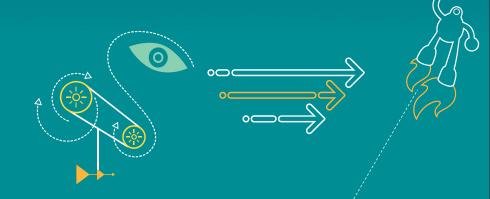
# 高通8952功耗温升优化技术期刊-20151228

## **Q**IIALCO**M**

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Qualcomm Technologies, Inc. 5775 Morehouse Drive San Diego, CA 92121 U.S.A. 高通技术股份有限公司,美国加利福尼亚州圣地亚哥市莫豪斯路 5775 号,邮编 92121

### **Checklist**

- Power Consumption Data Document/Link
- Power Measurement Checklist
- Power Debug Guide
- CR/Patches Checklist
- Tips

## **Checklist --- Power Consumption Data**

- External Document
  - MSM8952\_LA\_Current\_Consumption\_Data
    - Document #: 80-NT665-7
    - > You can find detailed power break down data in this document

#### **Checklist --- Power Measurement**

- Use perf\_defconfig instead defconfig
  - Remove "Debug" features
  - Double check if "CORESIGHT" config is removed
  - Double check if "CONFIG\_MSM\_DEBUG\_LAR\_UNLOCK" config is removed
- Disable UART console
  - Especially for smart panel
- Remove unnecessary debug log with high frequency
- Remove on-device logging tools
- Read Certicom ID from device
  - adb shell /system/bin/r 0xA0128
  - This is to make sure TT part is used for power measurement. For comparison purpose with RCM data only since TT part is used on RCM.

### **Checklist --- Power Debug**

- Power Debug Guide with Simplified Chinese
  - Document #: 80-P0955-1SC
  - There is detail guide on how to debug almost all cases like RBSC, MP3, MP4, camera etc. Just need to follow step by step
- Power Debug Guide with English
  - Document #: 80-P0955-1
- Camera Power Debug Guide
  - Document #: 80-NP961-1
- PerfLock API Overview
  - Document #: 80-NT384-1
- Multimedia Power Debugging Case
  - Document #: 80-NT616-1
- QUALCOMM ONDEVICE POWER DASHBOARD TEST GUIDE
  - Document #: 80-P1818-1EC
- LA Power Optimization
  - Document #: 80-NA157-246
- Android Power Overview
  - Document #: 80-NA157-246

## **Checklist --- CR/Patches**

N -- No Impact

- means Side Effect

+ means Good Impact

CR	Fix	Patches	Perf	Power	Stability	Comment
886603	Add wakelock in case of ipa suspend fail for LTE PS download power fail to CMCC criteria.	https://review- android.quicinc. com/#/c/137567 7/	N	+	N	
922539	XO shutdown issue with 4G data ON	https://review- android.quicinc. com/1439636	N	+	N	

## **Checklist --- Tips**

## RBSC

use IR camera to scan board's hot spot if RBSC current is high