

5. How to use BoardDiag(1)

→ In this step, The test device must be in Qdload(Qualcomm Download) mode !! (refer to chapter 4)

1) Booting Problem Test

The screenshot shows the 'Board Diag Test' window. On the left, under 'Board Diag Test', there are three checked checkboxes: 'AP check', 'EMMC TEST', and 'SDRAM TEST'. There is also an unchecked 'PMIC ON' checkbox. To the right of these are 'Partition' and 'Option' dropdown menus, with 'Option' currently set to 'Read/Writ'. Below these is a 'Restore Device' section with an unchecked 'RESTORE BOOT IMAGE' checkbox. On the right side, 'AP Chipset' is set to 'APQ8064', 'Com Port' is '10', and 'Target Dir' is 'D:\test\WF180S'. A large 'START' button is in the center. At the bottom, the 'Test Results' section shows 'AP N/T', 'EMMC N/T', and 'SDRAM N/T'.

1. Select **AP** chipset
2. Select **Com Port**
3. Select **Tartget Dir**
- Refer to chapter 6 (1) Image Extraction
4. Choose **AP check**
5. Choose **EMMC TEST**
- **Option Read/Write**
- Dump X
- Partition X
6. Choose **SDRAM TEST**
7. **START**

2) PMIC

The screenshot shows the 'Board Diag Test' window. On the left, under 'Board Diag Test', there are three checked checkboxes: 'AP check', 'EMMC TEST', and 'SDRAM TEST'. There is also an unchecked 'PMIC ON' checkbox. To the right of these are 'Partition' and 'Option' dropdown menus, with 'Option' currently set to 'Read/Writ'. Below these is a 'Restore Device' section with an unchecked 'RESTORE BOOT IMAGE' checkbox. On the right side, 'AP Chipset' is set to 'APQ8064', 'Com Port' is '10', and 'Target Dir' is 'D:\test\WF180S'. A large 'START' button is in the center. At the bottom, the 'Test Results' section shows 'AP N/T', 'EMMC N/T', and 'SDRAM N/T'.

1. Select **AP** chipset
2. Select **Com Port**
3. Select **Tartget Dir**
- Refer to chapter 6 (1) Image Extraction
4. Choose **AP check**
5. Choose **PMIC ON**
6. **START**