

Texas Instruments  
amsdk\_android

---



AM335x\_JB\_4.1

Test Report

Project: amsdk\_android

Author: gt\_amsdk\_lead

Printed by TestLink on 01/11/2012

2009 (c) Testlink Community

# Table Of Contents

## Compliance

Google's Compliance Test Suite(CTS) Automated

Google's CTS Verifier

## Compatibility

## Reference Software

SDK's Calculator App

SDK's LunarLander App

SDK's ApiDemos App

Dalvik's Unit Tests

Apps for android Amazed App

Apps for android AndroidGlobalTime App

Apps for android AnyCut App

Apps for android Clickin2DaBeat App

Apps for android DivideAndConquer App

Apps for android HeightMapProfiler App

Apps for android LOLcat Builder App

Apps for android Panoramio App

Apps for android Photostream App

Apps for android Radar App

Apps for android RingsExtended App

Apps for android SpriteMethodTest App

Apps for android Translate App

Apps for android WebViewDemo App

Apps for android WikiNotes App

Replica Island

Development Tools

ADB USB

ADB Ethernet

DDMS

Multimedia

Audio

Encode

Audio-In

Decode

AAC LC/LTP

HE-AACv1 (AAC+)

HE-AACv2(enhanced AAC+)

AMR-NB

AMR WB

MP3

MIDI

Ogg Vorbis

PCM

Image

Decode

JPEG

PNG

GIF

BMP

Video

Decode

H.263

H.264

MPEG4 SP

MPEG4 352x288 15mbps aac

H.264 704x576 4mbps aac

H.264 640x360 4mbps aac

H.264 352x288 4mbps aac

H.263 352x288 4mbps aac

MPEG4 176x144 15mbps aac

MPEG4 640x360 15mbps aac

MPEG4 704x576 15mbps aac

MPEG4 720x480 15mbps aac

H.264 720x480 4mbps aac

MPEG4 BigBuckBunny

Performance

System

Boot time

Quadrant Benchmark

0xBench

0xBench Math Linpack test

0xBench Math Scimark2 test

0xBench 2D Draw Canvas test

0xBench 2D Draw Circle test

0xBench 2D Draw Circle2 test

0xBench 2D Draw Rect test

Table Of Contents

0xBench 2D Draw Arc test

0xBench 2D Draw Image test

0xBench 2D Draw Text test

0xBench 3D OpenGL Cube test

0xBench 3D OpenGL Blending test

0xBench 3D OpenGL Fog test

0xBench 3D OpenGL Flying Teapot test

0xBench VM Garbage Collection test

Browser

Acid3 tests

Sunspider test

Kraken test

V8 Browser performance test

RowboPerf

Dhrystone

Whetstone

Linpack

adb

adb USB Performance

adb ethernet Performance

Storage

USB

USB vfat partition write/read test with a block size of 512 bytes and a file of size 104857600 bytes

USB vfat partition write/read test with a block size of 4096 bytes and a file of

USB vfat partition write/read test with a block size of 16384 bytes and a file o

USB vfat partition write/read test with a block size of 65536 bytes and a file o

USB vfat partition write/read test with a block size of 524288 bytes and a file

USB vfat partition write/read test with a block size of 1048576 bytes and a file

USB vfat partition write/read test with a block size of 102400 bytes and a file

USB vfat partition write/read test with a block size of 262144 bytes and a file

USB vfat partition write/read test with a block size of 5242880 bytes and a file

MMC/SD

MMC/SD vfat partition write/read test with a block size of 512 bytes and a file

MMC/SD vfat partition write/read test with a block size of 4096 bytes and a file

MMC/SD vfat partition write/read test with a block size of 16384 bytes and a file

MMC/SD vfat partition write/read test with a block size of 65536 bytes and a file

MMC/SD vfat partition write/read test with a block size of 524288 bytes and a file

MMC/SD vfat partition write/read test with a block size of 1048576 bytes and a file

MMC/SD vfat partition write/read test with a block size of 5242880 bytes and a file

MMC/SD vfat partition write/read test with a block size of 102400 bytes and a file

MMC/SD vfat partition write/read test with a block size of 262144 bytes and a file

Power

DVFS-Conservative

Idle power performance with FULL\_WAKE\_LOCK

Idle power performance with SCREEN\_BRIGHT\_WAKE\_LOCK

Idle power performance with SCREEN\_DIM\_WAKE\_LOCK

Idle power performance with PARTIAL\_WAKE\_LOCK

Dhrystone power performance with PARTIAL\_WAKE\_LOCK

3D Graphics power performance

Audio + Video power performance

Idle power performance with all governor 500KHz

Idle power performance with all governor 275KHz

DVFS-Performance

Idle power performance with FULL WAKE LOCK

Idle power performance with SCREEN BRIGHT WAKE LOCK

Idle power performance with SCREEN DIM WAKE LOCK

Idle power performance with PARTIAL WAKE LOCK

Dhrystone power performance with PARTIAL WAKE LOCK

3D Graphics power performance

Audio + Video power performance

DVFS-Powersave

Idle power performance with FULL WAKE LOCK

Idle power performance with SCREEN BRIGHT WAKE LOCK

Idle power performance with SCREEN DIM WAKE LOCK

Idle power performance with PARTIAL WAKE LOCK

Dhrystone power performance with PARTIAL WAKE LOCK

3D Graphics power performance

Audio + Video power performance

DVFS-userspace

275KHz

Idle power performance with FULL WAKE LOCK

Idle power performance with SCREEN BRIGHT WAKE LOCK

Idle power performance with SCREEN DIM WAKE LOCK

Idle power performance with PARTIAL WAKE LOCK

Dhrystone power performance with PARTIAL WAKE LOCK

3D Graphics power performance

Audio + Video power performance

500KHz

Idle power performance with FULL WAKE LOCK

Idle power performance with SCREEN BRIGHT WAKE LOCK

Idle power performance with SCREEN DIM WAKE LOCK

Idle power performance with PARTIAL WAKE LOCK

Dhrystone power performance with PARTIAL WAKE LOCK

3D Graphics power performance

Audio + Video power performance

720KHz

Idle power performance with FULL WAKE LOCK

Idle power performance with SCREEN BRIGHT WAKE LOCK

Idle power performance with SCREEN DIM WAKE LOCK

Idle power performance with PARTIAL WAKE LOCK

Dhrystone power performance with PARTIAL WAKE LOCK

3D Graphics power performance

Audio + Video power performance

600KHz

Idle power performance with FULL WAKE LOCK

Idle power performance with SCREEN BRIGHT WAKE LOCK

Idle power performance with SCREEN DIM WAKE LOCK

Idle power performance with PARTIAL WAKE LOCK

Dhrystone power performance with PARTIAL WAKE LOCK

3D Graphics power performance

Audio + Video power performance

DVFS-Ondemand(default)

Idle power performance with FULL WAKE LOCK

Idle power performance with SCREEN BRIGHT WAKE LOCK



Idle power performance with SCREEN DIM WAKE LOCK

Idle power performance with PARTIAL WAKE LOCK

Dhrystone power performance with PARTIAL WAKE LOCK

3D Graphics power performance

Audio + Video power performance

Suspend mode

SUSPEND MODE power consumption sleep while idle disabled and enable off mode disabled

SUSPEND MODE power consumption sleep while idle enabled and enable off mode enabled

WLAN

Non-secure

WLAN Non-secure, TCP Stream, Buffer size 1024

WLAN Non-secure, TCP Stream, Buffer size 4096

WLAN Non-secure, TCP Stream, Buffer size 8192

WLAN Non-secure, TCP Stream, Buffer size 16 KB

WLAN Non-secure, TCP Stream, Buffer size 32 KB

WLAN Non-secure, TCP Stream, Buffer size 64 KB

WLAN Non-secure, TCP Stream, Buffer size 128 KB

WEP 40 bits

WLAN WEP 40 bits, TCP Stream, Buffer size 1024

WLAN WEP 40 bits, TCP Stream, Buffer size 4096

WLAN WEP 40 bits, TCP Stream, Buffer size 8192

WLAN WEP 40 bits, TCP Stream, Buffer size 16 KB

WLAN WEP 40 bits, TCP Stream, Buffer size 32 KB

WLAN WEP 40 bits, TCP Stream, Buffer size 64 KB

WLAN WEP 40 bits, TCP Stream, Buffer size 128 KB

WEP 128 bits

WLAN WEP 128 bits, TCP Stream, Buffer size 1024

WLAN WEP 128 bits, TCP Stream, Buffer size 4096

WLAN WEP 128 bits, TCP Stream, Buffer size 8192

WLAN WEP 128 bits, TCP Stream, Buffer size 16 KB

WLAN WEP 128 bits, TCP Stream, Buffer size 32 KB

WLAN WEP 128 bits, TCP Stream, Buffer size 64 KB

WLAN WEP 128 bits, TCP Stream, Buffer size 128 KB

WPA-PSK

WLAN WPA-PSK, TCP Stream, Buffer size 1024

WLAN WPA-PSK, TCP Stream, Buffer size 4096

WLAN WPA-PSK, TCP Stream, Buffer size 8192

WLAN WPA-PSK, TCP Stream, Buffer size 16 KB

WLAN WPA-PSK, TCP Stream, Buffer size 32 KB

WLAN WPA-PSK, TCP Stream, Buffer size 64 KB

WLAN WPA-PSK, TCP Stream, Buffer size 128 KB

WPA2-PSK

WLAN WPA2-PSK, TCP Stream, Buffer size 1024

WLAN WPA2-PSK, TCP Stream, Buffer size 4096

WLAN WPA2-PSK, TCP Stream, Buffer size 8192

WLAN WPA2-PSK, TCP Stream, Buffer size 16 KB

WLAN WPA2-PSK, TCP Stream, Buffer size 32 KB

WLAN WPA2-PSK, TCP Stream, Buffer size 64 KB

WLAN WPA2-PSK, TCP Stream, Buffer size 128 KB

Imbench

LMBench test

Netperf

## TCP

TCP Stream, Buffer size 16 KB

TCP Stream, Buffer size 32 KB

TCP Stream, Buffer size 64 KB

TCP Stream, Buffer size 128 KB

TCP Stream, Buffer size 256

TCP Stream, Buffer size 512

TCP Stream, Buffer size 1024

TCP Stream, Buffer size 4096

TCP Stream, Buffer size 8192

## UDP

UDP Stream, Buffer size 16 KB

UDP Stream, Buffer size 32 KB

UDP Stream, Buffer size 64 KB

UDP Stream, Buffer size 128 KB

UDP Stream, Buffer size 256

UDP Stream, Buffer size 512

UDP Stream, Buffer size 1024

UDP Stream, Buffer size 4096

UDP Stream, Buffer size 8192

## Graphics

IMG's OGLES2ChameleonMan FPS performance

IMG's OGLES2Coverflow FPS performance

IMG's OGLES2Shaders FPS performance

IMG's OGLESVase FPS performance

## Stress

Table Of Contents

power long term

Long term Suspend Resume stress test

Long term graphic suspend resume

Long term ethernet suspend resume

Long term wlan suspend resume

Long term video suspend resume

Long term mmc suspend resume

Long term usb suspend resume

Monkey

Monkey System Stress

wireless

wifi data and Video/audio playing for long time

bluetooth

wifi open

wifi wpa-psk

wifi open and bluetooth

wifi wpa-psk and bluetooth

power

Short time Suspend Resume stress test

graphic suspend resume

ethernet suspend resume

wlan suspend resume

video suspend resume

mmc suspend resume

usb suspend resume

media

Table Of Contents

Android Music Play

Android Video play

Browser

Browser Stres test

Graphics

Graphics Stress Test

Graphics and Audio Stress Test

Graphics and Video Stress Test

Graphics and Audio and video Stress Test

LAN

LAN data and Video/audio playing for long time

2-hr Network Stream Test

5-min WLAN No Security Stream Test

5-min Network Stream Test

2-hr WLAN No Security Stream Test

Device IO

2-hr File copy Stress test between peripherals

wireless long term

Long term wifi wpa-psk and bluetooth

Long term wifi open and bluetooth

Long term bluetooth

Long term wifi open

Long term wifi wpa-psk

Long term wifi data and Video/audio playing for long time

graphics long term

Long term Graphics and Audio and video Stress Test

Table Of Contents

[Long term Graphics and Video Stress Test](#)

[Long term Graphics and Audio Stress Test](#)

[Long term Graphics Stress Test](#)

[Documentation](#)

[DevKit Users Guide](#)

[Release Notes](#)

[Porting Guide](#)

[CTS Report](#)

[DevKit Test Report](#)

[Eclipse Setup](#)

[ADB over Ethernet Setup](#)

[ADB over USB Setup](#)

[ADB .apk File Download](#)

[Eclipse APK File Download](#)

[DevKit Developers Guide](#)

[Document Format](#)

[Kitting](#)

[DevKit Content](#)

[Android Devkit apk file](#)

[Download Page](#)

[arowboat.org Download Link](#)

[Functionality](#)

[System](#)

[System boot](#)

[System boot w/ console](#)

[OOB Demos](#)

[Table Of Contents](#)

RootFS over NFS

Bluetooth

BT-Stream music to bluetooth stereo headset

Bluetooth Object push

BT-Verify that HID devices are working as expected

WLAN

Verify softAP functionality

Verify Wifi Direct functionality

Media/Picture Transfer Protocol (MTP, PTP)

Media Transfer Protocol

Picture Transfer Protocol

Graphics

3DAnimation

Miscellaneous

Music application lists songs.

Music application lists Songs from External Storage and Recorded

Camera will be part of Android DevKit core applications

Dev Tools will be part of Android DevKit core applications

ICONS for standard applications will be placed on main window

Security will be turned ON in Android Layer

Android DevKit should contain Sources for Linux Kernel

The DevKit installer should work on a ubuntu Linux host machine

Links to support infrastructure on e2e and rowboat to be provided

Email will be part of Android DevKit core applications

Links to raise defects against this release should be provided

Customers should be notified about devkit release through TI news, infolink, android porting mailing

Calendar will be part of Android DevKit core applications

Android home screen contains Launcher -

Android home screen contains Global Search Bar

Android Home Screen contains Tips widget to give important Tips

Additional Widgets can be added to Home Screen by a long press on

Multiple Home Screen (5 Screens)

Slidable Status bar

Wallpaper can be changed

Keypad contains HOME, BACK, POWER and MENU Keys.

Gallery will be part of Android DevKit core applications

Launcher will be part of Android DevKit core applications

Global Search will be part of Android DevKit core applications

Settings application helps to configure Sound, Display and various OOB settings

Control/informative

Hardware Volume Controls

IO

Android DevKit supports Touchscreen

Android DevKit supports Mouse

Processor Speed

Android DevKit supports Cortex A8 ARM up to Maximum Frequency

Android DevKit supports SGX up to Maximum Frequency

---

## 1 Test Suite : Compliance

**Test Case amsdkA-403: Google's Compliance Test Suite(CTS) Automated**



Summary:

This is to verify platform MUST pass the most recent version of the Android Compatibility Test Suite (CTS) available at the time of the device implementation's software is completed.

Last Result:	<b>Passed</b>
Build	2012-10-15-4.1.2
Tester	gt_amsdk_lead
Testing notes	Passed 17536, Failed 86, Not Executed 0

**Test Case amsdkA-1072: Google's CTS Verifier**

Summary:

This is to verify platform MUST pass the most recent version of the Android CTS Verifier available at the time of the device implementation's software is completed.

Last Result:	<b>Failed</b>
Build	2012-10-15-4.1.2
Tester	gt_amsdk_lead
Testing notes	Application starts and run but some tests fail

## 2 Test Suite : Compatibility

This test suite tries to validate system compatibility with Android per Google's Compatibility Definition Document (CDD) available at

<http://source.android.com/compatibility/android-2.1-cdd.pdf>

## 2.1 Test Suite : Reference Software

**Test Case amsdkA-9: SDK's Calculator App**

Summary:

Run Calculator app (from Google's SDK)

Last Result:	<b>Passed</b>
Build	2012-9-26
Tester	gt_amsdk_lead

### **Test Case amsdkA-10: SDK's LunarLander App**

Summary:

Run LunarLander app (from Google's SDK)

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

### **Test Case amsdkA-12: SDK's ApiDemos App**

Summary:

Run ApiDemos app (from Google's SDK)

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

### **Test Case amsdkA-13: Dalvik's Unit Tests**

Summary:

Run Dalvik VM unit tests (from /dalvik/tests/)

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes  
passed: 91 test(s)  
failed: 2 test(s)  
failed: 071-dexfile  
failed: 095-switch-MAX\_INT

### **Test Case amsdkA-384: Apps for android Amazed App**

Summary:

Run Amazed app (from <http://code.google.com/p/apps-for-android/>)

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

### **Test Case amsdkA-385: Apps for android AndroidGlobalTime App**

Summary:

Run AndroidGlobalTime app (from  
<http://code.google.com/p/apps-for-android/>)

Last Result: **Failed**

Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Does not compile

**Test Case amsdkA-386: Apps for android AnyCut App**

Summary:  
Run AnyCut app (from <http://code.google.com/p/apps-for-android/>)  
Last Result: **Failed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-387: Apps for android Clickin2DaBeat App**

Summary:  
Run Clickin2DaBeat app (from  
<http://code.google.com/p/apps-for-android/>)  
Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-388: Apps for android DivideAndConquer App**

Summary:  
Run DivideAndConquer app (from  
<http://code.google.com/p/apps-for-android/>)  
Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-389: Apps for android HeightMapProfiler App**

Summary:  
Run HeightMapProfiler app (from  
<http://code.google.com/p/apps-for-android/>)  
Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-390: Apps for android LOLcat Builder App**

Summary:

Run LOLcat Builder app (from  
<http://code.google.com/p/apps-for-android/>)

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-391: Apps for android Panoramio App**

Summary:

Run Panoramio app (from <http://code.google.com/p/apps-for-android/>)

Last Result: **Failed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes [INSTALL\_FAILED\_MISSING\_SHARED\_LIBRARY]

**Test Case amsdkA-392: Apps for android Photostream App**

Summary:

Run Photostream app (from  
<http://code.google.com/p/apps-for-android/>)

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-393: Apps for android Radar App**

Summary:

Run Radar app (from <http://code.google.com/p/apps-for-android/>)

Last Result: **Failed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes [INSTALL\_FAILED\_MISSING\_SHARED\_LIBRARY]

**Test Case amsdkA-394: Apps for android RingsExtended App**

Summary:

Run RingsExtended app (from  
<http://code.google.com/p/apps-for-android/>)

Last Result: **Passed**

Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-396: Apps for android SpriteMethodTest App**

Summary:  
Run SpriteMethodTest app (from  
<http://code.google.com/p/apps-for-android/>)  
Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-397: Apps for android Translate App**

Summary:  
Run Translate app (from <http://code.google.com/p/apps-for-android/>)  
Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-398: Apps for android WebViewDemo App**

Summary:  
Run WebViewDemo app (from  
<http://code.google.com/p/apps-for-android/>)  
Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-399: Apps for android WikiNotes App**

Summary:  
Run WikiNotes app (from <http://code.google.com/p/apps-for-android/>)  
Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-233: Replica Island**

Summary:

Run Replica Island Game

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

## 2.2 Test Suite : Development Tools

### Test Case amsdkA-14: ADB USB

Summary:

Use Android Debug Bridge (adb) tool to connect to the target via USB port and install an application (.apk)

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

### Test Case amsdkA-15: ADB Ethernet

Summary:

Use Android Debug Bridge (adb) tool to connect to the target via ethernet port and install an application (.apk)

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

### Test Case amsdkA-16: DDMS

Summary:

Use Dalvik Debug Monitor Service (DDMS) to watch processes running in the target, see process' threads, etc. Try to capture the device screen and to kill one process using DDMS.

Last Result: **Failed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Dump HPROF file feature caused the board to disconnect

## 2.3 Test Suite : Multimedia

## 2.3.1 Test Suite : Audio

### 2.3.1.1 Test Suite : Encode

#### Test Case amsdkA-1029: Audio-In

Summary:

Verify Audio in functionality on the board.

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

### 2.3.1.2 Test Suite : Decode

#### Test Case amsdkA-28: AAC LC/LTP

Summary:

Mono/Stereo content in any combination of standard bit rates up to 160 kbps and sampling rates between 8 to 48kHz. File Fortmat is 3GPP (.3gp) and MPEG-4 (.mp4, .m4a). No support for raw AAC (.aac)

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

#### Test Case amsdkA-29: HE-AACv1 (AAC+)

Summary:

Mono/Stereo content in any combination of standard bit rates up to 160 kbps and sampling rates between 8 to 48kHz. File Fortmat is 3GPP (.3gp) and MPEG-4 (.mp4, .m4a). No support for raw AAC (.aac)

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-30: HE-AACv2(enhanced AAC+)**

Summary:

Mono/Stereo content in any combination of standard bit rates up to 160 kbps and sampling rates between 8 to 48kHz. File Fortmat is 3GPP (.3gp) and MPEG-4 (.mp4, .m4a). No support for raw AAC (.aac)

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-31: AMR-NB**

Summary:

4.75 to 12.2 kbps, sampled @ 8kHz, in a 3GPP (.3gp) container

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-32: AMR WB**

Summary:

9 rates from 6.60 kbit/s to 23.85 kbit/s sampled @ 16kHz using 3GPP (.3gp) file format

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-33: MP3**

Summary:

Mono/Stereo 8-320Kbps constant (CBR) or variable bit-rate (VBR) in a MP3 (.mp3) container

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead



### Test Case amsdkA-34: MIDI

Summary:

MIDI Type 0 and 1. DLS Version 1 and 2. XMF and Mobile XMF. Support for ringtone formats RTTTL/RTX, OTA and iMelody. File formats: Type 0 and 1 (.mid, .xmf, .mxmf). Also RTTTL/RTX (.rtttl, .rtx), OTA (.ota), and iMelody (.imy)

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

### Test Case amsdkA-35: Ogg Vorbis

Summary:

Ogg Vorbis files in a Ogg (.ogg) container

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

### Test Case amsdkA-36: PCM

Summary:

8- and 16-bit linear PCM (rates up to limit of hardware) in a Wave (.wav) container

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## 2.3.2 Test Suite : Image

### 2.3.2.1 Test Suite : Decode

#### Test Case amsdkA-39: JPEG

Summary:

Display JPEG files using the Gallery app.

Last Result: **Passed**

Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-40: PNG**

Summary:

Display PNG image with Galllery app.

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-41: GIF**

Summary:

Display GIF image with Gallery app.

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-42: BMP**

Summary:

Display BMP Image with Gallery app.

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

## **2.3.3 Test Suite : Video**

### **2.3.3.1 Test Suite : Decode**

#### **Test Case amsdkA-44: H.263**

Summary:

H.263 files in 3GPP (.3gp) container

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-45: H.264**

Summary:

H.264 files in 3GPP (.3gp) and MPEG-4 (.mp4) container

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-46: MPEG4 SP**

Summary:

MPEG4 Simple Profile files in 3GPP (.3gp) container

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-772: MPEG4\_352x288\_15mbps\_aac**

Summary:

H.264 files in 3GPP (.3gp) container

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-774: H.264\_704x576\_4mbps\_aac**

Summary:

H.264 files in mpeg4 (.mp4) container

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-775: H.264\_640x360\_4mbps\_aac**

Summary:

H.263 files in 3GPP (.3gp) container

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-776: H.264\_352x288\_4mbps\_aac**

Summary:

H.264 files in 3GPP(.3gp) container

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-777: H.263\_352x288\_4mbps\_aac**

Summary:

H.263 files in 3GPP (.3gp) container

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-779: MPEG4\_176x144\_15mbps\_aac**

Summary:

H.264 files in 3GPP (.3gp) container

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-780: MPEG4\_640x360\_15mbps\_aac**

Summary:

MPEG4 files in 3GPP (.3gp) container

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-781: MPEG4\_704x576\_15mbps\_aac**

Summary:

H.263 files in 3GPP (.3gp) container

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-782: MPEG4\_720x480\_15mbps\_aac**

Summary:

MPEG4 files in 3GPP (.3gp) container

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-784: H.264\_720x480\_4mbps\_aac**

Summary:

H.264 files in mpeg4 (.mp4) container

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-787: MPEG4\_BigBuckBunny**

Summary:

MPEG4 files in 3GPP (.3gp) container

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

## 3 Test Suite : Performance

This test suite tries to measure key performance metrics in different areas:

1. System
2. Graphics
3. Browser

## 3.1 Test Suite : System

### Test Case amsdkA-117: Boot time

Summary:

Measure the time it takes since kernel image starts being downloaded until Android home screen appears.

Last Result:	<b>Passed</b>
Build	2012-9-26
Tester	gt_amsdk_lead
Testing notes	First boot: 87.4 sec
	Others: 34.8 sec

### Test Case amsdkA-593: Quadrant Benchmark

Summary:

Install and run aurorasoftworks Quadrant benchamrk

Last Result:	<b>Passed</b>
Build	2012-9-26
Tester	gt_amsdk_lead

## 3.2 Test Suite : 0xBench

### Test Case amsdkA-89: 0xBench Math Linpack test

Summary:

0xBench Math Linpack test.

Last Result:	<b>Passed</b>
Build	2012-10-15-4.1.2
Tester	gt_amsdk_lead

**Test Case amsdkA-90: 0xBench Math Scimark2 test**

Summary:

0xBench Math Scimark2 test.

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

Testing notes MathScimark2 performance data collected successfully Performance data was NOT compared

LOG PATH

**Test Case amsdkA-91: 0xBench 2D Draw Canvas test**

Summary:

0xBench 2D Draw Canvas test.

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-92: 0xBench 2D Draw Circle test**

Summary:

0xBench 2D Draw Circle test.

Last Result: **Failed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

Testing notes 2DDrawCircle performance data collected successfully, drawcircle out of expected range: max-> 23.0149593353271 > 27.1016453681592 + 3.39761387524061 || min-> 22.8728275299072 < 27.1016453681592 - 3.39761387524061, cpu\_load out of expected range: max-> 95.049504950495 > 97.7769132537175 + 6.73545104345654 || min-> 87.8048780487805 < 97.7769132537175 - 6.73545104345654

LOG PATH

**Test Case amsdkA-93: 0xBench 2D Draw Circle2 test**

Summary:

0xBench 2D Draw Circle2 test.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

#### Test Case amsdkA-94: 0xBench 2D Draw Rect test

Summary:

0xBench 2D Draw Rect test.

Last Result: **Failed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes 2DDrawRect performance data collected successfully, drawrect out of expected range: max-> 20.8724689483643 > 22.5539637447917 + 3.24272564925128 || min-> 18.7640724182129 < 22.5539637447917 - 3.24272564925128, cpu\_load out of expected range: max-> 99.5169082125604 > 89.942850865954 + 17.4871753341764 || min-> 54.6341463414634 < 89.942850865954 - 17.4871753341764

#### LOG PATH

#### Test Case amsdkA-95: 0xBench 2D Draw Arc test

Summary:

0xBench 2D Draw Arc test.

Last Result: **Failed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes 2DDrawArc performance data collected successfully, drawarc out of expected range: max-> 32.7847328186035 > 35.5362747538462 + 2.59092710276901 || min-> 32.2497444152832 < 35.5362747538462 - 2.59092710276901, cpu\_load out of expected range: max-> 99.0291262135922 > 85.0471676734007 + 11.2803740679087 || min-> 64.1791044776119 < 85.0471676734007 - 11.2803740679087

#### LOG PATH

#### Test Case amsdkA-96: 0xBench 2D Draw Image test

Summary:

0xBench 2D Draw Image test.



Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-97: 0xBench 2D Draw Text test**

Summary:

0xBench2D Draw Text test.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-98: 0xBench 3D OpenGL Cube test**

Summary:

0xBench 3D OpenGL Cube test.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-99: 0xBench 3D OpenGL Blending test**

Summary:

0xBench 3D OpenGL Blending test.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-100: 0xBench 3D OpenGL Fog test**

Summary:

0xBench 3D OpenGL Fog test.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-101: 0xBench 3D OpenGL Flying Teapot test**

Summary:

0xBench 3D OpenGL Flying Teapot test.

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-102: 0xBench VM Garbage Collection test**

Summary:

0xBench VM Garbage Collection test.

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

## 3.3 Test Suite : Browser

Measure browser performance using publicly available tools.

**Test Case amsdkA-262: Acid3 tests**

Summary:

Measure Browser functionality and performance by running  
<http://acid3.acidtests.org/> tests

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

Testing notes Test case PASS.

LOG PATH

**Test Case amsdkA-115: Sunspider test**

Summary:

Measure Javascript performance by running  
<http://www2.webkit.org/perf/sunspider/sunspider.html> tests

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Test case PASS.Performance data was NOT compared

LOG PATH

**Test Case amsdkA-263: Kraken test**

Summary:

Measure Browser Javascript performance by running  
<http://krakenbenchmark.mozilla.org/index.html> tests

Last Result: **Failed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-264: V8 Browser performance test**

Summary:

Measure Javascript performance by running  
<http://v8.googlecode.com/svn/data/benchmarks/v6/run.html> tests

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## 3.4 Test Suite : RowboPerf

Various Performance metrics

**Test Case amsdkA-118: Dhrystone**

Summary:

Measure Dhrystone bechmark

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Test case PASSED.

LOG PATH

#### Test Case amsdkA-119: Whetstone

Summary:

Measure Whetstone metric

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Test case PASSED.

LOG PATH

#### Test Case amsdkA-120: Linpack

Summary:

Measure Linpack metrics

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Test case PASSED.

LOG PATH

## 3.5 Test Suite : adb

Android Debug Bridge performance.

Before running each automated test case, the user MUST set enable in the target and in the host PC, the desire adb connection type (i.e. usb or ethernet).

The test cases do not take care of setting the adb type but instead will use the default adb connectivity available.

### **Test Case amsdkA-121: adb USB Performance**

Summary:

Measure Android Debug bridge performance using USB connection

Last Result:	<b>Passed</b>
Build	2012-9-26
Tester	gt_amsdk_lead
Testing notes	Mean-TX=3279.7 Mean-RX=5406.5

LOG PATH

### **Test Case amsdkA-122: adb ethernet Performance**

Summary:

Measure Android Debug bridge performance using ethernet connection

Last Result:	<b>Passed</b>
Build	2012-9-26
Tester	gt_amsdk_lead

## **3.6 Test Suite : Storage**

Read and Write performance tests

### **3.6.1 Test Suite : USB**

#### **Test Case amsdkA-265: USB vfat partition write/read test with a block size of 512 bytes and a file of size 104857600 bytes**

Summary:

USB vfat partition write/read test with a block size of 512 bytes and a file of size 104857600 bytes

Last Result:	<b>Passed</b>
Build	2012-10-15-4.1.2
Tester	gt_amsdk_lead

#### **Test Case amsdkA-266: USB vfat partition write/read test with a block size of 4096 bytes and a file of**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (101 chars) > 100 => has been truncated

Original name

USB vfat partition write/read test with a block size of 4096 bytes  
and a file of size 104857600 bytes

---- \*\*\* ----

USB vfat partition write/read test with a block size of 4096 bytes  
and a file of size 104857600 bytes

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-267: USB vfat partition write/read test with  
a block size of 16384 bytes and a file o**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (102 chars) > 100 => has been truncated

Original name

USB vfat partition write/read test with a block size of 16384 bytes  
and a file of size 104857600 bytes

---- \*\*\* ----

USB vfat partition write/read test with a block size of 16384 bytes  
and a file of size 104857600 bytes

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-268: USB vfat partition write/read test with  
a block size of 65536 bytes and a file o**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (102 chars) > 100 => has been truncated

Original name

USB vfat partition write/read test with a block size of 65536 bytes  
and a file of size 104857600 bytes

---- \*\*\* ----

USB vfat partition write/read test with a block size of 65536 bytes  
and a file of size 104857600 bytes

Last Result:       **Passed**  
Build               2012-10-15-4.1.2  
Tester              gt\_amsdk\_lead

**Test Case amsdkA-269: USB vfat partition write/read test with  
a block size of 524288 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (103 chars) > 100 => has been truncated

Original name

USB vfat partition write/read test with a block size of 524288 bytes  
and a file of size 104857600 bytes

---- \*\*\* ----

USB vfat partition write/read test with a block size of 524288 bytes  
and a file of size 104857600 bytes

Last Result:       **Passed**  
Build               2012-10-15-4.1.2  
Tester              gt\_amsdk\_lead

**Test Case amsdkA-270: USB vfat partition write/read test with  
a block size of 1048576 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (104 chars) > 100 => has been truncated

Original name

USB vfat partition write/read test with a block size of 1048576  
bytes and a file of size 104857600 bytes

---- \*\*\* ----

USB vfat partition write/read test with a block size of 1048576  
bytes and a file of size 104857600 bytes

Last Result:       **Passed**  
Build               2012-10-15-4.1.2  
Tester              gt\_amsdk\_lead

**Test Case amsdkA-888: USB vfat partition write/read test with**

**a block size of 102400 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (104 chars) > 100 => has been truncated

Original name

USB vfat partition write/read test with a block size of 102400 bytes  
and a file of size 104857600 bytes

---- \*\*\* ----

USB vfat partition write/read test with a block size of 102400 bytes  
and a file of size 104857600 bytes

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-889: USB vfat partition write/read test with  
a block size of 262144 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (104 chars) > 100 => has been truncated

Original name

USB vfat partition write/read test with a block size of 262144 bytes  
and a file of size 104857600 bytes

---- \*\*\* ----

USB vfat partition write/read test with a block size of 262144 bytes  
and a file of size 104857600 bytes

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-890: USB vfat partition write/read test with  
a block size of 5242880 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (104 chars) > 100 => has been truncated

Original name

USB vfat partition write/read test with a block size of 5242880  
bytes and a file of size 104857600 bytes

---- \*\*\* ----



USB vfat partition write/read test with a block size of 5242880 bytes and a file of size 104857600 bytes

Last Result:       **Passed**  
Build               2012-10-15-4.1.2  
Tester              gt\_amsdk\_lead

## 3.6.2 Test Suite : MMC/SD

### Test Case amsdkA-277: MMC/SD vfat partition write/read test with a block size of 512 bytes and a file

Summary:

---- Warning ----

TestLink Warning

test case name is too long (103 chars) > 100 => has been truncated

Original name

MMC/SD vfat partition write/read test with a block size of 512 bytes and a file of size 104857600 bytes

---- \*\*\* ----

MMC/SD vfat partition write/read test with a block size of 512 bytes and a file of size 104857600 bytes

Last Result:       **Passed**  
Build               2012-10-15-4.1.2  
Tester              gt\_amsdk\_lead

### Test Case amsdkA-278: MMC/SD vfat partition write/read test with a block size of 4096 bytes and a file

Summary:

---- Warning ----

TestLink Warning

test case name is too long (104 chars) > 100 => has been truncated

Original name

MMC/SD vfat partition write/read test with a block size of 4096 bytes and a file of size 104857600 bytes

---- \*\*\* ----

MMC/SD vfat partition write/read test with a block size of 4096 bytes and a file of size 104857600 bytes

Last Result:       **Passed**  
Build               2012-10-15-4.1.2  
Tester              gt\_amsdk\_lead

**Test Case amsdkA-279: MMC/SD vfat partition write/read test  
with a block size of 16384 bytes and a fil**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (105 chars) > 100 => has been truncated

Original name

MMC/SD vfat partition write/read test with a block size of 16384  
bytes and a file of size 104857600 bytes

---- \*\*\* ----

MMC/SD vfat partition write/read test with a block size of 16384  
bytes and a file of size 104857600 bytes

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-280: MMC/SD vfat partition write/read test  
with a block size of 65536 bytes and a fil**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (105 chars) > 100 => has been truncated

Original name

MMC/SD vfat partition write/read test with a block size of 65536  
bytes and a file of size 104857600 bytes

---- \*\*\* ----

MMC/SD vfat partition write/read test with a block size of 65536  
bytes and a file of size 104857600 bytes

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-281: MMC/SD vfat partition write/read test  
with a block size of 524288 bytes and a fi**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (106 chars) > 100 => has been truncated

Original name

MMC/SD vfat partition write/read test with a block size of 524288

bytes and a file of size 104857600 bytes

---- \*\*\* ----

MMC/SD vfat partition write/read test with a block size of 524288 bytes and a file of size 104857600 bytes

Last Result:       **Passed**  
Build               2012-10-15-4.1.2  
Tester              gt\_amsdk\_lead

**Test Case amsdkA-282: MMC/SD vfat partition write/read test with a block size of 1048576 bytes and a f**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (107 chars) > 100 => has been truncated

Original name

MMC/SD vfat partition write/read test with a block size of 1048576 bytes and a file of size 104857600 bytes

---- \*\*\* ----

MMC/SD vfat partition write/read test with a block size of 1048576 bytes and a file of size 104857600 bytes

Last Result:       **Passed**  
Build               2012-10-15-4.1.2  
Tester              gt\_amsdk\_lead

**Test Case amsdkA-891: MMC/SD vfat partition write/read test with a block size of 5242880 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (103 chars) > 100 => has been truncated

Original name

MMC/SD vfat partition write/read test with a block size of 5242880 bytes and a file of size 104857600 bytes

---- \*\*\* ----

MMC/SD vfat partition write/read test with a block size of 5242880 bytes and a file of size 104857600 bytes

Last Result:       **Passed**  
Build               2012-10-15-4.1.2  
Tester              gt\_amsdk\_lead

**Test Case amsdkA-892: MMC/SD vfat partition write/read test  
with a block size of 102400 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (103 chars) > 100 => has been truncated

Original name

MMC/SD vfat partition write/read test with a block size of 102400  
bytes and a file of size 104857600 bytes

---- \*\*\* ----

MMC/SD vfat partition write/read test with a block size of 102400  
bytes and a file of size 104857600 bytes

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-893: MMC/SD vfat partition write/read test  
with a block size of 262144 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

test case name is too long (103 chars) > 100 => has been truncated

Original name

MMC/SD vfat partition write/read test with a block size of 262144  
bytes and a file of size 104857600 bytes

---- \*\*\* ----

MMC/SD vfat partition write/read test with a block size of 262144  
bytes and a file of size 104857600 bytes

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

## 3.7 Test Suite : Power

This Test Suite Measure power consumption under different scenarios.

It is required to have a Keithley 2000 Multimeter with a scan card with at least 5 channels.

The channels must be connected as described in the attached document.

See test cases for more details.

## 3.7.1 Test Suite : DVFS-Conservative

### Test Case amsdkA-1518: Idle power performance with FULL\_WAKE\_LOCK

Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Power Performance data collectedPerformance data was NOT compared

LOG PATH

### Test Case amsdkA-1519: Idle power performance with SCREEN\_BRIGHT\_WAKE\_LOCK

Summary:

Acquire SCREEN\_BRIGHT WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Power Performance data collectedPerformance data was NOT compared

LOG PATH

### Test Case amsdkA-1520: Idle power performance with SCREEN\_DIM\_WAKE\_LOCK

Summary:

Acquire SCREEN\_DIM WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Power Performance data collectedPerformance data was NOT compared

LOG PATH

### Test Case amsdkA-1521: Idle power performance with PARTIAL\_WAKE\_LOCK

Summary:

Acquire PARTIAL WakeLock and measure power w/out running any other application

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collectedPerformance data was NOT compared

LOG PATH

**Test Case amsdkA-1522: Dhrystone power performance with PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power while running Dhrystone benchmark

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collectedPerformance data was NOT compared

LOG PATH

**Test Case amsdkA-1523: 3D Graphics power performance**

Summary:

Measure power while running 3D graphics application

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collectedPerformance data was NOT compared

LOG PATH

**Test Case amsdkA-1524: Audio + Video power performance**

Summary:

Measure power while running video and audio decode and playback

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collectedPerformance data was NOT compared

LOG PATH

**Test Case amsdkA-1064: Idle power performance with all governor 500KHz**

Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected Performance data was NOT compared

LOG PATH

**Test Case amsdkA-1066: Idle power performance with all governor 275KHz**

Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected Performance data was NOT compared

LOG PATH

## 3.7.2 Test Suite : DVFS-Performance

**Test Case amsdkA-315: Idle power performance with  
FULL\_WAKE\_LOCK**

Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

**Test Case amsdkA-316: Idle power performance with  
SCREEN\_BRIGHT\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_BRIGHT WakeLock and measure power w/out  
running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-317: Idle power performance with  
SCREEN\_DIM\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_DIM WakeLock and measure power w/out  
running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-318: Idle power performance with  
PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power w/out running  
any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-319: Dhrystone power performance with  
PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power while running  
Dhrystone benchmark

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead



**Test Case amsdkA-320: 3D Graphics power performance**

Summary:

Measure power while running 3D graphics application

Last Result: **Passed**  
 Build 2012-9-26  
 Tester gt\_amsdk\_lead

**Test Case amsdkA-321: Audio + Video power performance**

Summary:

Measure power while running video and audio decode and playback

Last Result: **Passed**  
 Build 2012-9-26  
 Tester gt\_amsdk\_lead

### 3.7.3 Test Suite : DVFS-Powersave

**Test Case amsdkA-322: Idle power performance with FULL\_WAKE\_LOCK**

Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result: **Failed**  
 Build 2012-9-26  
 Tester gt\_amsdk\_lead  
 Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 181.301405619823 > 197.484613106667 + 0.2088273029725 || min-> 180.277986307202 < 197.484613106667 - 0.2088273029725, VDD\_MPU\_Power out of expected range: max-> 62.1498626169186 > 43.8705998666667 + 0.265318332594619 || min-> 55.3049143852382 < 43.8705998666667 - 0.265318332594619, VDDS\_RTC\_Power out of expected range: max-> 0.798012397882885 > 0.820710286666667 + 0.000243077688951461 || min-> 0.797087547137457 < 0.820710286666667 - 0.000243077688951461, VDDS\_DDR\_Power out of expected range: max-> 48.6085026228613 > 74.00533438 + 0.520319956151555 || min-> 47.9123049152356 < 74.00533438 - 0.520319956151555, VDDS\_Power out of expected range: max-> 3.38495749843519 > 1.67099687333333 + 0.163669629521614 || min-> 3.20325206950226 < 1.67099687333333 - 0.163669629521614, VDDS\_SRAM\_CORE\_BG\_Power out of expected

## testreport AM335x\_JB\_4.1

range: max-> 2.21750334340901 > 2.27814634666667 +  
0.0149577650140249 || min-> 2.14246318399913 < 2.27814634666667 -  
0.0149577650140249, VDDS\_SRAM\_MPU\_BB\_Power out of expected  
range: max-> 2.13105328716056 > 1.67909942666667 +  
0.0784672934537122 || min-> 2.02617272228786 < 1.67909942666667 -  
0.0784672934537122, VDDS\_PLL\_DDR\_Power out of expected range:  
max-> 1.87022498129018 > 1.83870526666667 + 0.000387296942860266 ||  
min-> 1.86850006774119 < 1.83870526666667 - 0.000387296942860266,  
VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max->  
14.5625005018626 > 14.2790037 + 0.0018047438361446 || min->  
14.555810387992 < 14.2790037 - 0.0018047438361446,  
VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91570586142039 >  
1.89713655333333 + 0.000461257240152621 || min-> 1.91394867197533 <  
1.89713655333333 - 0.000461257240152621, VDDS\_OSC\_Power out of  
expected range: max-> 1.24801749328471 > 1.17984369333333 +  
0.000356109042795055 || min-> 1.24645230977102 < 1.17984369333333 -  
0.000356109042795055, VDDA\_1P8V\_USB0\_1\_Power out of expected  
range: max-> 32.8271420547261 > 36.29836730666667 +  
0.0484704675124665 || min-> 32.6532698360251 < 36.29836730666667 -  
0.0484704675124665, VDDS\_A3P3V\_USB0\_1\_Power out of expected  
range: max-> 11.1246158579684 > 8.36656891333333 +  
0.00121723265017367 || min-> 11.1183138072426 < 8.36656891333333 -  
0.00121723265017367, VDDA\_ADC\_Power out of expected range: max->  
0.90247291339233 > 0.807998786666667 + 0.000442019307586758 || min->  
0.899872579145233 < 0.807998786666667 - 0.000442019307586758,  
VDDSHV1\_Power out of expected range: max-> 0.629342310861323 >  
0.303925613333333 + 0.00292436420391311 || min-> 0.6146228334046 <  
0.303925613333333 - 0.00292436420391311, VDDSHV2\_Power out of  
expected range: max-> 11.1155428588631 > 11.0806218466667 +  
7.50678249009056 || min-> 1.63897436784112 < 11.0806218466667 -  
7.50678249009056, VDDSHV3\_Power out of expected range: max->  
0.182413228479717 > 0.16365818 + 0.00307295833147458 || min->  
0.171039401610657 < 0.16365818 - 0.00307295833147458,  
VDDSHV4\_Power out of expected range: max-> 10.7641098685604 >  
0.0750182266666667 + 0.00340632078109414 || min-> 0.0771271925728096  
< 0.0750182266666667 - 0.00340632078109414, VDDSHV5\_Power out of  
expected range: max-> 57.8622153611931 > 13.4419151133333 +  
0.00626639655331022 || min-> 57.8409025706721 < 13.4419151133333 -  
0.00626639655331022, VDDSHV6\_Power out of expected range: max->  
40.6493505281234 > 28.9804078133333 + 0.353810977225999 || min->  
39.4092224586912 < 28.9804078133333 - 0.353810977225999, Total\_Power  
out of expected range: max-> 478.960452693653 > 444.509973365 +  
10.1559515866399 || min-> 456.506902971272 < 444.509973365 -  
10.1559515866399

### LOG PATH

**Test Case amsdkA-323: Idle power performance with SCREEN\_BRIGHT\_WAKE\_LOCK**

## Summary:

Acquire SCREEN\_BRIGHT WakeLock and measure power w/out running any other application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 180.722160321553 > 197.50913285906 + 0.141986415458912 || min-> 180.358669095477 < 197.50913285906 - 0.141986415458912, VDD\_MPU\_Power out of expected range: max-> 59.7817498702421 > 43.9718870604027 + 1.10128982957541 || min-> 55.516563181661 < 43.9718870604027 - 1.10128982957541, VDDS\_RTC\_Power out of expected range: max-> 0.797884117925783 > 0.820681342281879 + 0.000307893140661825 || min-> 0.796941664575265 < 0.820681342281879 - 0.000307893140661825, VDDS\_DDR\_Power out of expected range: max-> 57.9068759334788 > 73.9991896577181 + 0.71656213852549 || min-> 47.964535758719 < 73.9991896577181 - 0.71656213852549, VDDS\_Power out of expected range: max-> 3.38027379094037 > 1.66877248993289 + 0.167627082683239 || min-> 3.20122897863923 < 1.66877248993289 - 0.167627082683239, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.16943349376517 > 2.27667081208054 + 0.0147098054403564 || min-> 2.14978220177999 < 2.27667081208054 - 0.0147098054403564, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.06789110558832 > 1.68575853020134 + 0.0971021856629799 || min-> 2.03579644636675 < 1.68575853020134 - 0.0971021856629799, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.8694449678399 > 1.83860662416107 + 0.000415551262633199 || min-> 1.86836125363573 < 1.83860662416107 - 0.000415551262633199, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5589268774584 > 14.2787532684564 + 0.00217430232878395 || min-> 14.5560407126051 < 14.2787532684564 - 0.00217430232878395, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.9158054396831 > 1.89709723489933 + 0.000514119956724205 || min-> 1.91481076056653 < 1.89709723489933 - 0.000514119956724205, VDDS\_OSC\_Power out of expected range: max-> 1.24783290111029 > 1.17975632885906 + 0.000408300960972827 || min-> 1.24694421452726 < 1.17975632885906 - 0.000408300960972827, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.859798628746 > 36.2980347583893 + 0.041792855977652 || min-> 32.6819493561675 < 36.2980347583893 - 0.041792855977652, VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max-> 11.1241400469068 > 8.36658118791946 + 0.00128837544085013 || min-> 11.120318322451 < 8.36658118791946 - 0.00128837544085013, VDDA\_ADC\_Power out of expected range: max-> 0.902366728615768 > 0.808019241610738 + 0.000409950839961135 || min-> 0.900206816718377 < 0.808019241610738 - 0.000409950839961135, VDDSHV1\_Power out of expected range: max-> 0.627655142185858 > 0.30359577852349 + 0.00299197817673941 || min-> 0.61645117531981 < 0.30359577852349 - 0.00299197817673941, VDDSHV2\_Power out of expected range: max-> 10.7836959817021 > 10.8636808590604 + 7.60271255943251 || min-> 1.62172358026744 < 10.8636808590604 - 7.60271255943251,

VDDSHV3\_Power out of expected range: max-> 0.181653988778882 > 0.163432315436242 + 0.00299533691780718 || min-> 0.169823761072426 < 0.163432315436242 - 0.00299533691780718, VDDSHV5\_Power out of expected range: max-> 57.8637158943805 > 13.3967075369128 + 0.0610932159576424 || min-> 57.8462327670232 < 13.3967075369128 - 0.0610932159576424, VDDSHV6\_Power out of expected range: max-> 40.8334457457467 > 28.923068590604 + 0.405819076475142 || min-> 39.3310563541135 < 28.923068590604 - 0.405819076475142, Total\_Power out of expected range: max-> 467.979382410316 > 444.171215974619 + 10.1956507963902 || min-> 456.385867352328 < 444.171215974619 - 10.1956507963902

### LOG PATH

## **Test Case amsdkA-324: Idle power performance with SCREEN\_DIM\_WAKE\_LOCK**

### Summary:

Acquire SCREEN\_DIM WakeLock and measure power w/out running any other application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 180.757858243477 > 197.429165905405 + 0.142427988587932 || min-> 180.3849891855 < 197.429165905405 - 0.142427988587932, VDD\_MPU\_Power out of expected range: max-> 57.1466994302962 > 43.8943385945946 + 0.28868025737082 || min-> 55.6549531530312 < 43.8943385945946 - 0.28868025737082, VDDS\_RTC\_Power out of expected range: max-> 0.797900208618581 > 0.820640533783784 + 0.000259749196700087 || min-> 0.796936771984241 < 0.820640533783784 - 0.000259749196700087, VDDS\_DDR\_Power out of expected range: max-> 48.6759479445152 > 73.9583934864865 + 0.539327856498173 || min-> 47.9532673296536 < 73.9583934864865 - 0.539327856498173, VDDS\_Power out of expected range: max-> 3.38943879711085 > 1.66096946621622 + 0.169066725547034 || min-> 3.19319108030395 < 1.66096946621622 - 0.169066725547034, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.15352721546803 > 2.26414002027027 + 0.0105917932420326 || min-> 2.13838718558978 < 2.26414002027027 - 0.0105917932420326, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.19264712621907 > 1.66336232432432 + 0.0122505439891389 || min-> 2.01282086032895 < 1.66336232432432 - 0.0122505439891389, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86942789991038 > 1.83850525675676 + 0.000222690877301089 || min-> 1.8684860810773 < 1.83850525675676 - 0.000222690877301089, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5596143981981 > 14.2788874594595 + 0.00126214783653957 || min-> 14.5556506257493 < 14.2788874594595 - 0.00126214783653957, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91571073451035 >

## testreport AM335x\_JB\_4.1

1.89709202027027 + 0.000414538314859676 || min-> 1.91454690006328 <  
1.89709202027027 - 0.000414538314859676, VDDS\_OSC\_Power out of  
expected range: max-> 1.24851198122757 > 1.18008407432432 +  
0.000470011312479446 || min-> 1.24699692366548 < 1.18008407432432 -  
0.000470011312479446, VDDA\_1P8V\_USB0\_1\_Power out of expected  
range: max-> 32.9454163149511 > 36.2976678918919 +  
0.0423915397339545 || min-> 32.7312591312447 < 36.2976678918919 -  
0.0423915397339545, VDDS\_A3P3V\_USB0\_1\_Power out of expected  
range: max-> 11.125732990856 > 8.36762434459459 +  
0.00133122286835912 || min-> 11.1205318960915 < 8.36762434459459 -  
0.00133122286835912, VDDA\_ADC\_Power out of expected range: max->  
0.902329520660705 > 0.808315641891892 + 0.00039395767090665 || min->  
0.900832330141546 < 0.808315641891892 - 0.00039395767090665,  
VDDSHV1\_Power out of expected range: max-> 0.627873028146582 >  
0.304458594594595 + 0.0030312412621973 || min-> 0.616502750031233 <  
0.304458594594595 - 0.0030312412621973, VDDSHV2\_Power out of  
expected range: max-> 11.1516113970975 > 10.7886801013514 +  
7.65146228533079 || min-> 1.50935369406062 < 10.7886801013514 -  
7.65146228533079, VDDSHV3\_Power out of expected range: max->  
0.180245101381934 > 0.163586614864865 + 0.00326189782833571 || min->  
0.169470338639305 < 0.163586614864865 - 0.00326189782833571,  
VDDSHV5\_Power out of expected range: max-> 57.8633673472916 >  
13.4372333243243 + 0.00784890253731955 || min-> 57.8383942542249 <  
13.4372333243243 - 0.00784890253731955, VDDSHV6\_Power out of  
expected range: max-> 40.8213781611121 > 28.803634027027 +  
0.537450316573784 || min-> 38.9477820672158 < 28.803634027027 -  
0.537450316573784, Total\_Power out of expected range: max->  
469.364672130578 > 443.97341720202 + 10.4559290532579 || min->  
455.946858293733 < 443.97341720202 - 10.4559290532579

### LOG PATH

#### **Test Case amsdkA-325: Idle power performance with PARTIAL\_WAKE\_LOCK**

##### Summary:

Acquire PARTIAL WakeLock and measure power w/out running any other application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected  
range: max-> 180.739333761625 > 197.49719504 + 0.244751618104496 ||  
min-> 180.394368313613 < 197.49719504 - 0.244751618104496,  
VDD\_MPU\_Power out of expected range: max-> 57.1877082270341 >  
43.96328282 + 0.996708180296904 || min-> 55.5796777976452 <  
43.96328282 - 0.996708180296904, VDDS\_RTC\_Power out of expected  
range: max-> 0.797874620952238 > 0.820749786666667 +  
0.000285593614237395 || min-> 0.796977699210029 < 0.820749786666667 -

## testreport AM335x\_JB\_4.1

0.000285593614237395, VDDS\_DDR\_Power out of expected range: max-> 48.6606345018876 > 73.9731343133333 + 0.537757512728462 || min-> 47.8751034560397 < 73.9731343133333 - 0.537757512728462, VDDS\_Power out of expected range: max-> 3.38887985543131 > 1.67439026666667 + 0.163774936290556 || min-> 3.20590761099701 < 1.67439026666667 - 0.163774936290556, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.16212919307139 > 2.26460225333333 + 0.0150197028626694 || min-> 2.14492431702986 < 2.26460225333333 - 0.0150197028626694, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.22213341574314 > 1.67078864 + 0.0749207665158299 || min-> 2.02822518149746 < 1.67078864 - 0.0749207665158299, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.8695506962727 > 1.83855018666667 + 0.000324256451117169 || min-> 1.86859474272361 < 1.83855018666667 - 0.000324256451117169, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5606303190786 > 14.2787557133333 + 0.00138264069984445 || min-> 14.5578091027104 < 14.2787557133333 - 0.00138264069984445, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91567784644989 > 1.89707833333333 + 0.000474727638617191 || min-> 1.9146588318261 < 1.89707833333333 - 0.000474727638617191, VDDS\_OSC\_Power out of expected range: max-> 1.24825224047443 > 1.1800241 + 0.000558719043821108 || min-> 1.24710868591186 < 1.1800241 - 0.000558719043821108, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.9492228984948 > 36.3406792333333 + 0.0995521851056354 || min-> 32.6540561517276 < 36.3406792333333 - 0.0995521851056354, VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max-> 11.1275772367967 > 8.36750022666667 + 0.00136963718024826 || min-> 11.121689732326 < 8.36750022666667 - 0.00136963718024826, VDDA\_ADC\_Power out of expected range: max-> 0.902554635273423 > 0.808180093333333 + 0.000371022156932187 || min-> 0.900434322153627 < 0.808180093333333 - 0.000371022156932187, VDDSHV1\_Power out of expected range: max-> 0.62887636047414 > 0.305260853333333 + 0.00286697620421598 || min-> 0.617335009808798 < 0.305260853333333 - 0.00286697620421598, VDDSHV2\_Power out of expected range: max-> 11.031345024198 > 11.1291922666667 + 7.49209324059294 || min-> 1.69814811885559 < 11.1291922666667 - 7.49209324059294, VDDSHV3\_Power out of expected range: max-> 0.18261113608517 > 0.164761053333333 + 0.00305354417642814 || min-> 0.168879851919933 < 0.164761053333333 - 0.00305354417642814, VDDSHV4\_Power out of expected range: max-> 0.0889250725581017 > 0.07628952 + 0.00300265064717698 || min-> 0.0767917857836391 < 0.07628952 - 0.00300265064717698, VDDSHV5\_Power out of expected range: max-> 57.8695431687668 > 13.3885567733333 + 0.0531931446181664 || min-> 57.8414782673487 < 13.3885567733333 - 0.0531931446181664, VDDSHV6\_Power out of expected range: max-> 40.8134559086863 > 29.0597954133333 + 0.281585447611044 || min-> 39.6152266374541 < 29.0597954133333 - 0.281585447611044, Total\_Power out of expected range: max-> 468.445297099417 > 444.689316575 + 10.1299325420255 || min-> 456.900405911505 < 444.689316575 - 10.1299325420255

LOG PATH**Test Case amsdkA-326: Dhrystone power performance with PARTIAL\_WAKE\_LOCK**

## Summary:

Acquire PARTIAL WakeLock and measure power while running Dhrystone benchmark

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 180.698315881858 > 197.40857112 + 0.0892712849673167 || min-> 180.413052021073 < 197.40857112 - 0.0892712849673167, VDD\_MPU\_Power out of expected range: max-> 57.1615826361166 > 43.8633321133333 + 0.290636310857743 || min-> 55.6614821104187 < 43.8633321133333 - 0.290636310857743, VDDS\_RTC\_Power out of expected range: max-> 0.797954599212145 > 0.820593453333333 + 0.000240970787890681 || min-> 0.79715375825868 < 0.820593453333333 - 0.000240970787890681, VDDS\_DDR\_Power out of expected range: max-> 48.1989940905917 > 73.9345363533333 + 0.524044106734745 || min-> 47.8834020395663 < 73.9345363533333 - 0.524044106734745, VDDS\_Power out of expected range: max-> 3.21493214395984 > 1.66540196 + 0.167124772426319 || min-> 3.19718720005443 < 1.66540196 - 0.167124772426319, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.17053005669915 > 2.25722000666667 + 0.00812371850914077 || min-> 2.14591066133534 < 2.25722000666667 - 0.00812371850914077, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.06446660682269 > 1.65822782 + 0.0284957958405233 || min-> 2.02833998856433 < 1.65822782 - 0.0284957958405233, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86953319437277 > 1.83835734 + 0.00023982961975703 || min-> 1.86853235226436 < 1.83835734 - 0.00023982961975703, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5593878051743 > 14.2784785066667 + 0.000719800029829642 || min-> 14.5572323433023 < 14.2784785066667 - 0.000719800029829642, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91580136058399 > 1.89684730666667 + 0.000359704502032554 || min-> 1.91509051386514 < 1.89684730666667 - 0.000359704502032554, VDDS\_OSC\_Power out of expected range: max-> 1.24831447455596 > 1.1801097 + 0.000451655318549812 || min-> 1.24711085701757 < 1.1801097 - 0.000451655318549812, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.8129713965996 > 36.3062951933333 + 0.0557856745412551 || min-> 32.7024888647259 < 36.3062951933333 - 0.0557856745412551, VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max-> 11.1288464979583 > 8.36741259333333 + 0.000955166135054293 || min-> 11.1237196691 < 8.36741259333333 - 0.000955166135054293, VDDA\_ADC\_Power out of expected range: max-> 0.902370718773227 > 0.808223793333333 + 0.000401201898891878 || min-> 0.900503050671211 < 0.808223793333333 - 0.000401201898891878,

VDDSHV1\_Power out of expected range: max-> 0.62984286467927 > 0.304548086666667 + 0.00308322605265695 || min-> 0.617150406784936 < 0.304548086666667 - 0.00308322605265695, VDDSHV2\_Power out of expected range: max-> 1.76059192315512 > 10.87267596 + 7.61033935133345 || min-> 1.55188991313506 < 10.87267596 - 7.61033935133345, VDDSHV3\_Power out of expected range: max-> 0.182838401654296 > 0.16417998 + 0.00309483774546253 || min-> 0.170721095914957 < 0.16417998 - 0.00309483774546253, VDDSHV4\_Power out of expected range: max-> 0.0887926892864165 > 0.075984353333333 + 0.00275231114265739 || min-> 0.0780595439893515 < 0.075984353333333 - 0.00275231114265739, VDDSHV5\_Power out of expected range: max-> 57.8767015970046 > 13.4346390466667 + 0.0078662762073252 || min-> 57.8586976074491 < 13.4346390466667 - 0.0078662762073252, VDDSHV6\_Power out of expected range: max-> 39.8470639693993 > 28.8884255733333 + 0.477467017006836 || min-> 39.1235516878783 < 28.8884255733333 - 0.477467017006836, Total\_Power out of expected range: max-> 458.161516881579 > 443.790621346734 + 10.0060640036489 || min-> 456.23736207651 < 443.790621346734 - 10.0060640036489

### LOG PATH

## Test Case amsdkA-327: 3D Graphics power performance

### Summary:

Measure power while running 3D graphics application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 180.721185604377 > 197.545885093333 + 0.126434207922366 || min-> 180.319190622635 < 197.545885093333 - 0.126434207922366, VDD\_MPU\_Power out of expected range: max-> 57.1625108773156 > 43.8830558266667 + 0.286265740443046 || min-> 55.6092358637048 < 43.8830558266667 - 0.286265740443046, VDDS\_RTC\_Power out of expected range: max-> 0.79790650743965 > 0.820682253333333 + 0.000282124709141959 || min-> 0.797212771859262 < 0.820682253333333 - 0.000282124709141959, VDDS\_DDR\_Power out of expected range: max-> 48.5607670856966 > 73.96716412 + 0.556544816285251 || min-> 47.8848271517714 < 73.96716412 - 0.556544816285251, VDDS\_Power out of expected range: max-> 3.38021107287587 > 1.66015290666667 + 0.175074537777691 || min-> 3.18620029514423 < 1.66015290666667 - 0.175074537777691, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.16381584307735 > 2.27038829333333 + 0.0242093254320195 || min-> 2.1498149054827 < 2.27038829333333 - 0.0242093254320195, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.20836643635334 > 1.66679546 + 0.0195151255239706 ||



## testreport AM335x\_JB\_4.1

min-> 2.03156689359285 < 1.66679546 - 0.0195151255239706,  
VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86945627591582 >  
1.83866724 + 0.000464025407935671 || min-> 1.86831151756023 <  
1.83866724 - 0.000464025407935671, VDDS\_PLL\_CORE\_LCD\_Power out  
of expected range: max-> 14.5612160181423 > 14.2794623266667 +  
0.00185225440886915 || min-> 14.5582035196815 < 14.2794623266667 -  
0.00185225440886915, VDDS\_PLL\_MPU\_Power out of expected range:  
max-> 1.91601980307841 > 1.89712252 + 0.000495728922410986 || min->  
1.91476443918465 < 1.89712252 - 0.000495728922410986,  
VDDS\_OSC\_Power out of expected range: max-> 1.24816392000544 >  
1.17985321333333 + 0.000769590020634221 || min-> 1.24692163263697 <  
1.17985321333333 - 0.000769590020634221, VDDA\_1P8V\_USB0\_1\_Power  
out of expected range: max-> 32.7945598582996 > 36.2766917266667 +  
0.030482502312234 || min-> 32.683003676478 < 36.2766917266667 -  
0.030482502312234, VDDS\_A3P3V\_USB0\_1\_Power out of expected range:  
max-> 11.1285716264269 > 8.36744272666667 + 0.00172699250538249 ||  
min-> 11.1225725820821 < 8.36744272666667 - 0.00172699250538249,  
VDDA\_ADC\_Power out of expected range: max-> 0.902767682562959 >  
0.80814256 + 0.000473509650268274 || min-> 0.900709285366375 <  
0.80814256 - 0.000473509650268274, VDDSHV1\_Power out of expected  
range: max-> 0.631510560740713 > 0.30434154 + 0.00315489878400152 ||  
min-> 0.614531982885153 < 0.30434154 - 0.00315489878400152,  
VDDSHV2\_Power out of expected range: max-> 10.8188471289702 >  
10.7975088533333 + 7.6737939634935 || min-> 1.37252807018687 <  
10.7975088533333 - 7.6737939634935, VDDSHV3\_Power out of expected  
range: max-> 0.182004394704915 > 0.164101506666667 +  
0.00296662244335833 || min-> 0.169853967715585 < 0.164101506666667 -  
0.00296662244335833, VDDSHV4\_Power out of expected range: max->  
0.0907024590250384 > 0.0760182066666667 + 0.00280560115415511 ||  
min-> 0.0773944839276697 < 0.0760182066666667 - 0.00280560115415511,  
VDDSHV5\_Power out of expected range: max-> 57.8774278859062 >  
13.3839722333333 + 0.0486510382121552 || min-> 57.8543882175157 <  
13.3839722333333 - 0.0486510382121552, VDDSHV6\_Power out of  
expected range: max-> 40.8259663885942 > 28.6184058733333 +  
0.727412544036503 || min-> 38.4802547974019 < 28.6184058733333 -  
0.727412544036503, Total\_Power out of expected range: max->  
468.154809969506 > 443.55620103 + 10.2860043154829 || min->  
455.390010529444 < 443.55620103 - 10.2860043154829

### LOG PATH

## Test Case amsdkA-328: Audio + Video power performance

Summary:

Measure power while running video and audio decode and playback

Last Result: **Failed**

Build 2012-9-26

Tester	gt_amsdk_lead
Testing notes	<p>Power Performance data collected, VDD_CORE_Power out of expected range: max-&gt; 180.851968092911 &gt; 197.857468905405 + 4.1656796885097    min-&gt; 180.495874919625 &lt; 197.857468905405 - 4.1656796885097,</p> <p>VDD_MPU_Power out of expected range: max-&gt; 70.1199020207461 &gt; 44.027911804054 + 1.39520373470653    min-&gt; 55.3495306828142 &lt; 44.027911804054 - 1.39520373470653, VDDS_RTC_Power out of expected range: max-&gt; 0.797974213343365 &gt; 0.8207355 + 0.000323436932060033    min-&gt; 0.797076902888946 &lt; 0.8207355 - 0.000323436932060033,</p> <p>VDDS_DDR_Power out of expected range: max-&gt; 49.3794022177517 &gt; 74.0044919797297 + 0.904584226940696    min-&gt; 47.864945875012 &lt; 74.0044919797297 - 0.904584226940696, VDDS_Power out of expected range: max-&gt; 3.39117501564655 &gt; 1.65720593243243 + 0.175028931167161    min-&gt; 3.18139532870348 &lt; 1.65720593243243 - 0.175028931167161,</p> <p>VDDS_SRAM_CORE_BG_Power out of expected range: max-&gt; 2.17456575997874 &gt; 2.26901647297297 + 0.0251497982625274    min-&gt; 2.15555206348516 &lt; 2.26901647297297 - 0.0251497982625274,</p> <p>VDDS_SRAM_MPU_BB_Power out of expected range: max-&gt; 2.07609099057359 &gt; 1.66496161486486 + 0.0206177573445468    min-&gt; 2.03991750486812 &lt; 1.66496161486486 - 0.0206177573445468,</p> <p>VDDS_PLL_DDR_Power out of expected range: max-&gt; 1.86973365904208 &gt; 1.83869775 + 0.000439955553546502    min-&gt; 1.86882178291158 &lt; 1.83869775 - 0.000439955553546502, VDDS_PLL_CORE_LCD_Power out of expected range: max-&gt; 14.5622861937481 &gt; 14.2793872837838 + 0.00209365362274639    min-&gt; 14.5592349199005 &lt; 14.2793872837838 - 0.00209365362274639, VDDS_PLL_MPU_Power out of expected range: max-&gt; 1.91587085935723 &gt; 1.89716925675676 + 0.000595105422511252    min-&gt; 1.91489054137776 &lt; 1.89716925675676 - 0.000595105422511252,</p> <p>VDDS_OSC_Power out of expected range: max-&gt; 1.24802997731975 &gt; 1.17985530405405 + 0.000710950960088584    min-&gt; 1.24687134424902 &lt; 1.17985530405405 - 0.000710950960088584, VDDA_1P8V_USB0_1_Power out of expected range: max-&gt; 32.871006844666 &gt; 36.285805972973 + 0.0179153300263831    min-&gt; 32.6971504796359 &lt; 36.285805972973 - 0.0179153300263831, VDDS_A3P3V_USB0_1_Power out of expected range: max-&gt; 11.127298528512 &gt; 8.36732611486486 + 0.00172959447651662    min-&gt; 11.1222730289243 &lt; 8.36732611486486 - 0.00172959447651662, VDDA_ADC_Power out of expected range: max-&gt; 0.901905347466567 &gt; 0.808179777027027 + 0.000483078792775326    min-&gt; 0.899950102441828 &lt; 0.808179777027027 - 0.000483078792775326,</p> <p>VDDSHV1_Power out of expected range: max-&gt; 0.627144674657961 &gt; 0.305015405405405 + 0.00270570683822221    min-&gt; 0.616594062730934 &lt; 0.305015405405405 - 0.00270570683822221, VDDSHV2_Power out of expected range: max-&gt; 11.1626461438163 &gt; 10.6027788851351 + 7.73881106027444    min-&gt; 1.34823241307168 &lt; 10.6027788851351 - 7.73881106027444, VDDSHV3_Power out of expected range: max-&gt; 0.179846407729843 &gt; 0.164466513513514 + 0.00274091950529486    min-&gt; 0.169752456655187 &lt; 0.164466513513514 - 0.00274091950529486,</p> <p>VDDSHV4_Power out of expected range: max-&gt; 0.0865059052351699 &gt; 0.0765274662162162 + 0.00294616474989862    min-&gt; 0.0753910713518984 &lt; 0.0765274662162162 - 0.00294616474989862, VDDSHV5_Power out of</p>

expected range: max-> 57.880926470233 > 13.3975024594595 +  
 0.0600619645512469 || min-> 57.8595078965276 < 13.3975024594595 -  
 0.0600619645512469, VDDSHV6\_Power out of expected range: max->  
 40.8682499062315 > 28.5411685608108 + 0.8161437620998 || min->  
 38.4080016097356 < 28.5411685608108 - 0.8161437620998, Total\_Power  
 out of expected range: max-> 470.060037227564 > 443.743174606061 +  
 11.8928129245655 || min-> 455.406272745127 < 443.743174606061 -  
 11.8928129245655

#### LOG PATH

## 3.7.4 Test Suite : DVFS-userspace

### 3.7.4.1 Test Suite : 275KHz

#### Test Case amsdkA-1015: Idle power performance with FULL\_WAKE\_LOCK

Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result:	<b>Failed</b>
Build	2012-9-26
Tester	gt_amsdk_lead
Testing notes	<p>Power Performance data collected, VDD_CORE_Power out of expected range: max-&gt; 180.693473726163 &gt; 196.772762987805 + 1.09412888789267    min-&gt; 180.312898707452 &lt; 196.772762987805 - 1.09412888789267, VDD_MPU_Power out of expected range: max-&gt; 56.8842773792504 &gt; 44.1057827723577 + 2.17978349069754    min-&gt; 55.6114865589154 &lt; 44.1057827723577 - 2.17978349069754, VDDS_RTC_Power out of expected range: max-&gt; 0.79769581326936 &gt; 0.820303670731707 + 0.000266457373503203    min-&gt; 0.796798485861794 &lt; 0.820303670731707 - 0.000266457373503203, VDDS_DDR_Power out of expected range: max-&gt; 48.6556487595518 &gt; 75.1780524186992 + 2.46355994753889    min-&gt; 47.902246497319 &lt; 75.1780524186992 - 2.46355994753889, VDDS_Power out of expected range: max-&gt; 3.38990807141906 &gt; 1.465164 + 0.00905954532895902    min-&gt; 3.20104049909305 &lt; 1.465164 - 0.00905954532895902, VDDS_SRAM_CORE_BG_Power out of expected range: max-&gt; 2.17668249559461 &gt; 2.24383986585366 + 0.0155022678835473    min-&gt; 2.12602390410311 &lt; 2.24383986585366 - 0.0155022678835473, VDDS_SRAM_MPU_BB_Power out of expected range: max-&gt; 2.80667690804963 &gt; 1.65125658943089 + 0.0420181817700313    min-&gt; 2.00908864259124 &lt; 1.65125658943089 - 0.0420181817700313, VDDS_PLL_DDR_Power out of expected range: max-&gt; 1.86949485740237 &gt; 1.83826585772358 + 0.00032284854062813    min-&gt; 1.86751621795562 &lt; 1.83826585772358 - 0.00032284854062813,</p>

VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max->  
 14.5600453526018 > 14.276584398374 + 0.00155230141574453 || min->  
 14.5562340998959 < 14.276584398374 - 0.00155230141574453,  
 VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91553945948257 >  
 1.89612068292683 + 0.000274948344484376 || min-> 1.9140643836868 <  
 1.89612068292683 - 0.000274948344484376, VDDS\_OSC\_Power out of  
 expected range: max-> 1.24830077335397 > 1.18048067479675 +  
 0.00032951496867 || min-> 1.2472258787126 < 1.18048067479675 -  
 0.00032951496867, VDDA\_1P8V\_USB0\_1\_Power out of expected range:  
 max-> 32.776973477772 > 36.3526992113821 + 0.0853902806576428 ||  
 min-> 32.6859381023147 < 36.3526992113821 - 0.0853902806576428,  
 VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max->  
 11.1275411550756 > 8.36733623577236 + 0.00157416981751393 || min->  
 11.1227615171666 < 8.36733623577236 - 0.00157416981751393,  
 VDDA\_ADC\_Power out of expected range: max-> 0.901986261367983 >  
 0.807948418699187 + 0.000581235436003352 || min-> 0.89971621209364 <  
 0.807948418699187 - 0.000581235436003352, VDDSHV1\_Power out of  
 expected range: max-> 0.628729057931224 > 0.303656869918699 +  
 0.00335109874752498 || min-> 0.614052232189811 < 0.303656869918699 -  
 0.00335109874752498, VDDSHV2\_Power out of expected range: max->  
 11.1556514312597 > 1.32506661788618 + 0.0991154698332695 || min->  
 1.63756189491951 < 1.32506661788618 - 0.0991154698332695,  
 VDDSHV3\_Power out of expected range: max-> 0.181581305566585 >  
 0.162976414634146 + 0.00301107829198042 || min-> 0.163705167564503 <  
 0.162976414634146 - 0.00301107829198042, VDDSHV4\_Power out of  
 expected range: max-> 8.45867383608778 > 0.0838474552845529 +  
 0.130967524306164 || min-> 0.0767698837832719 < 0.0838474552845529 -  
 0.130967524306164, VDDSHV5\_Power out of expected range: max->  
 57.8691443260062 > 13.3159244552846 + 0.155774348626906 || min->  
 57.8421464888176 < 13.3159244552846 - 0.155774348626906,  
 VDDSHV6\_Power out of expected range: max-> 40.8366507398988 >  
 30.4445603780488 + 2.61758095388618 || min-> 39.4128517341804 <  
 30.4445603780488 - 2.61758095388618, Total\_Power out of expected range:  
 max-> 469.252647830039 > 436.532403885135 + 9.72734125806778 || min->  
 456.504752817768 < 436.532403885135 - 9.72734125806778

### LOG PATH

#### **Test Case amsdkA-1016: Idle power performance with SCREEN\_BRIGHT\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_BRIGHT WakeLock and measure power w/out running any other application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 198.076771665349 > 197.40444812 + 0.11946653614011 ||

## testreport AM335x\_JB\_4.1

min-> 180.138177777008 < 197.40444812 - 0.11946653614011,  
VDD\_MPU\_Power out of expected range: max-> 88.8467081152759 >  
44.07115016 + 2.15833752703392 || min-> 55.6144641735264 <  
44.07115016 - 2.15833752703392, VDDS\_RTC\_Power out of expected  
range: max-> 0.797684362436765 > 0.820400373333333 +  
0.000385258381790005 || min-> 0.796276481575707 < 0.820400373333333 -  
0.000385258381790005, VDDS\_DDR\_Power out of expected range: max->  
57.4598582957001 > 73.2993588733333 + 0.11574740328232 || min->  
47.9158430449545 < 73.2993588733333 - 0.11574740328232, VDDS\_Power  
out of expected range: max-> 3.38705057646083 > 1.46193720666667 +  
0.00498357338546354 || min-> 3.19968286958995 < 1.46193720666667 -  
0.00498357338546354, VDDS\_SRAM\_CORE\_BG\_Power out of expected  
range: max-> 2.13247505163933 > 2.25237936666667 +  
0.0223613238943506 || min-> 2.09604599864155 < 2.25237936666667 -  
0.0223613238943506, VDDS\_SRAM\_MPU\_BB\_Power out of expected  
range: max-> 2.21999433140514 > 1.65699386 + 0.0208405883583243 ||  
min-> 1.98234539749193 < 1.65699386 - 0.0208405883583243,  
VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86841594837885 >  
1.83832276 + 0.000508385371636609 || min-> 1.86722599884737 <  
1.83832276 - 0.000508385371636609, VDDS\_PLL\_CORE\_LCD\_Power out  
of expected range: max-> 14.556111964712 > 14.2765995266667 +  
0.00189891733244556 || min-> 14.5531724435429 < 14.2765995266667 -  
0.00189891733244556, VDDS\_PLL\_MPU\_Power out of expected range:  
max-> 1.91484824987756 > 1.89641451333333 + 0.000357496931896237 ||  
min-> 1.91298353500744 < 1.89641451333333 - 0.000357496931896237,  
VDDS\_OSC\_Power out of expected range: max-> 1.24926120676256 >  
1.18027184 + 0.000445374830279256 || min-> 1.24786737123212 <  
1.18027184 - 0.000445374830279256, VDDA\_1P8V\_USB0\_1\_Power out of  
expected range: max-> 32.8080849915658 > 36.3257920733333 +  
0.0827733114813024 || min-> 32.7094343084714 < 36.3257920733333 -  
0.0827733114813024, VDDS\_A3P3V\_USB0\_1\_Power out of expected  
range: max-> 11.1285621226113 > 8.36719728 + 0.00197404991982409 ||  
min-> 11.1233605840913 < 8.36719728 - 0.00197404991982409,  
VDDA\_ADC\_Power out of expected range: max-> 0.902002555490271 >  
0.80812078 + 0.000740668248676841 || min-> 0.90068297771174 <  
0.80812078 - 0.000740668248676841, VDDSHV1\_Power out of expected  
range: max-> 0.628486537782813 > 0.30431758 + 0.00327546855251598 ||  
min-> 0.618901865003812 < 0.30431758 - 0.00327546855251598,  
VDDSHV2\_Power out of expected range: max-> 11.1204722120244 >  
1.37321820666667 + 0.0533126483020423 || min-> 1.62195816756464 <  
1.37321820666667 - 0.0533126483020423, VDDSHV3\_Power out of  
expected range: max-> 0.179686775883121 > 0.16286726 +  
0.00302932315059638 || min-> 0.168794537685864 < 0.16286726 -  
0.00302932315059638, VDDSHV4\_Power out of expected range: max->  
0.084432571808926 > 0.075383873333333 + 0.00288800596496012 ||  
min-> 0.0743545095923206 < 0.075383873333333 - 0.00288800596496012,  
VDDSHV5\_Power out of expected range: max-> 57.8521651896869 >  
13.3428166 + 0.111425534608947 || min-> 57.8282521943954 < 13.3428166  
- 0.111425534608947, VDDSHV6\_Power out of expected range: max->  
40.6882325114164 > 28.43192274 + 0.334475859630037 || min->

39.297699707503 < 28.43192274 - 0.334475859630037, Total\_Power out of expected range: max-> 518.727895856266 > 436.420453685 + 13.0229484304765 || min-> 456.091284009095 < 436.420453685 - 13.0229484304765

### LOG PATH

#### **Test Case amsdkA-1017: Idle power performance with SCREEN\_DIM\_WAKE\_LOCK**

##### Summary:

Acquire SCREEN\_DIM WakeLock and measure power w/out running any other application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 180.937326938054 > 197.596065068966 + 0.844500135134757, || min-> 180.151055008718 < 197.596065068966 - 0.844500135134757, VDD\_MPU\_Power out of expected range: max-> 56.7646668729337 > 44.1037418896552 + 2.48556824481618 || min-> 55.5605349609802 < 44.1037418896552 - 2.48556824481618, VDDS\_RTC\_Power out of expected range: max-> 0.797556002725754 > 0.820496537931034 + 0.000377586101661623 || min-> 0.795933137831423 < 0.820496537931034 - 0.000377586101661623, VDDS\_DDR\_Power out of expected range: max-> 48.5563538387305 > 73.3304238965517 + 0.116903718852334 || min-> 47.9201762290451 < 73.3304238965517 - 0.116903718852334, VDDS\_Power out of expected range: max-> 3.52021808579047 > 1.45280122068966 + 0.00516324388231999 || min-> 3.18890393851207 < 1.45280122068966 - 0.00516324388231999, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.16039863412172 > 2.25229279310345 + 0.0313168451153526 || min-> 2.08087661910242 < 2.25229279310345 - 0.0313168451153526, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.22727486842756 > 1.65551753793103 + 0.027878061914679 || min-> 1.96549875593314 < 1.65551753793103 - 0.027878061914679, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86967850170347 > 1.83833557931034 + 0.000624650159837908 || min-> 1.86688457079205 < 1.83833557931034 - 0.000624650159837908, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5607859000508 > 14.2781175517241 + 0.00270541681198762 || min-> 14.5514790105764 < 14.2781175517241 - 0.00270541681198762, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91536885995228 > 1.89661626206897 + 0.000376349921241367 || min-> 1.91296399571493 < 1.89661626206897 - 0.000376349921241367, VDDS\_OSC\_Power out of expected range: max-> 1.24995480862173 > 1.18045593793103 + 0.000570681168630028 || min-> 1.2472833489021 < 1.18045593793103 - 0.000570681168630028, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.8283949513131 > 36.3834623724138 + 0.109383667805558

## testreport AM335x\_JB\_4.1

|| min-> 32.7145199160825 < 36.3834623724138 - 0.109383667805558,  
VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max->  
11.1296703948939 > 8.36743725517241 + 0.00257013989906684 || min->  
11.1244045948586 < 8.36743725517241 - 0.00257013989906684,  
VDDA\_ADC\_Power out of expected range: max-> 0.90270917356693 >  
0.808267551724138 + 0.000706617189989922 || min-> 0.900785027429608  
< 0.808267551724138 - 0.000706617189989922, VDDSHV1\_Power out of  
expected range: max-> 0.632043562135307 > 0.30459135862069 +  
0.00381163858424085 || min-> 0.617982154256402 < 0.30459135862069 -  
0.00381163858424085, VDDSHV2\_Power out of expected range: max->  
11.1325823197873 > 1.28186736551724 + 0.0576921485832385 || min->  
1.50766165964553 < 1.28186736551724 - 0.0576921485832385,  
VDDSHV3\_Power out of expected range: max-> 0.179993042727534 >  
0.163353213793103 + 0.0033160948024284 || min-> 0.166422943918625 <  
0.163353213793103 - 0.0033160948024284, VDDSHV4\_Power out of  
expected range: max-> 0.089194043300936 > 0.0750158965517241 +  
0.00268640269387689 || min-> 0.0748311902139728 < 0.0750158965517241  
- 0.00268640269387689, VDDSHV5\_Power out of expected range: max->  
57.8669766367143 > 13.345915337931 + 0.111287008597447 || min->  
57.8205112578714 < 13.345915337931 - 0.111287008597447,  
VDDSHV6\_Power out of expected range: max-> 40.7617706745134 >  
28.0836344413793 + 0.296758607372956 || min-> 38.9117002552231 <  
28.0836344413793 - 0.296758607372956, Total\_Power out of expected  
range: max-> 468.611145750534 > 436.001729251282 + 11.8818042674052  
|| min-> 455.479298011508 < 436.001729251282 - 11.8818042674052

### LOG PATH

#### **Test Case amsdkA-1018: Idle power performance with PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power w/out running any other application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected  
range: max-> 182.198053892418 > 197.575878178082 + 0.451589547427645  
|| min-> 180.369386014799 < 197.575878178082 - 0.451589547427645,  
VDD\_MPU\_Power out of expected range: max-> 57.4502973794258 >  
43.9743992123288 + 1.05340961857019 || min-> 55.6424943698803 <  
43.9743992123288 - 1.05340961857019, VDDS\_RTC\_Power out of expected  
range: max-> 0.79884142996578 > 0.820392979452055 +  
0.000366274853821221 || min-> 0.797064009992689 < 0.820392979452055 -  
0.000366274853821221, VDDS\_DDR\_Power out of expected range: max->  
48.6023240902996 > 73.3383529178082 + 0.10567472015667 || min->  
47.9232359764533 < 73.3383529178082 - 0.10567472015667, VDDS\_Power  
out of expected range: max-> 3.38566336054542 > 1.46566860958904 +

## testreport AM335x\_JB\_4.1

0.00512998106990207 || min-> 3.20689360495178 < 1.46566860958904 -  
0.00512998106990207, VDDS\_SRAM\_CORE\_BG\_Power out of expected  
range: max-> 2.1979625017779 > 2.24734252739726 + 0.0287364270266588  
|| min-> 2.12263580944631 < 2.24734252739726 - 0.0287364270266588,  
VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max->  
2.10412909292812 > 1.65057474657534 + 0.0252791138117574 || min->  
2.00734427895638 < 1.65057474657534 - 0.0252791138117574,  
VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.8705831702467 >  
1.83830262328767 + 0.000684413644815059 || min-> 1.86788284927592 <  
1.83830262328767 - 0.000684413644815059,  
VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max->  
14.5640482166777 > 14.2770703287671 + 0.00223885109011649 || min->  
14.5563122286865 < 14.2770703287671 - 0.00223885109011649,  
VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.9164011999173 >  
1.89644854794521 + 0.000440450335541202 || min-> 1.91412788218723 <  
1.89644854794521 - 0.000440450335541202, VDDS\_OSC\_Power out of  
expected range: max-> 1.2486909759167 > 1.18045546575342 +  
0.000559756340632718 || min-> 1.24654279054216 < 1.18045546575342 -  
0.000559756340632718, VDDA\_1P8V\_USB0\_1\_Power out of expected  
range: max-> 32.8734069330442 > 36.415625760274 + 0.114251271777771  
|| min-> 32.6798515510407 < 36.415625760274 - 0.114251271777771,  
VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max->  
11.1272083476251 > 8.36756370547945 + 0.00258866557876189 || min->  
11.1236406933909 < 8.36756370547945 - 0.00258866557876189,  
VDDA\_ADC\_Power out of expected range: max-> 0.901900359084 >  
0.808162212328767 + 0.000711629143207273 || min-> 0.900401477010128  
< 0.808162212328767 - 0.000711629143207273, VDDSHV1\_Power out of  
expected range: max-> 0.628843397836111 > 0.304585273972603 +  
0.00320494051700257 || min-> 0.618379941374591 < 0.304585273972603 -  
0.00320494051700257, VDDSHV2\_Power out of expected range: max->  
11.1312064061079 > 1.44433861643836 + 0.0591625065030878 || min->  
1.69685583874765 < 1.44433861643836 - 0.0591625065030878,  
VDDSHV3\_Power out of expected range: max-> 0.186764257262721 >  
0.162592732876712 + 0.0030023777813505 || min-> 0.169698100199267 <  
0.162592732876712 - 0.0030023777813505, VDDSHV5\_Power out of  
expected range: max-> 57.9025379828015 > 13.3438210479452 +  
0.120353636981262 || min-> 57.8480762814856 < 13.3438210479452 -  
0.120353636981262, VDDSHV6\_Power out of expected range: max->  
40.8224065093231 > 28.6647685890411 + 0.308990319695684 || min->  
39.6249906089578 < 28.6647685890411 - 0.308990319695684, Total\_Power  
out of expected range: max-> 469.8180851894 > 436.441574757732 +  
11.5607621614105 || min-> 456.87384160317 < 436.441574757732 -  
11.5607621614105

### LOG PATH

#### **Test Case amsdkA-1019: Dhrystone power performance with PARTIAL\_WAKE\_LOCK**

Summary:



Acquire PARTIAL WakeLock and measure power while running Dhrystone benchmark

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 180.542877556288 > 197.440156194631 + 0.178651690508119 || min-> 180.219203066149 < 197.440156194631 - 0.178651690508119, VDD\_MPU\_Power out of expected range: max-> 99.5736526455309 > 43.9648317248322 + 0.628211966459741 || min-> 55.5982232628298 < 43.9648317248322 - 0.628211966459741, VDDS\_RTC\_Power out of expected range: max-> 0.797470053787741 > 0.820332208053691 + 0.00042071394877017 || min-> 0.796573732508956 < 0.820332208053691 - 0.00042071394877017, VDDS\_DDR\_Power out of expected range: max-> 65.6680168623972 > 73.3185532550335 + 0.115085125146284 || min-> 47.9442390123371 < 73.3185532550335 - 0.115085125146284, VDDS\_Power out of expected range: max-> 3.38328711025082 > 1.45759663758389 + 0.00639904633702086 || min-> 3.19481142953155 < 1.45759663758389 - 0.00639904633702086, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.13522525738574 > 2.24160866442953 + 0.0316511536033195 || min-> 2.09546043592862 < 2.24160866442953 - 0.0316511536033195, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.17525203312229 > 1.6470807114094 + 0.0280391118440662 || min-> 1.98206311212948 < 1.6470807114094 - 0.0280391118440662, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86887885612397 > 1.83826202684564 + 0.000694466292602554 || min-> 1.86750770146945 < 1.83826202684564 - 0.000694466292602554, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5582851300149 > 14.2770253892617 + 0.00252704554045319 || min-> 14.5546007149231 < 14.2770253892617 - 0.00252704554045319, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91511170754518 > 1.89638606040268 + 0.000407502672816787 || min-> 1.91343368907719 < 1.89638606040268 - 0.000407502672816787, VDDS\_OSC\_Power out of expected range: max-> 1.24954974310811 > 1.18051334899329 + 0.000579459492019004 || min-> 1.24820427283334 < 1.18051334899329 - 0.000579459492019004, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.8656847035625 > 36.3454903087248 + 0.0882980418208206 || min-> 32.7362364542145 < 36.3454903087248 - 0.0882980418208206, VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max-> 11.1289650968867 > 8.36796097986577 + 0.00250927621816679 || min-> 11.1243548893909 < 8.36796097986577 - 0.00250927621816679, VDDA\_ADC\_Power out of expected range: max-> 0.902711831497411 > 0.808119342281879 + 0.000703110154105972 || min-> 0.900651397486641 < 0.808119342281879 - 0.000703110154105972, VDDSHV1\_Power out of expected range: max-> 0.63012048712568 > 0.304148644295302 + 0.0030972130302992 || min-> 0.619014910598714 < 0.304148644295302 - 0.0030972130302992, VDDSHV2\_Power out of expected range: max-> 10.9506505561459 > 1.30016465100671 + 0.0560553033280066 || min-> 1.55108902851406 < 1.30016465100671 - 0.0560553033280066, VDDSHV3\_Power out of expected range: max->

## testreport AM335x\_JB\_4.1

0.181411127540812 > 0.163456281879195 + 0.00308827689663292 || min->  
0.168762069784074 < 0.163456281879195 - 0.00308827689663292,  
VDDSHV4\_Power out of expected range: max-> 0.0893998502360226 >  
0.0757463422818792 + 0.00283350251997404 || min-> 0.0763190354528236  
< 0.0757463422818792 - 0.00283350251997404, VDDSHV5\_Power out of  
expected range: max-> 57.8581169480928 > 13.313910590604 +  
0.134913536497742 || min-> 57.8331972536169 < 13.313910590604 -  
0.134913536497742, VDDSHV6\_Power out of expected range: max->  
40.8165399246821 > 28.1921353825503 + 0.31661827153861 || min->  
39.1023461513585 < 28.1921353825503 - 0.31661827153861, Total\_Power  
out of expected range: max-> 528.626406347625 > 435.357431515306 +  
11.4501114807084 || min-> 455.920408038178 < 435.357431515306 -  
11.4501114807084

### LOG PATH

## Test Case amsdkA-1020: 3D Graphics power performance

### Summary:

Measure power while running 3D graphics application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected  
range: max-> 180.596461216907 > 198.787983946667 + 7.47049741386291  
|| min-> 180.084140023123 < 198.787983946667 - 7.47049741386291,  
VDD\_MPU\_Power out of expected range: max-> 72.3739681431003 >  
44.97050952 + 5.5692543599445 || min-> 55.5701223495101 < 44.97050952  
- 5.5692543599445, VDDS\_RTC\_Power out of expected range: max->  
0.79746360863983 > 0.82040442 + 0.000418904527955567 || min->  
0.796293101761771 < 0.82040442 - 0.000418904527955567,  
VDDS\_DDR\_Power out of expected range: max-> 48.6283023419805 >  
74.03628396 + 4.46265314751366 || min-> 47.9367869564368 <  
74.03628396 - 4.46265314751366, VDDS\_Power out of expected range:  
max-> 3.38743969726063 > 1.44895381333333 + 0.0248887489767768 ||  
min-> 3.18276031158285 < 1.44895381333333 - 0.0248887489767768,  
VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max->  
2.12702550229777 > 2.25595550666667 + 0.0480111697750044 || min->  
2.08168667293215 < 2.25595550666667 - 0.0480111697750044,  
VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max->  
2.02582171823174 > 1.68487007333333 + 0.182630966115524 || min->  
1.96617485679207 < 1.68487007333333 - 0.182630966115524,  
VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86944867936692 >  
1.83838406666667 + 0.000735093106165224 || min-> 1.86734798079701 <  
1.83838406666667 - 0.000735093106165224,  
VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max->  
14.5590108890548 > 14.2776215333333 + 0.00302632126626546 || min->

## testreport AM335x\_JB\_4.1

14.5528110639333 < 14.2776215333333 - 0.00302632126626546,  
VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91463834899074 >  
1.89646413333333 + 0.00055349431306642 || min-> 1.91303055008659 <  
1.89646413333333 - 0.00055349431306642, VDDS\_OSC\_Power out of  
expected range: max-> 1.25012688076018 > 1.18039212666667 +  
0.000680975916373568 || min-> 1.24812883531376 < 1.18039212666667 -  
0.000680975916373568, VDDA\_1P8V\_USB0\_1\_Power out of expected  
range: max-> 32.8891108616603 > 36.3426748066667 +  
0.0874540159659634 || min-> 32.7398007414561 < 36.3426748066667 -  
0.0874540159659634, VDDS\_A3P3V\_USB0\_1\_Power out of expected  
range: max-> 11.1280781952108 > 8.36746674666667 +  
0.00264386605525179 || min-> 11.1237902653798 < 8.36746674666667 -  
0.00264386605525179, VDDA\_ADC\_Power out of expected range: max->  
0.90287693848576 > 0.808133466666667 + 0.000802713507664154 || min->  
0.900383508748554 < 0.808133466666667 - 0.000802713507664154,  
VDDSHV1\_Power out of expected range: max-> 0.631652731932913 >  
0.304073186666667 + 0.00341293685334411 || min-> 0.619806734935194 <  
0.304073186666667 - 0.00341293685334411, VDDSHV2\_Power out of  
expected range: max-> 11.1592410311943 > 1.19378942 +  
0.307494705628123 || min-> 1.37181963841011 < 1.19378942 -  
0.307494705628123, VDDSHV3\_Power out of expected range: max->  
0.180333602684214 > 0.1627588 + 0.00323358361262854 || min->  
0.16763196464238 < 0.1627588 - 0.00323358361262854, VDDSHV4\_Power  
out of expected range: max-> 7.25748271870553 > 0.07553974 +  
0.00270117065084132 || min-> 0.0787989366816901 < 0.07553974 -  
0.00270117065084132, VDDSHV5\_Power out of expected range: max->  
57.8582040021542 > 13.2915738 + 0.148501324718661 || min->  
57.8311174346095 < 13.2915738 - 0.148501324718661, VDDSHV6\_Power  
out of expected range: max-> 40.8390521076862 > 27.7864982 +  
1.25192080128151 || min-> 38.4647397106549 < 27.7864982 -  
1.25192080128151, Total\_Power out of expected range: max->  
472.362507800471 > 437.508676925 + 19.526053844148 || min->  
454.865668491183 < 437.508676925 - 19.526053844148

### LOG PATH

## Test Case amsdkA-1021: Audio + Video power performance

### Summary:

Measure power while running video and audio decode and playback

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected  
range: max-> 180.756556556548 > 197.49875556 + 0.12194965586019 ||  
min-> 180.365087948723 < 197.49875556 - 0.12194965586019,  
VDD\_MPU\_Power out of expected range: max-> 57.1291341810444 >

## testreport AM335x\_JB\_4.1

44.04868806 + 1.73283548876524 || min-> 55.5344511020059 <  
44.04868806 - 1.73283548876524, VDDS\_RTC\_Power out of expected  
range: max-> 0.798566085773039 > 0.82027817 + 0.000323836614237584 ||  
min-> 0.796972316595749 < 0.82027817 - 0.000323836614237584,  
VDDS\_DDR\_Power out of expected range: max-> 48.1976722877576 >  
73.25250222 + 0.094996272630428 || min-> 47.8758450474552 <  
73.25250222 - 0.094996272630428, VDDS\_Power out of expected range:  
max-> 3.19987688097898 > 1.44273425 + 0.0051418148092379 || min->  
3.18158092608522 < 1.44273425 - 0.0051418148092379,  
VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max->  
2.18173057354604 > 2.23286564 + 0.0140116728894949 || min->  
2.11552642357806 < 2.23286564 - 0.0140116728894949,  
VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max->  
2.17356714971526 > 1.6369021 + 0.0138445560751801 || min->  
2.00290059612009 < 1.6369021 - 0.0138445560751801,  
VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86990297578475 >  
1.83802341 + 0.000419586101709015 || min-> 1.86804703269394 <  
1.83802341 - 0.000419586101709015, VDDS\_PLL\_CORE\_LCD\_Power out  
of expected range: max-> 14.5631601652675 > 14.27660649 +  
0.00186127194216474 || min-> 14.5555172291743 < 14.27660649 -  
0.00186127194216474, VDDS\_PLL\_MPU\_Power out of expected range:  
max-> 1.915965242657 > 1.89624994 + 0.000408310137345205 || min->  
1.9139826975194 < 1.89624994 - 0.000408310137345205,  
VDDS\_OSC\_Power out of expected range: max-> 1.24874705528203 >  
1.18072227 + 0.000268038228612965 || min-> 1.24684744880182 <  
1.18072227 - 0.000268038228612965, VDDA\_1P8V\_USB0\_1\_Power out of  
expected range: max-> 32.8664097565297 > 36.34118297 +  
0.0766734580789544 || min-> 32.6643417275829 < 36.34118297 -  
0.0766734580789544, VDDS\_A3P3V\_USB0\_1\_Power out of expected  
range: max-> 11.1264934596905 > 8.36842312 + 0.000806945526610557 ||  
min-> 11.1222040455219 < 8.36842312 - 0.000806945526610557,  
VDDA\_ADC\_Power out of expected range: max-> 0.902267285238164 >  
0.80856288 + 0.000331945756607317 || min-> 0.900759122805823 <  
0.80856288 - 0.000331945756607317, VDDSHV1\_Power out of expected  
range: max-> 0.631174900635685 > 0.30530942 + 0.0026511021652342 ||  
min-> 0.616854675088415 < 0.30530942 - 0.0026511021652342,  
VDDSHV2\_Power out of expected range: max-> 1.53256597688927 >  
1.14124949 + 0.0507944120717708 || min-> 1.34900991384439 <  
1.14124949 - 0.0507944120717708, VDDSHV3\_Power out of expected  
range: max-> 0.181217629267906 > 0.1633375 + 0.00323976145617804 ||  
min-> 0.170795463929483 < 0.1633375 - 0.00323976145617804,  
VDDSHV4\_Power out of expected range: max-> 8.44940619068998 >  
0.07608798 + 0.00275594848282761 || min-> 0.0766349513029474 <  
0.07608798 - 0.00275594848282761, VDDSHV5\_Power out of expected  
range: max-> 57.9088284414351 > 13.39103929 + 0.038147820889685 ||  
min-> 57.8606576606374 < 13.39103929 - 0.038147820889685,  
VDDSHV6\_Power out of expected range: max-> 39.1687299435001 >  
27.67389753 + 0.259633714523197 || min-> 38.4001944616977 <  
27.67389753 - 0.259633714523197, Total\_Power out of expected range:  
max-> 463.798108153735 > 437.3012338 + 12.7719364909639 || min->

LOG PATH

## 3.7.4.2 Test Suite : 500KHz

### **Test Case amsdkA-1000: Idle power performance with FULL\_WAKE\_LOCK**

Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result:       **Passed**  
Build               2012-9-26  
Tester              gt\_amsdk\_lead

### **Test Case amsdkA-1001: Idle power performance with SCREEN\_BRIGHT\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_BRIGHT WakeLock and measure power w/out running any other application

Last Result:       **Passed**  
Build               2012-9-26  
Tester              gt\_amsdk\_lead

### **Test Case amsdkA-1002: Idle power performance with SCREEN\_DIM\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_DIM WakeLock and measure power w/out running any other application

Last Result:       **Passed**  
Build               2012-9-26  
Tester              gt\_amsdk\_lead

**Test Case amsdkA-1003: Idle power performance with  
PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power w/out running  
any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-1004: Dhrystone power performance with  
PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power while running  
Dhrystone benchmark

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-1005: 3D Graphics power performance**

Summary:

Measure power while running 3D graphics application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-1006: Audio + Video power performance**

Summary:

Measure power while running video and audio decode and  
playback

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

### 3.7.4.3 Test Suite : 720KHz

#### **Test Case amsdkA-985: Idle power performance with FULL\_WAKE\_LOCK**

Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-986: Idle power performance with SCREEN\_BRIGHT\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_BRIGHT WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-987: Idle power performance with SCREEN\_DIM\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_DIM WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-988: Idle power performance with PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-989: Dhrystone power performance with PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power while running Dhrystone benchmark

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-990: 3D Graphics power performance**

Summary:

Measure power while running 3D graphics application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-991: Audio + Video power performance**

Summary:

Measure power while running video and audio decode and playback

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

## 3.7.4.4 Test Suite : 600KHz

**Test Case amsdkA-353: Idle power performance with FULL\_WAKE\_LOCK**



Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-354: Idle power performance with  
SCREEN\_BRIGHT\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_BRIGHT WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-355: Idle power performance with  
SCREEN\_DIM\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_DIM WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-356: Idle power performance with  
PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power w/out running any other application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-357: Dhrystone power performance with PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power while running Dhrystone benchmark

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-358: 3D Graphics power performance**

Summary:

Measure power while running 3D graphics application

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-359: Audio + Video power performance**

Summary:

Measure power while running video and audio decode and playback

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

## 3.7.5 Test Suite : DVFS-Ondemand(default)

**Test Case amsdkA-308: Idle power performance with FULL\_WAKE\_LOCK**

Summary:

Acquire FULL WakeLock and measure power w/out running any other application

Last Result: **Failed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 195.128108745107 > 197.922907633333 + 0.70474563001468

## testreport AM335x\_JB\_4.1

|| min-> 179.967837169406 < 197.922907633333 - 0.70474563001468,  
VDD\_MPU\_Power out of expected range: max-> 56.9313691266041 >  
45.89243676 + 3.22694088561634 || min-> 55.4441449816342 <  
45.89243676 - 3.22694088561634, VDDS\_RTC\_Power out of expected  
range: max-> 0.797927804783917 > 0.820572046666667 +  
0.00032184860003338 || min-> 0.796033957826608 < 0.820572046666667 -  
0.00032184860003338, VDDS\_DDR\_Power out of expected range: max->  
50.0172248259927 > 73.7526051 + 0.572752201230545 || min->  
47.9729923223342 < 73.7526051 - 0.572752201230545, VDDS\_Power out of  
expected range: max-> 3.37810400212389 > 1.66743467333333 +  
0.163883501855113 || min-> 3.20218660562731 < 1.66743467333333 -  
0.163883501855113, VDDS\_SRAM\_CORE\_BG\_Power out of expected  
range: max-> 2.19182091172241 > 2.2641283 + 0.0286960665249495 ||  
min-> 2.07790402139892 < 2.2641283 - 0.0286960665249495,  
VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max->  
2.07336609906844 > 1.71402327333333 + 0.0839160962694587 || min->  
1.95644876498028 < 1.71402327333333 - 0.0839160962694587,  
VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86874019471275 >  
1.83837618666667 + 0.000413241715699618 || min-> 1.86662690052396 <  
1.83837618666667 - 0.000413241715699618,  
VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max->  
14.5596753816691 > 14.2778939533333 + 0.00250449946823335 || min->  
14.549473591914 < 14.2778939533333 - 0.00250449946823335,  
VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91471829370396 >  
1.89691153333333 + 0.000630361819726768 || min-> 1.91269693985955 <  
1.89691153333333 - 0.000630361819726768, VDDS\_OSC\_Power out of  
expected range: max-> 1.24980241780333 > 1.18005407333333 +  
0.000658457681165595 || min-> 1.24756353030623 < 1.18005407333333 -  
0.000658457681165595, VDDA\_1P8V\_USB0\_1\_Power out of expected  
range: max-> 32.8507322121334 > 36.3024412066667 +  
0.0612384752334819 || min-> 32.678394749164 < 36.3024412066667 -  
0.0612384752334819, VDDS\_A3P3V\_USB0\_1\_Power out of expected  
range: max-> 11.1287699007964 > 8.36621499333333 +  
0.00189453236579796 || min-> 11.1227903235466 < 8.36621499333333 -  
0.00189453236579796, VDDA\_ADC\_Power out of expected range: max->  
0.903068867953112 > 0.808023486666667 + 0.000431551411280471 ||  
min-> 0.900859193956233 < 0.808023486666667 - 0.000431551411280471,  
VDDSHV1\_Power out of expected range: max-> 0.630870835063609 >  
0.303125893333333 + 0.00332361757131195 || min-> 0.617559727942139 <  
0.303125893333333 - 0.00332361757131195, VDDSHV2\_Power out of  
expected range: max-> 11.153421641035 > 10.9411689466667 +  
7.59736329794997 || min-> 1.63827406414449 < 10.9411689466667 -  
7.59736329794997, VDDSHV3\_Power out of expected range: max->  
0.181210206499533 > 0.16340702 + 0.00309239401183455 || min->  
0.168605355495922 < 0.16340702 - 0.00309239401183455,  
VDDSHV5\_Power out of expected range: max-> 57.8960407677959 >  
13.6600786 + 0.626349288627728 || min-> 57.8399053881993 < 13.6600786  
- 0.626349288627728, VDDSHV6\_Power out of expected range: max->  
40.8336190759789 > 28.8127689533333 + 0.23947127547159 || min->  
39.3867782134405 < 28.8127689533333 - 0.23947127547159, Total\_Power

out of expected range: max-> 483.26851626464 > 446.158966853535 +  
11.4652279073999 || min-> 456.089039662024 < 446.158966853535 -  
11.4652279073999

### LOG PATH

#### **Test Case amsdkA-309: Idle power performance with SCREEN\_BRIGHT\_WAKE\_LOCK**

##### Summary:

Acquire SCREEN\_BRIGHT WakeLock and measure power w/out running any other application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 180.912336866981 > 197.594038353333 + 0.143793387720709 || min-> 180.242114340986 < 197.594038353333 - 0.143793387720709, VDD\_MPU\_Power out of expected range: max-> 81.1903820786859 > 44.0948306466667 + 2.06824552186406 || min-> 55.6876380062903 < 44.0948306466667 - 2.06824552186406, VDDS\_RTC\_Power out of expected range: max-> 0.798193739857849 > 0.82086436 + 0.000387491230059843 || min-> 0.796714963323507 < 0.82086436 - 0.000387491230059843, VDDS\_DDR\_Power out of expected range: max-> 48.5394518771501 > 74.0471881133333 + 0.664557203813577 || min-> 47.8969323316877 < 74.0471881133333 - 0.664557203813577, VDDS\_Power out of expected range: max-> 3.37752601742462 > 1.67654232666667 + 0.166516743102134 || min-> 3.20199623883782 < 1.67654232666667 - 0.166516743102134, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.18864458093576 > 2.28726232666667 + 0.024819530049233 || min-> 2.13421725369944 < 2.28726232666667 - 0.024819530049233, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.54451157916498 > 1.6811739 + 0.0197056687613566 || min-> 2.01956747896558 < 1.6811739 - 0.0197056687613566, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86953198576951 > 1.83875746666667 + 0.000399803956210089 || min-> 1.86829665999807 < 1.83875746666667 - 0.000399803956210089, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5619759785793 > 14.28010352 + 0.00252598913177227 || min-> 14.5549680832821 < 14.28010352 - 0.00252598913177227, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91566266589834 > 1.89733158666667 + 0.000615981468937602 || min-> 1.91404134066802 < 1.89733158666667 - 0.000615981468937602, VDDS\_OSC\_Power out of expected range: max-> 1.24820354119378 > 1.17957384 + 0.000527105226942868 || min-> 1.24649279496735 < 1.17957384 - 0.000527105226942868, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.803630690955 > 36.28368648 + 0.0676183109191281 || min-> 32.6613400824578 < 36.28368648 - 0.0676183109191281, VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max->

## testreport AM335x\_JB\_4.1

11.1268478306623 > 8.36593149333333 + 0.00232195246771392 || min->  
11.1203510845585 < 8.36593149333333 - 0.00232195246771392,  
VDDA\_ADC\_Power out of expected range: max-> 0.902544427487292 >  
0.80793036 + 0.000463489395631182 || min-> 0.900180671268142 <  
0.80793036 - 0.000463489395631182, VDDSHV1\_Power out of expected  
range: max-> 0.629032033264178 > 0.302855253333333 +  
0.00301598566520365 || min-> 0.615269847498316 < 0.302855253333333 -  
0.00301598566520365, VDDSHV2\_Power out of expected range: max->  
11.1377678276407 > 11.1424780266667 + 7.55569833352942 || min->  
1.62090143873429 < 11.1424780266667 - 7.55569833352942,  
VDDSHV3\_Power out of expected range: max-> 0.179192527259044 >  
0.163154693333333 + 0.00281404256238412 || min-> 0.167249937643052 <  
0.163154693333333 - 0.00281404256238412, VDDSHV4\_Power out of  
expected range: max-> 0.0874118435775233 > 0.0753363933333333 +  
0.00286634712322633 || min-> 0.0762204062086203 < 0.0753363933333333  
- 0.00286634712322633, VDDSHV5\_Power out of expected range: max->  
57.9152182386929 > 13.4197125266667 + 0.052564389651963 || min->  
57.8789620249185 < 13.4197125266667 - 0.052564389651963,  
VDDSHV6\_Power out of expected range: max-> 40.7312638001127 >  
28.97192484 + 0.398702752212629 || min-> 39.3540873076803 <  
28.97192484 - 0.398702752212629, Total\_Power out of expected range:  
max-> 482.217817585349 > 444.725710915 + 10.0594443145448 || min->  
456.494609870867 < 444.725710915 - 10.0594443145448

### LOG PATH

#### **Test Case amsdkA-310: Idle power performance with SCREEN\_DIM\_WAKE\_LOCK**

Summary:

Acquire SCREEN\_DIM WakeLock and measure power w/out running any other application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected  
range: max-> 180.858673133449 > 197.608587355705 + 0.158935099403323  
|| min-> 180.070314790353 < 197.608587355705 - 0.158935099403323,  
VDD\_MPU\_Power out of expected range: max-> 56.9282792509794 >  
43.9448050805369 + 0.406556240989556 || min-> 55.5334970598777 <  
43.9448050805369 - 0.406556240989556, VDDS\_RTC\_Power out of  
expected range: max-> 0.798410276485321 > 0.820861617449664 +  
0.000324085930788302 || min-> 0.79626058935075 < 0.820861617449664 -  
0.000324085930788302, VDDS\_DDR\_Power out of expected range: max->  
48.6505426982486 > 74.0912908456376 + 0.931896483362351 || min->  
47.9326436376788 < 74.0912908456376 - 0.931896483362351,  
VDDS\_Power out of expected range: max-> 3.63504297068631 > 1.669317 +  
0.170962523021762 || min-> 3.18962077902307 < 1.669317 -  
0.170962523021762, VDDS\_SRAM\_CORE\_BG\_Power out of expected

## testreport AM335x\_JB\_4.1

range: max-> 2.21027779806979 > 2.28640067114094 +  
0.0257105352174631 || min-> 2.06310091972261 < 2.28640067114094 -  
0.0257105352174631, VDDS\_SRAM\_MPU\_BB\_Power out of expected  
range: max-> 2.09215427049855 > 1.68147689261745 +  
0.0333640322034681 || min-> 1.94879361650593 < 1.68147689261745 -  
0.0333640322034681, VDDS\_PLL\_DDR\_Power out of expected range:  
max-> 1.86916434689721 > 1.83882177181208 + 0.000396223492069564 ||  
min-> 1.86656289918062 < 1.83882177181208 - 0.000396223492069564,  
VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max->  
14.561012424707 > 14.280553147651 + 0.00191503673156779 || min->  
14.5492763437632 < 14.280553147651 - 0.00191503673156779,  
VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91564107076981 >  
1.89736822147651 + 0.00058116570094273 || min-> 1.91297957766498 <  
1.89736822147651 - 0.00058116570094273, VDDS\_OSC\_Power out of  
expected range: max-> 1.25020153097764 > 1.17964951006711 +  
0.000641874178553082 || min-> 1.24663514782648 < 1.17964951006711 -  
0.000641874178553082, VDDA\_1P8V\_USB0\_1\_Power out of expected  
range: max-> 32.9448419202265 > 36.2744340134228 +  
0.0810051662180484 || min-> 32.7382974861373 < 36.2744340134228 -  
0.0810051662180484, VDDS\_A3P3V\_USB0\_1\_Power out of expected  
range: max-> 11.128581975867 > 8.365813 + 0.00262074058198178 || min->  
11.1217141597451 < 8.365813 - 0.00262074058198178,  
VDDA\_ADC\_Power out of expected range: max-> 0.902689426122932 >  
0.80798332885906 + 0.000533363808159001 || min-> 0.900728826108964 <  
0.80798332885906 - 0.000533363808159001, VDDSHV1\_Power out of  
expected range: max-> 0.62870119993244 > 0.302971429530201 +  
0.00291851079147022 || min-> 0.61783768545283 < 0.302971429530201 -  
0.00291851079147022, VDDSHV2\_Power out of expected range: max->  
10.7702797562777 > 10.9505287315436 + 7.63151097665445 || min->  
1.50648375247674 < 10.9505287315436 - 7.63151097665445,  
VDDSHV3\_Power out of expected range: max-> 0.183406344810113 >  
0.163235677852349 + 0.00278255659292157 || min-> 0.1670173037255 <  
0.163235677852349 - 0.00278255659292157, VDDSHV4\_Power out of  
expected range: max-> 0.0858368139857553 > 0.0754215637583893 +  
0.00286706639272626 || min-> 0.0731804520396136 < 0.0754215637583893  
- 0.00286706639272626, VDDSHV5\_Power out of expected range: max->  
57.9114698856099 > 13.3998720604027 + 0.0655856135905121 || min->  
57.834689962586 < 13.3998720604027 - 0.0655856135905121,  
VDDSHV6\_Power out of expected range: max-> 40.7918488301339 >  
28.8503138389262 + 0.541336365210476 || min-> 38.8954956149983 <  
28.8503138389262 - 0.541336365210476, Total\_Power out of expected  
range: max-> 467.408964993756 > 444.356856442211 + 10.4166705591396  
|| min-> 455.405116669145 < 444.356856442211 - 10.4166705591396

### LOG PATH

#### **Test Case amsdkA-311: Idle power performance with PARTIAL\_WAKE\_LOCK**

Summary:

Acquire PARTIAL WakeLock and measure power w/out running any other application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 180.915951680875 > 197.601718711409 + 0.346883014972581 || min-> 179.967291454495 < 197.601718711409 - 0.346883014972581, VDD\_MPU\_Power out of expected range: max-> 56.8572069590017 > 43.9363563959732 + 0.531493944044334 || min-> 55.5836054503936 < 43.9363563959732 - 0.531493944044334, VDDS\_RTC\_Power out of expected range: max-> 0.798526578967569 > 0.82074455033557 + 0.000377411837537298 || min-> 0.796100394414368 < 0.82074455033557 - 0.000377411837537298, VDDS\_DDR\_Power out of expected range: max-> 48.6924049652181 > 74.0323534630872 + 0.742667383810922 || min-> 47.943773482709 < 74.0323534630872 - 0.742667383810922, VDDS\_Power out of expected range: max-> 3.38560353702341 > 1.66936420805369 + 0.162670367854285 || min-> 3.20459815879378 < 1.66936420805369 - 0.162670367854285, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.17437906904939 > 2.2787275704698 + 0.0292056174646004 || min-> 2.06814317580561 < 2.2787275704698 - 0.0292056174646004, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.09619451590021 > 1.67201220134228 + 0.0219781196195946 || min-> 1.95983945600988 < 1.67201220134228 - 0.0219781196195946, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86919096653772 > 1.83865213422819 + 0.000427638245511248 || min-> 1.8665666638447 < 1.83865213422819 - 0.000427638245511248, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5618682878417 > 14.2802327181208 + 0.00224501022755185 || min-> 14.5502870514108 < 14.2802327181208 - 0.00224501022755185, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.9159044125266 > 1.89733736912752 + 0.00061098684465872 || min-> 1.91304219545087 < 1.89733736912752 - 0.00061098684465872, VDDS\_OSC\_Power out of expected range: max-> 1.25000173296968 > 1.1797804295302 + 0.000665646061553857 || min-> 1.24682042118985 < 1.1797804295302 - 0.000665646061553857, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.8660396020423 > 36.2887799463087 + 0.0635310760772493 || min-> 32.6616765645263 < 36.2887799463087 - 0.0635310760772493, VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max-> 11.127045646888 > 8.36635204697986 + 0.00234588970379832 || min-> 11.1234657644657 < 8.36635204697986 - 0.00234588970379832, VDDA\_ADC\_Power out of expected range: max-> 0.902393185660505 > 0.808094201342282 + 0.000475776676252524 || min-> 0.900678182889489 < 0.808094201342282 - 0.000475776676252524, VDDSHV1\_Power out of expected range: max-> 0.628540764414379 > 0.303303436241611 + 0.00289081612044095 || min-> 0.615339547771955 < 0.303303436241611 - 0.00289081612044095, VDDSHV2\_Power out of expected range: max-> 11.1571263281206 > 10.864124852349 + 7.54082412725549 || min-> 1.69708605033566 < 10.864124852349 - 7.54082412725549, VDDSHV3\_Power out of expected range: max-> 0.17995986936801 > 0.163182624161074 + 0.00264478657744258 || min->

## testreport AM335x\_JB\_4.1

0.166495552928392 < 0.163182624161074 - 0.00264478657744258,  
VDDSHV4\_Power out of expected range: max-> 0.085927377479426 >  
0.0750445234899329 + 0.00292196323206024 || min-> 0.0743707699303612  
< 0.0750445234899329 - 0.00292196323206024, VDDSHV5\_Power out of  
expected range: max-> 57.9140891606243 > 13.4372828926174 +  
0.010267405063386 || min-> 57.8320085523637 < 13.4372828926174 -  
0.010267405063386, VDDSHV6\_Power out of expected range: max->  
40.8595263877428 > 29.0360864026846 + 0.29073688950108 || min->  
39.5711991050628 < 29.0360864026846 - 0.29073688950108, Total\_Power  
out of expected range: max-> 468.850448877527 > 444.445005984925 +  
10.1463956980612 || min-> 456.274408454611 < 444.445005984925 -  
10.1463956980612

### LOG PATH

#### **Test Case amsdkA-312: Dhrystone power performance with PARTIAL\_WAKE\_LOCK**

##### Summary:

Acquire PARTIAL WakeLock and measure power while running Dhrystone benchmark

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected  
range: max-> 180.655750987051 > 197.518063297297 + 0.176234810873706  
|| min-> 180.106691368978 < 197.518063297297 - 0.176234810873706,  
VDD\_MPU\_Power out of expected range: max-> 73.0351500720371 >  
44.1345165472973 + 1.62273109247758 || min-> 55.541815639275 <  
44.1345165472973 - 1.62273109247758, VDDS\_RTC\_Power out of expected  
range: max-> 0.797818268719853 > 0.820678466216216 +  
0.00038291019391217 || min-> 0.795854979869369 < 0.820678466216216 -  
0.00038291019391217, VDDS\_DDR\_Power out of expected range: max->  
51.5313007993389 > 73.9936355608108 + 0.551561445249131 || min->  
48.0368478390656 < 73.9936355608108 - 0.551561445249131,  
VDDS\_Power out of expected range: max-> 3.38493435833612 >  
1.66598678378378 + 0.167429472737479 || min-> 3.1928606883011 <  
1.66598678378378 - 0.167429472737479, VDDS\_SRAM\_CORE\_BG\_Power  
out of expected range: max-> 2.1626600912771 > 2.2729827972973 +  
0.0330256622752678 || min-> 2.05872803803418 < 2.2729827972973 -  
0.0330256622752678, VDDS\_SRAM\_MPU\_BB\_Power out of expected  
range: max-> 2.05221227852945 > 1.66871886486486 +  
0.0264946158731802 || min-> 1.94898519100879 < 1.66871886486486 -  
0.0264946158731802, VDDS\_PLL\_DDR\_Power out of expected range:  
max-> 1.86899198429082 > 1.83868754054054 + 0.000480805903858757 ||  
min-> 1.86630997883907 < 1.83868754054054 - 0.000480805903858757,  
VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max->  
14.5589246623749 > 14.2804788716216 + 0.0027506102298871 || min->  
14.5499455723345 < 14.2804788716216 - 0.0027506102298871,



VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91547404345451 > 1.89737666891892 + 0.000718482138404867 || min-> 1.91300687094097 < 1.89737666891892 - 0.000718482138404867, VDDS\_OSC\_Power out of expected range: max-> 1.25040951938665 > 1.17995902027027 + 0.000761092385011108 || min-> 1.24733268204134 < 1.17995902027027 - 0.000761092385011108, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.8117326080271 > 36.3440701351351 + 0.103139355962881 || min-> 32.708098729473 < 36.3440701351351 - 0.103139355962881, VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max-> 11.1296190108007 > 8.36634866216216 + 0.00262036028220296 || min-> 11.1218412482535 < 8.36634866216216 - 0.00262036028220296, VDDA\_ADC\_Power out of expected range: max-> 0.902663426691531 > 0.80804947972973 + 0.000538766921318468 || min-> 0.900933164335204 < 0.80804947972973 - 0.000538766921318468, VDDSHV1\_Power out of expected range: max-> 0.628349103433795 > 0.303731472972973 + 0.00341611248091523 || min-> 0.617346124251887 < 0.303731472972973 - 0.00341611248091523, VDDSHV2\_Power out of expected range: max-> 11.1577961939966 > 10.9027893918919 + 7.61586724371203 || min-> 1.54974366129703 < 10.9027893918919 - 7.61586724371203, VDDSHV3\_Power out of expected range: max-> 0.17712511303629 > 0.163207094594595 + 0.00318345269998294 || min-> 0.170555310513903 < 0.163207094594595 - 0.00318345269998294, VDDSHV4\_Power out of expected range: max-> 0.0860152150119845 > 0.0751553918918919 + 0.00287462070526128 || min-> 0.0759871514997066 < 0.0751553918918919 - 0.00287462070526128, VDDSHV5\_Power out of expected range: max-> 57.8967133433021 > 13.4363168108108 + 0.0116279657531932 || min-> 57.8465834880067 < 13.4363168108108 - 0.0116279657531932, VDDSHV6\_Power out of expected range: max-> 40.8276717222014 > 28.8703380878378 + 0.500345416082911 || min-> 39.0732579100075 < 28.8703380878378 - 0.500345416082911, Total\_Power out of expected range: max-> 473.189208745905 > 444.259267969388 + 10.1866015954425 || min-> 455.710150506996 < 444.259267969388 - 10.1866015954425

### LOG PATH

### **Test Case amsdkA-313: 3D Graphics power performance**

#### Summary:

Measure power while running 3D graphics application

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 180.806958251961 > 197.593550166667 + 1.28269131113093 || min-> 180.167032681977 < 197.593550166667 - 1.28269131113093, VDD\_MPU\_Power out of expected range: max-> 56.205069856939 > 43.8985831733333 + 0.489423822936822 || min-> 55.5453392513351 <

## testreport AM335x\_JB\_4.1

43.8985831733333 - 0.489423822936822, VDDS\_RTC\_Power out of expected range: max-> 0.798107779719044 > 0.82058026 + 0.00042200185954786 || min-> 0.796274382338895 < 0.82058026 - 0.00042200185954786, VDDS\_DDR\_Power out of expected range: max-> 48.6517936449641 > 73.99285498 + 0.55506701514118 || min-> 47.9538679197242 < 73.99285498 - 0.55506701514118, VDDS\_Power out of expected range: max-> 3.38232329341664 > 1.66403588 + 0.17322793129428 || min-> 3.18322071003536 < 1.66403588 - 0.17322793129428, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.18488476041523 > 2.26573983333333 + 0.0333823836309644 || min-> 2.05950373113717 < 2.26573983333333 - 0.0333823836309644, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.09859504907633 > 1.66763149333333 + 0.0480104411480614 || min-> 1.94222765315525 < 1.66763149333333 - 0.0480104411480614, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86908201158861 > 1.83852664 + 0.000441941616639196 || min-> 1.86616475801295 < 1.83852664 - 0.000441941616639196, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5606271709462 > 14.27977982 + 0.00264302058594065 || min-> 14.5483716238197 < 14.27977982 - 0.00264302058594065, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91569585838248 > 1.8971745 + 0.000604693402722436 || min-> 1.91309679969163 < 1.8971745 - 0.000604693402722436, VDDS\_OSC\_Power out of expected range: max-> 1.24973583164127 > 1.17998636 + 0.000770827553896377 || min-> 1.2473969006985 < 1.17998636 - 0.000770827553896377, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.9319356066127 > 36.3486069 + 0.0872607906001606 || min-> 32.671713476985 < 36.3486069 - 0.0872607906001606, VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max-> 11.1266248533197 > 8.36707932 + 0.00257234159680704 || min-> 11.1231867822286 < 8.36707932 - 0.00257234159680704, VDDA\_ADC\_Power out of expected range: max-> 0.902405292181019 > 0.808065506666667 + 0.000481470980702175 || min-> 0.900365422980973 < 0.808065506666667 - 0.000481470980702175, VDDSHV1\_Power out of expected range: max-> 0.626216246951214 > 0.303534833333333 + 0.00360996290656741 || min-> 0.618486549342332 < 0.303534833333333 - 0.00360996290656741, VDDSHV2\_Power out of expected range: max-> 11.1482705203348 > 10.9244987333333 + 7.67799518794495 || min-> 1.38616766756258 < 10.9244987333333 - 7.67799518794495, VDDSHV3\_Power out of expected range: max-> 0.180668262918236 > 0.162929013333333 + 0.0031944710351564 || min-> 0.168880798080697 < 0.162929013333333 - 0.0031944710351564, VDDSHV4\_Power out of expected range: max-> 0.083822350014227 > 0.075358953333333 + 0.00299913060744141 || min-> 0.0769139831114964 < 0.075358953333333 - 0.00299913060744141, VDDSHV5\_Power out of expected range: max-> 57.9178175524173 > 13.43763598 + 0.0138659331979291 || min-> 57.8348585462193 < 13.43763598 - 0.0138659331979291, VDDSHV6\_Power out of expected range: max-> 40.849530561396 > 28.5984010133333 + 0.801861299853663 || min-> 38.4742323424335 < 28.5984010133333 - 0.801861299853663, Total\_Power out of expected range: max-> 468.247993308391 > 443.849020949495 + 10.5753500758332

|| min-> 455.445817113939 < 443.849020949495 - 10.5753500758332

### LOG PATH

#### **Test Case amsdkA-314: Audio + Video power performance**

##### Summary:

Measure power while running video and audio decode and playback

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 181.499967472687 > 197.535864189189 + 1.03767554689149 || min-> 180.033681985358 < 197.535864189189 - 1.03767554689149, VDD\_MPU\_Power out of expected range: max-> 56.9231313039529 > 44.2498072094595 + 2.88947405472327 || min-> 55.5899524777162 < 44.2498072094595 - 2.88947405472327, VDDS\_RTC\_Power out of expected range: max-> 0.797912207464705 > 0.82056025 + 0.000365760327878011 || min-> 0.796369708375714 < 0.82056025 - 0.000365760327878011, VDDS\_DDR\_Power out of expected range: max-> 48.6357821125644 > 73.9566526621622 + 0.546155115071826 || min-> 47.9140205032955 < 73.9566526621622 - 0.546155115071826, VDDS\_Power out of expected range: max-> 3.38779033908852 > 1.65810640540541 + 0.174397250733646 || min-> 3.17859723388883 < 1.65810640540541 - 0.174397250733646, VDDS\_SRAM\_CORE\_BG\_Power out of expected range: max-> 2.14817881533493 > 2.26064121621622 + 0.0308920821351823 || min-> 2.0557063299775 < 2.26064121621622 - 0.0308920821351823, VDDS\_SRAM\_MPU\_BB\_Power out of expected range: max-> 2.04811838337127 > 1.66056928378378 + 0.0265461676601804 || min-> 1.94438927165077 < 1.66056928378378 - 0.0265461676601804, VDDS\_PLL\_DDR\_Power out of expected range: max-> 1.86874959124334 > 1.83856360810811 + 0.000387940605286525 || min-> 1.86606240802389 < 1.83856360810811 - 0.000387940605286525, VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max-> 14.5574417691524 > 14.27912075 + 0.00229436469954778 || min-> 14.5476273363278 < 14.27912075 - 0.00229436469954778, VDDS\_PLL\_MPU\_Power out of expected range: max-> 1.91550715460056 > 1.89702913513514 + 0.000601281903318155 || min-> 1.91283612744238 < 1.89702913513514 - 0.000601281903318155, VDDS\_OSC\_Power out of expected range: max-> 1.25047676763732 > 1.18013685810811 + 0.000692171673746743 || min-> 1.24644292205083 < 1.18013685810811 - 0.000692171673746743, VDDA\_1P8V\_USB0\_1\_Power out of expected range: max-> 32.8499983313764 > 36.3356911283784 + 0.0887442253202764 || min-> 32.7164016116962 < 36.3356911283784 - 0.0887442253202764, VDDS\_A3P3V\_USB0\_1\_Power out of expected range: max-> 11.1275201791413 > 8.36731358783784 + 0.00222810140330379 || min-> 11.123619756917 < 8.36731358783784 -

0.00222810140330379, VDDA\_ADC\_Power out of expected range: max-> 0.902428970411703 > 0.808184858108108 + 0.000486543179535703 || min-> 0.901075877692914 < 0.808184858108108 - 0.000486543179535703, VDDSHV1\_Power out of expected range: max-> 0.630505262186048 > 0.304475939189189 + 0.00286850516838353 || min-> 0.619740747059292 < 0.304475939189189 - 0.00286850516838353, VDDSHV2\_Power out of expected range: max-> 11.1582693042471 > 10.7109903108108 + 7.71827923137206 || min-> 1.35172725072302 < 10.7109903108108 - 7.71827923137206, VDDSHV3\_Power out of expected range: max-> 0.18163695523828 > 0.163953560810811 + 0.00316445482021883 || min-> 0.167884807581756 < 0.163953560810811 - 0.00316445482021883, VDDSHV4\_Power out of expected range: max-> 0.0882327247409454 > 0.0757711081081081 + 0.00290600838783001 || min-> 0.0773437949496069 < 0.0757711081081081 - 0.00290600838783001, VDDSHV5\_Power out of expected range: max-> 57.904299608014 > 13.4332454662162 + 0.0131790826982069 || min-> 57.8405747675369 < 13.4332454662162 - 0.0131790826982069, VDDSHV6\_Power out of expected range: max-> 40.8393229742709 > 28.5889301013514 + 0.836546113033046 || min-> 38.3274656307436 < 28.5889301013514 - 0.836546113033046, Total\_Power out of expected range: max-> 469.012512179773 > 443.797807409091 + 10.6408955101754 || min-> 454.64778355463 < 443.797807409091 - 10.6408955101754

#### LOG PATH

### 3.7.6 Test Suite : Suspend mode

#### **Test Case amsdkA-335: SUSPEND MODE power consumption sleep\_while\_idle disabled and enable\_off\_mode disabled**

##### Summary:

Measure power while system is in SUSPEND mode

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected, VDD\_CORE\_Power out of expected range: max-> 2.87069055265506 > 2.50648427272727 + 0.0569347519957989 || min-> 2.33867638557728 < 2.50648427272727 - 0.0569347519957989, VDD\_MPU\_Power out of expected range: max-> 0.581429398562984 > 0.28408503030303 + 0.00778398422122113 || min-> 0.415390464331449 < 0.28408503030303 - 0.00778398422122113, VDDS\_RTC\_Power out of expected range: max-> 0.0713132992370876 > 0.0694275252525253 + 0.000176559918915753 || min-> 0.0686908904816532 < 0.0694275252525253 - 0.000176559918915753, VDDS\_DDR\_Power out of expected range: max-> 0.0227036195639007 >

## testreport AM335x\_JB\_4.1

0.0280935252525253 + 0.00204447999897104 || min-> 0.0136558527859209  
< 0.0280935252525253 - 0.00204447999897104, VDDS\_Power out of  
expected range: max-> 1.33736510963898 > 0.635833141414141 +  
0.00175083555276343 || min-> 1.33115497959328 < 0.635833141414141 -  
0.00175083555276343, VDDS\_SRAM\_CORE\_BG\_Power out of expected  
range: max-> 1.18646546254713 > 1.05033515151515 +  
0.0157657856341021 || min-> 1.06518880555367 < 1.05033515151515 -  
0.0157657856341021, VDDS\_SRAM\_MPU\_BB\_Power out of expected  
range: max-> 0.0098113389907473 > 0.0089302222222222 +  
0.000170891274395191 || min-> 0.00880793386719659 <  
0.0089302222222222 - 0.000170891274395191, VDDS\_PLL\_DDR\_Power  
out of expected range: max-> 0.00146046995898934 > 0.00082359595959596  
+ 0.000222400627623175 || min-> 5.41252108835066e-05 <  
0.00082359595959596 - 0.000222400627623175,  
VDDS\_PLL\_CORE\_LCD\_Power out of expected range: max->  
0.00149902800751319 > 0.000953080808080808 + 0.000203842184693367 ||  
min-> 0.000664835552624408 < 0.000953080808080808 -  
0.000203842184693367, VDDS\_PLL\_MPU\_Power out of expected range:  
max-> 0.00115510164672103 > 0.000976919191919192 +  
0.000214696281764314 || min-> 0.000426525902496816 <  
0.000976919191919192 - 0.000214696281764314, VDDS\_OSC\_Power out  
of expected range: max-> 0.00117004163028197 > 0.000768454545454545 +  
0.00021519529681186 || min-> 0.000508407156607083 <  
0.000768454545454545 - 0.00021519529681186,  
VDDA\_1P8V\_USB0\_1\_Power out of expected range: max->  
0.00355719130122544 > 0.00244764646464646 + 0.000348373064551093 ||  
min-> 0.0012840720067161 < 0.00244764646464646 -  
0.000348373064551093, VDDS\_A3P3V\_USB0\_1\_Power out of expected  
range: max-> 0.0718322442274631 > 0.0704386767676768 +  
0.000301166213794121 || min-> 0.0702783973054934 <  
0.0704386767676768 - 0.000301166213794121, VDDA\_ADC\_Power out of  
expected range: max-> 0.905795939142314 > 0.810069272727273 +  
0.000610828540887715 || min-> 0.902738704024762 < 0.810069272727273 -  
0.000610828540887715, VDDSHV1\_Power out of expected range: max->  
0.353870896335262 > 0.311604202020202 + 0.00355468511186062 || min->  
0.343908300198431 < 0.311604202020202 - 0.00355468511186062,  
VDDSHV2\_Power out of expected range: max-> 0.0841171238792177 >  
0.070963202020202 + 0.00366613284683042 || min-> 0.0675384560878234  
< 0.070963202020202 - 0.00366613284683042, VDDSHV3\_Power out of  
expected range: max-> 0.128732134661166 > 0.112785080808081 +  
0.00288385577414296 || min-> 0.115489293735457 < 0.112785080808081 -  
0.00288385577414296, VDDSHV4\_Power out of expected range: max->  
0.0909420114053478 > 0.077104696969697 + 0.00312936196129282 ||  
min-> 0.0771186734292599 < 0.077104696969697 - 0.00312936196129282,  
VDDSHV5\_Power out of expected range: max-> 0.227718332011811 >  
0.212457272727273 + 0.00302341080474283 || min-> 0.215389128531278 <  
0.212457272727273 - 0.00302341080474283, VDDSHV6\_Power out of  
expected range: max-> 17.0205049339416 > 1.50439507070707 +  
0.00560307131017333 || min-> 16.9030632629697 < 1.50439507070707 -  
0.00560307131017333, Total\_Power out of expected range: max->

24.8154950051174 > 7.75897605050505 + 0.0670577820603518 || min->  
24.1016060313883 < 7.75897605050505 - 0.0670577820603518

LOG PATH

**Test Case amsdkA-336: SUSPEND MODE power consumption sleep\_while\_idle enabled  
and enable\_off\_mode enabled**

Summary:

Measure power while system is in SUSPEND mode

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Power Performance data collected Performance data was NOT compared

LOG PATH

## 3.8 Test Suite : WLAN

Measure wireless LAN performance using NETPERF.

The Setup involves connecting the DUT to an access point that has a Linux system connected to it via Ethernet switch. Netserver is run at the Linux Host, while netperf is run at the DUT.

More information about NETPERF is available at <http://www.netperf.org/netperf/NetperfPage.html>

### 3.8.1 Test Suite : Non-secure

**Test Case amsdkA-292: WLAN Non-secure, TCP Stream,  
Buffer size 1024**

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server  
(Running on Host PC) and Client (Android DUT).

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-293: WLAN Non-secure, TCP Stream,  
Buffer size 4096**

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-294: WLAN Non-secure, TCP Stream,  
Buffer size 8192**

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-894: WLAN Non-secure, TCP Stream,  
Buffer size 16 KB**

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-895: WLAN Non-secure, TCP Stream,  
Buffer size 32 KB**

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-896: WLAN Non-secure, TCP Stream,  
Buffer size 64 KB**

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-897: WLAN Non-secure, TCP Stream,  
Buffer size 128 KB**

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## **3.8.2 Test Suite : WEP 40 bits**

**Test Case amsdkA-295: WLAN WEP 40 bits, TCP Stream,  
Buffer size 1024**

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-296: WLAN WEP 40 bits, TCP Stream,  
Buffer size 4096**

Summary:



WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-297: WLAN WEP 40 bits, TCP Stream,  
Buffer size 8192**

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-898: WLAN WEP 40 bits, TCP Stream,  
Buffer size 16 KB**

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-899: WLAN WEP 40 bits, TCP Stream,  
Buffer size 32 KB**

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-900: WLAN WEP 40 bits, TCP Stream,  
Buffer size 64 KB**

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-901: WLAN WEP 40 bits, TCP Stream,  
Buffer size 128 KB**

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

### 3.8.3 Test Suite : WEP 128 bits

**Test Case amsdkA-298: WLAN WEP 128 bits, TCP Stream,  
Buffer size 1024**

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-299: WLAN WEP 128 bits, TCP Stream,  
Buffer size 4096**

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-300: WLAN WEP 128 bits, TCP Stream,  
Buffer size 8192**

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between  
Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-902: WLAN WEP 128 bits, TCP Stream,  
Buffer size 16 KB**

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between  
Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-903: WLAN WEP 128 bits, TCP Stream,  
Buffer size 32 KB**

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between  
Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-904: WLAN WEP 128 bits, TCP Stream,  
Buffer size 64 KB**

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between  
Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-905: WLAN WEP 128 bits, TCP Stream,  
Buffer size 128 KB**

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

## 3.8.4 Test Suite : WPA-PSK

**Test Case amsdkA-301: WLAN WPA-PSK, TCP Stream,  
Buffer size 1024**

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-302: WLAN WPA-PSK, TCP Stream,  
Buffer size 4096**

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

**Test Case amsdkA-303: WLAN WPA-PSK, TCP Stream,  
Buffer size 8192**

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-906: WLAN WPA-PSK, TCP Stream,  
Buffer size 16 KB**

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-907: WLAN WPA-PSK, TCP Stream,  
Buffer size 32 KB**

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-908: WLAN WPA-PSK, TCP Stream,  
Buffer size 64 KB**

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-909: WLAN WPA-PSK, TCP Stream,  
Buffer size 128 KB**

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## 3.8.5 Test Suite : WPA2-PSK

### **Test Case amsdkA-304: WLAN WPA2-PSK, TCP Stream, Buffer size 1024**

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-305: WLAN WPA2-PSK, TCP Stream, Buffer size 4096**

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-306: WLAN WPA2-PSK, TCP Stream, Buffer size 8192**

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-910: WLAN WPA2-PSK, TCP Stream,  
Buffer size 16 KB**

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-911: WLAN WPA2-PSK, TCP Stream,  
Buffer size 32 KB**

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-912: WLAN WPA2-PSK, TCP Stream,  
Buffer size 64 KB**

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-913: WLAN WPA2-PSK, TCP Stream,  
Buffer size 128 KB**

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

## 3.9 Test Suite : Imbench

### Test Case amsdkA-1073: LMBench test

Summary:

LMBench test.

Last Result: **Failed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

Testing notes Imbench data collected successfully , bw\_mem-wr-1MB: 877.64 < 986.72, bw\_mem-fwr-1MB: 876.58 < 989.97, bw\_mem-frd-1MB: 240.37 < 260.76, bw\_mem-bzero-1MB: 885.66 < 1100.76, bw\_mem-bcopy-1MB: 155.32 < 163.84, bw\_file\_rd-io-1MB: 181.06 < 195.08, lat\_mem\_rd-stride128-sz1000K: 267.434 > 251.734, lat\_syscall-stat: 7.979 > 5.4485, lat\_syscall-open: 11.7191 > 9.0055

LOG PATH

## 3.10 Test Suite : Netperf

Tool to measure TCP/UDP bandwidth.

More information available at <http://www.netperf.org/netperf/NetperfPage.html>

### 3.10.1 Test Suite : TCP

TCP bandwidth

#### Test Case amsdkA-105: TCP Stream, Buffer size 16 KB

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Failed**

Build 2012-9-26



Tester gt\_amsdk\_lead

**Test Case amsdkA-106: TCP Stream, Buffer size 32 KB**

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

**Test Case amsdkA-107: TCP Stream, Buffer size 64 KB**

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

**Test Case amsdkA-108: TCP Stream, Buffer size 128 KB**

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

**Test Case amsdkA-109: TCP Stream, Buffer size 256**

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

### Test Case amsdkA-110: TCP Stream, Buffer size 512

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

### Test Case amsdkA-111: TCP Stream, Buffer size 1024

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

### Test Case amsdkA-112: TCP Stream, Buffer size 4096

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Failed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput ["4096"] {"""=>121.49} , cpu\_load out of expected range: max-> 97.9899497487437 > 68.8678133367478 + 25.9450749462114  
|| min-> 87.8306878306878 < 68.8678133367478 - 25.9450749462114

LOG PATH

### Test Case amsdkA-113: TCP Stream, Buffer size 8192

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

Testing notes      Buffer Size Throughput ["8192"] {""=>">130.66} Performance data was NOT compared

LOG PATH

## 3.10.2 Test Suite : UDP

### **Test Case amsdkA-1074: UDP Stream, Buffer size 16 KB**

Summary:

Measures UDP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result:      **Passed**

Build              2012-10-15-4.1.2

Tester             gt\_amsdk\_lead

### **Test Case amsdkA-1075: UDP Stream, Buffer size 32 KB**

Summary:

Measures UDP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result:      **Passed**

Build              2012-10-15-4.1.2

Tester             gt\_amsdk\_lead

### **Test Case amsdkA-1076: UDP Stream, Buffer size 64 KB**

Summary:

Measures UDP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result:      **Passed**

Build              2012-10-15-4.1.2

Tester             gt\_amsdk\_lead

### **Test Case amsdkA-1077: UDP Stream, Buffer size 128 KB**

Summary:

Measures UDP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-1078: UDP Stream, Buffer size 256**

Summary:

Measures UDP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-1079: UDP Stream, Buffer size 512**

Summary:

Measures UDP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-1080: UDP Stream, Buffer size 1024**

Summary:

Measures UDP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-1081: UDP Stream, Buffer size 4096**

Summary:

Measures UDP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-1082: UDP Stream, Buffer size 8192**

Summary:

Measures UDP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## 3.11 Test Suite : Graphics

**Test Case amsdkA-1505: IMG's OGLES2ChameleonMan FPS performance**

Summary:

Measure FPS of IMG OGLES2ChameleonMan demo

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-1506: IMG's OGLES2Coverflow FPS performance**

Summary:

Measure FPS of IMG OGLES2Coverflow demo

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-1507: IMG's OGLES2Shaders FPS performance**

Summary:

Measure FPS of IMG OGLES2Shaders demo

Last Result: **Passed**

Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-1508: IMG's OGLESVase FPS performance**

Summary:  
Measure FPS of IMG OGLESVase demo  
Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## 4 Test Suite : Stress

### 4.1 Test Suite : power\_long\_term

**Test Case amsdkA-1053: Long term Suspend Resume stress test**

Summary:  
  
This test cases to stress the platform by cycling through suspend-resume states for a number of iteration.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-1055: Long term graphic\_suspend\_resume**

Summary:  
  
This test case is to very that graphic continue running after system resumes from suspend.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-1056: Long term ethernet\_suspend\_resume**

Summary:

This test case is to verify that ethernet continues running after system resumes from suspend.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Suspend-Resume Stress Test=100.0

LOG PATH

**Test Case amsdkA-1057: Long term wlan\_suspend\_resume**

Summary:

This test case is to verify that wlan continues running after system resumes from suspend.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Suspend-Resume Stress Test=100.0

LOG PATH

**Test Case amsdkA-1058: Long term video\_suspend\_resume**

Summary:

This test case is to verify that video continues running after system resumes from suspend.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Suspend-Resume Stress Test=100.0

LOG PATH

**Test Case amsdkA-1059: Long term mmc\_suspend\_resume**

Summary:

This test case is to verify that, MMC function properly after system resume.

Last Result: **Passed**  
Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead  
Testing notes Suspend-Resume Stress Test=100.0

LOG PATH

**Test Case amsdkA-1060: Long term usb suspend resume**

Summary:

Test case verifies that usb continue to function properly after resmume.

Last Result: **Failed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes undefined method `[]' for nil:NilClass

LOG PATH

## 4.2 Test Suite : Monkey

Monkey tool

**Test Case amsdkA-307: Monkey System Stress**

Summary:

Stress Test the system using the monkey tool

Last Result: **Failed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Crash(es) reported for [{"com.android.speechrecorder", "pid 1043", "java.lang.UnsatisfiedLinkError:"}] No response(s) reported []

LOG PATH

## 4.3 Test Suite : wireless

**Test Case amsdkA-599: wifi\_data and Video/audio playing for long time**

Summary:

Data is send over the wireless while video is playing.



Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

**Test Case amsdkA-594: bluetooth**

Summary:

This stress test case, stress the system by enabling and disabling bluetooth interface 1000 times and verifying connectivity.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

**Test Case amsdkA-595: wifi\_open**

Summary:

This test case stress the system by enabling , configuring and checking connectivity and finally disabling for 1000 times.

This is non secure connection setup.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

**Test Case amsdkA-596: wifi\_wpa-psk**

Summary:

This test case stresses the system by enabling, configuring , checking connectivity and finally disabling for 1000 times.

This is WPA-PSK enabled communication. This test should run with 100% success.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

**Test Case amsdkA-597: wifi\_open and bluetooth**

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

**Test Case amsdkA-598: wifi\_wpa-psk and bluetooth**

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

## 4.4 Test Suite : power

**Test Case amsdkA-600: Short time Suspend Resume stress test**

Summary:

This test cases to stress the platform by cycling through suspend-resume states for a number of iteration.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Success Suspend-Resume Stress Test=100.0

LOG PATH

**Test Case amsdkA-788: graphic\_suspend\_resume**

Summary:

This test case is to verify that graphic continues running after system resumes from suspend.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-789: ethernet\_suspend\_resume**

Summary:

This test case is to verify that ethernet continues running after system resumes from suspend.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Suspend-Resume Stress Test=100.0

LOG PATH

**Test Case amsdkA-790: wlan\_suspend\_resume**

Summary:

This test case is to verify that wlan continues running after system resumes from suspend.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Suspend-Resume Stress Test=100.0

LOG PATH

**Test Case amsdkA-791: video\_suspend\_resume**

Summary:

This test case is to verify that video continues running after system resumes from suspend.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Suspend-Resume Stress Test=100.0

LOG PATH

**Test Case amsdkA-792: mmc suspend resume**

Summary:

This test case is to verify that, MMC function proporely after system resume.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Suspend-Resume Stress Test=100.0

LOG PATH

**Test Case amsdkA-793: usb suspend resume**

Summary:

Test case verifies that usb continue to function properly after resmume.

Last Result: **Failed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## 4.5 Test Suite : media

**Test Case amsdkA-670: Android Music Play**

Summary:

This test case stress music play application.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-671: Android Video play**

Summary:

This test case stress the video play application.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

## **4.6 Test Suite : Browser**

Browser Stress test

### **Test Case amsdkA-602: Browser Stres test**

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## **4.7 Test Suite : Graphics**

Graphics related stress test.

### **Test Case amsdkA-603: Graphics Stress Test**

Summary:

This test case stress the system by running all graphics application for a number of iteration.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Graphics Stress Test=100.0

LOG PATH

### **Test Case amsdkA-604: Graphics and Audio Stress Test**

Summary:

This test case stresses the system by running all graphics applications and music.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-605: Graphics and Video Stress Test**

Summary:

The test cases stresses the system running graphics and video applications.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-606: Graphics and Audio and video Stress Test**

Summary:

This test case stress the system by running graphics, video and audio application.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Graphics Stress Test=100.0

LOG PATH

## **4.8 Test Suite : LAN**

Stress test area for LAN

#### **Test Case amsdkA-607: LAN\_data and Video/audio playing for long time**

Summary:

Data is send over the LAN while video is playing.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

**Test Case amsdkA-663: 2-hr Network Stream Test**

Summary:

Network Stream test

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes All streams played successfully

LOG PATH

**Test Case amsdkA-759: 5-min WLAN No Security Stream Test**

Summary:

WLAN No Security Stream Test

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes All streams played successfully

LOG PATH

**Test Case amsdkA-763: 5-min Network Stream Test**

Summary:

Network Stream test

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes All streams played successfully

LOG PATH

**Test Case amsdkA-768: 2-hr WLAN No Security Stream Test**

Summary:

#### WLAN No Security Stream Test

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes All streams played successfully

LOG PATH

## 4.9 Test Suite : Device IO

### Test Case amsdkA-1067: 2-hr File copy Stress test between peripherals

Summary:

File copy Stress test between peripherals, this test verifies multiple file copies between board peripherals for a long period of time

Last Result: **Failed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

## 4.10 Test Suite : wireless\_long\_term

### Test Case amsdkA-1046: Long term wifi\_wpa-psk and bluetooth

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

### Test Case amsdkA-1045: Long term wifi\_open and bluetooth

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead



### **Test Case amsdkA-1044: Long term bluetooth**

#### **Summary:**

This stress test case, stress the system by enabling and disabling bluetooth interface 1000 times and verifying connectivity.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-1039: Long term wifi\_open**

#### **Summary:**

This test case stress the system by enabling , configuring and checking connectivi and finally disabling for 1000 times.

This is non secure connection setup.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-1038: Long term wifi\_wpa-psk**

#### **Summary:**

This test case stresses the stystem by enabling, configuring , checking connectivity and finally disabling for 1000 times.

This is WPA-PSK enabled communication. This test should run with 100% success.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

#### **LOG PATH**

### **Test Case amsdkA-1047: Long term wifi\_data and Video/audio playing for long time**

#### **Summary:**

Data is send over the wireless while video is playing.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead  
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

## 4.11 Test Suite : graphics\_long\_term

### **Test Case amsdkA-1051: Long term Graphics and Audio and video Stress Test**

Summary:

This test case stress the system by running graphics, video and audio application.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-1050: Long term Graphics and Video Stress Test**

Summary:

The test cases stresses the system running graphics and video applications.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Graphics Stress Test=100.0

LOG PATH

### **Test Case amsdkA-1049: Long term Graphics and Audio Stress Test**

Summary:

This test case stresses the system by running all graphics applications and music.

Last Result: **Passed**

Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Graphics Stress Test=100.0

LOG PATH

**Test Case amsdkA-1048: Long term Graphics Stress Test**

Summary:

This test case stress the system by running all graphics application for a number of iteration.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead  
Testing notes Graphics Stress Test=100.0

LOG PATH

## 5 Test Suite : Documentation

**Test Case amsdkA-54: DevKit Users Guide**

Summary:

Verify that a DevKit Users Guide document is provided

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-55: Release Notes**

Summary:

Verify that a Release Notes are provided

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-56: Porting Guide**

Summary:

Verify that an Android Rowboat Porting Guide document is provided

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-57: CTS Report**

Summary:

Verify that a CTS report is provided

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-58: DevKit Test Report**

Summary:

Verify that a DevKit Test Report is provided

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-72: Eclipse Setup**

Summary:

Verify that procedure to setup Eclipse for Android development is provided or referenced in the DevKit documentation

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

**Test Case amsdkA-73: ADB over Ethernet Setup**

Summary:

Verify that the procedure to setup Android Debug Bridge (ADB) over Ethernet is provided or referenced in the DevKit

documentation

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-74: ADB over USB Setup**

Summary:

Verify that the procedure to setup Android Debug Bridge (ADB) over USB is provided or referenced in the DevKit documentation

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-75: ADB .apk File Download**

Summary:

Verify that procedure to download .apk files using ADB is documented

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-76: Eclipse APK File Download**

Summary:

Verify that procedure to download .apk files using Eclipse is documented

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-78: DevKit Developers Guide**

Summary:

Verify that a DevKit Developers Guide document is provided

Last Result: **Passed**  
Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

#### Test Case amsdkA-81: Document Format

Summary:

Verify that all documents follow consistent template for same/similar information

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## 6 Test Suite : Kitting

#### Test Case amsdkA-53: DevKit Content

Summary:

Devkit content should be complete (see expected results section)

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

#### Test Case amsdkA-77: Android Devkit apk file

Summary:

Verify that Android Package (.apk) file is provided for the DevKit

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

#### Test Case amsdkA-79: Download Page

Summary:

Verify that the DevKit installer is distributed from TI's download page and that md5 checksums are provided for all the downloadable files

Last Result: **Passed**  
Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-80: arowboat.org Download Link**

Summary:

Verify that a link to TI's product download page is provided on arowboat.org

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

## **7 Test Suite : Functionality**

Functional Test cases

### **7.1 Test Suite : System**

#### **Test Case amsdkA-70: System boot**

Summary:

Verify that DUT boots fine w/ provided x-loader, u-boot, uImage and root filesystem

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-71: System boot w/ console**

Summary:

Verify that DUT boots fine w/ provided x-loader, u-boot, uImage and root filesystem and upon booting the Android console is available in the UART port

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

### Test Case amsdkA-86: OOB Demos

#### Summary:

Validate that the system provides icons to Demo Apps in the wallpaper upon booting

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

### Test Case amsdkA-87: RootFS over NFS

#### Summary:

Validate that the DUT boots fine when using root filesystem over NFS

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## 7.2 Test Suite : Bluetooth

### Test Case amsdkA-669: BT-Stream music to bluetooth stereo headset

#### Summary:

Stream music to bluetooth stereo headset via A2DP profile

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

### Test Case amsdkA-477: Bluetooth Object push

#### Summary:

Verify that you can transfer files to the device via a bluetooth connection

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead



**Test Case amsdkA-887: BT-Verify that HID devices are working as expected**

Summary:

Verify that BT HID devices mouse and/or keyboard are recognized by the EVM and are working as expected

Last Result: **Passed**

Build 2012-10-15-4.1.2

Tester gt\_amsdk\_lead

## 7.3 Test Suite : WLAN

**Test Case amsdkA-929: Verify softAP functionality**

Summary:

Verify that the device can be configured as a soft Access Point

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Can not tether via eVM

**Test Case amsdkA-930: Verify Wifi Direct functionality**

Summary:

Verify Wifi direct functionality in the device

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

## 7.4 Test Suite : Media/Picture Transfer Protocol (MTP, PTP)

**Test Case amsdkA-1504: Media Transfer Protocol**

Summary:

Verify that MTP functionality is working on the device

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-1509: Picture Transfer Protocol**

Summary:

Verify that PTP functionality is working on the device

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

## **7.5 Test Suite : Graphics**

#### **Test Case amsdkA-764: 3DAnimation**

Summary:

Run the Animation3D.apk which is located on  
gtautoftp/android/common/cdd\_app.

This application demonstrates 3d graphics with animation.

Last Result: **Passed**  
Build 2012-10-15-4.1.2  
Tester gt\_amsdk\_lead

## **8 Test Suite : Miscellaneous**

This test area list different kinds of test cases.

#### **Test Case amsdkA-610: Music application lists songs.**

Summary:

Music application lists songs based on artists, genre and displays  
album graphic.

Last Result: **Passed**  
Build 2012-9-26

Tester gt\_amsdk\_lead

**Test Case amsdkA-611: Music application lists Songs from External Storage and Recorded**

Summary:

Music application lists Songs from External Storage and Recorded Sounds.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-612: Camera will be part of Android DevKit core applications**

Summary:

Camera will be part of Android DevKit core applications.

Last Result: **Failed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-613: Dev Tools will be part of Android DevKit core applications**

Summary:

Dev Tools will be part of Android DevKit core applications.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-614: ICONS for standard applications will be placed on main window**

Summary:

ICONS for standard applications will be placed on main window.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-615: Security will be turned ON in Android Layer**

Summary:

Security will be turned ON in Android Layer

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-617: Android DevKit should contain Sources for Linux Kernel**

Summary:

Android DevKit should contain Sources for Linux Kernel

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-618: The DevKit installer should work on a ubuntu Linux host machine**

Summary:

The DevKit installer should work on a ubuntu Linux host machine

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-619: Links to support infrastructure on e2e and rowboat to be provided**

Summary:

Links to support infrastructure on e2e and rowboat to be provided

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-620: Email will be part of Android DevKit  
core applications**

Summary:

Email will be part of Android DevKit core applications

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-621: Links to raise defects against this  
release should be provided**

Summary:

Links to raise defects against this release should be provided

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-622: Customers should be notified about  
devkit release through TI news, infolink, android porting  
mailing**

Summary:

Customers should be notified about devkit release through TI  
news, infolink, android porting mailing

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-624: Calendar will be part of Android  
DevKit core applications**

Summary:

Calendar will be part of Android DevKit core applications.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-625: Android home screen contains  
Launcher -**

Summary:

Android home screen contains Launcher - gateway to all applications

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-626: Android home screen contains Global  
Search Bar**

Summary:

Android home screen contains Global Search Bar

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-627: Android Home Screen contains Tips  
widget to give important Tips**

Summary:

Android Home Screen contains Tips widget to give important Tips

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-628: Additional Widgets can be added to  
Home Screen by a long press on**

Summary:

Additional Widgets can be added to Home Screen by a long press on the Blank area of Home Screen

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-629: Multiple Home Screen (5 Screens)**

Summary:

Multiple Home Screen (5 Screens)

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-630: Slidable Status bar**

Summary:

Slidable Status bar Indicating Time, System Events on top of the Home Screen

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-631: Wallpaper can be changed**

Summary:

Wallpaper can be changed by pressing long on the Blank area of Home Screen

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-632: Keypad contains HOME, BACK, POWER and MENU Keys.**

Summary:

Keypad contains HOME, BACK, POWER and MENU Keys.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-633: Gallery will be part of Android DevKit core applications**

Summary:

Gallery will be part of Android DevKit core applications

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-634: Launcher will be part of Android DevKit core applications**

Summary:

Launcher will be part of Android DevKit core applications

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-635: Global Search will be part of Android DevKit core applications**

Summary:

Global Search will be part of Android DevKit core applications

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-636: Settings application helps to configure Sound, Display and various OOB settings**

Summary:

Settings application helps to configure Sound, Display and various OOB settings

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

## 9 Test Suite : Control/informative

**Test Case amsdkA-638: Hardware Volume Controls**



Summary:

Android DevKit supports Hardware Volume Controls

Last Result: **Failed**

Build 2012-9-26

Tester gt\_amsdk\_lead

Testing notes Volume down not working

## 10 Test Suite : IO

IO related manual test cases.

### Test Case amsdkA-642: Android DevKit supports Touchscreen

Summary:

Android DevKit supports Touchscreen

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

### Test Case amsdkA-643: Android DevKit supports Mouse

Summary:

Android DevKit supports Mouse

Last Result: **Passed**

Build 2012-9-26

Tester gt\_amsdk\_lead

## 11 Test Suite : Processor Speed

### Test Case amsdkA-647: Android DevKit supports Cortex A8 ARM up to Maximum Frequency

Summary:

Android DevKit supports Cortex A8 ARM up to Maximum Frequency.

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead

**Test Case amsdkA-648: Android DevKit supports SGX up to  
Maximum Frequency**

Summary:

Android DevKit supports SGX up to Maximum Frequency

Last Result: **Passed**  
Build 2012-9-26  
Tester gt\_amsdk\_lead