

7. Repair guide based on diagnosis

5) SDRAM Fail Case

- DDR RAM test fails as on the right.
- SDRAM replacement is needed.

The screenshot shows the BoardDiag v1.07 software interface. The 'Board Diag Test' section has checkboxes for 'AP check' (checked), 'EMMC TEST' (unchecked), 'SDRAM TEST' (checked), 'EMMC dump' (unchecked), and 'PMIC ON' (unchecked). The 'Restore Device' section has a checkbox for 'RESTORE BOOT IMAGE' (unchecked). The 'Test Results' section shows 'AP' as 'PASS' (green), 'EMMC' as 'N/T' (grey), and 'SDRAM' as 'FAIL' (red). The 'Test Results' section also has a 'START' button. The 'Image Extraction' section has fields for 'BIN' and 'DIR' with 'Extract' buttons. The main text area shows the following log:

```
AP CHECK = pass
===== END

===== DDR TEST START
Device Reset!!
Waiting for the device to connect in flash prg
DDR TEST = fail
PrimaryGPT partition write done..
sbl2 partition write done..
===== END

Test Completed !!
Elapsed Time : 0 hours 1 minutes 58 seconds

sbl2 partition write done..
```