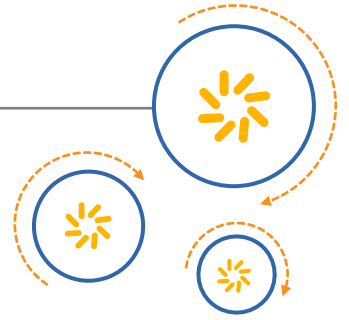




Qualcomm Technologies, Inc.



MSM8940 Linux Android Current Consumption Data

80-P4978-7 D

January 24, 2017

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Revision history

Revision	Date	Description
A	June 2016	Initial release
B	August 2016	Added section 2.3, Power tree images
C	November 2016	Added section 4.4, Breakdown measurements (per regulator values)
D	January 2017	Updated Table 4-1, Table 4-2 and Table 4-3

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1 Introduction

1.1 Purpose

This document provides the current consumption data for the MSM8940 chipset with AMSS 8940 software. The current consumption is highly dependent on software optimization.

1.2 Conventions

Function declarations, function names, type declarations, attributes, and code samples appear in a different font, for example, `#include`.

Code variables appear in angle brackets, for example, `<number>`.

Commands to be entered appear in a different font, for example, `copy a:*. * b:.`

Button and key names appear in bold font, for example, click **Save** or press **Enter**.

Shading indicates content that has been added or changed in this revision of the document.

1.3 Expectations

1.3.1 Device variation

The current consumption measurements recorded in this document are not expected to match either the current consumption measurements of an OEM design or another CDP of identical part numbers loaded with an identical software.

Variations in consumption measurements when compared to the OEM device are caused by the CDP using different components than the OEM design, that is, memory ICs, display ICs, peripheral ICs, and so on. Potential variations in measurement when compared to an identical CDP loaded with identical software are caused by normal silicon process variations in both the Qualcomm Technologies, Inc. (QTI) and non-QTI components, and power supply tolerances. Any differences in the measurement technique, equipment, or temperature also causes variations. Other factors, such as, floating CMOS inputs or taking measurements at maximum Tx power can affect both the reliability and repeatability of current consumption measurements.

The targets and measurements contained herein are typical values measured on a single CDP in a lab bench environment (room temperature). They are provided as a relative reference point and not as an absolute goal to attain.

1.3.2 Test case selection

The test cases selected for measurement in this document are intended to provide a wide range of coverage. Although the specific conditions required by an OEM may not appear in this list, there is a test case or combination of test cases, which suit the OEM requirement to be used for a baseline comparison.

1.4 OEM platform power optimization

OEM platform power optimization starts with comparisons to the QTI platform under one or more baseline test conditions provided in this document. When the OEM platform and CDP8940 platform have been compared and optimized in this known test case, then the differences between baseline and required test cases can be measured on the OEM platform and analyzed with QTI for optimization, if necessary.

Power optimization of an OEM platform is an iterative process that involves:

- Identifying power consumption differences between an OEM and QTI platform in similar test conditions
- Determining the source of those differences; these could be test conditions, hardware configuration differences, software control differences, and so on
- Deciding whether the source is an error that must be corrected, or is it intentional
- Correcting errors that are identified
- Repeating until all differences are corrected or determined to be intentional

As OEMs update their hardware platforms or integrate new software releases from QTI, the power consumption may change, triggering additional power optimization. It is necessary to note that during the software development process, the current consumption for some test cases may increase, as power improvement features may need to be delayed to a later release to meet stability requirements. Figure 1-1 is an example of OEM power consumption vs. CDP power consumption.

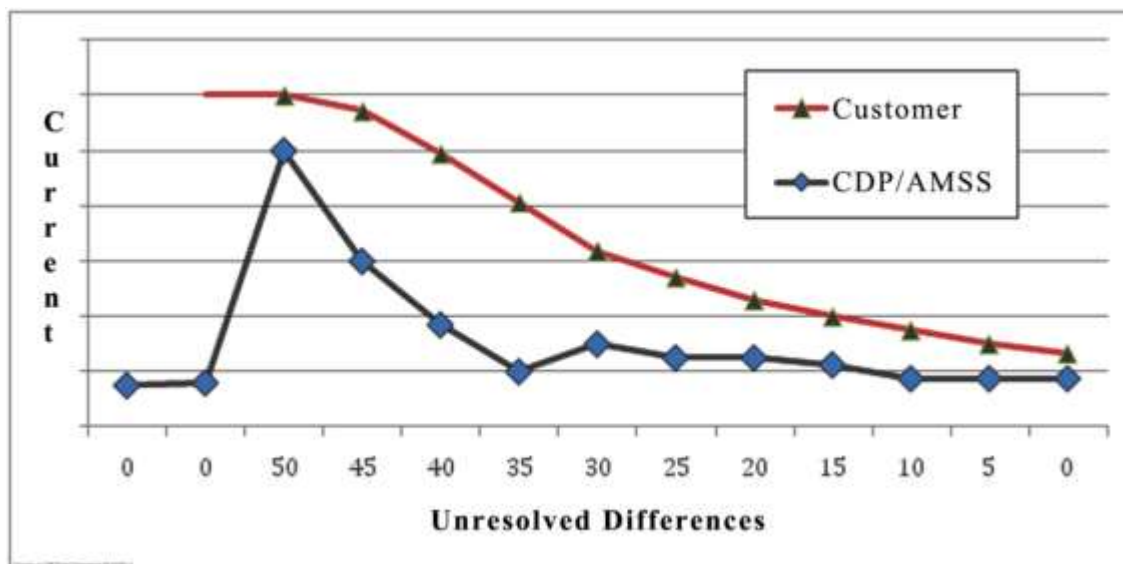


Figure 1-1 Representation of customer vs. CDP power consumption

When discussing power optimization with QTI, it is necessary to provide detailed information, including:

- Specific test conditions
- Available history of power measurements for these test conditions
- Goals for power optimization
- Recent hardware or software changes that may have affected power consumption
- Power consumption breakdown per voltage rail, if possible

1.5 Publication timeline for power measurement data

This document will be updated monthly with the latest available current consumption goals. Following the Feature Complete (FC) software release, key power rail breakdowns will be included once available. The measurement of these power rail breakdowns depend upon OEM requests for specific test cases and software releases. [Table 1-1](#) lists the publication timeline for current consumption data.

Table 1-1 Timeline for publishing current consumption data

Information provided	Guidelines for availability
Target current consumption for commercial software release	Available at the time of hardware engineering samples
Key power rail breakdowns for Table 3-1 test cases	Will be available on an as-requested basis for FC and later software releases; submit requests at https://support.cdmatech.com

1.6 GPIO configuration

To minimize the current consumption, OEMs must configure any and all unused GPIOs in one of the following methods:

- As outputs in their Logic Low state
- As inputs with their internal pull-downs enabled

In addition, any GPIO pin configured as an input that is driven by a peripheral device (Bluetooth (BT), WLAN, NFC, and so on) must be programmed with an internal pull-down, whenever the corresponding peripheral signal is set to its High Impedance state. The GPIO must be reprogrammed to remove the pull-down when the peripheral signal is taken out of its High Impedance state. These steps are required to prevent unwanted oscillation or high current leakage on the device's pins.

For additional information, see *Configuration of Input Pins During Device Sleep* (80-VN499-7).

1.6.1 Submit core modem power consumption measurement requests

To submit a request for power measurement not currently found in this document, open a Wireless Device Support case at <https://support.cdmatech.com>. The following information must be included in the case:

- Correct chipset, AMSS software build ID, and Operating System (OS)
- Initial problem type – Software
- Problem area 1 – BSP/HLOS
- Problem area 2 – Power/Thermal (BSP/HLOS)
- Problem area 3 – OEM-appropriate selection
- Problem description – Include battery level or breakdown, and the test case

Priority is given to standard test cases, as listed in [Table 3-1](#), and the measurements is provided within one week. Requests for nonstandard test conditions are evaluated on a case-by-case basis.

1.6.2 Submit multimedia power consumption measurement requests

To submit a request for a multimedia power measurement not currently found in this document, open a Wireless Device Support case at <https://support.cdmatech.com>. The following information must be included in the case:

- Correct chipset, AMSS software build ID, and OS
- Initial problem type – Software
- Problem area 1 – Multimedia
- Problem area 2 – Power
- Problem area 3 – Customer appropriate selection
- Problem description – Include battery level or breakdown, and the test case

Priority is given to standard test cases, as listed in [Table 3-1](#), and the measurement is provided within one week. Requests for nonstandard test conditions are evaluated on a case-by-case basis.

1.7 Technical assistance

For assistance or clarification on information in this document, submit a case to Qualcomm Technologies, Inc. (QTI) at <https://createpoint.qti.qualcomm.com/>.

If you do not have access to the CDMATech Support website, register for access or send email to support.cdmatech@qti.qualcomm.com.

2 Test setup

2.1 Devices used for testing

The following hardware and software configurations are used for measurements:

- MSM8940 and PM8940 devices, installed on a specially-configured CDP8940 Resistive Current Measurement (RCM) evaluation platform for power measurement purposes only
- Various MSM8940 AMSS software releases as defined throughout this document, along with the current consumption data being presented
- Display resolution with memory configuration used are 1080p DSI with 2x1GB LPDDR3s; Video mode panel, Portrait mode panel orientation
- The current consumption measurement is performed using the QTI Kratos power measurement system on the CDP-RCM (or RCM) platform

[Table 2-1](#) lists the chipset's devices used on the CDP8940 power measurement platform for each set of tests.

NOTE: Throughout this document, the phrase *MSM8940 chipset* refers to the combination of devices listed in [Table 2-1](#).

Table 2-1 Chipset ICs tested

QTI IC
MSM8940
PM8940
WTR2965
WCN3680B
PMI8940/PMI8950
WCD9326
WSA8810

2.2 Air interface test equipment

Chipset current consumption is measured with the MSM8940 platform configured for an air interface operating in a specific mode. The tested modes are defined in [Chapter 0](#). The test equipment used to emulate the air interface are:

- Most CDMA measurements – Agilent 8960 Wireless Communications Test Set
- Most LTE measurements – Anritsu MT8820C
- Most WCDMA measurements – Agilent 8960 or the Anritsu MT8820C Radio Communication Analyzer

- Most GSM measurements – Agilent 8960 or Anritsu MT8820C

2.3 Power tree

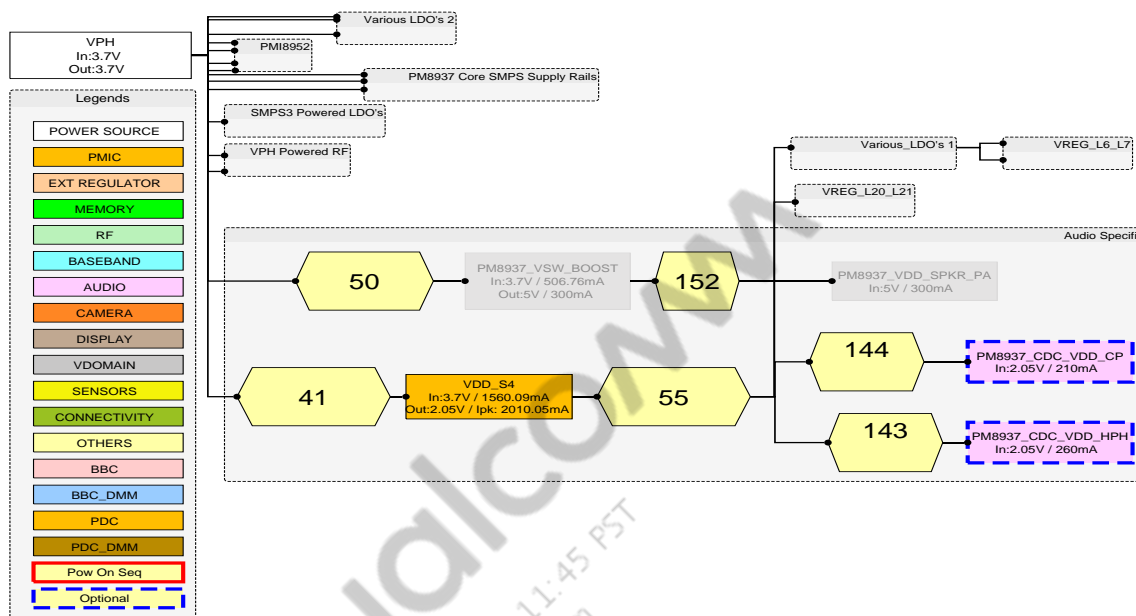


Figure 2-1 MSM digital and audio-specific branches

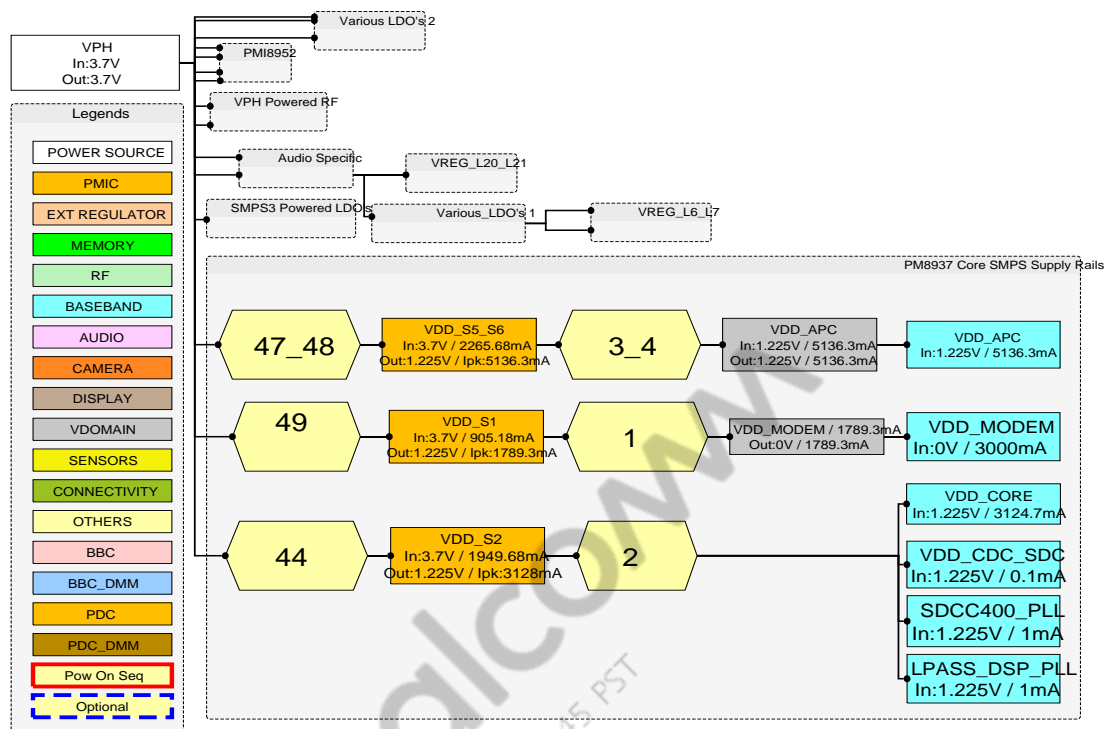


Figure 2-2 MSM digital branches (CX, MPSS, and APSS)

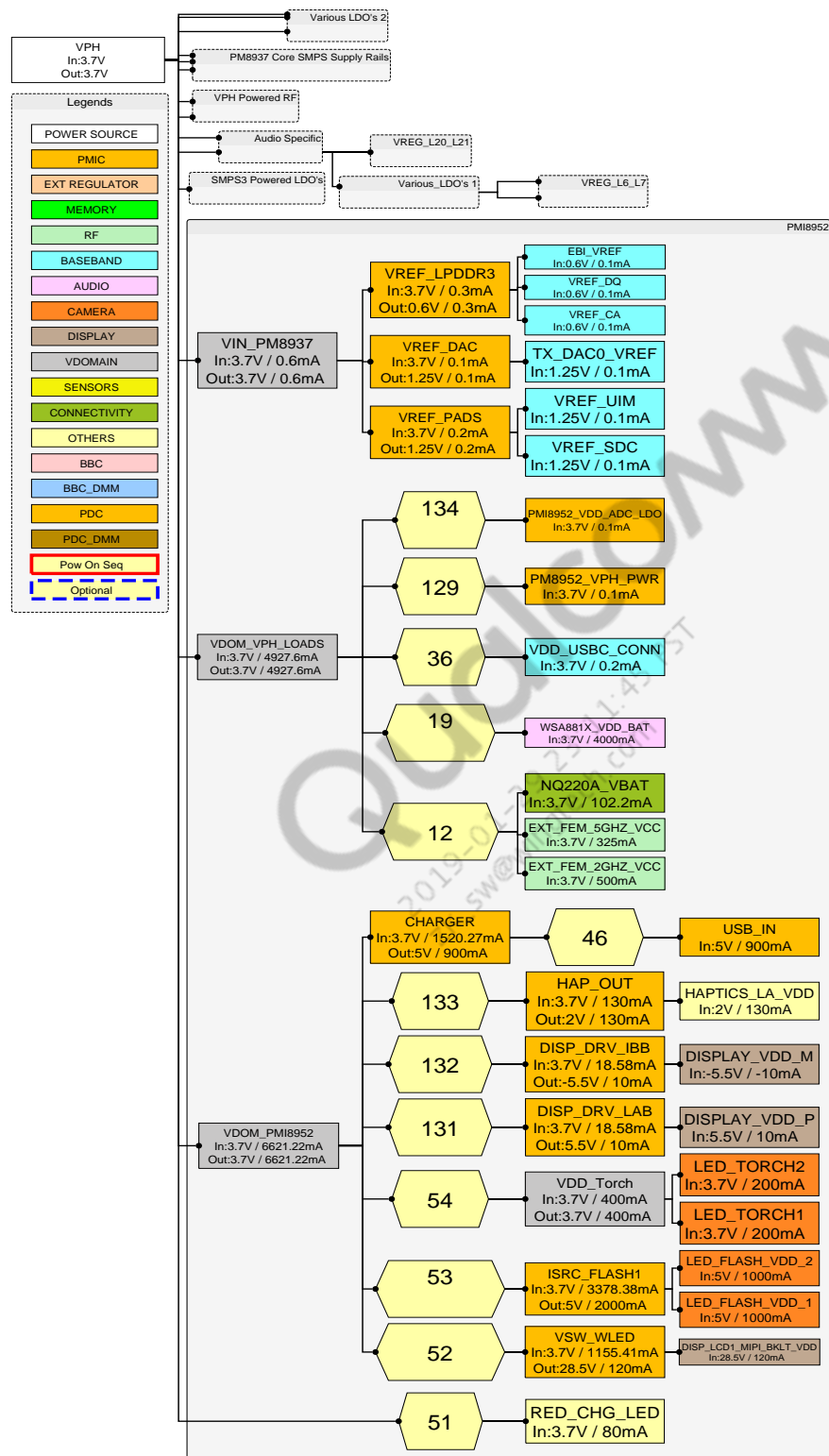


Figure 2-3 MSM digital, PMIC, and external load branches

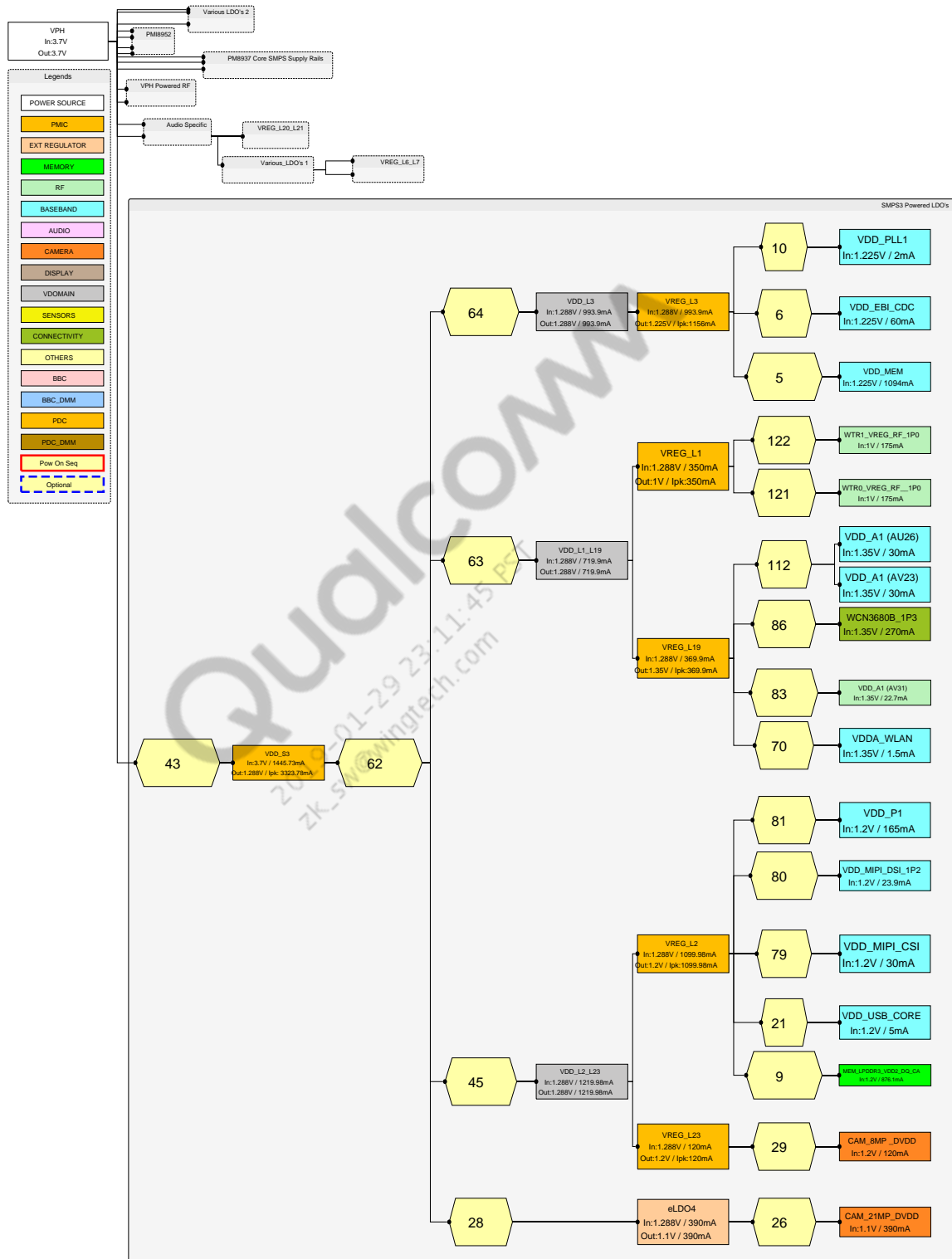


Figure 2-4 MSM digital, memory, WTR, camera, and connectivity branches



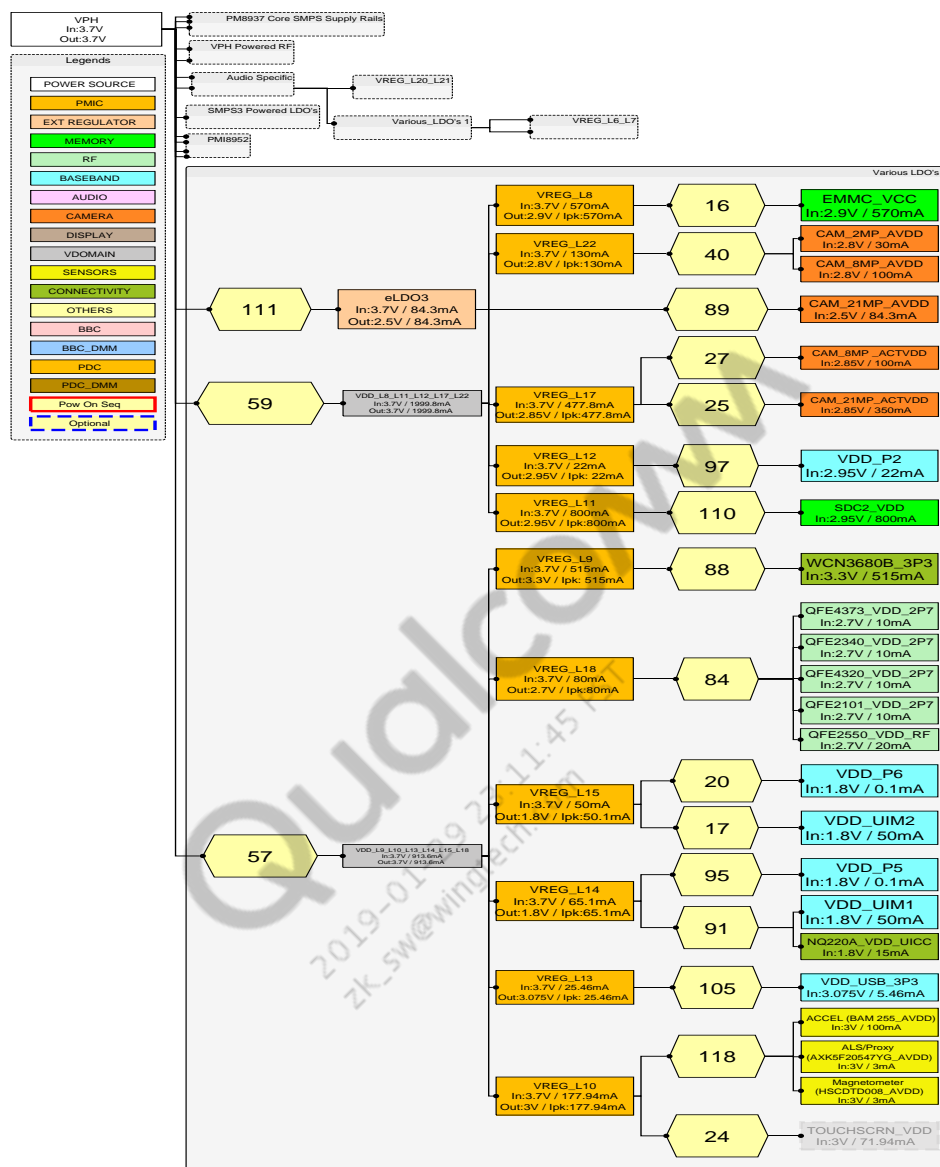


Figure 2-6 MSM digital, memory, UIM, SDCC, QFE, camera, sensor, display and connectivity branches

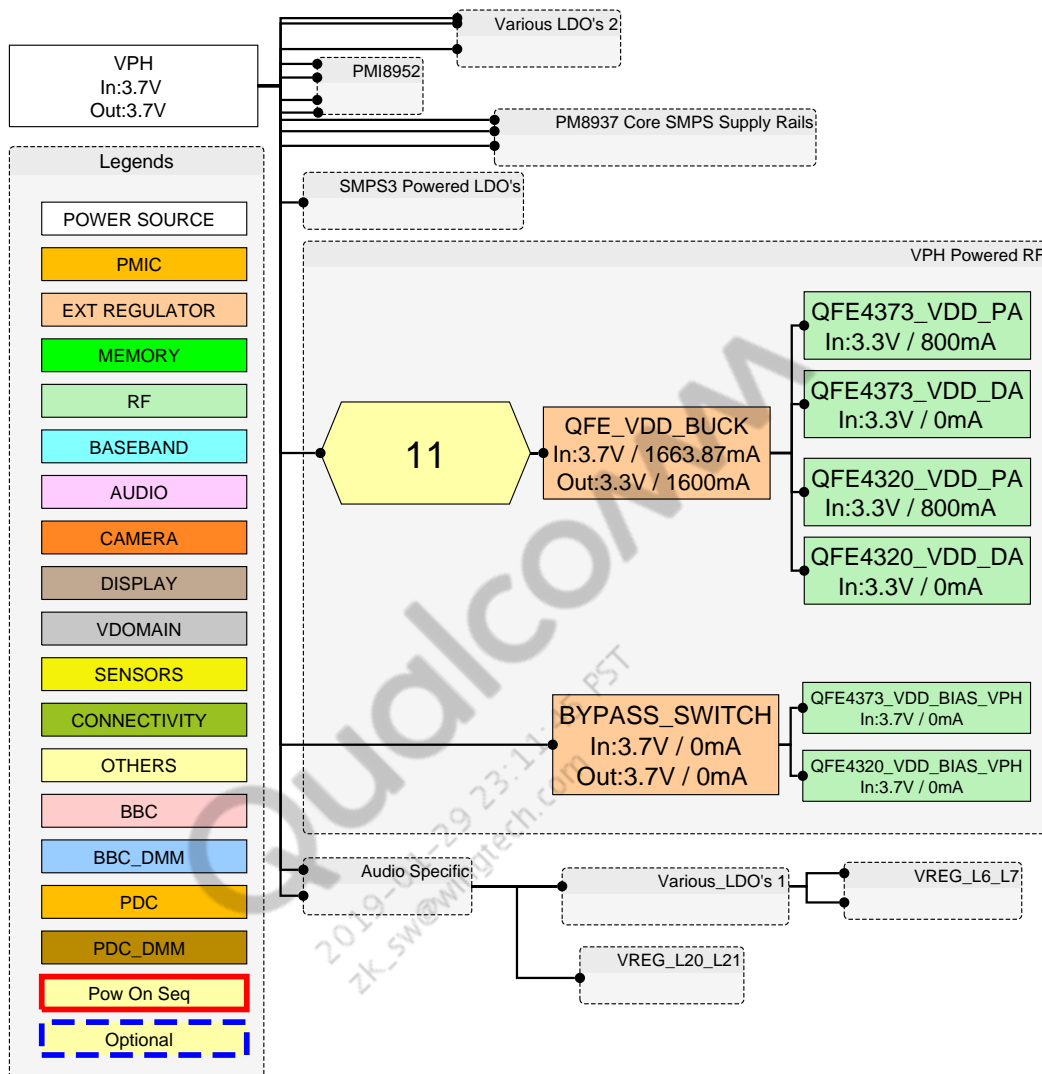


Figure 2-7 RF power branches

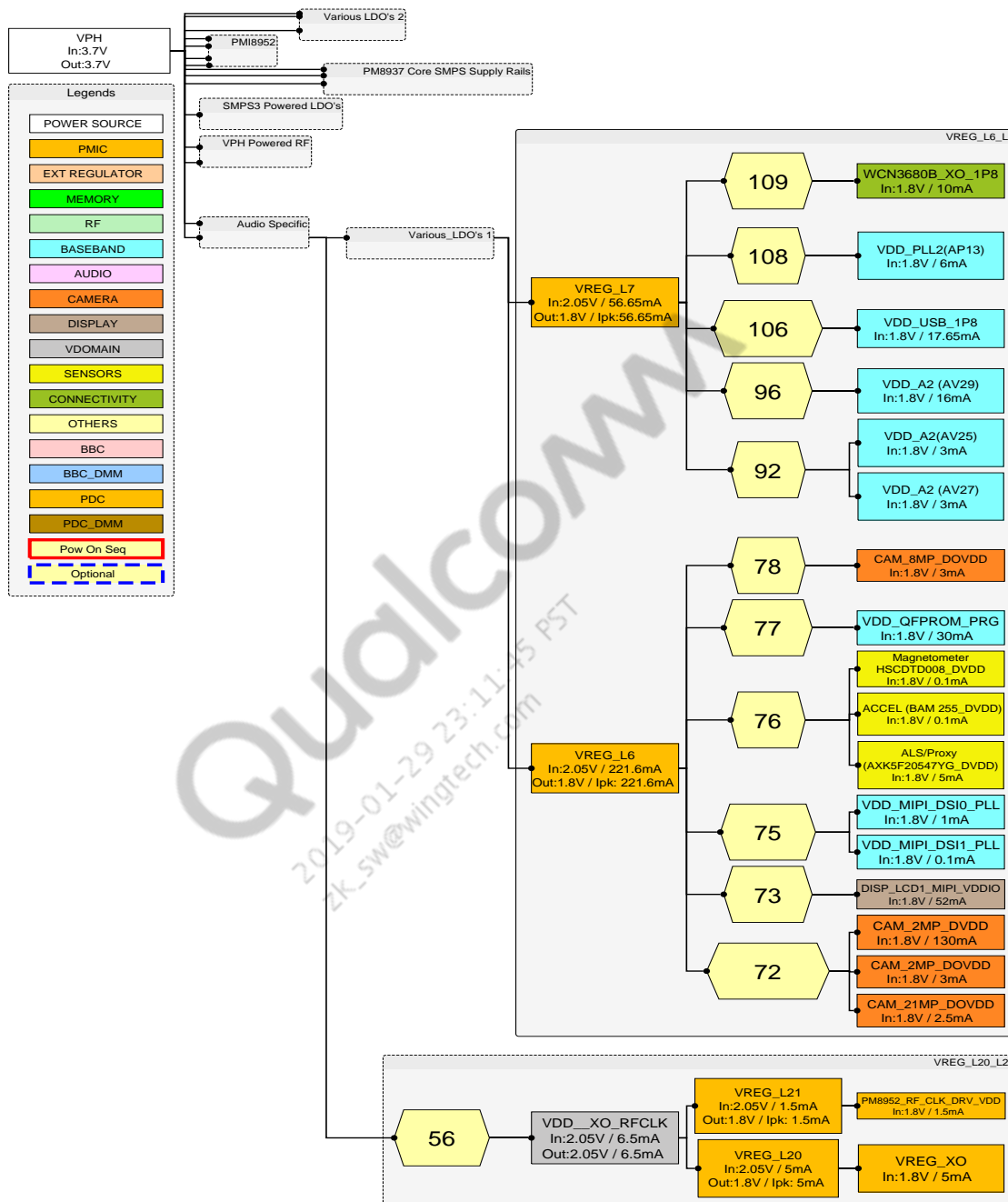


Figure 2-8 MSM digital, PMIC, codec, camera, sensors and connectivity branches

3 Test definitions

Definitions of test conditions (air interface configuration, multimedia, display activity, lighting status, and so on) for the current consumption tests are listed in [Table 3-1](#).

Table 3-1 Test definitions

Test case	Code	Operating band	Definition
Sleep (Airplane mode, rock bottom)	AIR1	–	Airplane mode selected through UI; if UI support is not present, configure modem in Low Power mode with no wake-ups for paging processing; backlight and display off.
WCDMA standby 2.56 sec	WS1	IMT	WCDMA idle, stationary A, Discontinuous Receive (DRx) 2.56 sec, RxAGC at phone ~ -50 dBm, duration 64 sec; Sintrasearch (intrafrequency) and Sintersearch (interfrequency) CPICH $E_c/I_o < -10$ dB; backlight and display off.
WCDMA talk + 0 dBm, IMT	WT1	IMT	WCDMA AMR voice, muted, empty frames on uplink and downlink, total Tx 0 dBm, RxAGC at phone ~ -50 dBm, IMT, no Receive Diversity (RxD); backlight and display off.
CDMA QPCH standby 5.12 sec	CS2	Cell	CDMA QPCH Standby mode, SCI = 2 (5.12 sec), RxAGC at phone ~ -50 dBm, single sector, no neighbors; cell band; backlight and display off.
EV-DO standby 5.12 sec	DS3	–	EV-DO (5.12 sec) only Standby mode. Rx AGC ~ -50 dBm, single sector, no neighbors. Cell band, duration 64 sec; backlight and display off.
CDMA talk + 0 dBm, cell band	CT1	Cell	CDMA-only mode, muted, empty frames on uplink and downlink, total Tx = 0 dBm, RxAGC at phone ~ -50 dBm, EVRC RC3 full rate, no headset, cell band; backlight and display off.
GSM standby 1.18 sec	GS1	PGSM	GPRS standby, MFRM5 (1.17 sec), RxAGC at phone ~ -50 dBm, PGSM, no neighbor, duration 59 sec; backlight and display off.
GSM talk 5 dBm, no Discontinuous Transmit (DTx), PGSM	GT1	PGSM	GSM full-rate voice, muted, DTx off, empty frames on uplink and downlink, total Tx = 5 dBm, RxAGC at phone ~ -50 dBm, PGSM, 100% voice activity; backlight and display off.
TD-SCDMA standby 1.28 sec	TCS1	Band 34	TD-SCDMA idle, stationary A, DRX 1.28 sec, Rx power level -50 dBm at phone antenna connector, test duration 64 sec. Sintrasearch (intra frequency) and Sintersearch (inter frequency) CPICH E_c/I_o is about -15 dB; backlight and display off.

Test case	Code	Operating band	Definition
TD-SCDMA talk 0 dBm, B34	TCT1	Band 34	TD-SCDMA voice, muted, empty frames on uplink and downlink, total Tx 0 dBm, Rx power level -50 dBm at phone antenna connector, IMT (B1); backlight and display off.
HSDPA downlink 7.2 Mbps + 0 dBm, IMT (RxD/no RxD)	HS22E/HS21E	IMT	HSDPA embedded, data socket initiated through the UI, downlink 7.2 Mbps, FTP, Tx = +0 dBm, no USB, RxD on/RxD off.
DC HSDPA downlink 42 Mbps + 0 dBm, IMT (no RxD)	HS61E	IMT	HSPA+ Cat 24 data socket initiated through UI, dual carrier (42 Mbps), UDP, 64 QAM, RxD off, IMT band.
TD-SCDMA HSDPA 2.8 Mbps	TDHS1E	B34/39	TD-SCDMA HSDPA at 2.8 Mbps, Tx 0 dBm, without USB, 16 QAM, RxD off, band 34/39; backlight and display off.
LTE standby 2.56 sec	LS1	Band 13	LTE Standby mode, DRx = 2.56 sec, RxAGC at phone ~ -50 dBm, no neighbors, duration 64 sec; backlight and display off.
LTE TDD standby 2.56 sec	LS3	B41	LTE TDD Standby mode, DRx = 2.56 sec, ULDL2, SSF#7, B41, Rx power level -50 dBm at phone antenna connector, measurement duration 64 sec; Sintra = 0 and Snointra = 0, no neighbor cells, backlight and display off; EPRE = -50 dBm/kHz.
LTE Cat 3 (68/23 Mbps, + 0 dBm, B13)	LTE1E	Band 1	LTE data Cat 3, 2 x 2 MIMO, RB 50, MCS 28, 64 QAM, CP normal; PCFICH 3sym, DCI 1A, type 0, PHICH 1/6, Tx 0 dBm, downlink spectrum bandwidth 10 MHz; backlight and display off – Embedded.
LTE Cat 4 (150/50 Mbps, 0 dBm, B7)	LTE7E	Band 1	LTE data Cat 4, 2x2 MIMO, RB 100, MCS 28, 64 QAM, CP normal; PCFICH 3sym, DCI 1A, type 0, PHICH 1/6, Tx 0 dBm, downlink spectrum bandwidth 20 MHz; backlight and display off – Embedded.
LTE TDD Cat 3 20 MHz (60/18 Mbps + 0 dBm, B38)	LTE5E	B38	LTE data Cat 3, ULDL1, SSF#7, 2x2 MIMO, RB 100, MCS 23, 64 QAM, B38, CP normal, PCFICH 3sym, DCI 1A, type 0, PHICH 1/6, Tx 0 dBm, DL spectrum Bandwidth 20 MHz; backlight and display off.
LTE CAT3 CA 10 MHz + 10 MHz	LTE8E	B1+B3/B2 +B29	LTE CAT3 carrier aggregation 10 MHz + 10 MHz (100/25 Mbps downlink and uplink respectively, B17 Tx + B4), 0 dBm.

Test case	Code	Operating band	Definition
VoLTE TDD (40 ms DRX cycle, +0 dBm, MIMO, B38/B40)	VOLTE6	B38/B40	<p>VoLTE talk 0 dBm 40% voice activity + 40% listen state + 20% silent state, 40 ms CDRX, SPS, CMCC config, B38/B40</p> <p>Test conditions</p> <p>Embedded LTE AMR-WB full-rate voice, Tx power 0 dBm, LTE TDD 20 MHz bandwidth, UL/DL config 1, SSF 7, 40 ms CDRX, HARQ:4 Dynamic scheduling in UL and DL, 40% voice activity + 40% listen state + 20% silent state, backlight and display off, on-duration of 2 ms, inactivity timer of 2 ms.</p> <p>Average the power over three runs.</p> <ol style="list-style-type: none"> 1. Run with 0% voice activity (play 100% VA file in the remote device, mute local device) 2. Run with 100% voice activity (mute remote device, play 100% VA file in the local device) <p>Run with 0% activity with both devices (mute remote device as well as local device)</p>
VoLTE FDD (40 ms DRX cycle, +0 dBm, MIMO, B1)	VOLTE1	B1	<p>VoLTE talk 0 dBm 40% voice activity + 40% listen state + 20% silent state, 40 ms CDRX, dynamic scheduling, 10 MHz, timers 2 ms, B1</p> <p>Test conditions</p> <p>Embedded LTE AMR-WB full-rate voice, Tx power 0 dBm, LTE 10 MHz bandwidth, 40 ms CDRX, HARQ:4 Dynamic scheduling in UL and DL, 40% voice activity + 40% listen state + 20% silent state, backlight and display off, on-duration 2 ms, inactivity timer 2 ms</p> <p>Average the power over three runs.</p> <ol style="list-style-type: none"> 1. Run with 0% voice activity (play 100% VA file in the remote device, mute local device) 2. Run with 100% voice activity (mute remote device, play 100% VA file in the local device) <p>Run with 0% activity with both devices (mute remote device as well as local device)</p>
DSDS GSM + GSM – 0.47 sec + 0.47 sec	GGs2	–	<p>GSM Slot1 – MFRM = 4 (0.47 sec), Rx AGC ~-50 dBm; GSM Slot2 – MFRM = 2 [0.47 sec], Rx AGC ~-50 dBm; GSM band = PGSM backlight and display off.</p>
DSDS WCDMA + GSM – 0.64 sec + 0.47 sec	WGS3	–	<p>WCDMA band = IMT (B1); GSM band = PGSM; WCDMA Slot1 – DRX = 0.64 sec, Rx AGC ~-50 dBm, GSM Slot2 – MFRM = 2 (0.47 sec), Rx AGC ~-50 dBm Sintrasearch (intrafrequency) and Sintersearch (interfrequency) CPICH $E_c/I_o < -10$ dB; backlight and display off.</p>
TD-LTE (1.28 sec) + GSM (0.47 sec) standby	LSGS1	–	<p>LTE TDD Standby mode, DRX = 2.56 sec, ULDL1, SSF#7, B40, Rx power level -50 dBm at phone antenna connector, measurement duration 64 sec, no neighbor cells; backlight and display off + EPRE = -50 dBm/kHz GPRS standby, DRX (0.47 sec), RxAGC @ phone ~ -50 dBm, PGSM, no neighbor, duration 64 sec; backlight and display off.</p>

Test case	Code	Operating band	Definition
TD-SCDMA (0.64 sec) + GSM (0.47 sec) standby	TCSGS1	–	TD-SCDMA idle, stationary A, DRX 0.64 sec, Rx power level -50 dBm at phone antenna connector, test duration 64 sec. CPICH E_c/I_o is about -15 dB; backlight and display off + EPRE = -50 dBm/kHz + GPRS standby, DRX (0.47 sec), RxAGC @ phone ~ -50 dBm, PGSM, no neighbor, duration 64 sec; backlight and display off.
GPS 1 Hz Trk (DPO) with WCDMA standby	GPS2	IMT	GPS standalone 1 Hz tracking (DPO); GPS standalone 1 Hz tracking in strong signal conditions; backlight and display off.
Global Navigation Satellite System (GNSS) 1 Hz Trk high sensitivity with WCDMA standby	GNSS1	IMT	GLONASS standalone 1 Hz tracking high sensitivity; backlight and display off.
MP3 playback 128 kbps TM	AU4A	–	MP3 at 44.1 kHz 128 kbps stereo; refer to <i>MP3 at 44.1 kHz 128 kbps Stereo Clip for Power Measurements</i> [MH80-VR010-5].
Listen – 100% silence	AU34A	–	Listen keyword detection using 16 kHz mono signal, 100% silence, user-verification on, single keyword.
Listen – 100% speech	AU35A	–	Listen keyword detection using 16 kHz mono speech, 100% speech, user-verification on, single keyword.
HEVC 720p decode, 30 fps	QTC100A	–	30 fps at HD 720 H.265 3 Mbps, Headset mode, volume set to 50% (8/15 levels)
Video decode (H.264 720p, 30 fps)	QTC77A	–	30 fps at HD 720p H.264 10 Mbps AAC + 96 kbps 44.1 kHz stereo; refer to <i>30 fps at HD 720p H.264 10 Mbps AAC+ 96 kbps 44.1 kHz Stereo (Qtc77) Clip for Multimedia Power Measurement</i> [MH80-VR010-7].
Video decode H.264 30 fps 1080p, 20 Mbps	QTC88A	–	30 fps at HD 1080p 20 Mbps AAC+ 96 kbps 44 kHz stereo; refer to <i>30 fps at HD 1080p H.264 20 Mbps AAC+ 96 kbps 44 kHz Stereo (Qtc88) Clip for Multimedia Power Measurement</i> [MH80-VR010-8].
H.264 720p encode, 30 fps	QMC15A	–	30 fps at HD 720p H.264 14 Mbps, AAC+
Graphics (3D UI full-screen resolution 30 fps [PowerLift]) – Comp. bypass	QGC23A	–	EXE, PowerLift 3D OpenGL ES Graphics Benchmark Tool Ver 4.6.01 for Linux Android-enabled devices; refer to <i>EXE, PowerLift 3D Linux Android Graphics Tool Release 5.2.00</i> [HK11-NC876-1].
3D Gfx Egypt 60 fps	QGC24A	–	Test scenario: 1. Set system in Airplane mode. 2. Check if the display is on. 3. Set Full screen mode of the platform, FPS (full speed, capped by platform Vsync). Note: It is expected that every platform yields differing power results. These results are a function of LCD intensity, serial interface, and display resolution of the screen and fps.
Static image display	LCD04A	–	Static image display, at full-screen resolution, at VSync

Test case	Code	Operating band	Definition
Accelerometer 10 Hz background processing	SNS5A	–	Test scenario: 1. Disable screen auto-rotate. 2. Set to Airplane mode. 3. Disable GPS. 4. Allow screen timeout when charging. 5. Set screen timeout to 1 min. 6. Power cycle the DUT. 7. Verify screen is off during test.
Accelerometer 15 Hz active processing	SNS4A	–	Airplane mode, display on, 15 Hz running using Qsensor test application.
BT (page scan + sniff) with WCDMA standby	BT2	IMT	BT headset bonded, connected, and UE accepting other BT connection requests; BT sniff cycle 1.28 sec and page scan cycle of 1.28 sec; backlight and display off.
WLAN DTIM1 with WCDMA standby	WLS1	IMT	Test scenario: 1. Turn on Airplane mode. 2. In the configuration file, set listen interval to 100 ms and enable BET. 3. Turn on Wi-Fi and connect to the AP. 4. Turn off the display. Note: Measurement should be in a shielded environment.
Browser over Wi-Fi	WB1A	Wi-Fi	Loading and rendering of low complexity web page (no JavaScript, no Flash); reload every 40 sec (for video, refer to <i>EXE, iBench V.4.6.01 for Linux Android-Enabled Devices</i> [72-N7696-1]).
Video streaming over Wi-Fi	VS6A	Wi-Fi	Video streaming over Wi-Fi (720p 2.3 Mbps)

Note: All test codes ending with A were performed in Airplane mode.

4 Chipset current consumption

4.1 Commercial software release target values – Top-level

Commercial software release target values are predictions of the current consumption for the first commercial-quality software release for an OS. These targets **will not be updated** after the commercial software is released.

Commercial software release target values for the operational modes defined in Table 3-1 are listed in Table 4-1 for MSM8940 with PM8940. These values show optimized hardware and software configurations and are normalized to a 3.7 V supply voltage.

The power ranges listed in Table 4-1 are the projected power consumption values for a typical device (~50th percentile) and a device at the 95th percentile of the device distribution. Devices that fall outside this range are to be expected. For maximum power specifications, QTI provides a power limit for the AP Dhrystone power and sleep power of the VDD_CORE and VDD_MEM voltage rails. See *MSM8940 Device Specification (Advance Information) 80-P4978-1* for details.

NOTE: The 28nm manufacturing process variation across parts and foundries lead to power distribution. The exact shape and median of this distribution is expected to vary over time with the maturing of the 28nm process across foundries.

NOTE: The following table has been updated.

Table 4-1 Top-level current consumption targets for MSM8940 with PM8940

Category	Test case	Code	Tj ©	MSM8940 2x1GB LPDDR3s 1080p display, PM8940 with integrated codec WCN3680B, WTR2965 estimated power range goal (mA)
Modem	Airplane	AIR1	25	2 - 2.5
	WCDMA Standby 2.56s	WS1	25	2.3 - 2.9
	GSM Standby 1.18s	GS1	25	2.6 - 3.3
	CDMA QPCH 5.12s	CS2	25	2.3 - 2.9
	EVDO Standby 5.12s	DS3	25	2.4 - 3.0
	FDD LTE Standby 2.56s	LS1	25	2.5 - 3.1

Category	Test case	Code	Tj [°]	MSM8940 2x1GB LPDDR3s 1080p display, PM8940 with integrated codec WCN3680B, WTR2965 estimated power range goal (mA)
	TDD LTE Standby 2.56s	LS3	25	2.6 - 3.3
	TDSCDMA Standby 1.28s	TCS1	25	2.6 - 3.3
	FDD LTE CDRx Standby 320s	CDRxS1	25	14 - 17.5
	TDD LTE CDRx Standby 320s	CDRxS4	25	17 - 21.3
	DSDS G+G: 0.47s+0.47s	GGs2	25	5.4 - 6.8
	DSDS W+G: 0.64s+0.47s	WGS3	25	5.3 - 6.6
	DSDS TDLTE+G: 1.28s+0.47s	LSGS1	25	5.4 - 6.8
	DSDS TDSCDMA+G: 0.64s+0.47s	TCGS4	25	5.1 - 6.4
	WCDMA talk + 0 dBm, IMT, B1	WT1	25	116 - 133
	CDMA talk + 0 dBm, cell band	CT1	25	107 - 124
	GSM talk + 5 dBm, no DTX, PGSM	GT1	25	85 - 98
	TD-SCDMA talk + 0 dBm	TCT1	25	73 - 83
	HSDPA downlink 7.2 Mbps + 0 dBm, IMT (Rx/D)	HS22E	25	154 - 177
	DC HSDPA downlink 42 Mbps + 0 dBm, IMT (no Rx/D)	HS61E	25	167 - 192
	EVDO DL 3.1Mbps +0dBm, CEL	DD1E	25	144 - 166
	TDSCDMA HSDPA 2.8Mbps (Rx/D OFF), B34	TDHS1E	25	108 -125
	LTE Cat 3, 10 MHz (68/23 Mbps, 0 dBm, B1)	LTE1E	25	256 - 294
	LTE Cat 4, 20 MHz (150/50 Mbps, 0 dBm, B1)	LTE7E	25	376 - 432
	TDD LTE Cat3 20MHz, B38	LTE5E	25	260 – 299
	FDD-LTE Cat 3 2xCA 10 + 10 (100/25 Mbps, 0 dBm, B1+B3/B2+B29)	LTE8E	25	418 - 480
	FDD LTE Cat6 20+20MHz (300/50MBPS), B3+B7	LTE10E	65	653 - 751
	FDD LTE Cat7 20+20MHz (300/100MBPS), 0dBm	LTE41E	65	831 - 956
	FDD LTE Cat3 10MHz(PDCCH only), B1	-	25	114 - 132

Category	Test case	Code	Tj [°]	MSM8940 2x1GB LPDDR3s 1080p display, PM8940 with integrated codec WCN3680B, WTR2965 estimated power range goal (mA)
	FDD LTE Cat6 20+20MHz(PDCCH only), B1	-	25	304 - 350
	FDD LTE Cat4 20MHz(PDCCH only), B1	-	25	166 - 191
	FDD VoLTE call(Listen), B1	-	25	88 - 101
	FDD VoLTE call(Silent), B1	-	25	79 - 91
	FDD VoLTE call(Talk), B1	-	25	118 - 135
	FDD VoLTE call B1	VoLTE1	25	98 - 113
	TDD VoLTE call(Listen), B38/B40	-	25	127 - 147
	TDD VoLTE call(Silent), B38/B40	-	25	122 - 140
	TDD VoLTE call(Talk), B38/B40	-	25	141 - 162
	TDD VoLTE call B38/B40	VoLTE6	25	132 - 151
GPS	GPS 1 Hz Trk (dynamic power optimization)	GPS2	25	11 - 14
	GNSS 1 Hz Trk	GNSS1	25	48 - 55
Multimedia	MP3 playback 128 Kbps Tunnel mode	AU4A	25	21 - 27
	Listen (SVA), 100% silence	AU34A	25	13 - 17
	Listen (SVA), 100% speech	AU35A	25	15 - 19
	H.264 720p decode, 30 fps	QTC77A	25	94 - 108
	H.264 1080p decode, 30 fps	QTC88A	25	111 - 128
	16MP ZSL camera preview, 30fps	-	45	253 - 291
	16MP ZSL camera snapshot	-	45	276 - 318
	1080p Encode(16MP sensor), 30fps	-	45	359 - 413
	3D UI 30 fps (graphic, power lift)	QGC23 A	25	112 - 129
	3D Gfx Egypt 60 fps (45c)	QGC24 A	45	376 - 432
	Static image (48fps)	LCD04A	25	38 - 44
	Browser over Wi-Fi	WB1A	25	57 - 66
	Video streaming 720p over Wi-Fi	VS6A	25	135 - 155
	T-Rex, 15fps	-	45	375 - 432

Category	Test case	Code	Tj [°]	MSM8940 2x1GB LPDDR3s 1080p display, PM8940 with integrated codec WCN3680B, WTR2965 estimated power range goal (mA)
Sensor	Background 20 Hz buffering of accelerometer data with 1 Hz ADSP wakeup	SNS6A	25	2.3 - 2.9
	Accel Active use case @15Hz	SNS4A	25	41 - 47

NOTE: The following table has been updated.

Table 4-2 Top-level current consumption targets for MSM8940 with PM8940 for command mode panel

Category	Test case	Code	Tj [°]	MSM8940 2x1 GB LPDDR3s 1080p display, Command Mode PM8940 with integrated codec, WCN3680B, WTR2965 estimated power range goal (mA)
MultiMedia	H.264 720p decode, 30 fps	QTC77 AC	25	86 - 99
	H.264 1080p decode, 30 fps	QTC88 AC	25	103 - 119
	3D UI 30 fps (graphic, power lift)	QGC23 AC	25	103 - 119
	Static image (48fps)	LCD04 AC	25	4 - 5
	Browser over WiFi	WB1AC	25	23 - 26

NOTE: The following table has been updated.

Table 4-3 Top-level current consumption targets for MSM8940 with PM8940 for high performance use cases

Category	Test case	Code	Tj [°]	MSM8940 2x1 GB LPDDR3s 1080p display, Command Mode PM8940 with integrated codec, WCN3680B, WTR2965 estimated power range goal (mA)
MultiMedia	1080p video playback over WFD	-	45	342 - 394
	Camcorder 1080p w/ 16MP sensor & seemore enabled	-	45	422 - 485
	Octa-core dhrystone 1.4GHz/1.1GHz	-	85	933 - 1072
	LTE Cat7 ULCA, 300/100MBPS, 23dBm	LTE48ET	65	1322 - 1521
	Skype over LTE Cat7 ULCA	WB1AC	65	740 - 851

NOTE: The above power dashboard numbers are estimated power range goals and do not include contribution from the peripheral components like LCM, camera sensors, and so on.

4.2 Battery size for MSM8940-based designs

The MSM™ platform current consumption estimates and OEM product-specific requirements or carrier requirements (for example, Days of Use (DoU)) play a crucial role in determining the appropriate battery size for the product.

The power data comparison provides the estimated current consumption for MSM8940 platform, based on the projected power distribution across 50 to 95% of the device population.

NOTE: OEMs are expected to select an appropriate battery size to meet their product requirements and specifications.

4.3 Measured values – Top-level

Power dashboard measured values will be published in the release notes. This document will not be updated with the battery data. The release notes DCN will be updated in a future revisions of this document

4.4 Breakdown measurements (per regulator values)

4.4.1 CS breakdown

This section lists the rail level breakdown data for modem and multimedia power dashboard use cases based on the CS release MSM8940.LA.2.0-00300-STD.PROD-1 (42 Internal) , FHD Video mode, 2GB DDR.

4.4.1.1 Modem cases

Table 4-4 Airplane mode with SIM

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.05 mA
2	S2_Output(CX)	0.51 V	1.85 mA
3	S5_6_Output(APPS)	0.00 V	0.09 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	1.59 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	1.01 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.04 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.00 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	0.64 mA
5	L3_MX(SMPS3A)	0.60 V	0.80 mA
6	L3_CDC_EBIO(SMPS3A)	0.60 V	0.04 mA
10	L3_PLL(SMPS3A)	0.60 V	0.00 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.01 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	1.91 V	1.39 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	0.46 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.72 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.10 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.00 mA
72	L6_CAM0_D_DO(SMPS4A)	1.26 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.26 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.02 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.26 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.26 V	0.04 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.26 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.26 V	0.00 mA
92	L7_HBBRX(SMPS4A)	0.62 V	0.00 mA
96	L7_TXDAC(SMPS4A)	0.62 V	0.00 mA
106	USB_VDDA(SMPS4A)	0.62 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	0.62 V	0.00 mA
109	L7_WCN_XO_1P8(SMPS4A)	0.62 V	0.00 mA
56	VIN_GR7_L20_L21	1.91 V	0.00 mA
100	V_S4_ELDO6	1.91 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	1.91 V	0.00 mA
144	CDC_VDD_CP	1.91 V	0.01 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	0.00 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.04 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.10 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.03 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.05 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.07 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.02 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.11 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.03 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.70 V	0.03 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.02 mA
—	BATTERY (Measured)	3.70 V	2.36 mA
—	Battery Adjusted Value	3.70 V	2.17 mA

Table 4-5 WCDMA standby 2.56s ~ Sleep

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.51 V	1.20 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	1.24 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	0.90 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.04 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.00 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	0.59 mA
5	L3_MX(SMPS3A)	0.60 V	0.69 mA
6	L3_CDC_EBIO(SMPS3A)	0.60 V	0.04 mA
10	L3_PLL(SMPS3A)	0.60 V	0.00 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	1.91 V	1.06 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.21 V	0.00 mA
104	L4_WTR0(SMPS4A)	1.21 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	0.46 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.70 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.10 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.00 mA
72	L6_CAM0_D_DO(SMPS4A)	1.26 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.26 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.02 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.26 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.26 V	0.04 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.26 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.26 V	0.00 mA
92	L7_HBBRX(SMPS4A)	0.94 V	0.00 mA
96	L7_TXDAC(SMPS4A)	0.94 V	0.00 mA
106	USB_VDDA(SMPS4A)	0.94 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	0.94 V	0.00 mA
109	L7_WCN_XO_1P8(SMPS4A)	0.94 V	0.00 mA
56	VIN_GR7_L20_L21	1.91 V	0.00 mA
100	V_S4_ELDO6	1.91 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	1.91 V	0.00 mA
144	CDC_VDD_CP	1.91 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	0.02 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.04 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.11 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.01 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.01 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.01 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.70 V	0.03 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.70 V	2.34 mA
–	Battery Adjusted Value	3.70 V	2.29 mA

Table 4-6 WCDMA Standby 2.56s ~ Awake

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.52 V	35.44 mA
2	S2_Output(CX)	0.90 V	48.90 mA
3	S5_6_Output(APPS)	0.00 V	0.22 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	18.07 mA
122	L1_WTR1(SMPS3A)	0.63 V	3.36 mA
121	L1_WTR0(SMPS3A)	0.63 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.84 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.83 V	0.03 mA
85	L19_GPS_AVDD(SMPS3A)	0.83 V	0.03 mA
86	L19_WCN_VDD(SMPS3A)	0.83 V	10.66 mA
112	L19_LBBRX(SMPS3A)	0.83 V	0.68 mA
9	L2_LPDDR(SMPS3A)	1.20 V	14.25 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.05 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	5.59 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.03 mA
64	VIN_GR3_L3	1.30 V	10.88 mA
5	L3_MX(SMPS3A)	1.00 V	6.39 mA
6	L3_CDC_EBI0(SMPS3A)	1.00 V	2.16 mA
10	L3_PLL(SMPS3A)	1.00 V	1.16 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.12 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.05 V	15.98 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.59 V	2.08 mA
104	L4_WTR0(SMPS4A)	1.59 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.04 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.04 mA
94	L5_PX3(SMPS4A)	1.80 V	1.73 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	1.64 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.18 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.26 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.26 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.05 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.26 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.26 V	0.02 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.26 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.26 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.76 V	0.13 mA
96	L7_TXDAC(SMPS4A)	1.76 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.76 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.76 V	0.99 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.76 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	3.82 mA
100	V_S4_ELDO6	2.05 V	0.19 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.05 V	0.00 mA
144	CDC_VDD_CP	2.05 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	1.83 V	0.95 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.05 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.12 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.00 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.03 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	0.28 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.00 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.04 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.02 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.00 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.06 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.56 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.69 V	0.38 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.03 mA
–	BATTERY (Measured)	3.70 V	42.95 mA
–	Battery Adjusted Value	3.70 V	42.06 mA

Table 4-7 TDSCDMA Standby 1.28s ~ Awake

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.53 V	29.80 mA
2	S2_Output(CX)	0.91 V	33.22 mA
3	S5_6_Output(APPS)	0.00 V	0.39 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	53.32 mA
122	L1_WTR1(SMPS3A)	0.64 V	2.11 mA
121	L1_WTR0(SMPS3A)	0.63 V	0.18 mA
70	L19_WLAN(SMPS3A)	0.85 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.84 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.84 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.85 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.85 V	0.52 mA
9	L2_LPDDR(SMPS3A)	1.20 V	11.58 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.05 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	6.36 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.02 mA
64	VIN_GR3_L3	1.30 V	8.55 mA
5	L3_MX(SMPS3A)	1.00 V	5.48 mA
6	L3_CDC_EBI0(SMPS3A)	1.00 V	2.17 mA
10	L3_PLL(SMPS3A)	1.00 V	1.13 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.64 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.02 mA
55	S4_Output(VPM_S4_2P05)	2.05 V	6.03 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.64 V	1.25 mA
104	L4_WTR0(SMPS4A)	1.64 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.00 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.01 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.08 mA
94	L5_PX3(SMPS4A)	1.80 V	1.69 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	1.80 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.09 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.23 mA
72	L6_CAM0_D_DO(SMPS4A)	0.02 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.02 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.02 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.02 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.02 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.02 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.02 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.78 V	0.13 mA
96	L7_TXDAC(SMPS4A)	1.79 V	0.11 mA
106	USB_VDDA(SMPS4A)	1.77 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.77 V	1.03 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.78 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	4.18 mA
100	V_S4_ELDO6	2.04 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.05 V	0.05 mA
144	CDC_VDD_CP	2.05 V	0.17 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	1.89 V	0.97 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.04 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.05 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.01 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.03 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	1.52 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.28 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.00 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.04 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.27 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.15 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.08 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.57 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.03 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.55 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.54 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.00 mA
–	BATTERY (Measured)	3.70 V	43.20 mA
–	Battery Adjusted Value	3.70 V	41.34 mA

Table 4-8 TDSCDMA standby 1.28s ~ Sleep

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.05 mA
2	S2_Output(CX)	0.51 V	1.12 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	1.78 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	0.92 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.04 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.00 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	0.76 mA
5	L3_MX(SMPS3A)	0.60 V	0.70 mA
6	L3_CDC_EBI0(SMPS3A)	0.60 V	0.04 mA
10	L3_PLL(SMPS3A)	0.60 V	0.00 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	1.91 V	1.70 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.32 V	0.00 mA
104	L4_WTR0(SMPS4A)	1.32 V	0.01 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.00 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	0.29 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.71 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.00 mA
72	L6_CAM0_D_DO(SMPS4A)	0.02 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.02 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.02 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.02 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.02 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.02 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.02 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.15 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.15 V	0.00 mA
106	USB_VDDA(SMPS4A)	1.15 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.15 V	0.00 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.15 V	0.00 mA
56	VIN_GR7_L20_L21	1.91 V	0.00 mA
100	V_S4_ELDO6	1.91 V	0.01 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	1.91 V	0.00 mA
144	CDC_VDD_CP	1.91 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	0.03 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.04 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.01 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.03 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.05 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.01 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.04 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.70 V	0.03 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.02 mA
–	BATTERY (Measured)	3.70 V	2.41 mA
–	Battery Adjusted Value	3.70 V	2.13 mA

Table 4-9 GSM standby 1.18s ~ sleep

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.51 V	2.17 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	1.27 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBRRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	0.85 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.04 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.00 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	0.67 mA
5	L3_MX(SMPS3A)	0.60 V	0.56 mA
6	L3_CDC_EBI0(SMPS3A)	0.60 V	0.03 mA
10	L3_PLL(SMPS3A)	0.60 V	0.00 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	1.91 V	1.37 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.34 V	0.00 mA
104	L4_WTR0(SMPS4A)	1.34 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.00 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	0.29 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.70 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.09 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.00 mA
72	L6_CAM0_D_DO(SMPS4A)	0.02 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.02 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.02 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.02 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.02 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.02 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.02 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.19 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.19 V	0.00 mA
106	USB_VDDA(SMPS4A)	1.19 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.19 V	0.00 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.19 V	0.00 mA
56	VIN_GR7_L20_L21	1.91 V	0.00 mA
100	V_S4_ELDO6	1.91 V	0.01 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	1.91 V	0.00 mA
144	CDC_VDD_CP	1.91 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	0.04 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.04 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.00 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.01 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.01 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.70 V	0.03 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
—	BATTERY (Measured)	3.70 V	2.34 mA
—	Battery Adjusted Value	3.70 V	2.21 mA

Table 4-10 GSM Standby 1.18s ~ Awake

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.55 V	16.48 mA
2	S2_Output(CX)	0.91 V	79.68 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	22.72 mA
122	L1_WTR1(SMPS3A)	0.66 V	2.18 mA
121	L1_WTR0(SMPS3A)	0.66 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.87 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.86 V	0.02 mA
85	L19_GPS_AVDD(SMPS3A)	0.86 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.86 V	0.58 mA
112	L19_LBBRX(SMPS3A)	0.86 V	0.78 mA
9	L2_LPDDR(SMPS3A)	1.20 V	12.67 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.04 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.03 mA
81	L2_PX1(SMPS3A)	1.20 V	5.62 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	8.48 mA
5	L3_MX(SMPS3A)	1.00 V	4.03 mA
6	L3_CDC_EBIO(SMPS3A)	1.00 V	1.98 mA
10	L3_PLL(SMPS3A)	1.00 V	1.17 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.05 V	21.39 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.63 V	1.72 mA
104	L4_WTR0(SMPS4A)	1.63 V	0.12 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.03 mA
94	L5_PX3(SMPS4A)	1.80 V	1.67 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	1.51 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.03 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.26 mA
72	L6_CAM0_D_DO(SMPS4A)	0.02 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.02 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.04 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.02 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.02 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.02 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.02 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.78 V	0.15 mA
96	L7_TXDAC(SMPS4A)	1.78 V	0.45 mA
106	USB_VDDA(SMPS4A)	1.78 V	0.01 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.78 V	1.01 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.78 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	3.99 mA
100	V_S4_ELDO6	2.05 V	0.19 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.05 V	0.06 mA
144	CDC_VDD_CP	2.05 V	0.37 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	1.90 V	1.30 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.02 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.03 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.23 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.29 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.55 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.03 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.07 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.00 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.03 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.03 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.03 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.62 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.03 mA
	BATTERY (Measured)	3.70 V	44.76 mA
	Battery Adjusted Value	3.70 V	43.21 mA

Table 4-11 CDMA QPCH 5.12s ~ Sleep

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.02 mA
2	S2_Output(CX)	0.51 V	1.46 mA
3	S5_6_Output(APPS)	0.00 V	0.06 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	1.56 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBRRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	0.92 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.04 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.00 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	0.77 mA
5	L3_MX(SMPS3A)	0.60 V	0.75 mA
6	L3_CDC_EBI0(SMPS3A)	0.60 V	0.04 mA
10	L3_PLL(SMPS3A)	0.60 V	0.00 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	1.91 V	1.38 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.06 V	0.00 mA
104	L4_WTR0(SMPS4A)	1.06 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.04 mA
94	L5_PX3(SMPS4A)	1.80 V	0.30 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.71 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.00 mA
72	L6_CAM0_D_DO(SMPS4A)	0.02 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.02 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.02 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.02 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.02 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.02 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.02 V	0.00 mA
92	L7_HBBRX(SMPS4A)	0.78 V	0.00 mA
96	L7_TXDAC(SMPS4A)	0.78 V	0.00 mA
106	USB_VDDA(SMPS4A)	0.78 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	0.78 V	0.00 mA
109	L7_WCN_XO_1P8(SMPS4A)	0.78 V	0.00 mA
56	VIN_GR7_L20_L21	1.91 V	0.00 mA
100	V_S4_ELDO6	1.91 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	1.91 V	0.00 mA
144	CDC_VDD_CP	1.91 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.04 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.15 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.03 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.03 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.01 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.10 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.01 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.04 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.70 V	0.03 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.02 mA
–	BATTERY (Measured)	3.70 V	2.29 mA
–	Battery Adjusted Value	3.70 V	2.03 mA

Table 4-12 CDMA QPCH 5.12s ~ Awake

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.69 V	13.75 mA
2	S2_Output(CX)	0.94 V	32.03 mA
3	S5_6_Output(APPS)	0.00 V	0.15 mA
62	S3_Output(VPM_S3_1P288)	1.31 V	42.56 mA
122	L1_WTR1(SMPS3A)	0.80 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.80 V	5.09 mA
70	L19_WLAN(SMPS3A)	1.01 V	0.10 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.01 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.01 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.01 V	0.00 mA
112	L19_LBRRX(SMPS3A)	1.01 V	1.43 mA
9	L2_LPDDR(SMPS3A)	1.20 V	9.40 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.04 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	5.87 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.02 mA
64	VIN_GR3_L3	1.30 V	9.80 mA
5	L3_MX(SMPS3A)	1.03 V	6.04 mA
6	L3_CDC_EBI0(SMPS3A)	1.03 V	1.89 mA
10	L3_PLL(SMPS3A)	1.03 V	0.14 mA
28	V_S3_ELDO4(SMPS3A)	1.31 V	0.10 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.01 mA
55	S4_Output(VPM_S4_2P05)	2.05 V	14.16 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.65 V	0.01 mA
104	L4_WTR0(SMPS4A)	1.65 V	3.31 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.00 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.01 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.05 mA
94	L5_PX3(SMPS4A)	1.80 V	1.68 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	1.67 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.05 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.24 mA
72	L6_CAM0_D_DO(SMPS4A)	0.02 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.02 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.02 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.02 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.02 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.02 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.76 V	0.31 mA
96	L7_TXDAC(SMPS4A)	1.77 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.76 V	0.05 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.76 V	1.85 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.76 V	0.18 mA
56	VIN_GR7_L20_L21	2.03 V	4.69 mA
100	V_S4_ELDO6	2.05 V	0.00 mA
35	ELDO6_BC	0.00 V	0.02 mA
143	CDC_VDD_PA	2.05 V	0.24 mA
144	CDC_VDD_CP	2.05 V	0.08 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.22 V	1.11 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.04 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.16 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.11 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.91 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.03 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.03 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.59 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.01 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.00 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.58 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.02 mA
	BATTERY (Measured)	3.70 V	47.70 mA
	Battery Adjusted Value	3.70 V	46.67 mA

Table 4-13 CDMA Talk, 0dBm

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.92 V	55.44 mA
2	S2_Output(CX)	0.95 V	63.25 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	87.53 mA
122	L1_WTR1(SMPS3A)	1.00 V	0.04 mA
121	L1_WTR0(SMPS3A)	0.99 V	54.57 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.03 mA
112	L19_LBBRX(SMPS3A)	1.23 V	3.43 mA
9	L2_LPDDR(SMPS3A)	1.20 V	11.78 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.03 mA
81	L2_PX1(SMPS3A)	1.20 V	2.26 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	17.42 mA
5	L3_MX(SMPS3A)	1.05 V	12.64 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	1.24 mA
10	L3_PLL(SMPS3A)	1.05 V	1.53 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.01 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	36.84 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	0.01 mA
104	L4_WTR0(SMPS4A)	1.80 V	13.99 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.83 mA
94	L5_PX3(SMPS4A)	1.80 V	3.66 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.64 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.73 mA
96	L7_TXDAC(SMPS4A)	1.80 V	3.14 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.77 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.37 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.02 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.20 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.63 V	0.02 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	1.77 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	1.86 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.05 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.03 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.17 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.02 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.06 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.02 mA
51	VPH_CHG_LED	3.70 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.02 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.28 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	1.04 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.69 V	1.04 mA
–	BATTERY (Measured)	3.68 V	102.52 mA
–	Battery Adjusted Value	3.68 V	101.58 mA

Table 4-14 WCDMA talk, 0dBm

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.92 V	60.59 mA
2	S2_Output(CX)	0.95 V	64.13 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	96.21 mA
122	L1_WTR1(SMPS3A)	0.99 V	60.36 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.03 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.03 mA
112	L19_LBRRX(SMPS3A)	1.23 V	2.76 mA
9	L2_LPDDR(SMPS3A)	1.20 V	12.80 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.03 mA
81	L2_PX1(SMPS3A)	1.20 V	3.30 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	19.28 mA
5	L3_MX(SMPS3A)	1.05 V	13.72 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	1.64 mA
10	L3_PLL(SMPS3A)	1.05 V	1.53 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	37.85 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	12.33 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.03 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.84 mA
94	L5_PX3(SMPS4A)	1.80 V	3.75 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.03 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.45 mA
96	L7_TXDAC(SMPS4A)	1.79 V	5.55 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.77 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.38 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.04 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.33 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.61 V	0.02 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	4.61 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	4.80 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.06 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.03 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.17 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.10 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.02 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.01 mA
51	VPH_CHG_LED	3.70 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.01 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.28 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	1.04 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.69 V	1.05 mA
	BATTERY (Measured)	3.68 V	114.09 mA
	Battery Adjusted Value	3.68 V	113.07 mA

Table 4-15 GSM talk 5dBm, no DTX, PGSM

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.92 V	29.15 mA
2	S2_Output(CX)	0.95 V	62.37 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	43.65 mA
122	L1_WTR1(SMPS3A)	1.00 V	13.15 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.03 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.02 mA
112	L19_LBBRX(SMPS3A)	1.23 V	0.72 mA
9	L2_LPDDR(SMPS3A)	1.20 V	16.09 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	3.72 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	11.47 mA
5	L3_MX(SMPS3A)	1.05 V	6.59 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	1.90 mA
10	L3_PLL(SMPS3A)	1.05 V	1.53 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	27.90 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	8.17 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.02 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.01 mA
94	L5_PX3(SMPS4A)	1.80 V	3.76 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.02 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.13 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.86 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.73 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.36 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.01 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.50 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.57 V	0.01 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	6.02 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	6.55 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.00 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.07 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.02 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.04 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.02 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.22 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	1.03 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.69 V	1.05 mA
–	BATTERY (Measured)	3.68 V	80.77 mA
–	Battery Adjusted Value	3.68 V	79.97 mA

Table 4-16 TD - SCDMA talk + 0dBm

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.92 V	34.74 mA
2	S2_Output(CX)	0.95 V	63.75 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	52.18 mA
122	L1_WTR1(SMPS3A)	1.00 V	15.01 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.03 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.02 mA
112	L19_LBBRX(SMPS3A)	1.23 V	4.14 mA
9	L2_LPDDR(SMPS3A)	1.20 V	14.72 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	3.17 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	16.95 mA
5	L3_MX(SMPS3A)	1.05 V	11.61 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	1.66 mA
10	L3_PLL(SMPS3A)	1.05 V	1.53 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	26.45 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	5.45 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.03 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.81 mA
94	L5_PX3(SMPS4A)	1.80 V	3.60 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.50 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.89 mA
96	L7_TXDAC(SMPS4A)	1.80 V	1.49 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.74 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.38 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.01 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	1.96 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.61 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.21 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.21 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.06 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.02 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.17 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.02 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.02 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.23 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	1.05 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.70 V	1.05 mA
—	BATTERY (Measured)	3.68 V	72.58 mA
—	Battery Adjusted Value	3.68 V	71.81 mA

Table 4-17 FDD LTE Cat7 20+20MHz (300/100MBPS)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	1.20 V	866.41 mA
2	S2_Output(CX)	1.09 V	146.83 mA
3	S5_6_Output(APPS)	1.06 V	248.06 mA
62	S3_Output(VPM_S3_1P288)	1.42 V	433.64 mA
122	L1_WTR1(SMPS3A)	0.99 V	108.17 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.02 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.00 mA
112	L19_LBBRX(SMPS3A)	1.22 V	37.38 mA
9	L2_LPDDR(SMPS3A)	1.22 V	92.98 mA
21	L2_USB_DVDD(SMPS3A)	1.23 V	0.08 mA
79	L2_CSI_MIPI(SMPS3A)	1.23 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.23 V	0.03 mA
81	L2_PX1(SMPS3A)	1.22 V	36.96 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.42 V	179.40 mA
5	L3_MX(SMPS3A)	1.31 V	105.64 mA
6	L3_CDC_EBIO(SMPS3A)	1.30 V	48.15 mA
10	L3_PLL(SMPS3A)	1.31 V	1.65 mA
28	V_S3_ELDO4(SMPS3A)	1.42 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	102.31 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.79 V	59.44 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.02 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.92 mA
94	L5_PX3(SMPS4A)	1.80 V	9.66 mA
98	L5_DDR_VDD1(SMPS4A)	1.79 V	7.95 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.02 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.79 V	4.40 mA
96	L7_TXDAC(SMPS4A)	1.79 V	5.58 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.79 V	4.81 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.38 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.01 mA
144	CDC_VDD_CP	2.06 V	0.03 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	1.47 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.04 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.62 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.66 V	16.56 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.66 V	19.10 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.66 V	0.10 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.66 V	0.01 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.66 V	0.18 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.66 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.66 V	0.09 mA
54	VIN_TORCH(VDOM_PMi8937)	3.66 V	0.06 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.66 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.66 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.66 V	0.02 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.66 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.66 V	0.01 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.66 V	0.02 mA
111	VPH_PWR_ELDO3(VPH)	3.66 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.65 V	1.69 mA
130	VBATT(VDOM_VPH_LOADS)	3.68 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.66 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.66 V	0.05 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.69 V	785.79 mA
–	Battery Adjusted Value	3.69 V	783.96 mA

Table 4-18 FDD LTE Cat3 CA (10+10)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	1.06 V	402.55 mA
2	S2_Output(CX)	0.95 V	87.46 mA
3	S5_6_Output(APPS)	1.06 V	114.20 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	308.90 mA
122	L1_WTR1(SMPS3A)	0.99 V	97.19 mA
121	L1_WTR0(SMPS3A)	1.00 V	38.64 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.01 mA
112	L19_LBBRX(SMPS3A)	1.22 V	31.37 mA
9	L2_LPDDR(SMPS3A)	1.20 V	60.45 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.07 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.03 mA
81	L2_PX1(SMPS3A)	1.20 V	23.76 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	64.61 mA
5	L3_MX(SMPS3A)	1.16 V	44.74 mA
6	L3_CDC_EBI0(SMPS3A)	1.15 V	9.64 mA
10	L3_PLL(SMPS3A)	1.15 V	1.58 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	83.68 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.79 V	28.10 mA
104	L4_WTR0(SMPS4A)	1.80 V	24.14 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.19 mA
94	L5_PX3(SMPS4A)	1.80 V	2.49 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	5.83 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.03 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.79 V	4.63 mA
96	L7_TXDAC(SMPS4A)	1.79 V	5.57 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.79 V	2.38 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.39 mA
100	V_S4_ELDO6	2.06 V	0.02 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.01 mA
144	CDC_VDD_CP	2.06 V	0.05 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.36 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.04 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.59 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.67 V	5.42 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.67 V	5.66 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.67 V	0.02 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.67 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.67 V	0.13 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.67 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.67 V	0.14 mA
54	VIN_TORCH(VDOM_PMi8937)	3.67 V	0.07 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.67 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.67 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.67 V	0.06 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.67 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.67 V	0.01 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.67 V	0.02 mA
111	VPH_PWR_ELDO3(VPH)	3.67 V	0.02 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.67 V	1.41 mA
130	VBATT(VDOM_VPH_LOADS)	3.68 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.67 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.67 V	0.07 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.47 V	0.02 mA
–	BATTERY (Measured)	3.68 V	394.20 mA
–	Battery Adjusted Value	3.68 V	392.74 mA

Table 4-19 FDD LTE Cat6 20 + 20MHz (300/50MBPS)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	1.07 V	697.19 mA
2	S2_Output(CX)	1.02 V	122.52 mA
3	S5_6_Output(APPS)	1.06 V	243.02 mA
62	S3_Output(VPM_S3_1P288)	1.34 V	454.21 mA
122	L1_WTR1(SMPS3A)	0.99 V	94.39 mA
121	L1_WTR0(SMPS3A)	0.99 V	53.93 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.30 mA
112	L19_LBBRX(SMPS3A)	1.21 V	65.20 mA
9	L2_LPDDR(SMPS3A)	1.22 V	86.95 mA
21	L2_USB_DVDD(SMPS3A)	1.22 V	0.08 mA
79	L2_CSI_MIPI(SMPS3A)	1.23 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.23 V	0.03 mA
81	L2_PX1(SMPS3A)	1.22 V	34.87 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.33 V	134.07 mA
5	L3_MX(SMPS3A)	1.15 V	76.69 mA
6	L3_CDC_EBIO(SMPS3A)	1.14 V	37.62 mA
10	L3_PLL(SMPS3A)	1.15 V	1.58 mA
28	V_S3_ELDO4(SMPS3A)	1.34 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	99.58 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.79 V	29.02 mA
104	L4_WTR0(SMPS4A)	1.80 V	25.64 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.17 mA
94	L5_PX3(SMPS4A)	1.80 V	9.46 mA
98	L5_DDR_VDD1(SMPS4A)	1.79 V	7.87 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.02 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.78 V	7.24 mA
96	L7_TXDAC(SMPS4A)	1.79 V	5.58 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.79 V	4.42 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.40 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.42 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.04 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.58 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.67 V	3.22 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.67 V	3.45 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.67 V	0.24 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.67 V	0.02 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.67 V	0.19 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.67 V	0.05 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.67 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.67 V	0.07 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.67 V	0.04 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.67 V	0.04 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.67 V	0.11 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.67 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.67 V	0.01 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.67 V	0.03 mA
111	VPH_PWR_ELDO3(VPH)	3.67 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.66 V	1.70 mA
130	VBATT(VDOM_VPH_LOADS)	3.68 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.67 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.67 V	0.03 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.69 V	640.91 mA
–	Battery Adjusted Value	3.69 V	639.04 mA

Table 4-20 DC HSDPA 42Mbps + 0dBm (RxD OFF)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.92 V	119.42 mA
2	S2_Output(CX)	0.95 V	65.60 mA
3	S5_6_Output(APPS)	1.06 V	50.26 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	141.01 mA
122	L1_WTR1(SMPS3A)	0.99 V	75.26 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.03 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.02 mA
112	L19_LBBRX(SMPS3A)	1.23 V	7.73 mA
9	L2_LPDDR(SMPS3A)	1.20 V	22.59 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	12.07 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	26.07 mA
5	L3_MX(SMPS3A)	1.05 V	18.77 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	4.02 mA
10	L3_PLL(SMPS3A)	1.05 V	0.00 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	41.49 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	18.84 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.04 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.87 mA
94	L5_PX3(SMPS4A)	1.80 V	2.25 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	3.30 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.13 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.13 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.13 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.04 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.13 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.13 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.13 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.13 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	1.18 mA
96	L7_TXDAC(SMPS4A)	1.79 V	5.54 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.94 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.36 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.30 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.59 V	0.01 mA
16	L8_EMMC(MEMORY)	0.28 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	3.43 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	3.61 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.11 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.09 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.02 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.96 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.03 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.61 V	0.02 mA
—	BATTERY (Measured)	3.70 V	165.24 mA
—	Battery Adjusted Value	3.70 V	164.33 mA

Table 4-21 EVDO DL 3.1Mbps + 0dBm, CEL (RxD ON)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.92 V	55.69 mA
2	S2_Output(CX)	0.95 V	68.98 mA
3	S5_6_Output(APPS)	1.06 V	41.58 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	125.73 mA
122	L1_WTR1(SMPS3A)	1.00 V	0.03 mA
121	L1_WTR0(SMPS3A)	0.99 V	76.85 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.31 mA
112	L19_LBBRX(SMPS3A)	1.23 V	8.37 mA
9	L2_LPDDR(SMPS3A)	1.20 V	14.43 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	7.79 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	20.06 mA
5	L3_MX(SMPS3A)	1.05 V	13.59 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	2.49 mA
10	L3_PLL(SMPS3A)	1.05 V	1.53 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	54.53 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	0.01 mA
104	L4_WTR0(SMPS4A)	1.80 V	31.08 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.11 mA
94	L5_PX3(SMPS4A)	1.80 V	2.36 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.39 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	1.73 mA
96	L7_TXDAC(SMPS4A)	1.79 V	5.55 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.98 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.37 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.56 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN(WCN3680)	0.59 V	0.01 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	1.52 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	1.62 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.08 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.03 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.22 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.06 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.69 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.69 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.02 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.01 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.69 V	0.05 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.01 mA
—	BATTERY (Measured)	3.68 V	142.31 mA
—	Battery Adjusted Value	3.68 V	141.41 mA

Table 4-22 FDD LTE Cat4 20MHz, B1

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	1.05 V	405.87 mA
2	S2_Output(CX)	0.95 V	86.72 mA
3	S5_6_Output(APPS)	1.06 V	152.70 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	270.67 mA
122	L1_WTR1(SMPS3A)	0.99 V	84.95 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.04 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.03 mA
112	L19_LBBRX(SMPS3A)	1.22 V	32.66 mA
9	L2_LPDDR(SMPS3A)	1.20 V	66.12 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.07 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	25.19 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	69.28 mA
5	L3_MX(SMPS3A)	1.15 V	48.55 mA
6	L3_CDC_EBIO(SMPS3A)	1.15 V	10.18 mA
10	L3_PLL(SMPS3A)	1.15 V	1.58 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	57.28 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.79 V	27.64 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.04 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.13 mA
94	L5_PX3(SMPS4A)	1.80 V	2.48 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	6.16 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.13 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.79 V	3.63 mA
96	L7_TXDAC(SMPS4A)	1.79 V	5.56 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.79 V	2.40 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.37 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.02 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.29 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.59 V	0.01 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	4.95 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	5.18 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.08 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.12 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	0.01 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.69 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.69 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.02 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.68 V	1.35 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.69 V	0.06 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.01 mA
–	BATTERY (Measured)	3.68 V	369.80 mA
–	Battery Adjusted Value	3.68 V	368.29 mA

Table 4-23 HSDPA DL 7.2 Mbps + 0dBm, IMT (Rx/D ON)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.92 V	107.24 mA
2	S2_Output(CX)	0.95 V	73.73 mA
3	S5_6_Output(APPS)	1.06 V	45.29 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	146.88 mA
122	L1_WTR1(SMPS3A)	0.99 V	79.06 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.03 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.30 mA
112	L19_LBBRX(SMPS3A)	1.23 V	10.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	23.82 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	11.87 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	24.32 mA
5	L3_MX(SMPS3A)	1.05 V	15.66 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	4.04 mA
10	L3_PLL(SMPS3A)	1.05 V	1.53 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	44.66 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	20.68 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.02 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.19 mA
94	L5_PX3(SMPS4A)	1.80 V	2.47 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	3.34 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	1.83 mA
96	L7_TXDAC(SMPS4A)	1.79 V	5.55 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	2.02 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.37 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.32 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.58 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	4.73 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	4.92 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.07 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.12 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.07 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.69 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.69 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.01 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.69 V	0.01 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.01 mA
—	BATTERY (Measured)	3.68 V	169.77 mA
—	Battery Adjusted Value	3.68 V	168.99 mA

Table 4-24 FDD VoLTE call listen

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.64 V	105.73 mA
2	S2_Output(CX)	0.95 V	44.59 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	68.13 mA
122	L1_WTR1(SMPS3A)	1.00 V	22.30 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.03 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.03 mA
112	L19_LBBRX(SMPS3A)	1.23 V	6.47 mA
9	L2_LPDDR(SMPS3A)	1.20 V	17.11 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.01 mA
81	L2_PX1(SMPS3A)	1.20 V	7.43 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	15.85 mA
5	L3_MX(SMPS3A)	1.05 V	9.96 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	2.43 mA
10	L3_PLL(SMPS3A)	1.05 V	1.53 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	32.51 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	11.94 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.04 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	3.60 mA
94	L5_PX3(SMPS4A)	1.80 V	3.56 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.62 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.12 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.01 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.34 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.96 mA
96	L7_TXDAC(SMPS4A)	1.80 V	1.07 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.37 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.38 mA
100	V_S4_ELDO6		0.00 mA
35	ELDO6_BC		0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.01 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.04 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.46 V	0.01 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	1.39 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.57 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.04 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.01 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.06 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS		0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)		0.00 mA
111	VPH_PWR_ELDO3(VPH)		0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.18 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.69 V	9.21 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.69 V	18.52 mA
–	BATTERY (Measured)	3.70 V	98.40 mA
–	Battery Adjusted Value	3.70 V	97.55 mA

Table 4-25 FDD VoLTE call silent

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.63 V	98.61 mA
2	S2_Output(CX)	0.95 V	42.81 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	62.24 mA
122	L1_WTR1(SMPS3A)	1.00 V	19.48 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.02 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.30 mA
112	L19_LBBRX(SMPS3A)	1.23 V	6.07 mA
9	L2_LPDDR(SMPS3A)	1.20 V	16.00 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.01 mA
81	L2_PX1(SMPS3A)	1.20 V	6.77 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	15.35 mA
5	L3_MX(SMPS3A)	1.05 V	9.75 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	2.27 mA
10	L3_PLL(SMPS3A)	1.05 V	1.53 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	30.96 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	11.15 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.03 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	3.58 mA
94	L5_PX3(SMPS4A)	1.80 V	3.54 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.54 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.01 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.34 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.90 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.76 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.34 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.38 mA
100	V_S4_ELDO6		0.00 mA
35	ELDO6_BC		0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.01 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	2.03 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.52 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.62 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.26 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.02 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.01 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS		0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)		0.00 mA
111	VPH_PWR_ELDO3(VPH)		0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.17 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	1.02 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.70 V	2.09 mA
–	BATTERY (Measured)	3.70 V	85.09 mA
–	Battery Adjusted Value	3.70 V	84.54 mA

Table 4-26 FDD VoLTE call talk

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.92 V	78.70 mA
2	S2_Output(CX)	0.95 V	75.86 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	87.14 mA
122	L1_WTR1(SMPS3A)	1.00 V	27.32 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.03 mA
112	L19_LBBRX(SMPS3A)	1.23 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	23.10 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	9.57 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	18.48 mA
5	L3_MX(SMPS3A)	1.05 V	12.34 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	3.16 mA
10	L3_PLL(SMPS3A)	1.05 V	0.64 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	42.55 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	18.24 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.01 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.09 mA
94	L5_PX3(SMPS4A)	1.80 V	3.53 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	3.18 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.09 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.13 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.13 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.13 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.13 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.13 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.13 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	1.60 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.38 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.79 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.36 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	1.01 mA
144	CDC_VDD_CP	2.06 V	1.36 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	1.94 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.65 V	0.01 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.52 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.53 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.02 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.01 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.06 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.01 mA
51	VPH_CHG_LED	3.70 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.00 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.28 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.04 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.70 V	114.19 mA
–	Battery Adjusted Value	3.70 V	113.39 mA

Table 4-27 TDD VoLTE call listen

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.71 V	70.10 mA
2	S2_Output(CX)	0.95 V	66.66 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	72.17 mA
122	L1_WTR1(SMPS3A)	1.00 V	18.93 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.01 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.00 mA
112	L19_LBBRX(SMPS3A)	1.23 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	16.81 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	7.58 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	19.17 mA
5	L3_MX(SMPS3A)	1.15 V	13.39 mA
6	L3_CDC_EBI0(SMPS3A)	1.15 V	2.66 mA
10	L3_PLL(SMPS3A)	1.15 V	0.67 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	26.83 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	7.34 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.03 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.81 mA
94	L5_PX3(SMPS4A)	1.80 V	3.29 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.57 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.13 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.13 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.13 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.13 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.13 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.13 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	1.34 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.52 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.33 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.36 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	1.36 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.04 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.58 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.92 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	1.21 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.06 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.03 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.14 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	2.16 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.70 V	2.21 mA
–	BATTERY (Measured)	3.70 V	96.91 mA
–	Battery Adjusted Value	3.70 V	96.40 mA

Table 4-28 TDD VoLTE call silent

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.71 V	66.56 mA
2	S2_Output(CX)	0.95 V	62.33 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	67.11 mA
122	L1_WTR1(SMPS3A)	1.00 V	16.56 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.01 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.01 mA
112	L19_LBRRX(SMPS3A)	1.23 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	15.38 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	7.09 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	18.59 mA
5	L3_MX(SMPS3A)	1.15 V	13.04 mA
6	L3_CDC_EBI0(SMPS3A)	1.15 V	2.51 mA
10	L3_PLL(SMPS3A)	1.15 V	0.67 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	26.49 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	7.07 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.03 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.81 mA
94	L5_PX3(SMPS4A)	1.80 V	3.28 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.46 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.13 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.13 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.13 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.13 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.13 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.13 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	1.28 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.41 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.33 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.36 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.03 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	1.36 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.04 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.57 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.61 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.89 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.01 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.02 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.02 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.02 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.11 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.14 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	1.02 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.70 V	1.05 mA
–	BATTERY (Measured)	3.70 V	90.41 mA
–	Battery Adjusted Value	3.70 V	89.80 mA

Table 4-29 TDD VoLTE call talk

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	1.05 V	114.63 mA
2	S2_Output(CX)	0.94 V	74.02 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	107.08 mA
122	L1_WTR1(SMPS3A)	1.00 V	31.44 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.04 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.01 mA
112	L19_LBBRX(SMPS3A)	1.22 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	21.24 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	9.07 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	24.91 mA
5	L3_MX(SMPS3A)	1.15 V	17.64 mA
6	L3_CDC_EBI0(SMPS3A)	1.15 V	3.33 mA
10	L3_PLL(SMPS3A)	1.15 V	0.67 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	36.02 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	11.46 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.06 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.82 mA
94	L5_PX3(SMPS4A)	1.80 V	3.53 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	3.03 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.13 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.13 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.13 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.13 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.13 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.13 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.13 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.79 V	2.54 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.38 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.01 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.80 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.37 mA
100	V_S4_ELDO6	2.06 V	0.03 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	1.00 mA
144	CDC_VDD_CP	2.06 V	1.39 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	1.37 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.04 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.60 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.02 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	1.08 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	1.40 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.05 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.04 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.03 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.02 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.31 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.70 V	134.56 mA
–	Battery Adjusted Value	3.70 V	133.86 mA

Table 4-30 TDD LTE Cat3 20MHz

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	1.06 V	253.20 mA
2	S2_Output(CX)	0.95 V	80.05 mA
3	S5_6_Output(APPS)	1.06 V	91.62 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	196.17 mA
122	L1_WTR1(SMPS3A)	0.99 V	68.16 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.04 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.02 mA
112	L19_LBBRX(SMPS3A)	1.22 V	32.56 mA
9	L2_LPDDR(SMPS3A)	1.20 V	39.48 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	17.62 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	43.19 mA
5	L3_MX(SMPS3A)	1.15 V	29.14 mA
6	L3_CDC_EBI0(SMPS3A)	1.15 V	6.94 mA
10	L3_PLL(SMPS3A)	1.15 V	1.58 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	41.93 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	18.10 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.05 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.87 mA
94	L5_PX3(SMPS4A)	1.80 V	2.34 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	4.25 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.13 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.79 V	3.64 mA
96	L7_TXDAC(SMPS4A)	1.80 V	2.52 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.79 V	2.33 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.38 mA
100	V_S4_ELDO6	2.06 V	0.01 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	1.38 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.58 V	0.01 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	5.88 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	6.90 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.06 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.03 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.24 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	0.03 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.69 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.69 V	0.01 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.02 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.68 V	1.17 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.69 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.01 mA
	BATTERY (Measured)	3.68 V	260.53 mA
	Battery Adjusted Value	3.68 V	259.21 mA

Table 4-31 FDD LTE Cat3 10MHz (PDCCH only)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.93 V	110.34 mA
2	S2_Output(CX)	0.95 V	54.28 mA
3	S5_6_Output(APPS)	0.00 V	0.05 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	90.81 mA
122	L1_WTR1(SMPS3A)	1.00 V	38.05 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.02 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.03 mA
112	L19_LBBRX(SMPS3A)	1.22 V	15.61 mA
9	L2_LPDDR(SMPS3A)	1.20 V	13.55 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	8.18 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	17.06 mA
5	L3_MX(SMPS3A)	1.05 V	12.50 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	2.53 mA
10	L3_PLL(SMPS3A)	1.05 V	0.00 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	41.10 mA

RCM channel	Regulator	V (volts)	I (ma)
102	L4_WTR1(SMPS4A)	1.80 V	23.63 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.02 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.06 mA
94	L5_PX3(SMPS4A)	1.80 V	1.92 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.61 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.13 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.13 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.04 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.13 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.13 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.13 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.13 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	2.33 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.00 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.74 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.36 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.01 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
84	L18_QFE_RF(RF 360)	2.70 V	1.80 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.04 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.55 V	0.01 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.04 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.05 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.04 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.03 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.19 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.69 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.69 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.90 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
50	VPH_SPKR	3.69 V	0.03 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
—	BATTERY (Measured)	3.70 V	114.22 mA
—	Battery Adjusted Value	3.70 V	113.32 mA

Table 4-32 FDD LTE Cat4 20MHz (PDCCH only)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	1.05 V	198.73 mA
2	S2_Output(CX)	0.94 V	54.34 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	117.08 mA
122	L1_WTR1(SMPS3A)	1.00 V	38.08 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.02 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.03 mA
112	L19_LBBRX(SMPS3A)	1.22 V	32.56 mA
9	L2_LPDDR(SMPS3A)	1.20 V	13.30 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	8.15 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	27.28 mA
5	L3_MX(SMPS3A)	1.15 V	21.02 mA
6	L3_CDC_EBIO(SMPS3A)	1.15 V	2.82 mA
10	L3_PLL(SMPS3A)	1.15 V	0.01 mA
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
55	S4_Output(VPM_S4_2P05)	2.06 V	43.18 mA
102	L4_WTR1(SMPS4A)	1.80 V	23.67 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.03 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.05 mA
94	L5_PX3(SMPS4A)	1.80 V	1.94 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.51 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.13 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.13 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.04 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.13 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.13 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.13 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.13 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.79 V	3.63 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.00 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.71 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.36 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA
84	L18_QFE_RF(RF 360)	2.70 V	1.80 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.58 V	0.02 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD(DISPLAY)	0.00 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	0.00 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	0.00 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.02 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.02 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.00 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.01 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.14 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	0.06 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.03 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.69 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.69 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.00 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.01 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.01 mA
50	VPH_SPKR	3.69 V	0.02 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
—	BATTERY (Measured)	3.70 V	159.69 mA
—	Battery Adjusted Value	3.70 V	158.55 mA

Table 4-33 GPS 1HZ Trk (DPO)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.19 V	5.56 mA
2	S2_Output(CX)	0.61 V	12.23 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	6.66 mA
122	L1_WTR1(SMPS3A)	0.12 V	0.05 mA
121	L1_WTR0(SMPS3A)	0.12 V	1.02 mA
70	L19_WLAN(SMPS3A)	0.14 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.14 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.14 V	0.14 mA
86	L19_WCN_VDD(SMPS3A)	0.14 V	0.04 mA
112	L19_LBBRX(SMPS3A)	0.14 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	2.04 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.04 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.84 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	2.41 mA
5	L3_MX(SMPS3A)	0.70 V	1.70 mA
6	L3_CDC_EBIO(SMPS3A)	0.70 V	0.29 mA
10	L3_PLL(SMPS3A)	0.70 V	0.30 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	1.94 V	3.89 mA
102	L4_WTR1(SMPS4A)	1.47 V	0.03 mA
104	L4_WTR0(SMPS4A)	1.47 V	0.37 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	0.59 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.83 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.06 mA
72	L6_CAM0_D_DO(SMPS4A)	0.02 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.02 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.02 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.02 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.02 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.02 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.02 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.52 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.52 V	0.01 mA
106	USB_VDDA(SMPS4A)	1.52 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.52 V	0.32 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.52 V	0.00 mA
56	VIN_GR7_L20_L21	1.94 V	0.91 mA
100	V_S4_ELDO6	1.94 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	1.94 V	0.00 mA
144	CDC_VDD_CP	1.94 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA
84	L18_QFE_RF(RF 360)	0.07 V	0.01 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.04 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.14 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.01 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.02 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.70 V	0.14 mA

RCM channel	Regulator	V (volts)	I (ma)
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA
50	VPH_SPKR	3.70 V	0.01 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.02 mA
–	BATTERY (Measured)	3.70 V	10.76 mA
–	Battery Adjusted Value	3.70 V	10.53 mA

Table 4-34 GNSS 1Hz Trk

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.93 V	18.34 mA
2	S2_Output(CX)	0.96 V	53.43 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.31 V	28.41 mA
122	L1_WTR1(SMPS3A)	1.00 V	0.07 mA
121	L1_WTR0(SMPS3A)	1.00 V	10.10 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	1.35 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.02 mA
112	L19_LBBRX(SMPS3A)	1.23 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	5.10 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.05 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	4.35 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.31 V	8.55 mA
5	L3_MX(SMPS3A)	1.06 V	4.90 mA
6	L3_CDC_EBIO(SMPS3A)	1.06 V	1.10 mA
10	L3_PLL(SMPS3A)	1.06 V	1.46 mA

RCM channel	Regulator	V (volts)	I (ma)
28	V_S3_ELDO4(SMPS3A)	1.31 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.07 V	18.73 mA
102	L4_WTR1(SMPS4A)	1.80 V	0.04 mA
104	L4_WTR0(SMPS4A)	1.80 V	3.52 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	1.75 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	1.24 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.09 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.13 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.13 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.13 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.13 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.13 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.13 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.82 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	6.74 mA
100	V_S4_ELDO6	2.07 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.07 V	0.00 mA
144	CDC_VDD_CP	2.07 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA
84	L18_QFE_RF(RF 360)	0.18 V	0.01 mA
91	V_L14_UICC1_IN(MEMORY)	1.81 V	0.04 mA
95	L14_PX5_DUAL	1.81 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.60 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.04 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.01 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.63 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.03 mA
–	BATTERY (Measured)	3.70 V	46.29 mA
–	Battery Adjusted Value	3.70 V	45.87 mA

Table 4-35 FDD LTE Cat3 10MHz

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.93 V	215.08 mA
2	S2_Output(CX)	0.95 V	83.32 mA
3	S5_6_Output(APPS)	1.06 V	97.78 mA
62	S3_Output(VPM_S3_1P288)	1.30 V	224.18 mA
122	L1_WTR1(SMPS3A)	0.99 V	95.91 mA
121	L1_WTR0(SMPS3A)	1.00 V	0.04 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.03 mA
112	L19_LBBRX(SMPS3A)	1.22 V	15.66 mA
9	L2_LPDDR(SMPS3A)	1.20 V	54.35 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	21.95 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.30 V	40.60 mA
5	L3_MX(SMPS3A)	1.05 V	25.80 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	8.08 mA
10	L3_PLL(SMPS3A)	1.05 V	1.53 mA

RCM channel	Regulator	V (volts)	I (ma)
28	V_S3_ELDO4(SMPS3A)	1.30 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	55.83 mA
102	L4_WTR1(SMPS4A)	1.79 V	27.61 mA
104	L4_WTR0(SMPS4A)	1.80 V	0.03 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.13 mA
94	L5_PX3(SMPS4A)	1.80 V	2.43 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	5.38 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.13 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.79 V	2.33 mA
96	L7_TXDAC(SMPS4A)	1.79 V	5.56 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.79 V	2.34 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.37 mA
100	V_S4_ELDO6	2.06 V	0.01 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA
84	L18_QFE_RF(RF 360)	2.70 V	2.34 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.05 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.70 V	0.02 mA
16	L8_EMMC[MEMORY]	0.51 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	5.33 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	5.61 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.09 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.02 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.17 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	0.04 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.06 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.69 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.69 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.68 V	1.20 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.01 mA
50	VPH_SPKR	3.69 V	0.03 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.68 V	259.22 mA
–	Battery Adjusted Value	3.68 V	257.81 mA

Table 4-36 FDD LTE Cat6 20 + 20MHz (PDCCH only)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	1.07 V	332.78 mA
2	S2_Output(CX)	1.02 V	83.69 mA
3	S5_6_Output(APPS)	0.00 V	0.07 mA
62	S3_Output(VPM_S3_1P288)	1.33 V	230.36 mA
122	L1_WTR1(SMPS3A)	1.00 V	38.98 mA
121	L1_WTR0(SMPS3A)	1.00 V	45.71 mA
70	L19_WLAN(SMPS3A)	1.23 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.23 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.23 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.23 V	0.03 mA
112	L19_LBBRX(SMPS3A)	1.21 V	65.00 mA
9	L2_LPDDR(SMPS3A)	1.23 V	16.04 mA
21	L2_USB_DVDD(SMPS3A)	1.23 V	0.07 mA
79	L2_CSI_MIPI(SMPS3A)	1.23 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.23 V	0.03 mA
81	L2_PX1(SMPS3A)	1.23 V	8.17 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.33 V	63.60 mA
5	L3_MX(SMPS3A)	1.15 V	27.53 mA
6	L3_CDC_EBIO(SMPS3A)	1.14 V	27.01 mA
10	L3_PLL(SMPS3A)	1.15 V	0.92 mA

RCM channel	Regulator	V (volts)	I (ma)
28	V_S3_ELDO4(SMPS3A)	1.33 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	76.30 mA
102	L4_WTR1(SMPS4A)	1.79 V	24.51 mA
104	L4_WTR0(SMPS4A)	1.80 V	23.91 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	1.06 mA
94	L5_PX3(SMPS4A)	1.80 V	4.85 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.86 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.03 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.13 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.13 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.04 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.13 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.13 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.13 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.13 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.78 V	7.23 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.01 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.79 V	3.68 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.03 V	5.37 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA
84	L18_QFE_RF(RF 360)	2.70 V	1.82 mA
91	V_L14_UICC1_IN(MEMORY)	1.80 V	0.04 mA
95	L14_PX5_DUAL	1.80 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.62 V	0.01 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.68 V	0.04 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.68 V	0.04 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.68 V	0.00 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.68 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.68 V	0.17 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.68 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.68 V	0.06 mA
54	VIN_TORCH(VDOM_PMi8937)	3.68 V	0.02 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.68 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.68 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.68 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.68 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.68 V	0.01 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.68 V	0.02 mA
111	VPH_PWR_ELDO3(VPH)	3.68 V	0.01 mA

RCM channel	Regulator	V (volts)	I (ma)
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.67 V	1.38 mA
130	VBATT(VDOM_VPH_LOADS)	3.69 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.68 V	0.01 mA
50	VPH_SPKR	3.68 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.47 V	0.02 mA
–	BATTERY (Measured)	3.69 V	291.57 mA
–	Battery Adjusted Value	3.69 V	290.02 mA

4.4.1.2 Multimedia cases

Table 4-37 MP3 playback 128 kbps TM

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.94 V	32.95 mA
3	S5_6_Output(APPS)	0.01 V	0.48 mA
62	S3_Output(VPM_S3_1P288)	1.28 V	9.09 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	2.74 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
81	L2_PX1(SMPS3A)	1.20 V	0.28 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.28 V	6.84 mA
5	L3_MX(SMPS3A)	1.05 V	3.88 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	0.55 mA
10	L3_PLL(SMPS3A)	1.05 V	1.47 mA
28	V_S3_ELDO4(SMPS3A)	1.28 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.07 V	15.40 mA
102	L4_WTR1(SMPS4A)	0.87 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.87 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.00 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.08 mA
94	L5_PX3(SMPS4A)	1.80 V	3.60 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.98 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.09 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
108	L7_PLL(MODEM;APPS;BIMC;PRONTO) (SMPS4A)	1.80 V	0.06 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.07 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.07 V	2.05 mA
144	CDC_VDD_CP	2.07 V	2.41 mA
105	L13_USB_VDDA	3.09 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.02 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.04 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.02 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.85 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.02 mA
–	BATTERY (Measured)	3.70 V	24.74 mA
–	Battery Adjusted Value	3.70 V	24.16 mA

Table 4-38 Listen (SVA) 100% silence

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.01 mA
2	S2_Output(CX)	0.95 V	24.71 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.28 V	6.66 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	1.25 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA

RCM channel	Regulator	V (volts)	I (ma)
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.10 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.28 V	6.06 mA
5	L3_MX(SMPS3A)	1.05 V	3.51 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	0.45 mA
10	L3_PLL(SMPS3A)	1.05 V	1.46 mA
28	V_S3_ELDO4(SMPS3A)	1.28 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.07 V	7.96 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	2.86 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.76 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.10 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.10 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.10 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.10 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.10 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.10 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
108	L7_PLL(MODEM;APPS;BIMC;PRONTO) (SMPS4A)	1.80 V	0.05 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.56 mA
100	V_S4_ELDO6	2.07 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.07 V	0.00 mA
144	CDC_VDD_CP	2.07 V	0.00 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.01 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.01 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.06 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.03 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.00 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.03 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.41 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.02 mA
-	BATTERY (Measured)	3.70 V	16.79 mA
-	Battery Adjusted Value	3.70 V	16.26 mA

Table 4-39 Listen (SVA) 100% speech

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.96 V	29.59 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.28 V	7.03 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	1.43 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.11 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.28 V	6.34 mA
5	L3_MX(SMPS3A)	1.05 V	3.78 mA

RCM channel	Regulator	V (volts)	I (ma)
6	L3_CDC_EBI0(SMPS3A)	1.05 V	0.46 mA
10	L3_PLL(SMPS3A)	1.05 V	1.46 mA
28	V_S3_ELDO4(SMPS3A)	1.28 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.07 V	8.33 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	2.86 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.79 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.25 mA
72	L6_CAM0_D_DO(SMPS4A)	0.10 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	0.10 V	0.00 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.03 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	0.10 V	0.00 mA
76	L6_SENSOR(SMPS4A)	0.10 V	0.00 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	0.10 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	0.10 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	0.05 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.56 mA
100	V_S4_ELDO6	2.07 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.07 V	0.00 mA
144	CDC_VDD_CP	2.07 V	0.01 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.85 V	0.08 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.70 V	0.01 mA
54	VIN_TORCH(VDOM_PMi8937)	3.70 V	0.02 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.70 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.41 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.02 mA
–	BATTERY (Measured)	3.70 V	18.60 mA
–	Battery Adjusted Value	3.70 V	18.19 mA

Table 4-40 H.264 720p decode 30fps

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.94 V	114.58 mA

RCM channel	Regulator	V (volts)	I (ma)
3	S5_6_Output(APPS)	0.94 V	65.46 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	74.68 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	31.38 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	9.44 mA
81	L2_PX1(SMPS3A)	1.20 V	14.10 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	23.67 mA
5	L3_MX(SMPS3A)	1.05 V	14.18 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	4.78 mA
10	L3_PLL(SMPS3A)	1.05 V	1.47 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	46.10 mA
102	L4_WTR1(SMPS4A)	0.88 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.88 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.08 mA
94	L5_PX3(SMPS4A)	1.80 V	3.65 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	3.19 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
123	L5_EMMC(SMPS4A)	1.80 V	0.13 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	22.65 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.42 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.05 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.01 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO) (SMPS4A)	1.80 V	1.06 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.01 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	2.07 mA
144	CDC_VDD_CP	2.06 V	2.44 mA
105	L13_USB_VDDA	3.09 V	0.00 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.25 V	0.00 mA
16	L8_EMMC[MEMORY]	0.72 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
25	L17_CAM0_ACT[CAMERA]	2.85 V	1.23 mA
27	L17_CAM1_ACT[CAMERA]	2.85 V	0.57 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.03 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.06 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.03 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	84.01 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.02 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.65 V	13.15 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.66 V	10.07 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	1.03 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.11 mA
50	VPH_SPKR	3.69 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.70 V	226.82 mA
–	Battery Adjusted Value	3.70 V	101.23 mA

Table 4-41 16MP ZSL camera preview, 30fps

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	1.00 V	322.24 mA

RCM channel	Regulator	V (volts)	I (ma)
3	S5_6_Output(APPS)	0.93 V	126.03 mA
62	S3_Output(VPM_S3_1P288)	1.27 V	420.41 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	61.42 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.07 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	11.46 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	8.12 mA
81	L2_PX1(SMPS3A)	1.20 V	31.45 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.27 V	100.21 mA
5	L3_MX(SMPS3A)	1.06 V	70.25 mA
6	L3_CDC_EBIO(SMPS3A)	1.06 V	14.08 mA
10	L3_PLL(SMPS3A)	1.06 V	1.48 mA
28	V_S3_ELDO4(SMPS3A)	1.25 V	221.71 mA
26	ELDO4_CAM0_D(SMPS3A)	1.09 V	221.87 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	47.75 mA
102	L4_WTR1(SMPS4A)	0.85 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.85 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.09 mA
94	L5_PX3(SMPS4A)	1.80 V	9.45 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	4.97 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
123	L5_EMMC(SMPS4A)	1.80 V	0.10 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	1.89 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	20.35 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.43 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.22 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.36 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.01 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.85 V	8.75 mA

RCM channel	Regulator	V (volts)	I (ma)
27	L17_CAM1_ACT(CAMERA)	2.85 V	3.95 mA
40	L22_CAM1(CAMERA)	2.81 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.68 V	0.11 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.68 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.68 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.68 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.68 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.68 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.68 V	84.10 mA
54	VIN_TORCH(VDOM_PMi8937)	3.68 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.64 V	12.85 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.65 V	9.36 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.68 V	0.03 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.68 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.68 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.68 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.66 V	45.34 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.68 V	1.00 mA
130	VBATT(VDOM_VPH_LOADS)	3.69 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.68 V	0.11 mA
50	VPH_SPKR	3.68 V	0.01 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.70 V	505.18 mA
–	Battery Adjusted Value	3.70 V	240.23 mA

Table 4-42 1080p Encode(16MP sensor), 30fps

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	1.07 V	468.49 mA
3	S5_6_Output(APPS)	1.03 V	173.86 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	534.61 mA

RCM channel	Regulator	V (volts)	I (ma)
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.21 V	114.85 mA
21	L2_USB_DVDD(SMPS3A)	1.21 V	0.07 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	11.68 mA
80	L2_DSI_MIPI(SMPS3A)	1.21 V	7.98 mA
81	L2_PX1(SMPS3A)	1.21 V	40.63 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	157.96 mA
5	L3_MX(SMPS3A)	1.12 V	104.01 mA
6	L3_CDC_EBIO(SMPS3A)	1.11 V	29.44 mA
10	L3_PLL(SMPS3A)	1.12 V	1.51 mA
28	V_S3_ELDO4(SMPS3A)	1.28 V	223.85 mA
26	ELDO4_CAM0_D(SMPS3A)	1.09 V	224.01 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	59.88 mA
102	L4_WTR1(SMPS4A)	0.84 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.84 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.20 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.10 mA
94	L5_PX3(SMPS4A)	1.80 V	15.40 mA
98	L5_DDR_VDD1(SMPS4A)	1.79 V	7.77 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	1.24 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA

RCM channel	Regulator	V (volts)	I (ma)
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	1.89 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	21.44 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.43 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.22 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.01 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	2.14 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.04 mA
105	L13_USB_VDDA	3.08 V	0.00 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	2.59 V	0.73 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.85 V	8.21 mA
27	L17_CAM1_ACT[CAMERA]	2.85 V	3.71 mA
40	L22_CAM1[CAMERA]	2.81 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
11	VPH_PWR_RF2(PA)	3.68 V	0.11 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.68 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.68 V	0.07 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.68 V	0.01 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.68 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.68 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMI8937)	3.67 V	84.22 mA
54	VIN_TORCH(VDOM_PMI8937)	3.68 V	0.04 mA
131	VPH_PWR_DISP(VDOM_PMI8937)	3.64 V	12.84 mA
132	VPH_PWR_DISN(VDOM_PMI8937)	3.65 V	9.33 mA
133	VPH_PWR_HAP(VDOM_PMI8937)	3.68 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMI8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.68 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.68 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.68 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.65 V	45.34 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.67 V	1.13 mA
130	VBATT(VDOM_VPH_LOADS)	3.69 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.68 V	0.11 mA
50	VPH_SPKR	3.68 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.65 V	0.02 mA
–	BATTERY (Measured)	3.70 V	639.65 mA
–	Battery Adjusted Value	3.70 V	369.31 mA

Table 4-43 H.264 1080p decode, 30fps

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.94 V	131.46 mA
3	S5_6_Output(APPS)	0.99 V	78.34 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	106.85 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	49.08 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	9.47 mA
81	L2_PX1(SMPS3A)	1.20 V	20.91 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	32.61 mA
5	L3_MX(SMPS3A)	1.05 V	19.50 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	7.14 mA
10	L3_PLL(SMPS3A)	1.05 V	1.47 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	51.77 mA
102	L4_WTR1(SMPS4A)	0.87 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.87 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.06 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.00 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.08 mA
94	L5_PX3(SMPS4A)	1.80 V	3.69 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	4.38 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	3.08 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	23.35 mA

RCM channel	Regulator	V (volts)	I (ma)
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.42 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.09 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	2.10 mA
144	CDC_VDD_CP	2.06 V	2.38 mA
105	L13_USB_VDDA	3.09 V	0.00 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.01 mA
16	L8_EMMC[MEMORY]	2.90 V	0.60 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.86 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.86 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	2.86 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.01 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.05 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	84.13 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.04 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.65 V	13.19 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.66 V	10.08 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.00 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.68 V	1.08 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.11 mA
50	VPH_SPKR	3.69 V	0.02 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.01 mA
–	BATTERY (Measured)	3.70 V	250.86 mA
–	Battery Adjusted Value	3.70 V	124.35 mA

Table 4-44 16MP ZSL camera snapshot

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	1.01 V	343.12 mA
3	S5_6_Output(APPS)	0.99 V	156.39 mA
62	S3_Output(VPM_S3_1P288)	1.27 V	433.19 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	67.04 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.07 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	11.50 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	8.13 mA
81	L2_PX1(SMPS3A)	1.20 V	32.91 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.27 V	106.39 mA
5	L3_MX(SMPS3A)	1.07 V	72.83 mA
6	L3_CDC_EBIO(SMPS3A)	1.07 V	16.76 mA
10	L3_PLL(SMPS3A)	1.07 V	1.49 mA
28	V_S3_ELDO4(SMPS3A)	1.26 V	222.02 mA
26	ELDO4_CAM0_D(SMPS3A)	1.09 V	222.18 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	49.86 mA
102	L4_WTR1(SMPS4A)	0.88 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.88 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.01 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.10 mA
94	L5_PX3(SMPS4A)	1.80 V	10.47 mA

RCM channel	Regulator	V (volts)	I (ma)
98	L5_DDR_VDD1(SMPS4A)	1.80 V	5.40 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.23 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	1.89 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	20.26 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.97 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.43 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.22 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO) (SMPS4A)	1.80 V	1.64 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	7.08 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.13 V	0.01 mA
16	L8_EMMC[MEMORY]	1.91 V	0.06 mA

RCM channel	Regulator	V (volts)	I (ma)
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.85 V	14.48 mA
27	L17_CAM1_ACT[CAMERA]	2.85 V	6.53 mA
40	L22_CAM1[CAMERA]	2.81 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.68 V	0.11 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.68 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.68 V	0.01 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.68 V	0.01 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.68 V	0.03 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.68 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMI8937)	3.68 V	84.14 mA
54	VIN_TORCH(VDOM_PMI8937)	3.68 V	0.03 mA
131	VPH_PWR_DISP(VDOM_PMI8937)	3.64 V	12.84 mA
132	VPH_PWR_DISN(VDOM_PMI8937)	3.65 V	9.35 mA
133	VPH_PWR_HAP(VDOM_PMI8937)	3.68 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMI8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.68 V	0.01 mA
67	VPH_PWR_EXT_LCD_BIAS	3.68 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.68 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.66 V	45.34 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.67 V	1.10 mA
130	VBATT(VDOM_VPH_LOADS)	3.69 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.68 V	0.11 mA
50	VPH_SPKR	3.68 V	1.24 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	4.48 V	0.87 mA
-	BATTERY (Measured)	3.70 V	544.55 mA
-	Battery Adjusted Value	3.70 V	265.97 mA

Table 4-45 EgyptHD, 30fps

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	1.16 V	490.99 mA
3	S5_6_Output(APPS)	1.06 V	134.44 mA
62	S3_Output(VPM_S3_1P288)	1.37 V	314.51 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.22 V	153.79 mA
21	L2_USB_DVDD(SMPS3A)	1.22 V	0.07 mA
79	L2_CSI_MIPI(SMPS3A)	1.22 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.22 V	8.46 mA
81	L2_PX1(SMPS3A)	1.22 V	34.96 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.37 V	136.59 mA
5	L3_MX(SMPS3A)	1.25 V	67.32 mA
6	L3_CDC_EBIO(SMPS3A)	1.23 V	48.24 mA
10	L3_PLL(SMPS3A)	1.25 V	1.57 mA
28	V_S3_ELDO4(SMPS3A)	1.37 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	57.11 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.09 mA
94	L5_PX3(SMPS4A)	1.80 V	13.53 mA

RCM channel	Regulator	V (volts)	I (ma)
98	L5_DDR_VDD1(SMPS4A)	1.79 V	7.57 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.08 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.30 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	23.69 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.43 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.79 V	3.38 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.01 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.85 V	1.23 mA
27	L17_CAM1_ACT[CAMERA]	2.85 V	0.57 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.68 V	0.02 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.68 V	0.02 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.68 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.68 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.68 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.68 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.67 V	228.26 mA
54	VIN_TORCH(VDOM_PMi8937)	3.68 V	0.02 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.64 V	13.07 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.65 V	9.50 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.68 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.68 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.68 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.68 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.68 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.67 V	1.08 mA
130	VBATT(VDOM_VPH_LOADS)	3.69 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.68 V	0.23 mA
50	VPH_SPKR	3.68 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.01 mA
–	BATTERY (Measured)	3.70 V	648.88 mA
–	Battery Adjusted Value	3.70 V	380.64 mA

Table 4-46 3D UI 30fps (graphic, power lift)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.94 V	165.95 mA
3	S5_6_Output(APPS)	1.06 V	80.26 mA
62	S3_Output(VPM_S3_1P288)	1.28 V	104.01 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	45.92 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	9.08 mA
81	L2_PX1(SMPS3A)	1.20 V	18.32 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.28 V	35.48 mA
5	L3_MX(SMPS3A)	1.05 V	22.76 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	6.45 mA
10	L3_PLL(SMPS3A)	1.05 V	1.47 mA
28	V_S3_ELDO4(SMPS3A)	1.28 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	35.26 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.01 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.08 mA
94	L5_PX3(SMPS4A)	1.80 V	2.12 mA

RCM channel	Regulator	V (volts)	I (ma)
98	L5_DDR_VDD1(SMPS4A)	1.80 V	3.18 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.01 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	20.31 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.42 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO) (SMPS4A)	1.80 V	1.38 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.86 V	0.01 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.85 V	1.23 mA
27	L17_CAM1_ACT[CAMERA]	2.85 V	0.57 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.01 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.02 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.01 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.03 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMI8937)	3.68 V	83.94 mA
54	VIN_TORCH(VDOM_PMI8937)	3.69 V	0.02 mA
131	VPH_PWR_DISP(VDOM_PMI8937)	3.65 V	14.43 mA
132	VPH_PWR_DISN(VDOM_PMI8937)	3.66 V	11.22 mA
133	VPH_PWR_HAP(VDOM_PMI8937)	3.69 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMI8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.73 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.11 mA
50	VPH_SPKR	3.69 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.01 mA
-	BATTERY (Measured)	3.70 V	252.70 mA
-	Battery Adjusted Value	3.70 V	126.14 mA

Table 4-47 T-Rex, 15fps

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	1.18 V	562.00 mA
3	S5_6_Output(APPS)	1.06 V	75.26 mA
62	S3_Output(VPM_S3_1P288)	1.39 V	283.28 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.22 V	108.18 mA
21	L2_USB_DVDD(SMPS3A)	1.22 V	0.07 mA
79	L2_CSI_MIPI(SMPS3A)	1.22 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.22 V	8.74 mA
81	L2_PX1(SMPS3A)	1.22 V	29.48 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.39 V	159.83 mA
5	L3_MX(SMPS3A)	1.31 V	86.44 mA
6	L3_CDC_EBIO(SMPS3A)	1.30 V	49.84 mA
10	L3_PLL(SMPS3A)	1.31 V	1.60 mA
28	V_S3_ELDO4(SMPS3A)	1.39 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	54.87 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.09 mA
94	L5_PX3(SMPS4A)	1.80 V	10.63 mA

RCM channel	Regulator	V (volts)	I (ma)
98	L5_DDR_VDD1(SMPS4A)	1.79 V	6.16 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.09 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.01 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	25.52 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.43 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.79 V	3.20 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.85 V	1.23 mA
27	L17_CAM1_ACT[CAMERA]	2.85 V	0.57 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.68 V	0.01 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.68 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.68 V	0.04 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.68 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.68 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.68 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.68 V	84.15 mA
54	VIN_TORCH(VDOM_PMi8937)	3.68 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.64 V	13.22 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.65 V	9.84 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.68 V	0.02 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.68 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.68 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.68 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.68 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.67 V	2.27 mA
130	VBATT(VDOM_VPH_LOADS)	3.69 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.68 V	0.12 mA
50	VPH_SPKR	3.68 V	0.01 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.01 mA
	BATTERY (Measured)	3.70 V	503.88 mA
	Battery Adjusted Value	3.70 V	376.46 mA

Table 4-48 Static image(48 fps)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.10 mA
2	S2_Output(CX)	0.94 V	71.45 mA
3	S5_6_Output(APPS)	0.01 V	0.92 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	32.59 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	12.18 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	7.26 mA
81	L2_PX1(SMPS3A)	1.20 V	2.82 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	12.01 mA
5	L3_MX(SMPS3A)	1.05 V	7.53 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	1.73 mA
10	L3_PLL(SMPS3A)	1.05 V	1.47 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.02 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.01 mA
55	S4_Output(VPM_S4_2P05)	2.07 V	28.80 mA
102	L4_WTR1(SMPS4A)	0.88 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.88 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.08 mA
94	L5_PX3(SMPS4A)	1.80 V	2.12 mA

RCM channel	Regulator	V (volts)	I (ma)
98	L5_DDR_VDD1(SMPS4A)	1.80 V	1.44 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.10 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	17.13 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.42 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	0.73 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.07 V	0.00 mA
35	ELDO6_BC	0.00 V	0.01 mA
143	CDC_VDD_PA	2.07 V	0.00 mA
144	CDC_VDD_CP	2.07 V	0.01 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.01 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.86 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.86 V	0.02 mA
27	L17_CAM1_ACT[CAMERA]	2.86 V	0.01 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.06 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.10 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.08 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.06 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.25 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	84.06 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.03 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.65 V	12.90 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.66 V	9.76 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.02 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.01 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.53 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.12 mA
50	VPH_SPKR	3.69 V	0.01 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.70 V	162.59 mA
	Battery Adjusted Value	3.70 V	42.69 mA

Table 4-49 Accelerometer active 15Hz

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.01 mA
2	S2_Output(CX)	0.94 V	74.02 mA
3	S5_6_Output(APPS)	0.09 V	6.15 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	34.13 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	12.97 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	7.24 mA
81	L2_PX1(SMPS3A)	1.20 V	3.39 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	12.40 mA
5	L3_MX(SMPS3A)	1.05 V	7.56 mA
6	L3_CDC_EBIO(SMPS3A)	1.05 V	1.88 mA
10	L3_PLL(SMPS3A)	1.05 V	1.47 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	29.03 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.01 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.07 mA
94	L5_PX3(SMPS4A)	1.80 V	1.88 mA

RCM channel	Regulator	V (volts)	I (ma)
98	L5_DDR_VDD1(SMPS4A)	1.80 V	1.55 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.12 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	17.17 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.42 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.14 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.01 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	0.77 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.01 mA
56	VIN_GR7_L20_L21	2.06 V	1.56 mA
100	V_S4_ELDO6	2.07 V	0.01 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.01 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.86 V	0.01 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.06 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.86 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.86 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	2.86 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.02 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.02 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.01 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.04 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	83.90 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.04 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.65 V	12.88 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.66 V	9.72 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.02 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.02 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.53 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.12 mA
50	VPH_SPKR	3.69 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.70 V	165.33 mA
–	Battery Adjusted Value	3.70 V	45.73 mA

Table 4-50 Accelerometer background 20Hz w/ 1Hz aDSP wake-up

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.52 V	2.44 mA
3	S5_6_Output(APPS)	0.00 V	0.00 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	1.78 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	0.94 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.05 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.00 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	0.94 mA
5	L3_MX(SMPS3A)	0.60 V	0.78 mA
6	L3_CDC_EBIO(SMPS3A)	0.60 V	0.06 mA
10	L3_PLL(SMPS3A)	0.60 V	0.00 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	1.91 V	1.58 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	0.34 mA

RCM channel	Regulator	V (volts)	I (ma)
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.71 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.10 mA
124	VDD_MSM_IO(SMPS4A)	1.80 V	0.01 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.02 mA
73	L6_LCD_IO(SMPS4A)	1.80 V	0.01 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.01 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.14 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.03 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.03 V	0.00 mA
106	USB_VDDA(SMPS4A)	1.03 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO) (SMPS4A)	1.03 V	0.00 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.03 V	0.00 mA
56	VIN_GR7_L20_L21	1.91 V	0.01 mA
100	V_S4_ELDO6	1.91 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	1.91 V	0.00 mA
144	CDC_VDD_CP	1.91 V	0.01 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.85 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	0.03 mA
84	L18_QFE_RF(RF 360)	0.00 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.10 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	0.00 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	0.00 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	0.00 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.70 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.70 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.70 V	0.03 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.70 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.70 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.70 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMI8937)	3.70 V	0.01 mA
54	VIN_TORCH(VDOM_PMI8937)	3.70 V	0.04 mA
131	VPH_PWR_DISP(VDOM_PMI8937)	3.70 V	0.00 mA
132	VPH_PWR_DISN(VDOM_PMI8937)	3.70 V	0.00 mA
133	VPH_PWR_HAP(VDOM_PMI8937)	3.70 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMI8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.70 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.70 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.70 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.70 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.70 V	0.07 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.70 V	0.01 mA
50	VPH_SPKR	3.70 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.49 V	0.02 mA
-	BATTERY (Measured)	3.70 V	2.58 mA
-	Battery Adjusted Value	3.70 V	2.29 mA

Table 4-51 Video streaming over Wi-Fi

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.96 V	125.79 mA
3	S5_6_Output(APPS)	0.99 V	99.76 mA
62	S3_Output(VPM_S3_1P288)	1.32 V	99.33 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	1.28 V	0.81 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.28 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.28 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.30 V	15.44 mA
112	L19_LBBRX(SMPS3A)	1.28 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	35.49 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.09 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	9.38 mA
81	L2_PX1(SMPS3A)	1.20 V	14.95 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.32 V	26.78 mA
5	L3_MX(SMPS3A)	1.07 V	15.69 mA
6	L3_CDC_EBIO(SMPS3A)	1.07 V	6.12 mA
10	L3_PLL(SMPS3A)	1.07 V	1.52 mA
28	V_S3_ELDO4(SMPS3A)	1.32 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.07 V	48.43 mA
102	L4_WTR1(SMPS4A)	0.91 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.91 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.81 V	0.03 mA
94	L5_PX3(SMPS4A)	1.80 V	4.01 mA

RCM channel	Regulator	V (volts)	I (ma)
98	L5_DDR_VDD1(SMPS4A)	1.80 V	3.58 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.32 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.20 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.35 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	21.99 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.41 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.45 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.14 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.02 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.48 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	1.75 mA
56	VIN_GR7_L20_L21	2.06 V	1.64 mA
100	V_S4_ELDO6	2.07 V	0.01 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.07 V	1.96 mA
144	CDC_VDD_CP	2.07 V	2.26 mA
105	L13_USB_VDDA	3.08 V	0.01 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.86 V	2.17 mA
84	L18_QFE_RF(RF 360)	0.15 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	3.31 V	0.02 mA
16	L8_EMMC[MEMORY]	2.24 V	0.04 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.86 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.86 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	2.86 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.68 V	0.01 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.68 V	0.01 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.68 V	2.70 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.68 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.68 V	0.03 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.68 V	0.05 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.68 V	8.13 mA
54	VIN_TORCH(VDOM_PMi8937)	3.68 V	0.03 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.64 V	14.14 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.65 V	10.27 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.68 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.68 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.68 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.68 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.68 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.68 V	1.06 mA
130	VBATT(VDOM_VPH_LOADS)	3.69 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.68 V	0.02 mA
50	VPH_SPKR	3.68 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
–	BATTERY (Measured)	3.69 V	182.27 mA
–	Battery Adjusted Value	3.69 V	133.01 mA

Table 4-52 Browser over Wi-Fi

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.03 mA
2	S2_Output(CX)	0.95 V	83.87 mA
3	S5_6_Output(APPS)	0.22 V	23.07 mA
62	S3_Output(VPM_S3_1P288)	1.31 V	45.88 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	1.27 V	0.27 mA
83	L19_WGR (VDD_RF)(SMPS3A)	1.27 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	1.27 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	1.29 V	5.40 mA
112	L19_LBBRX(SMPS3A)	1.27 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	16.74 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	5.17 mA
81	L2_PX1(SMPS3A)	1.20 V	5.02 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.31 V	15.12 mA
5	L3_MX(SMPS3A)	1.07 V	8.66 mA
6	L3_CDC_EBIO(SMPS3A)	1.06 V	3.15 mA
10	L3_PLL(SMPS3A)	1.06 V	1.52 mA
28	V_S3_ELDO4(SMPS3A)	1.31 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.07 V	30.33 mA
102	L4_WTR1(SMPS4A)	0.91 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.91 V	0.02 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.01 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.81 V	0.03 mA
94	L5_PX3(SMPS4A)	1.80 V	2.22 mA

RCM channel	Regulator	V (volts)	I (ma)
98	L5_DDR_VDD1(SMPS4A)	1.80 V	1.85 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.13 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.26 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.35 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	16.64 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.41 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.43 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.14 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.01 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.00 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.64 mA
56	VIN_GR7_L20_L21	2.06 V	1.64 mA
100	V_S4_ELDO6	2.07 V	0.01 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.07 V	0.00 mA
144	CDC_VDD_CP	2.07 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.86 V	0.01 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.86 V	2.17 mA
84	L18_QFE_RF(RF 360)	0.15 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	3.31 V	0.02 mA
16	L8_EMMC[MEMORY]	2.28 V	0.06 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.86 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.86 V	0.00 mA
27	L17_CAM1_ACT[CAMERA]	2.86 V	0.00 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.68 V	0.03 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.68 V	0.05 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.68 V	0.99 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.68 V	0.02 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.68 V	0.13 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.68 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.68 V	8.13 mA
54	VIN_TORCH(VDOM_PMi8937)	3.68 V	0.03 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.64 V	13.60 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.65 V	9.76 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.68 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.68 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.68 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.68 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.68 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.68 V	0.56 mA
130	VBATT(VDOM_VPH_LOADS)	3.69 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.68 V	0.02 mA
50	VPH_SPKR	3.68 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
	BATTERY (Measured)	3.69 V	108.10 mA
	Battery Adjusted Value	3.69 V	63.24 mA

4.4.2 Command Mode panel

This section lists the rail level breakdown data for modem and multimedia power dashboard use cases based on the CS release MSM8940.LA.2.0-00300-STD.PROD-1 (42 Internal) , FHD command mode, 2GB DDR

Table 4-53 Static image (48 fps)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.01 mA
2	S2_Output(CX)	0.52 V	1.97 mA
3	S5_6_Output(APPS)	0.01 V	0.53 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	1.67 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	1.02 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.04 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	0.02 mA
81	L2_PX1(SMPS3A)	1.20 V	0.03 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	0.77 mA
5	L3_MX(SMPS3A)	0.61 V	0.74 mA
6	L3_CDC_EBIO(SMPS3A)	0.61 V	0.05 mA
10	L3_PLL(SMPS3A)	0.61 V	0.01 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	1.91 V	16.58 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.06 mA
94	L5_PX3(SMPS4A)	1.80 V	0.34 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	0.71 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.12 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.00 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	13.29 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.41 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	0.00 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.02 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	0.76 V	0.00 mA
96	L7_TXDAC(SMPS4A)	0.76 V	0.00 mA
106	USB_VDDA(SMPS4A)	0.76 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO) (SMPS4A)	0.76 V	0.01 mA
109	L7_WCN_XO_1P8(SMPS4A)	0.76 V	0.00 mA
56	VIN_GR7_L20_L21	1.91 V	0.02 mA
100	V_S4_ELDO6	1.91 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	1.91 V	0.00 mA
144	CDC_VDD_CP	1.91 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.00 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA
95	L14_PX5_DUAL	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.10 V	0.00 mA
16	L8_EMMC(MEMORY)	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.86 V	0.00 mA
25	L17_CAM0_ACT(CAMERA)	2.86 V	0.00 mA
27	L17_CAM1_ACT(CAMERA)	2.86 V	0.00 mA
40	L22_CAM1(CAMERA)	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.02 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.02 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.06 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.01 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.05 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	83.79 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.03 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.65 V	13.24 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.66 V	10.24 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.21 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.11 mA
50	VPH_SPKR	3.69 V	0.01 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA
-	BATTERY (Measured)	3.70 V	120.82 mA

RCM channel	Regulator	V (volts)	I (ma)
–	Battery Adjusted Value	3.70 V	3.58 mA

Table 4-54 H.264 720p decode, 30fps

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.94 V	104.94 mA
3	S5_6_Output(APPS)	0.95 V	69.37 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	66.19 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	30.42 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	4.52 mA
81	L2_PX1(SMPS3A)	1.20 V	14.07 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	20.25 mA
5	L3_MX(SMPS3A)	1.05 V	11.05 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	4.73 mA
10	L3_PLL(SMPS3A)	1.05 V	1.47 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	52.69 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.08 mA
94	L5_PX3(SMPS4A)	1.80 V	3.68 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	3.10 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.10 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.01 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	29.56 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.42 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.01 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO) (SMPS4A)	1.80 V	1.08 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.02 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	2.14 mA
144	CDC_VDD_CP	2.06 V	2.47 mA
105	L13_USB_VDDA	3.09 V	0.01 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.85 V	1.22 mA
27	L17_CAM1_ACT[CAMERA]	2.85 V	0.57 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.00 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.02 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	83.94 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.65 V	13.15 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.66 V	10.06 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.68 V	1.03 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.11 mA
50	VPH_SPKR	3.69 V	0.01 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
–	BATTERY (Measured)	3.70 V	225.60 mA
–	Battery Adjusted Value	3.70 V	95.51 mA

Table 4-55 H.264 1080p decode 30fps

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.93 V	114.10 mA
3	S5_6_Output(APPS)	0.99 V	76.57 mA
62	S3_Output(VPM_S3_1P288)	1.29 V	94.02 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	45.58 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.07 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.03 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	4.51 mA
81	L2_PX1(SMPS3A)	1.20 V	20.27 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.29 V	27.80 mA
5	L3_MX(SMPS3A)	1.05 V	15.51 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	6.84 mA
10	L3_PLL(SMPS3A)	1.05 V	1.47 mA
28	V_S3_ELDO4(SMPS3A)	1.29 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	54.62 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.07 mA
94	L5_PX3(SMPS4A)	1.80 V	3.66 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	4.10 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.10 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.01 mA
73	L6_LCD_IO(SMPS4A)	1.78 V	30.82 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.42 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.01 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.11 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	2.08 mA
144	CDC_VDD_CP	2.06 V	2.38 mA
105	L13_USB_VDDA	3.09 V	0.01 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.85 V	1.23 mA
27	L17_CAM1_ACT[CAMERA]	2.85 V	0.57 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.01 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.00 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.00 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.00 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.00 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.69 V	83.97 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.00 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.65 V	13.17 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.66 V	10.09 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.00 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.02 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.01 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.68 V	1.06 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.01 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.11 mA
50	VPH_SPKR	3.69 V	0.00 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
–	BATTERY (Measured)	3.70 V	242.66 mA
–	Battery Adjusted Value	3.70 V	112.16 mA

Table 4-56 3D UI 30fps (graphic, power lift)

RCM channel	Regulator	V (volts)	I (ma)
1	S1_Output(MSS)	0.00 V	0.00 mA
2	S2_Output(CX)	0.94 V	153.17 mA
3	S5_6_Output(APPS)	1.06 V	79.01 mA
62	S3_Output(VPM_S3_1P288)	1.28 V	87.12 mA
122	L1_WTR1(SMPS3A)	0.00 V	0.00 mA
121	L1_WTR0(SMPS3A)	0.00 V	0.00 mA
70	L19_WLAN(SMPS3A)	0.00 V	0.00 mA
83	L19_WGR (VDD_RF)(SMPS3A)	0.00 V	0.00 mA
85	L19_GPS_AVDD(SMPS3A)	0.00 V	0.00 mA
86	L19_WCN_VDD(SMPS3A)	0.00 V	0.00 mA
112	L19_LBBRX(SMPS3A)	0.00 V	0.00 mA
9	L2_LPDDR(SMPS3A)	1.20 V	37.93 mA
21	L2_USB_DVDD(SMPS3A)	1.20 V	0.06 mA
79	L2_CSI_MIPI(SMPS3A)	1.20 V	0.02 mA
80	L2_DSI_MIPI(SMPS3A)	1.20 V	4.18 mA
81	L2_PX1(SMPS3A)	1.20 V	16.80 mA
29	L23_CAM1_D(SMPS3A)	0.00 V	0.00 mA
64	VIN_GR3_L3	1.28 V	32.66 mA
5	L3_MX(SMPS3A)	1.05 V	21.18 mA
6	L3_CDC_EBI0(SMPS3A)	1.05 V	5.62 mA
10	L3_PLL(SMPS3A)	1.05 V	1.47 mA
28	V_S3_ELDO4(SMPS3A)	1.28 V	0.00 mA
26	ELDO4_CAM0_D(SMPS3A)	0.00 V	0.00 mA
55	S4_Output(VPM_S4_2P05)	2.06 V	40.33 mA
102	L4_WTR1(SMPS4A)	0.13 V	0.00 mA
104	L4_WTR0(SMPS4A)	0.13 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
7	L5_HDS(HEADSET)(SMPS4A)	1.80 V	0.00 mA
8	L5_PX7(SMPS4A)	1.80 V	0.00 mA
18	L5_WSA_DAC(SMPS4A)	1.80 V	0.01 mA
82	L5_NFC_VDDPX(SMPS4A)	1.80 V	0.00 mA
93	L5_QFE_RF(SMPS4A)	1.80 V	0.07 mA
94	L5_PX3(SMPS4A)	1.80 V	2.12 mA
98	L5_DDR_VDD1(SMPS4A)	1.80 V	2.77 mA
99	L5_FP(Finger Print Sensor)(SMPS4A)	1.80 V	0.00 mA
120	L5_WCN_IO(SMPS4A)	1.80 V	0.00 mA
123	L5_EMMC(SMPS4A)	1.80 V	0.11 mA
124	VDD_MSM_IO(SMPS4A)	1.79 V	1.44 mA
72	L6_CAM0_D_DO(SMPS4A)	1.80 V	0.01 mA
73	L6_LCD_IO(SMPS4A)	1.79 V	26.33 mA
74	L5_TS_IO(SMPS4A)	1.80 V	0.43 mA
75	L6_DSI_PLL(MIPI)(SMPS4A)	1.80 V	2.42 mA
76	L6_SENSOR(SMPS4A)	1.80 V	0.21 mA
77	L6_QFPROM (BLOW_VDD)(SMPS4A)	1.80 V	0.00 mA
78	L6_CAM1_D0(SMPS4A)	1.80 V	0.00 mA
92	L7_HBBRX(SMPS4A)	1.80 V	0.00 mA
96	L7_TXDAC(SMPS4A)	1.80 V	0.06 mA
106	USB_VDDA(SMPS4A)	1.80 V	0.00 mA
108	L7_PLL(MODEM;APPS;BIMC;PRONTO)(SMPS4A)	1.80 V	1.38 mA
109	L7_WCN_XO_1P8(SMPS4A)	1.80 V	0.00 mA
56	VIN_GR7_L20_L21	2.06 V	1.54 mA
100	V_S4_ELDO6	2.06 V	0.00 mA
35	ELDO6_BC	0.00 V	0.00 mA
143	CDC_VDD_PA	2.06 V	0.00 mA
144	CDC_VDD_CP	2.06 V	0.00 mA
105	L13_USB_VDDA	0.00 V	0.00 mA
118	L10_SENSOR	2.86 V	0.00 mA
24	V_L10_TS_2P85(TOUCHSCRN)	2.85 V	2.07 mA
84	L18_QFE_RF(RF 360)	0.01 V	0.00 mA
91	V_L14_UICC1_IN(MEMORY)	0.00 V	0.00 mA

RCM channel	Regulator	V (volts)	I (ma)
95	L14_PX5_DUAL	0.00 V	0.00 mA
17	L15_UICC2_IN(MEMORY)	0.00 V	0.00 mA
20	L15_PX6_DUAL	0.00 V	0.00 mA
88	L9_WCN[WCN3680]	0.12 V	0.00 mA
16	L8_EMMC[MEMORY]	0.00 V	0.00 mA
110	L11_SDC2(MEM-SD)	0.00 V	0.00 mA
97	L12_PX2	0.00 V	0.00 mA
23	L17_LCD[DISPLAY]	2.85 V	0.00 mA
25	L17_CAM0_ACT[CAMERA]	2.85 V	1.23 mA
27	L17_CAM1_ACT[CAMERA]	2.85 V	0.57 mA
40	L22_CAM1[CAMERA]	0.00 V	0.00 mA
11	VPH_PWR_RF2(PA)	3.69 V	0.02 mA
14	VPH_PWR_RF1(VDOM_VPH_LOADS)	3.69 V	0.02 mA
12	VPH_PWR_WLAN(VDOM_VPH_LOADS)	3.69 V	0.07 mA
13	VPH_PWR_FP(Finger Print Sensor)(VDOM_VPH_LOADS)	3.69 V	0.01 mA
19	VPH_PWR_BONGO(VDOM_VPH_LOADS)	3.69 V	0.04 mA
36	VPH_PWR_USBC(VDOM_VPH_LOADS)	3.69 V	0.04 mA
52	VPH_PWR_WLED(VDOM_PMi8937)	3.68 V	84.04 mA
54	VIN_TORCH(VDOM_PMi8937)	3.69 V	0.05 mA
131	VPH_PWR_DISP(VDOM_PMi8937)	3.65 V	14.42 mA
132	VPH_PWR_DISN(VDOM_PMi8937)	3.66 V	11.22 mA
133	VPH_PWR_HAP(VDOM_PMi8937)	3.69 V	0.01 mA
46	USB_VBUS(charger_from_VDOM_PMi8937)	0.10 V	0.00 mA
51	VPH_CHG_LED	3.69 V	0.00 mA
67	VPH_PWR_EXT_LCD_BIAS	3.69 V	0.00 mA
101	VPH_PWR_BC_CP(HDMI_CP)(VDOM_AD9394)	3.69 V	0.01 mA
111	VPH_PWR_ELDO3(VPH)	3.69 V	0.00 mA
129	VPH_PWR_PM8937(VDOM_VPH_LOADS)	3.69 V	0.70 mA
130	VBATT(VDOM_VPH_LOADS)	3.70 V	0.00 mA
134	VPH_PVDD_PMI(VDOM_VPH_LOADS)	3.69 V	0.11 mA
50	VPH_SPKR	3.69 V	0.01 mA
152	CDC_BOOST_VREG_5V (5V_BOOST_REG)	3.48 V	0.02 mA

RCM channel	Regulator	V (volts)	I (ma)
–	BATTERY (Measured)	3.70 V	245.23 mA
–	Battery Adjusted Value	3.70 V	114.71 mA

4.5 A53 octa-core Dhrystone power

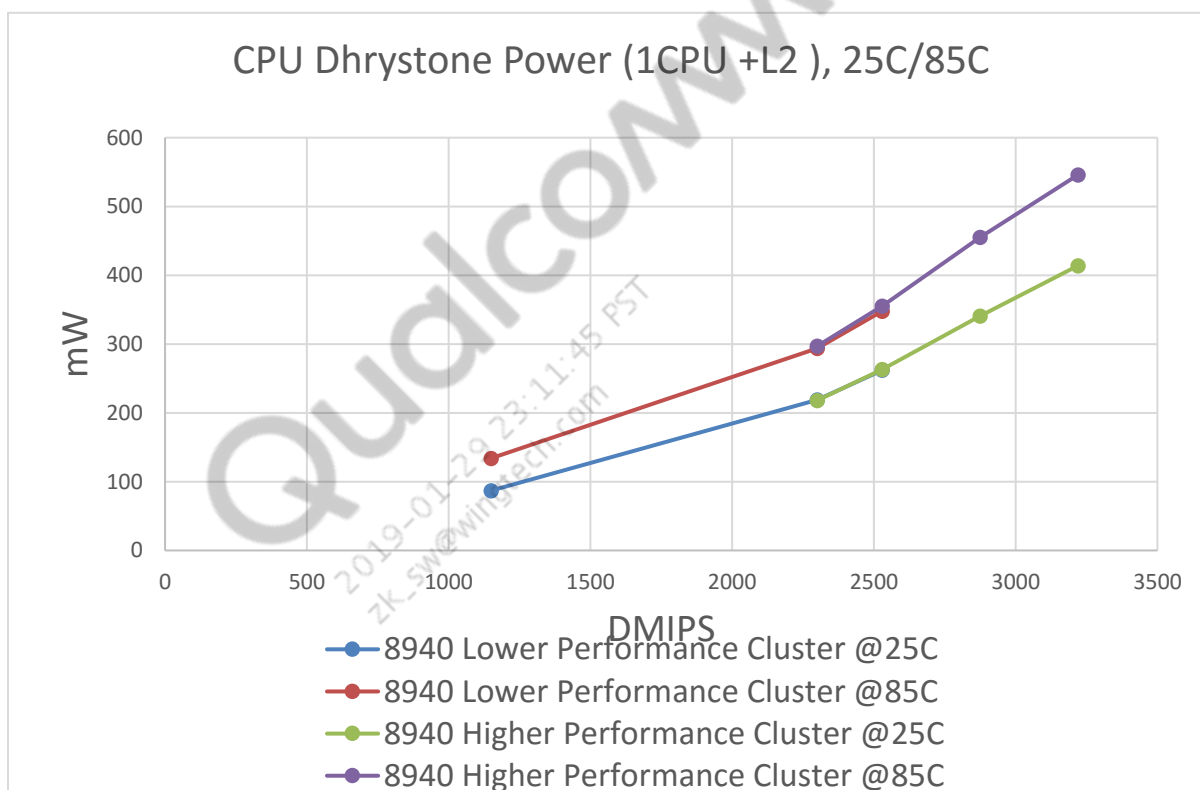


Figure 4-1 Octa-core Dhrystone power

A References

A.1 Related documents

Title	Number
Qualcomm Technologies, Inc.	
<i>MSM8940 Device Specification (Advance Information)</i>	<i>80-P4978-1</i>
<i>Configuration of Input Pins During Device Sleep</i>	<i>80-VN499-7</i>
<i>30 fps at HD 1080p H.264 20 Mbps AAC+ 96 kbps 44 kHz Stereo (Qtc88) Clip for Multimedia Power Measurement</i>	<i>MH80-VR010-8</i>
<i>MP3 at 44.1 kHz 128 kbps Stereo Clip for Power Measurements</i>	<i>MH80-VR010-5</i>
<i>30 fps at HD 720p H.264 10 Mbps AAC+ 96 kbps 44.1 kHz Stereo (Qtc77) Clip for Multimedia Power Measurement</i>	<i>MH80-VR010-7</i>
<i>Video: 720p 1280x720 30 fps H.264 HP 2.13 Mbps, AAC+ Stereo 44.1 kHz 128 Kbps (YouTube720p)</i>	<i>MH80-VR010-11</i>
<i>EXE, PowerLift 3D Linux Android Graphics Tool Release 5.2.00</i>	<i>HK11-NC876-1</i>
<i>EXE, iBench V.4.6.01 for Linux Android-Enabled Devices</i>	<i>72-N7696-1</i>
<i>MSM8940 Baseband Reference Schematic</i>	<i>80-P4978-41</i>
<i>PM8940 Power Management IC Device Specification</i>	<i>80-P2564-1</i>

A.2 Acronyms and terms

Acronym or term	Definition
BT	Bluetooth
DoU	Days of Use (DoU)
FC	Feature Complete
GNSS	Global Navigation Satellite System
RCM	Resistive Current Measurement