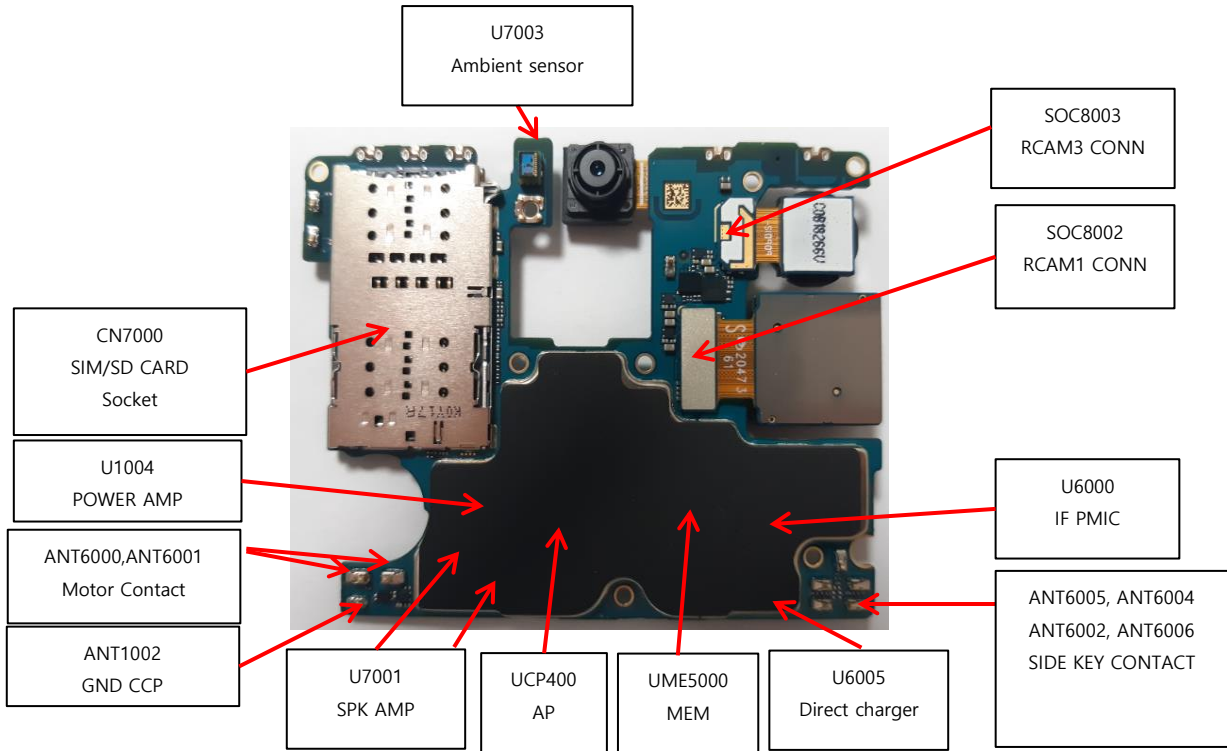
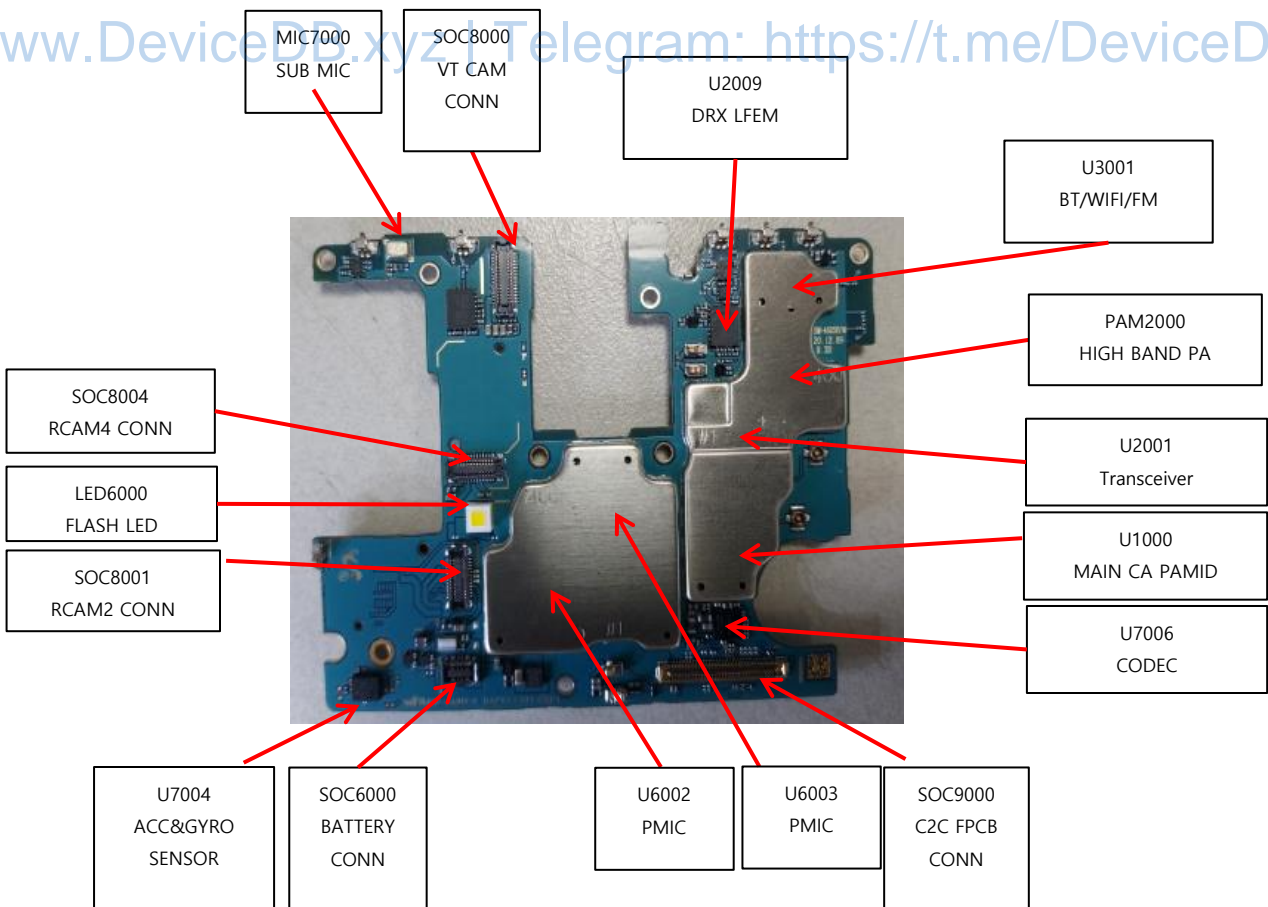


8. Level 3 Repair

8-1. Components Layout

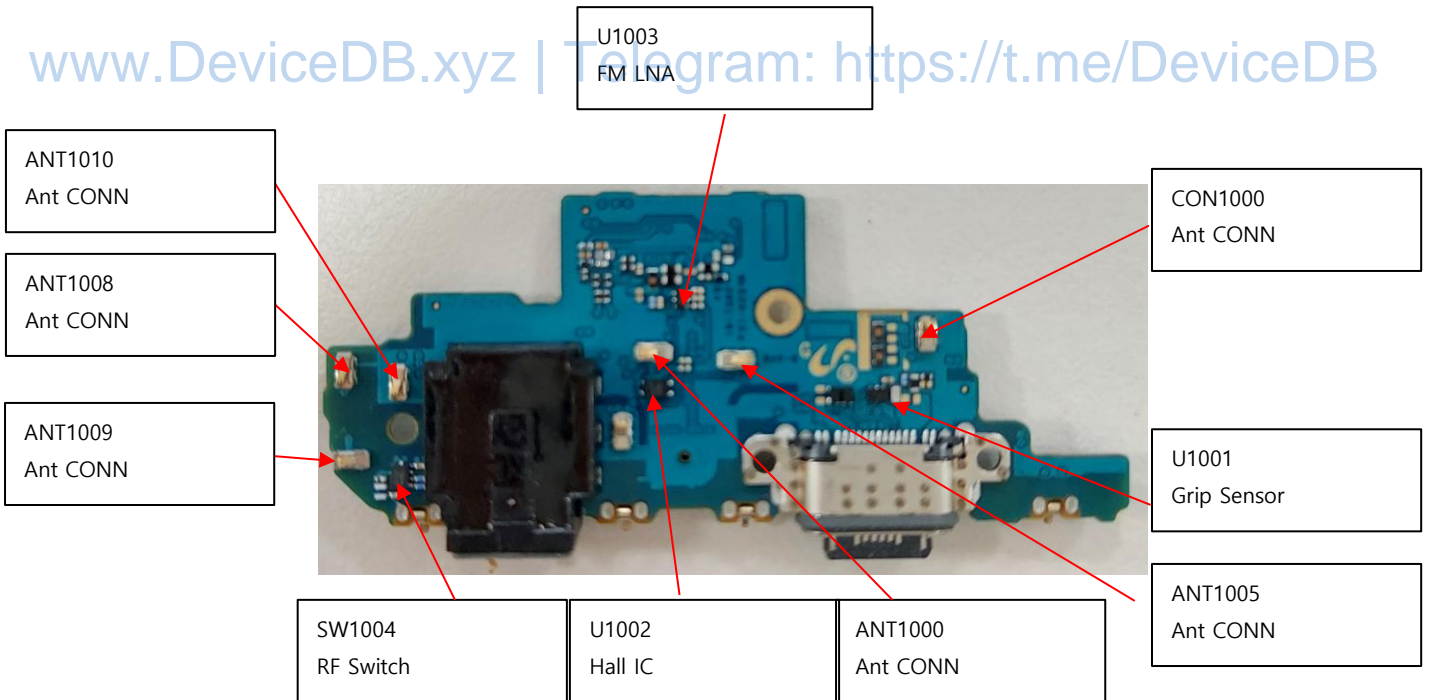
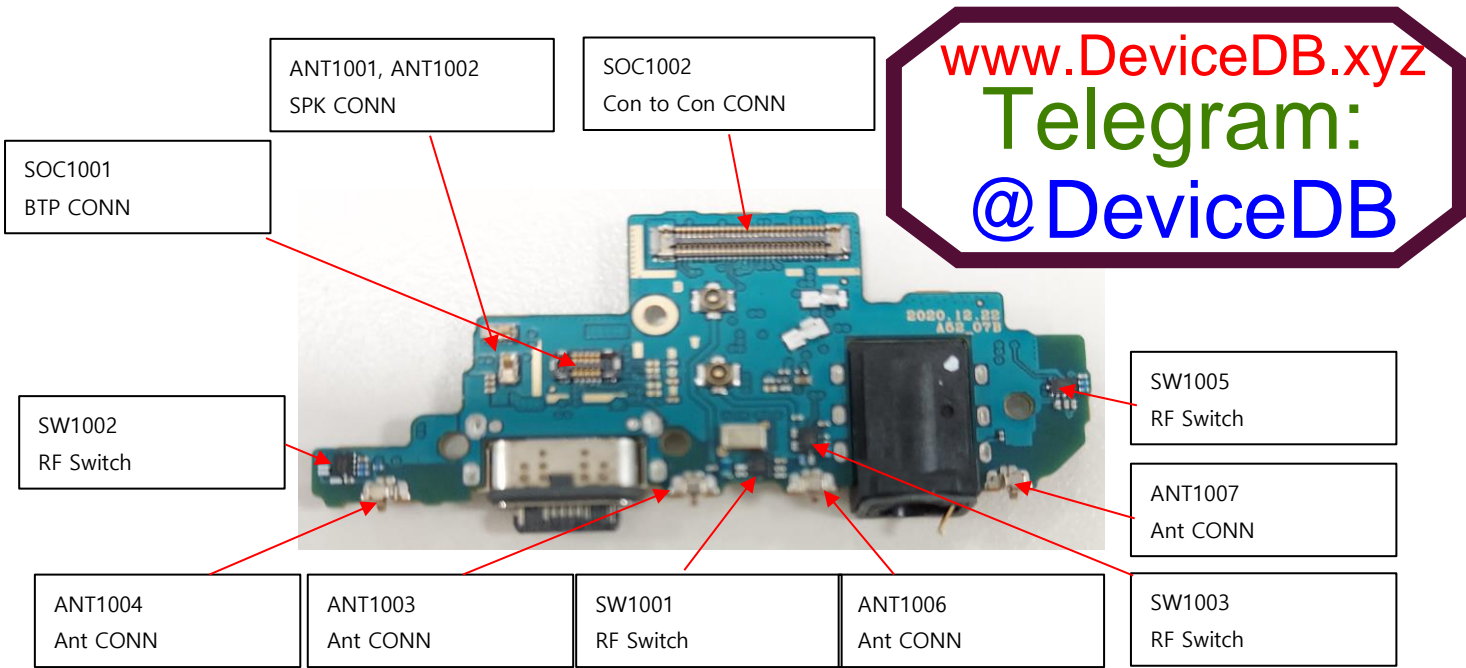


www.DeviceDB.xyz / Telegram: <https://t.me/DeviceDB>



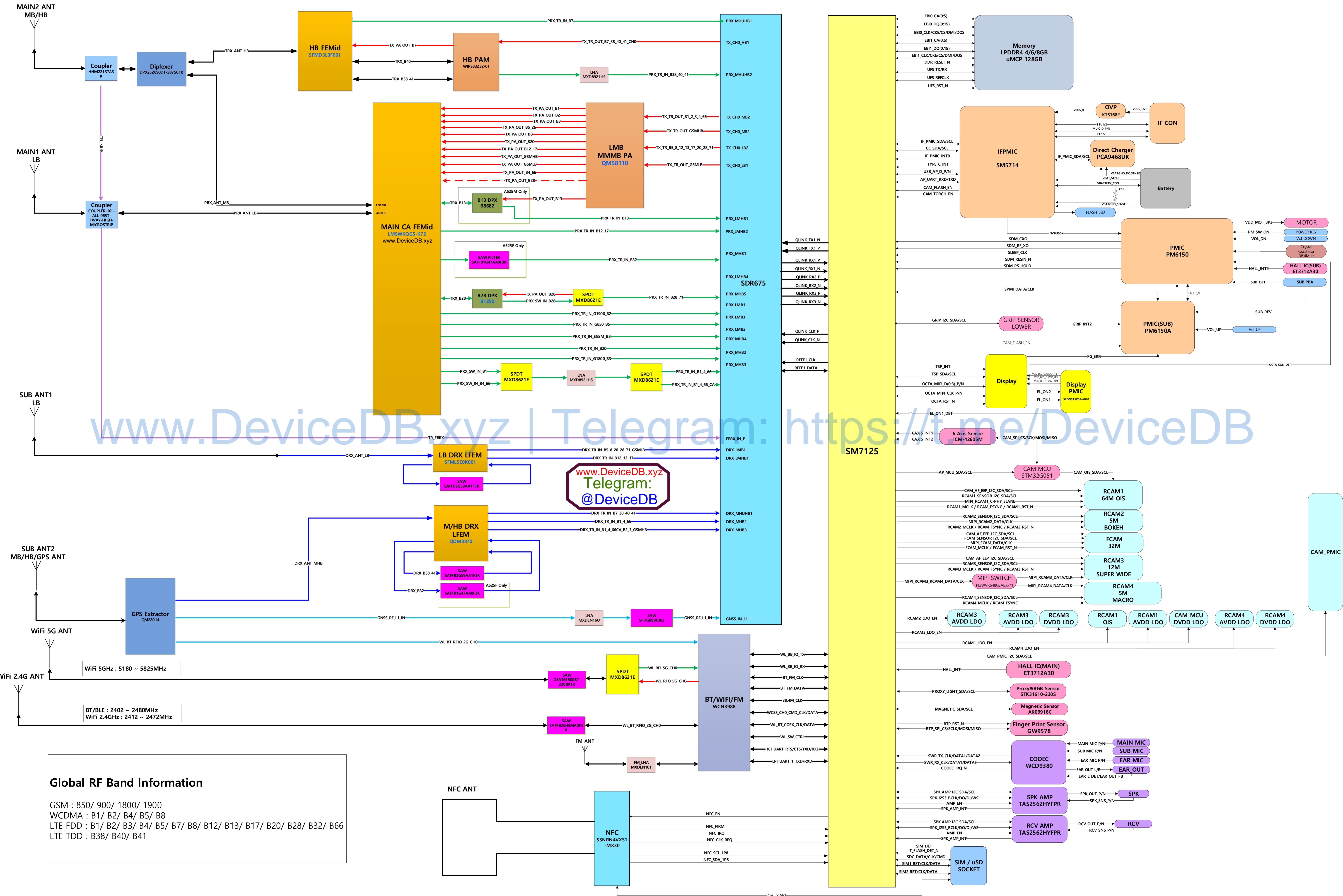
www.DeviceDB.xyz
Telegram:
@DeviceDB

8. Level 3 Repair



SM-A525F Block Diagram

SM-A525F/M
Common



Global RF Band Information

GSM : 850/ 900/ 1800/ 1900
WCDMA : B1/ B2/ B4/ B5/ B8
LTE FDD : B1/ B2/ B3/ B4/ B5/ B7/ B8/ B12/ B13/ B17/ B20/ B28/ B32/ B66
LTE TDD : B38/ B40/ B41

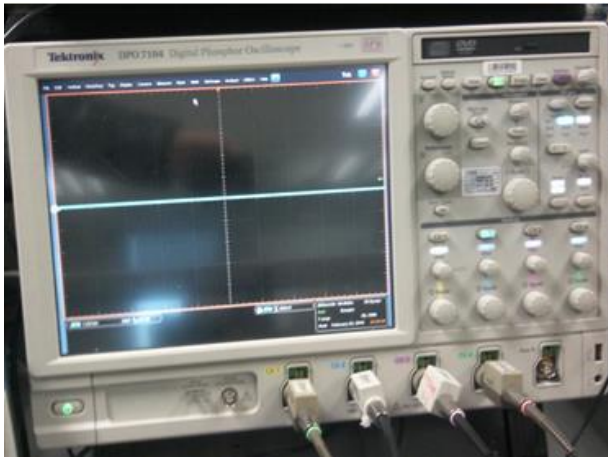
www.DeviceDB.xyz
Telegram: @DeviceDB

SM7125

CAM_PMIC

8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



Oscilloscope



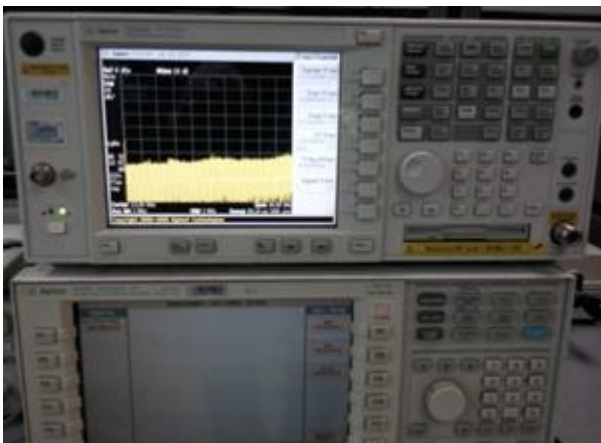
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



8960 & Spectrum Analyzer

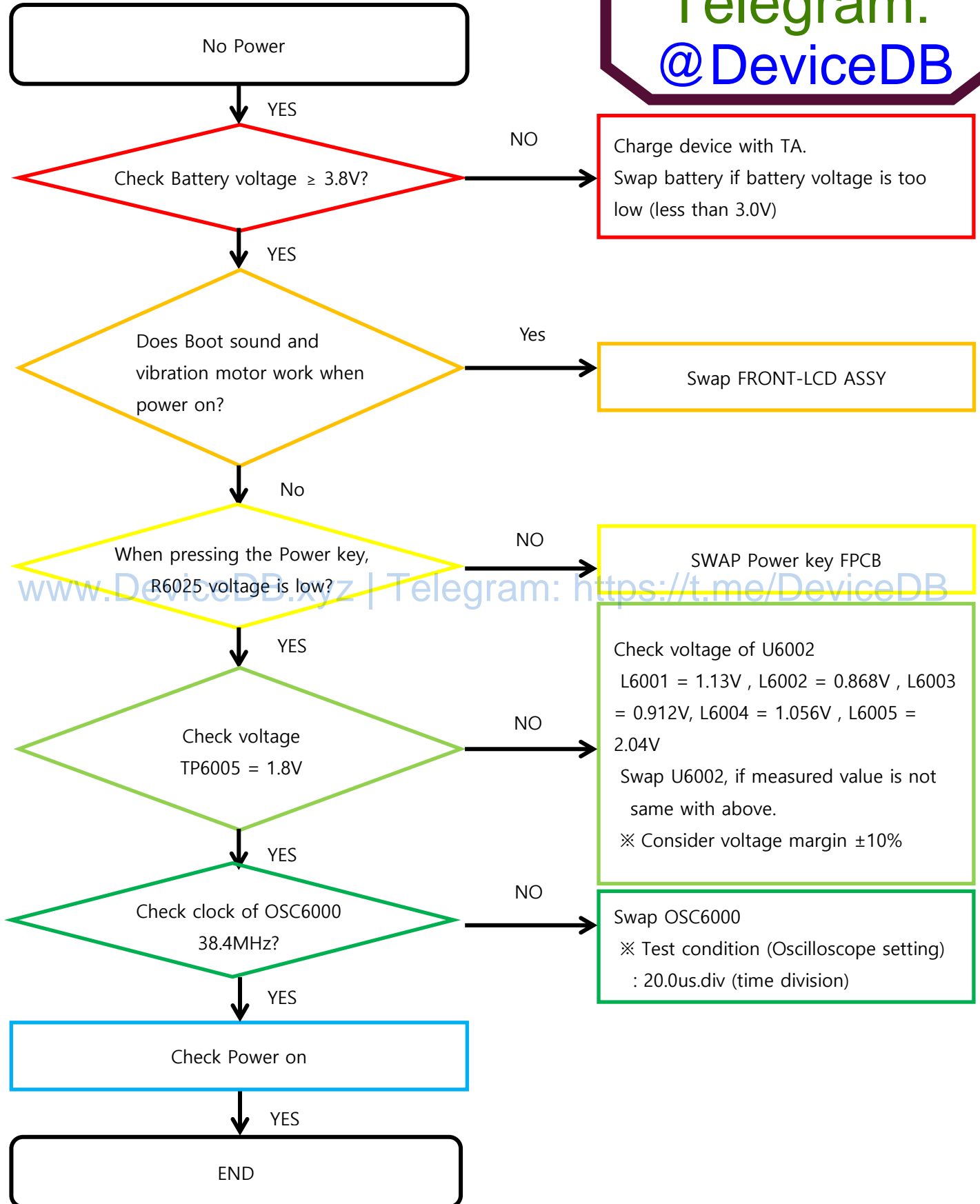


Soldering iron

www.DeviceDB.xyz
Telegram:
@DeviceDB

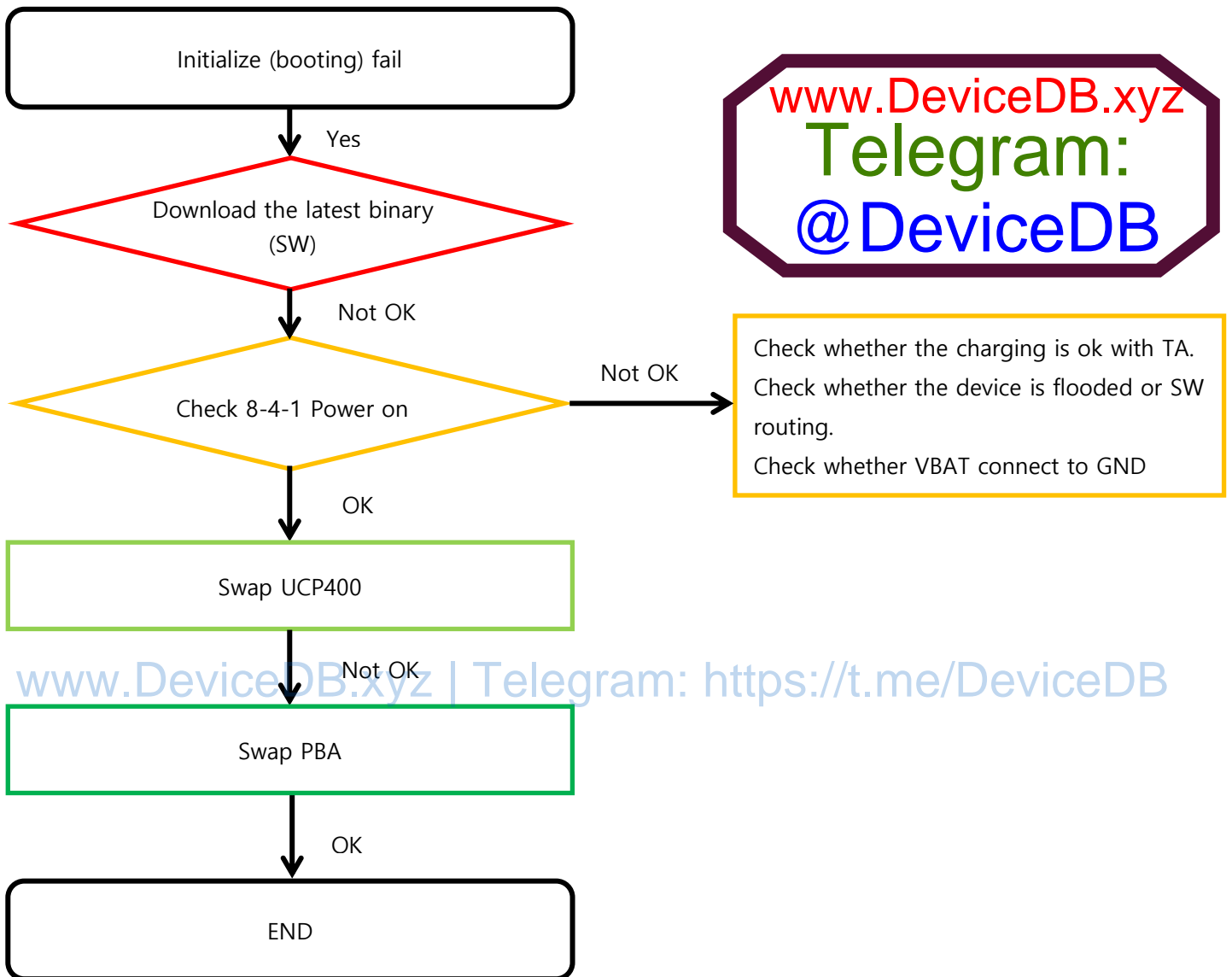
8. Level 3 Repair

8-4-1. Power On



8. Level 3 Repair

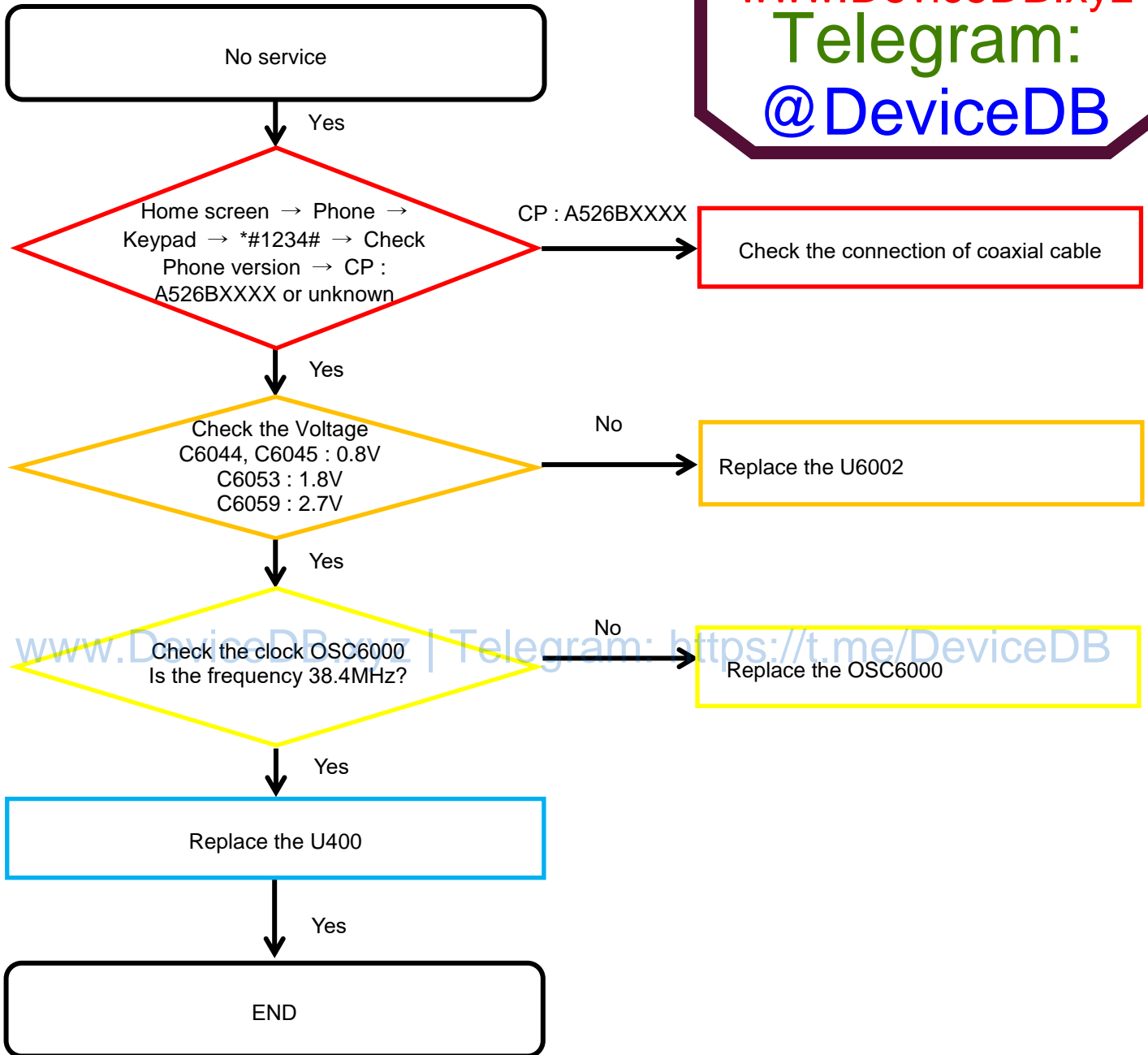
8-4-2. Initial



8. Level 3 Repair

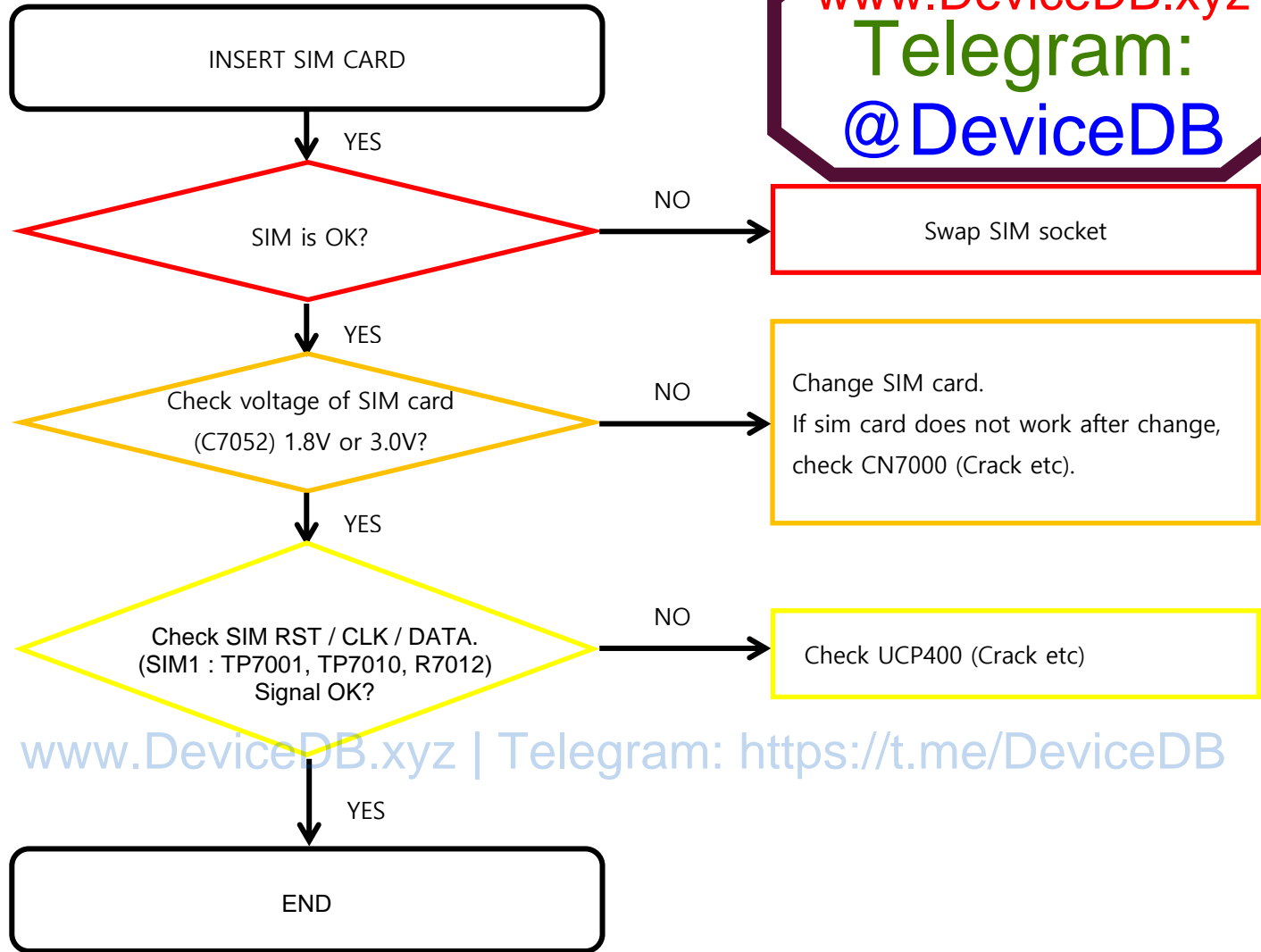
8-4-3. No Service

www.DeviceDB.xyz
Telegram:
@DeviceDB



8. Level 3 Repair

8-4-4. SIM Part



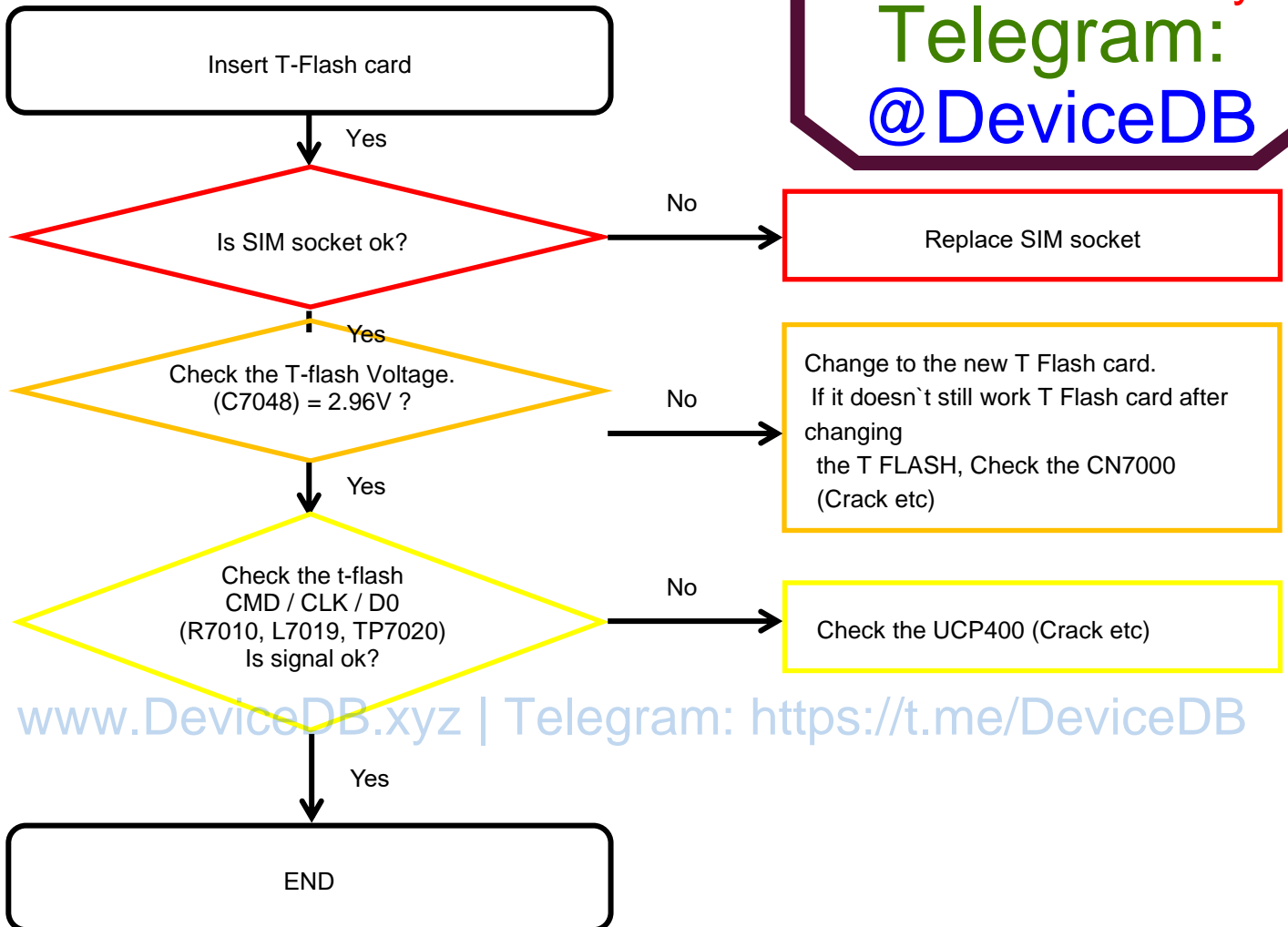
www.DeviceDB.xyz
Telegram:
@DeviceDB

www.DeviceDB.xyz | [Telegram: https://t.me/DeviceDB](https://t.me/DeviceDB)

8. Level 3 Repair

8-4-5. T-Flash Part

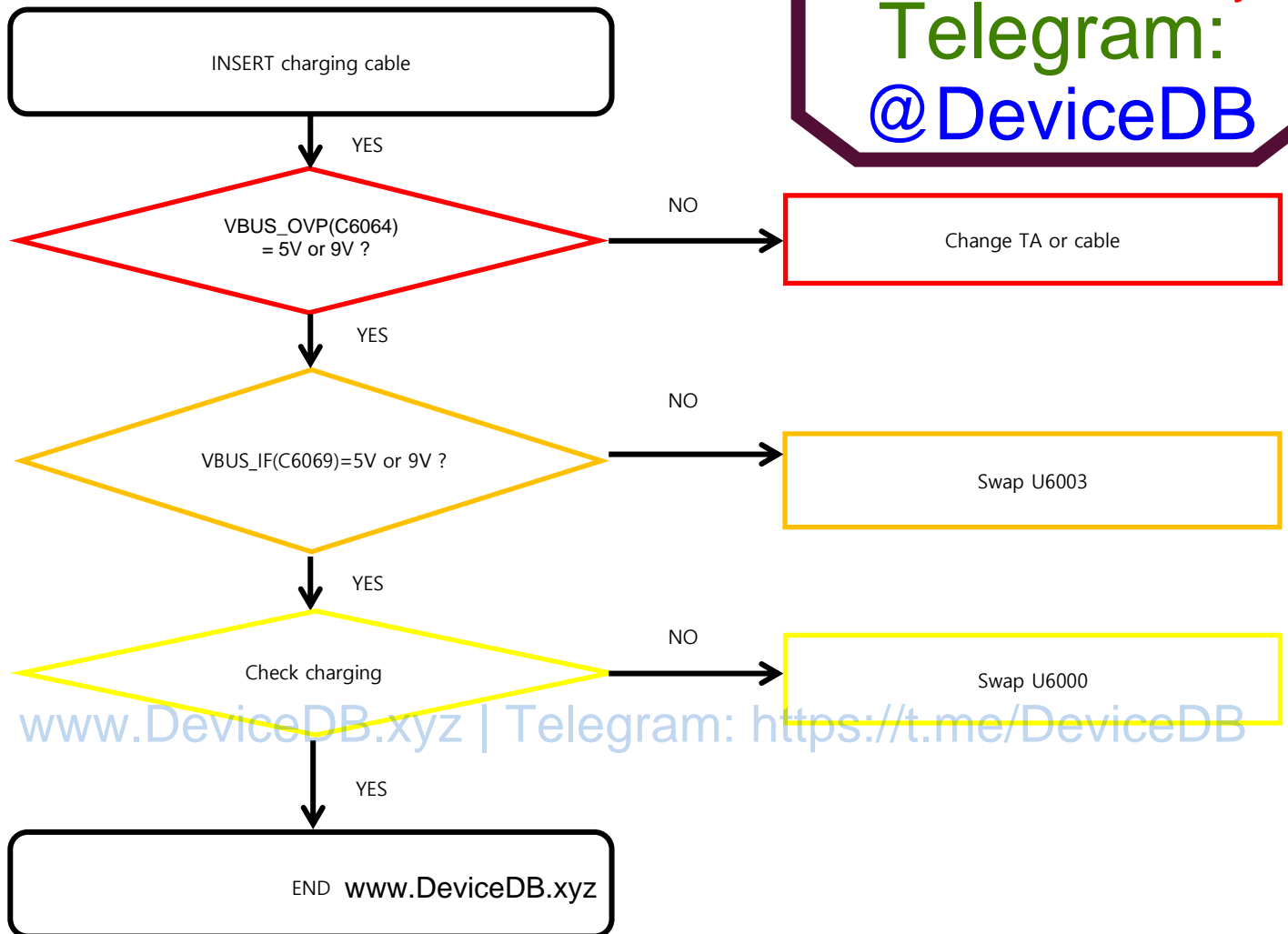
www.DeviceDB.xyz
Telegram:
@DeviceDB



www.DeviceDB.xyz | Telegram: <https://t.me/DeviceDB>

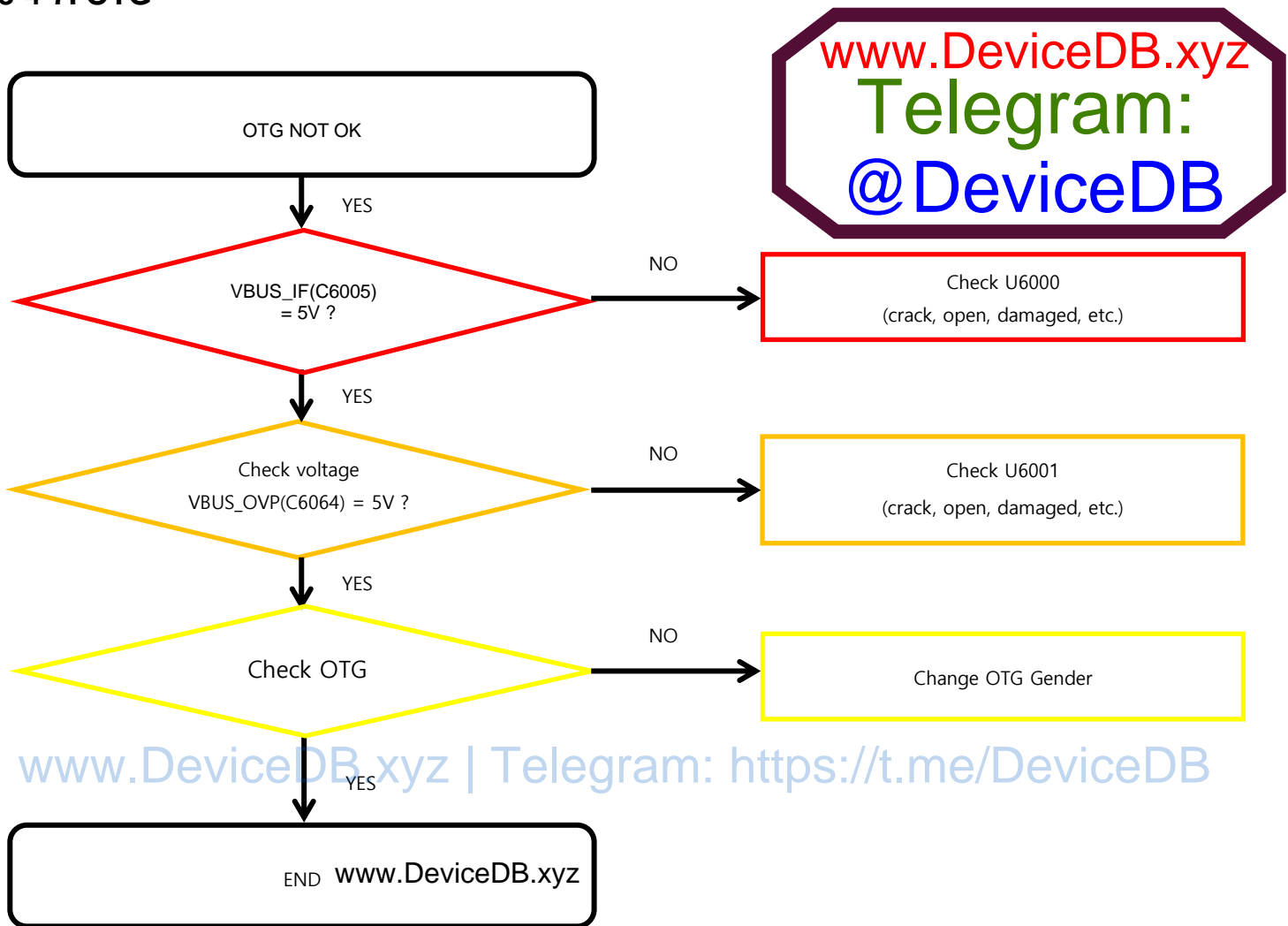
8. Level 3 Repair

8-4-6. Cable Charging Part (Normal/Fast)



8. Level 3 Repair

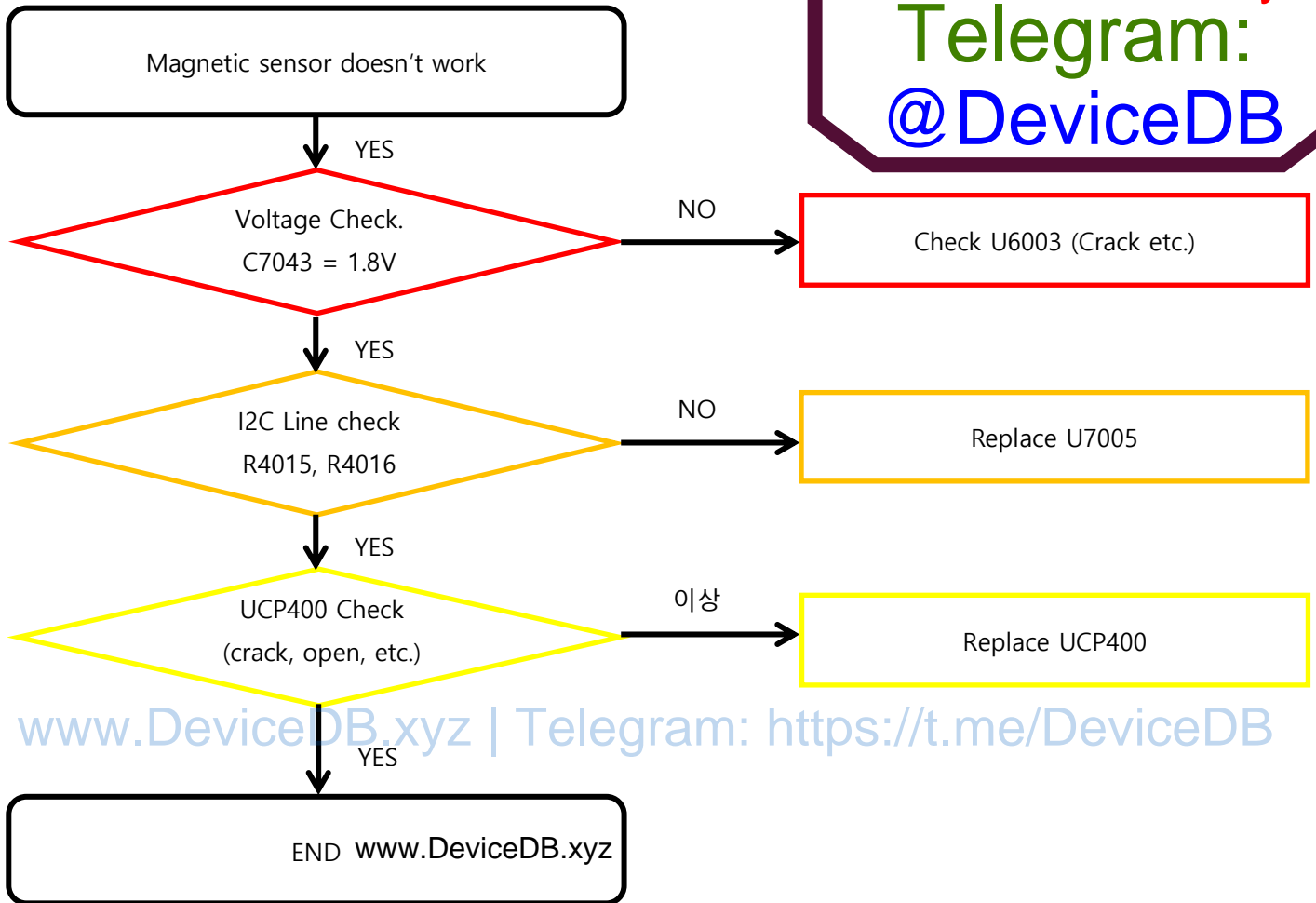
8-4-7. OTG



8. Level 3 Repair

8-4-8-1. Magnetic Sensor

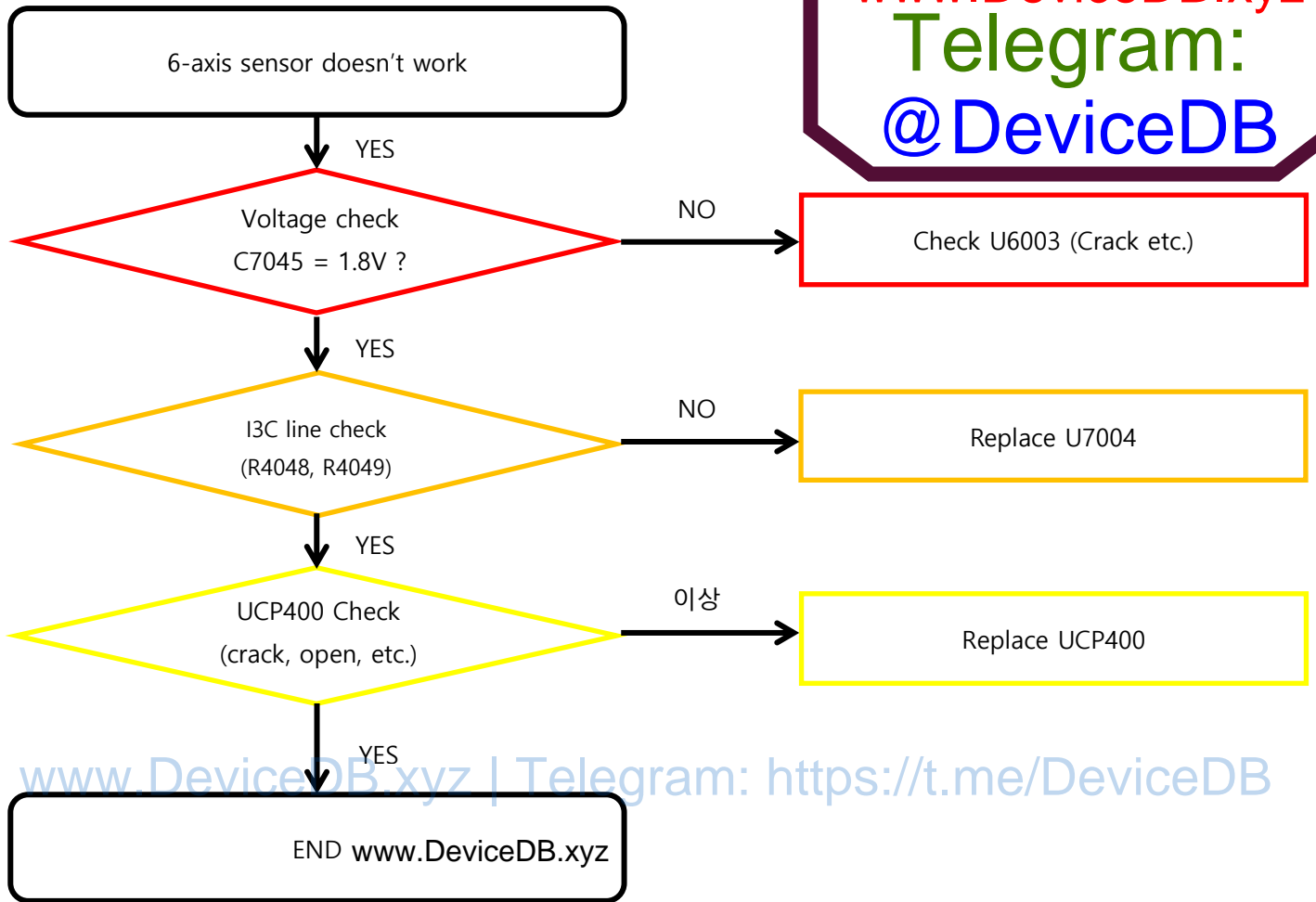
www.DeviceDB.xyz
Telegram:
[@DeviceDB](https://t.me/DeviceDB)



www.DeviceDB.xyz | Telegram: <https://t.me/DeviceDB>

8. Level 3 Repair

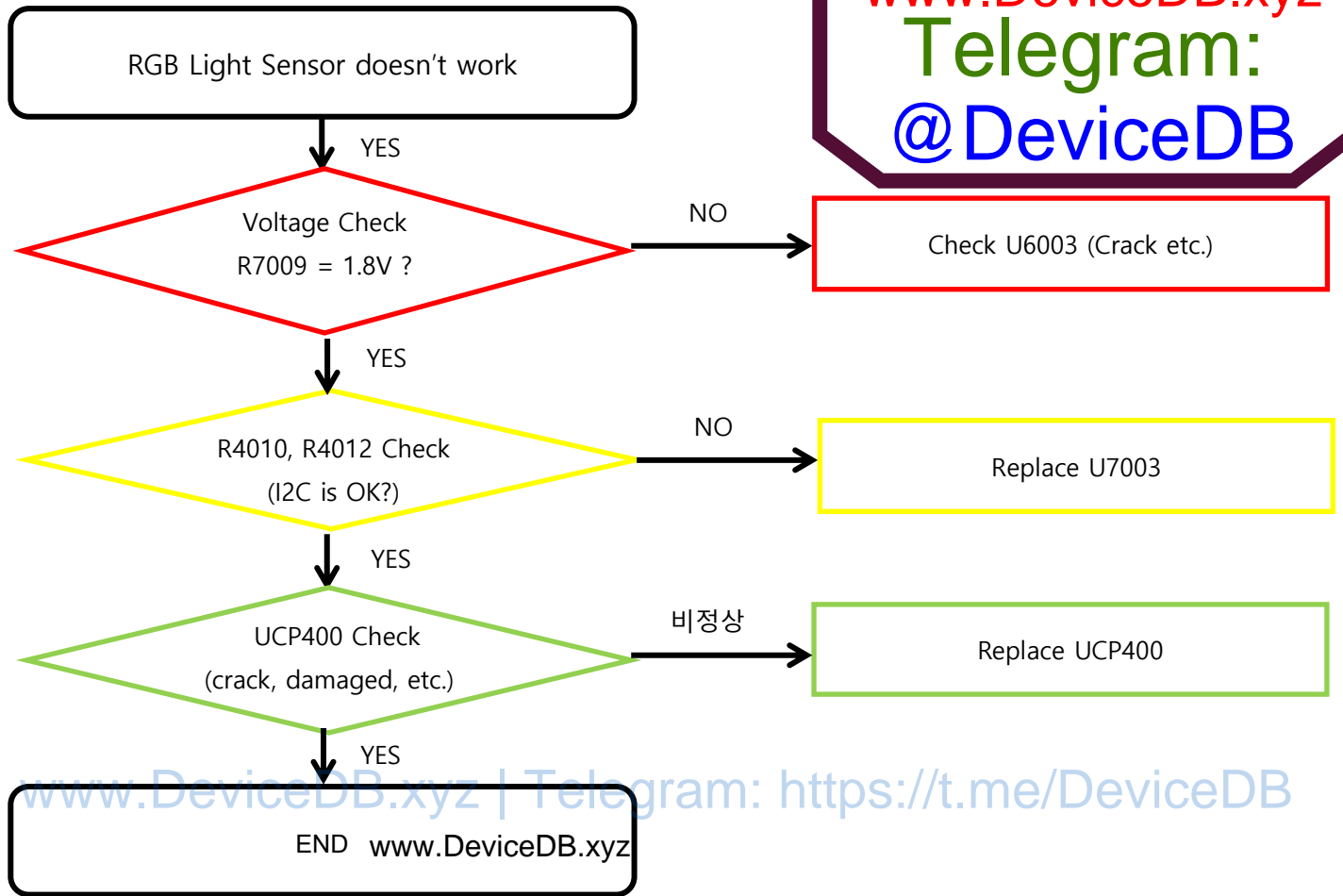
8-4-8-2. 6Axis Sensor



www.DeviceDB.xyz
Telegram:
@DeviceDB

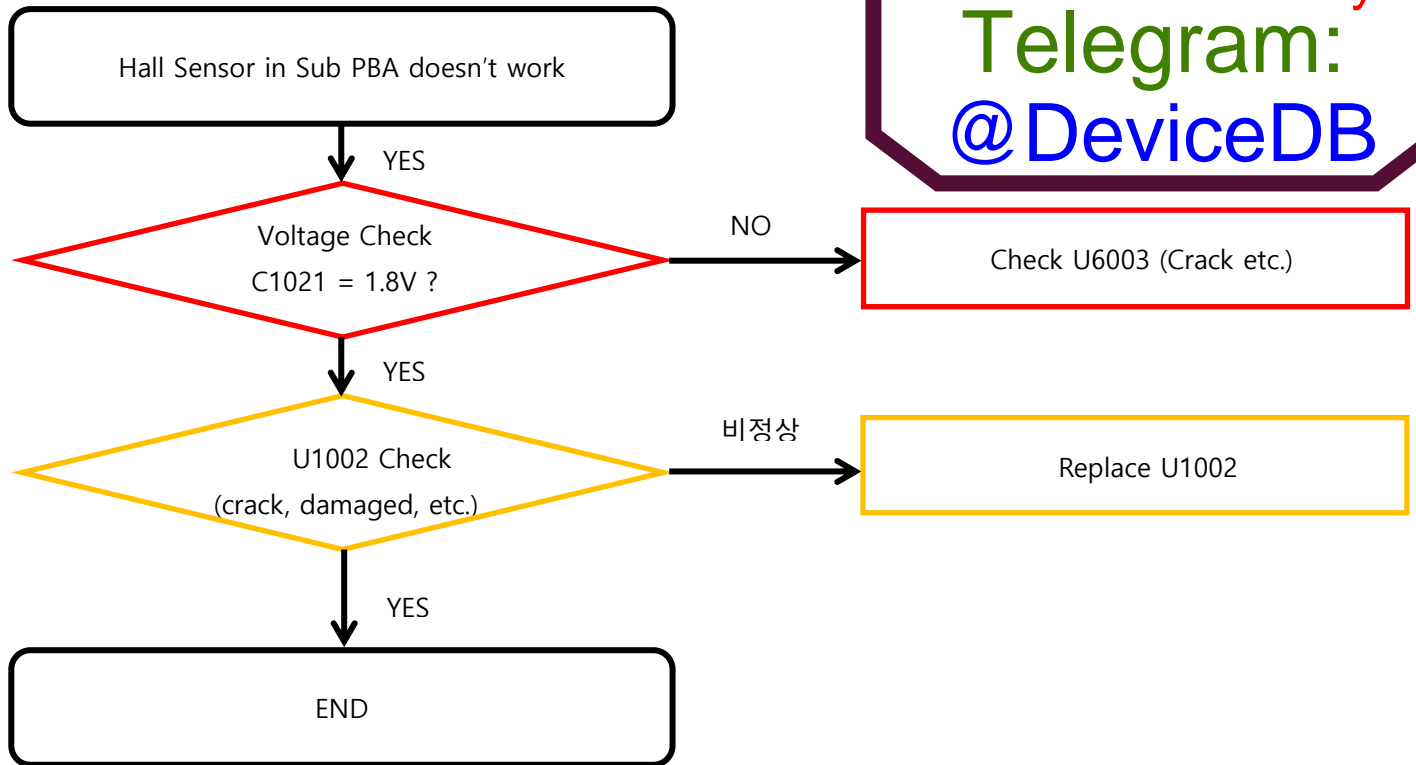
8. Level 3 Repair

8-4-8-3. RGB Light sensor



8. Level 3 Repair

8-4-8-4. Hall Sensor



www.DeviceDB.xyz
Telegram:
[@DeviceDB](https://t.me/DeviceDB)

www.DeviceDB.xyz | Telegram: <https://t.me/DeviceDB>

1. RU

<https://DeviceDB.xyz> -

- FAQ,

-

- (,)

- , ,

- .

ПОДПИСЫВАЙТЕСЬ И БУДЕТЕ ВСЕГДА В КУРСЕ НОВЫХ МАТЕРИАЛОВ

1. **TELEGRAM @DeviceDB** - <https://t.me/DeviceDB>

2. **VKontakte** - <https://vk.com/devicedb>

3. **Instagram** - https://www.instagram.com/site_devicedb.xyz/

4. **FaceBook** - <https://www.facebook.com/groups/devicedb/>

5. **YouTube** -

<https://www.youtube.com/channel/UCzLTdb2cHTbEIPpvvy3arQ/>

Присоединяйтесь!!!

2.ENG

This file has been downloaded from <https://DeviceDB.xyz> - Device Database

- FAQ, user manual

- Reviews, reviews

- Technical documentation (schematic, service manual)

- Firmware, drivers, utilities for firmware

- and other reference information

For each device in one place.

SUBSCRIBE AND WILL ALWAYS BE IN THE COURSE OF NEW MATERIALS

1. **TELEGRAM @DeviceDB** - <https://t.me/DeviceDB>

2. **VKontakte** - <https://vk.com/devicedb>

3. **Instagram** - https://www.instagram.com/site_devicedb.xyz/

4. **FaceBook** - <https://www.facebook.com/groups/devicedb/>

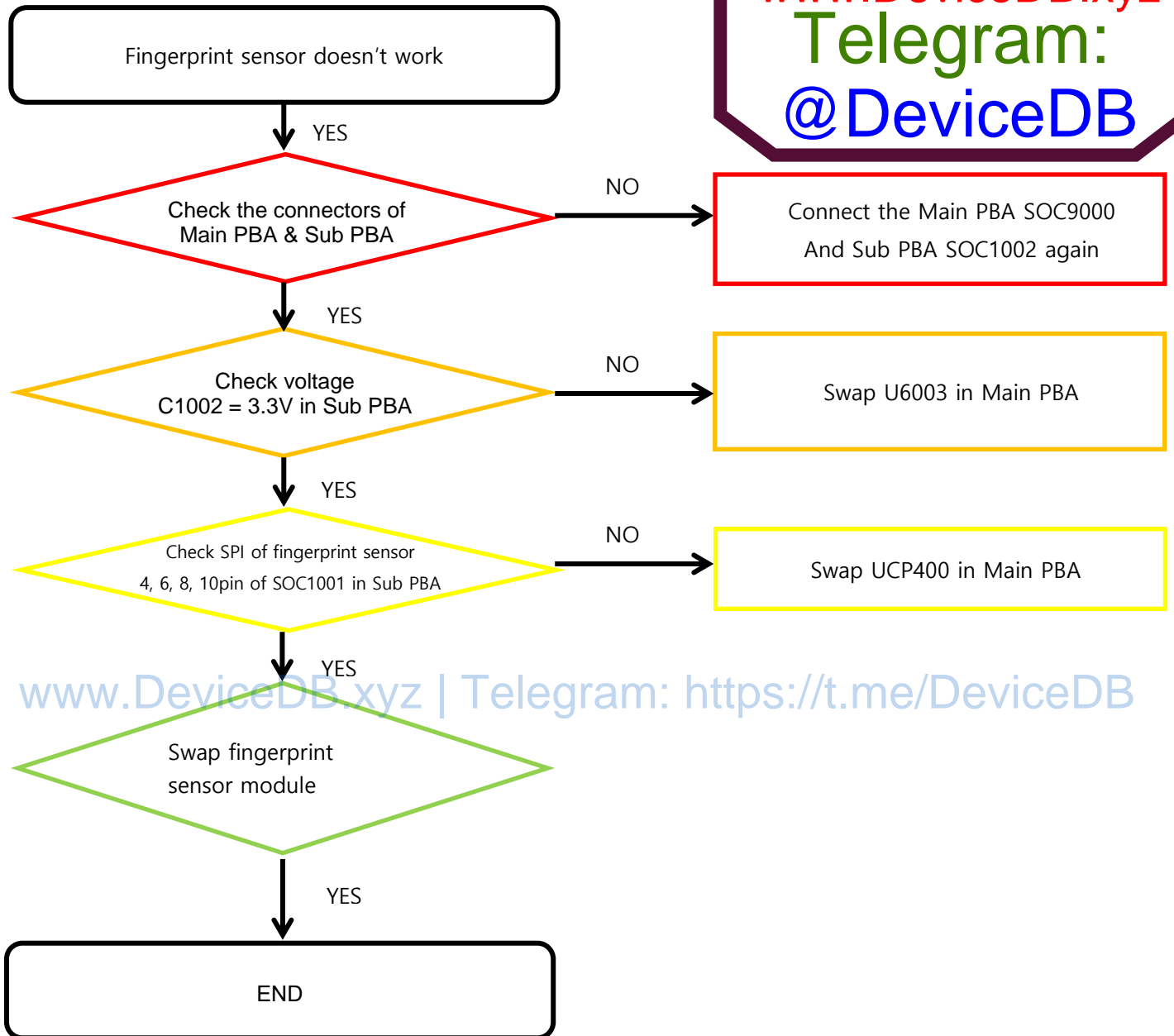
5. **YouTube** -

<https://www.youtube.com/channel/UCzLTdb2cHTbEIPpvvy3arQ/>

Join !!!

8. Level 3 Repair

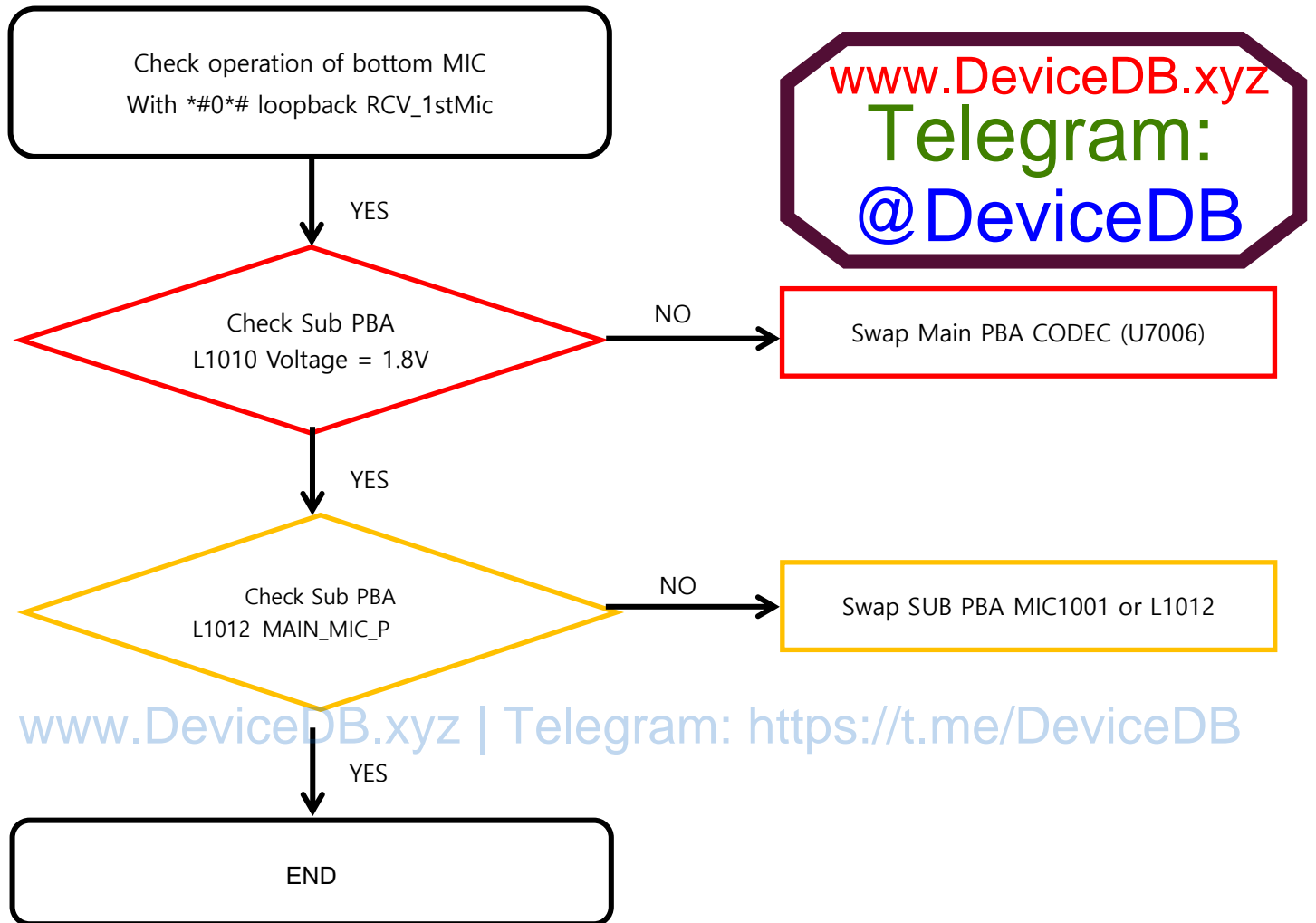
8-4-8-5. Fingerprint Sensor



www.DeviceDB.xyz | Telegram: <https://t.me/DeviceDB>

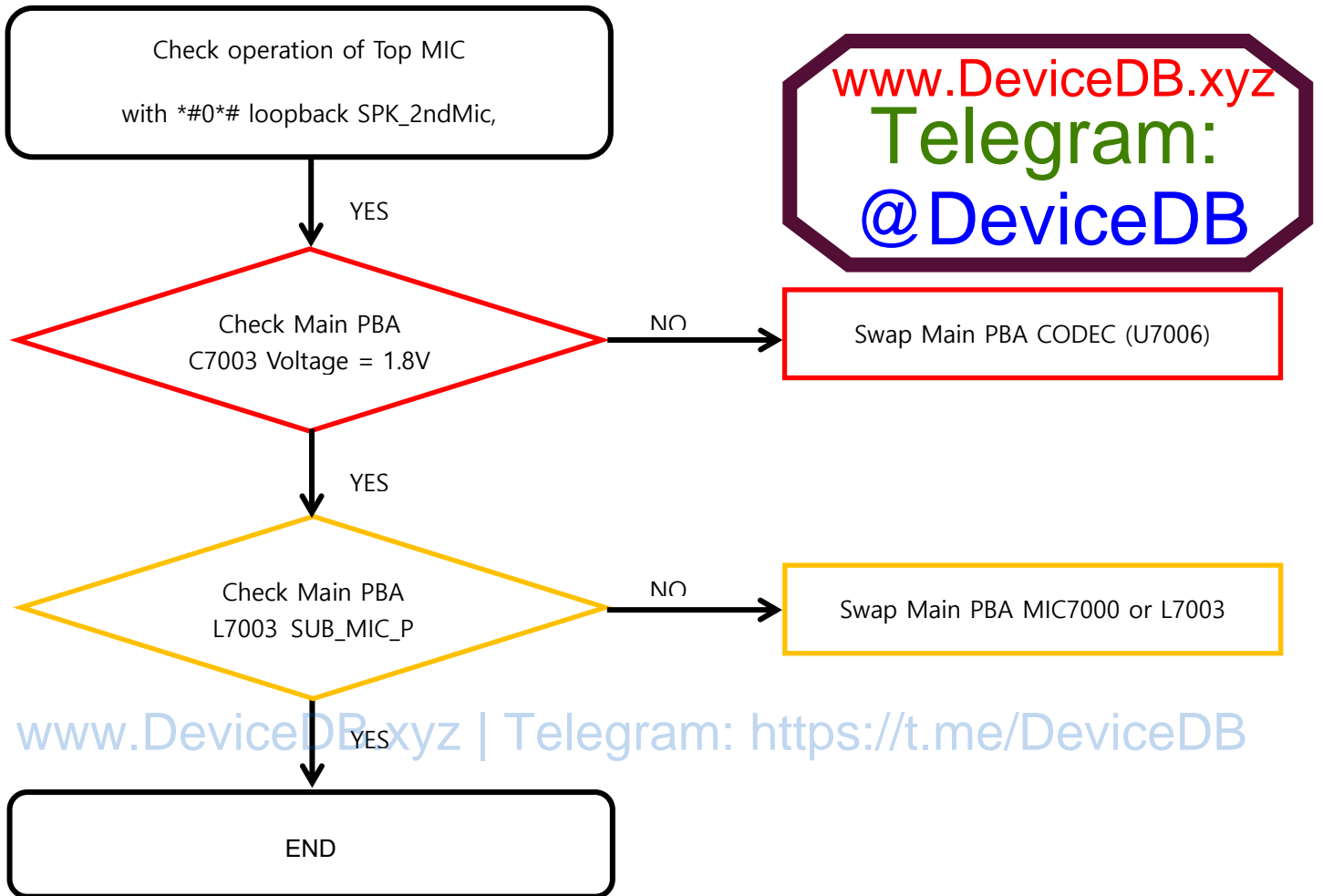
8. Level 3 Repair

8-4-9-1. Microphone Part - Main MIC



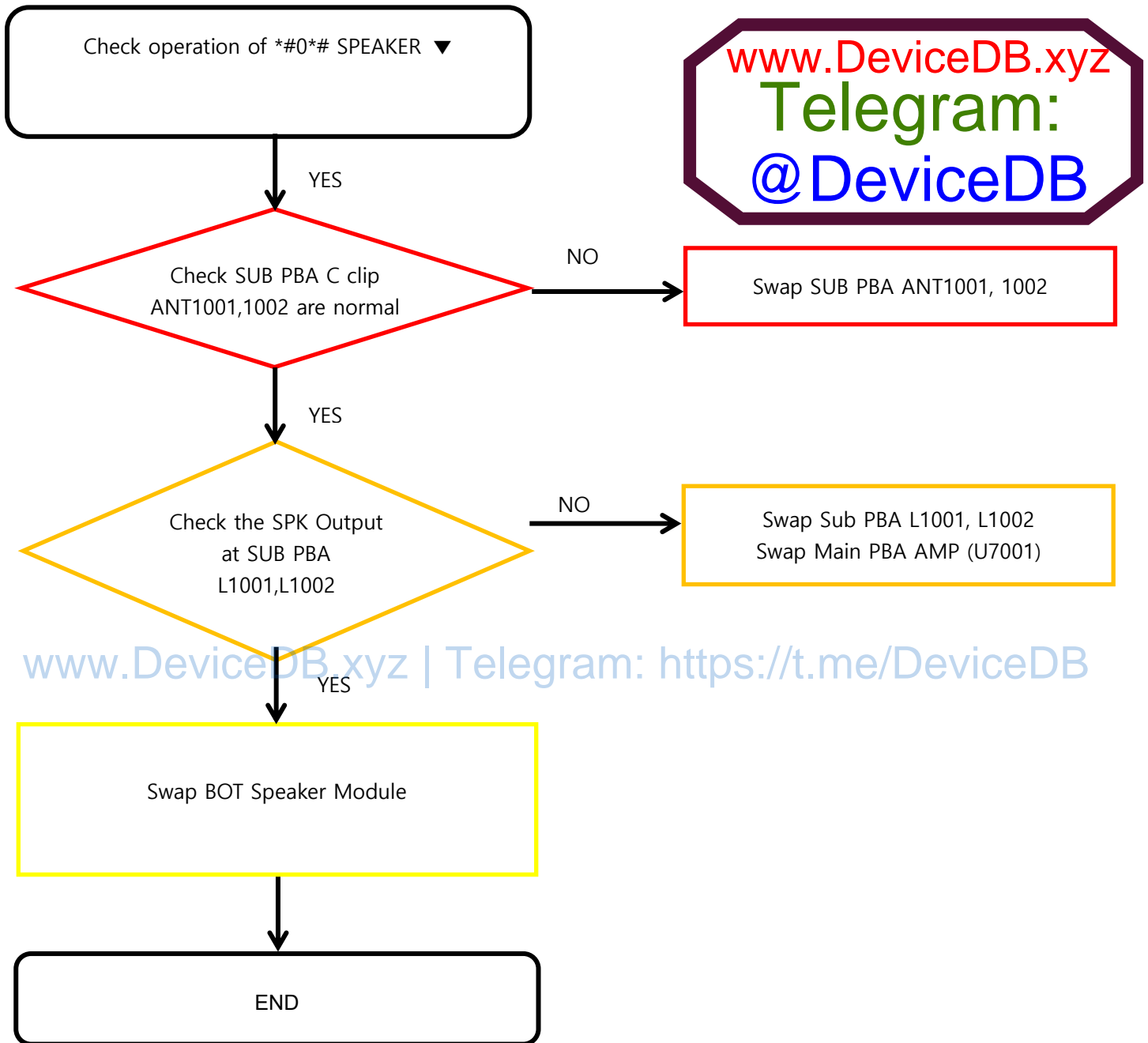
8. Level 3 Repair

8-4-9-2. Microphone Part - Sub(2nd) MIC



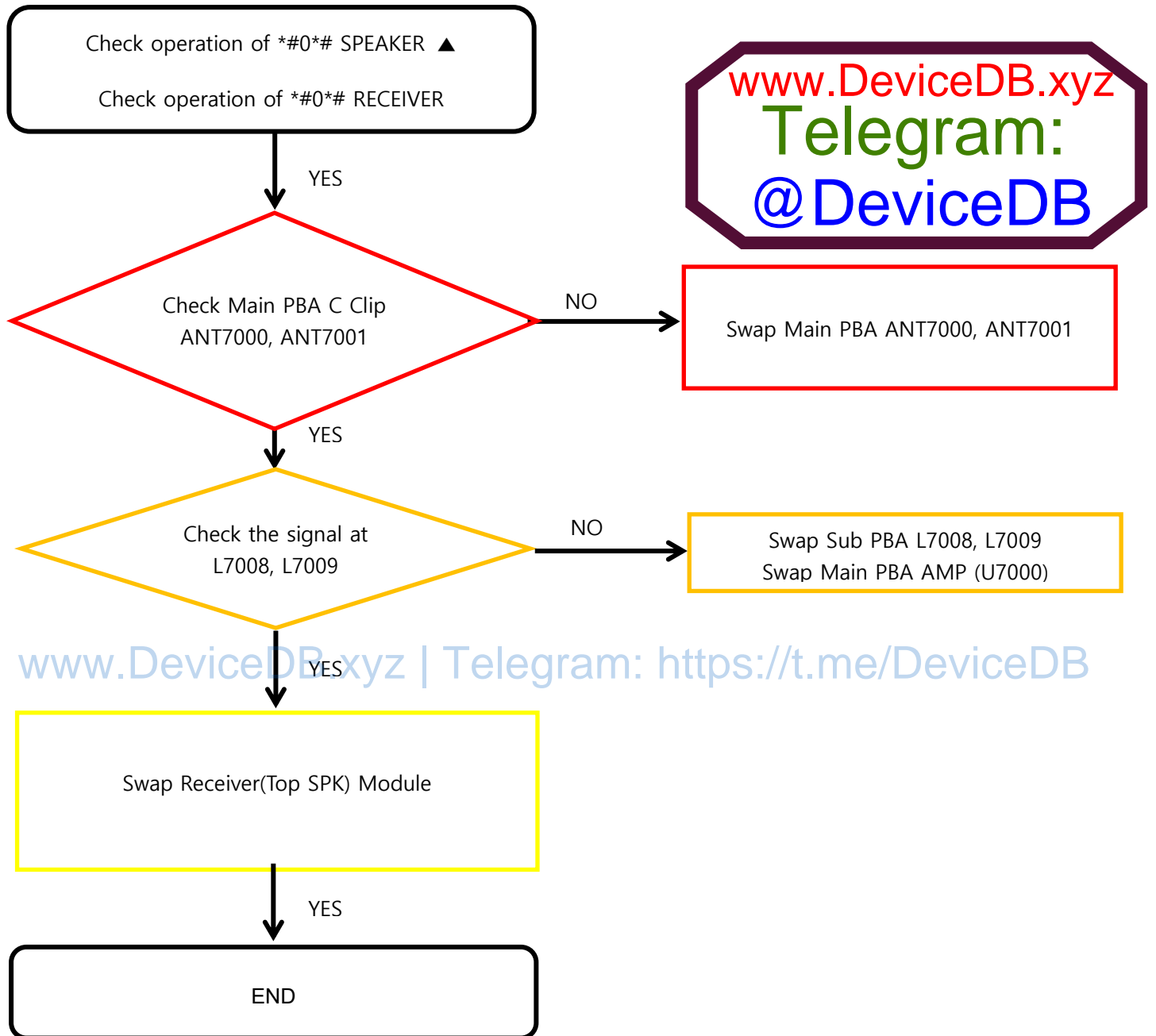
8. Level 3 Repair

8-4-10. Speaker Part - Bottom speaker



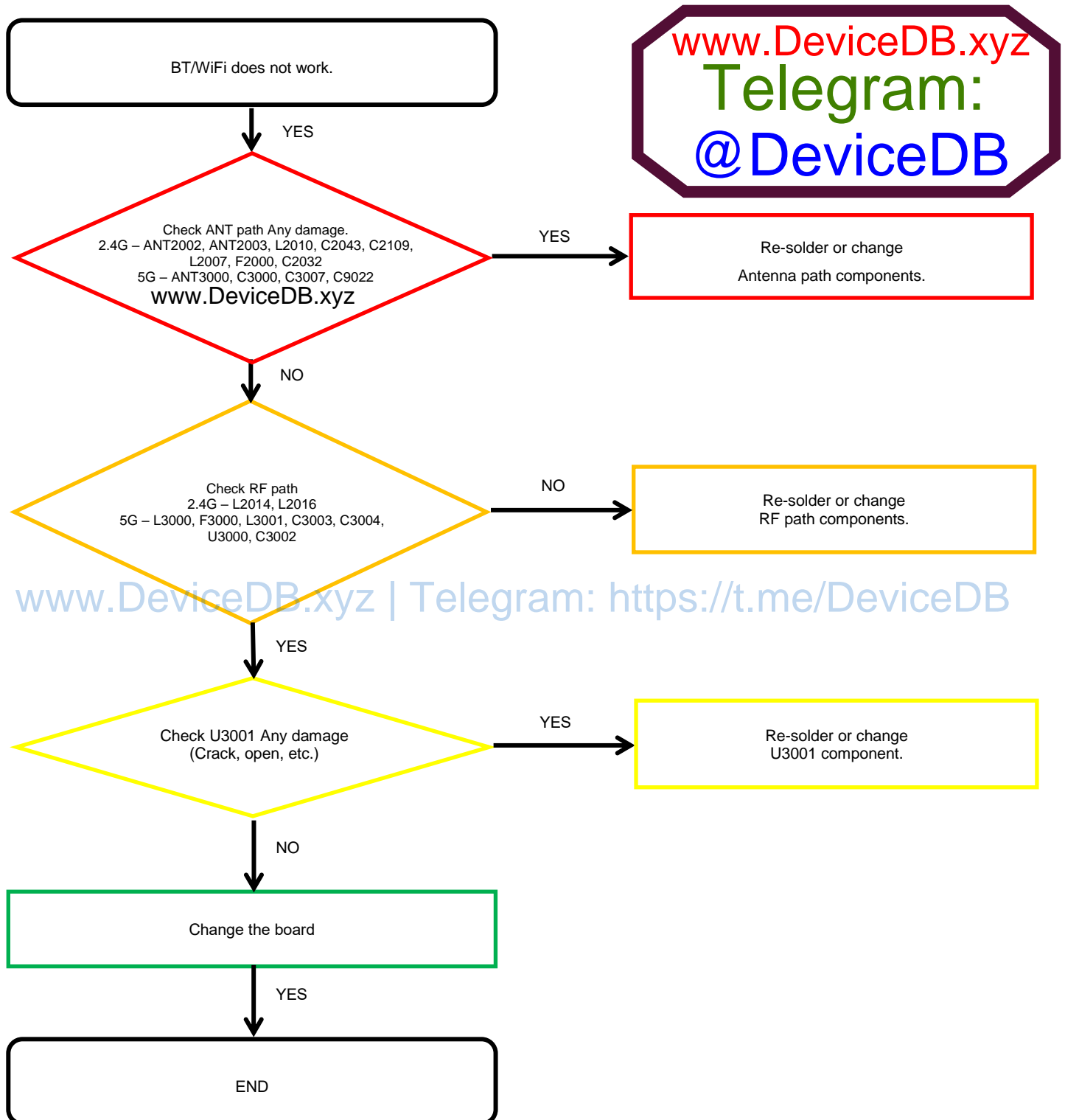
8. Level 3 Repair

8-4-11. Speaker Part - Top speaker



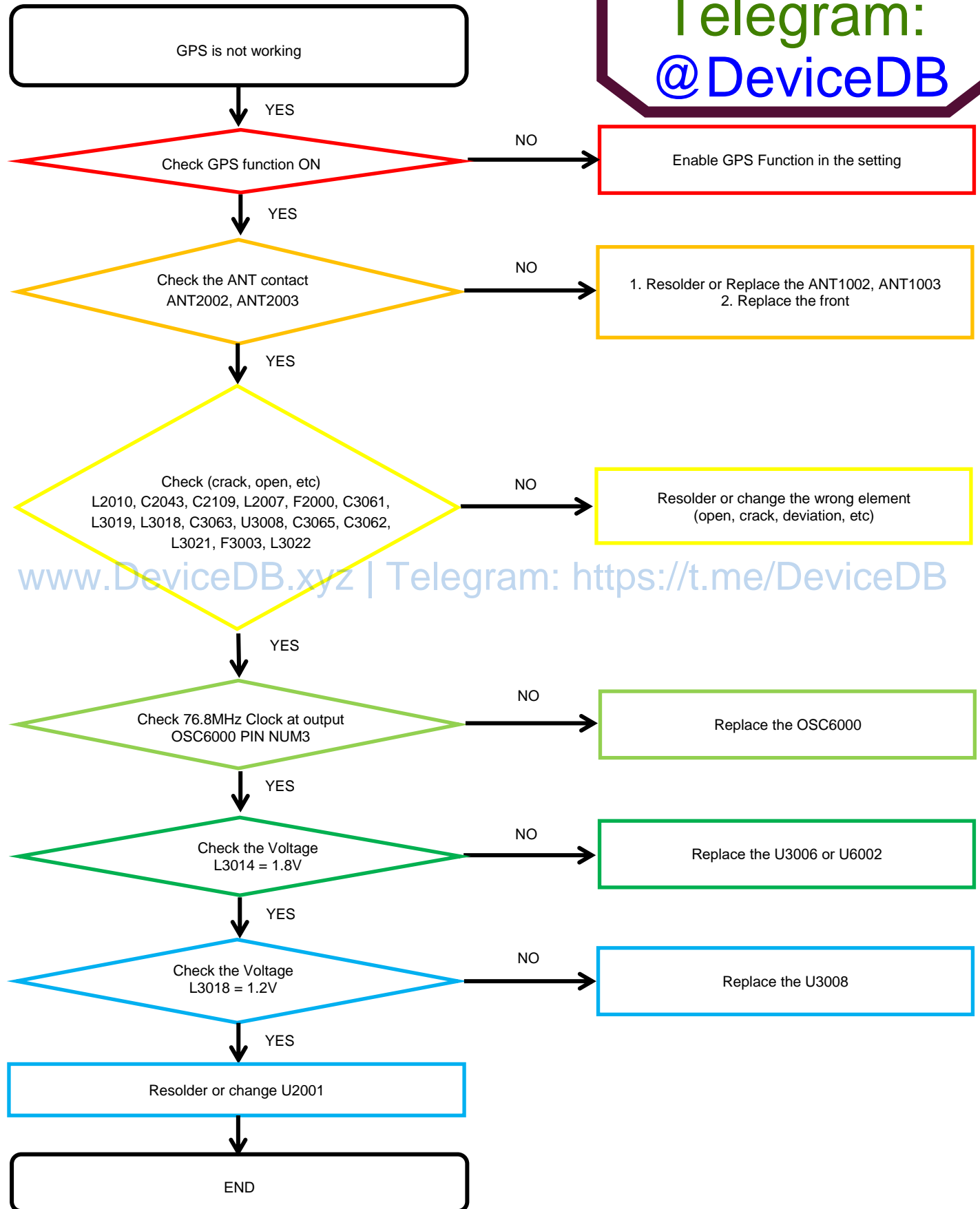
8. Level 3 Repair

8-4-12. BT/WIFI



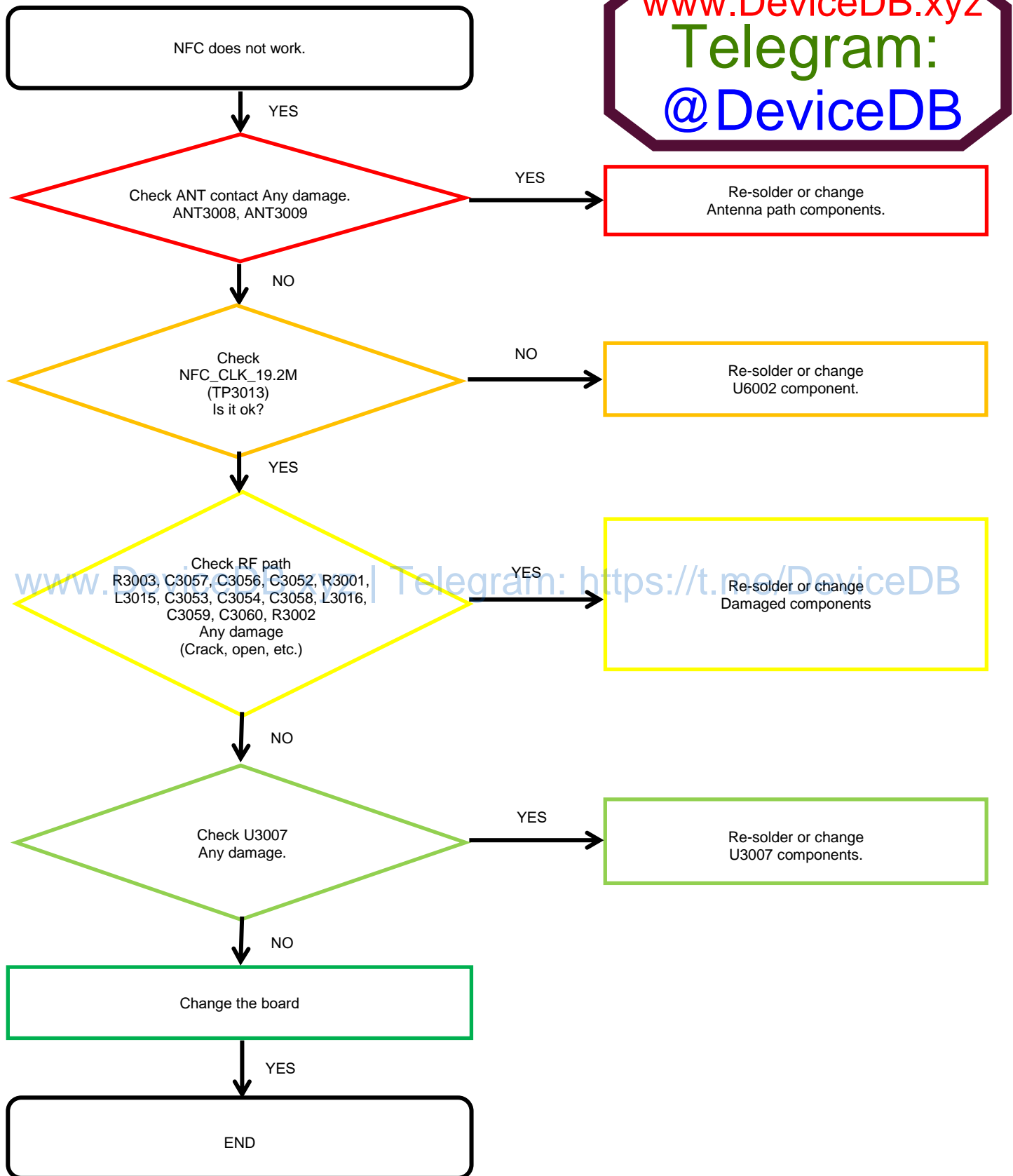
8. Level 3 Repair

8-4-13. GPS



8. Level 3 Repair

8-4-14. NFC

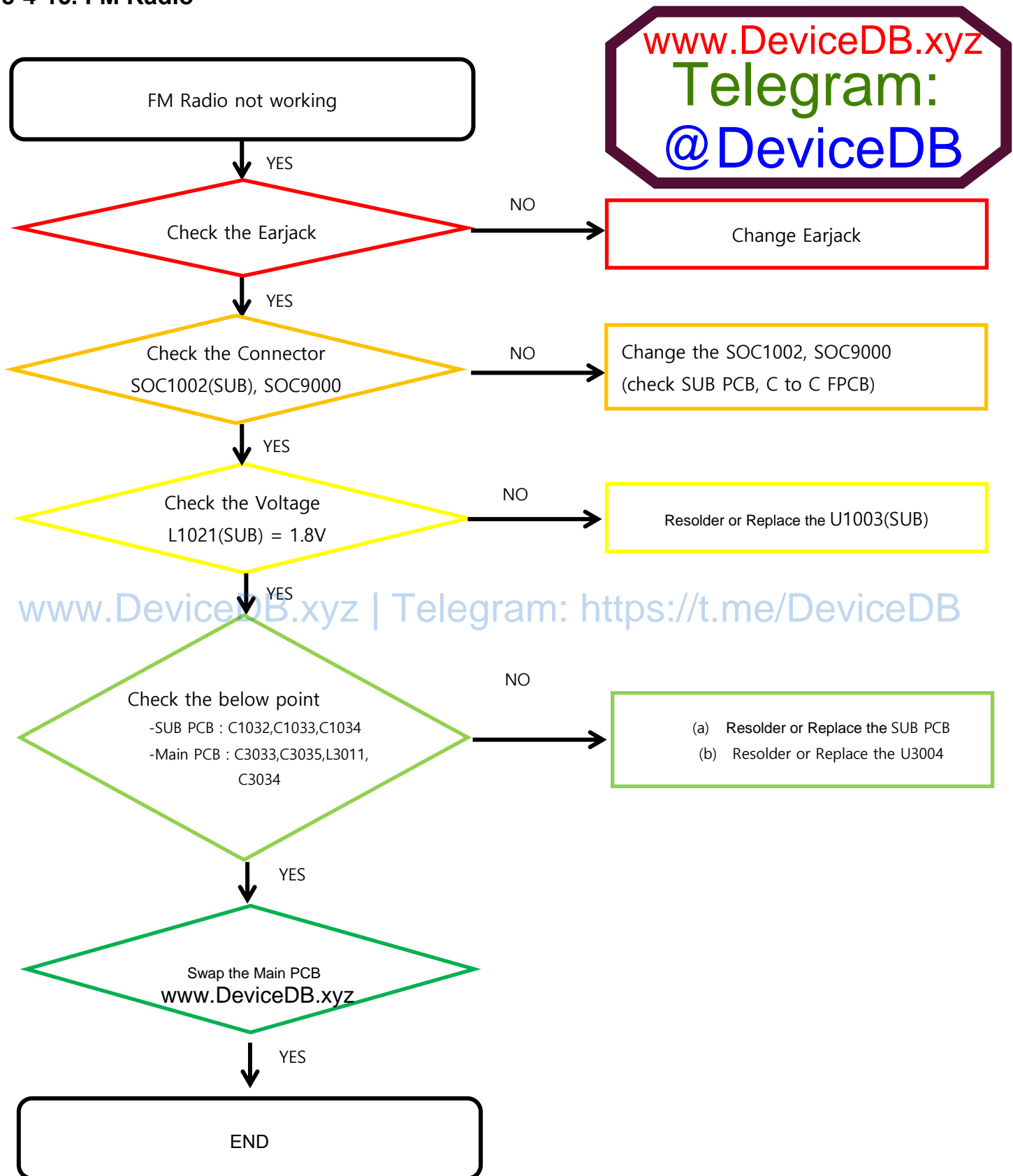


www.DeviceDB.xyz
Telegram:
@DeviceDB

[Telegram: https://t.me/DeviceDB](https://t.me/DeviceDB)

8. Level 3 Repair

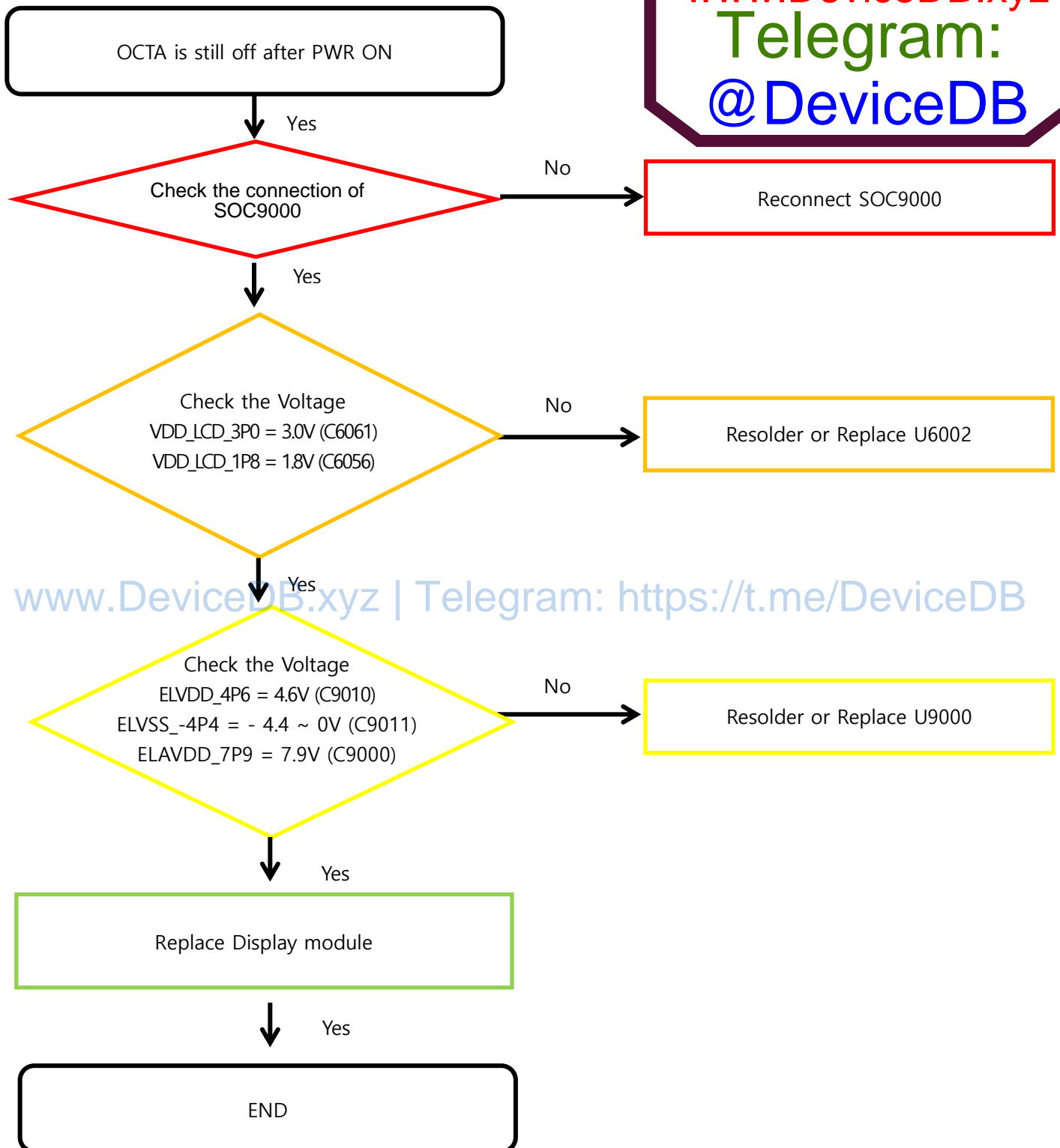
8-4-15. FM Radio



8. Level 3 Repair

8-4-16. Display

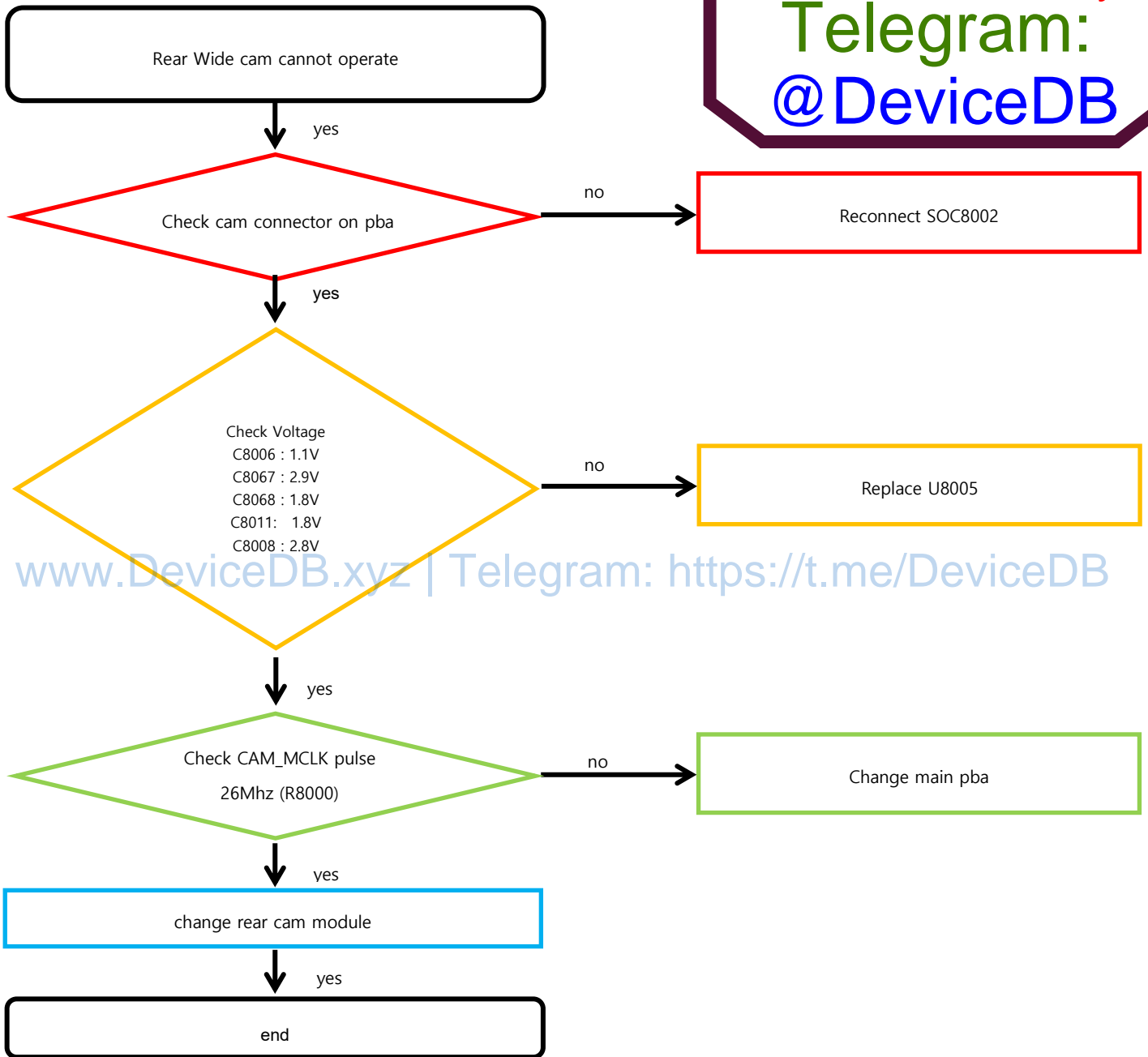
www.DeviceDB.xyz
Telegram:
@DeviceDB



www.DeviceDB.xyz | Telegram: <https://t.me/DeviceDB>

8. Level 3 Repair

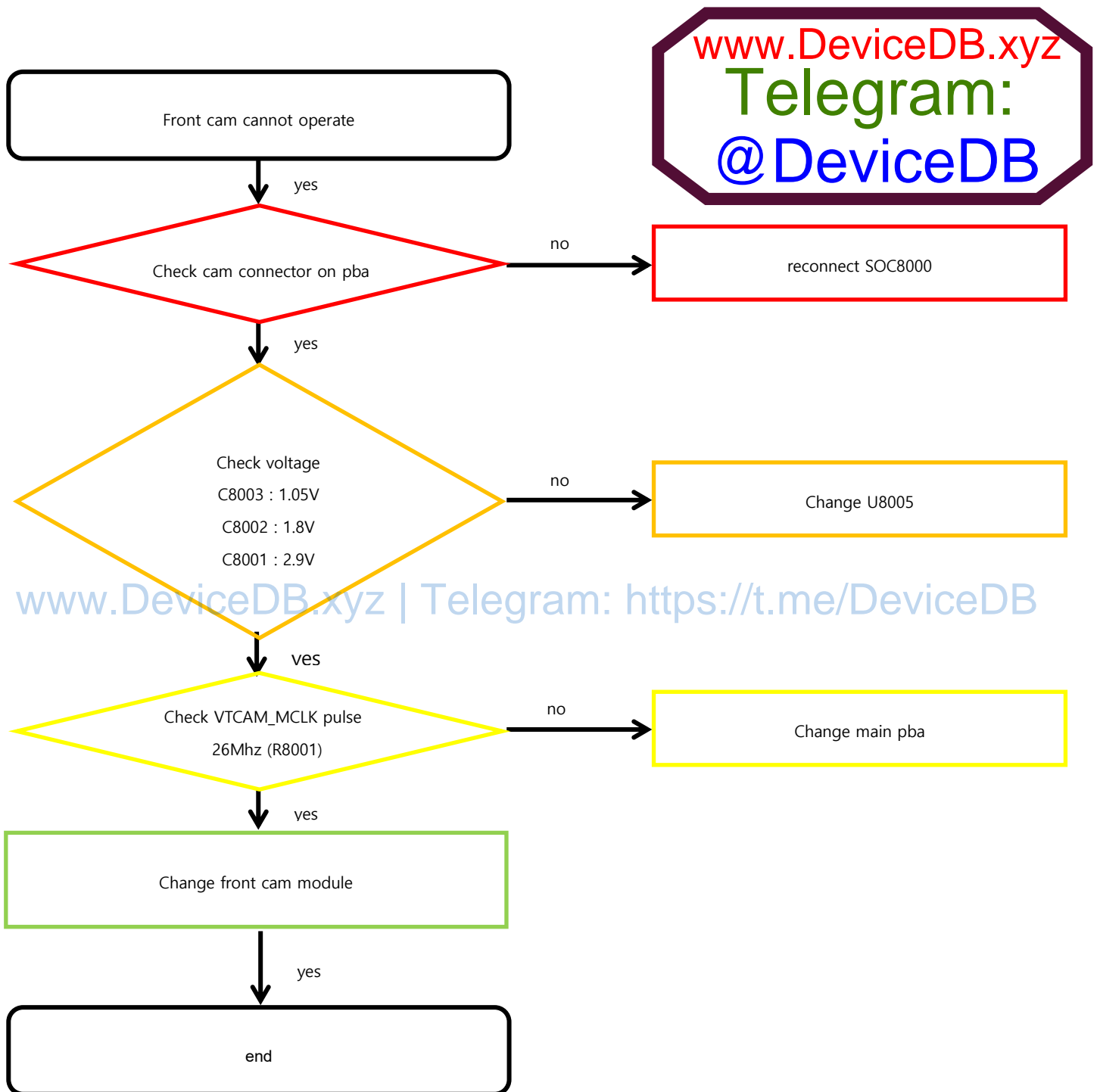
8-4-17. Rear CAMERA (64M)



www.DeviceDB.xyz | Telegram: <https://t.me/DeviceDB>

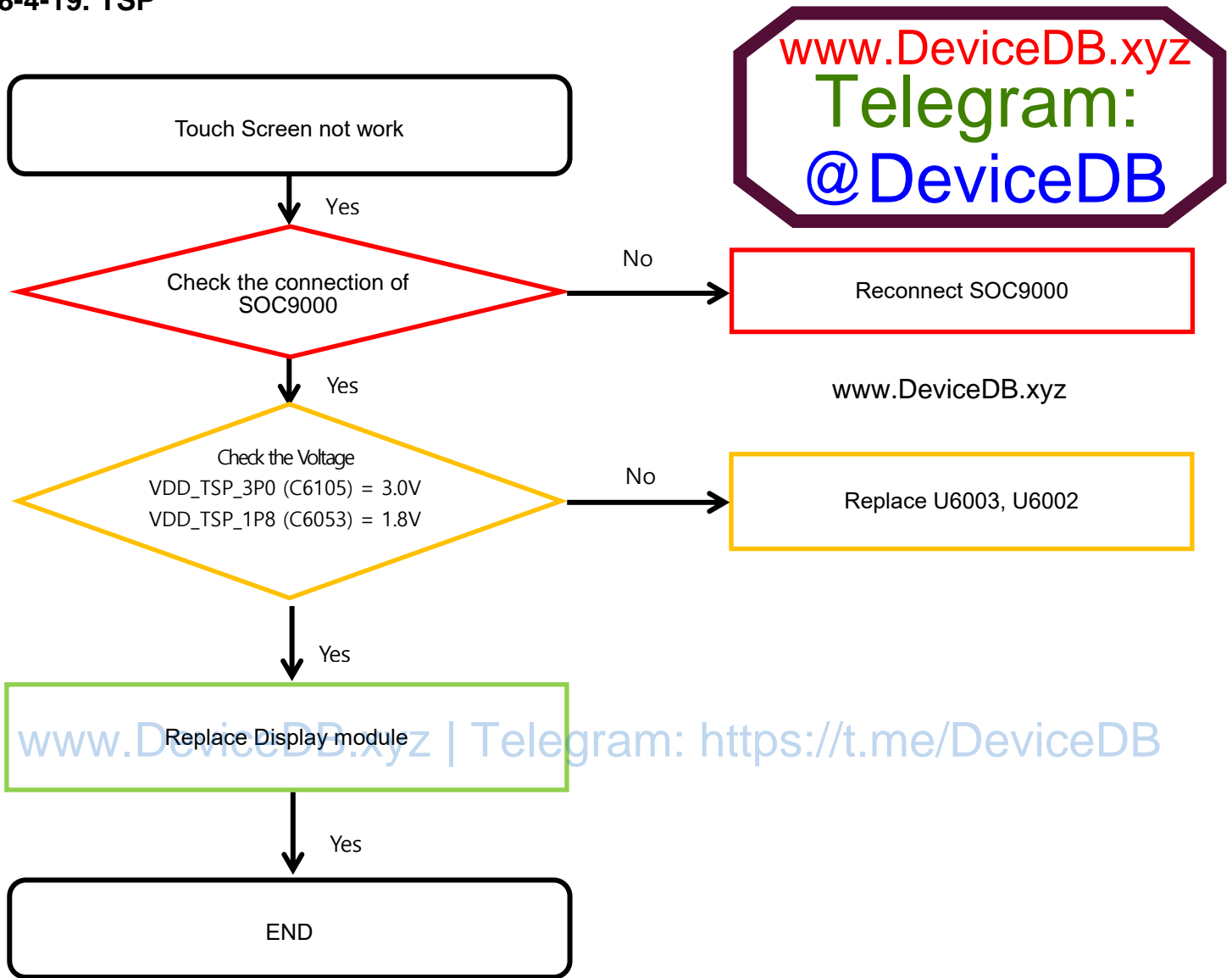
8. Level 3 Repair

8-4-18. Front Cam (32M)



8. Level 3 Repair

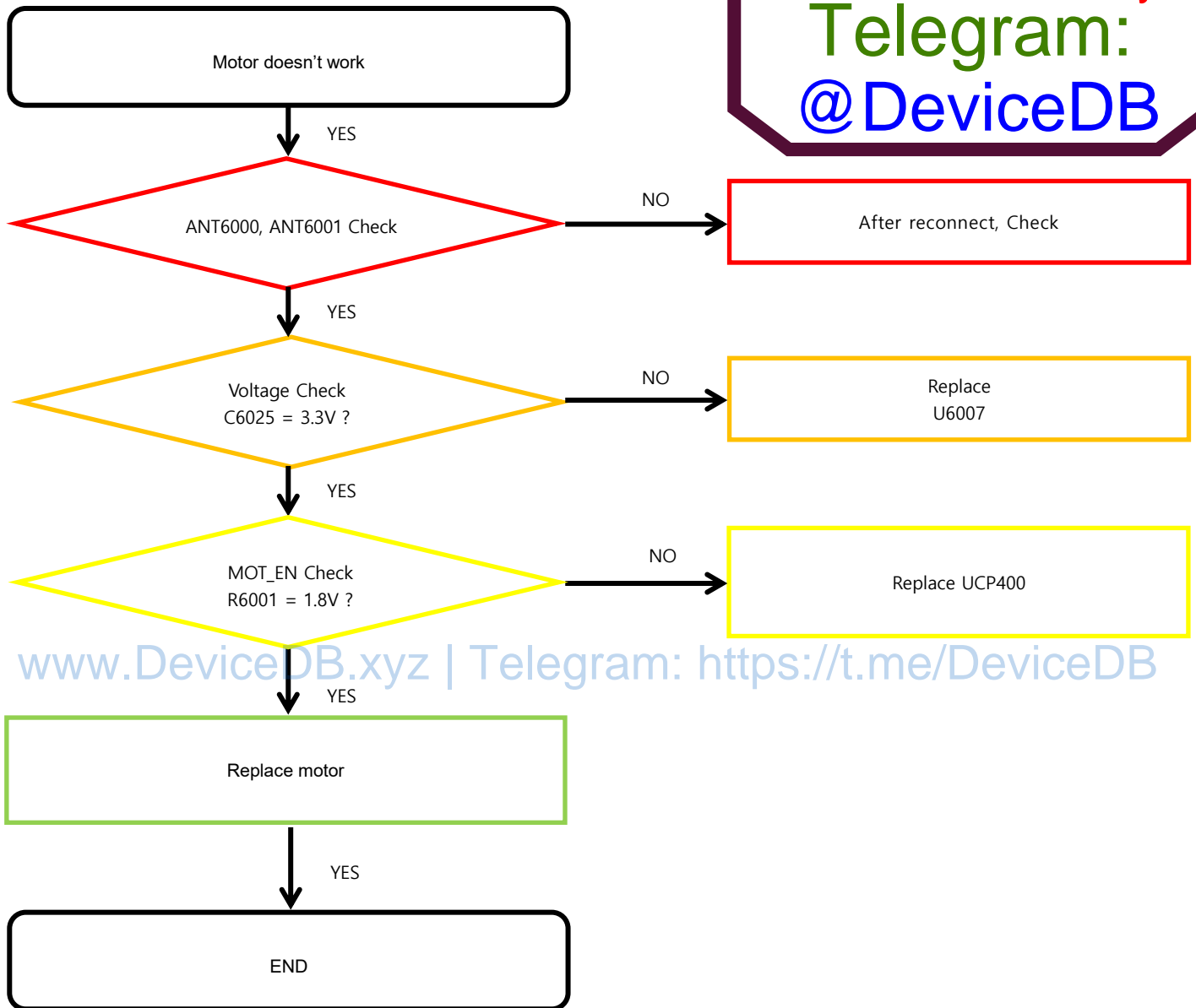
8-4-19. TSP



8. Level 3 Repair

8-4-20. Motor

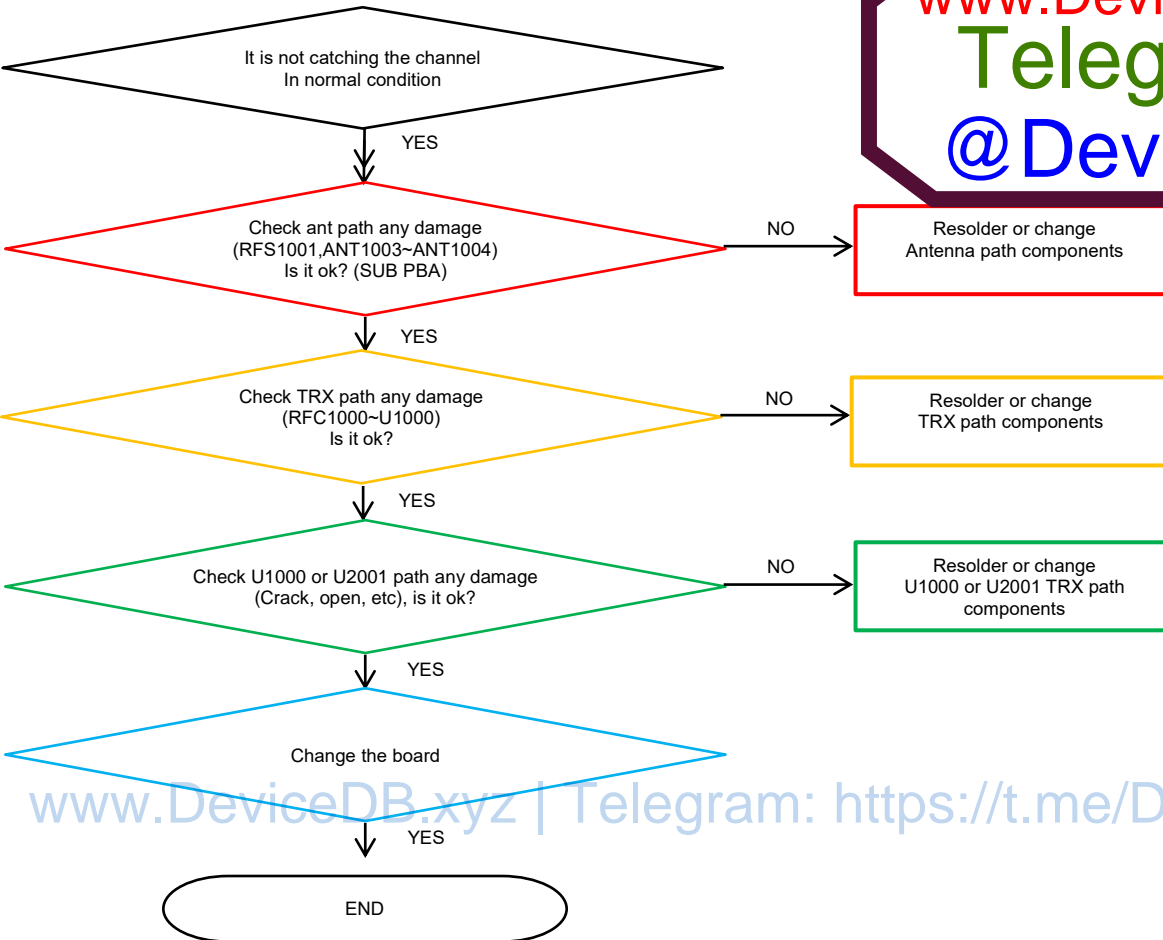
www.DeviceDB.xyz
Telegram:
@DeviceDB



www.DeviceDB.xyz | Telegram: <https://t.me/DeviceDB>

8. Level 3 Repair

8-4-21. GSM850/900, WCDMA B5/8, LTE B5/8/12/17/20/26/28 TRX

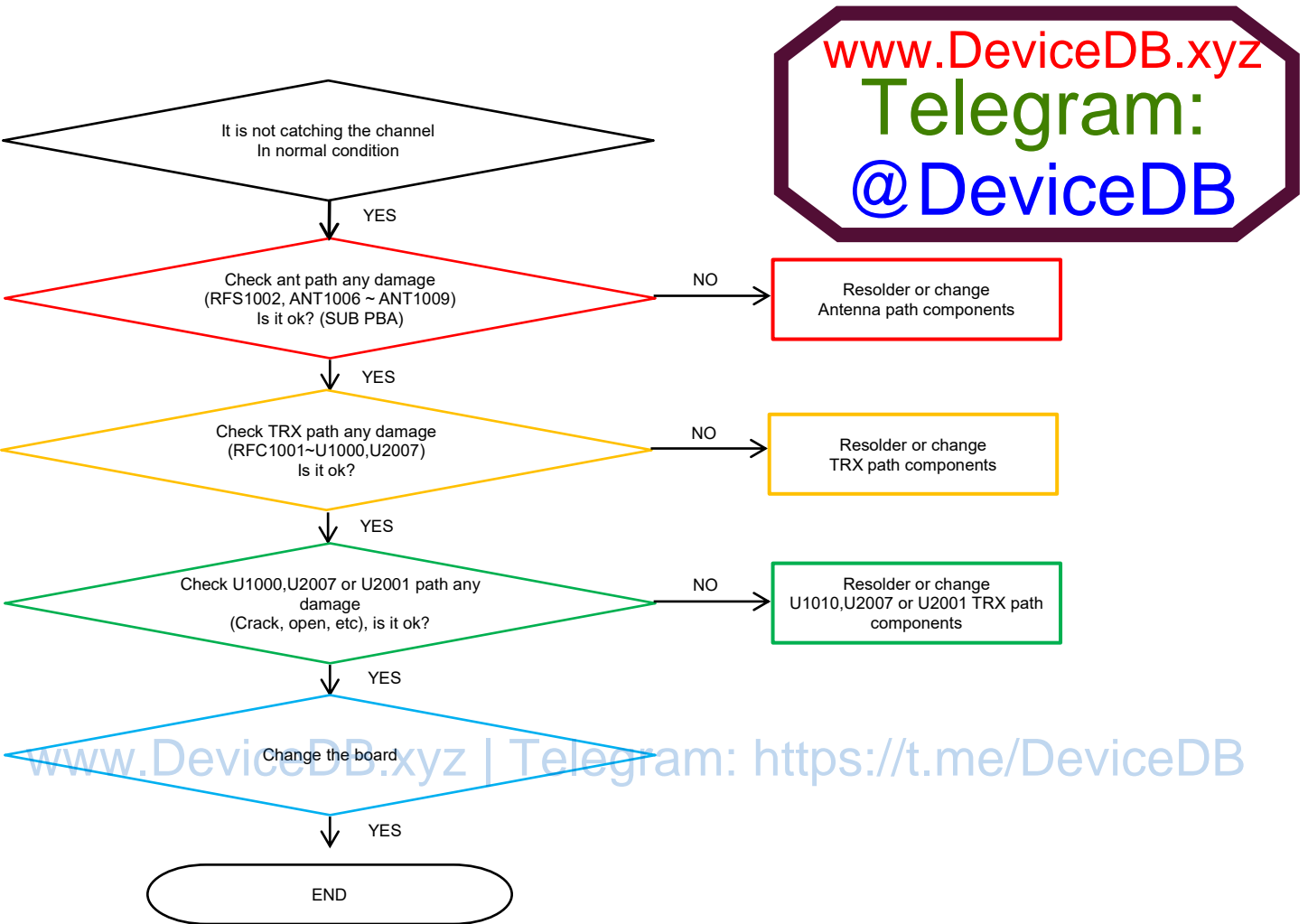


www.DeviceDB.xyz
Telegram:
@DeviceDB

www.DeviceDB.xyz | Telegram: <https://t.me/DeviceDB>

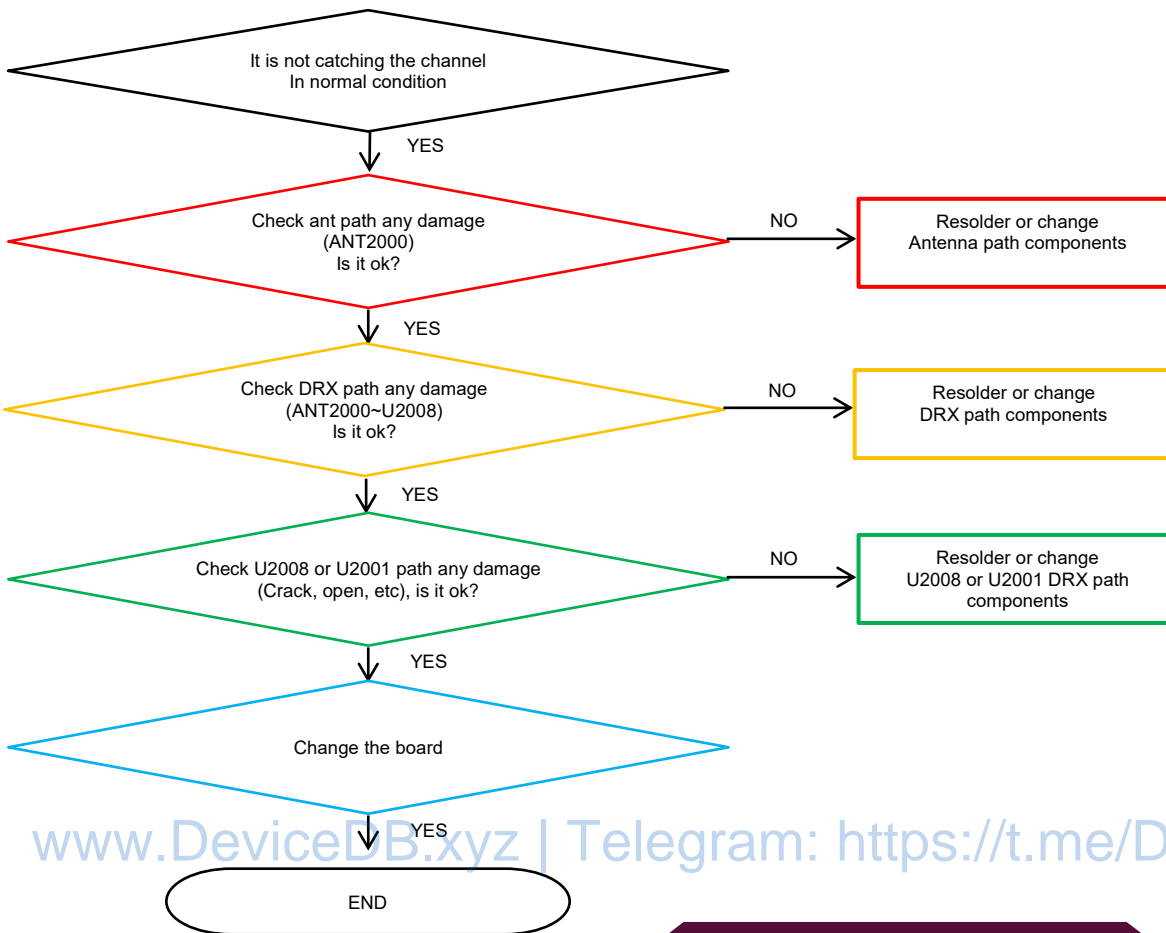
8. Level 3 Repair

8-4-22. GSM DCS/PCS, WCDMA B1/2/4, LTE B1/2/3/4/7/32/38/40/41/66 TRX



8. Level 3 Repair

8-4-23-1. GSM850/900, WCDMA B5/8, LTE B5/8/12/17/20/26/28 DRX [SM-A525F]

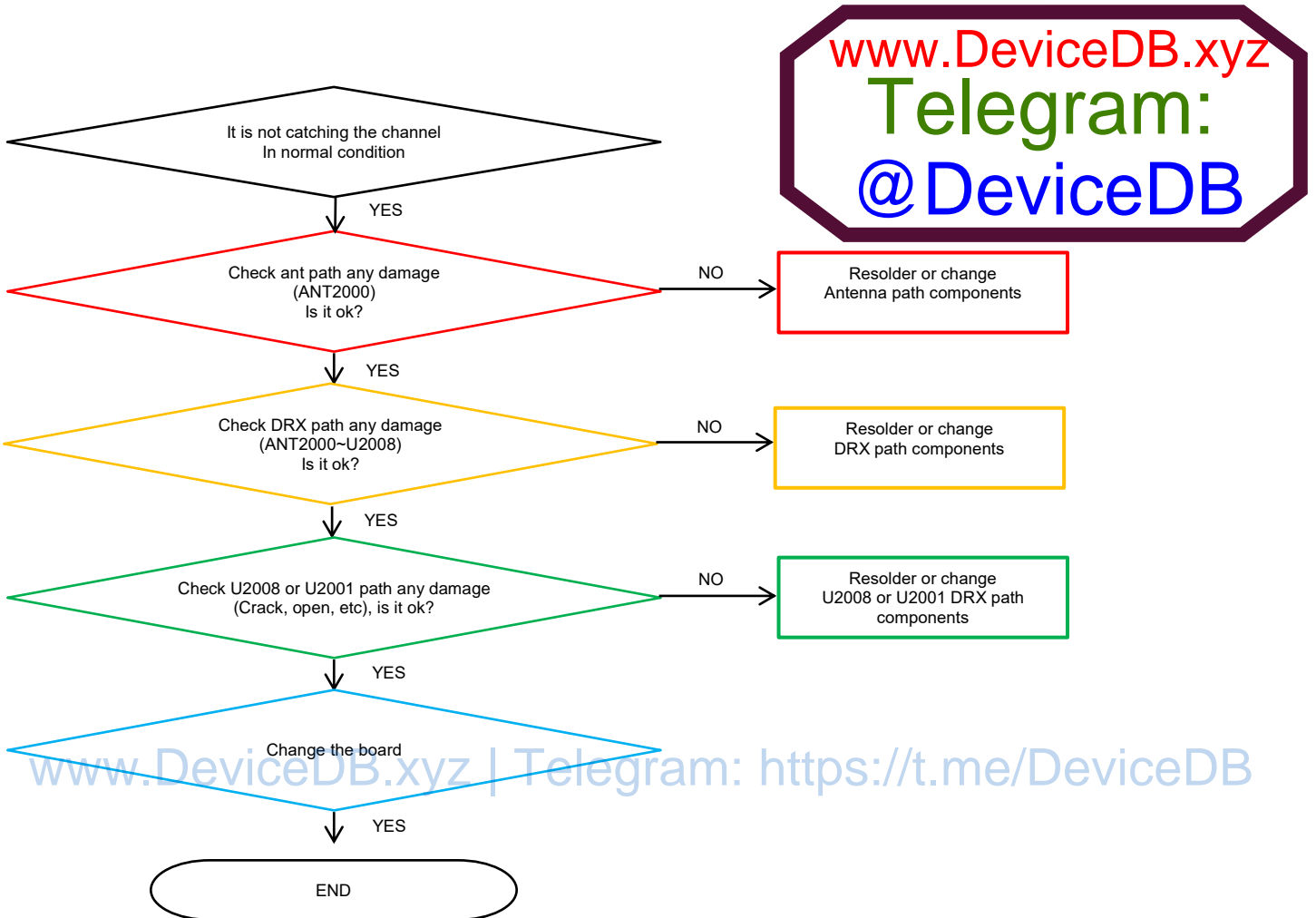


www.DeviceDB.xyz | Telegram: <https://t.me/DeviceDB>

www.DeviceDB.xyz
Telegram:
@DeviceDB

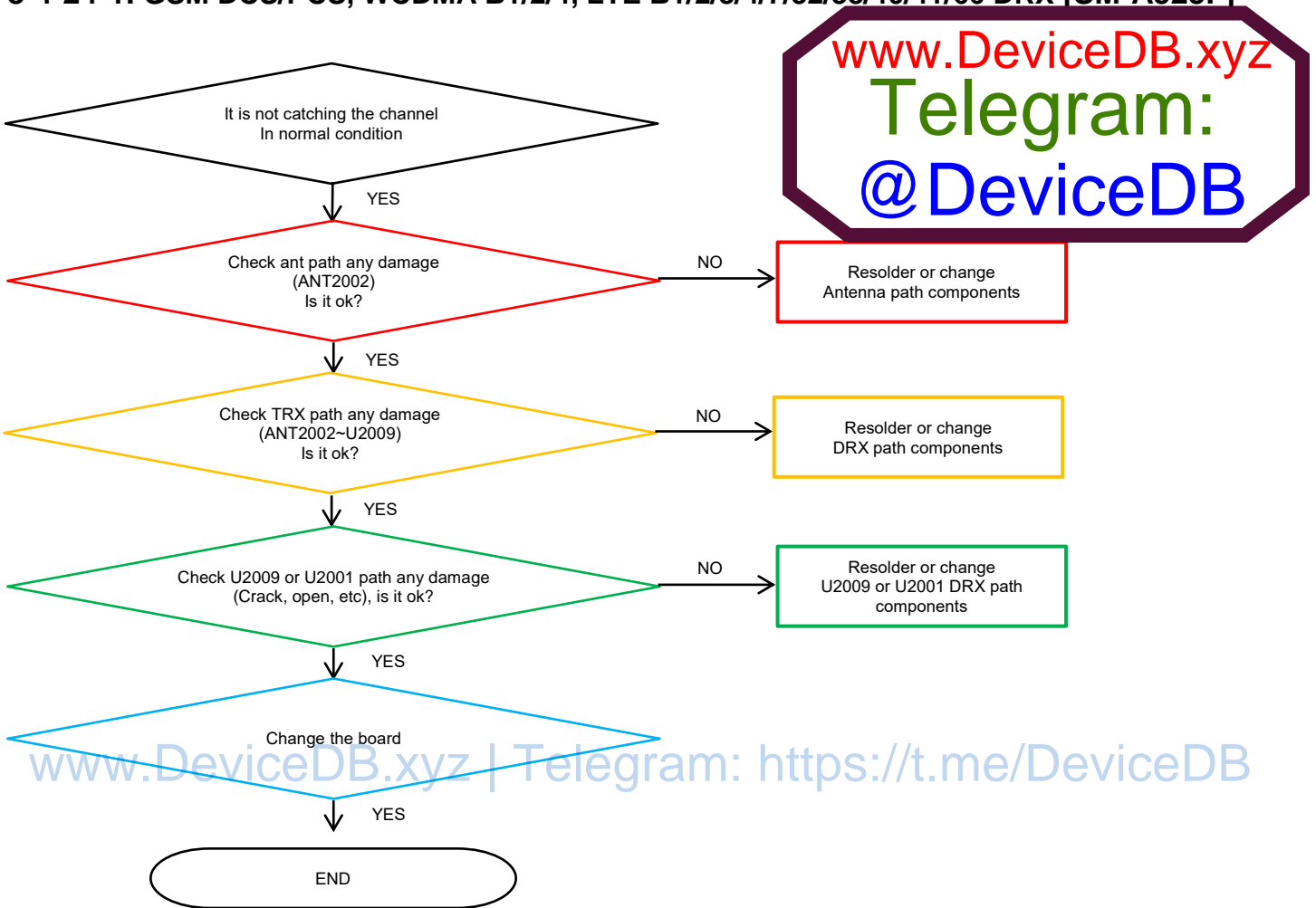
8. Level 3 Repair

8-4-23-2. GSM850/900, WCDMA B5/8, LTE B5/8/12/13/17/20/26/28 DRX [SM-A525M]



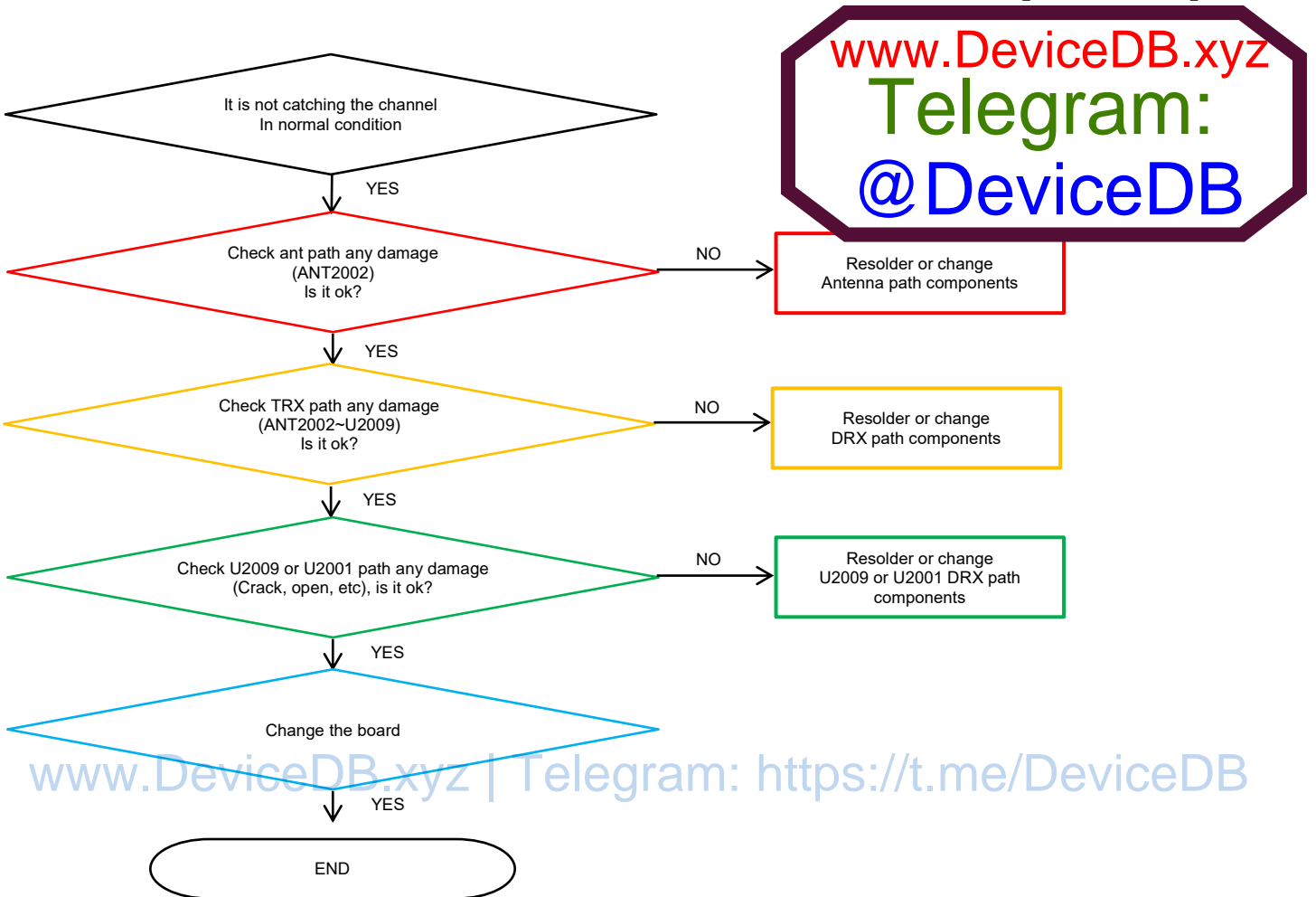
8. Level 3 Repair

8-4-24-1. GSM DCS/PCS, WCDMA B1/2/4, LTE B1/2/3/4/7/32/38/40/41/66 DRX [SM-A525F]



8. Level 3 Repair

8-4-24-2. GSM DCS/PCS, WCDMA B1/2/4, LTE B1/2/3/4/7/38/40/41/66 DRX [SM-A525M]



1. RU

<https://DeviceDB.xyz> -

- FAQ,

- , (,)
- , ,
- .

ПОДПИСЫВАЙТЕСЬ И БУДЕТЕ ВСЕГДА В КУРСЕ НОВЫХ МАТЕРИАЛОВ

1. **TELEGRAM @DeviceDB** - <https://t.me/DeviceDB>

2. **Vkontakte** - <https://vk.com/devicedb>

3. **Instagram** - https://www.instagram.com/site_devicedb.xyz/

4. **FaceBook** - <https://www.facebook.com/groups/devicedb/>

5. **YouTube** -

<https://www.youtube.com/channel/UCzLTdb2cHTbEIPpvvy3arQ/>

Присоединяйтесь!!!

2.ENG

This file has been downloaded from <https://DeviceDB.xyz> - Device Database

- FAQ, user manual

- Reviews, reviews

- Technical documentation (schematic, service manual)

- Firmware, drivers, utilities for firmware

- and other reference information

For each device in one place.

SUBSCRIBE AND WILL ALWAYS BE IN THE COURSE OF NEW MATERIALS

1. **TELEGRAM @DeviceDB** - <https://t.me/DeviceDB>

2. **Vkontakte** - <https://vk.com/devicedb>

3. **Instagram** - https://www.instagram.com/site_devicedb.xyz/

4. **FaceBook** - <https://www.facebook.com/groups/devicedb/>

5. **YouTube** -

<https://www.youtube.com/channel/UCzLTdb2cHTbEIPpvvy3arQ/>

Join !!!