# Step 1. Test Preparation (1h)

The function development and event tracking development have been finished. The application to be tested is well understood and the test cases have been completed in advance.

# Step 2. Download and Install (0.5h)

Operate 2~3 watches (Z2/Z3/Z5) simultaneously. The installation package size is required not to exceed 30M and 40M after installation.

# Step 3. Functional Test (3h)

Operate 2~3 watches (Z2/Z3/Z5) simultaneously (wifi/ traffic/ interruption will occur in case of weak network signals).

Record the initial power. The initial temperature is about 30 degrees and the room temperature is about 26 degrees.

## 1. Perform the Test on the Watch for 30 Consecutive Minutes

1. Perform function tests for all test cases

2. Check whether it can normally interact with system-level functions and other functions in use, and pay attention to sound quality and volume

3. It is not allowed to display (by showing, pushing and searching) inappropriate contents for children: pornography, violence, gambling, drugs, etc.

4. In terms of fluency, there is no obvious stuck.

## 2. Compare Power Consumption and Flow Consumption Data After 30min of Operation

1. Watch end: power consumption shall not exceed 20%, and high temperature warning shall not occur

2. APP client: flow consumption statistics cannot exceed 100M, there is no exception in power consumption statistics, and the function switches can be turned on/off normally

## 3. Free Test

The test cases of the application are relatively simple. Tests are free and diverging.

## 4. Event tracking Test (usually conducted by application developers)

Check whether the events tracking are reasonable and whether they are comprehensive and prepared.

## 5. Server Pressure Test (usually conducted by application developers)

The server of the application needs to be tested by the application itself. It is necessary to confirm whether the application server has any restriction on the user level, what is the specific user level, and what measures shall be taken if it exceeds the limit.

## 6. Standby and Stability Test (15h)

1. Standby power consumption (interfaces in the application and other interfaces when the application to be tested has been started in the background)

It is suggested to perform this test at night. You just need to set it up before leaving work. The standby test results should not differ from the table below. Otherwise, there will be problems.

|  |  |  |  |
| --- | --- | --- | --- |
| **battery capacity** | **Standby time（h）** | **Standard current（mA）** | **Reference power consumption（%）** |
| **680** | **14** | **9.2** | **20.9** |
| **650** | **14** | **9.2** | **21.8** |
| **580** | **14** | **9.2** | **24.2** |
| **500** | **14** | **10.0** | **30.0** |

2. Monkey (2 ~ 3 watches)

Execution parameters: 250000 rounds, time interval: 100ms, random number: 100, no crash

# Others

* Refer to check table for other divergence tests
* Bug are collected and sent to developers after a round of test has been performed for all functions.

When multiple applications are being tested at the same time, please carry out functional tests during the day and then carry out power consumption and monkey tests at night.

* Please record the time node, bug and other key items in the verification process.