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# 高通8952功耗温升优化技术期刊- 20151228

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Qualcomm Technologies, Inc.

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# Checklist

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

# Checklist --- Power Consumption Data

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- 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

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- 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

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- **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

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***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.	<a href="https://review-android.quicinc.com/#/c/1375677/">https://review-android.quicinc.com/#/c/1375677/</a>	N	+	N	
922539	XO shutdown issue with 4G data ON	<a href="https://review-android.quicinc.com/1439636">https://review-android.quicinc.com/1439636</a>	N	+	N	

# Checklist --- Tips

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