

Power Consumption Test Guide

1. Scenario:
5 hours for each cycle, 2 hours of scripted actions, and 3 hours sleep.
2. Preparation
 - a) Device preparation
 - Reset to factory state
 - Turn on Developer Options, and enable USB debugging to allow adb to work from a host PC.
 - Insert SIM card, enable data connection and set it to "Prefer 3G". Confirm the data connection is working before proceeding with the test cases.
 - Connect to a common WiFi hotspot.
 - Open Location access, and set the location mode to "High accuracy".
 - Set the Lock screen timeout or Lock screen Sleep to 2 minutes.
 - Copy the file **XiaomiPhone.mp4** file to /sdcard/Download in each device. You can also use a different video but rename it to XiaomiPhone.mp4.
 - Pre-installing the following "frontend" Apps
 - MX Player (Play the XiaomiPhone.mp4 video once)
 - GoogleMaps
 - BBC News
 - Facebook (Need to sign in to an existing account)
 - WhatsApp Messenger (Need to sign in to an existing account)
 - Pre-installing the following "Backend" Apps
 - Beep'nGo
 - Cricbuzz Cricket Scores & News
 - ES File Explorer File Manager
 - Instagram
 - Facebook Messenger (Need to sign in to an existing account)
 - Skype (Need to sign in to an existing account)
 - Truecaller
 - Uber (Need to sign in to an existing account)
 - UC Browser (Before starting the test cases, start the UC Browser once, and check "Do not ask again" when exiting the browser when you see the pop-up "Sure to exit UC Browser?")
 - Vault-Hide SMS, Pics & Videos
 - Xender
 - Zapya
 - Amazon Kindle
 - BBM (Need to sign in to an existing account)
 - Candy Crush Soda Saga
 - Clash of Clans
 - Firefox Browser

GO SMS Pro (Need to sign in to an existing account)

Google News & Weather

Kik (Need to sign in to an existing account)

LINE (Need to sign in to an existing account)

NFL Mobile

Path

Snapchat (Need to sign in to an existing account)

Tango

The Weather Channel

Twitter (Need to sign in to an existing account)

Vine

Weather & Clock Widget Android

Yahoo Weather

YouTube

- Open Google Maps, and search for "The Lalit New Delhi" once. (When using other addresses, need to replace the word "The Lalit New Delhi" in source file, which is in the file `\Demo816\src\com\miui\powerkeeper\testDemo\Map.java`)
- Login to WhatsApp on one device, and create a group named "India 819", and add all other test devices to this group.
- Set Alarm Clock alarms for every 5 hours, for 5 times.

b) Environment preparation

- Confirm that there is a usable WiFi hotspot and allows the above Apps to function normally, i.e. no firewalls .

3. Running test script

- Connect the test device via USB cable to a host PC.
- Running the following commands
`adb push uitest.jar /sdcard/Download`
`adb shell uiautomator runtest /sdcard/Download/uitest.jar -c`
`com.miui.powerkeeper.testDemo.PowerTest -e loop 10 -nohup`
- Once the script has started, disconnect the USB cable to ensure the device is not charging.