

Texas Instruments  
amsdk\_android

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AM389x\_Gingerbread\_2.3\_Devkit\_2.0

Test Report

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## 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	2011-04-20
Tester	gt_amsdk_lead

## 2 Test Suite : Compatibility

### 2.1 Test Suite : Development Tools

#### 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 2011-04-07  
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: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

### 2.2 Test Suite : Multimedia

#### 2.2.1 Test Suite : Audio

##### 2.2.1.1 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 Format is 3GPP (.3gp) and MPEG-4 (.mp4, .m4a). No support for raw AAC (.aac)



Last Result: **Passed**  
Build 2011-04-07  
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 2011-04-07  
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 2011-04-07  
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 2011-04-07  
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 2011-04-07  
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 2011-04-07  
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 2011-04-07  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-35: Ogg Vorbis**

Summary:

Ogg Vorbis files in a Ogg (.ogg) container

Last Result: **Passed**  
Build 2011-04-07  
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 2011-04-07  
Tester gt\_amsdk\_lead

## **2.2.2 Test Suite : Image**

## 2.2.2.1 Test Suite : Decode

### Test Case amsdkA-39: JPEG

Summary:

Display JPEG files using the Gallery app.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

### Test Case amsdkA-40: PNG

Summary:

Display PNG image with Galllery app.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

### Test Case amsdkA-41: GIF

Summary:

Display GIF image with Gallery app.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

### Test Case amsdkA-42: BMP

Summary:

Display BMP Image with Gallery app.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

## 2.2.3 Test Suite : Video

### 2.2.3.1 Test Suite : Decode

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

Summary:

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

Last Result: **Failed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes video quality very low.

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

Summary:

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

Last Result: **Failed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes video quality very low.

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

Summary:

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

Last Result: **Failed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes video quality very low.

## 3 Test Suite : Performance

### 3.1 Test Suite : System

#### Test Case amsdkA-49: Simultaneous Applications

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

#### 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: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

## 3.2 Test Suite : 0xBench

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

Summary:

0xBench Math Linpack test.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes MathLinpack performance data collected successfully

LOG PATH

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

Summary:

0xBench Math Scimark2 test.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes MathScimark2 performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Canvas test.

Last Result: **Passed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes 2DDrawCanvas performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Circle test.

Last Result: **Passed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes 2DDrawCircle performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Circle2 test.

Last Result: **Failed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes Could not install PACKAGE: org.zerolab.benchmark.test

LOG PATH

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

Summary:

0xBench 2D Draw Rect test.

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes 2DDrawRect performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Arc test.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes 2DDrawArc performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Image test.

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes 2DDrawImage performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Text test.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes 2DDrawText performance data collected successfully

LOG PATH

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

Summary:

0xBench 3D OpenGL Cube test.

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes 3DOpenGLCube performance data collected successfully

LOG PATH

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

Summary:

0xBench 3D OpenGL Blending test.

Last Result: **Passed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes 3DOpenGLBlending performance data collected successfully

LOG PATH

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

Summary:

0xBench 3D OpenGL Fog test.

Last Result: **Passed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes 3DOpenGLFog performance data collected successfully

LOG PATH

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

Summary:

0xBench 3D OpenGL Flying Teapot test.

Last Result: **Passed**



Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes 3DOpenGLTeapot performance data collected successfully

LOG PATH

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

Summary:

0xBench VM Garbage Collection test.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes VMGC performance data collected successfully

LOG PATH

#### **Test Case amsdkA-103: 0xBench Native LibMicro test**

Summary:

0xBench Native LibMicro test.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes NativeLibMicro performance data collected successfully

LOG PATH

#### **Test Case amsdkA-104: 0xBench Native UnixBench test**

Summary:

0xBench Native UnixBench test.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes NativeUnixBench performance data collected successfully

LOG PATH

## 3.3 Test Suite : Netperf

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 16 136.95

LOG PATH

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 32 137.1

LOG PATH

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 64 136.79

LOG PATH

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 128 136.5

LOG PATH

**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 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 256 136.85

LOG PATH

**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 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 512 136.58

LOG PATH

**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 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 1024 136.49

LOG PATH

#### **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: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 4096 263.99

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 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 8192 373.67

LOG PATH

## **3.4 Test Suite : Browser**

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes 93

#### **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 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes 6287.5ms +/- 1.1%

#### **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 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes 200

## **3.5 Test Suite : RowboPerf**

#### **Test Case amsdkA-118: Dhrystone**

Summary:

Measure Dhrystone bechmark

Last Result: **Passed**  
Build 2011-04-07

Tester gt\_amsdk\_lead  
Testing notes 1666666

#### Test Case amsdkA-119: Whetstone

Summary:

Measure Whetstone metric

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes 250.0 MIPS

#### Test Case amsdkA-120: Linpack

Summary:

Measure Linpack metrics

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes Precision 24524 Kflops ; 10 Reps

## 3.6 Test Suite : adb

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

Summary:

Measure Android Debug bridge performance using ethernet connection

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes Mean-TX=4853.8 Mean-RX=5050.2

LOG PATH

## 3.7 Test Suite : Storage

## 3.7.1 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: **Failed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes USB device has not been detected by the kernel

LOG PATH

### 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 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes StorageIO performance data collected successfully

LOG PATH

### 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

## testreport AM389x\_Gingerbread\_2.3\_Devkit\_2.0

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 2011-04-07

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

### **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 2011-04-07

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

### **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 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes StorageIO performance data collected successfully

LOG PATH

**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 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes StorageIO performance data collected successfully

LOG PATH

## 3.7.2 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 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes StorageIO performance data collected successfully

LOG PATH

**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 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes StorageIO performance data collected successfully

LOG PATH

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

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 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes StorageIO performance data collected successfully

LOG PATH

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

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 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes StorageIO performance data collected successfully

LOG PATH

**Test Case amsdkA-281: MMC/SD 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 (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 2011-04-07  
Tester gt\_amsdk\_lead

Testing notes      StorageIO performance data collected successfully

LOG PATH

**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              2011-04-20

Tester             gt\_amsdk\_lead

Testing notes      StorageIO performance data collected successfully

LOG PATH

### 3.7.3 Test Suite : SATA

**Test Case amsdkA-406: SATA vfat partition write/read test with a block size of 512 bytes and a file of**

Summary:

---- Warning ----

TestLink Warning

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

Original name

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

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

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

Last Result:      **Passed**

Build              2011-04-07

Tester             gt\_amsdk\_lead

Testing notes      StorageIO performance data collected successfully

LOG PATH

**Test Case amsdkA-407: SATA vfat partition write/read test with a block size of 4096 bytes and a file o**

Summary:

---- Warning ----

TestLink Warning

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

Original name

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

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

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

Last Result:      **Passed**

Build              2011-04-07

Tester             gt\_amsdk\_lead

Testing notes      StorageIO performance data collected successfully

LOG PATH

**Test Case amsdkA-408: SATA vfat partition write/read test with a block size of 16384 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

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

Original name

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

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

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

Last Result:      **Passed**

Build              2011-04-07

Tester             gt\_amsdk\_lead

Testing notes      StorageIO performance data collected successfully

LOG PATH

**Test Case amsdkA-409: SATA vfat partition write/read test with a block size of 65536 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

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

Original name

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

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

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

Last Result: **Passed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

**Test Case amsdkA-410: SATA 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 (104 chars) > 100 => has been truncated

Original name

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

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

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

Last Result: **Passed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

**Test Case amsdkA-411: SATA vfat partition write/read test with a block size of 1048576 bytes and a fil**

Summary:

---- Warning ----

TestLink Warning

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

Original name

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

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

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

Last Result: **Passed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

## 3.8 Test Suite : Database

### 3.8.1 Test Suite : TestIndex

#### Test Case amsdkA-124: TestIndex Benchmarks

Summary:

Run Testindex benchmark application to measure database performance.

Last Result: **Passed**

Build 2011-04-07

Tester gt\_amsdk\_lead

Testing notes 1)

iiinserting 10000 records: 3488 ms

performing 20000 index search: 2219ms

iterating through 20000 records: 1645ms

deleting 10000 records: 6296 ms

length 2056192

2)

testreport AM389x\_Gingerbread\_2.3\_Devkit\_2.0

inserting 10000 records: 1033111 ms

performing 20000 index search: 16490ms

iterating through 20000 records: 1024ms

length before delete 10000 : 891904 ms

deleting 10000 record 1006999ms

length 8192

## 3.9 Test Suite : Power

### 3.9.1 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:	<b>Failed</b>
Build	2011-04-20
Tester	gt_amsdk_lead

#### 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:	<b>Failed</b>
Build	2011-04-20
Tester	gt_amsdk_lead



**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 2011-04-20  
Tester gt\_amsdk\_lead

**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 2011-04-20  
Tester gt\_amsdk\_lead

**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 2011-04-20  
Tester gt\_amsdk\_lead

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

Summary:

Measure power while running 3D graphics application

Last Result: **Failed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead

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

Summary:

Measure power while running video and audio decode and playback

Last Result: **Failed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead

## **4 Test Suite : Stress**

### **4.1 Test Suite : Monkey**

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

Summary:

Stress Test the system using the monkey tool

Last Result: **Failed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead  
Testing notes Crash(es) reported for [["com.android.settings", "pid 30661", "android.content.ActivityNotFoundException:"]] No response(s) reported []

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 2011-04-07  
Tester gt\_amsdk\_lead

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

Summary:

Verify that a Release Notes are provided

Last Result: **Passed**  
Build 2011-04-07  
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 2011-04-07  
Tester gt\_amsdk\_lead

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

Summary:

Verify that a CTS report is provided

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

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

Summary:

Verify that a DevKit Test Report is provided

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

**Test Case amsdkA-59: Android Rowboat Manifest**

Summary:

Verify that an Android Rowboat Manifest document is provided

Last Result: **Passed**  
Build 2011-04-07

Tester gt\_amsdk\_lead

#### Test Case amsdkA-60: Datasheet

Summary:

Verify that a Datasheet document is provided

Last Result: **Passed**

Build 2011-04-07

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 2011-04-07

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 2011-04-07

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 2011-04-07

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:	<b>Passed</b>
Build	2011-04-07
Tester	gt_amsdk_lead

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

Summary:

Verify that a DevKit Developers Guide document is provided

Last Result:	<b>Passed</b>
Build	2011-04-07
Tester	gt_amsdk_lead

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

Summary:

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

Last Result:	<b>Passed</b>
Build	2011-04-07
Tester	gt_amsdk_lead

### **Test Case amsdkA-82: Packages List**

Summary:

Verify that the DevKit includes a list of packages contained in each filesystem image.

Last Result:	<b>Passed</b>
Build	2011-04-07
Tester	gt_amsdk_lead

## 6 Test Suite : Kitting

### **Test Case amsdkA-51: Review DevKit components with the legal team**

Summary:

All components in the DevKit shall be reviewed by the legal team to identify any possible incompatibility.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-52: Review SW Manifest with OSRB**

Summary:

Software manifests shall be reviewed and approved by the OSRB

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

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

Summary:

Devkit content should be complete (see expected results section)

Last Result: **Passed**  
Build 2011-04-07  
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 2011-04-07  
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:	<b>Passed</b>
Build	2011-04-07
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:	<b>Passed</b>
Build	2011-04-07
Tester	gt_amsdk_lead

## **7 Test Suite : Tools**

### **Test Case amsdkA-63: Bootable-MMC/SD-Card-Generation script**

Summary:

Verify that a script to generate a bootable MMC/SD card is provided and works fine.

Last Result:	<b>Passed</b>
Build	2011-04-07
Tester	gt_amsdk_lead

## **8 Test Suite : Functionality**

### **8.1 Test Suite : SGX SDK**

#### **Test Case amsdkA-69: SGX Demos**

Summary:

Validate that Graphics Demo Application(s) is provided and runs fine.

Last Result: **Passed**  
Build 2011-04-07  
Tester gt\_amsdk\_lead

## 8.2 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 2011-04-07  
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 2011-04-07  
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 2011-04-07  
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:	<b>Passed</b>
Build	2011-04-20
Tester	gt_amsdk_lead

## 8.3 Test Suite : Video

### Test Case amsdkA-283: VRFB

Summary:

Test VRFB functionality.

Last Result:	<b>Passed</b>
Build	2011-04-07
Tester	gt_amsdk_lead

## 8.4 Test Suite : Graphics

### Test Case amsdkA-412: Maximum Display Resolution

Last Result:	<b>Passed</b>
Build	2011-04-07
Tester	gt_amsdk_lead