# Thermal Test

**CMCC Thermal Test**

**Precondition**

> turn off BT, turn off NFC, turn off location, CMCC mode, remove google play service, CMCC brightness, CMCC SIM card, sleep : after 30mins of inactivity, other settings are default.

**Catch log**

1. **Install powerall**

adb shell ./data/local/tmp/powerall.bash

select 11

2. **Push the ctlogger:**
   adb push ctlogger /data/local/tmp/
   adb push ctlogger.conf /data/local/tmp/
   adb shell chmod 777 /data/local/tmp/ctlogger
   adb shell chmod 777 /data/local/tmp/ctlogger.conf
   adb shell
   /data/local/tmp/ctlogger -c /data/local/tmp/ctlogger.conf -o /data/local/tmp/tsens_logger.csv
   &

**Test case**

| Case ID | case | Environment temp | Criteria | Front | Back | Thermal Result |
|---------|------|------------------|----------|-------|------|----------------|
| TR-021 | Fishing joy playing, **charging**(v2.1.1) | 25℃ | 45℃ | | | |
| TR-025 | Volte video call, **charging** | 25℃ | 40℃ | | | |

**Pull log**

> adb pull /data/local/tmp/tsens_logger.csv

> adb pull /data/local/tmp/powerall data\

**Check log**

> Batt_Current(uA) and quiet-therm (discharging >0)

**Geo Thermal Test**

**Precondition**

turn off BT, turn off NFC, turn off location airplane mode, sleep : after 30mins of inactivity, close google play services, default brightness and volume, connect wifi hotpot; other settings are default.

**Test case**

| case | Environment temp | Criteria | Front | Back | Thermal Result |
|------|------------------|----------|-------|------|----------------|
| KOH_HP | 25℃ | 45℃ | | | |
| NBA2K17_HP | 25℃ | 45℃ | | | |

**Others are refer to CMCC Thermal Test**

## note:

1. check device **quiet-therm**
   talos:/ # cd sys/class/thermal/thermal_zone61
   talos:/sys/class/thermal/thermal_zone61 # cat type
   quiet-therm
   talos:/sys/class/thermal/thermal_zone61 # cat temp
   38177

2. check devices **quiet-therm-adc**
   talos:/sys/class/thermal/thermal_zone62 # cat type

   quiet-therm-step

   talos:/sys/class/thermal/thermal_zone62 # cat mode
   enabled
   talos:/sys/class/thermal/thermal_zone62 # cat temp
   36979
3. first push powerall, and push ctlogger.conf
4. catch tsens_logger offscreen before start test