

# 1 Abstract

The purpose of this document is to provide a sequence of repair actions associated with different failure modes. The repair actions are listed in order of their probability of creating a successful repair. The first action has the highest probability, and subsequent actions have lower probabilities. The intention is for the repair technician to implement the first repair action and then retest the phone. If the phone continues to fail the same test, then the technician should continue to the second repair action. If the phone continues to fail the same test after all of the repair actions are exhausted, then the phone will be considered not repairable at this level.

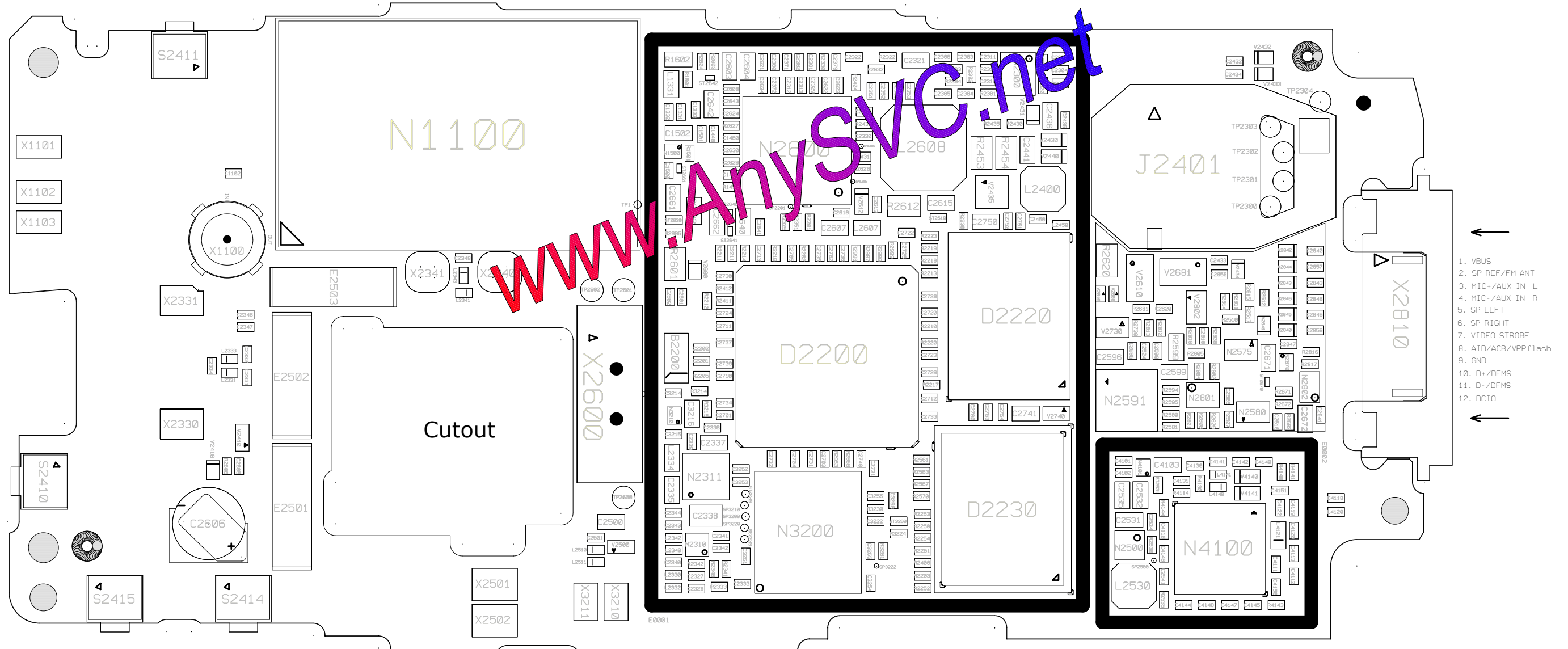
This document should be used only after the steps specified in the Mechanical Trouble Shooting Guide have been exhausted for the given problem area.

# 2 Repair Actions for Manual Test Failures

Test	Repair Action
Backup battery	1) C2606
Camera	1) X2510
Capacity	1) N2600
Charging	If the battery indicator does not show the correct level and the phone shows fully charged when the charger is connected. Use the software fix in EMMA III. 1) V2610 & V2681 2) N2600
USB charging	1) N2802
Display	1) X2500
Earphone	1) N2300 2) N2600
FM Radio	1) N4100
IR communication	1) H2410
Illumination, Display	1) N2500 2) X2500 3) N2600
Illumination, Keyboard	1) X2500 2) N2600

Joystick	1) Z2450 2) S2420
Components that can break during repair of the joystick (S2420) or ESD filter (Z2450)	V2411, V2412, V2413, V2414, V2415 & C2462
Keyboard & side keys	1) Z2450 3) S2420 4) S2411, S2414, S2415
Red LED	1) H2500
Microphone	1) B2370 2) N2300 3) N2600
Memory Stick	1) X1950
On/Off	1) S2410 2) V2416 3) B2200 4) D2230 5) X2600 6) N2600
Can't power off	1) V2410
Real Time Clock	1) B2200
SIM	1) J2401 2) N2600
Speaker	1) N2310
USB	1) N2802
Network	1) X1100 2) N1100 3) N2600

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