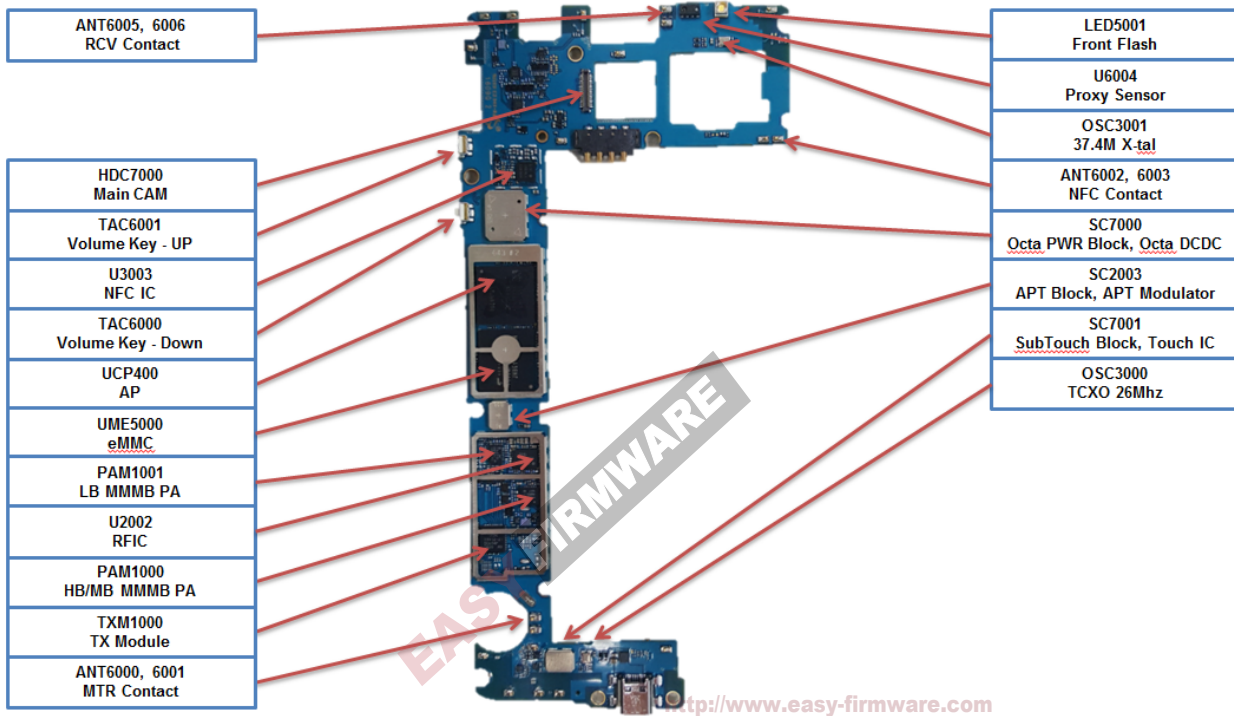


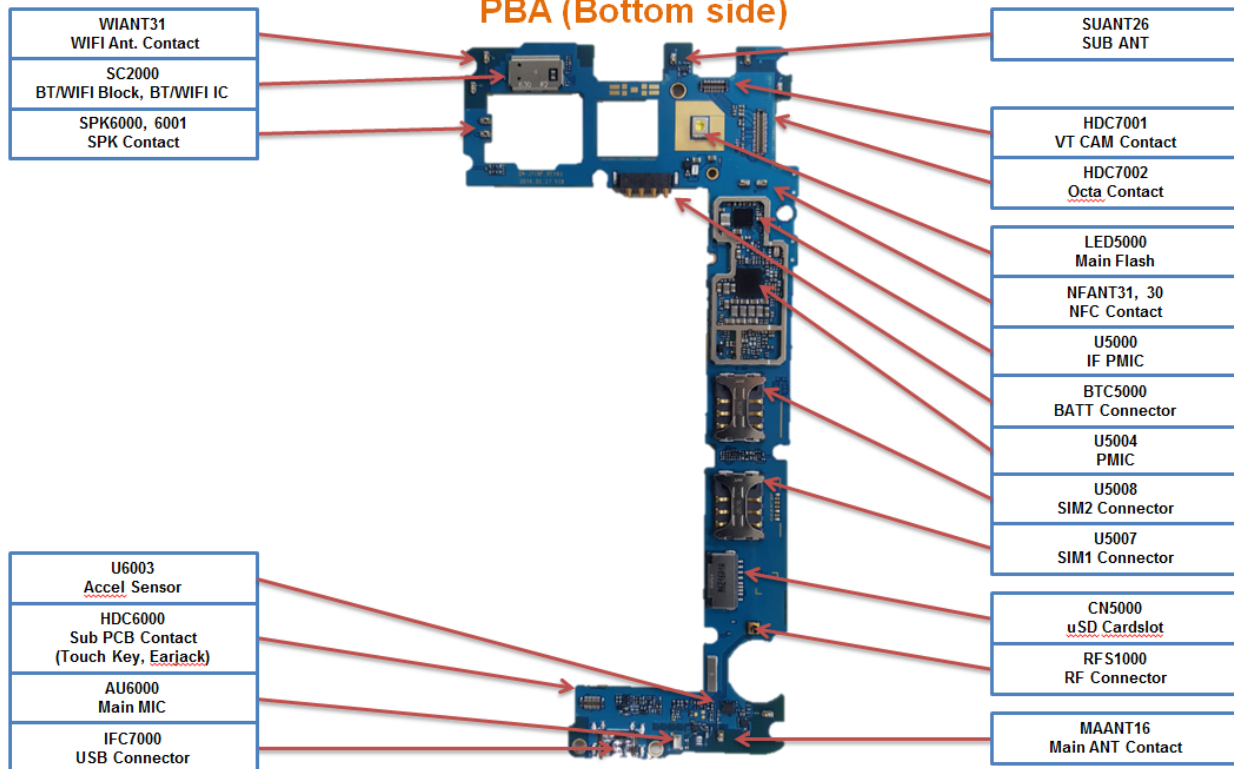
8. Level 3 Repair

8-1. Components Layout

PBA (Top side)

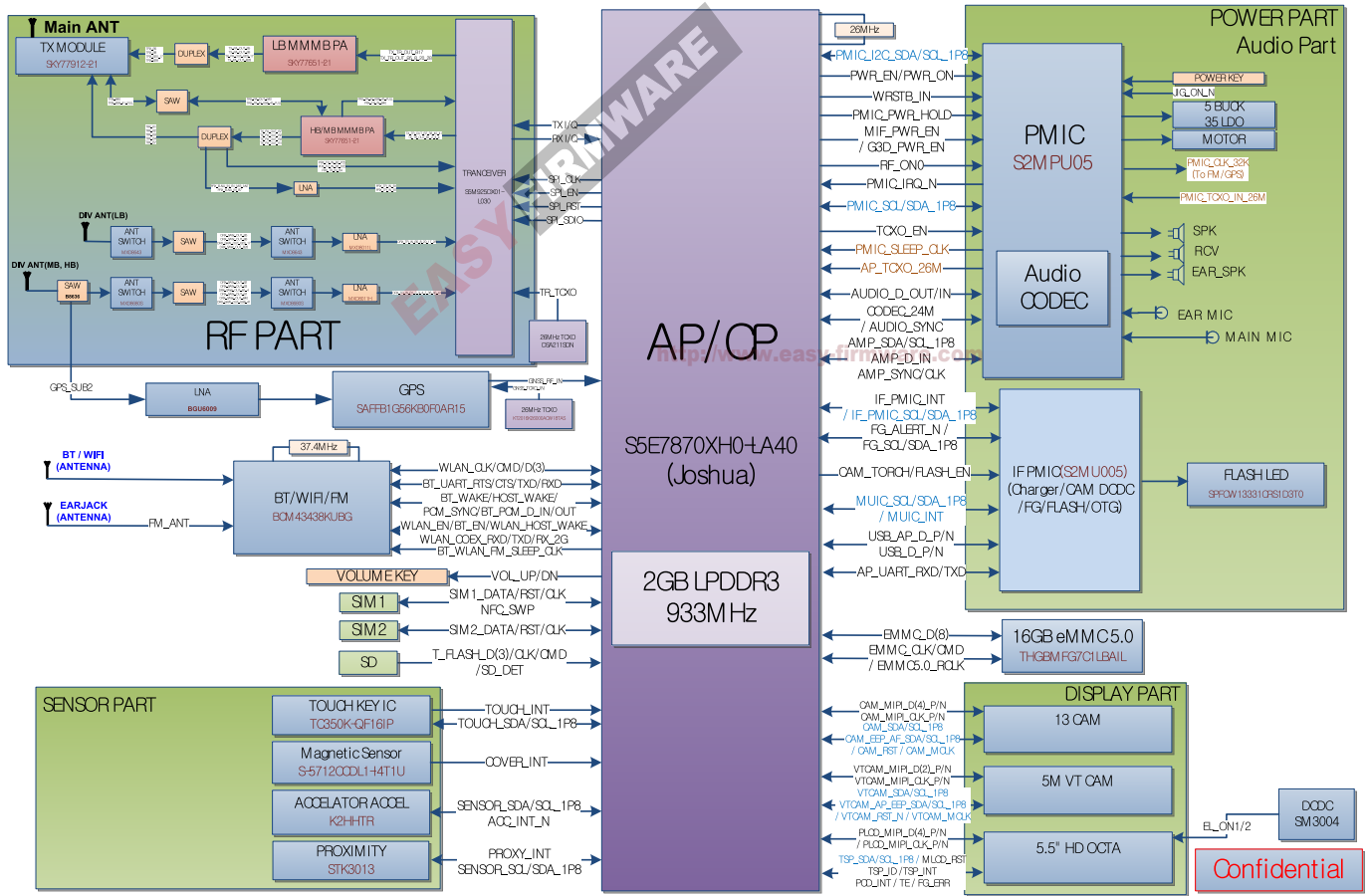


PBA (Bottom side)



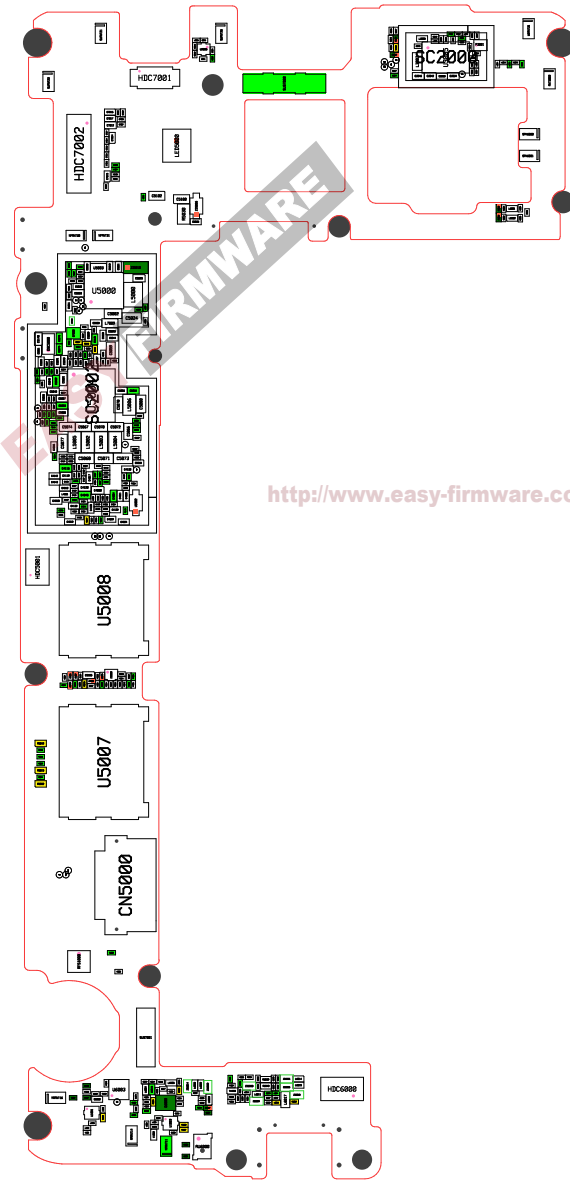
8. Level 3 Repair

8-2. Block Diagram



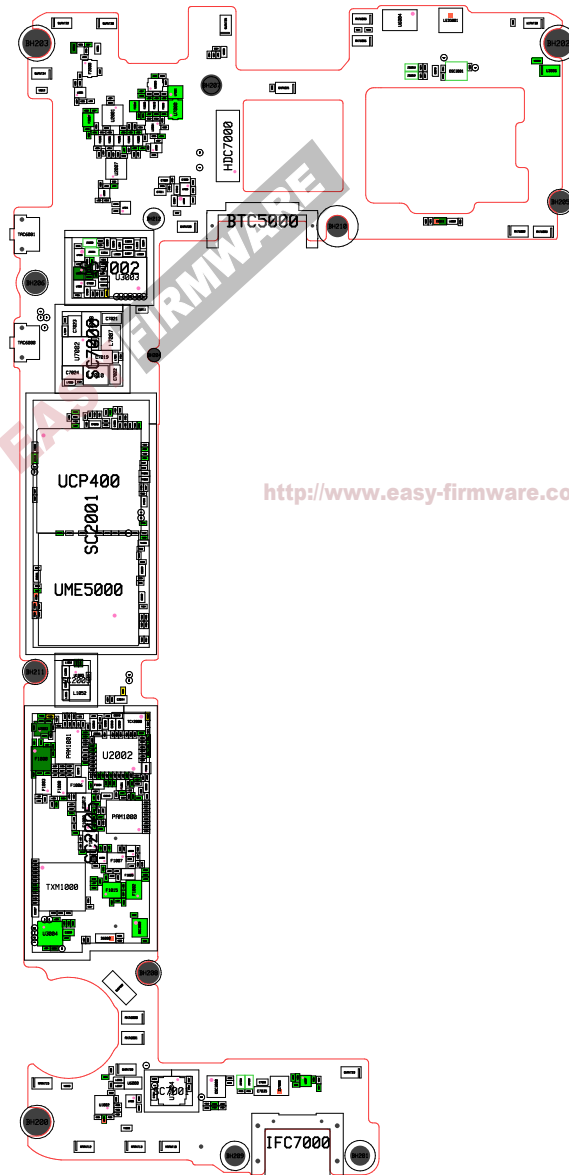
Confidential

8. Level 3 Repair



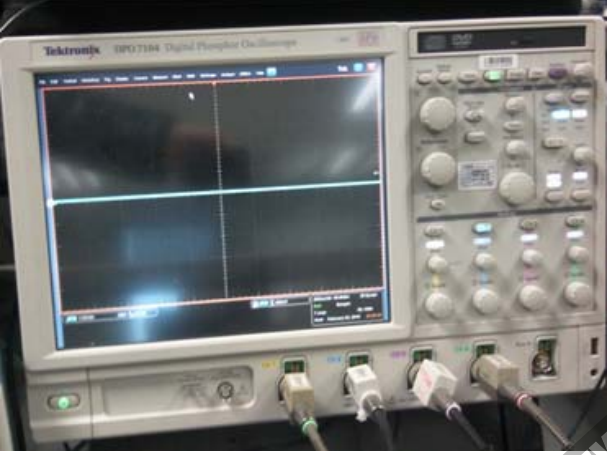



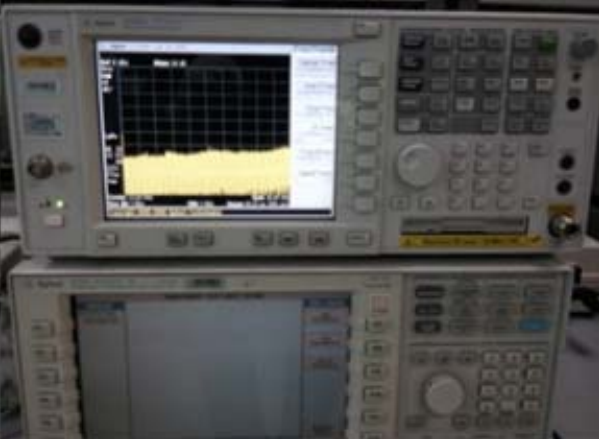

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8. Level 3 Repair



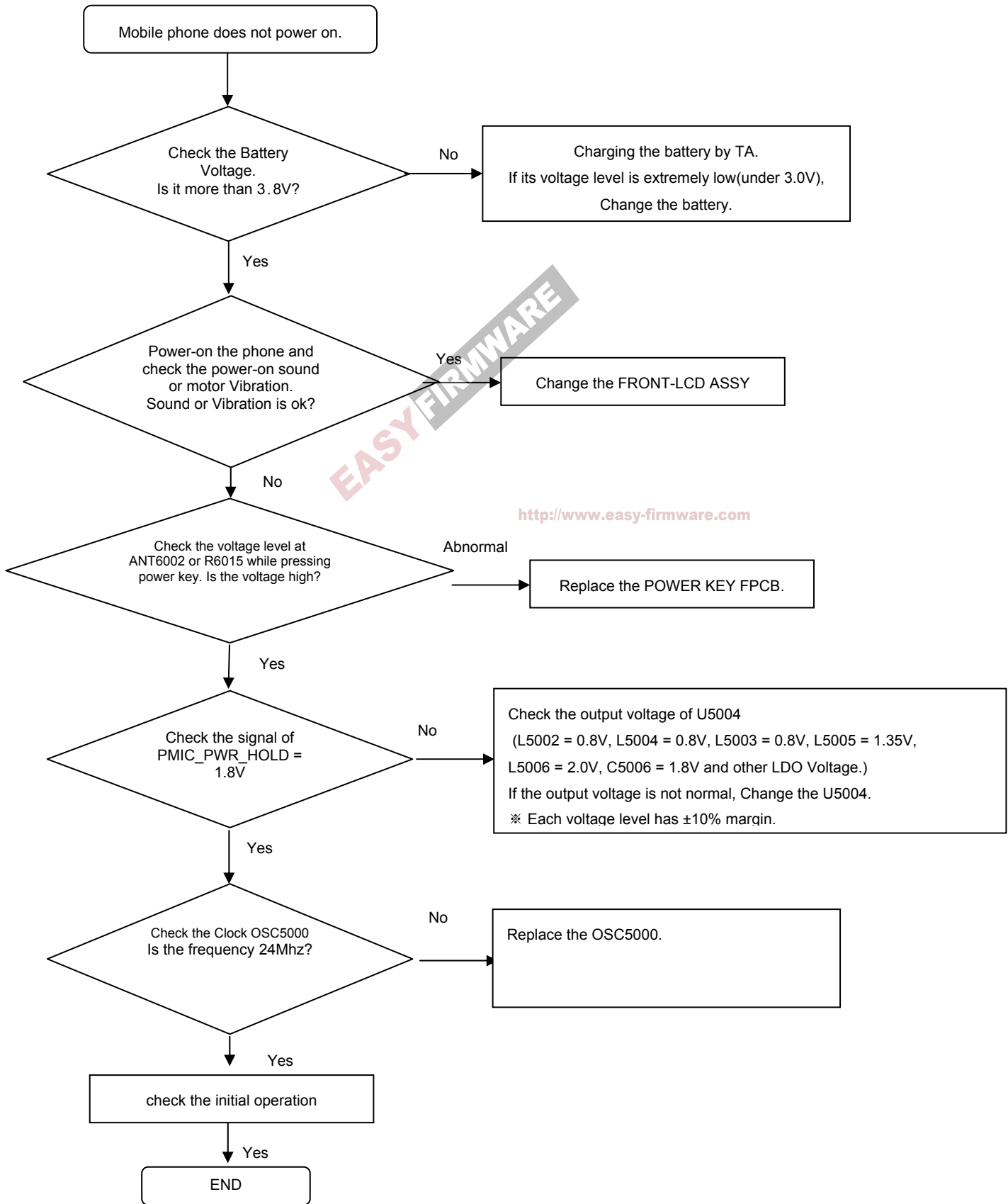
8. Level 3 Repair

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>

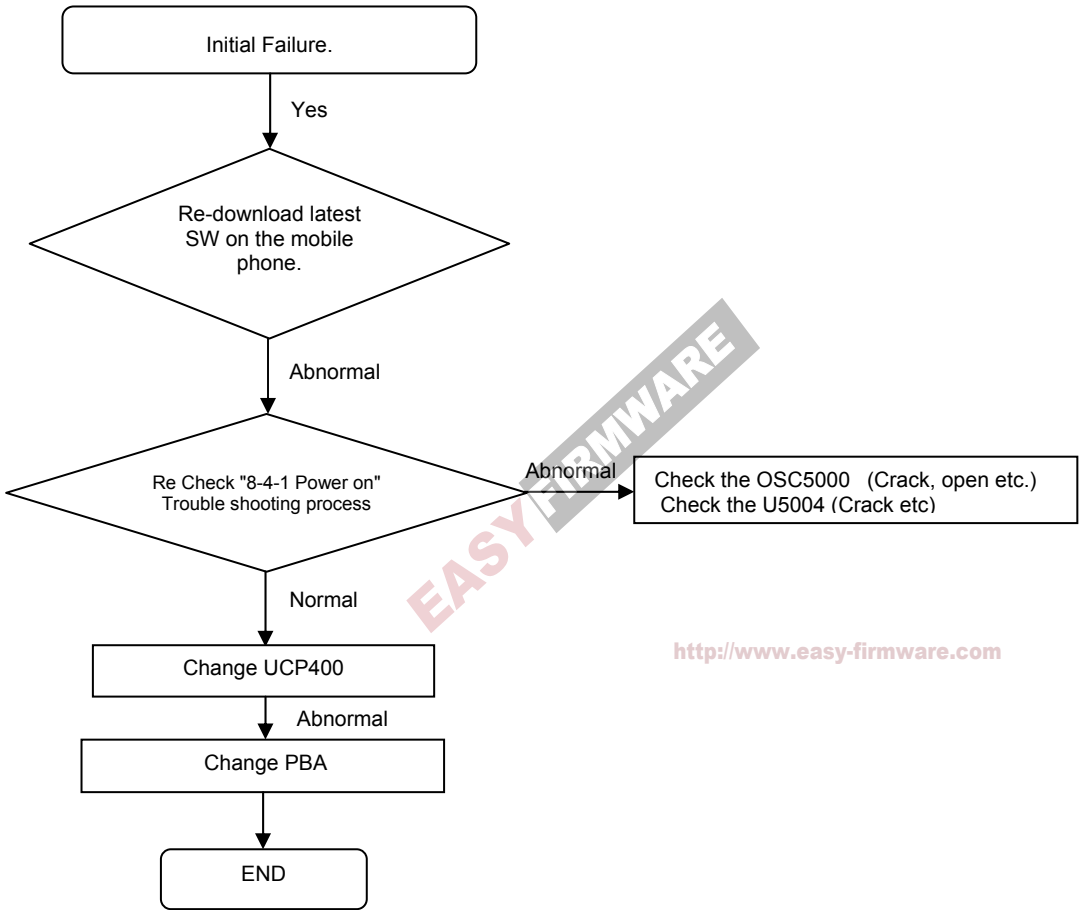
8. Level 3 Repair

8-4. Power On



8. Level 3 Repair

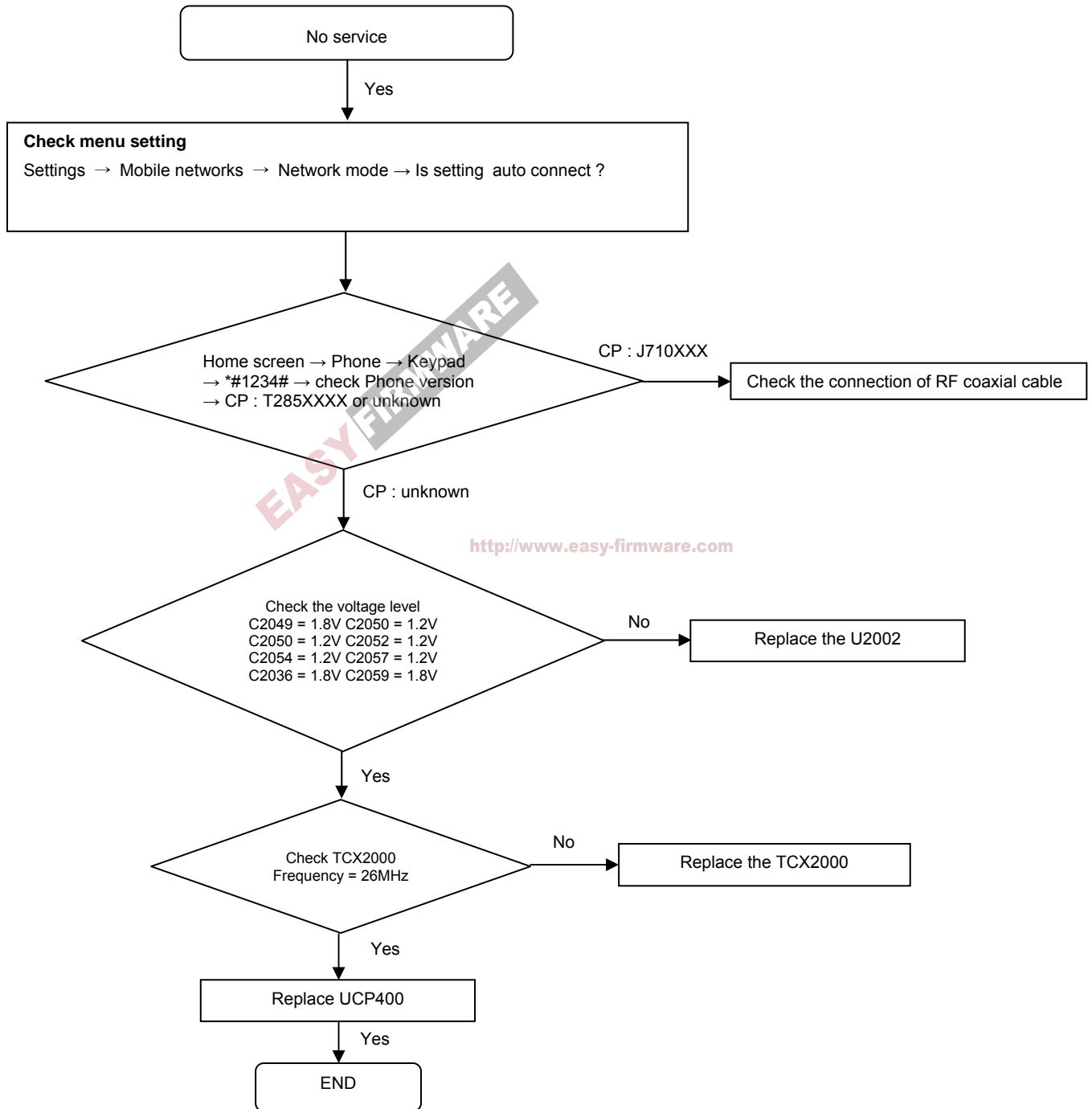
8-4-2. Initial



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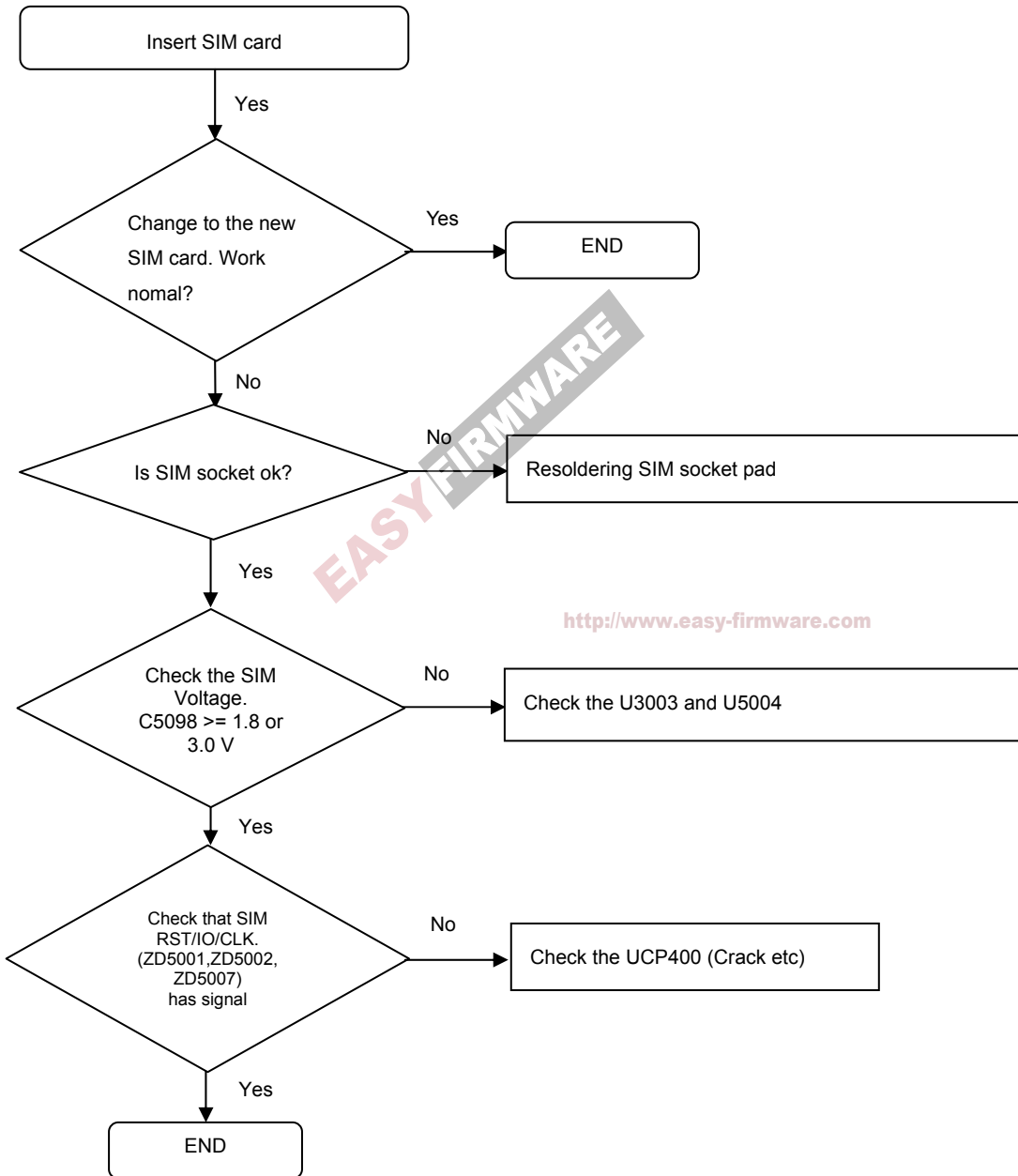
8. Level 3 Repair

8-4-3. No Service



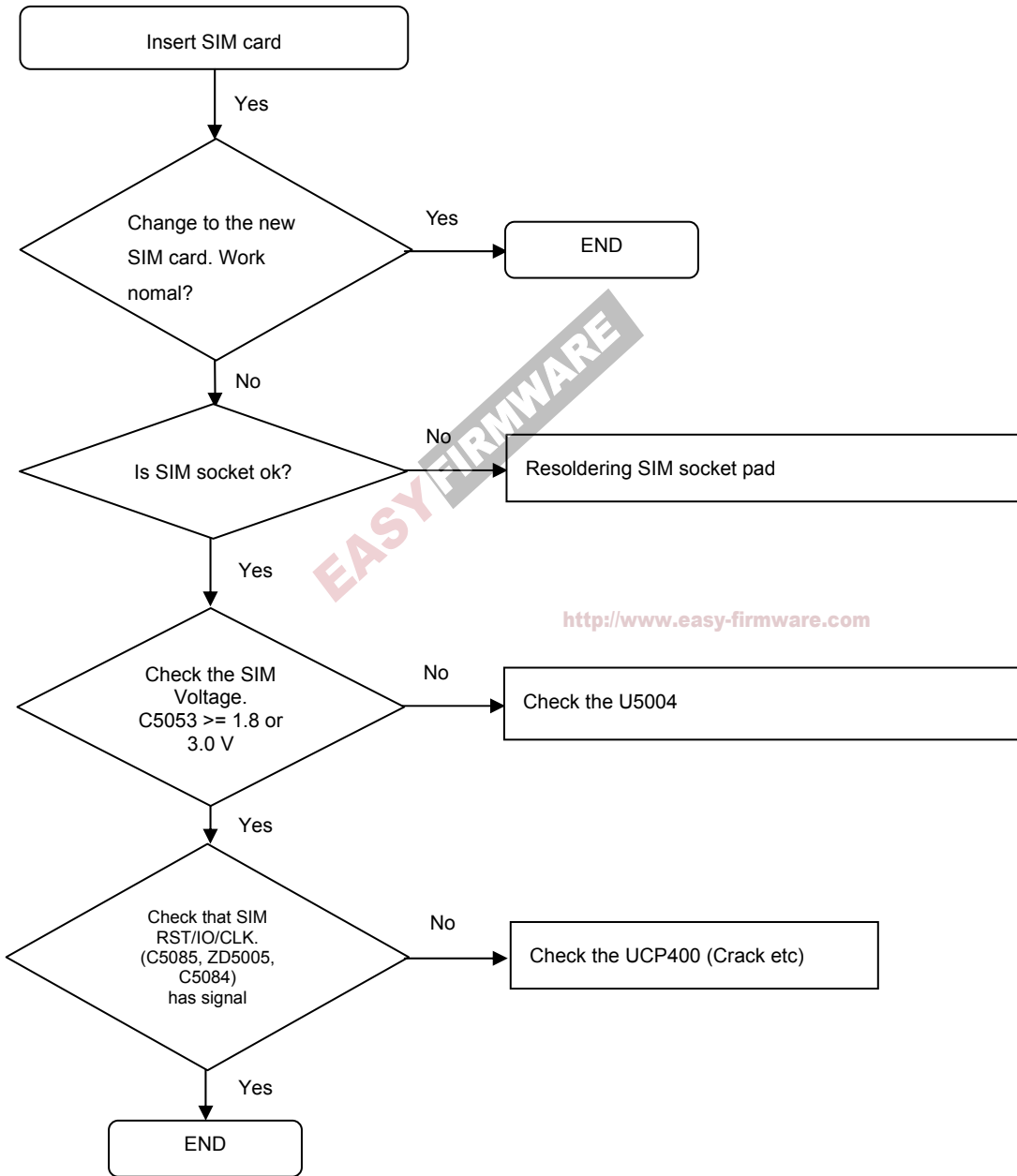
8. Level 3 Repair

8-4-4. Sim Part(SIM1)



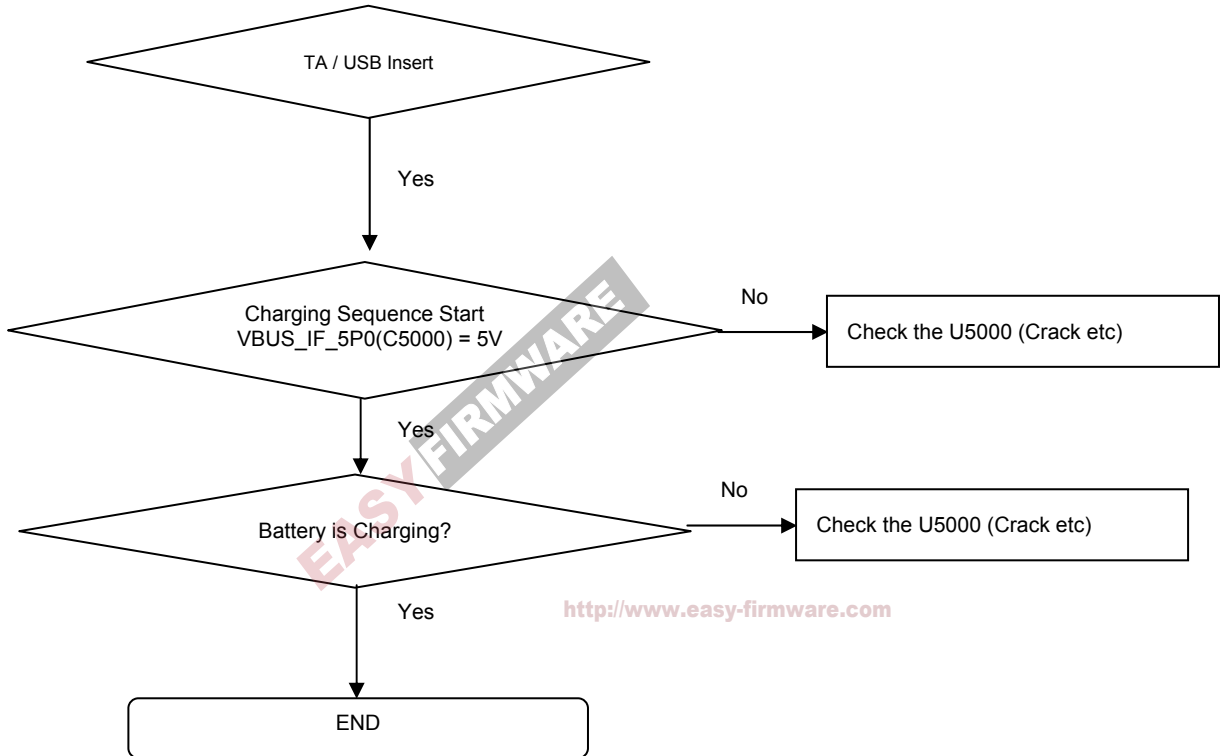
8. Level 3 Repair

8-4-4. Sim Part(SIM2)



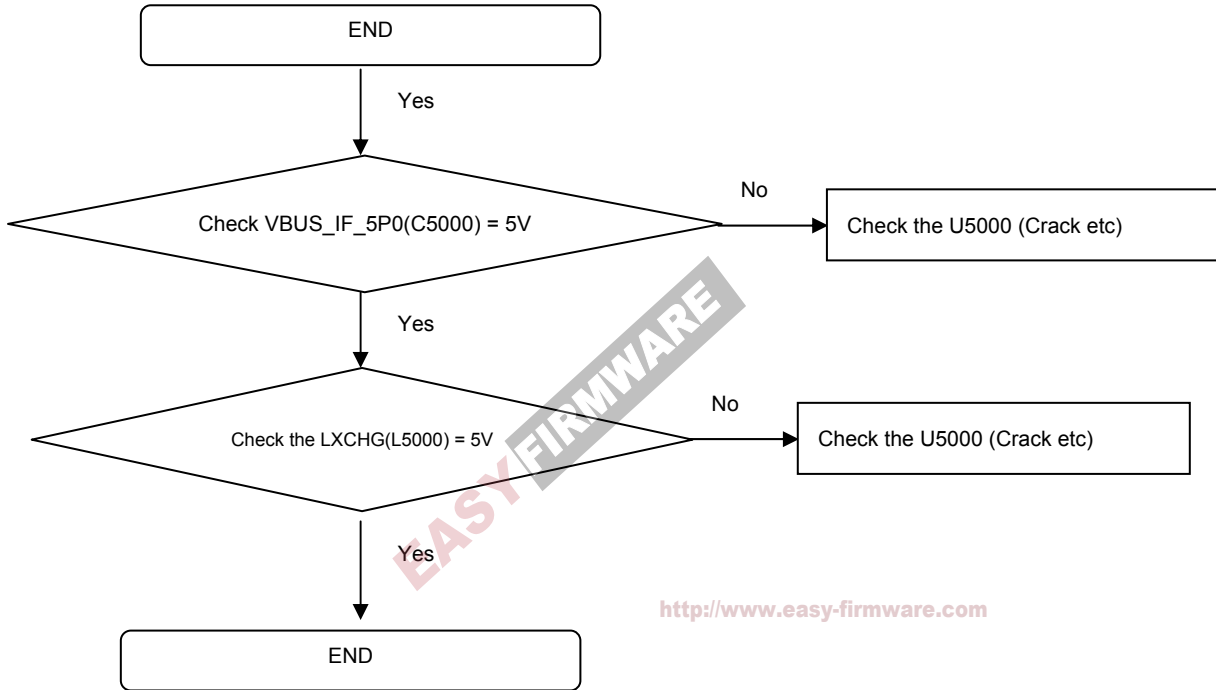
8. Level 3 Repair

8-4-5. Charging Part



8. Level 3 Repair

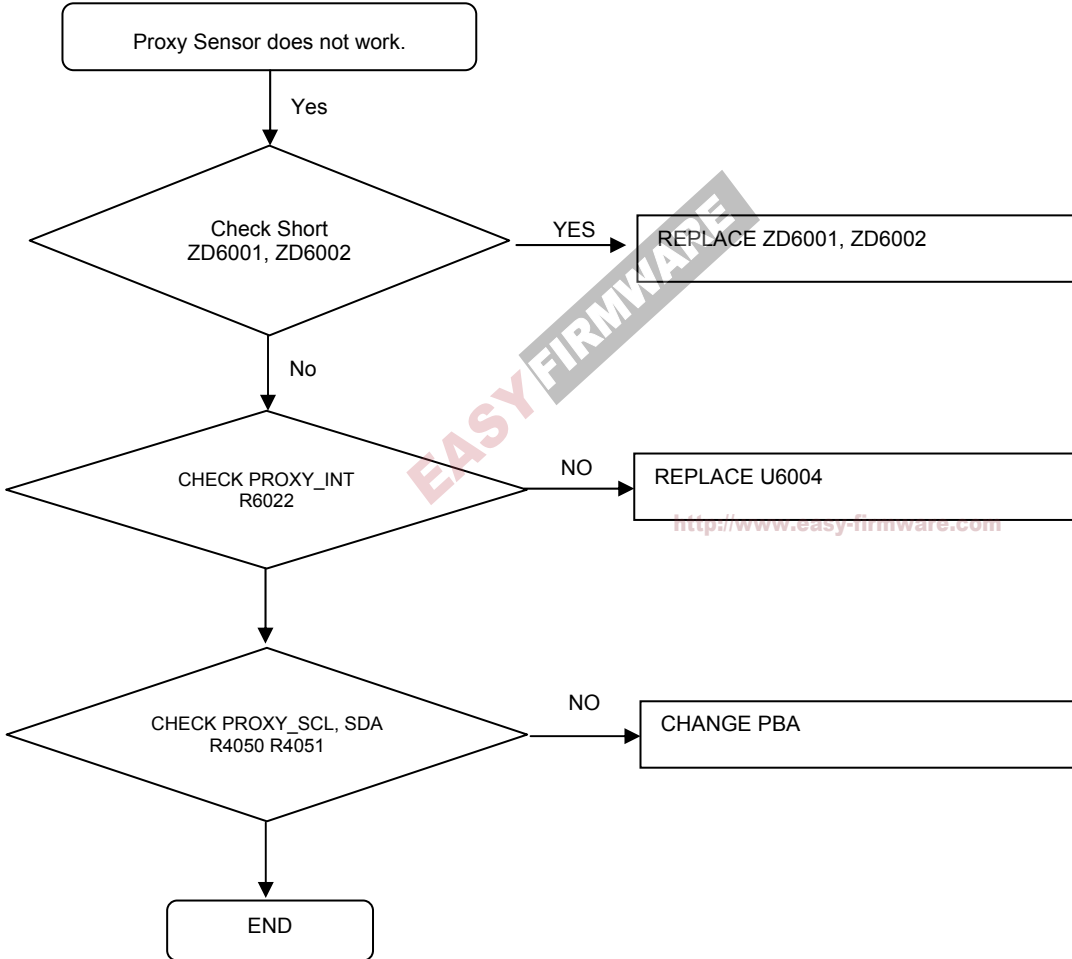
8-4-6. OTG



<http://www.easy-firmware.com>

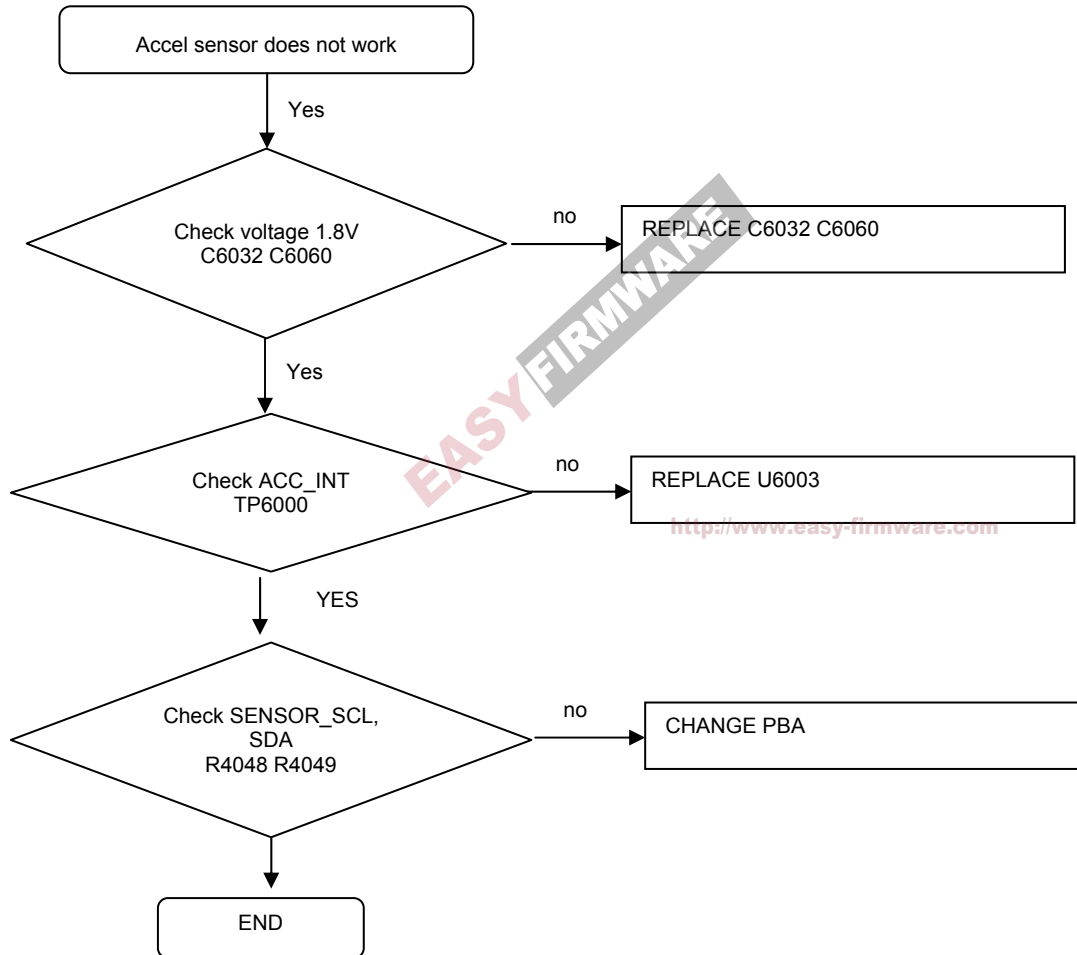
8. Level 3 Repair

8-4-7-2. Proxy Sensor



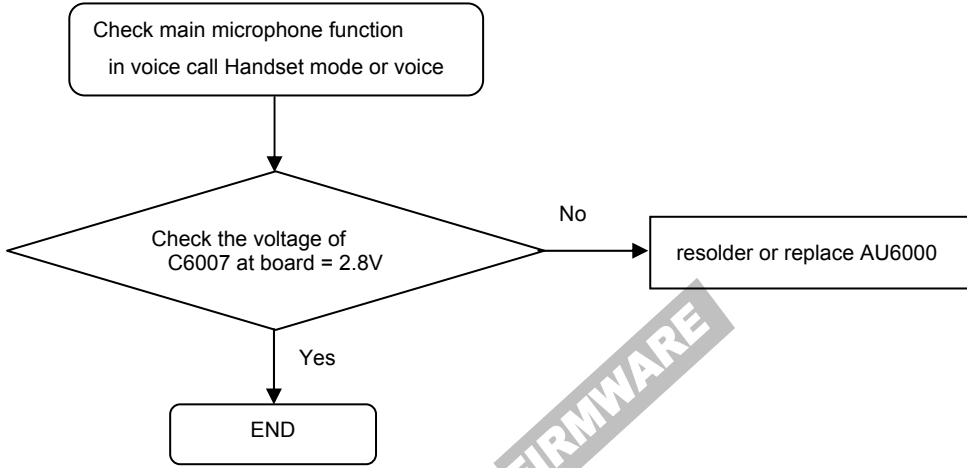
8. Level 3 Repair

8-4-7-3. Accel Sensor



8. Level 3 Repair

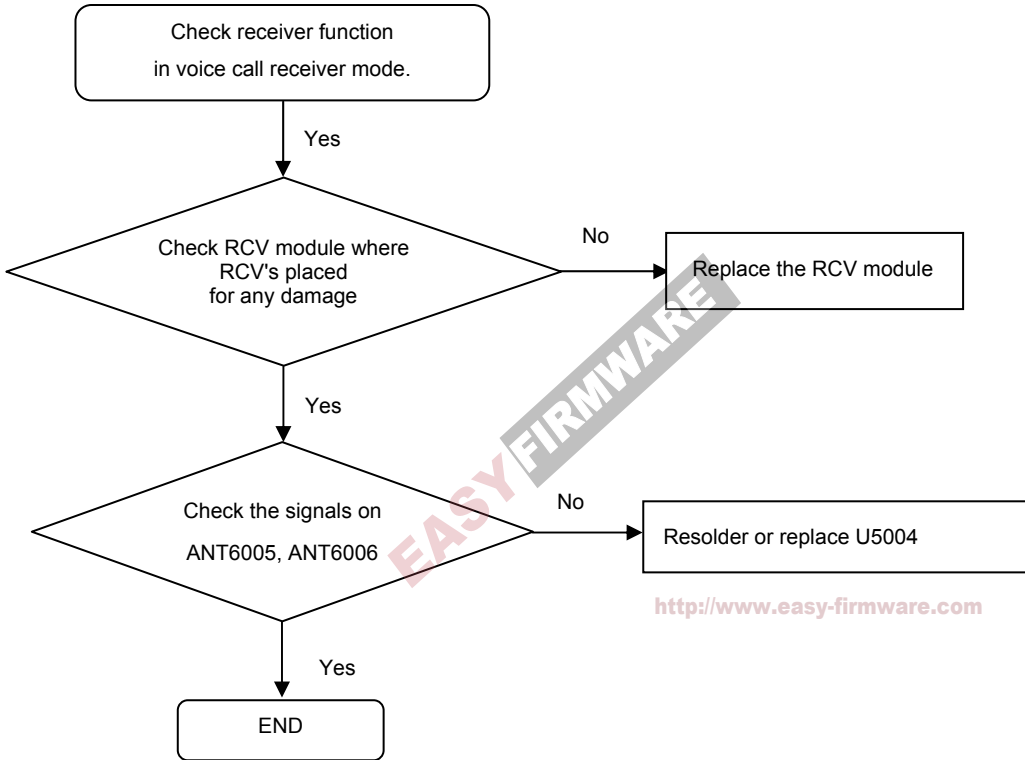
8-4-8-1 Microphone Part - Main MIC



<http://www.easy-firmware.com>

8. Level 3 Repair

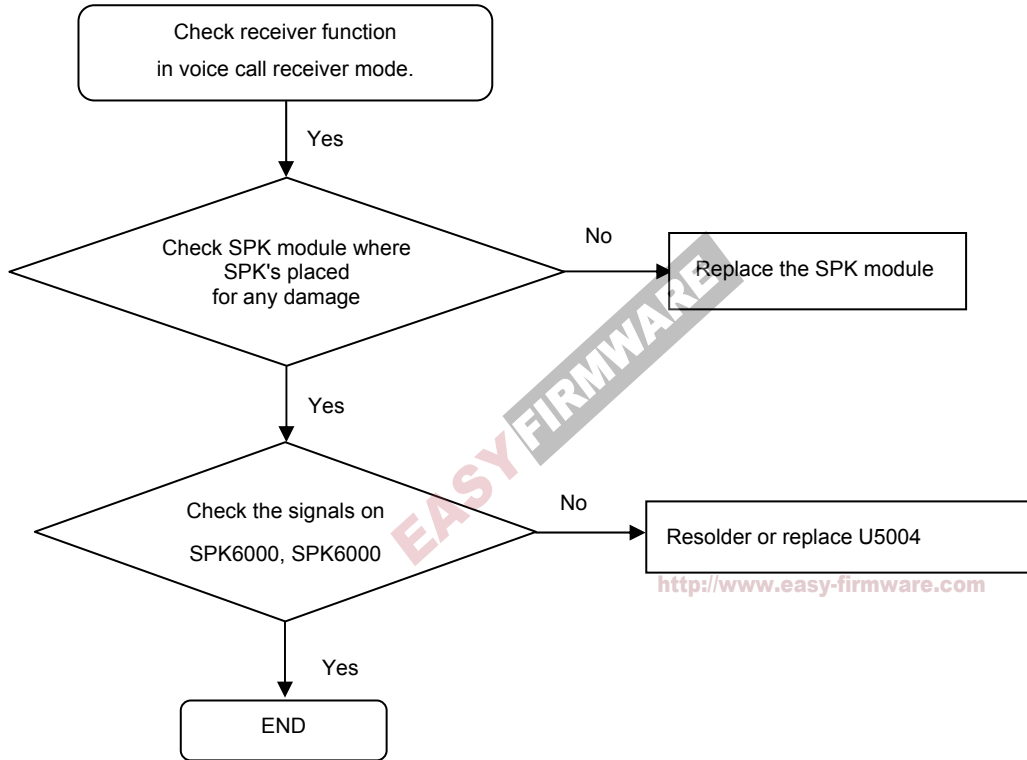
8-4-10. Receiver Part



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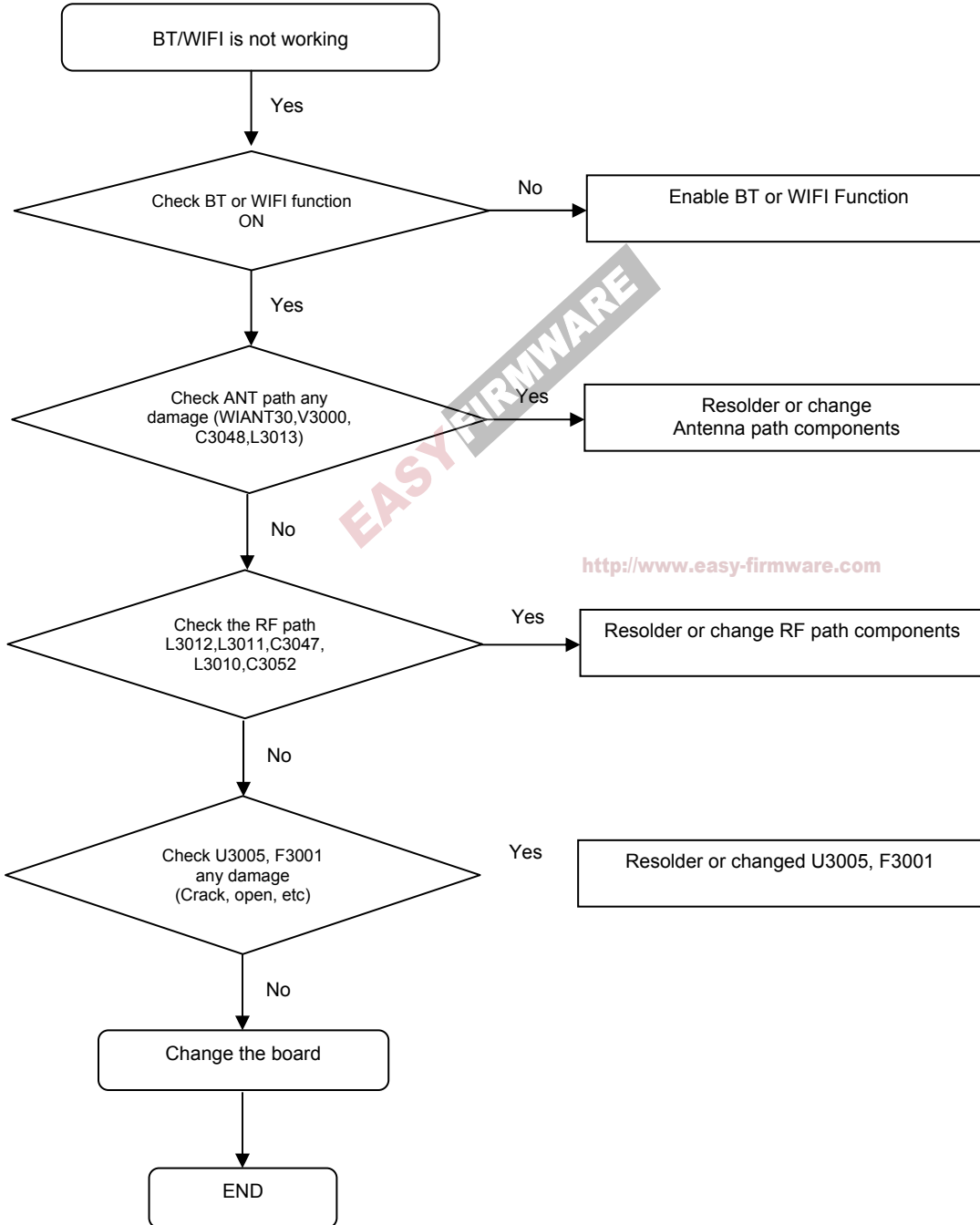
8. Level 3 Repair

8-4-11. Speaker Part



8. Level 3 Repair

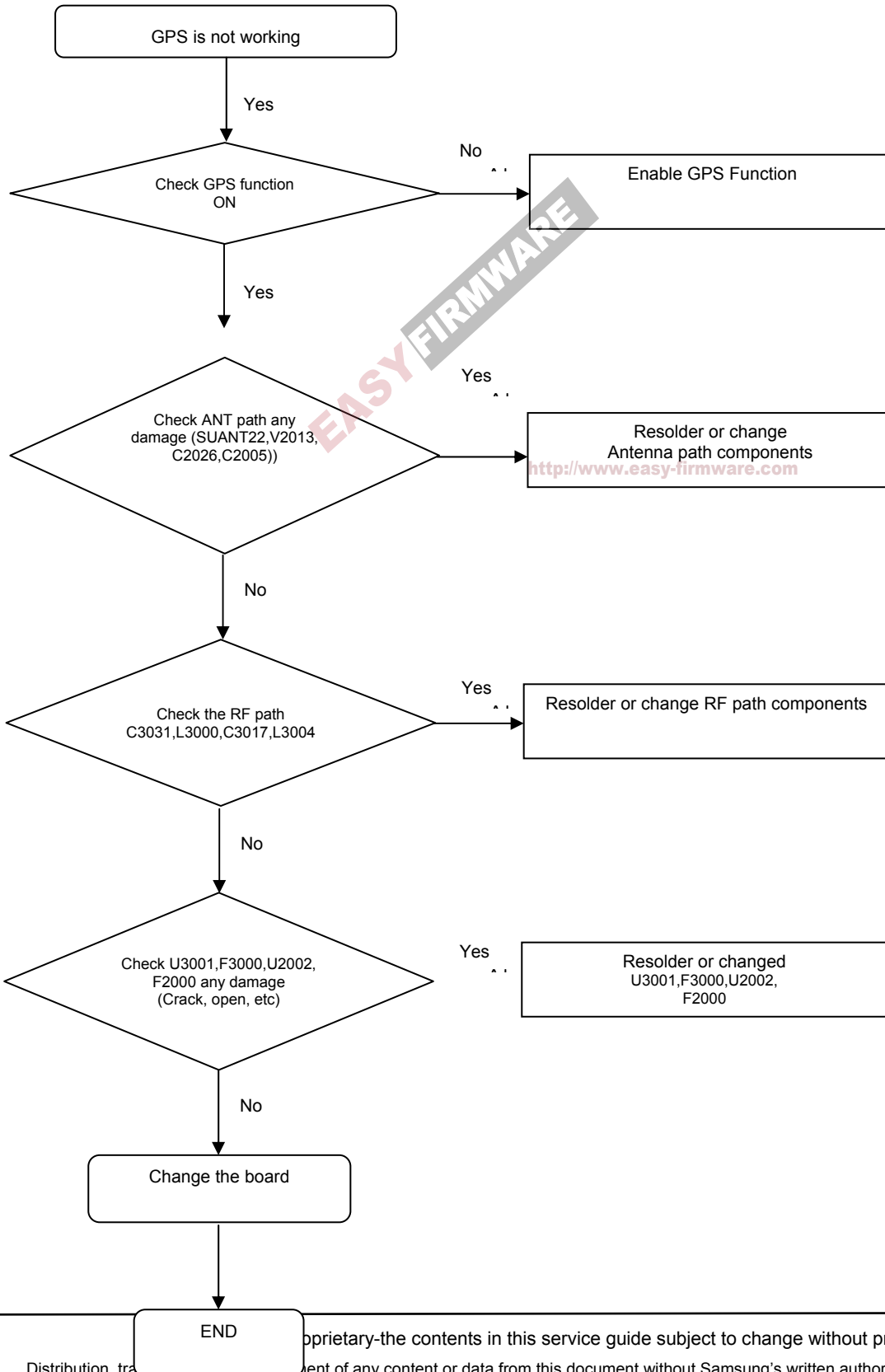
8-4-12. BT/WIFI



<http://www.easy-firmware.com>

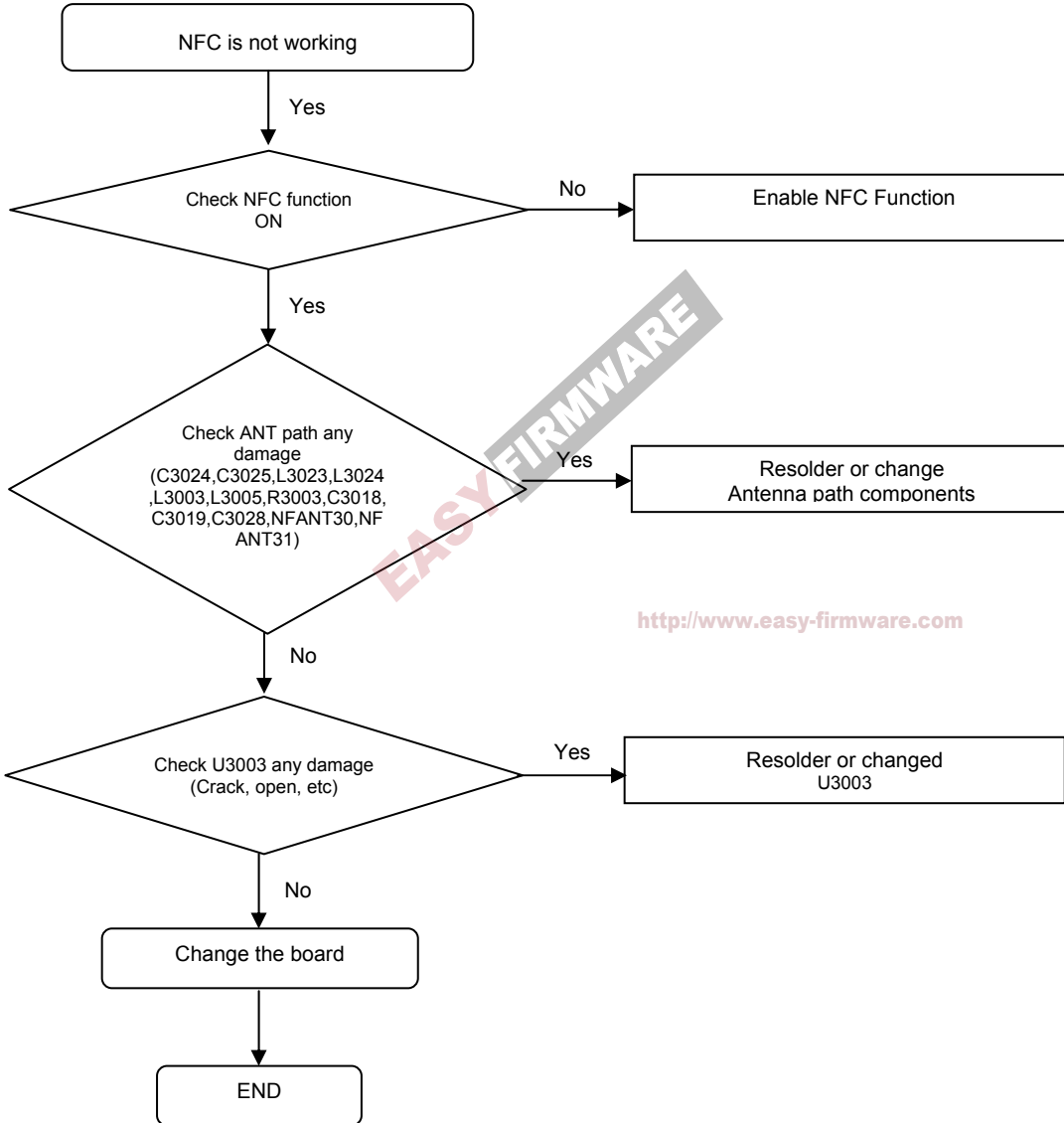
8. Level 3 Repair

8-4-13. GPS



8. Level 3 Repair

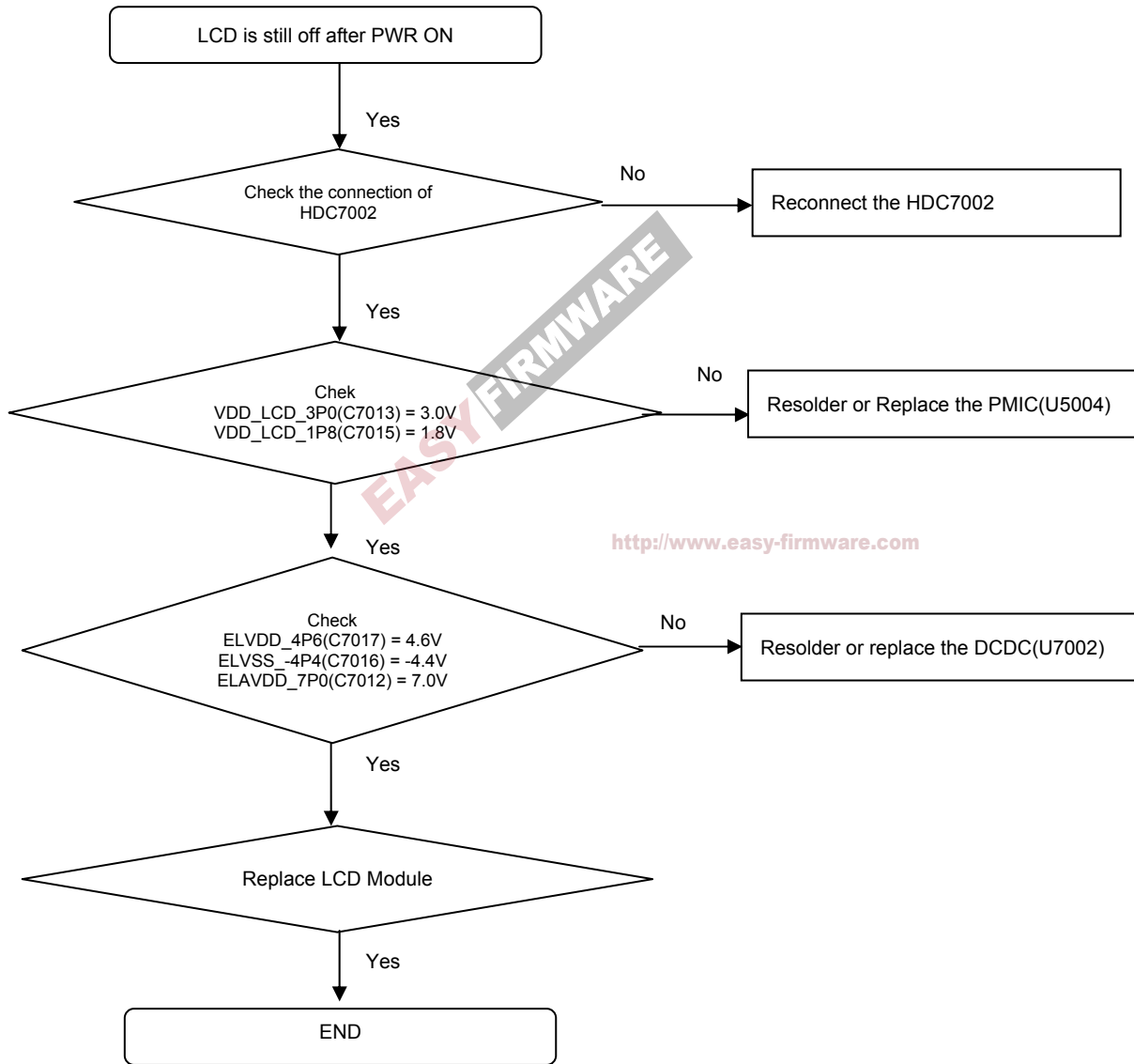
8-4-14. NFC



<http://www.easy-firmware.com>

8. Level 3 Repair

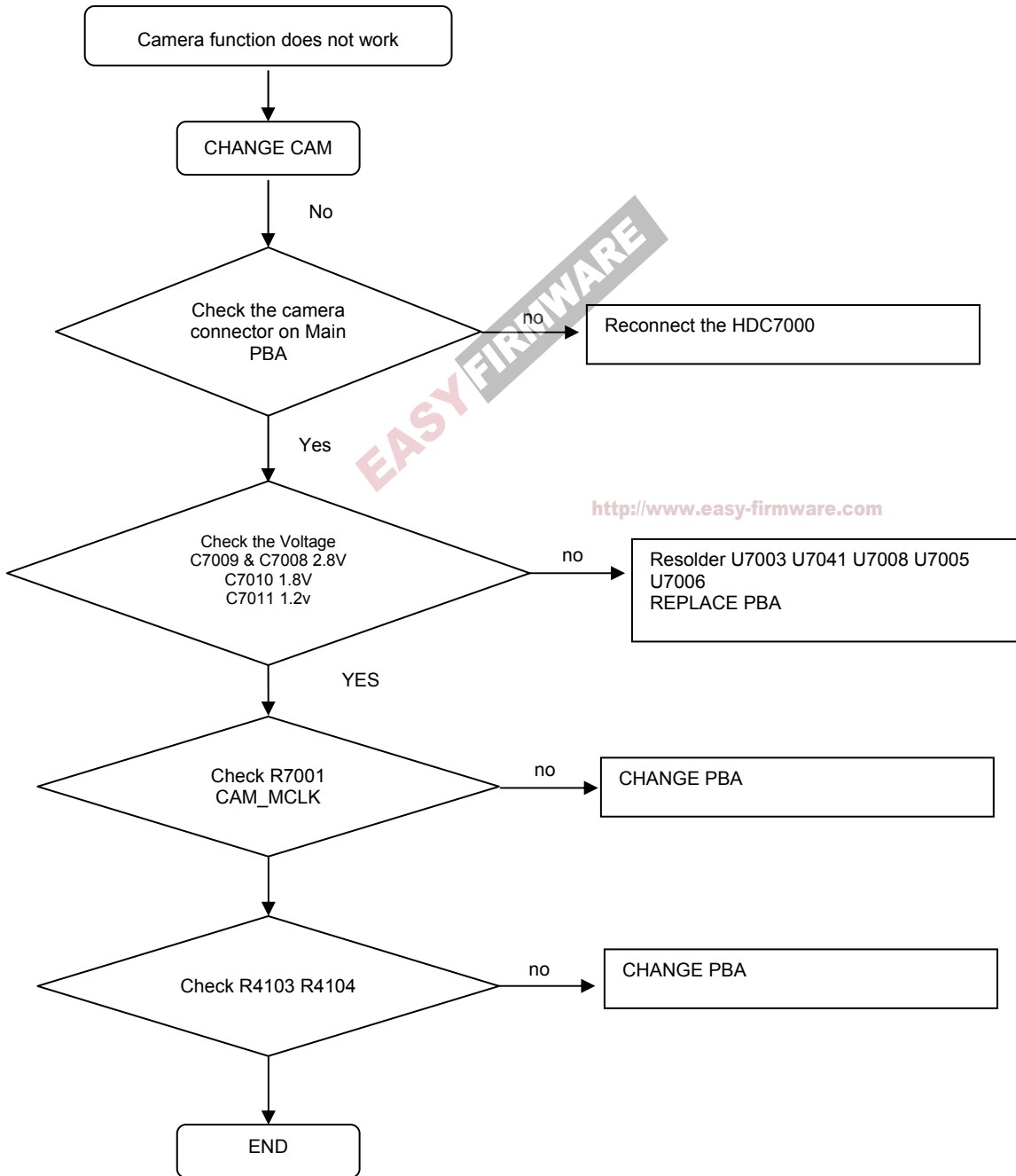
8-4-15. Display



<http://www.easy-firmware.com>

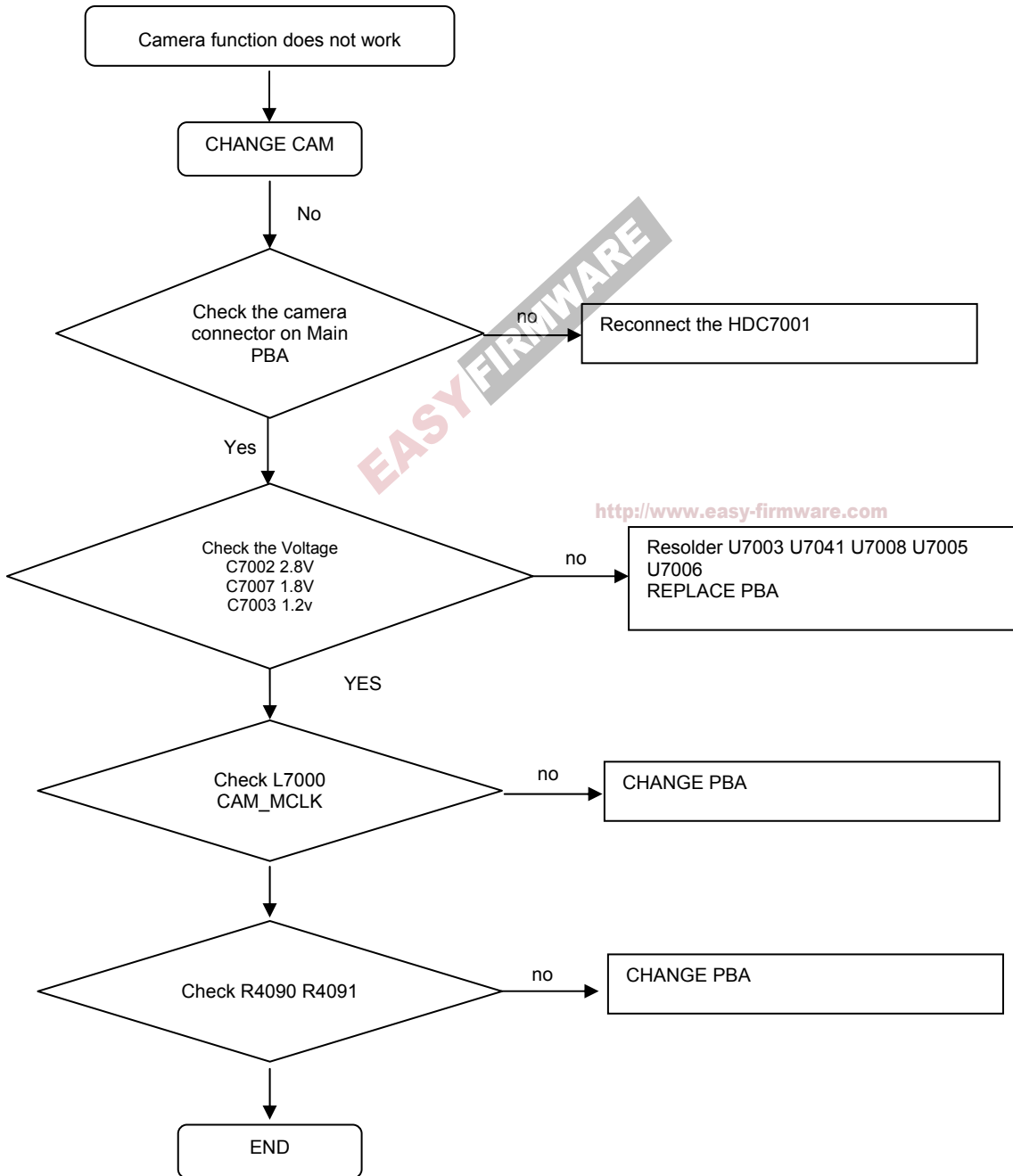
8. Level 3 Repair

8-4-16. 16M CAM



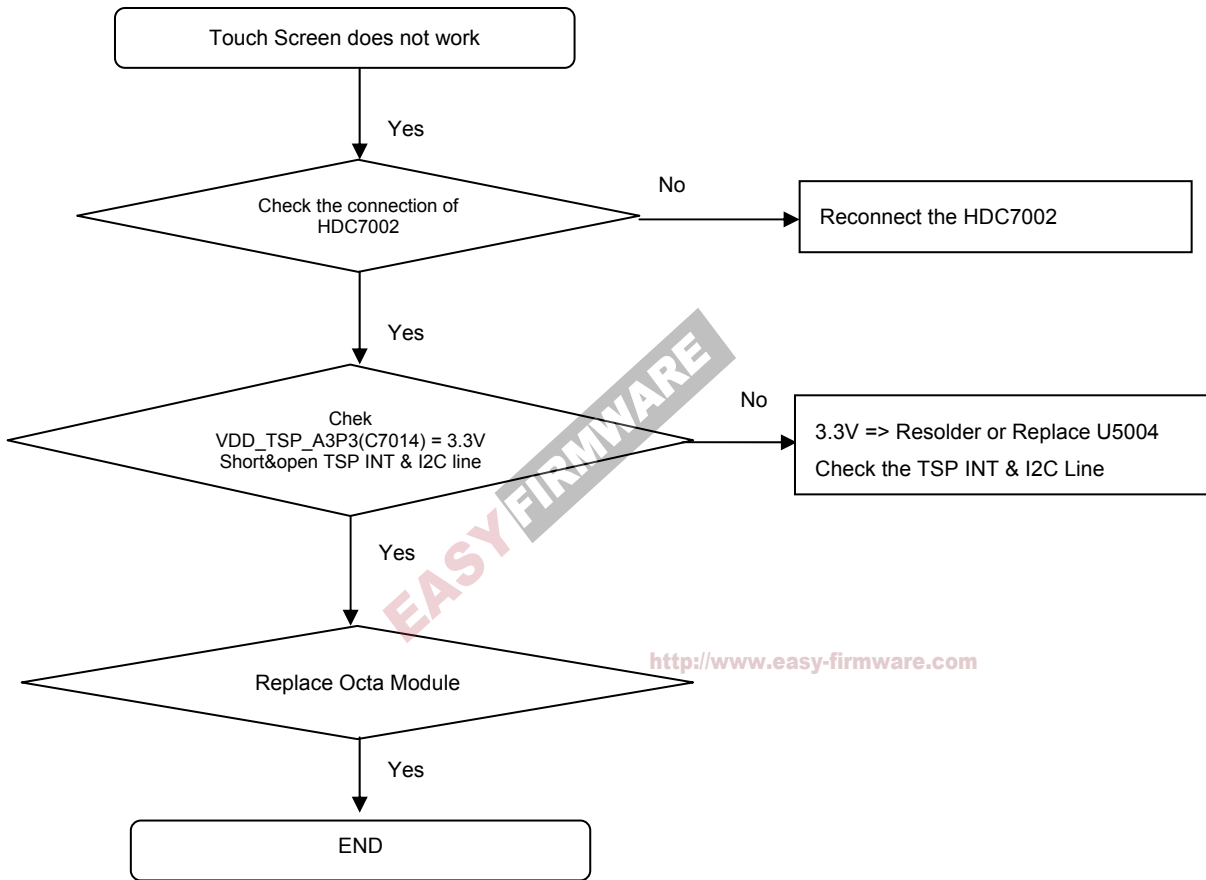
8. Level 3 Repair

8-4-17. 5M CAM



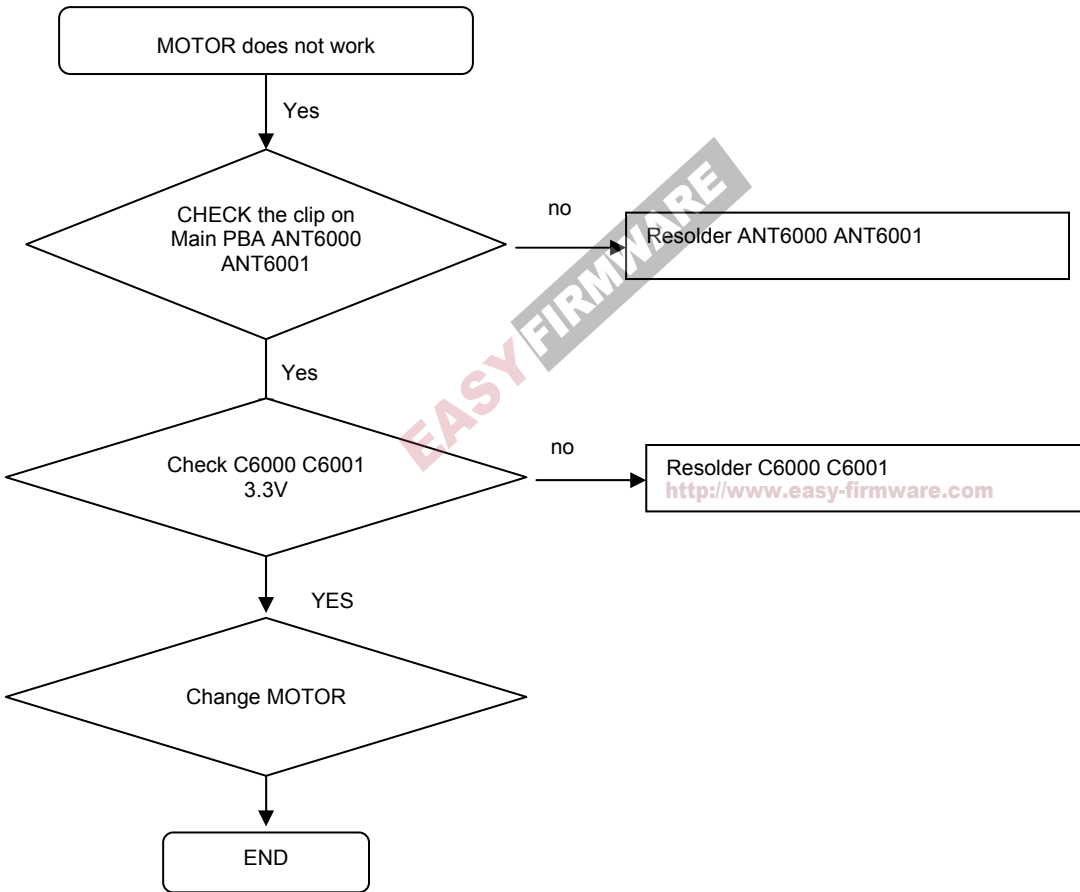
8. Level 3 Repair

8-4-18. TSP



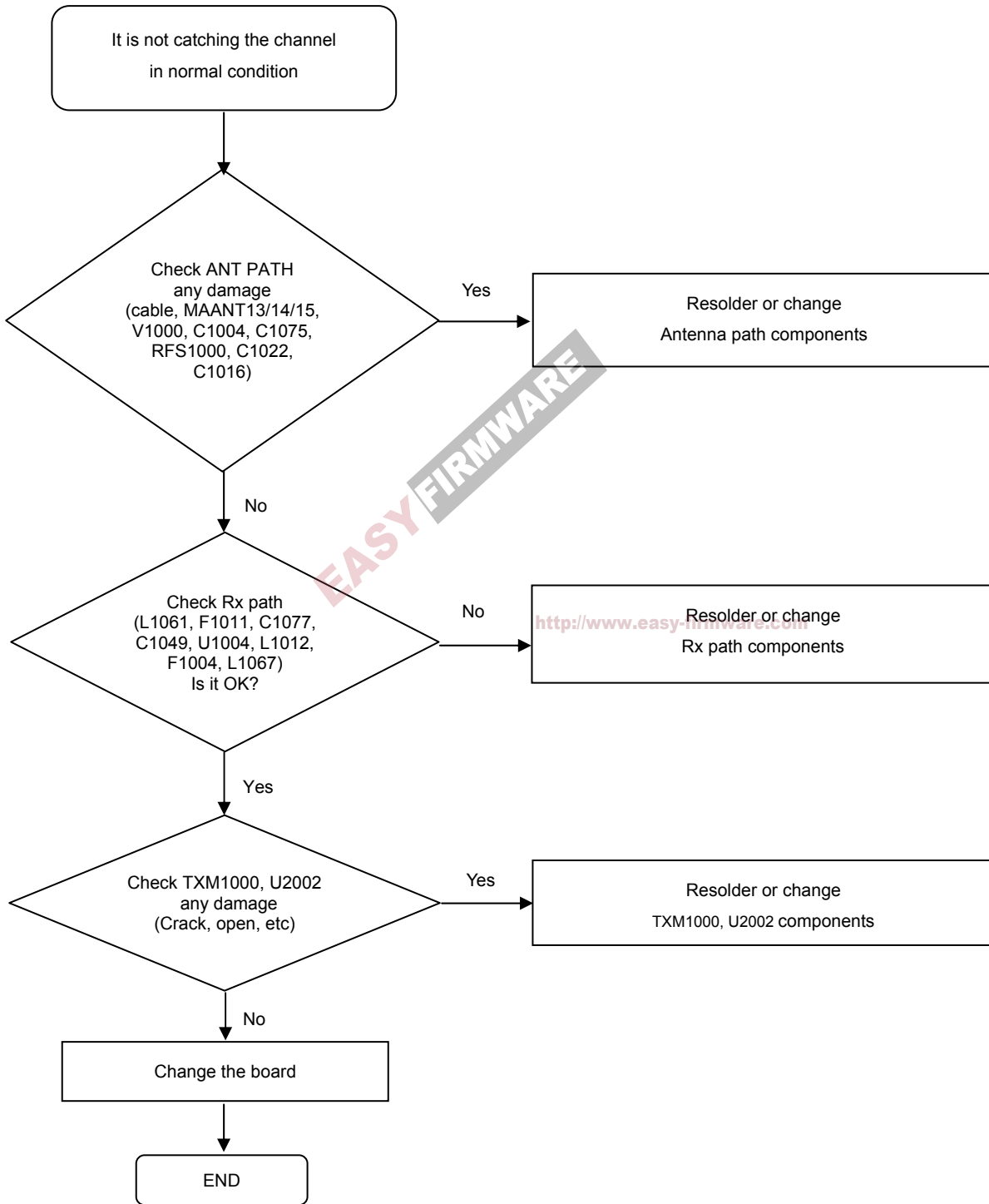
8. Level 3 Repair

8-4-19. Motor



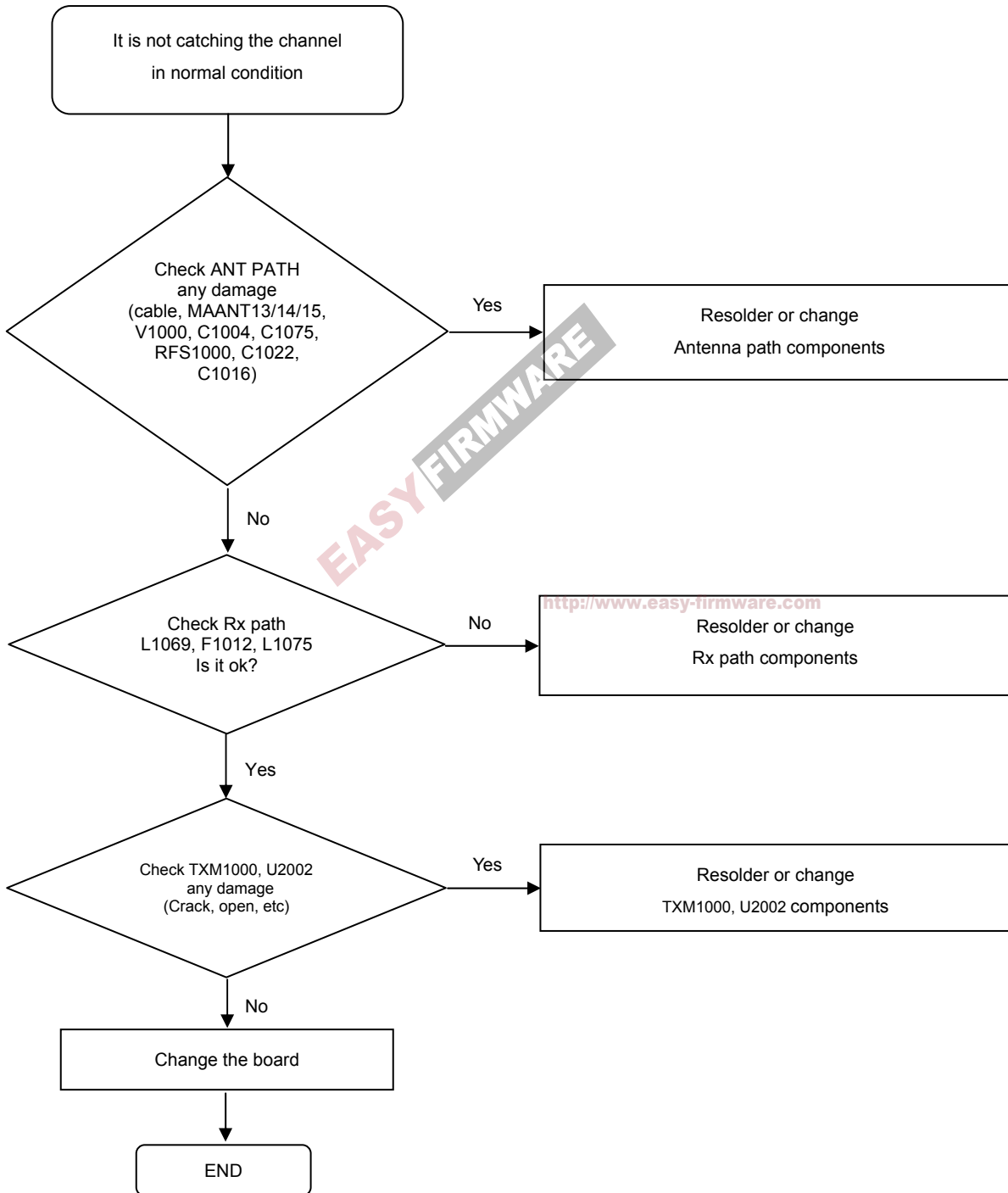
8. Level 3 Repair

8-4-20. WCDMA 1 / LTE 1 Rx



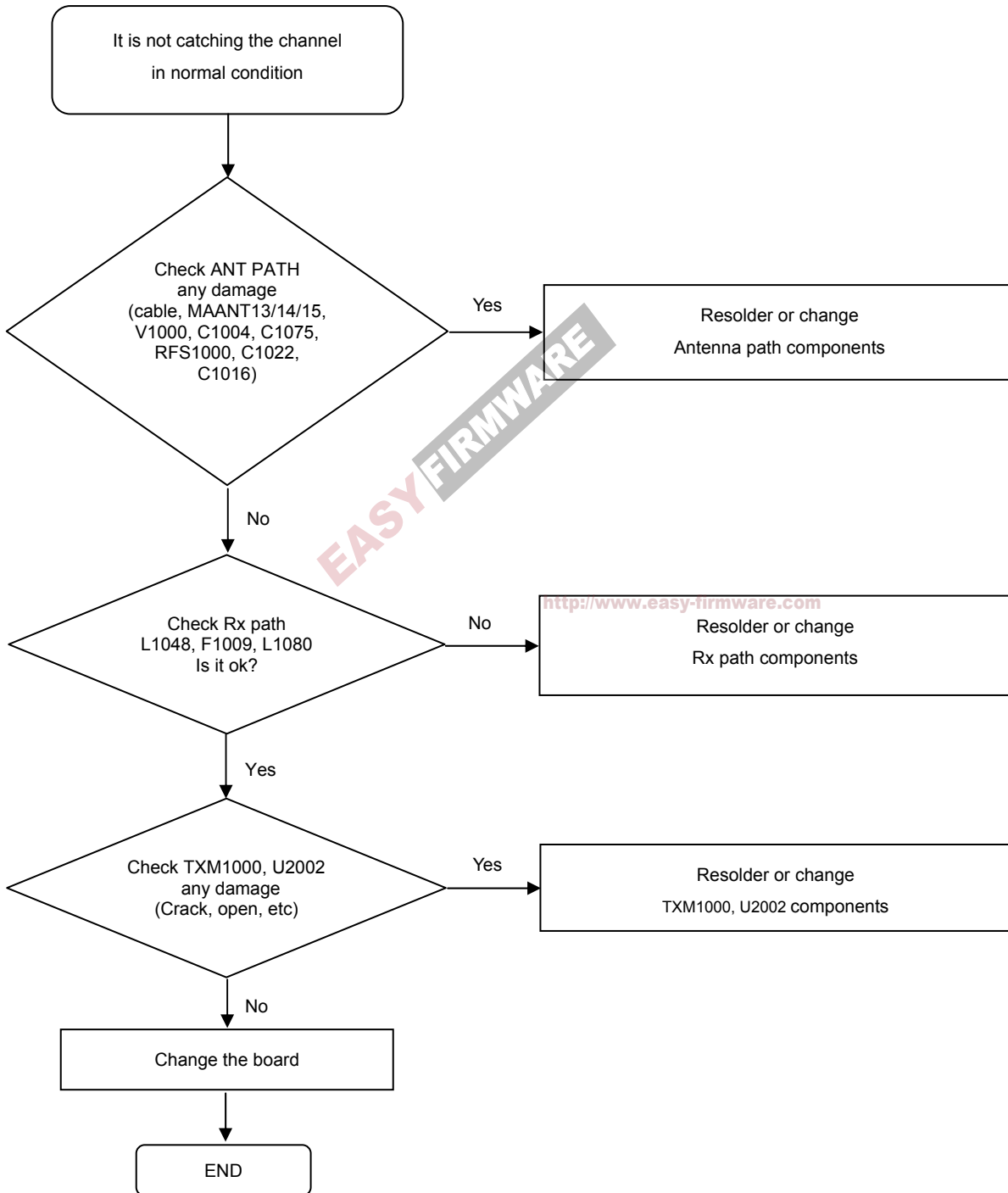
8. Level 3 Repair

8-4-21.GSM1900 / WCDMA 2 / LTE 2 Rx



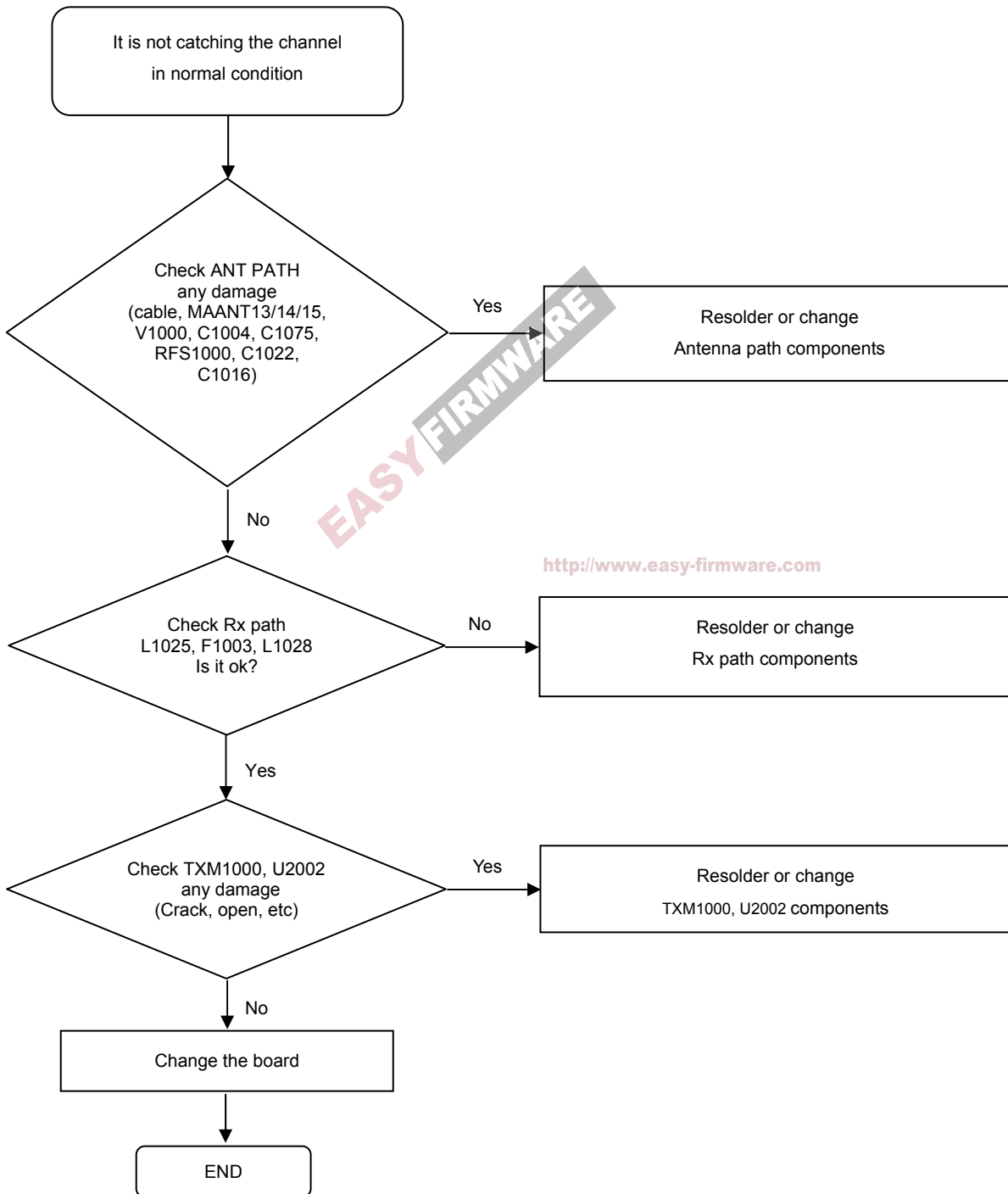
8. Level 3 Repair

8-4-22. GSM1800 / LTE 3 Rx



8. Level 3 Repair

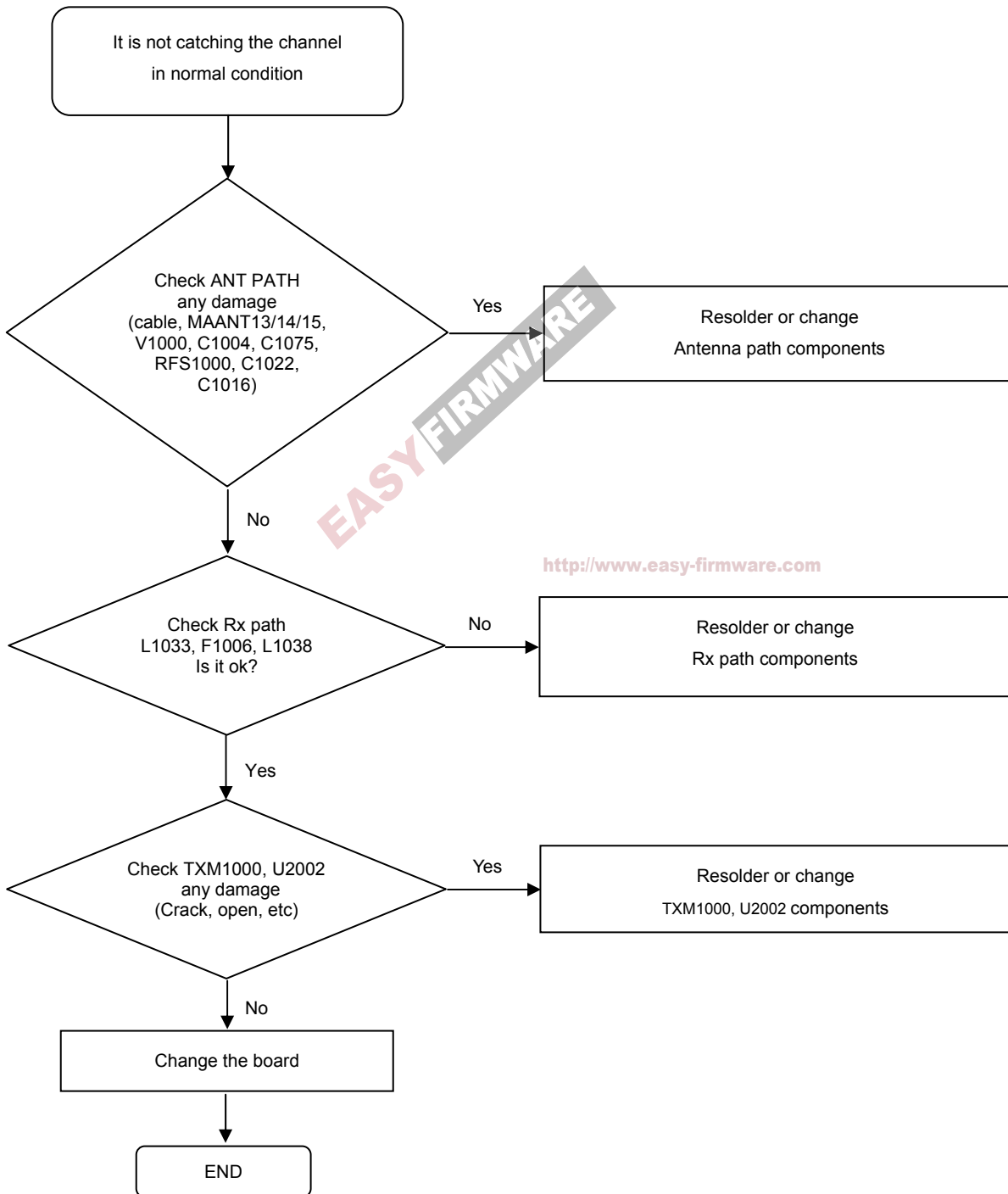
8-4-23.GSM850 / WCDMA 5 / LTE 5 Rx



<http://www.easy-firmware.com>

8. Level 3 Repair

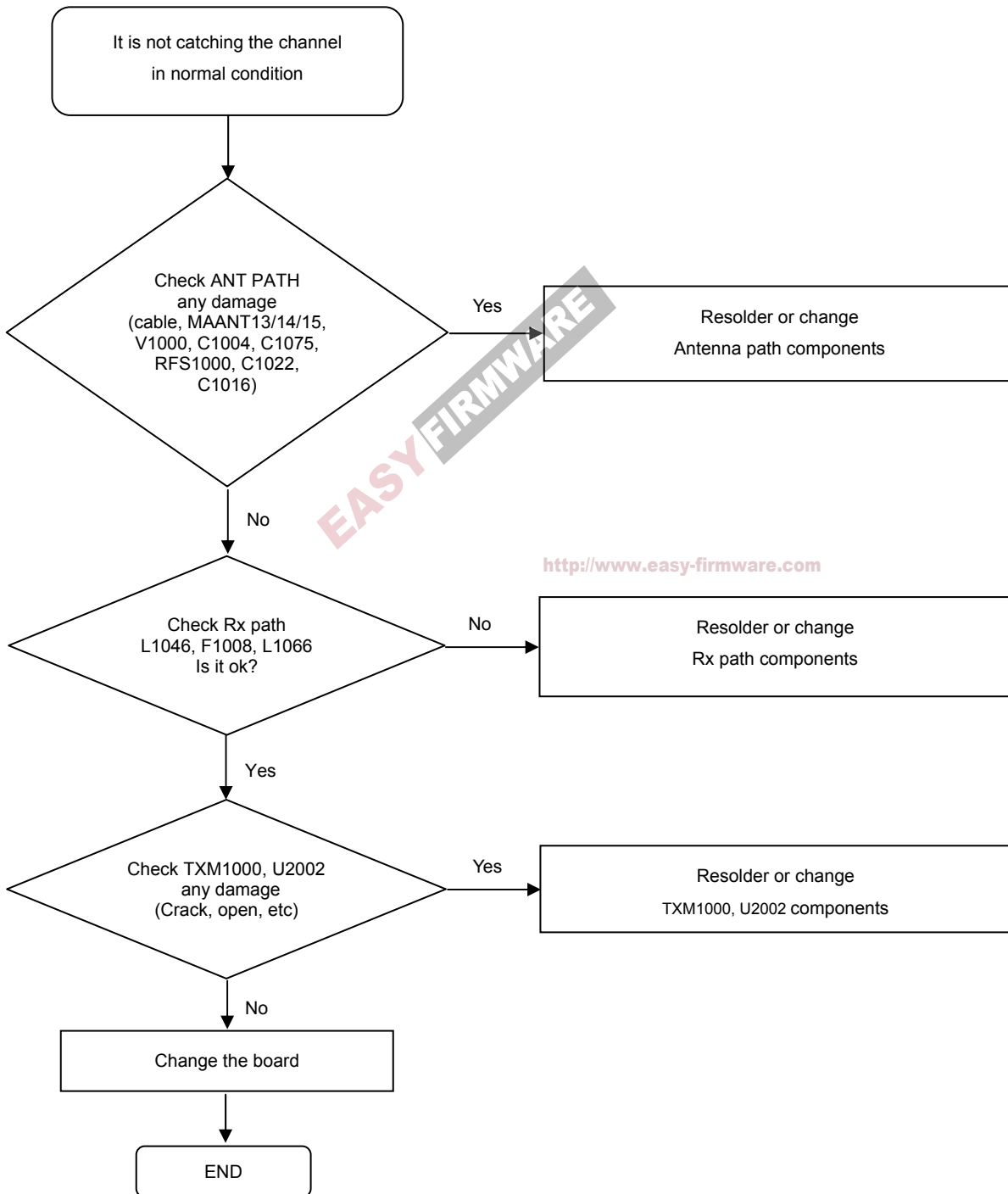
8-4-24 GSM900 / WCDMA 8 / LTE 8 Rx



<http://www.easy-firmware.com>

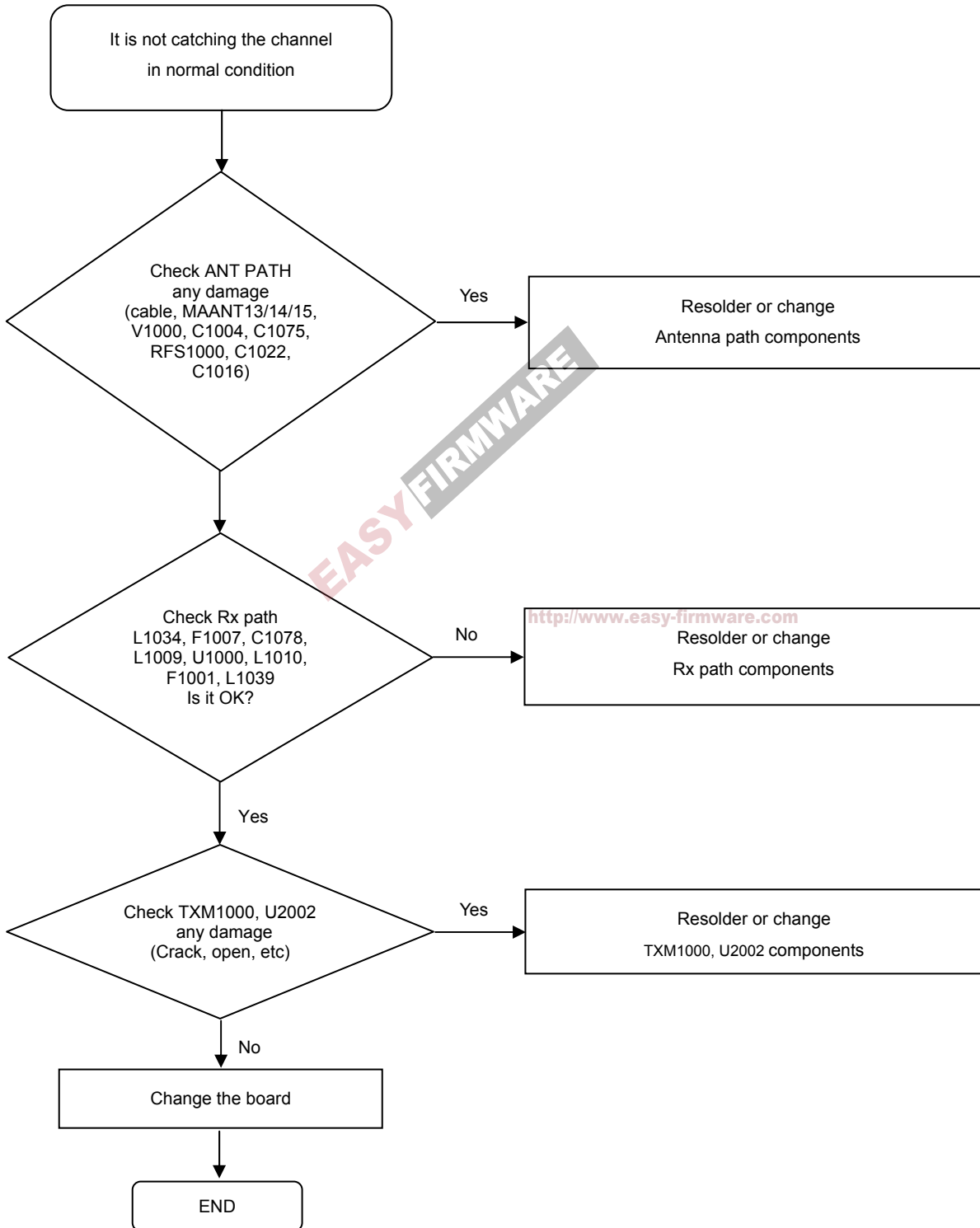
8. Level 3 Repair

8-4-25. LTE 17, 20 RX



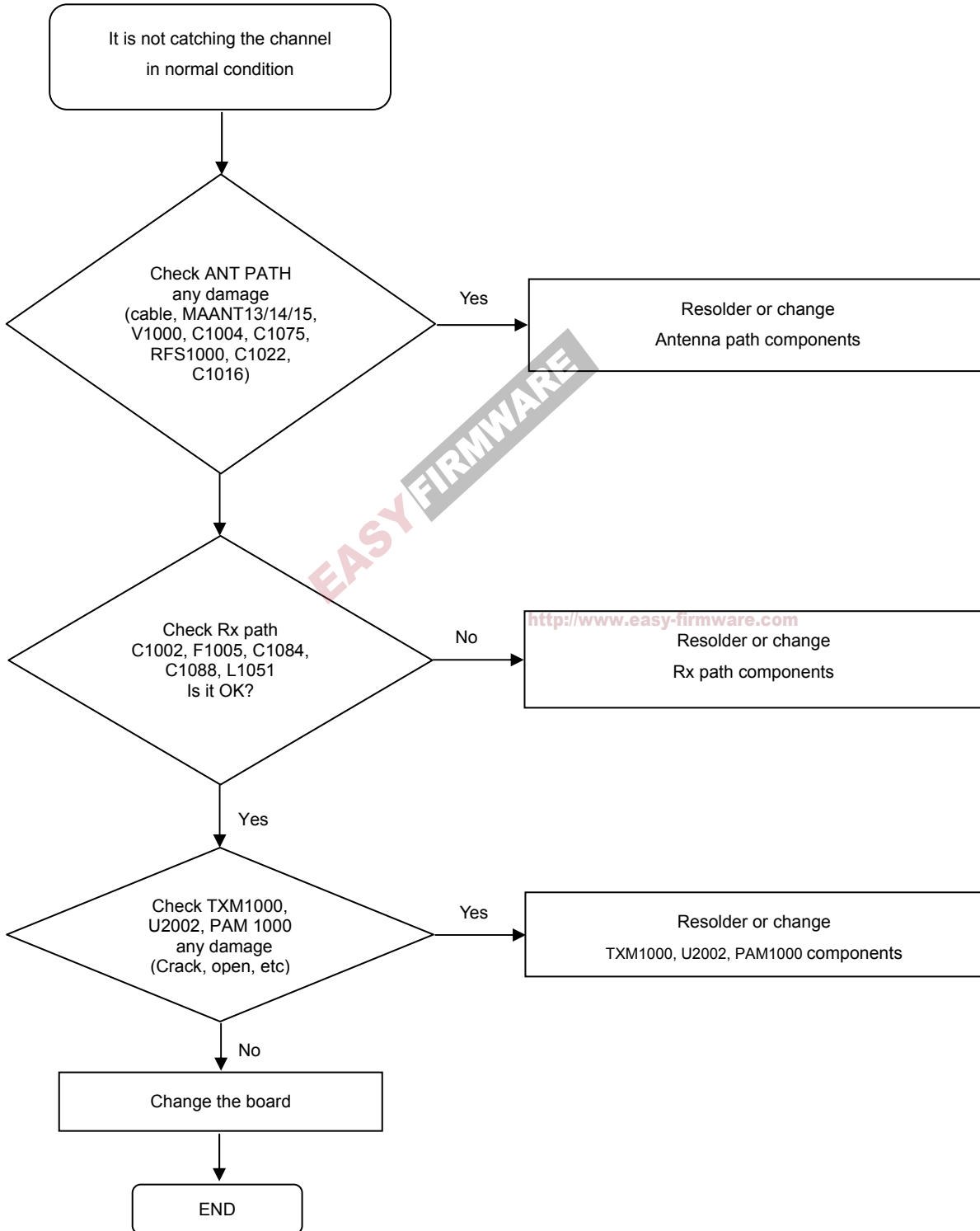
8. Level 3 Repair

8-4-26. LTE 7 RX



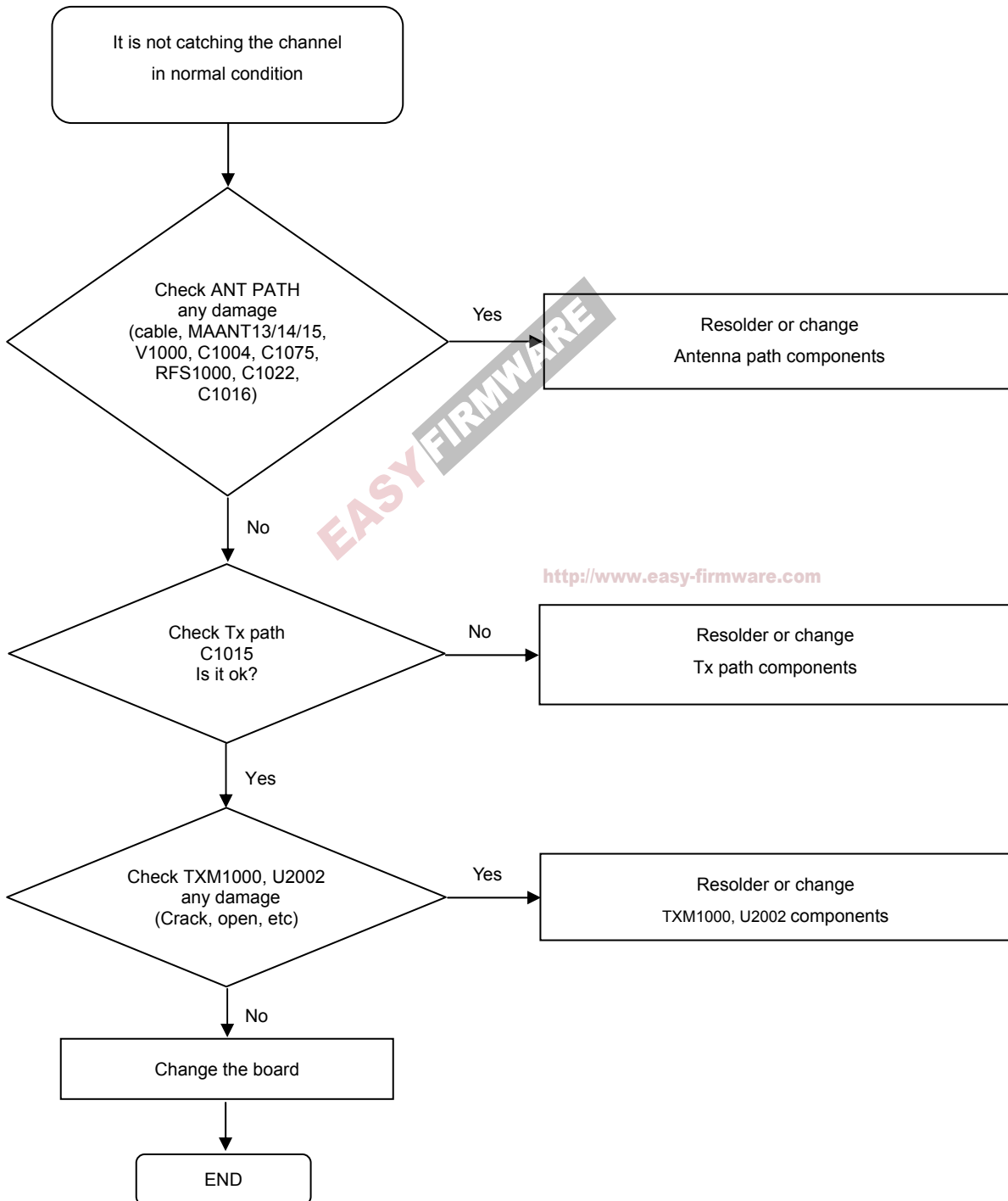
8. Level 3 Repair

8-4-27. LTE 40 RX



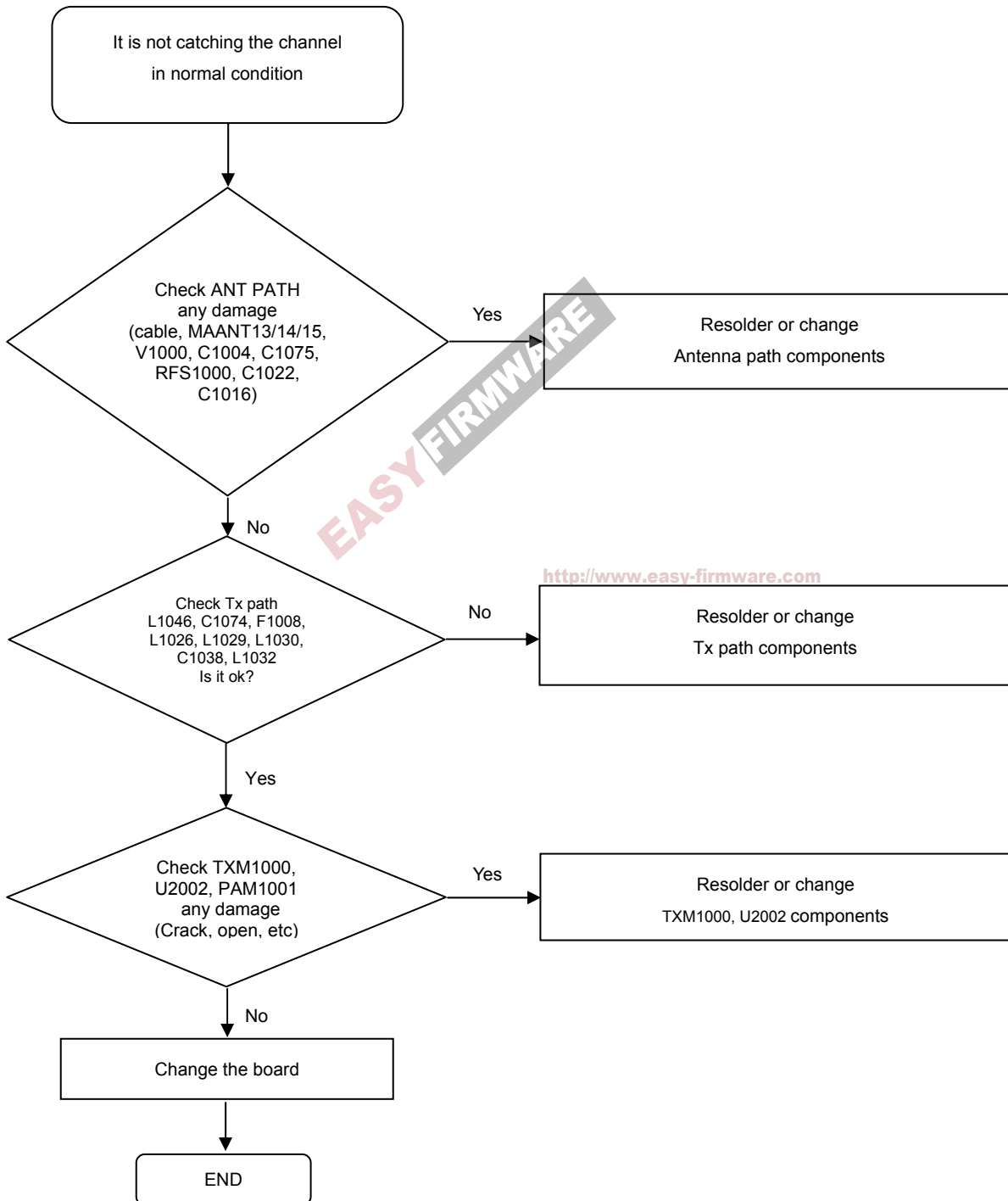
8. Level 3 Repair

8-4-28. GSM1800, 1900 TX



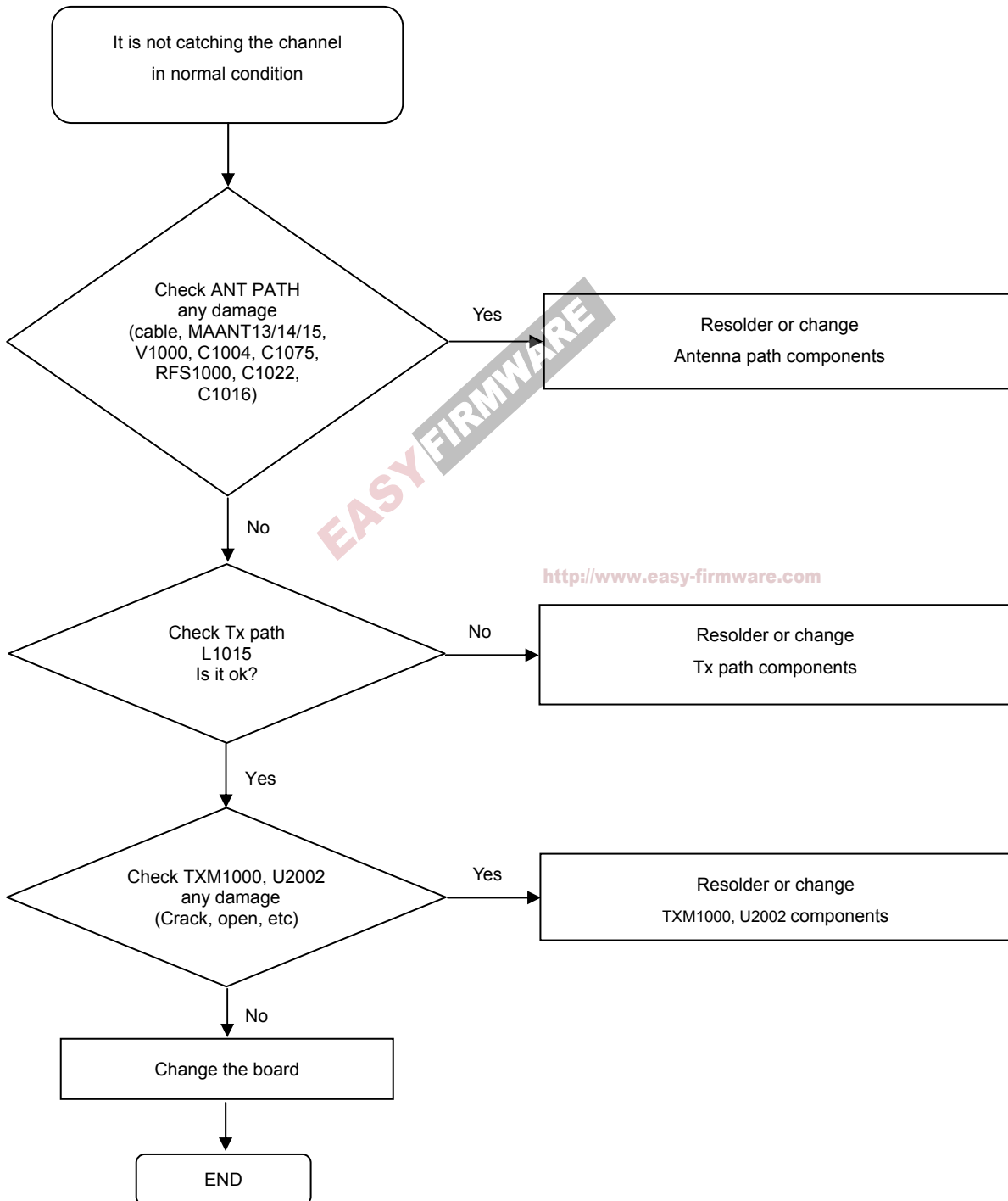
8. Level 3 Repair

8-4-29 LTE 17, 20 TX



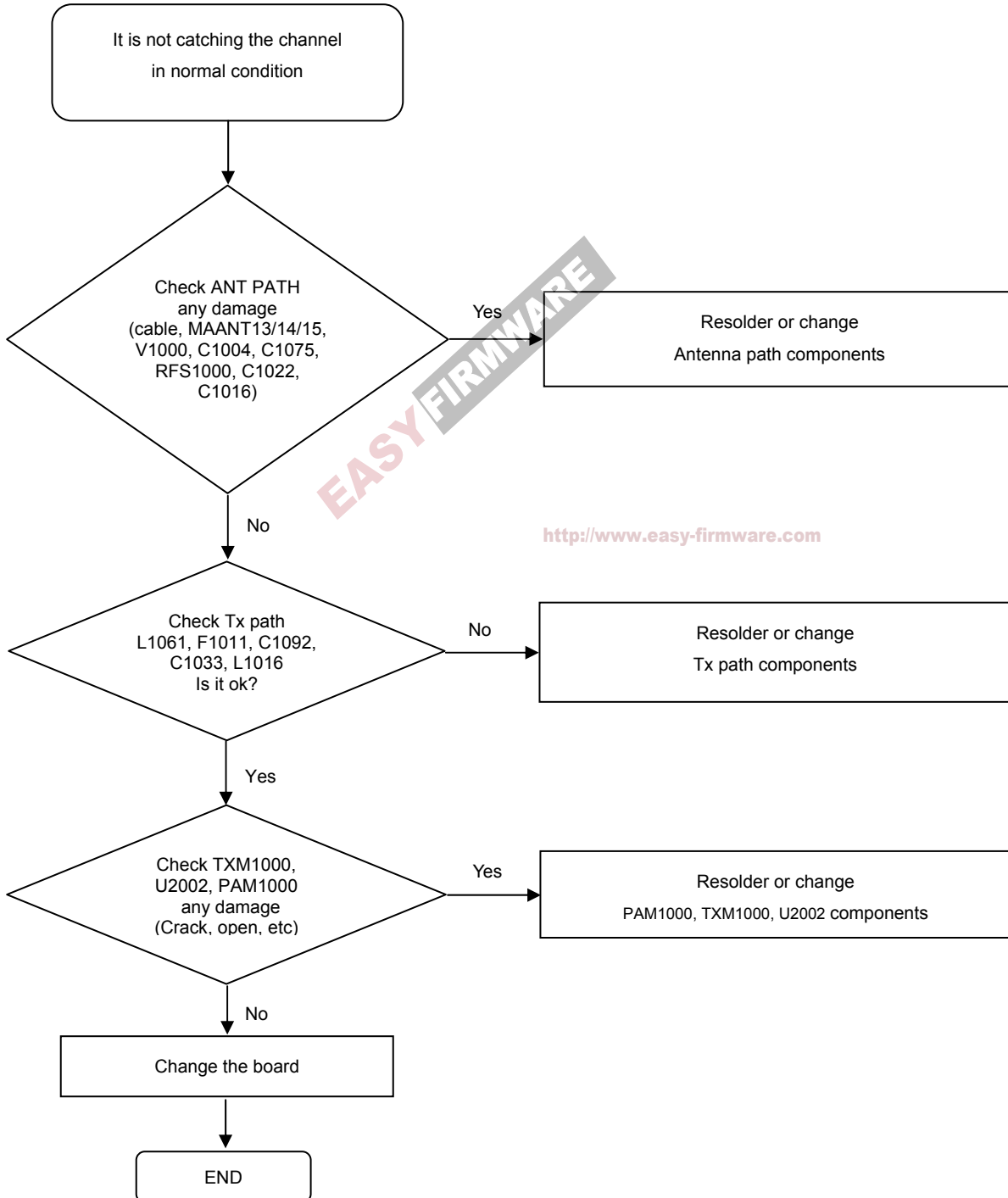
8. Level 3 Repair

8-4-30. GSM850, 900 TX



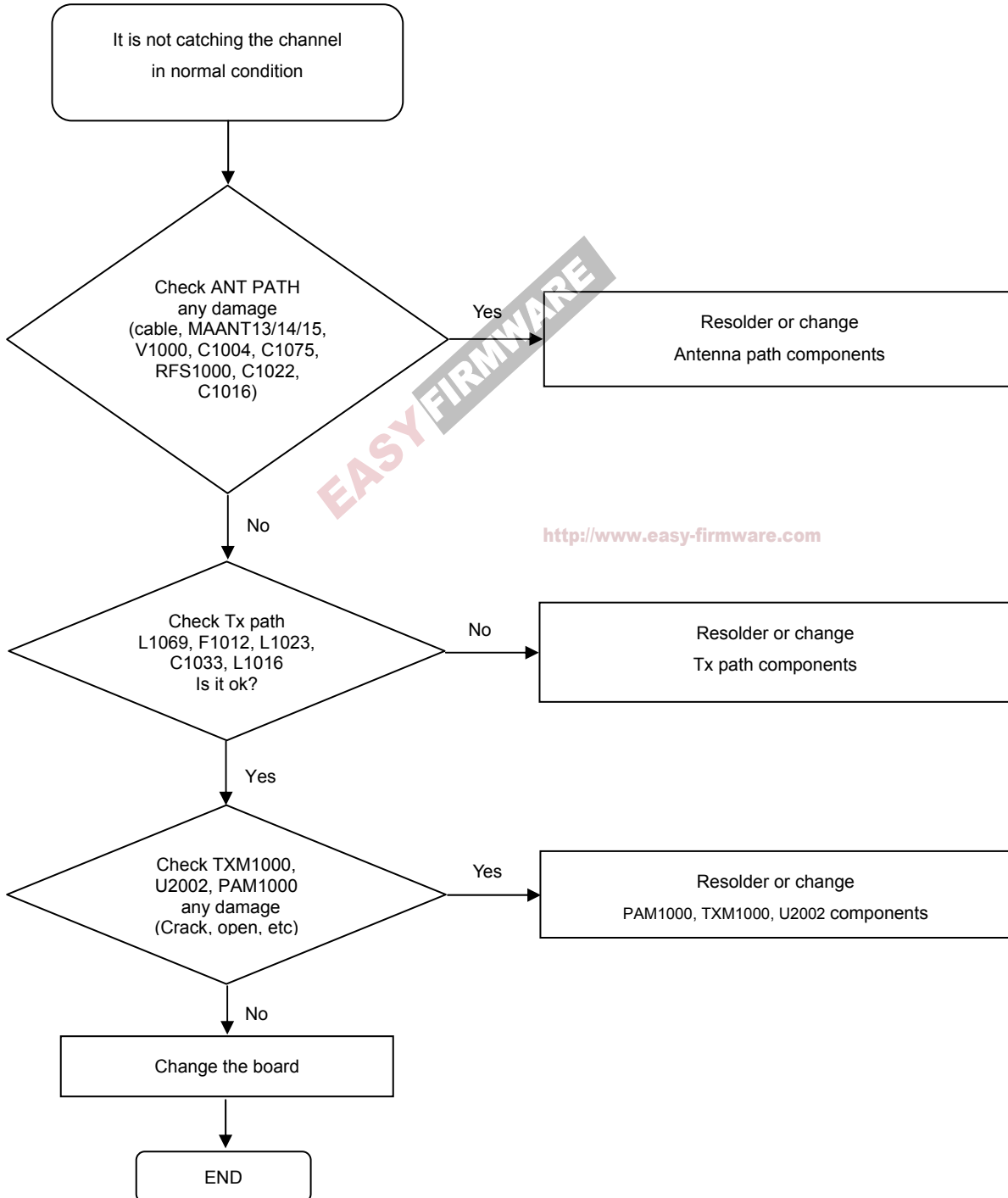
8. Level 3 Repair

8-4-31 WCDMA B1, LTE B1 TX



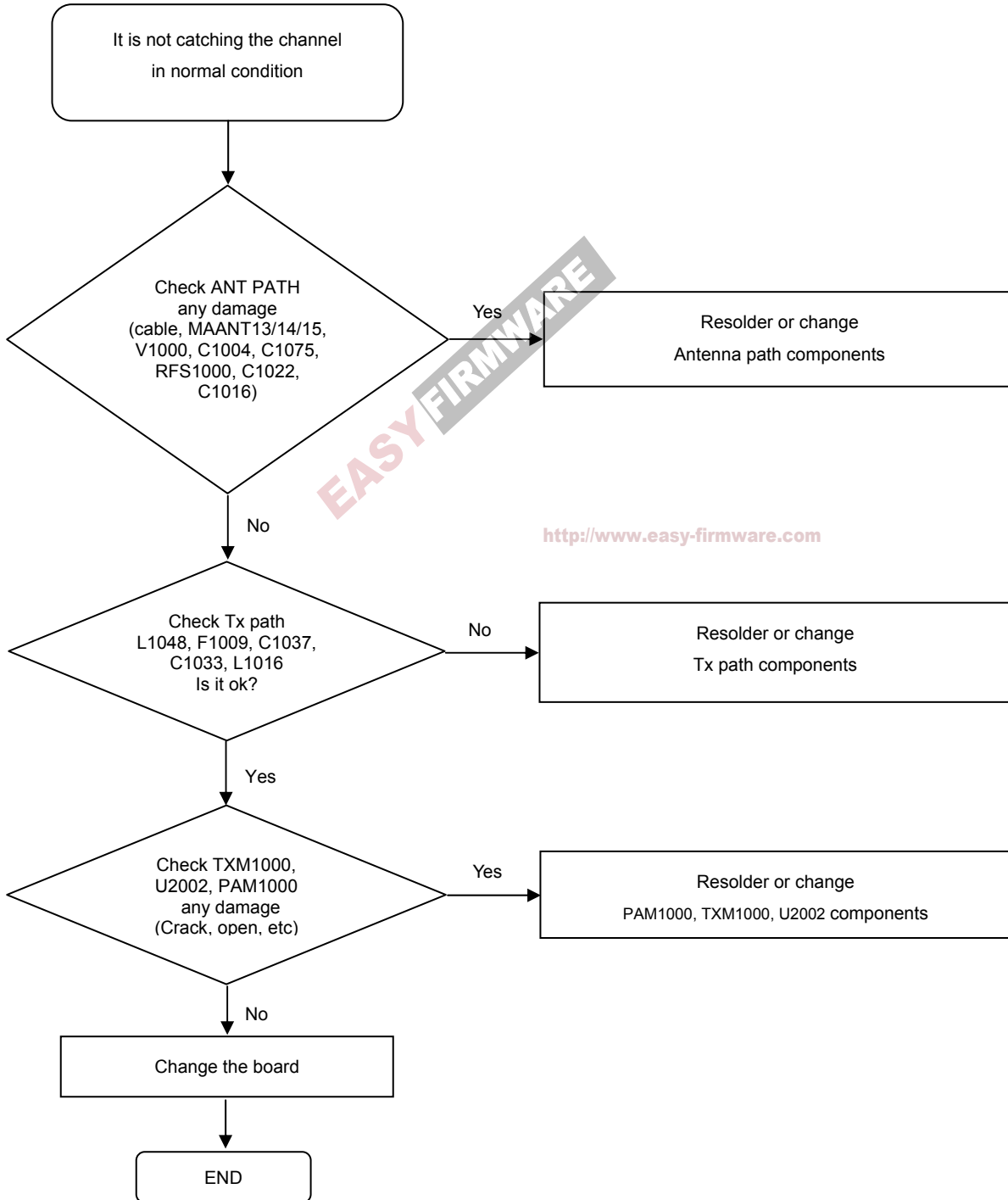
8. Level 3 Repair

8-4-32 WCDMA B2, LTE B2 TX



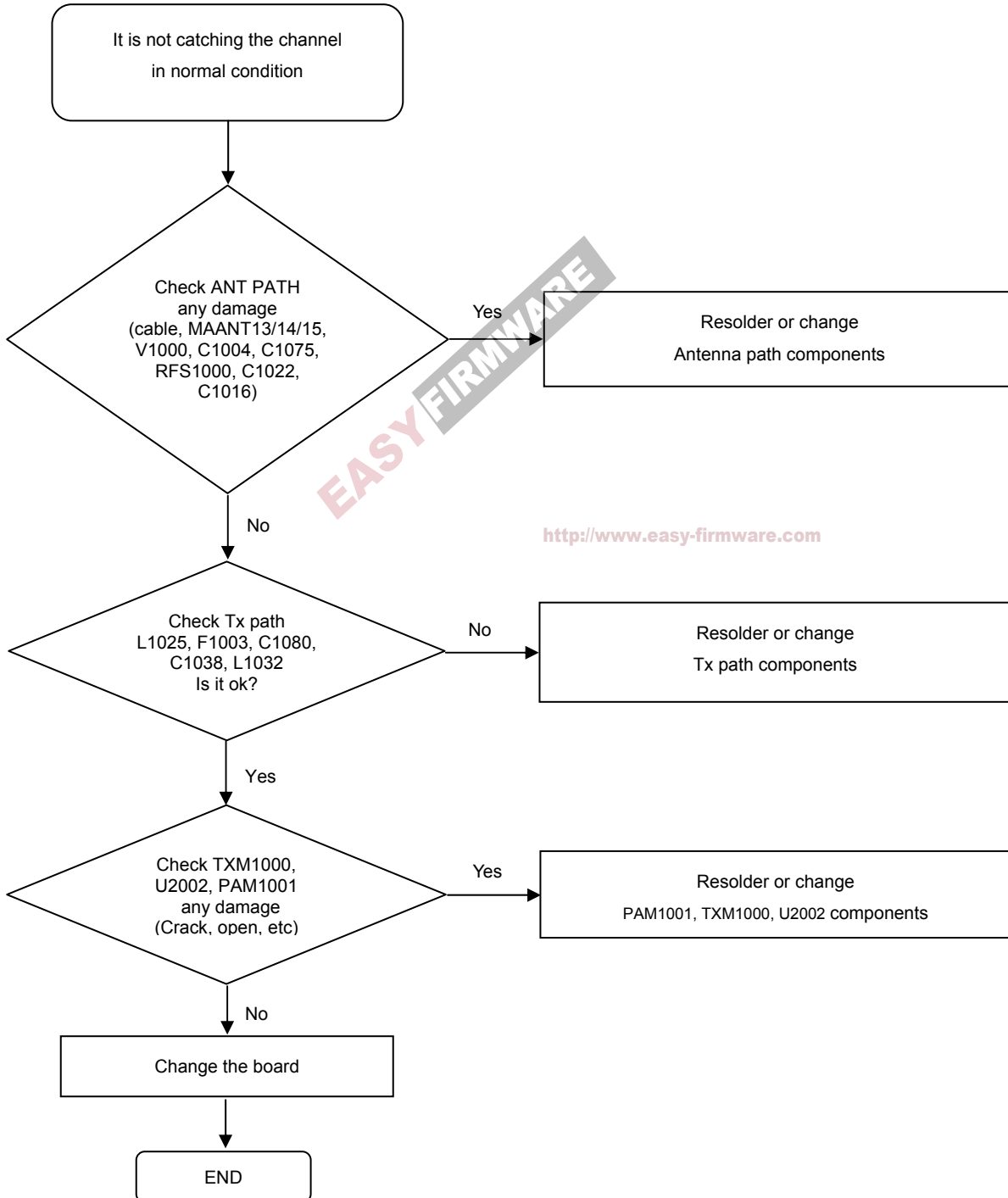
8. Level 3 Repair

8-4-33 LTE B3 TX



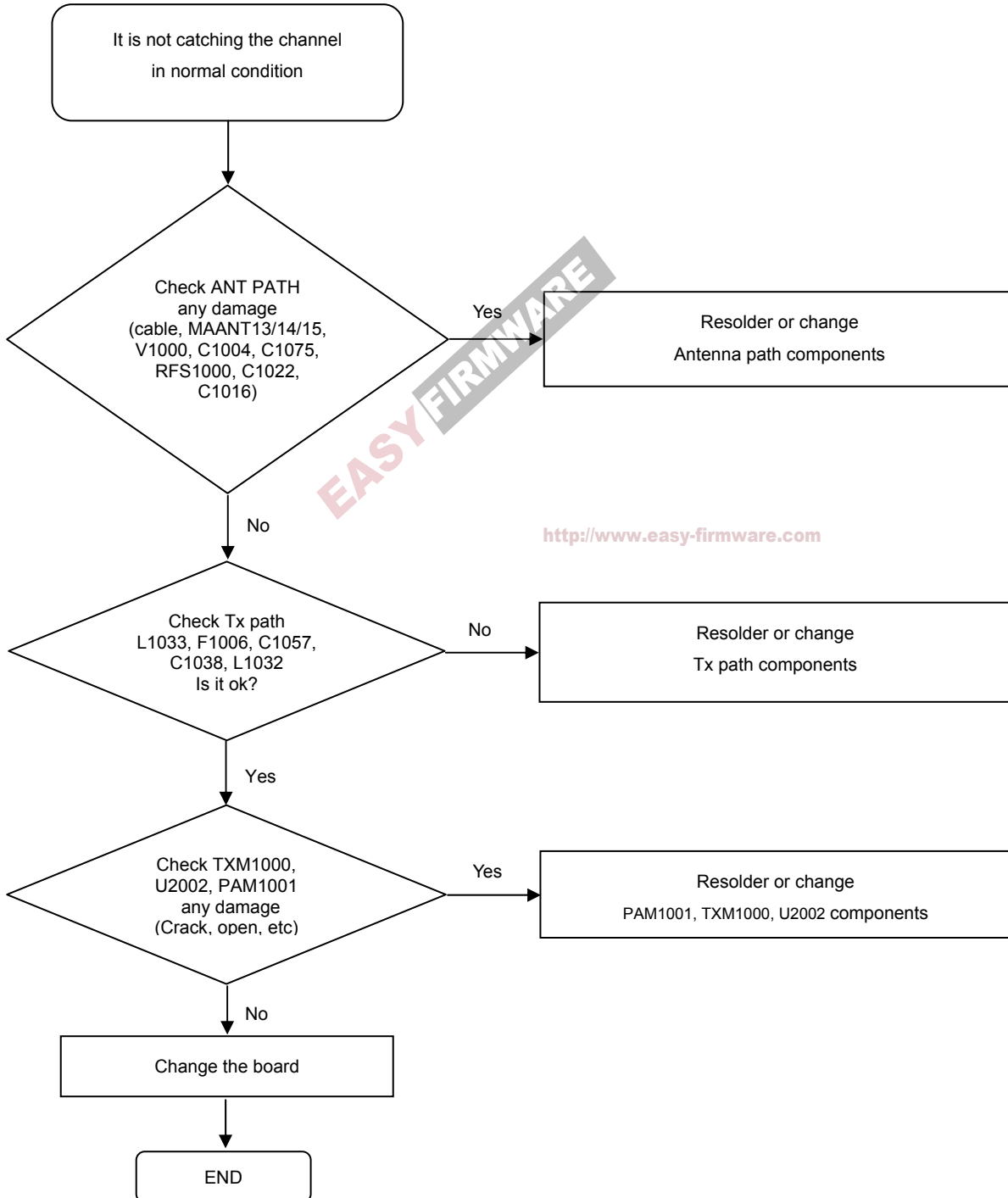
8. Level 3 Repair

8-4-34 WCDMA B5, LTE B5 TX



8. Level 3 Repair

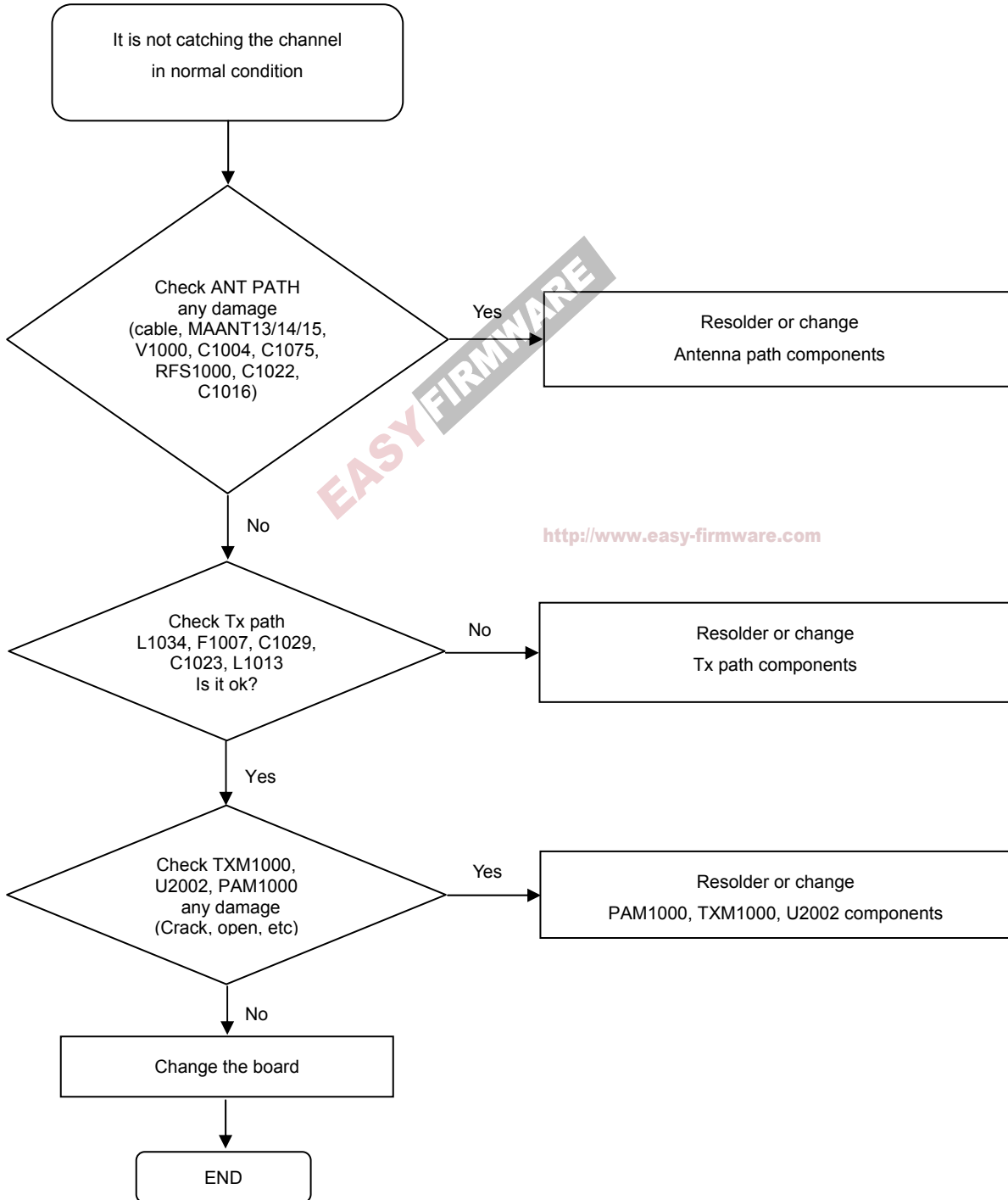
8-4-35 WCDMA B8, LTE B8 TX



<http://www.easy-firmware.com>

8. Level 3 Repair

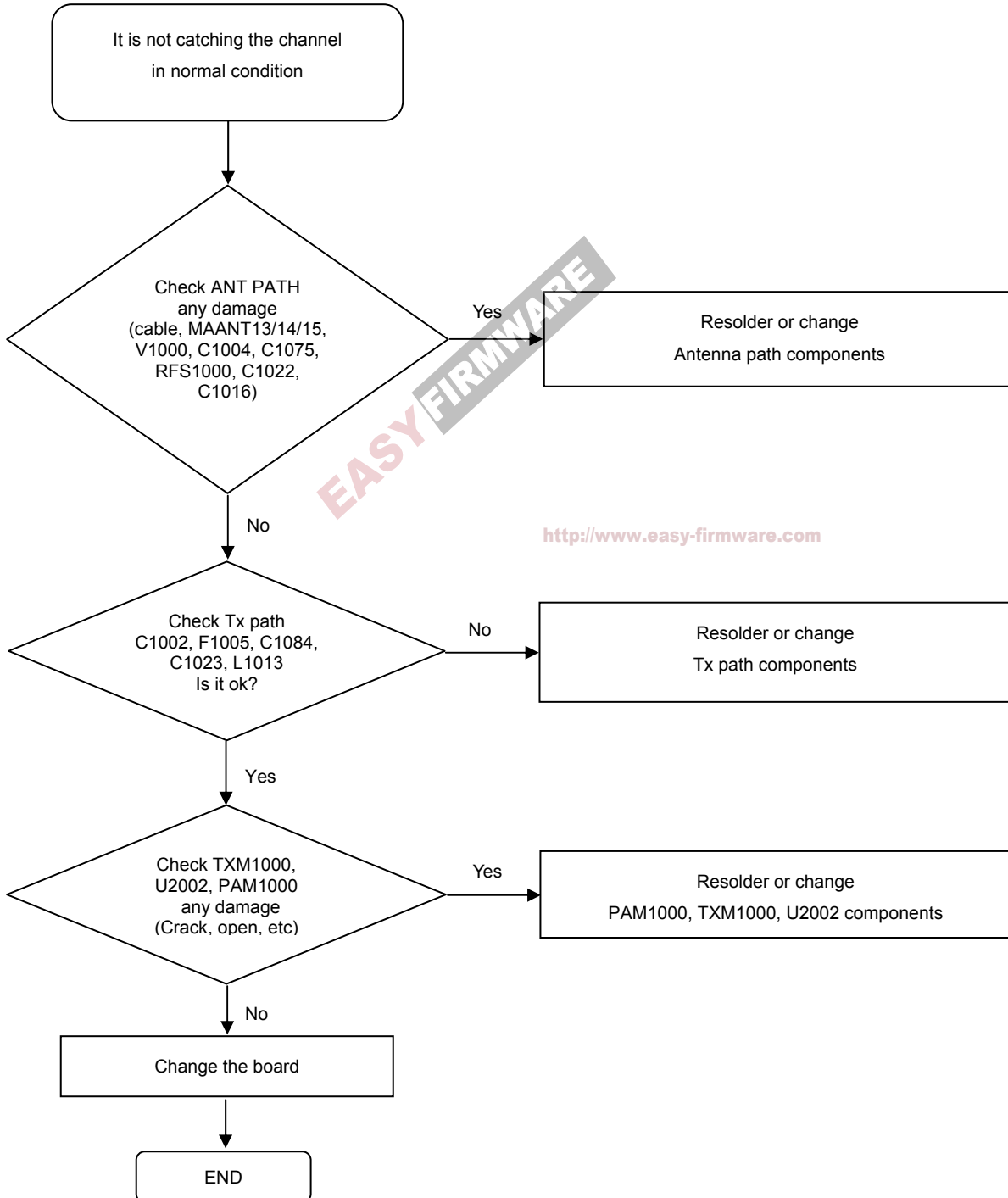
8-4-36 LTE B7 TX



<http://www.easy-firmware.com>

8. Level 3 Repair

8-4-36 LTE B40 TX



8. Level 3 Repair

8-5. Service Schematics

- NC Point(Top View)

UCP5000 (AP)

NC : AT12

