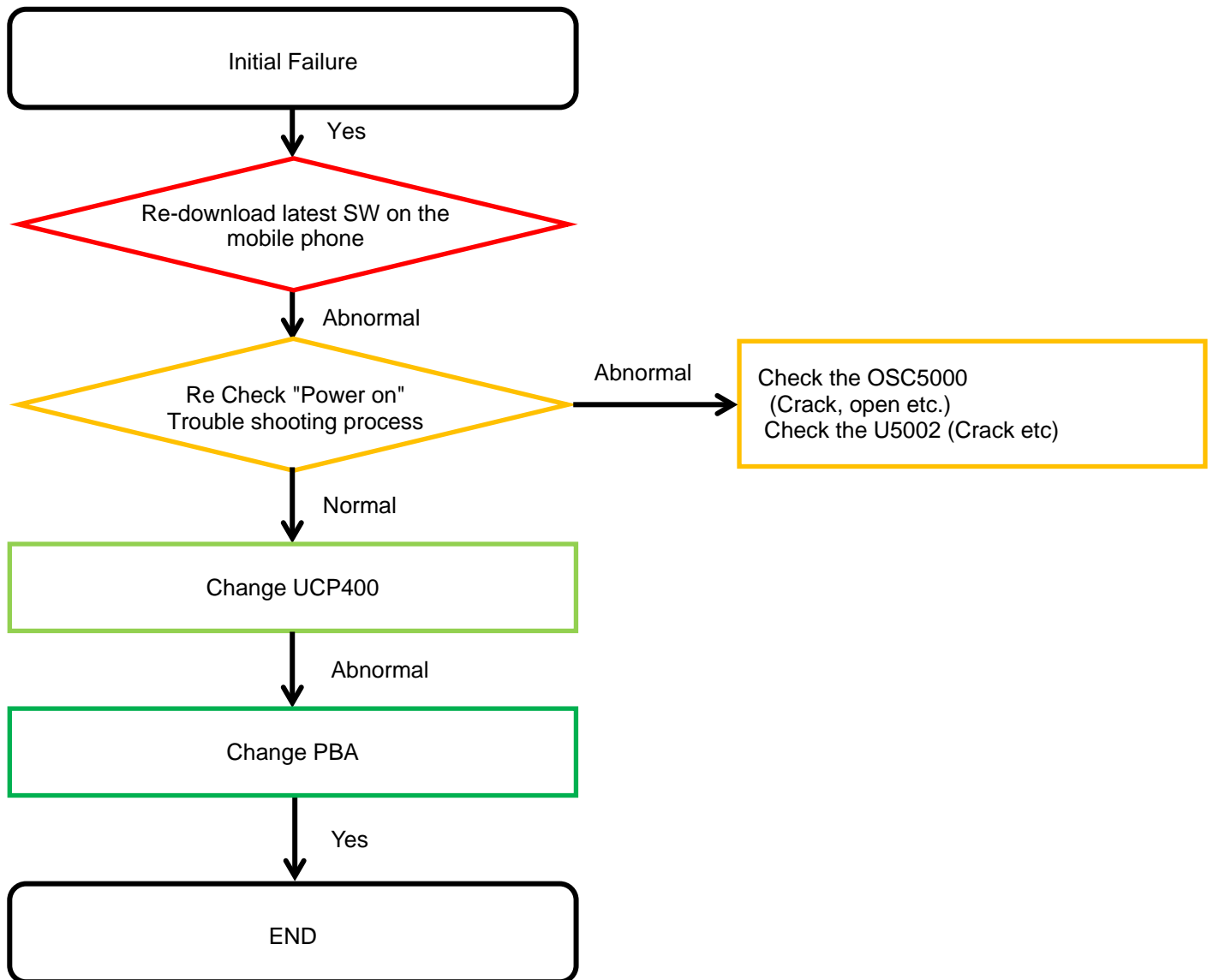
8. Level 3 Repair

8-4-1. Power On



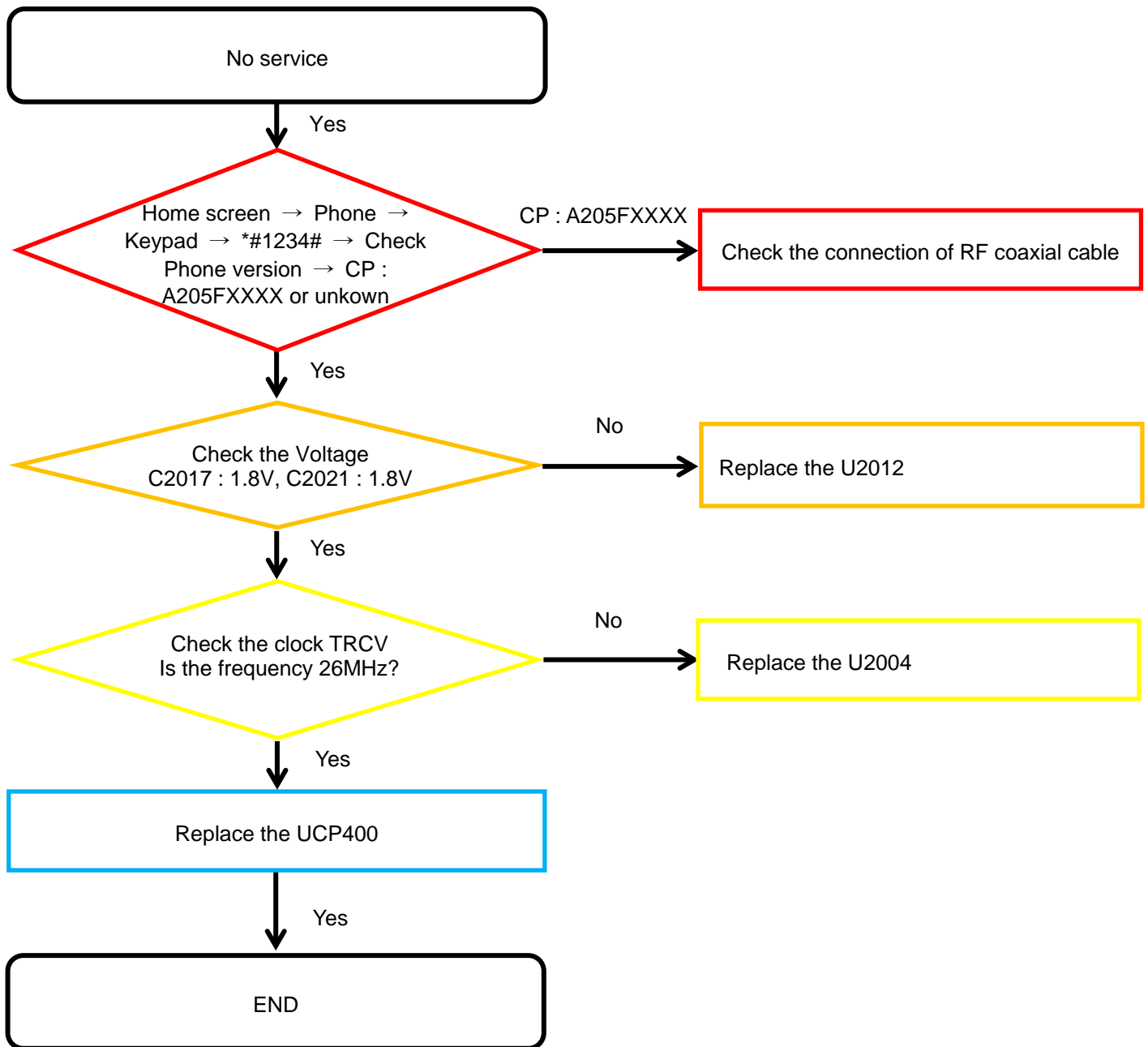
8. Level 3 Repair

8-4-2. Initial



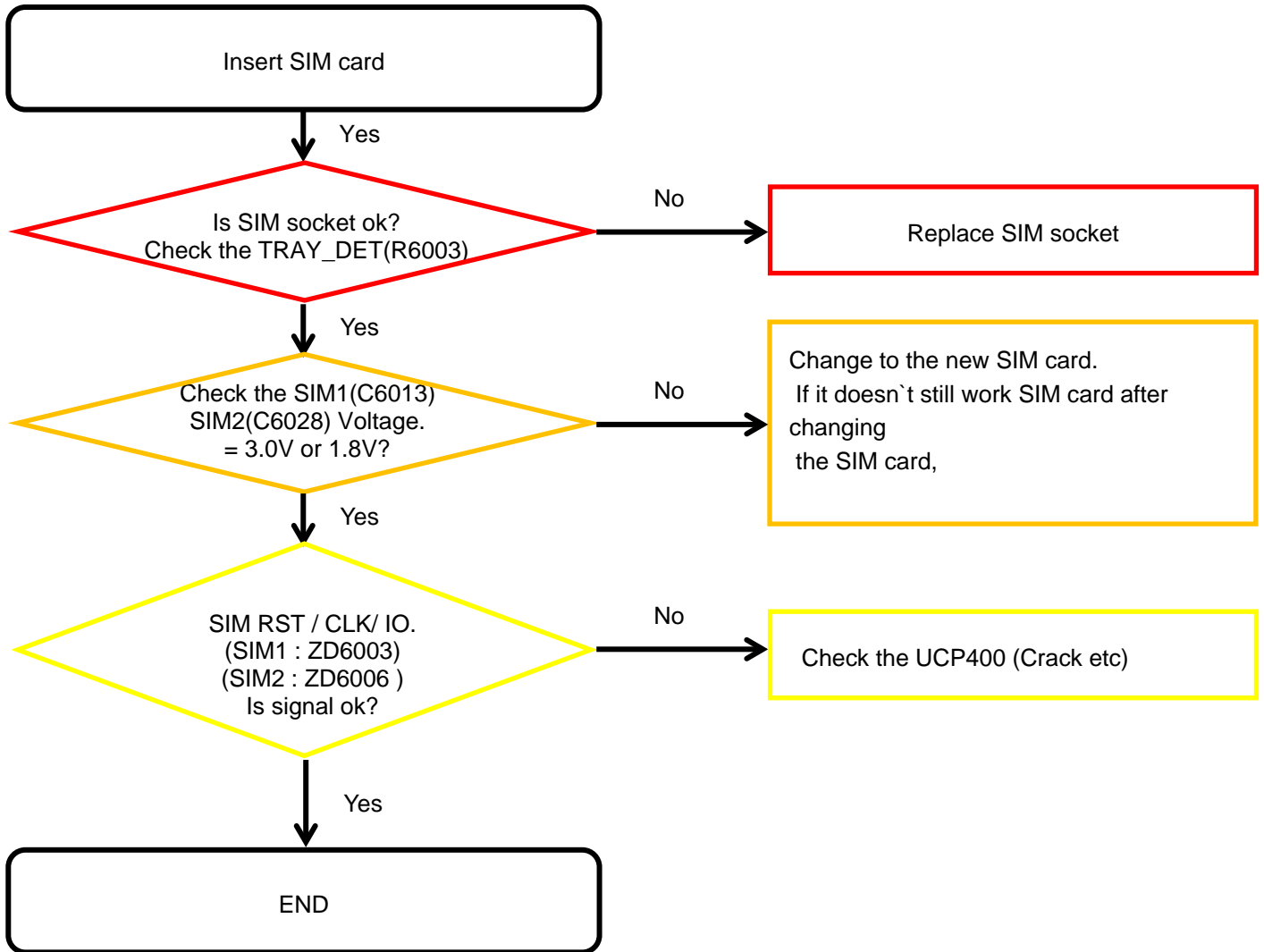
8. Level 3 Repair

8-4-3. No Service



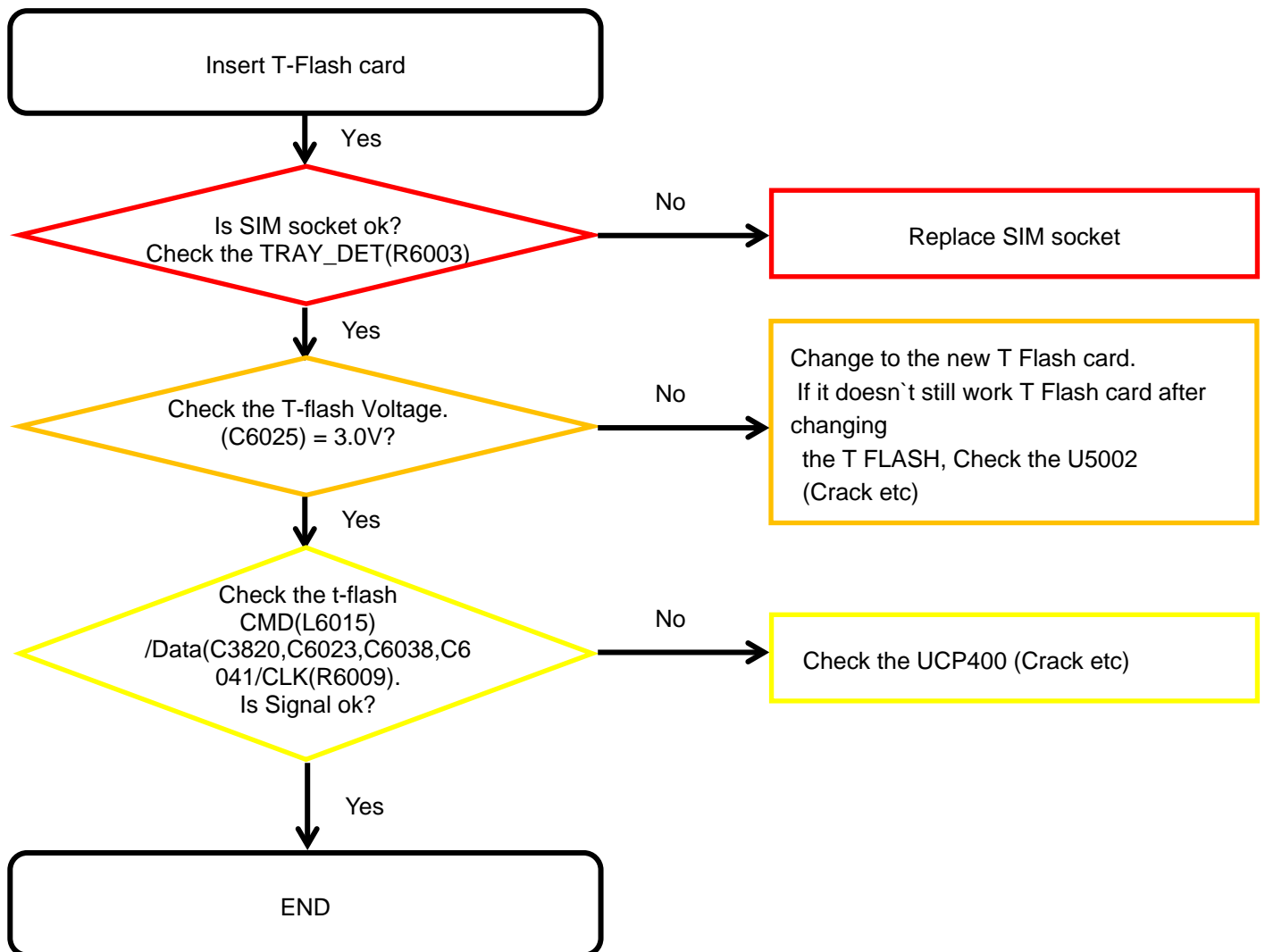
8. Level 3 Repair

8-4-4. SIM Part



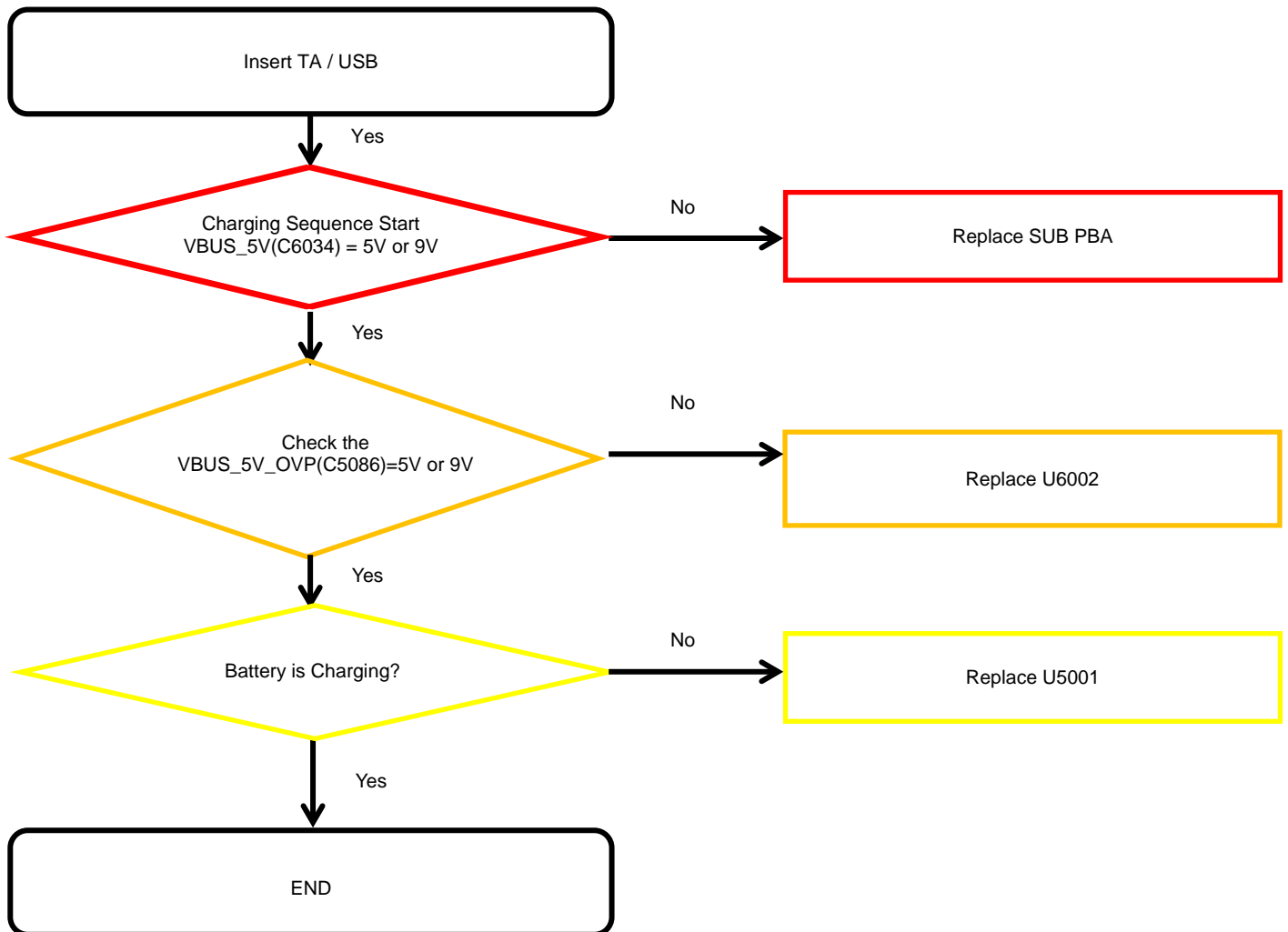
8. Level 3 Repair

8-4-5. T-Flash Part



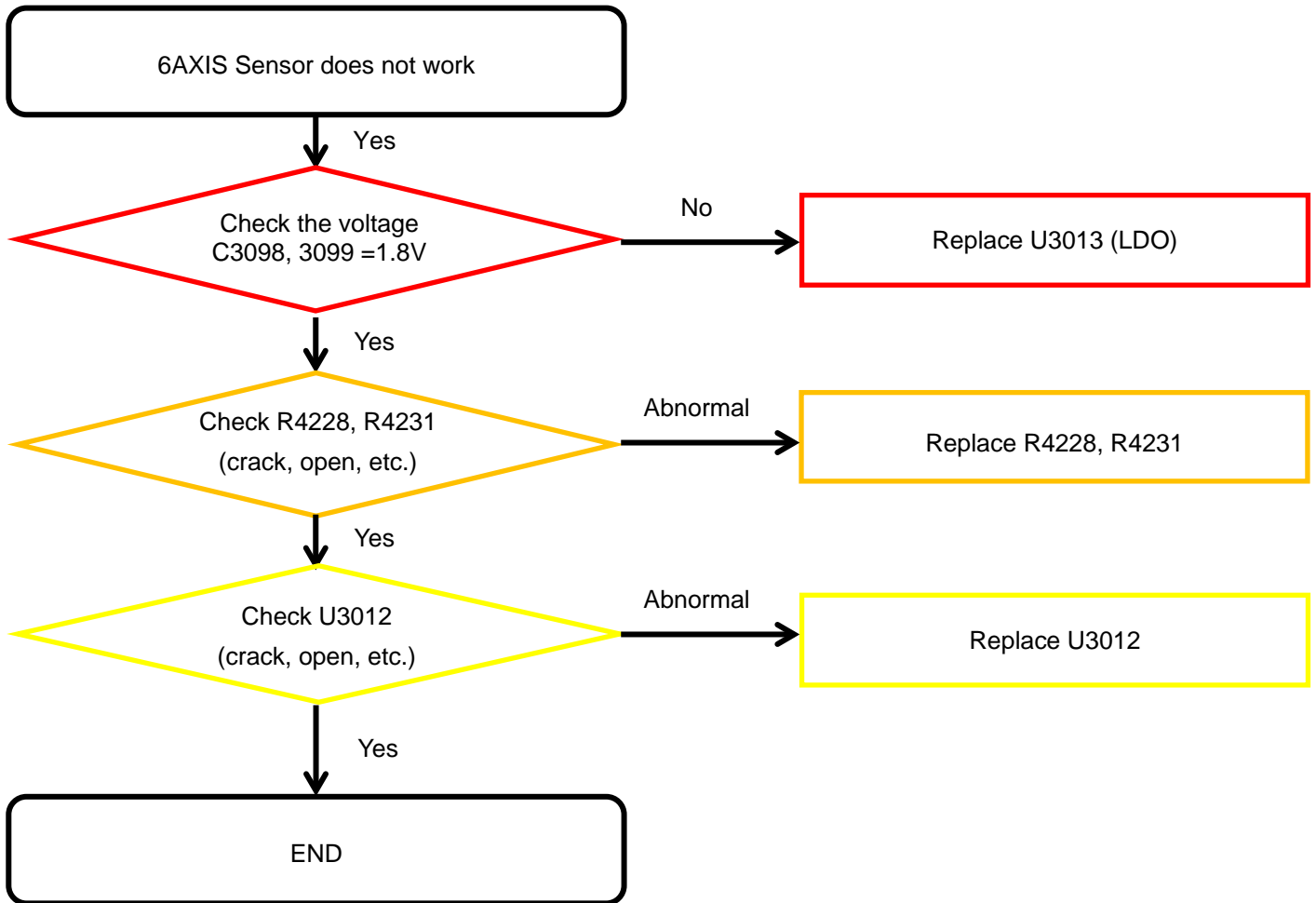
8. Level 3 Repair

8-4-6. Cable Charging Part



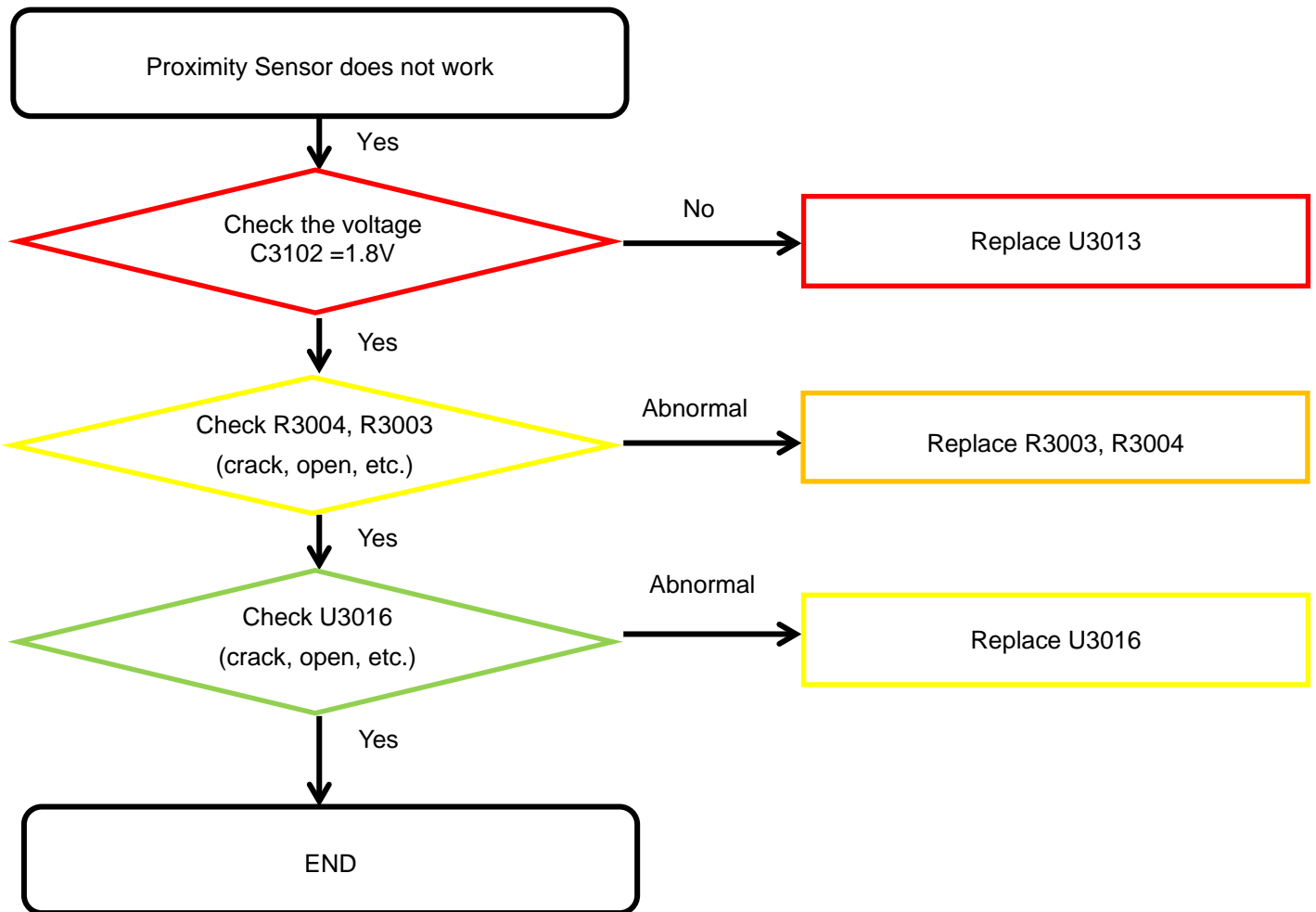
8. Level 3 Repair

8-4-7-1. 6AXIS (Accelerator+Gyro) Sensor



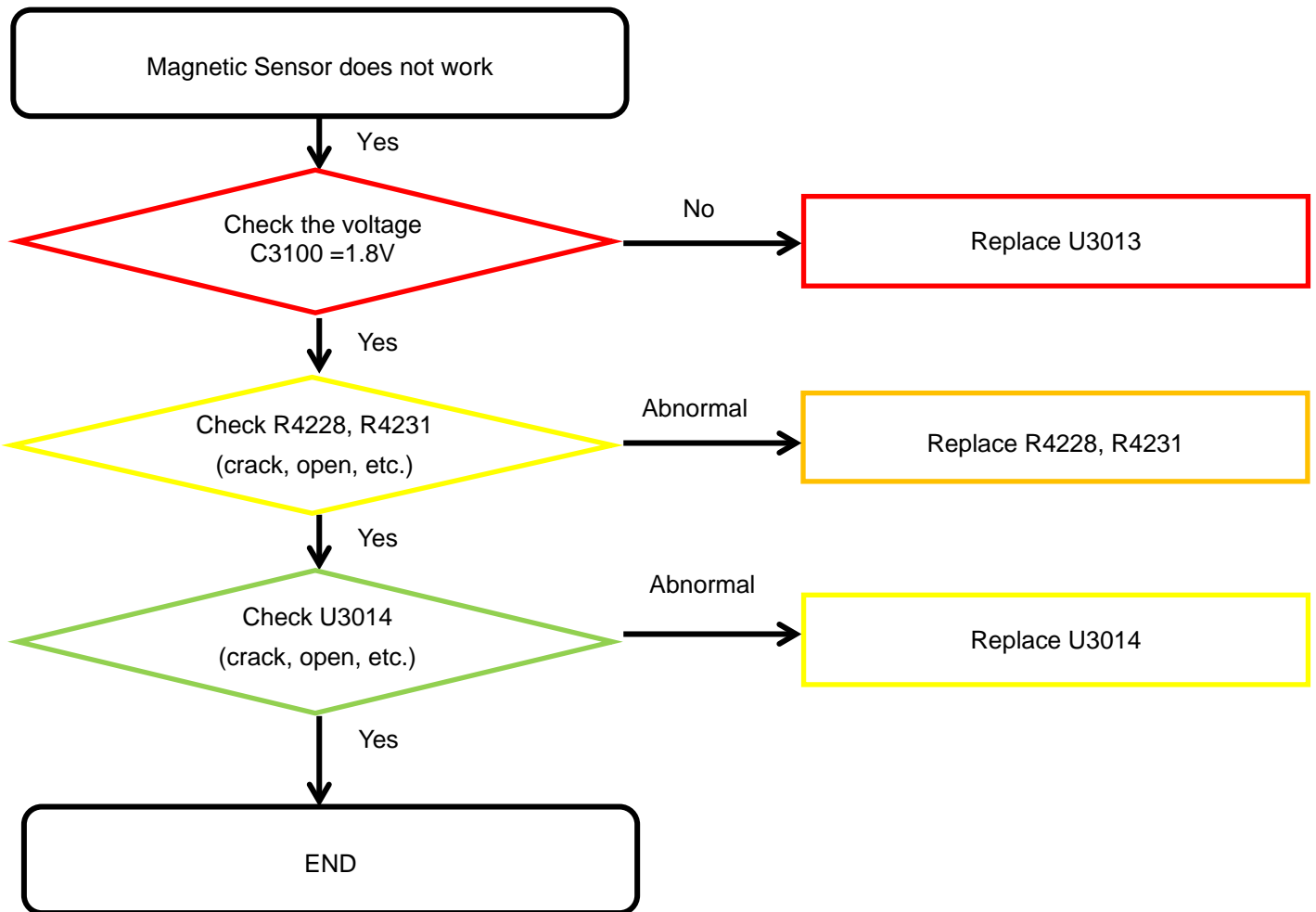
8. Level 3 Repair

8-4-7-2. Proximity sensor



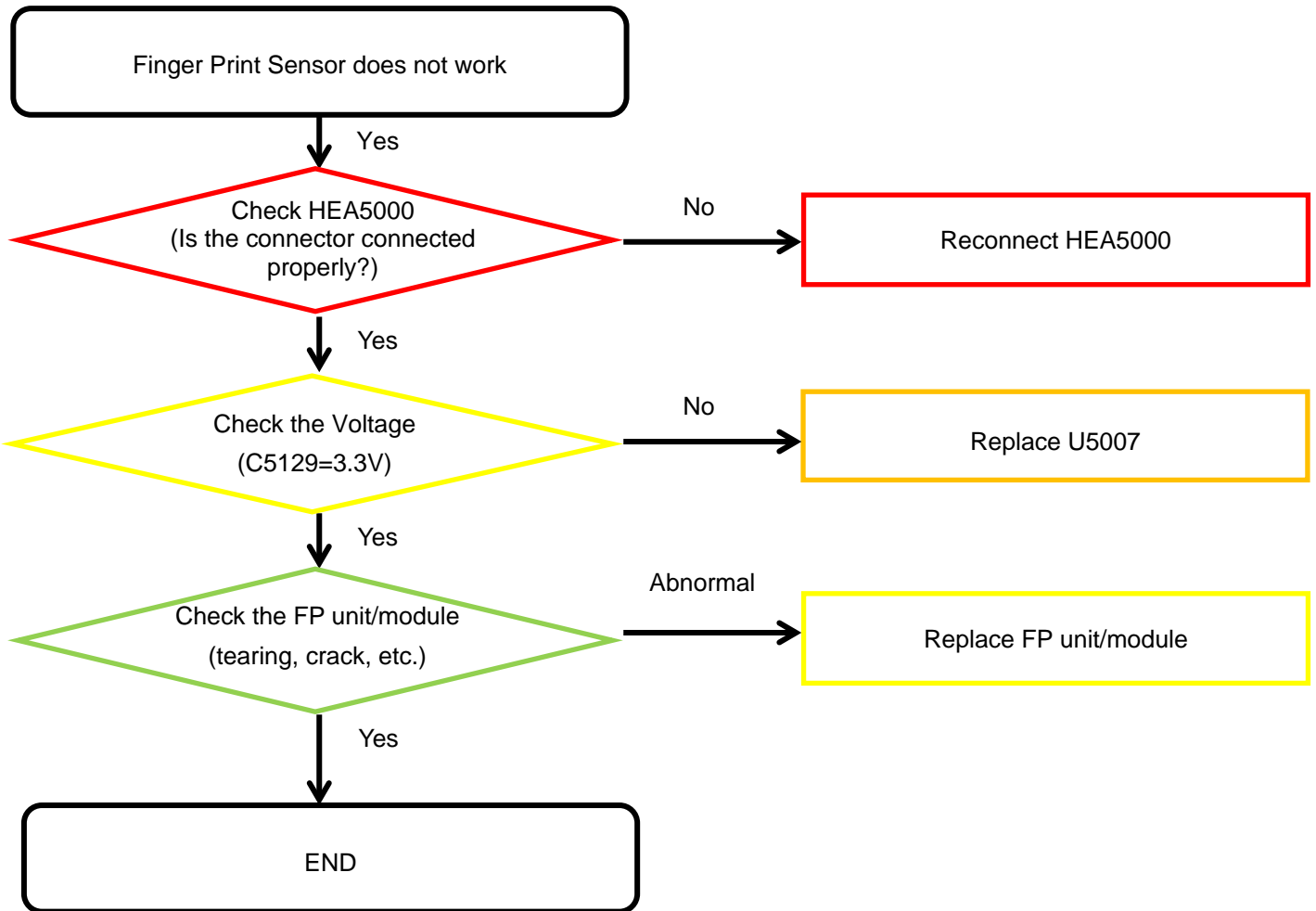
8. Level 3 Repair

8-4-7-3. Magnetic sensor



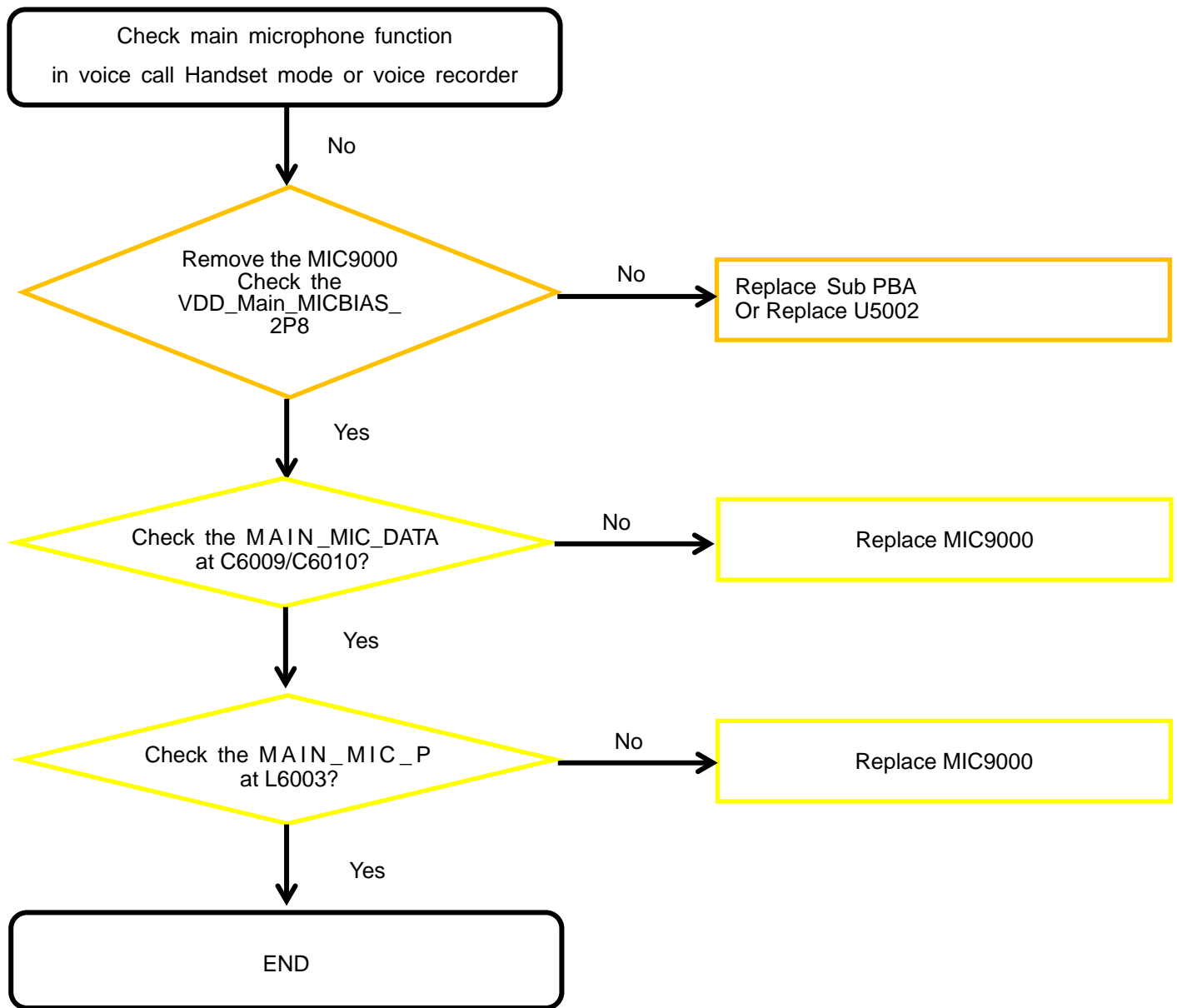
8. Level 3 Repair

8-4-7-4. Finger Print sensor



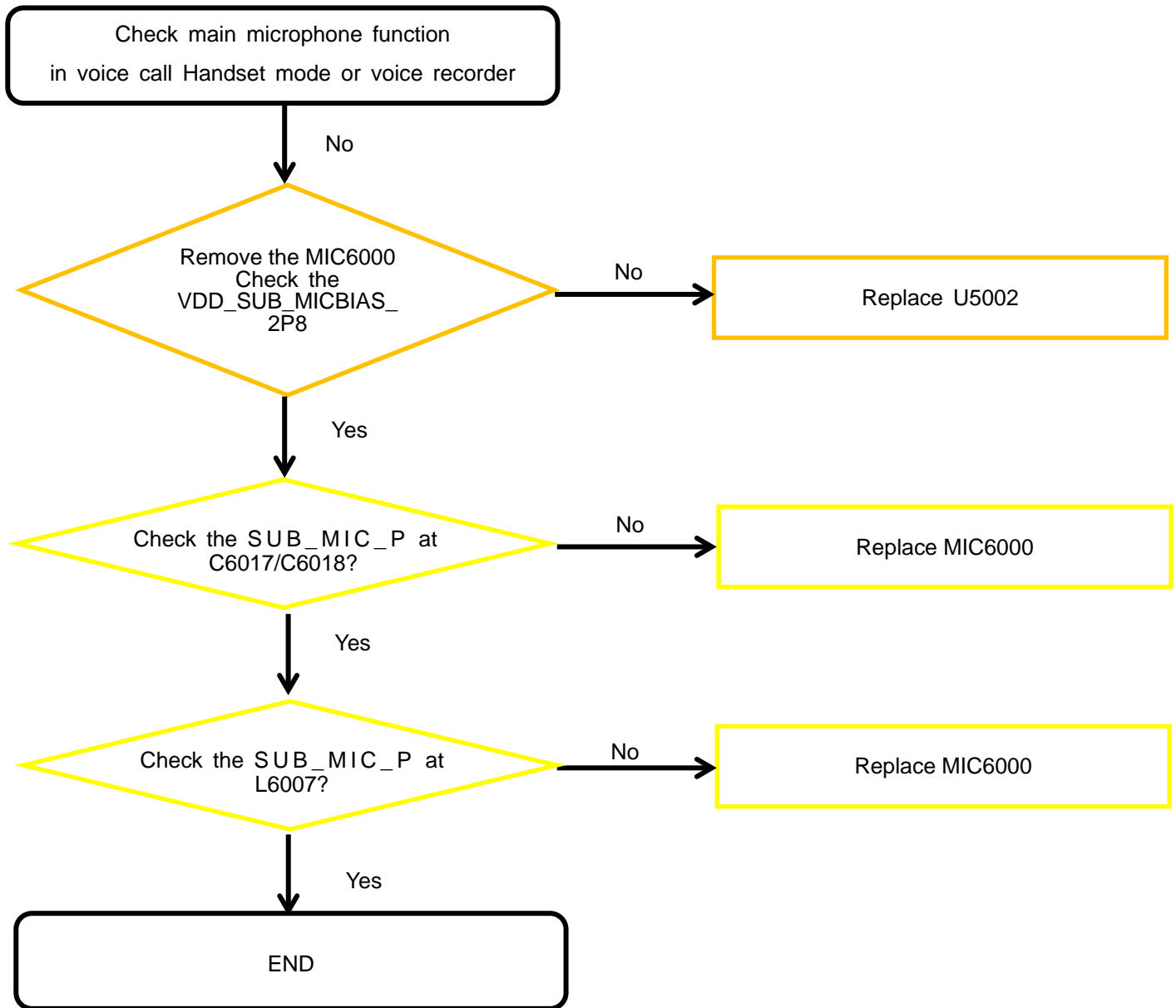
8. Level 3 Repair

8-4-8-1. Microphone Part - Main MIC



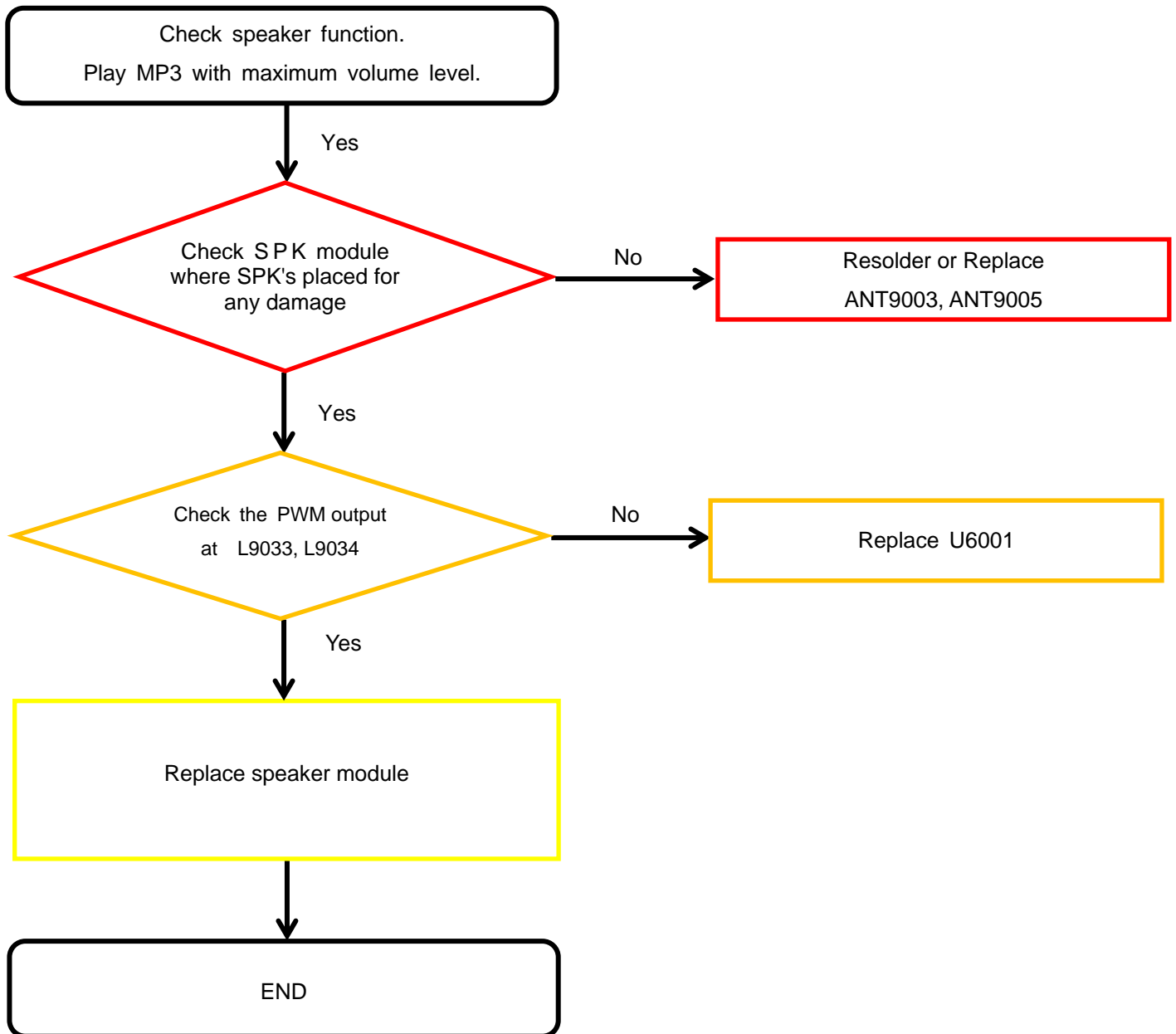
8. Level 3 Repair

8-4-8-2. Microphone Part - Sub MIC



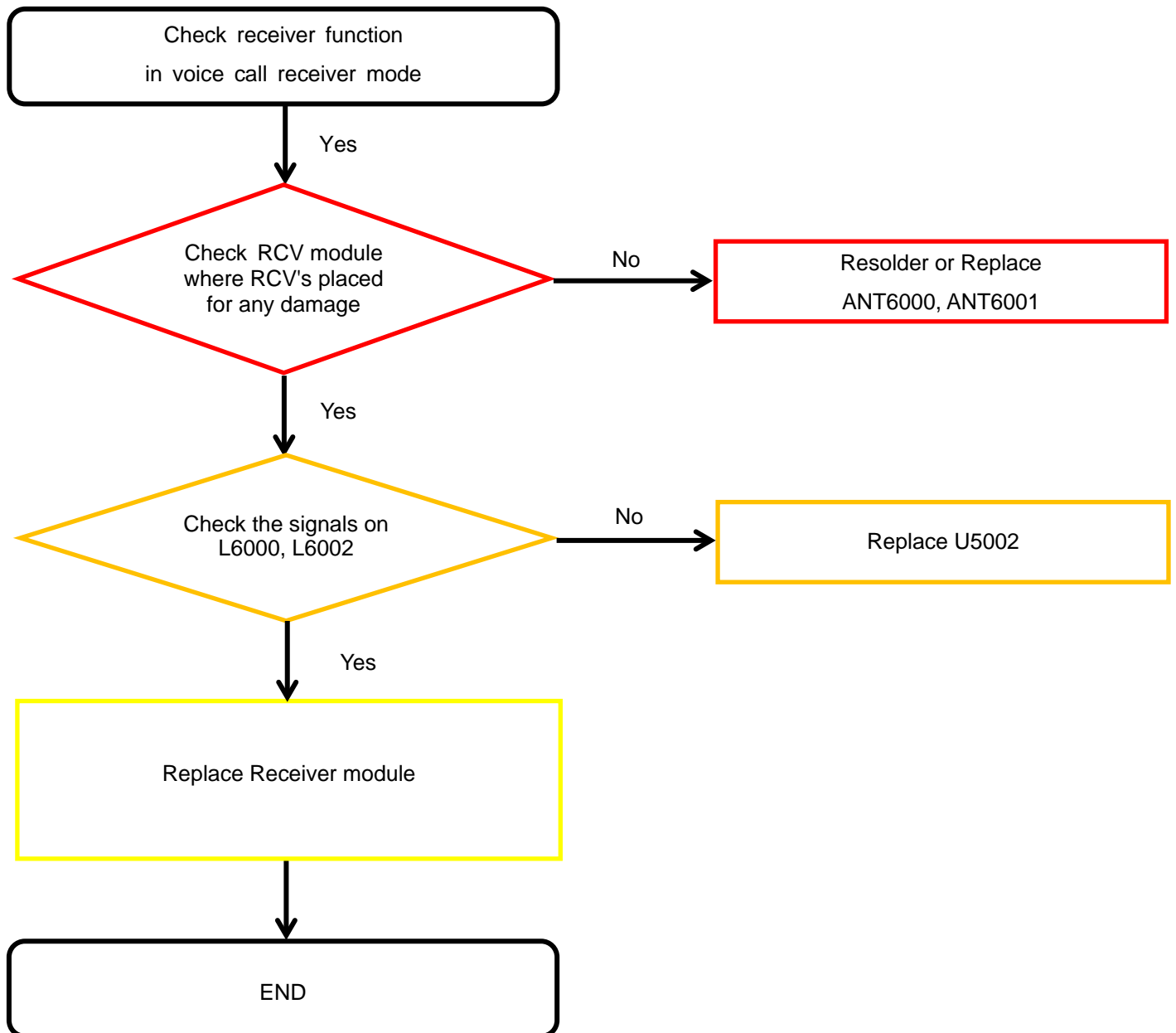
8. Level 3 Repair

8-4-9. Speaker Part



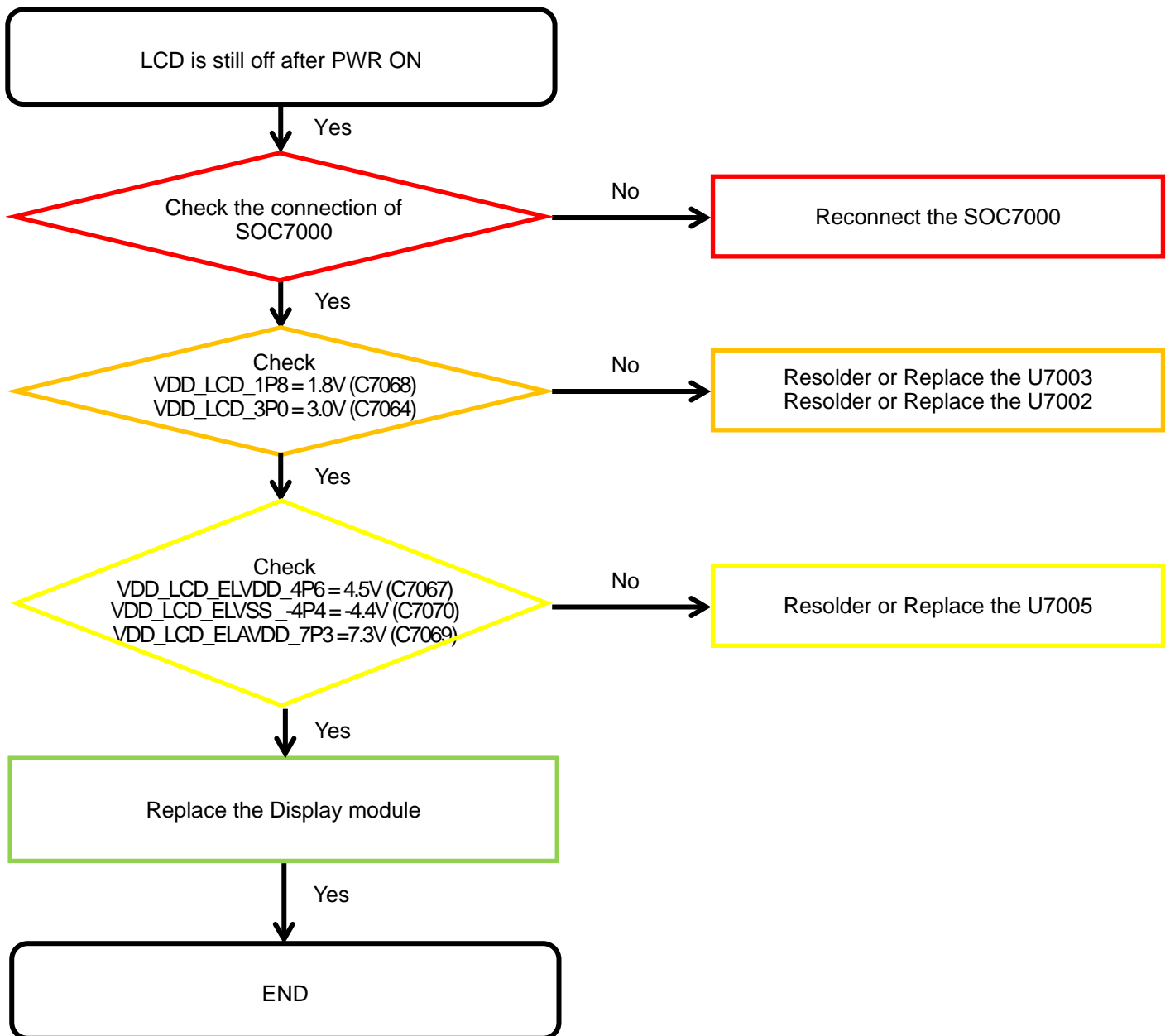
8. Level 3 Repair

8-4-10. Receiver Part



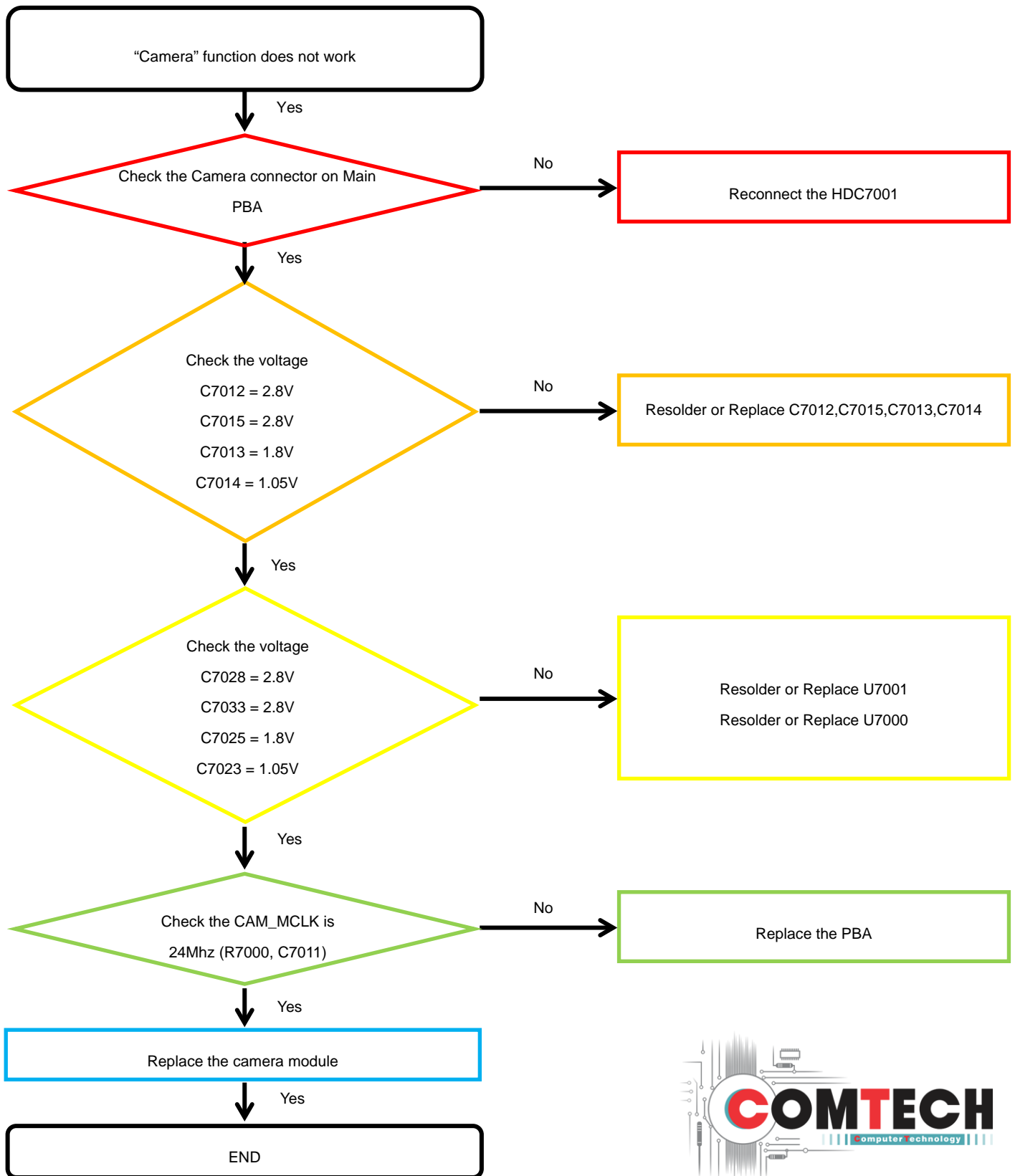
8. Level 3 Repair

8-4-11. Display



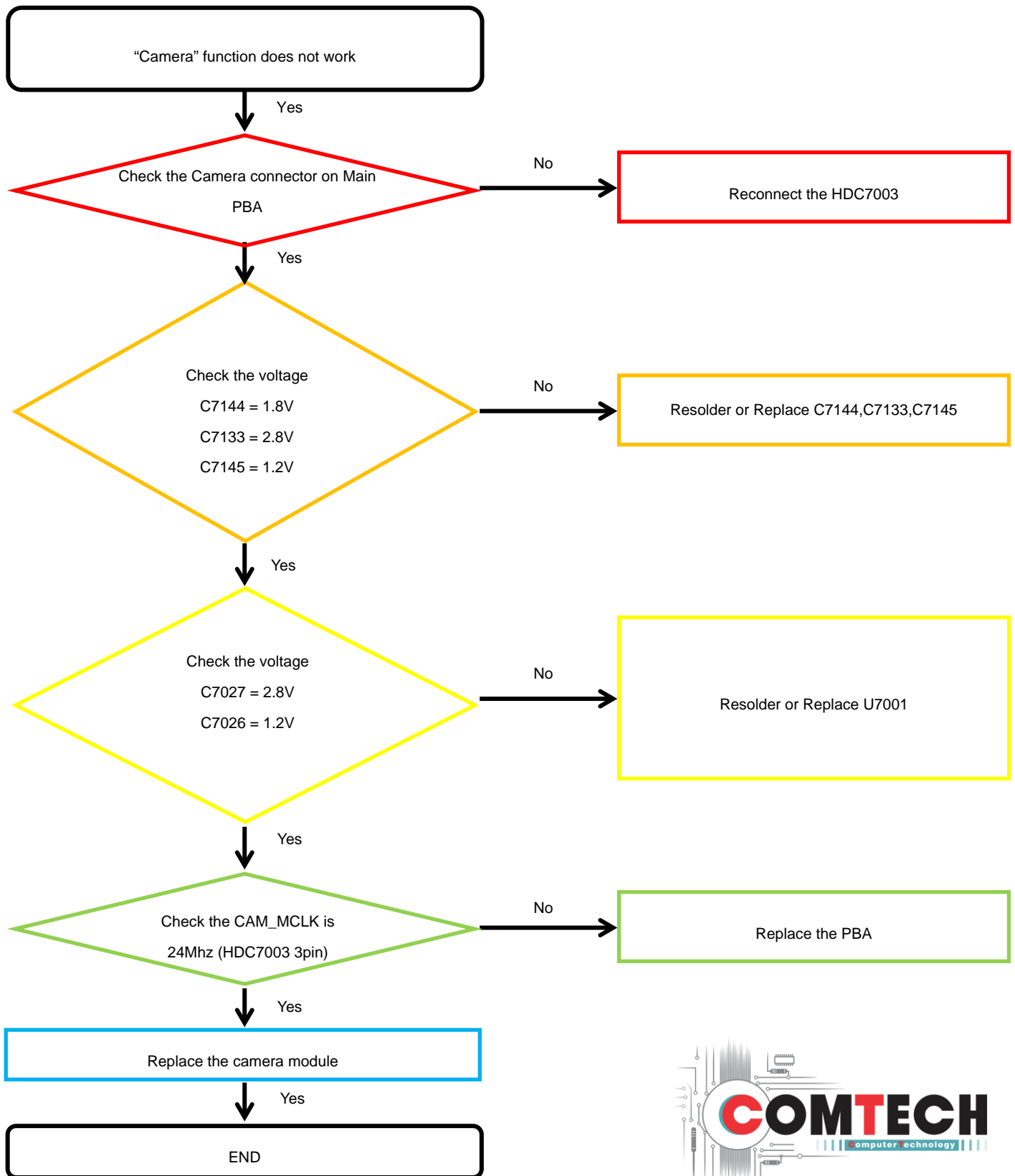
8. Level 3 Repair

8-4-12-1. 13M AF Rear CAMERA



8. Level 3 Repair

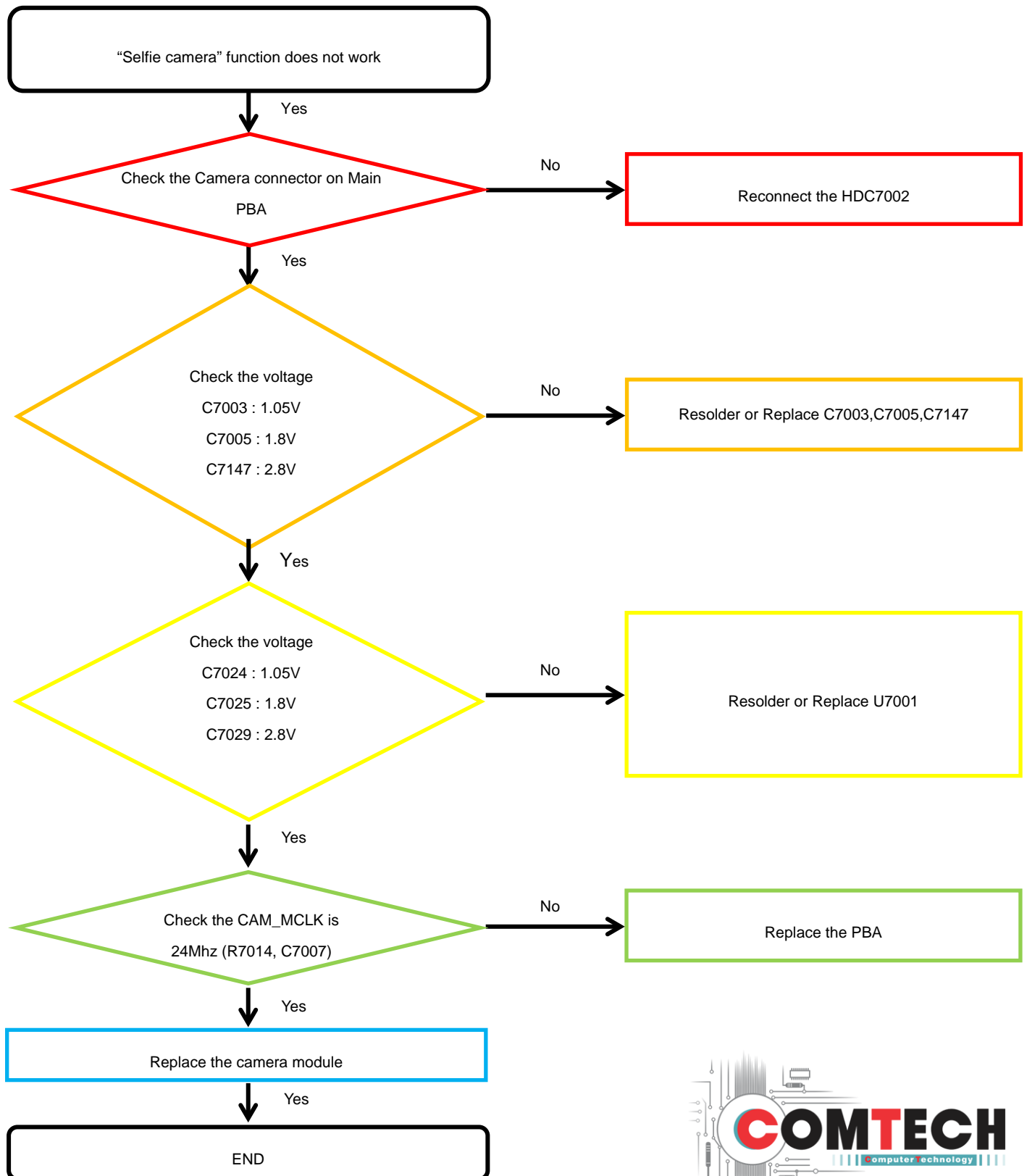
8-4-12-2. 5M FF Rear CAMERA



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8. Level 3 Repair

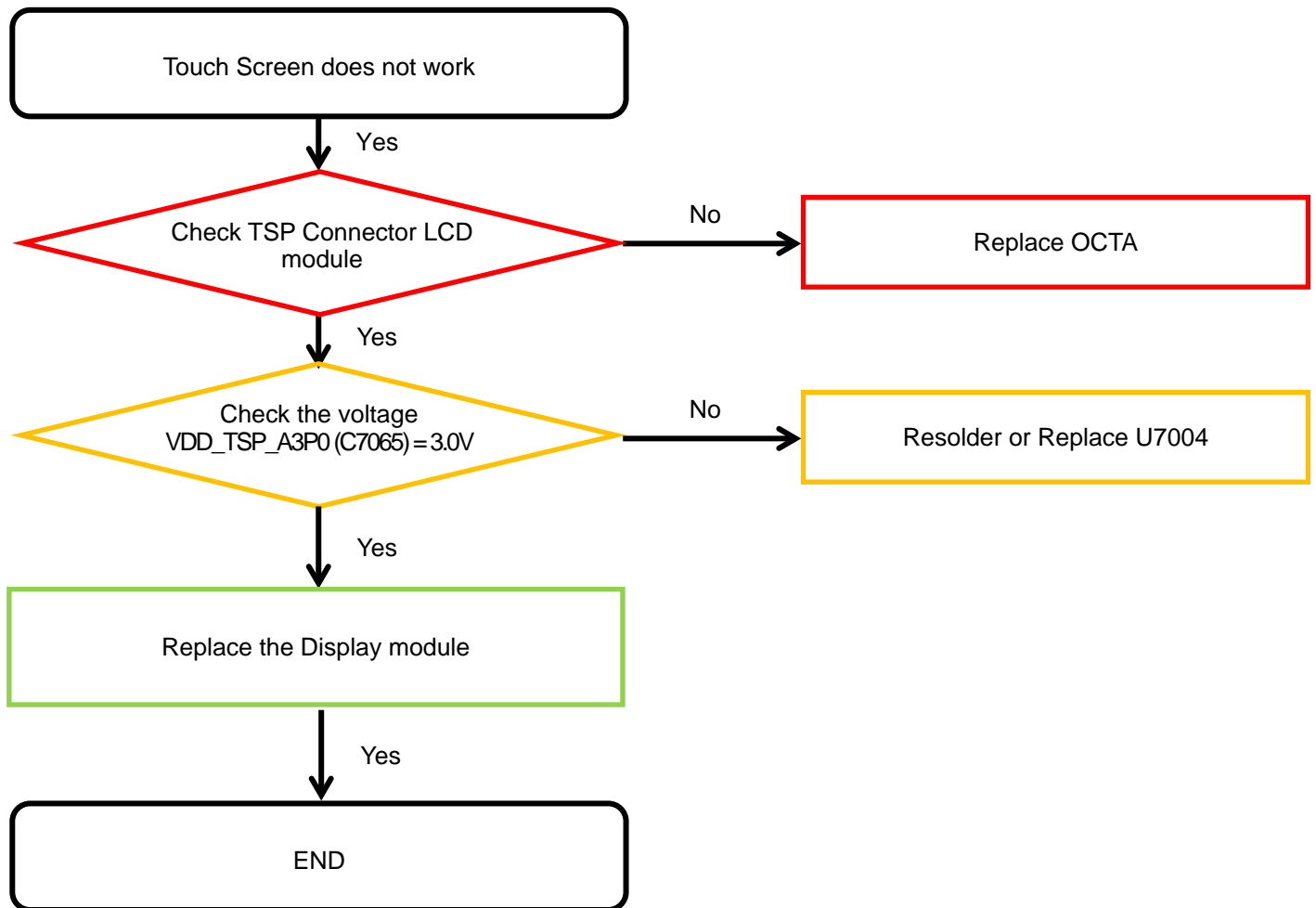
8-4-13. 8M FF Front CAMERA



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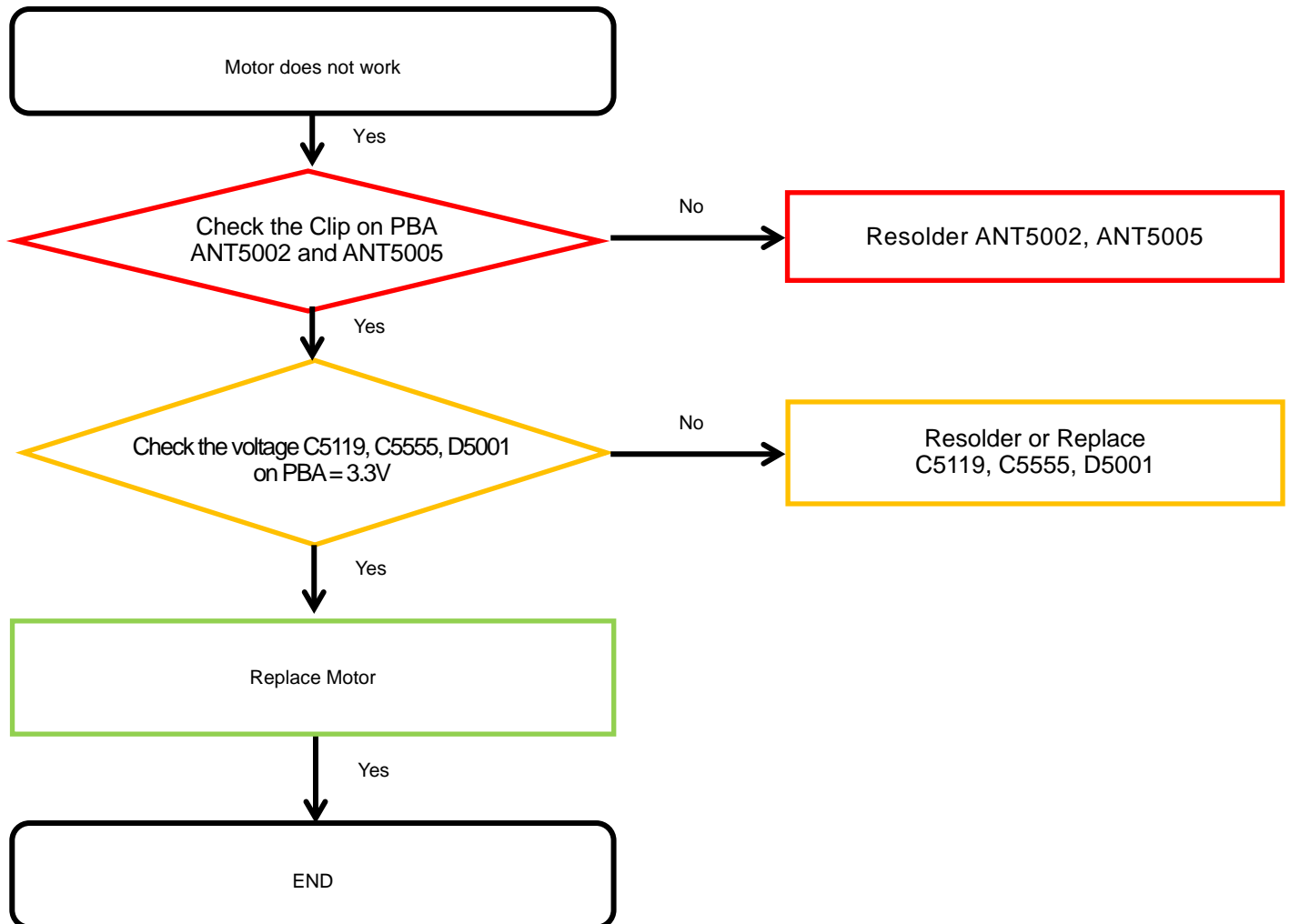
8. Level 3 Repair

8-4-14. TSP



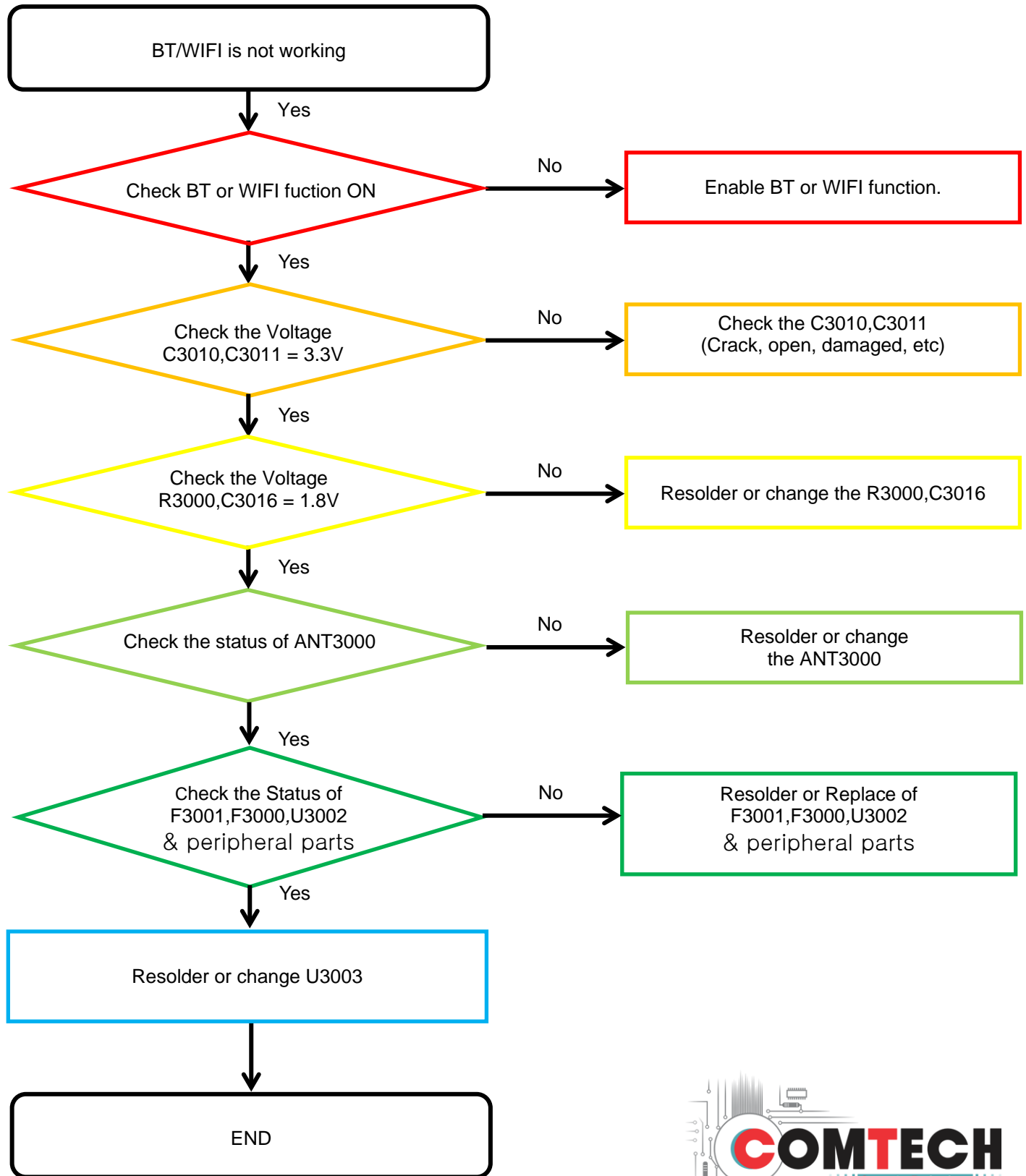
8. Level 3 Repair

8-4-15. Motor



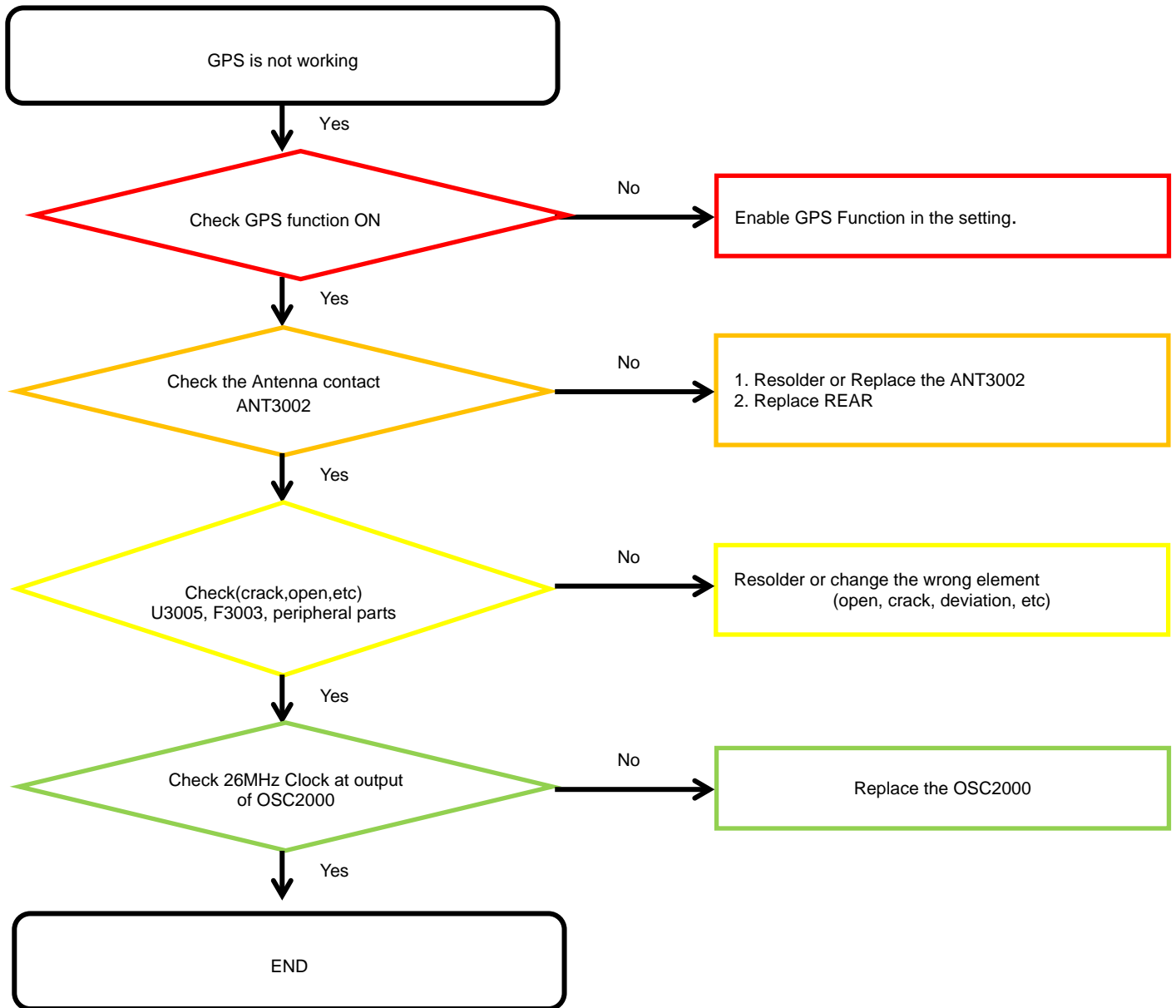
8. Level 3 Repair

8-4-16. BT/WIFI



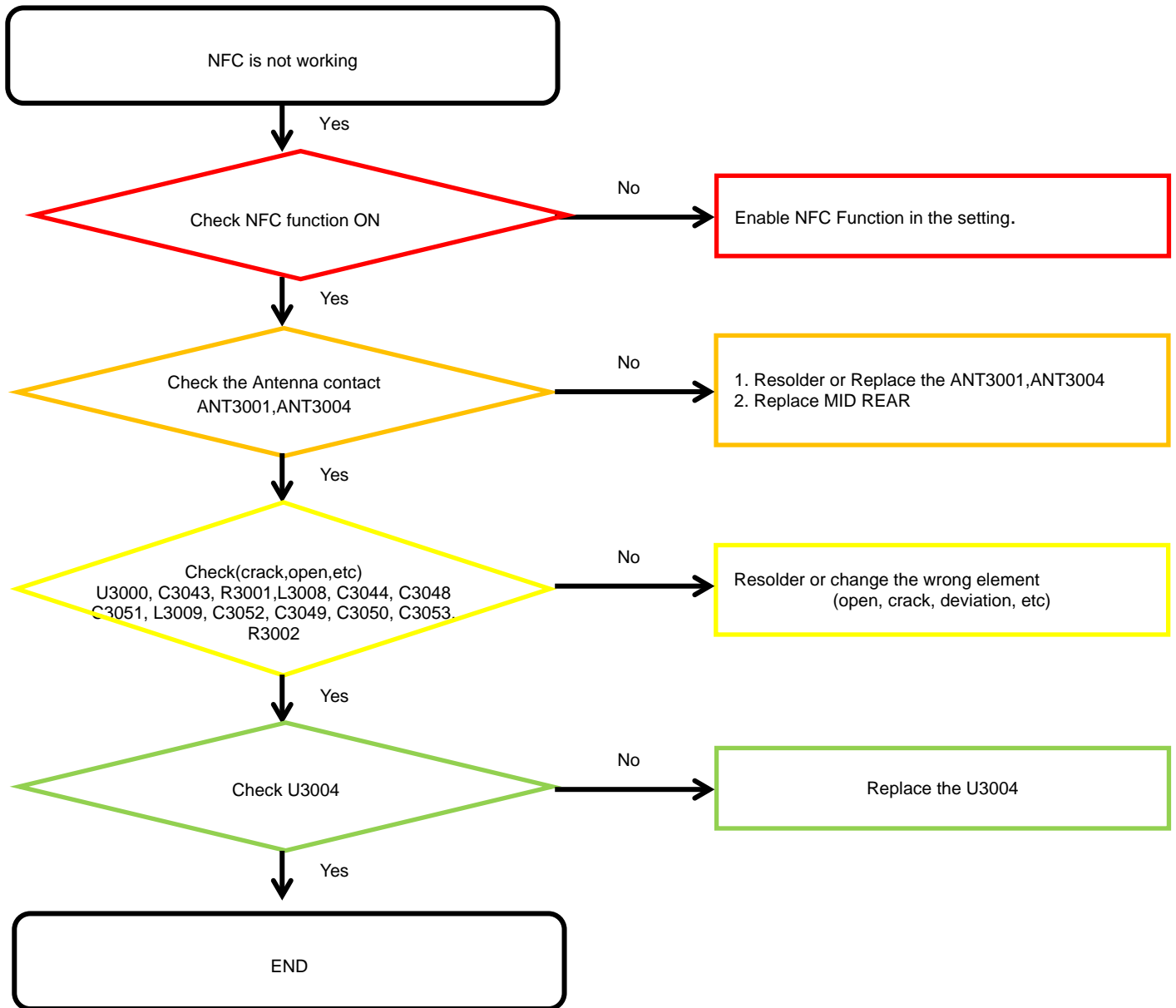
8. Level 3 Repair

8-4-17. GPS



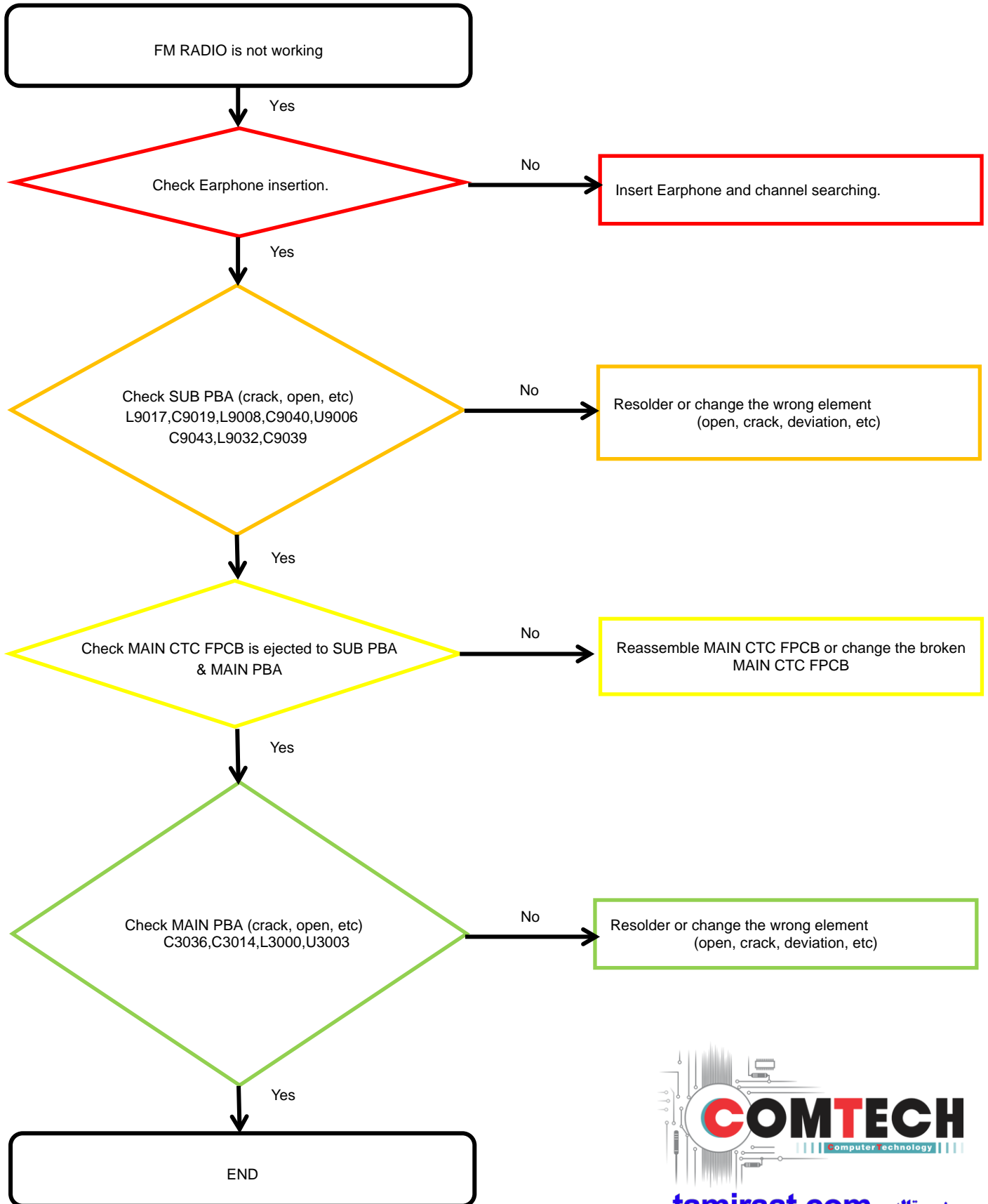
8. Level 3 Repair

8-4-18. NFC [SM-A205FN/GN]



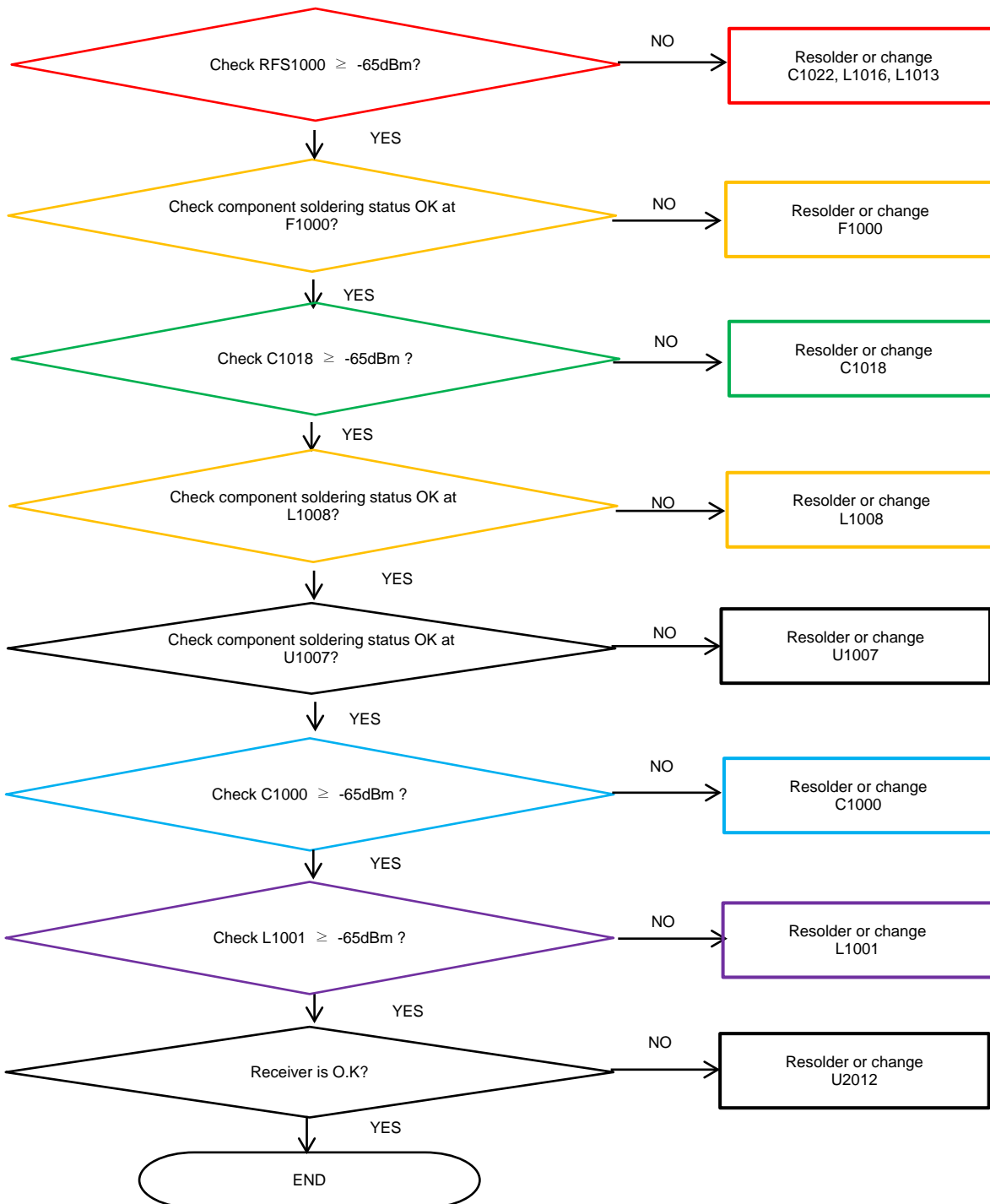
8. Level 3 Repair

8-4-19. FM RADIO



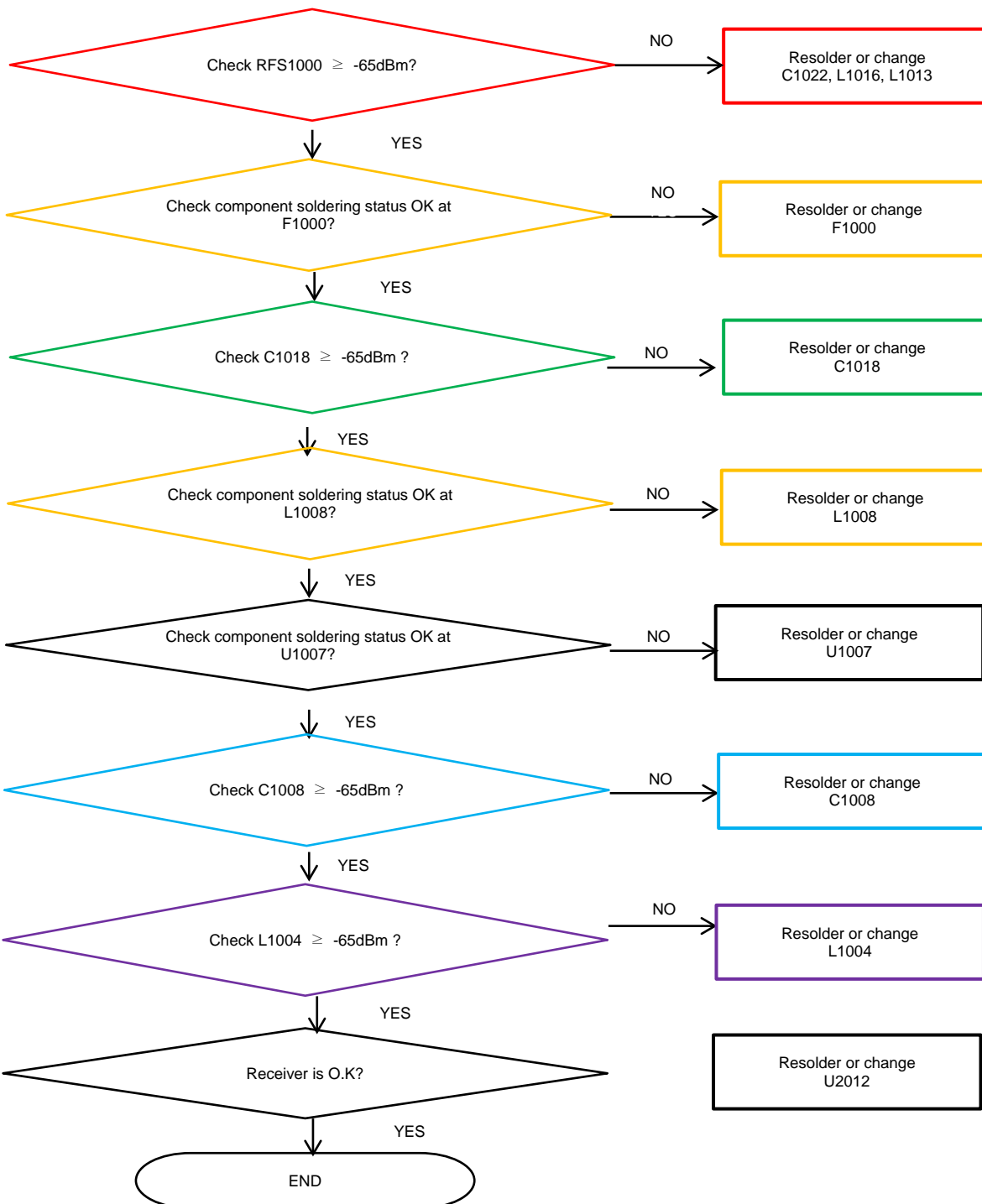
8. Level 3 Repair

8-4-20. LTE B1, WCDMA B1 Rx



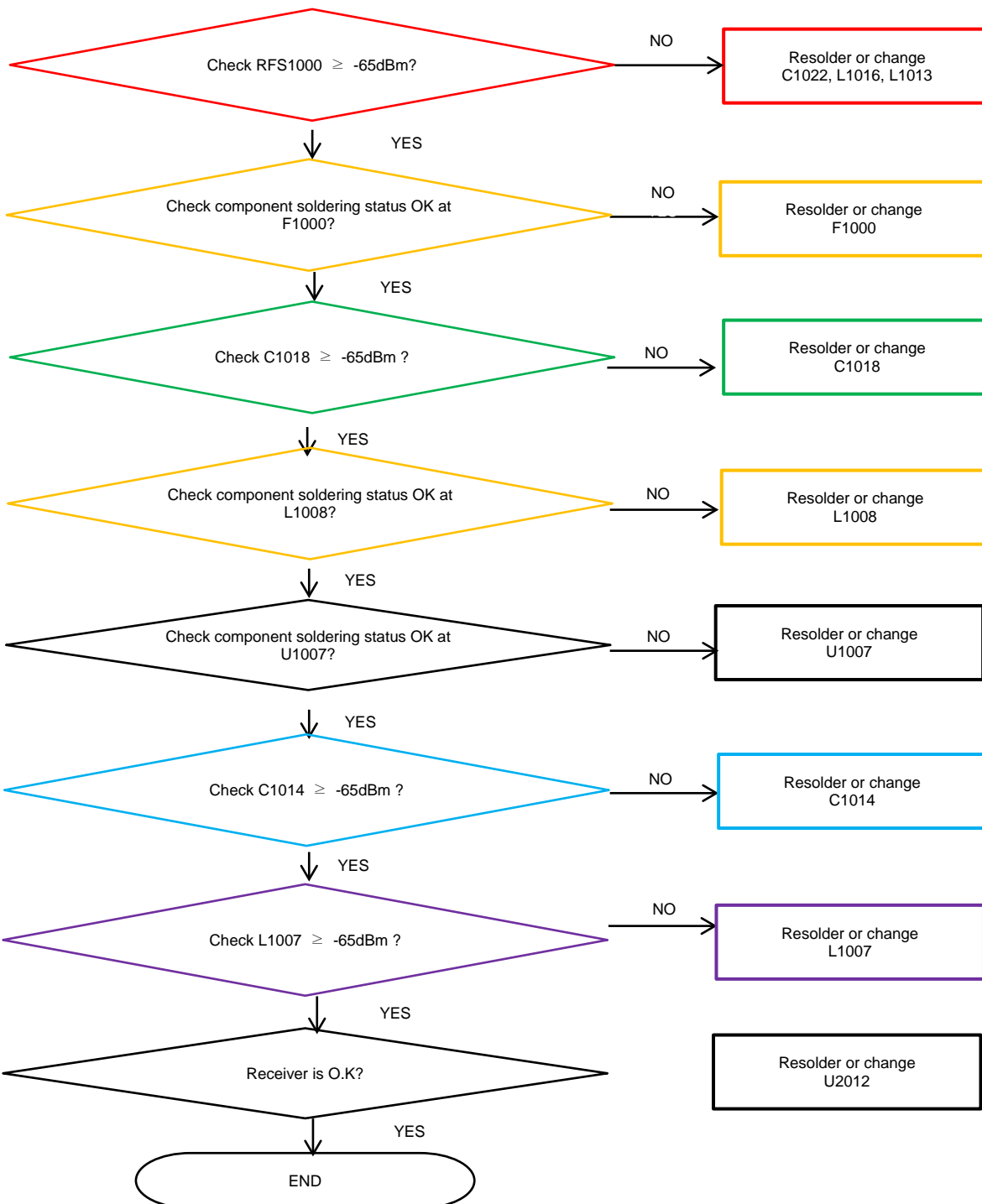
8. Level 3 Repair

8-4-21. WCDMA B2 / PCS RX, LTEB2 [SM-A205G/GN]



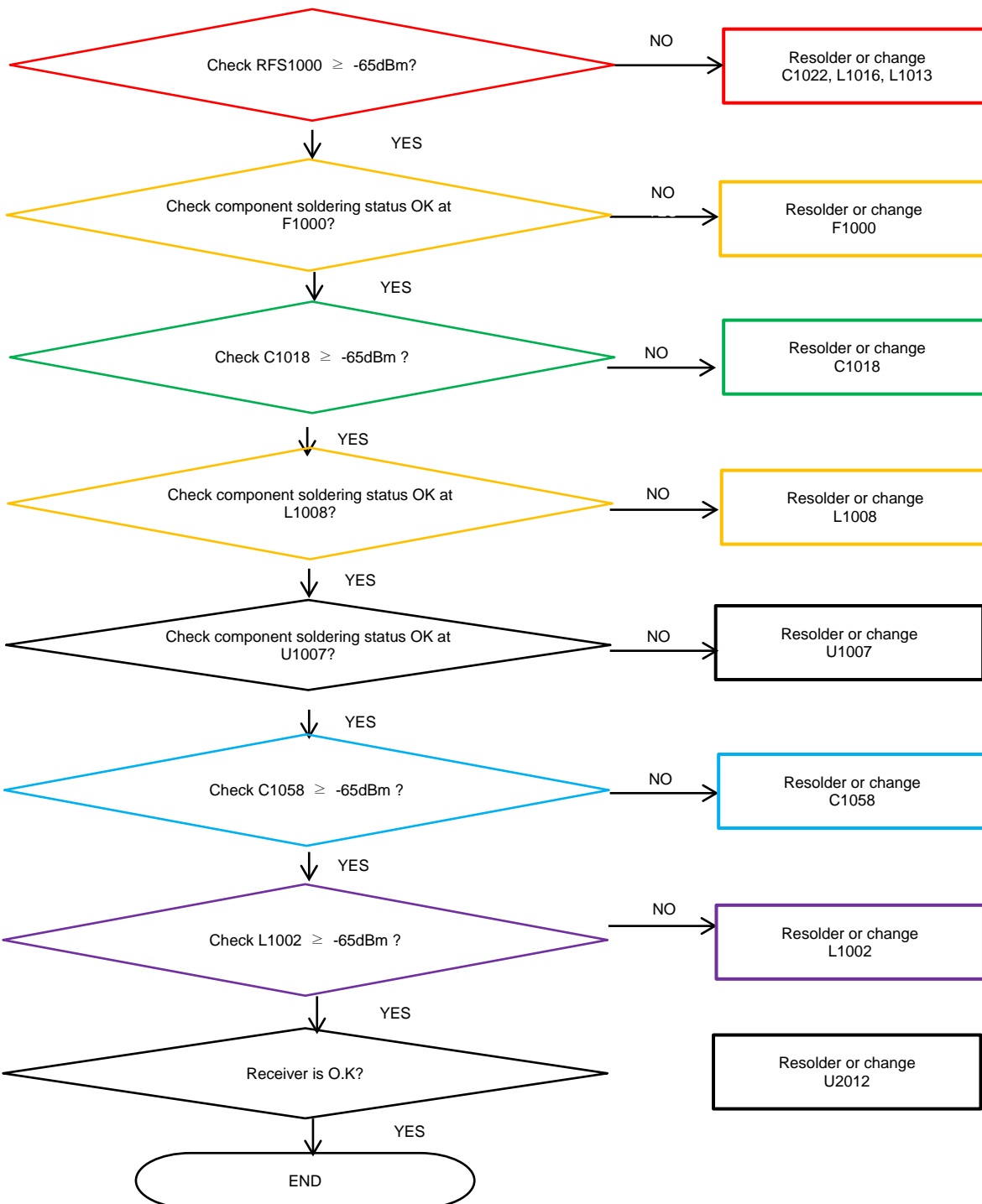
8. Level 3 Repair

8-4-22. LTE B3 / DCS RX



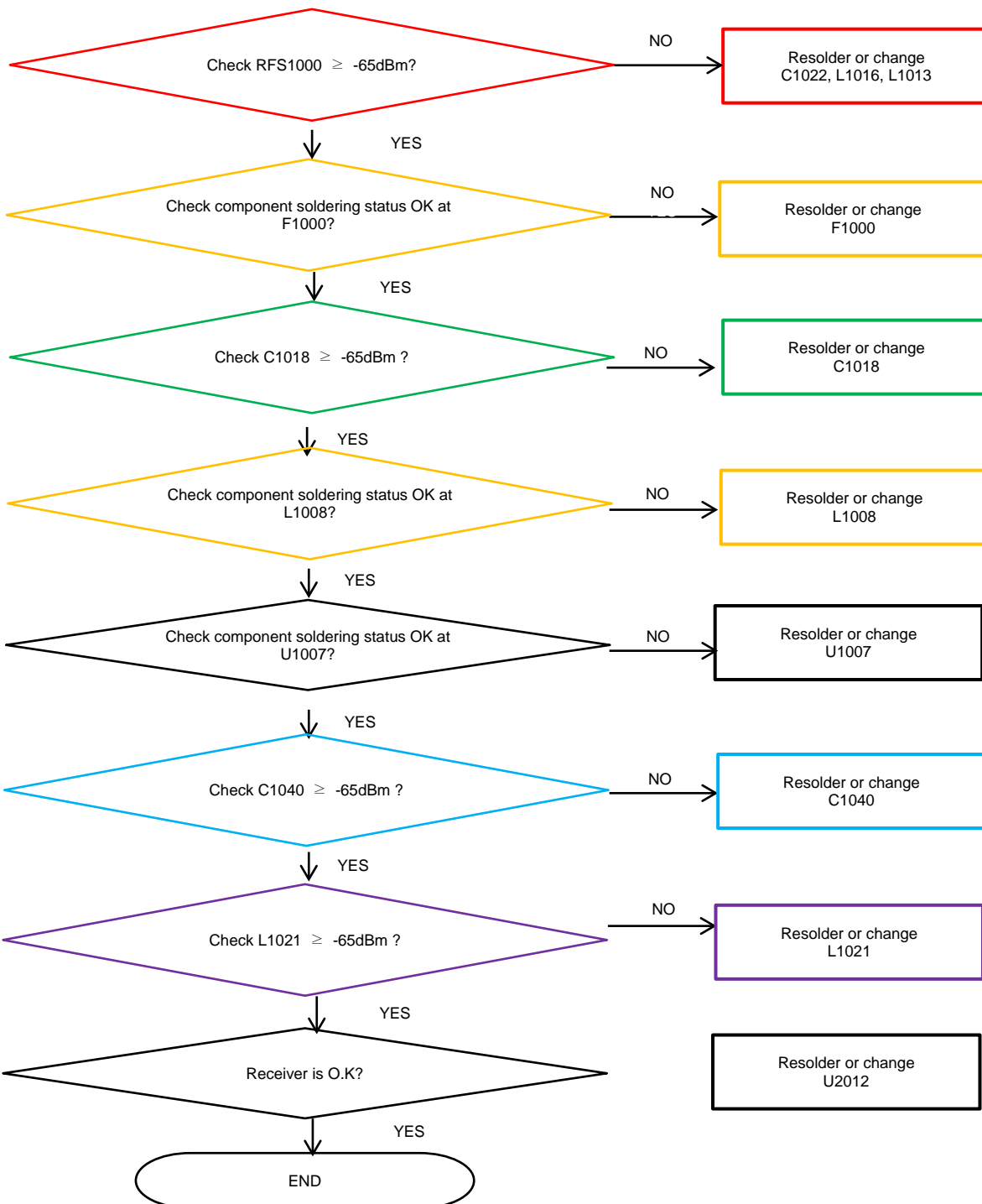
8. Level 3 Repair

8-4-23. LTE B4(B66) / WCDMA B4 RX [SM-A205G/GN]



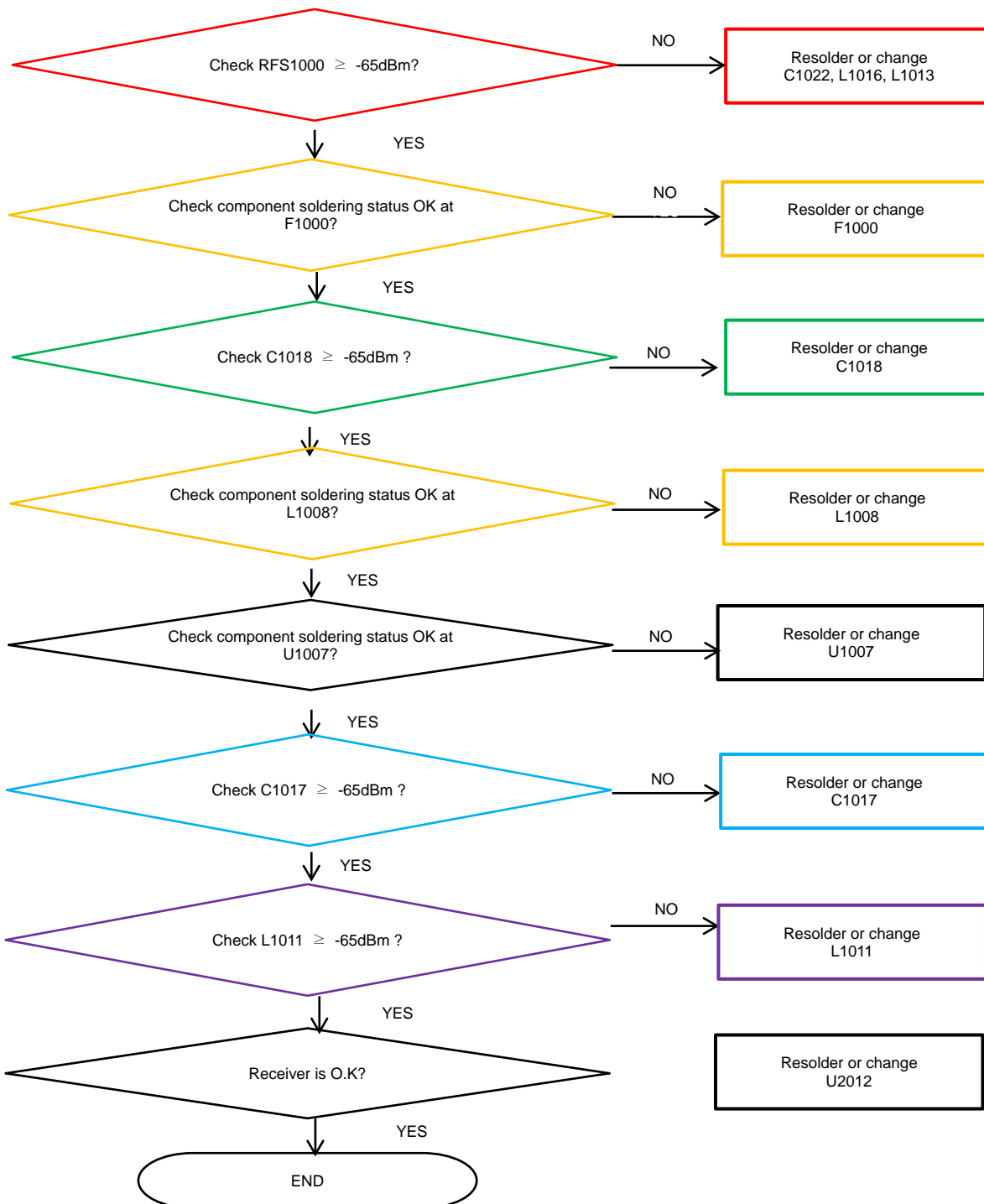
8. Level 3 Repair

8-4-24. LTE, WCDMA B5 / GSM850 RX



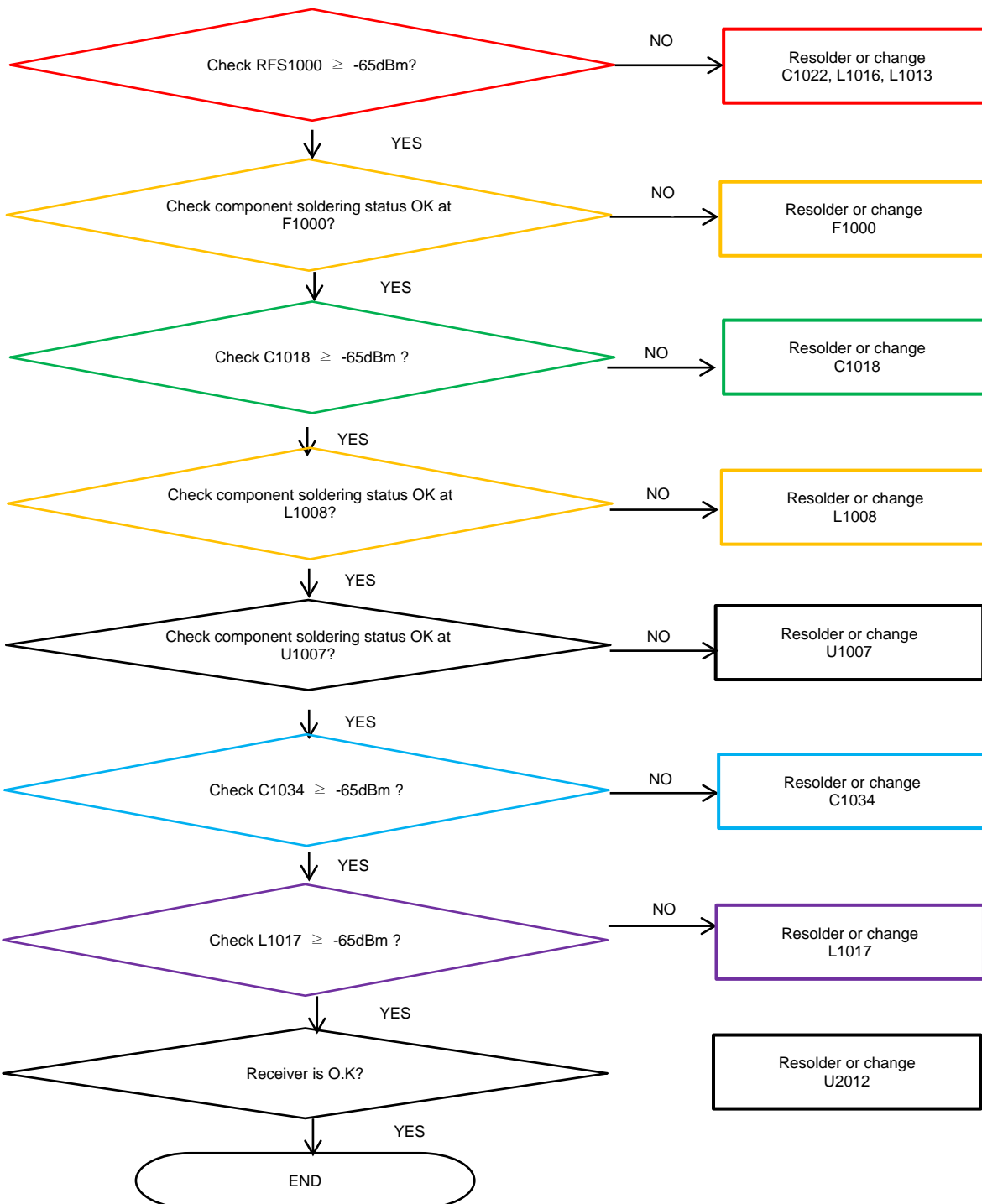
8. Level 3 Repair

8-4-25. LTE B8, WCDMA B8 / EGSM RX



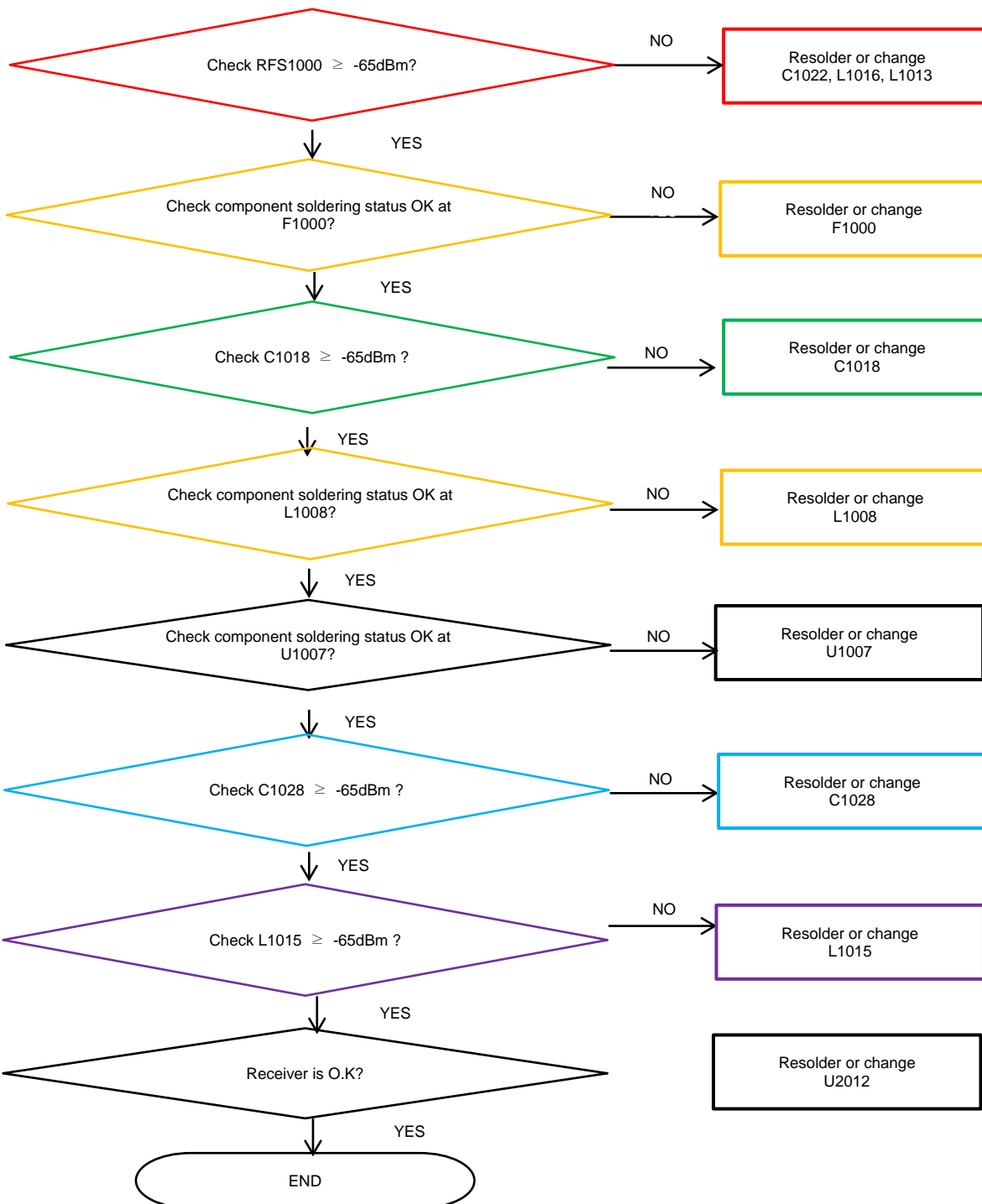
8. Level 3 Repair

8-4-26. LTE B20 RX



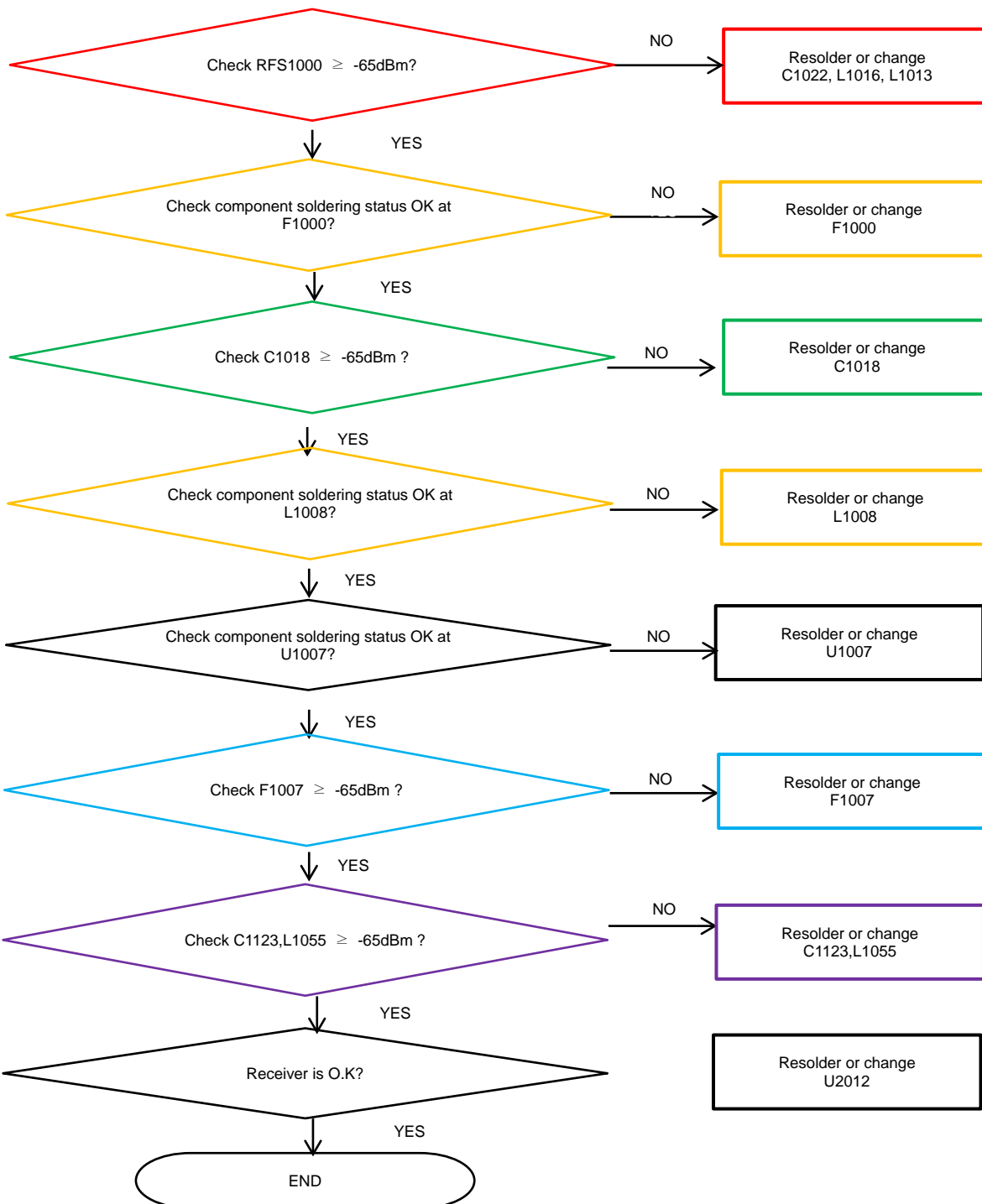
8. Level 3 Repair

8-4-27. LTE B12, 17 RX



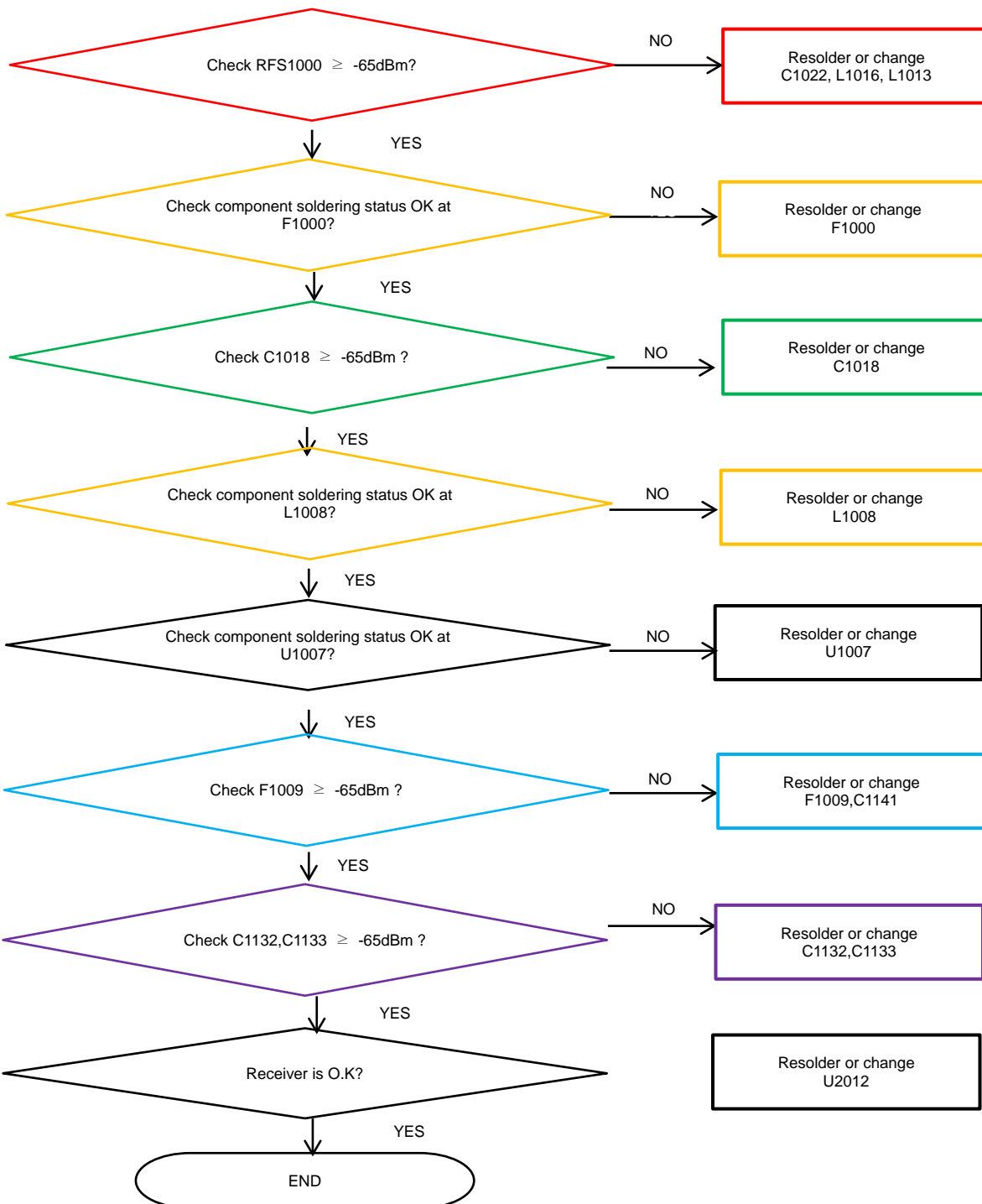
8. Level 3 Repair

8-4-28. LTE B13 RX [SM-A205G/GN]



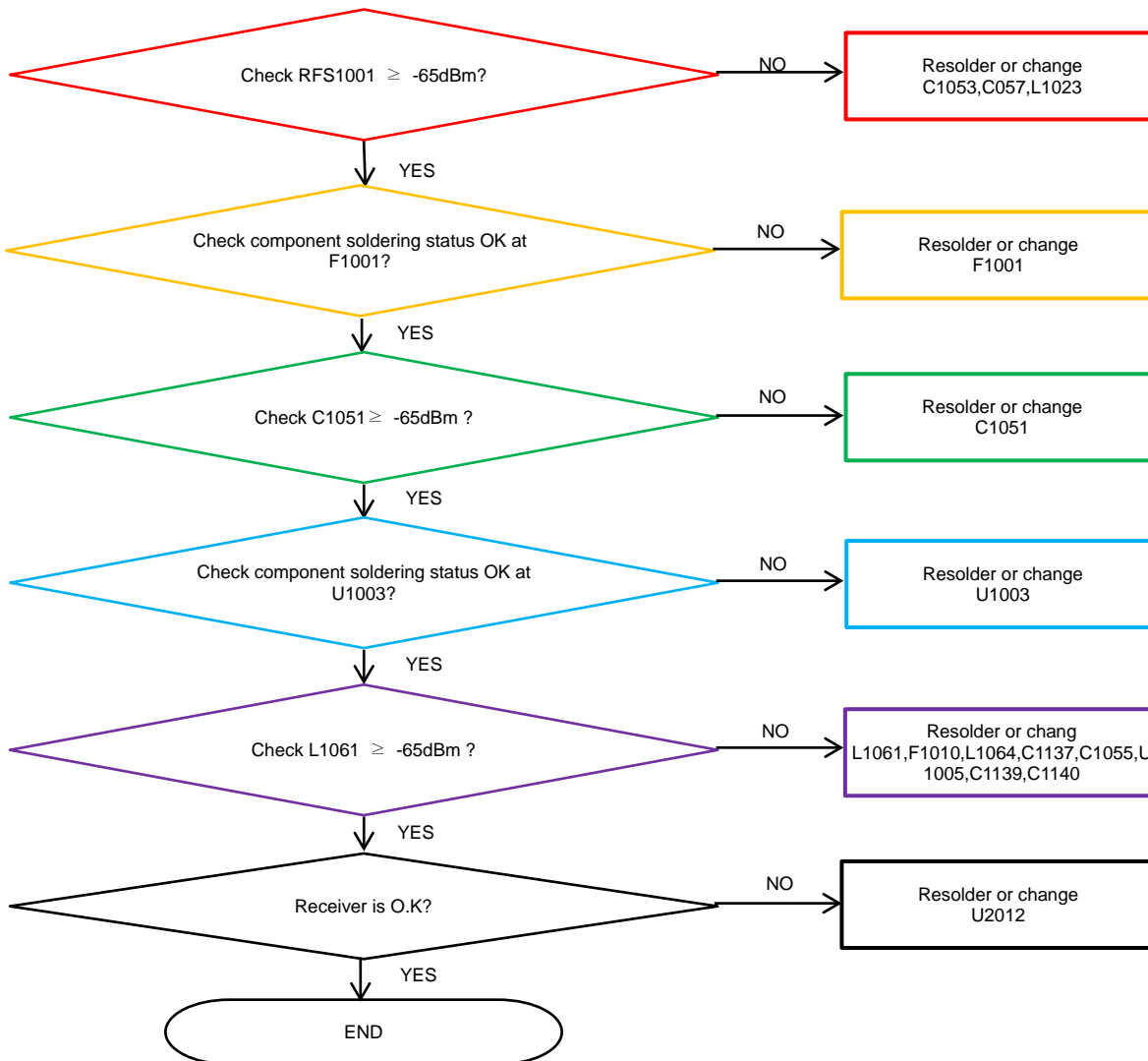
8. Level 3 Repair

8-4-29. LTE B28 RX [SM-A205G/GN]



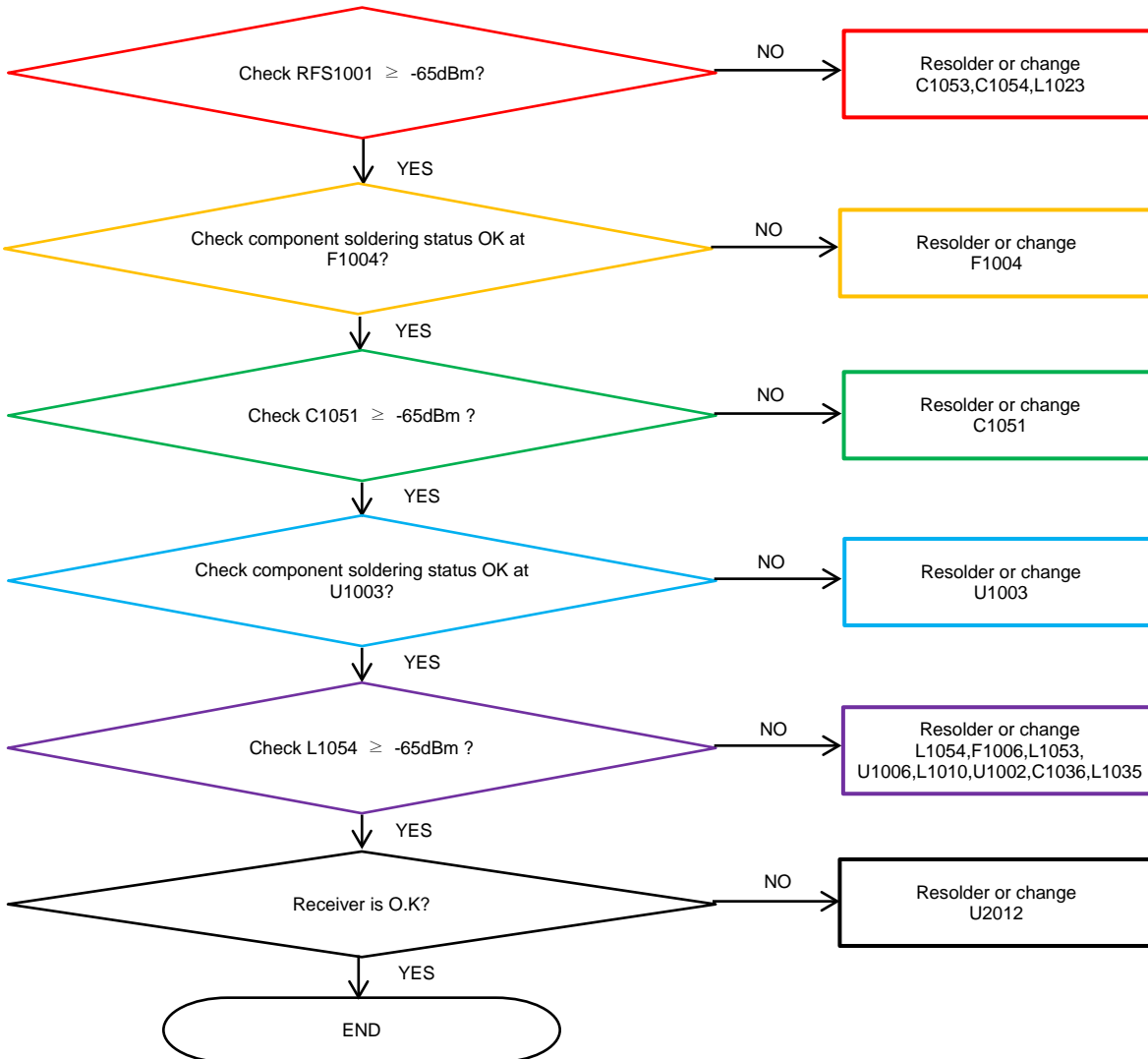
8. Level 3 Repair

8-4-30. LTE B7 RX



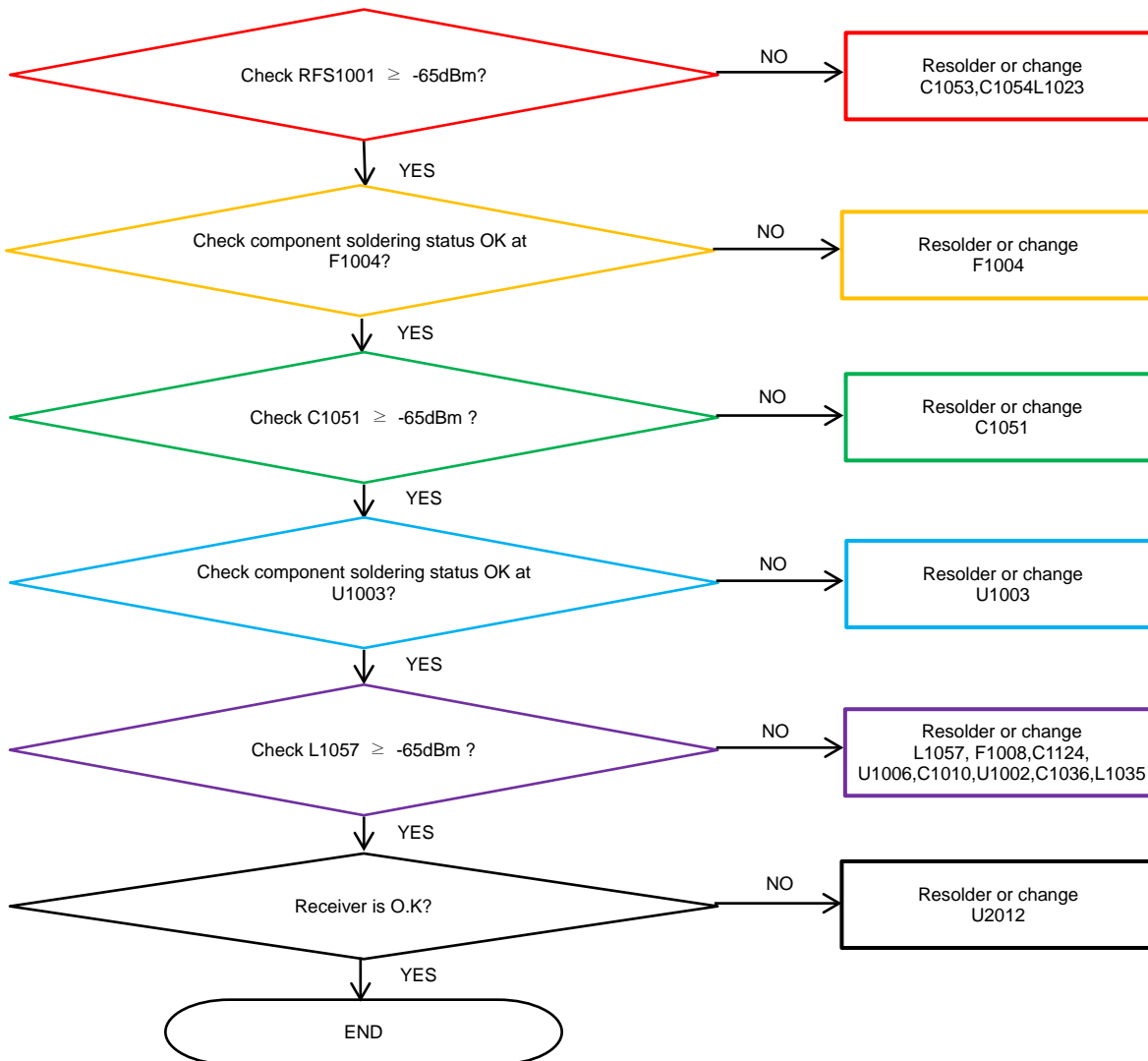
8. Level 3 Repair

8-4-31. LTE B38_41 RX



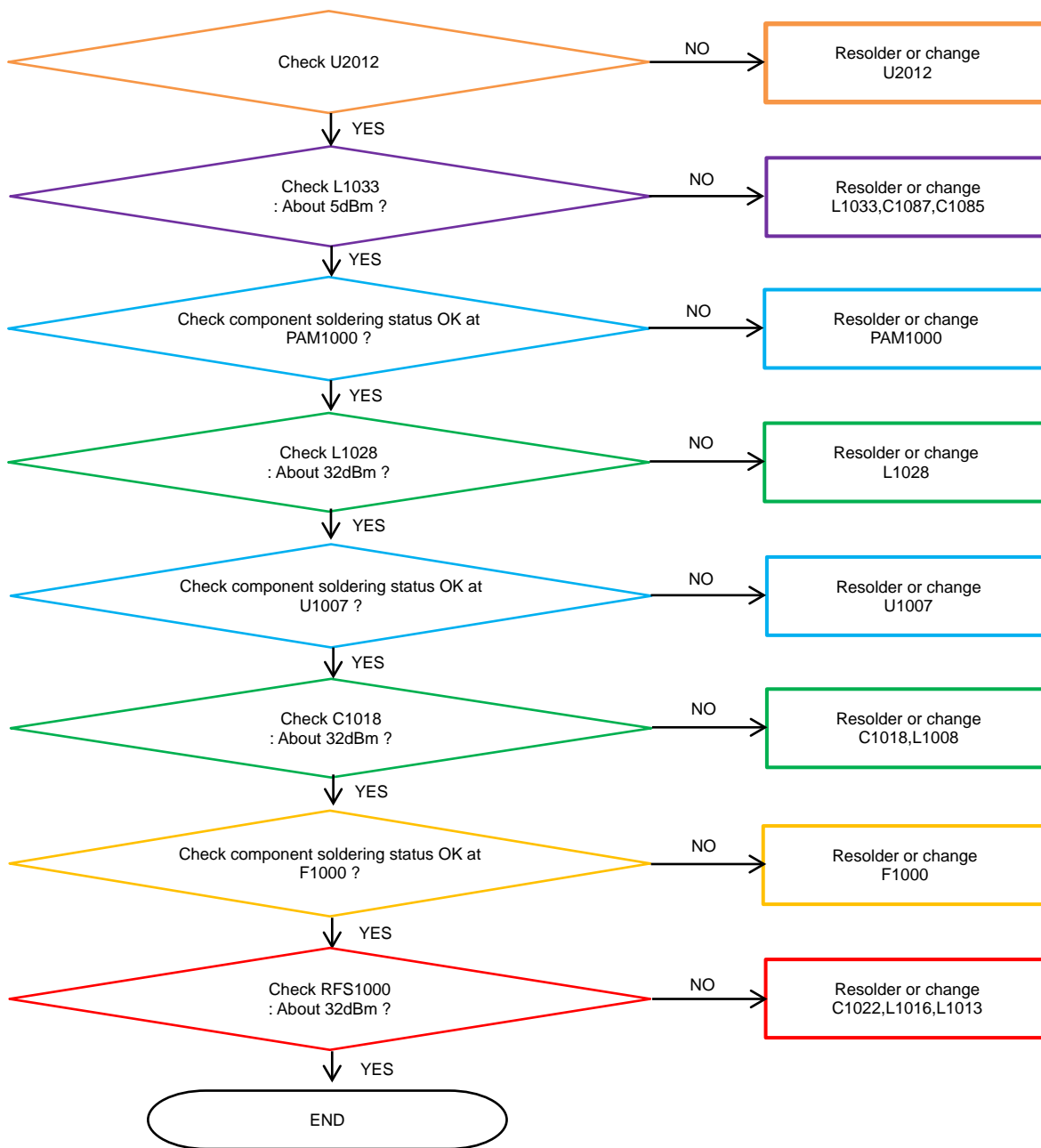
8. Level 3 Repair

8-4-32. LTE B40 RX



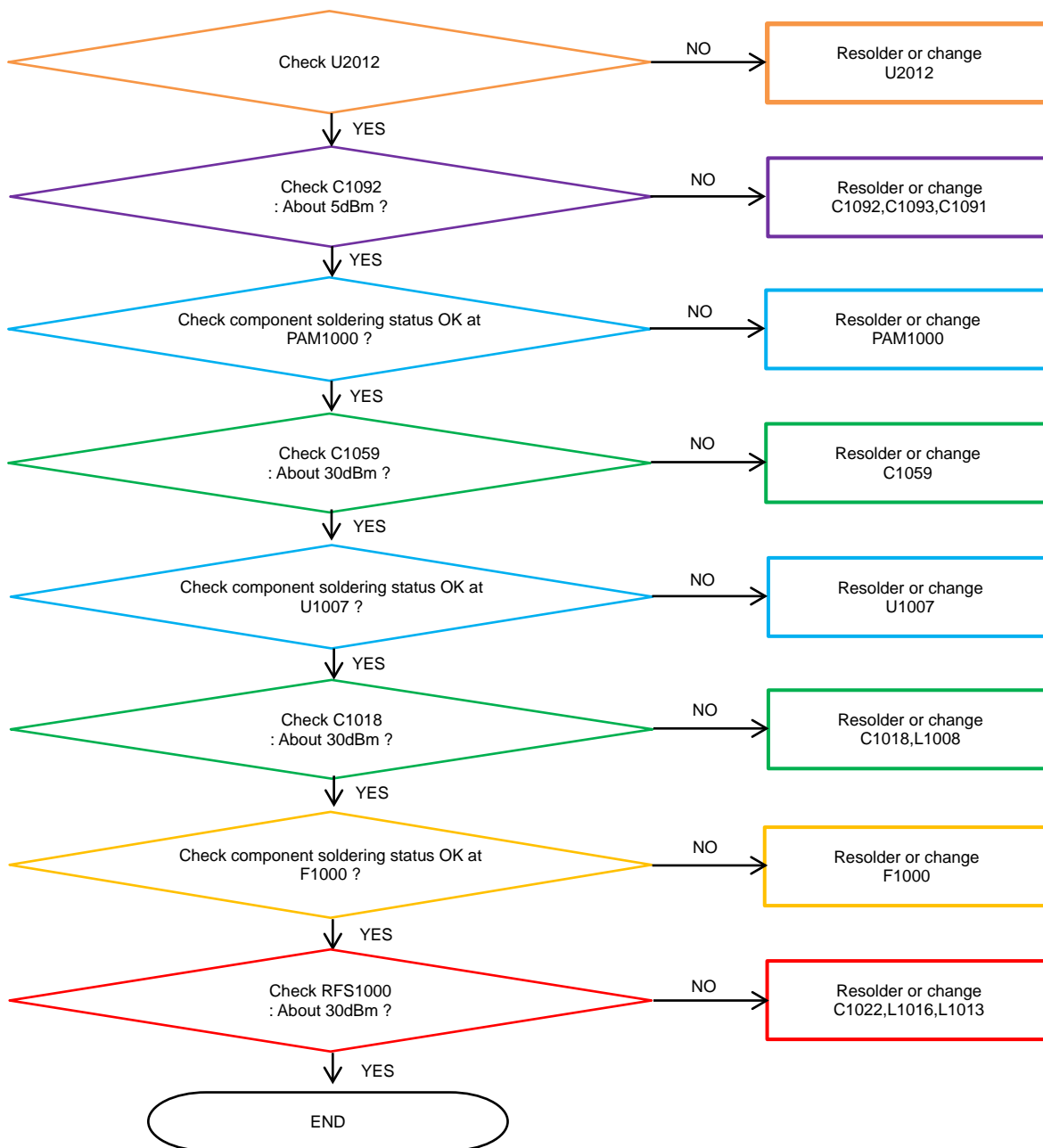
8. Level 3 Repair

8-4-33. GSM 850 / GSM900 TX



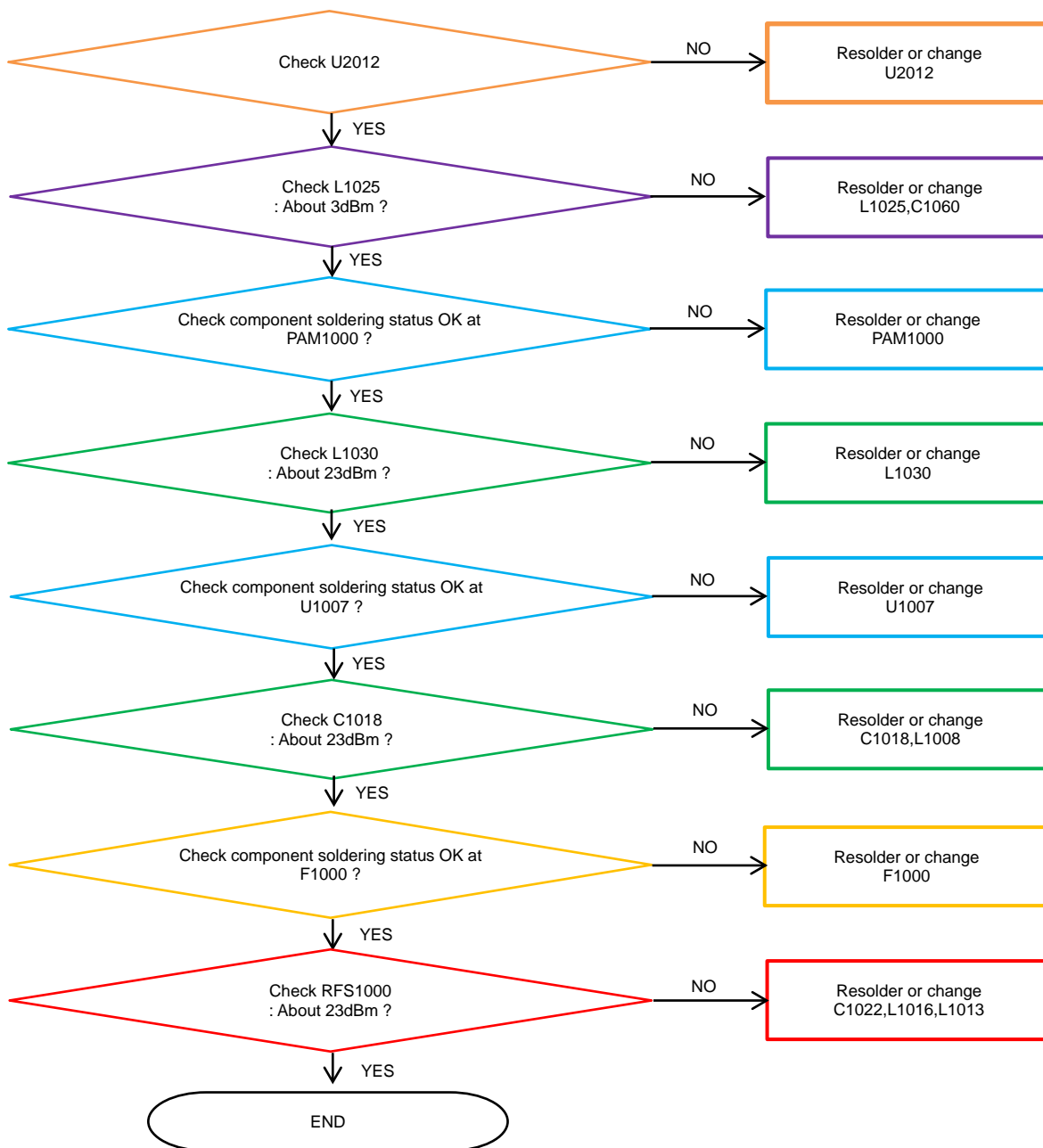
8. Level 3 Repair

8-4-34. GSM1800/ GSM1900 TX



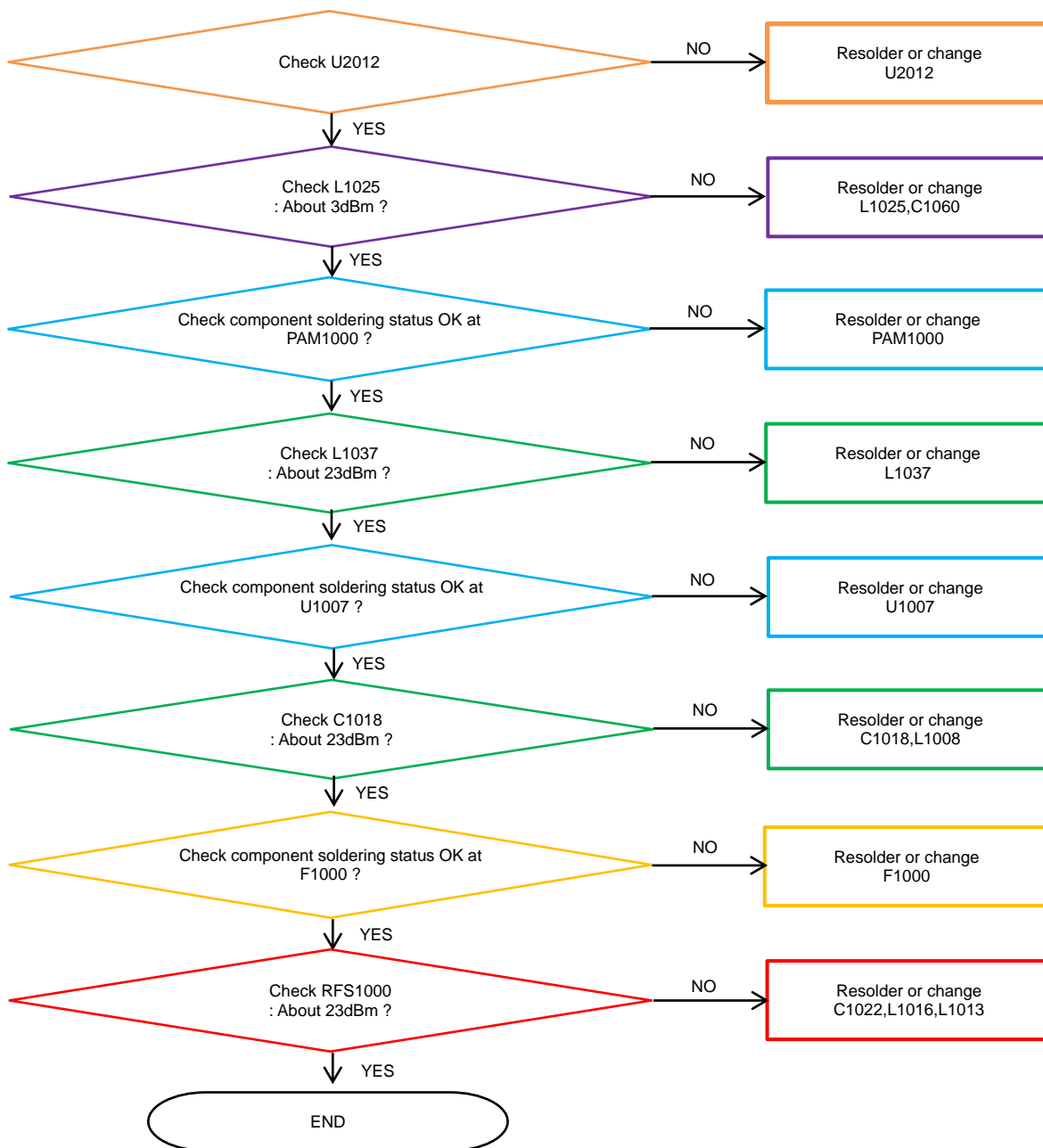
8. Level 3 Repair

8-4-35. LTE, WCDMA B1 TX



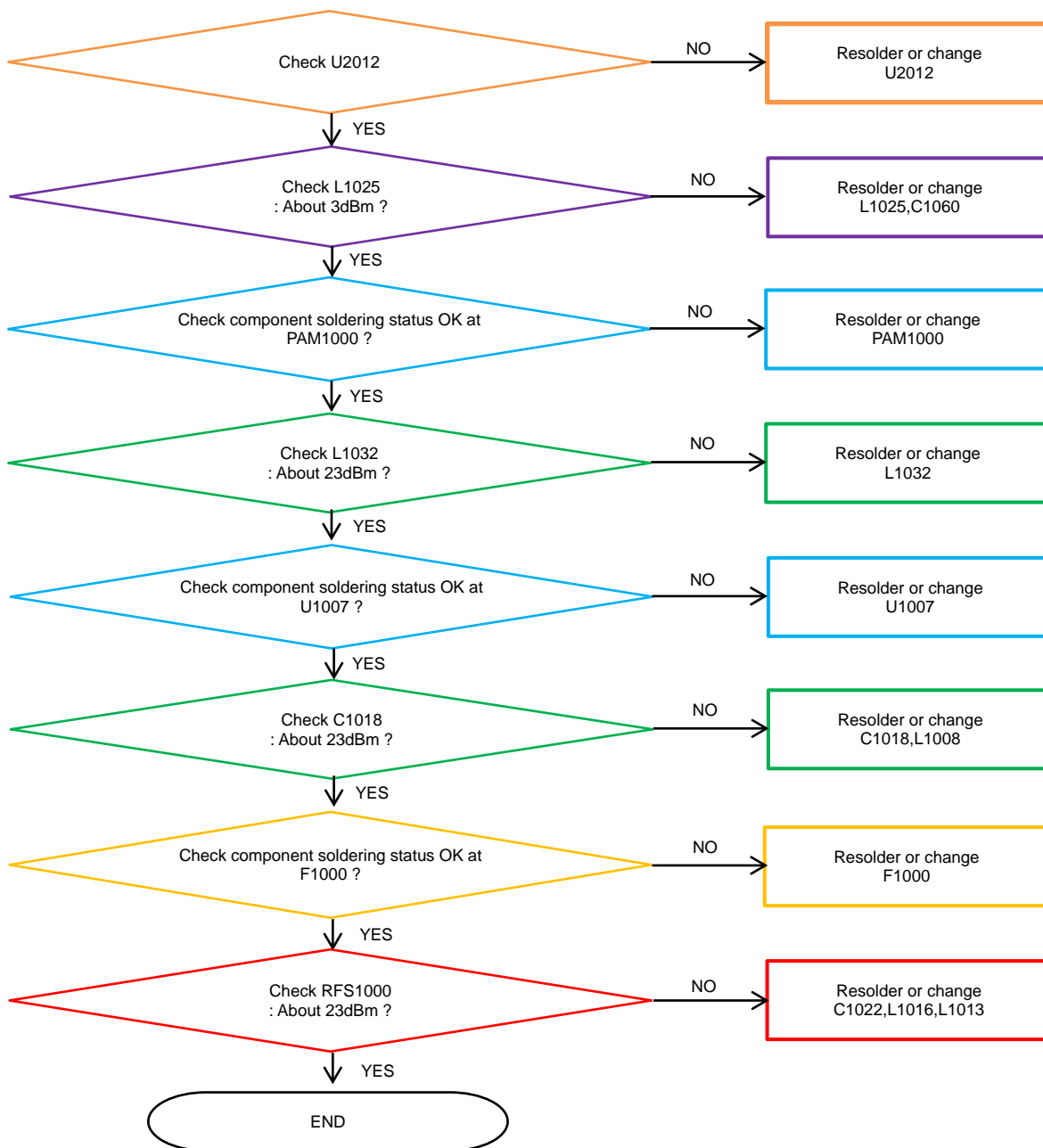
8. Level 3 Repair

8-4-36. WCDMA B2 TX, LTE B2 [SM-A205G/GN]



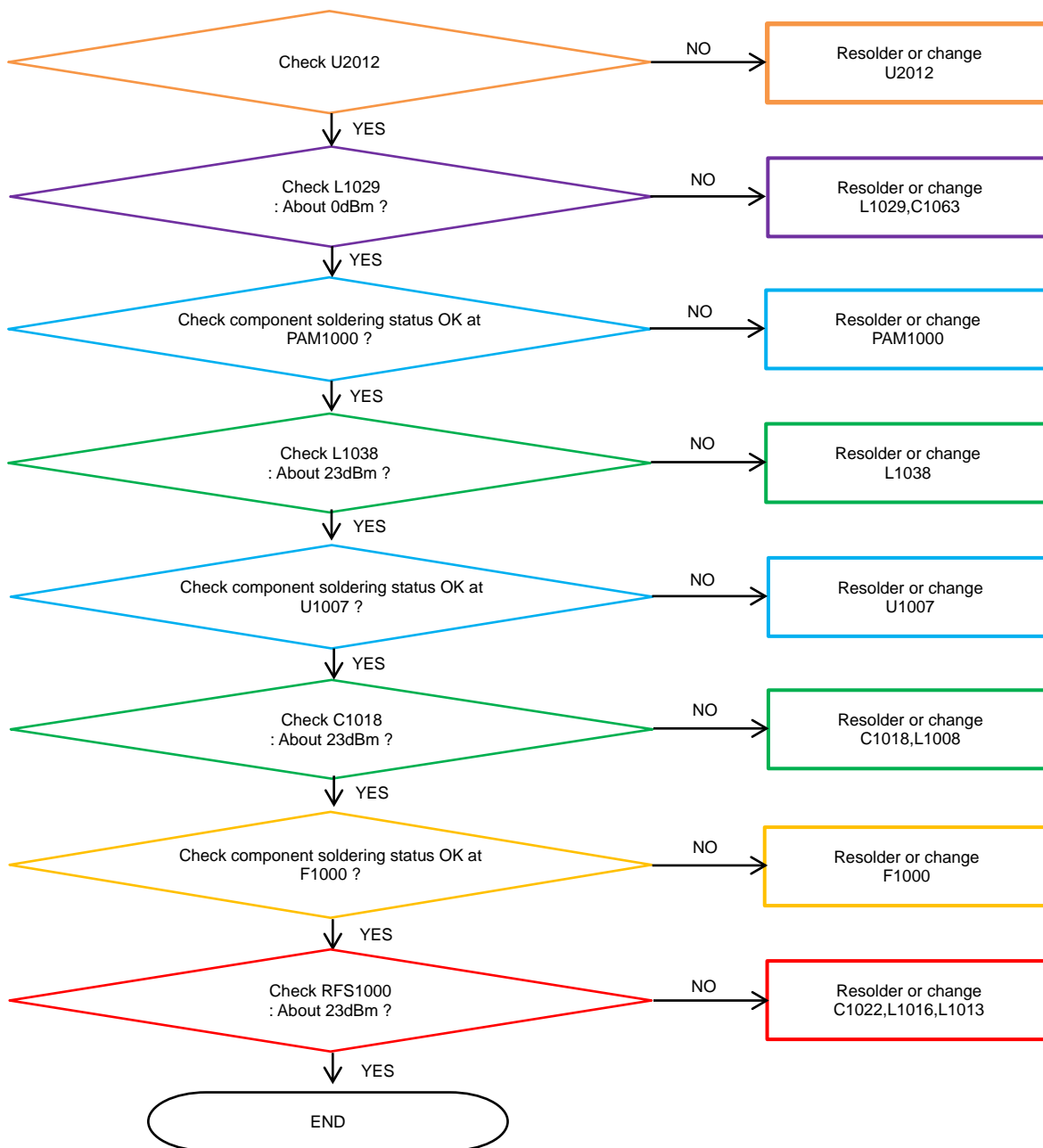
8. Level 3 Repair

8-4-37. LTE B3 TX



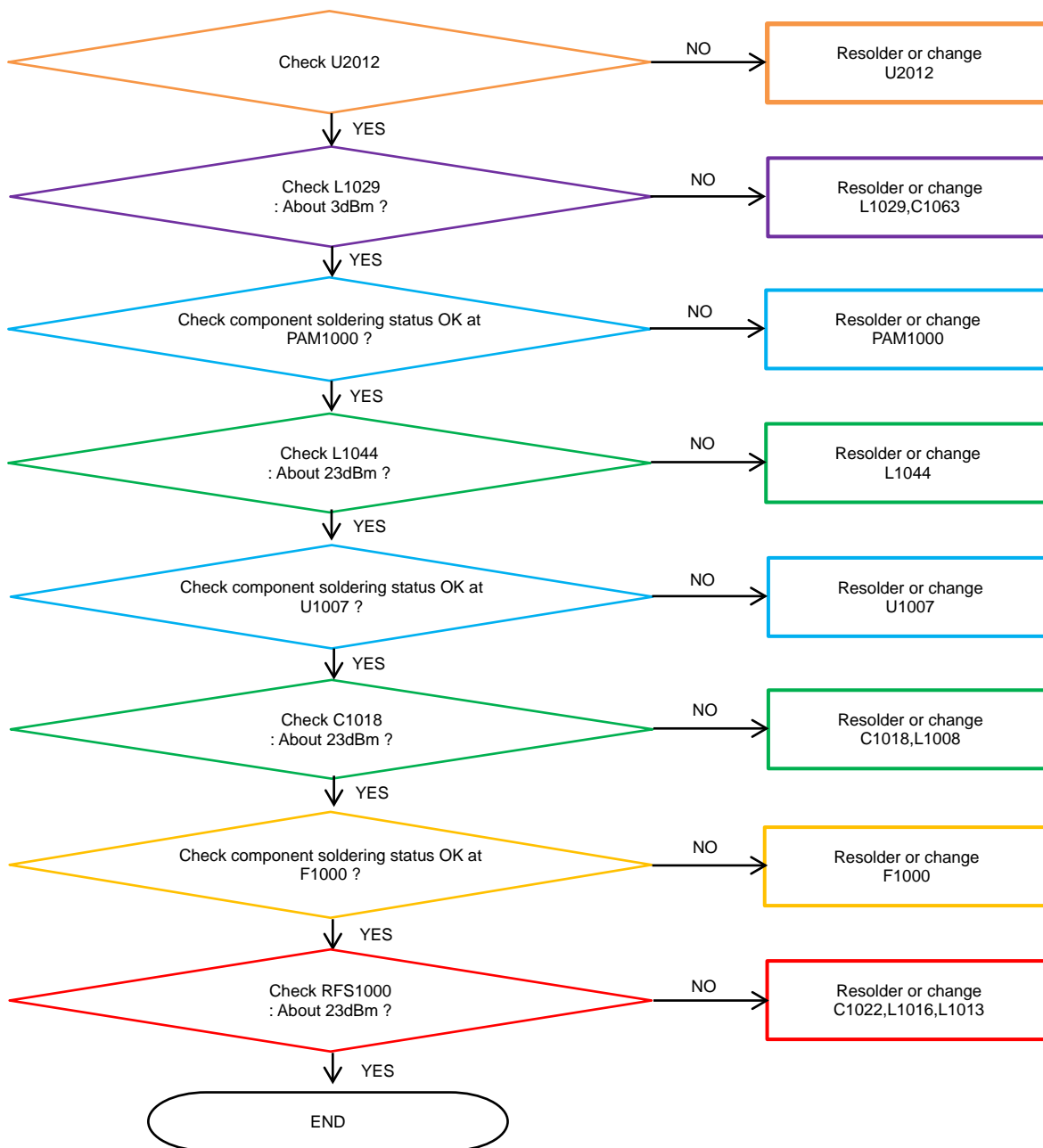
8. Level 3 Repair

8-4-38. LTE, WCDMA B5 TX



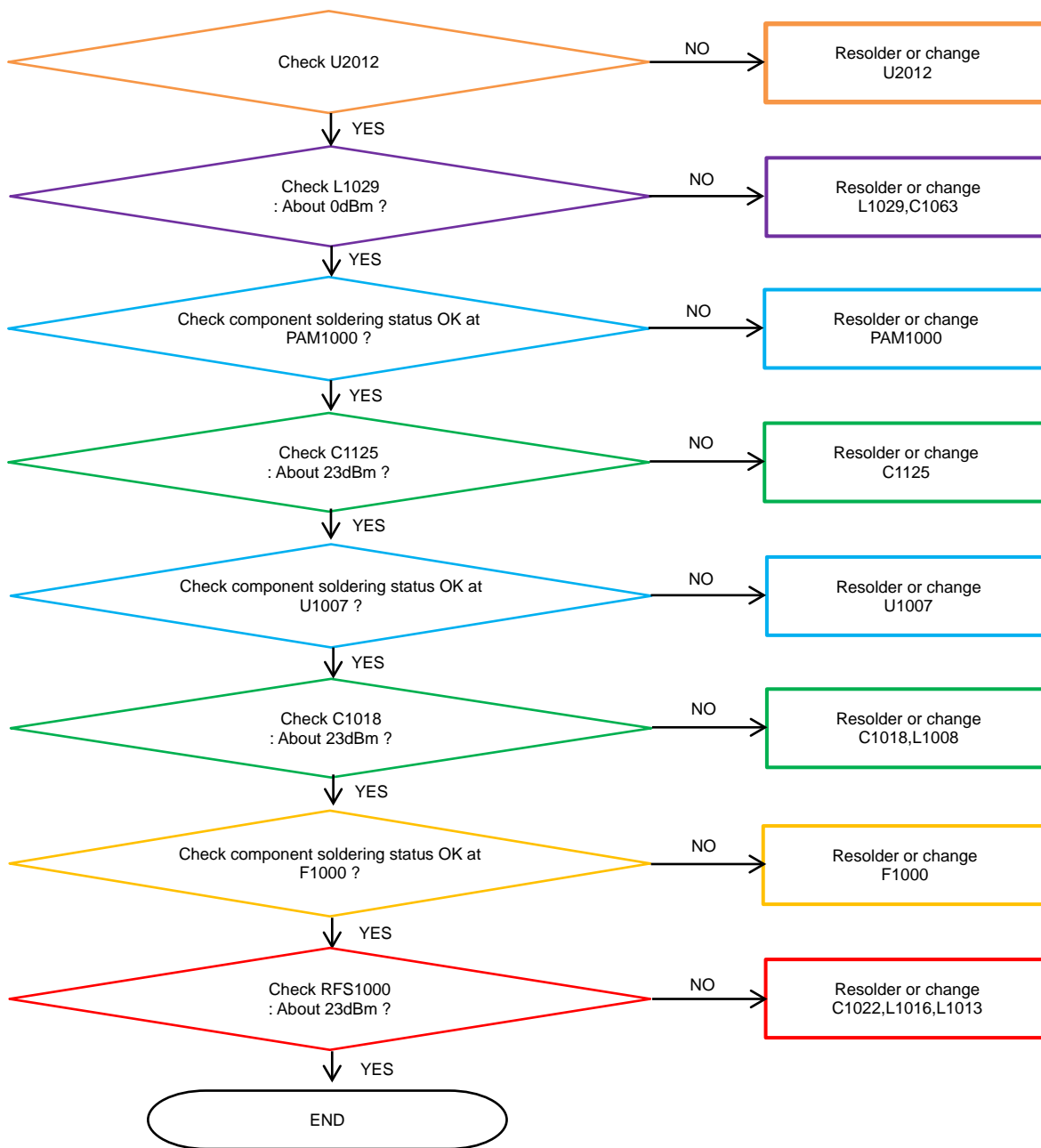
8. Level 3 Repair

8-4-39. LTE, WCDMA B8 TX



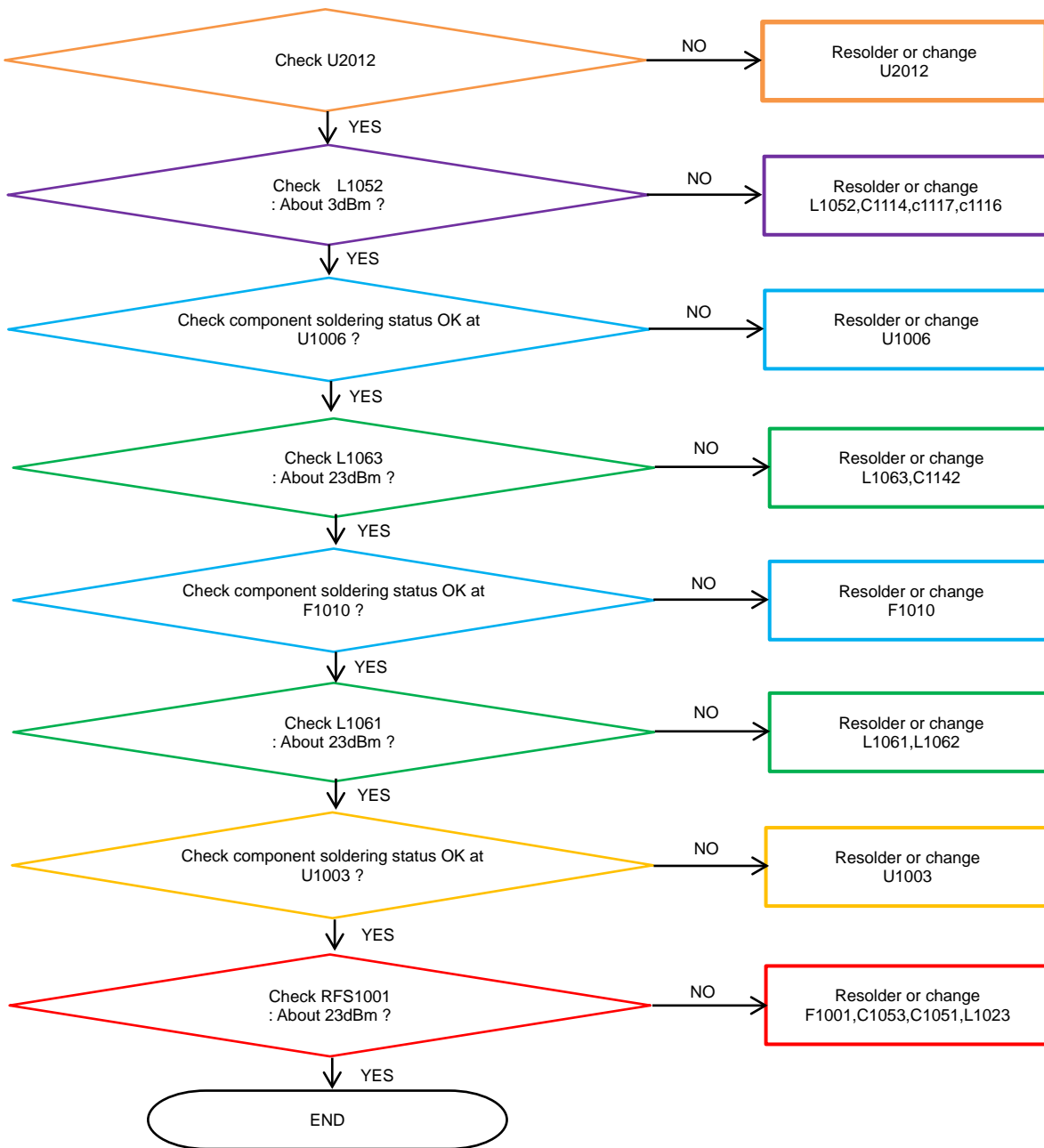
8. Level 3 Repair

8-4-40. LTE B20 TX



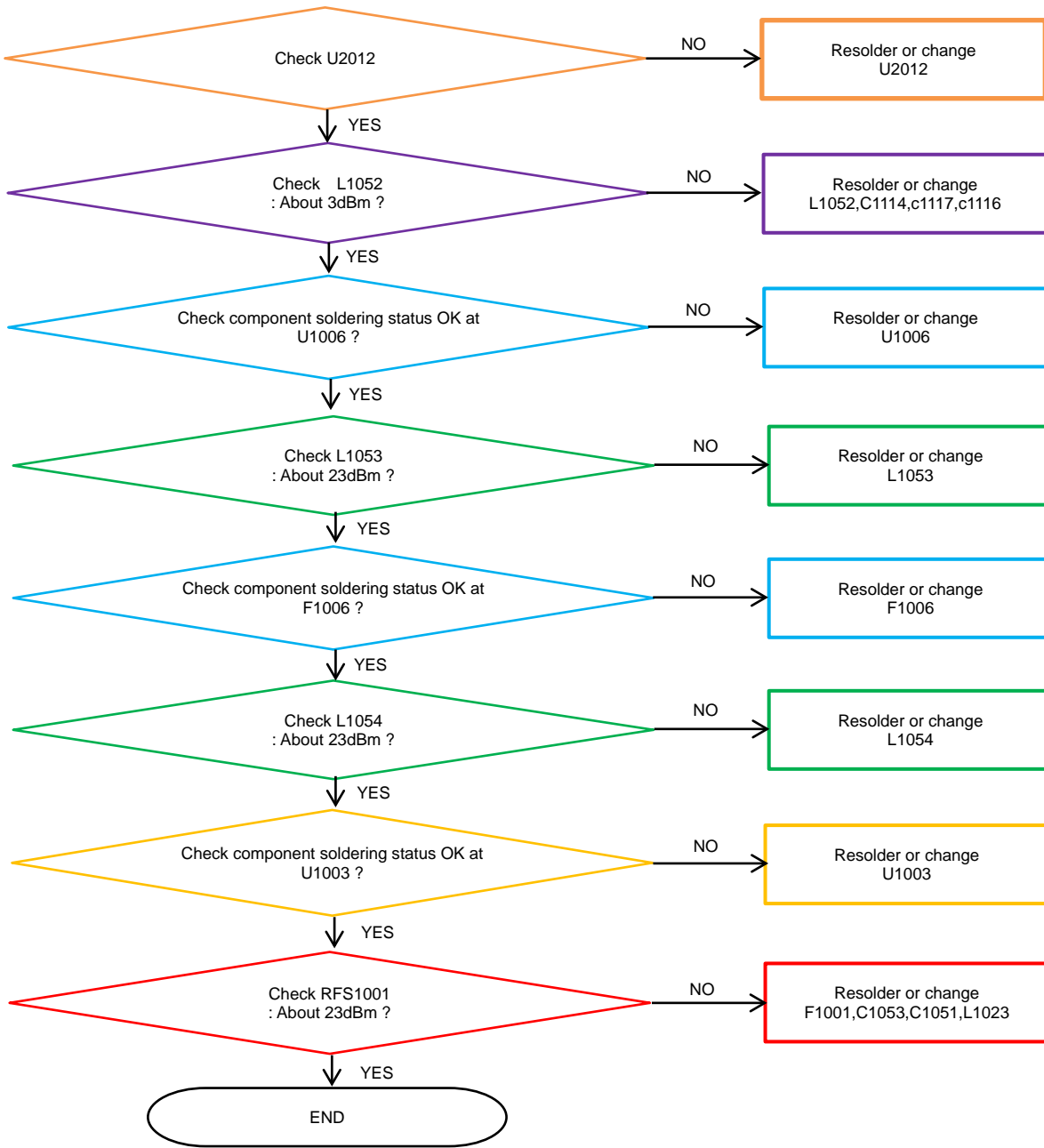
8. Level 3 Repair

8-4-41. LTE B7 TX



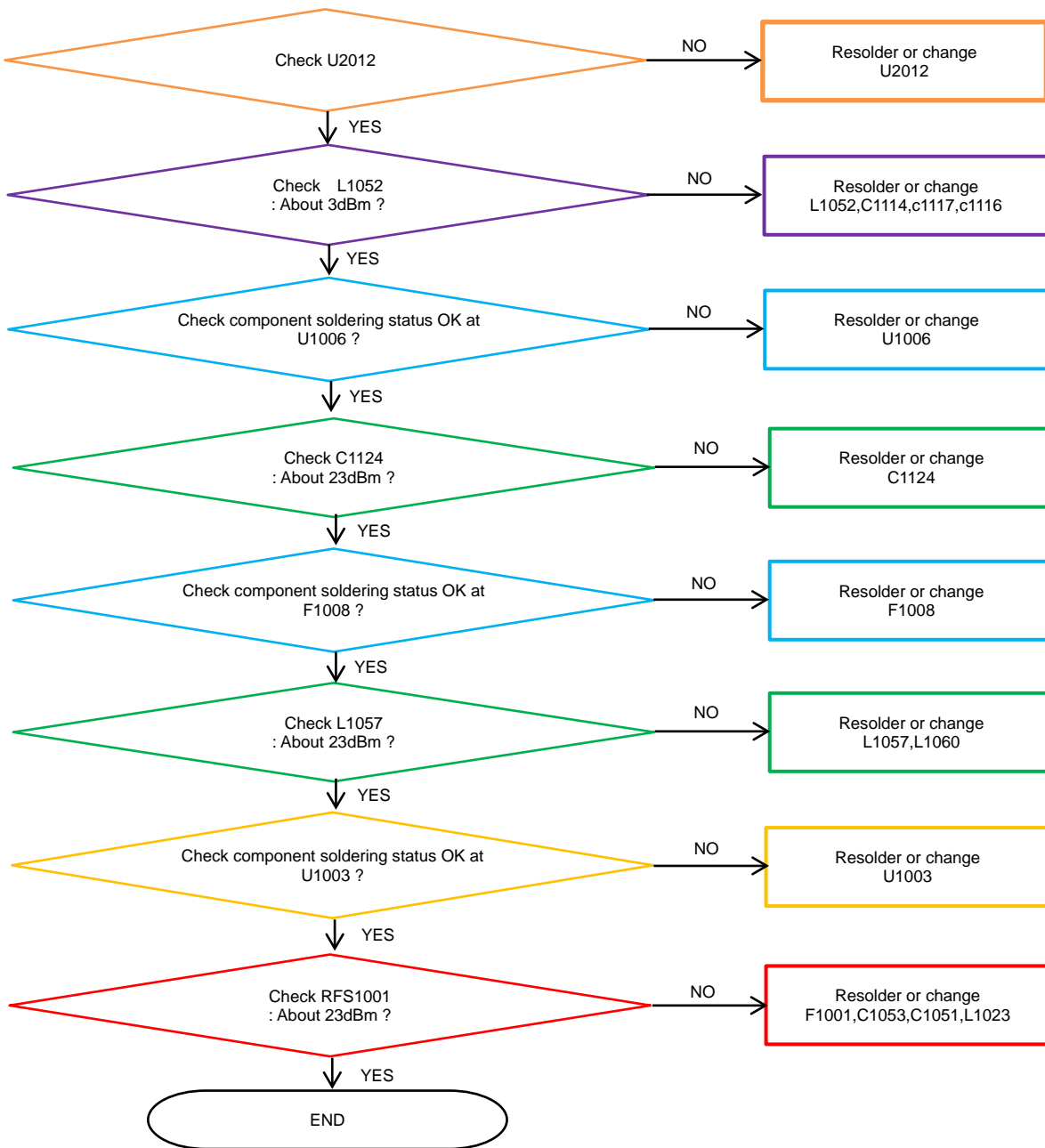
8. Level 3 Repair

8-4-42. LTE B38, 41 TX



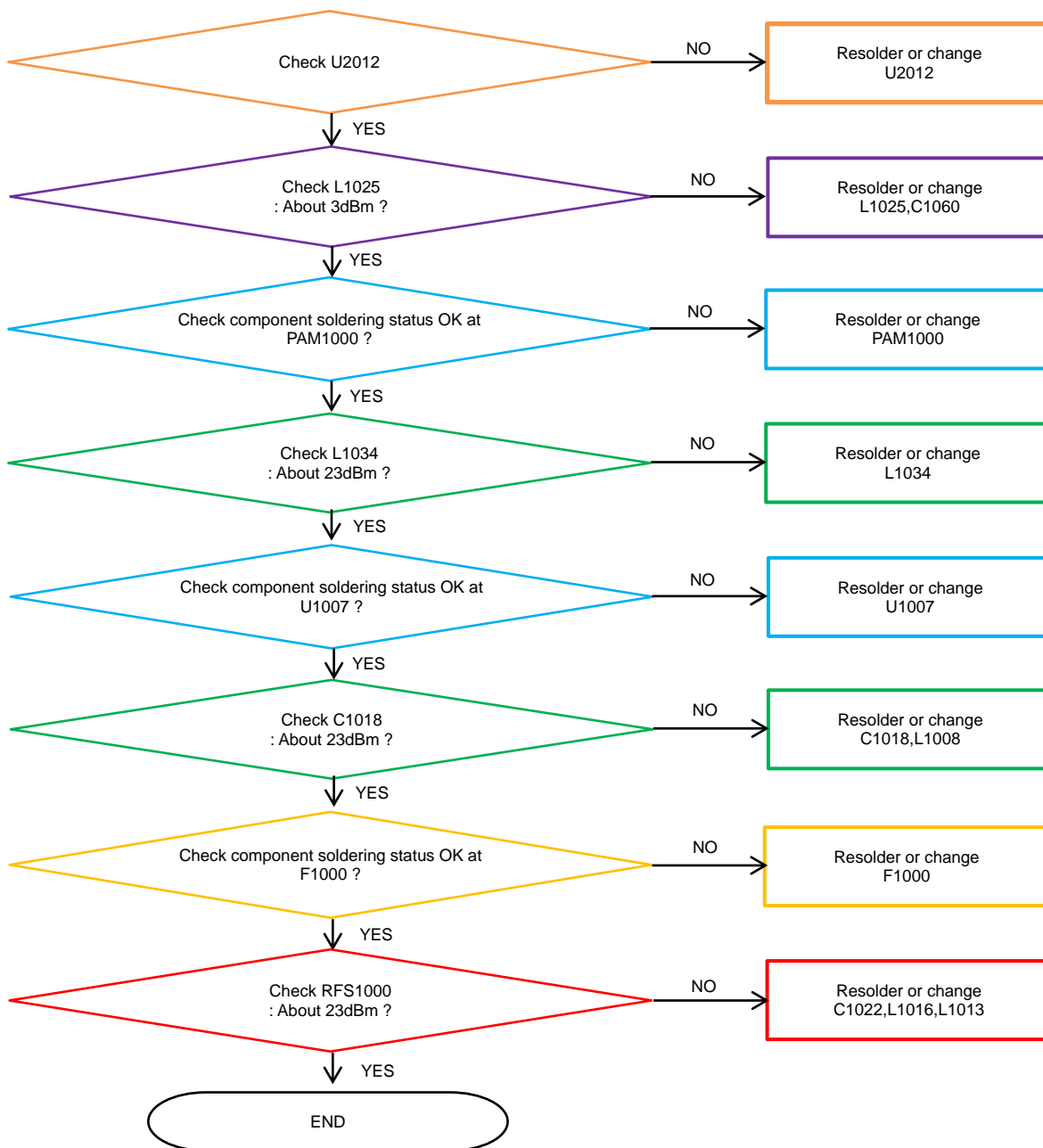
8. Level 3 Repair

8-4-43. LTE B40 TX



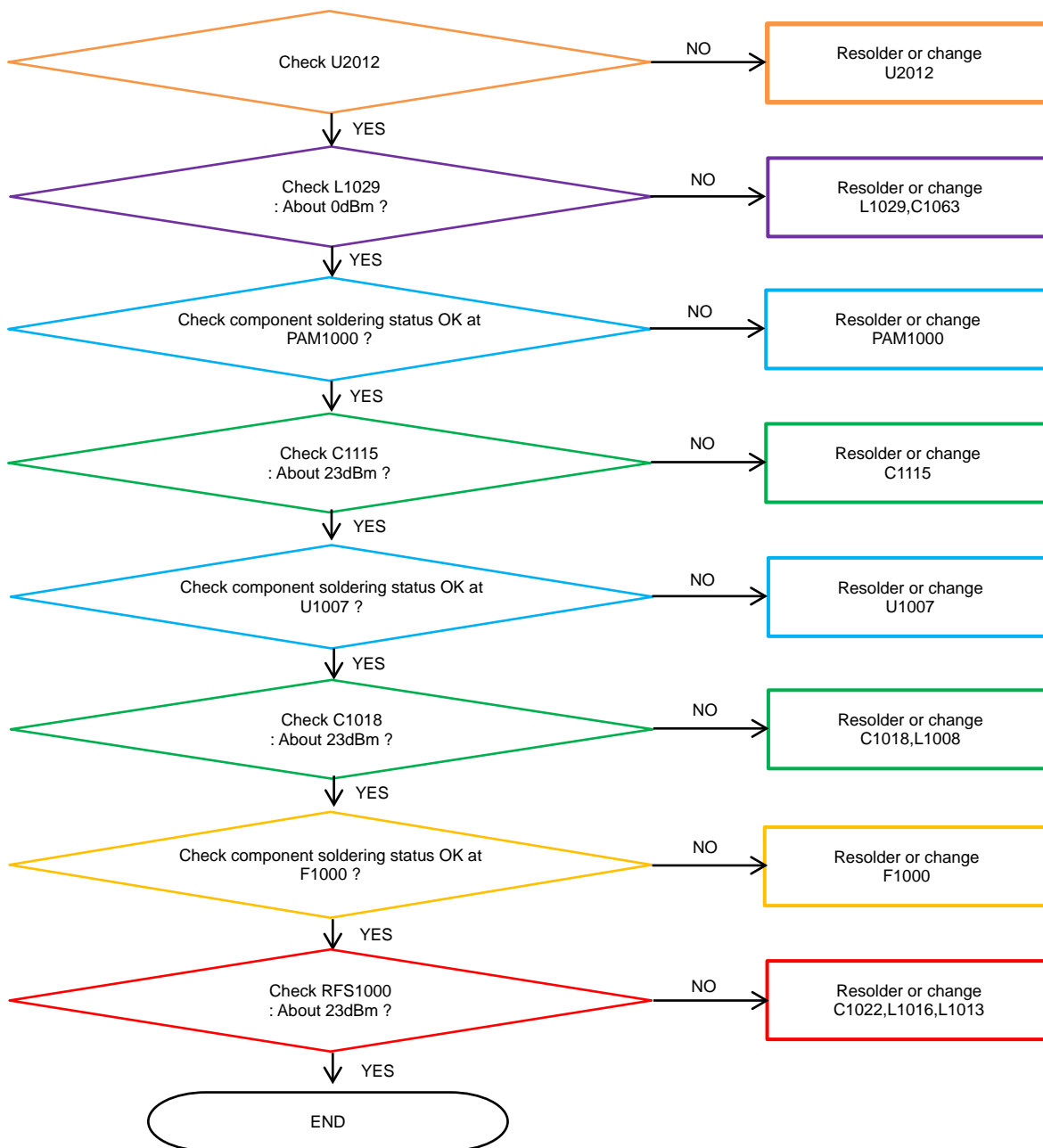
8. Level 3 Repair

8-4-44. WCDMA B4, LTE B4/B66 TX [SM-A205G/GN]



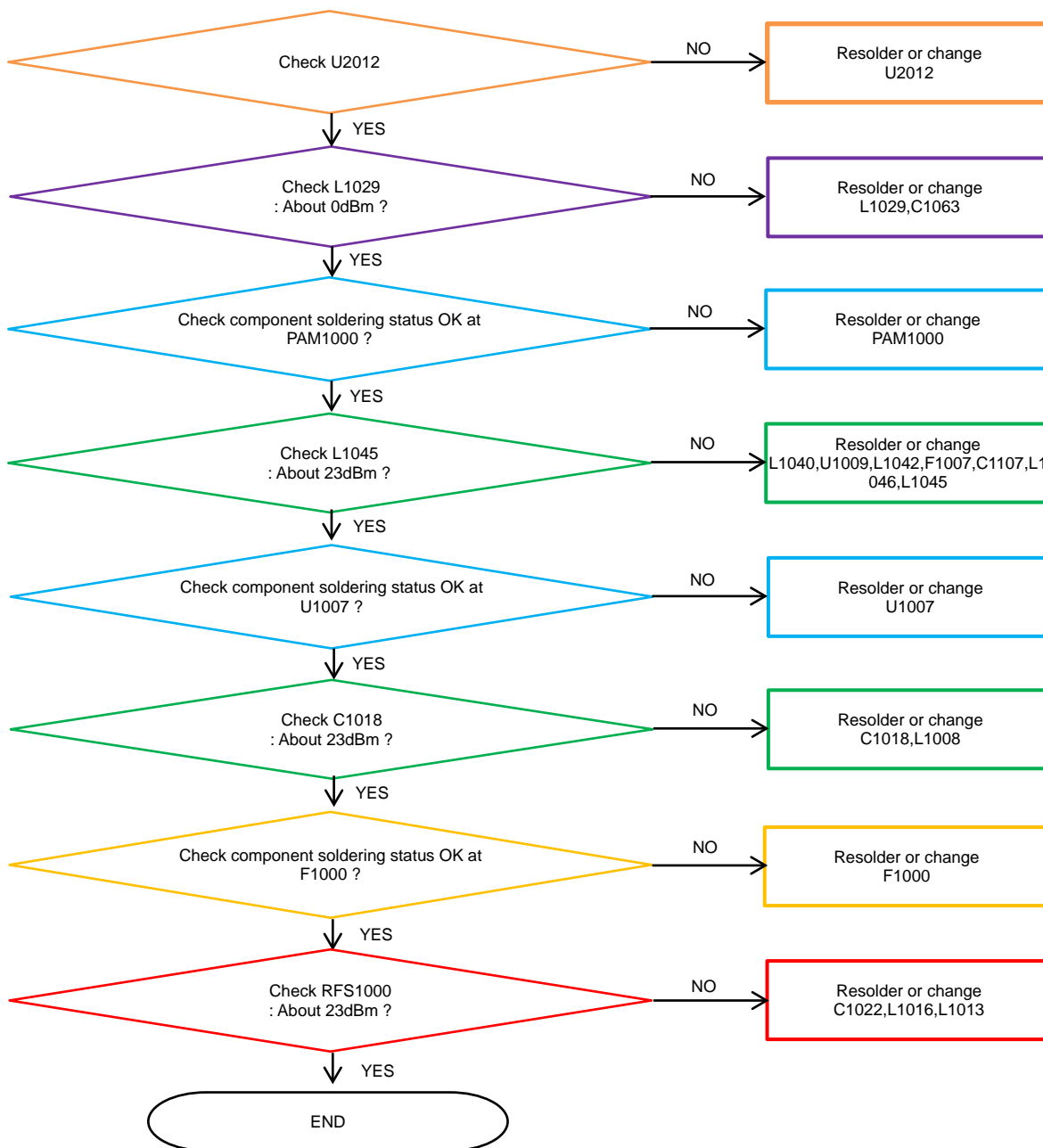
8. Level 3 Repair

8-4-45. LTE B12/B17 TX [SM-A205G/GN]



8. Level 3 Repair

8-4-46. LTE B13 TX [SM-A205G/GN]



8. Level 3 Repair

8-4-47. LTE B28 TX [SM-A205G/GN]

