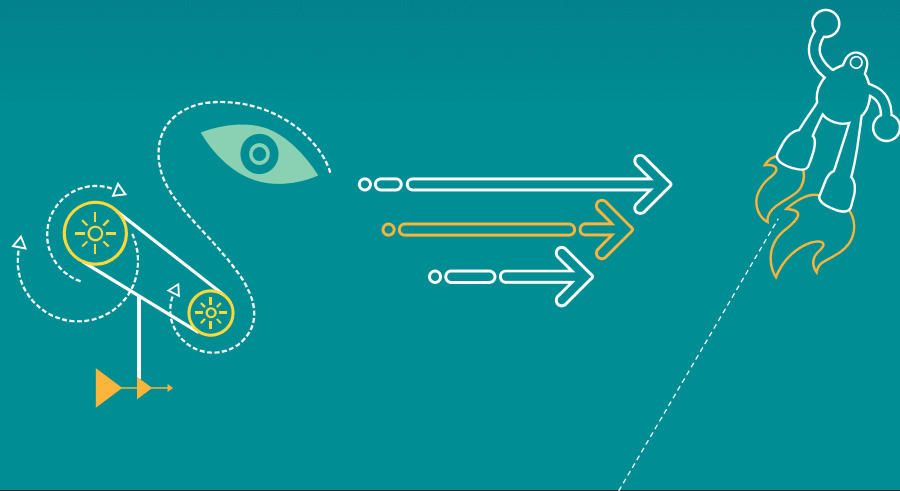

高通协议技术期刊 – 2016/04/19



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Revision History

Revision	Date	Description
A	Apr 2016	Initial release

Note: There is no Rev. I, O, Q, S, X, or Z per Mil. standards.

Contents

- ❑ Critical QMI/RIL CR#1001646 to fix side effect of CR979041.
- ❑ New fix CR# 993633 has revised version.
- ❑ FR 24898(LTE to TDS/GSM IRAT measurements pruning algorithm enhancement in Connected Mode).
- ❑ Multi-SIM Document
- ❑ Golden QXDM Log Mask
- ❑ On-Device Logging

Critical QMI/RIL CR#1001646 to fix side effect of CR979041

- **[Background]**

- In some PLs, QCRIL team introduced FR27607/CR979041. With this change, persist.radio.poweron_opt is set in system.prop.
- The intent is to accelerate the process of boot-up, because carriers have more strict goal on service available after boot-up.

-

- **[Side effect]**

- When NV453(FTM) is set, after reboot, user still finds modem becomes online.
- In most OEMs' factories, RF calibration must be done in FTM, this issue blocks the RF test.
- As you know, factory issue always has the top priority.

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- **[Solution]**

- CR#1001646 is filed, the change is simple as below. You can pick up below code change, or file a new case to us, if FR27607/CR979041 is merged into your baseline. You can check if persist.radio.poweron_opt is set in system.prop.

Critical QMI/RIL CR#1001646 to fix side effect of CR979041

- Change-Id: I5f7fad03e547ad82fabe4fb5026e57edb7d2e49a
- ---
- qcril_qmi/qcril.c | 10 ++++++--
- 1 file changed, 8 insertions(+), 2 deletions(-)
-
- diff --git a/qcril_qmi/qcril.c b/qcril_qmi/qcril.c index d8ff727..47da38e 100644
- --- a/qcril_qmi/qcril.c
- +++ b/qcril_qmi/qcril.c
- @@ -7044,8 +7044,14 @@ void qmi_ril_core_init_enter_warp()
- (void)qcril_sms_perform_initial_configuration(); // SMS initialization done right away
- QCRIL_LOG_INFO("QMI RIL! SMS init right away for both Non DSDS or DSDS");
-
- - /*Below optimization should hit only for first bootup*/
- - if(qmi_ril_is_feature_supported(QMI_RIL_FEATURE_POWER_ON_OPTIMIZATION) &&
- + /*Below optimization should hit only for first bootup
- + Also RIL should send LPM/ONLINE request to modem only if current
- + modem state is not FTM to avoid any issues with factory RF calibration. */
- + if (TRUE == qcril_qmi_nas_dms_is_in_ftm_mode())
- + {
- + qcril_qmi_nas_set_bootup_power_optimization_state(QCRIL_POWER_OPT_BOOT_UP_TRIGGER_COMPLETE);
- + }
- + else if(
- + qmi_ril_is_feature_supported(QMI_RIL_FEATURE_POWER_ON_OPTIMIZATION) &&
- (FALSE == qcril_qmi_nas_is_apm_enabled()) &&
- (QCRIL_POWER_OPT_BOOT_UP_TRIGGER_LPM == qcril_qmi_nas_get_bootup_power_optimization_state())
- {
- --
- 1.8.2.1

New fix CR# 993633 has revised version

- New fix CR# 993633 has revised version. Please file case to see if your build use revised CR# 993633 fix.

FR 24898(LTE to TDS/GSM IRAT measurements pruning algorithm enhancement in Connected Mode).


- In DPM, Currently the MAX layer inter-frequencies measurement is 7.
- To meet more inter-frequencies measurement, please pick up FR 24898(LTE to TDS/GSM IRAT measurements pruning algorithm enhancement in Connected Mode).

Multi-SIM Document

- We have published following documents in Create Point. These are modem-specific information regarding basics of MSIM design, supported DSDS solutions, features\capabilities etc. These aim to provide an overview of modem as an MSIM solution.
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- 80-NV396-109 : MPSS.TH.2.x Multi-SIM Solution Overview
- 80-P0304-4 : MPSS.TA Multi-SIM Solution Overview

Golden QXDM Log Mask

■ QXDM4:

- QXDM4 is the upgraded version of QXDM3, we recommend customers to use this new tool.
- Golden Log Mask: C:\ProgramData\Qualcomm\QXDM\Config\Qualcomm DMC Library\Primary\Default.dmc
- In QXDM4 tool, clicking  button can load the “Default.dmc” directly.



■ QXDM3:

- No Default.dmc along with QXDM install package.
- Please install QXDM4 and get the golden log mask in below path:
 - C:\ProgramData\Qualcomm\QXDM\Config\Qualcomm DMC Library\Primary\Default.dmc

On-Device Logging

- **On-Device logging**
 - For SD card log/LogKit, please use below golden log mask (*.cfg):



Default_CNMode
m_VL.cfg

Questions?

<https://support.cdmatech.com>

