|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Writer** | | Eric Ruhl | | | | | | | |
| **Test Case Name** | | Charge Circuit | | | | | **Test ID** | MB-1 | |
| **Description** | | Measure Power input cutoff regions to battery from micro USB | | | | | **Type** | Black Box | X |
| White Box |  |
|  |  |
| **Test Information** | | | | | | | | | |
| **Name of Tester** | |  | | | | | **Date** |  | |
| **Relevant Version #** | |  | | | | | **Time** |  | |
| **Setup** | | With the switch in the ON position, plug the micro USB adapter into the micro USB port on the power board.  Set the power supply to output 5 volts and set the current limit to 10 mA.  While the power supply is in current view mode, connect the power supply to the leads of the micro USB adapter, and slowly bring the current limit up.  Attach the multi-meter leads to the capacitor. | | | | | | | |
| **Additional Equipment** | | Voltage Controlled, Current limited Power supply  Multi-meter  Bare Wire to Micro USB adapter  100 nF Capacitor with battery port connector | | | | | | | |
| **Stage** | **Operation** | | **Expectation** | **P** | **F** | **/** | **Comment** | | |
| 1 | Look at the multi-meter | | There will be a non-zero voltage reading |  |  |  |  | | |
| 2 | Wait | | The chip will not be smoking |  |  |  |  | | |
| 3 | Look at the multi-meter | | The voltage reading has gone up slightly |  |  |  |  | | |
| **Overall Results** | | | |  |  |  |  | | |