



Brew Level 1 Certification Report
Samsung SCH-R270

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Table of Contents

Section 1 Brew Level 1 Certification Summary	4
1.1 Device Summary	4
Section 2 Brew Level 1 Certification Results.....	5
2.1 High Level Summary.....	5
Feature Summary.....	6
2.2 Feature Details (All/Failures).....	13
2.2.1 Contact Database Management (AEECLSID_ADDRBOOK) : AddrBookTest.....	13
2.2.2 File system management for both the EFS and the MMC file systems (AEECLSID_FileMgr) : FileMgrTest.....	14

Section 1 Brew Level 1 Certification Summary

The following report is intended to communicate how well the SCH-R270 measured up to the Brew Level 1 requirements when run against the Brew Level 1 certification tests. The data contained herein is not intended to demonstrate any capability of the hardware itself.

Throughout the document there are many abbreviated and technical terms. If any of these terms are unfamiliar, please refer to the Brew MP Glossary on the [Brew MP website](#).

1.1 Device Summary

Samsung SCH-R270	
Software Build	FD02
Reference Device	QSC6085 SC2x 5.3
Brew MP AU	1.0.2.647
BVK Version	2.0.12.3.2310763
Validation Stage	Commercial
Network	U.S. Cellular

Section 2 Brew Level 1 Certification Results

2.1 High Level Summary

Certification Status: This device is not Brew Level 1 Certified due to the following deficiencies

Failed Brew Level 1 Features:

- File system management for both the EFS and the MMC file systems

Unverified Brew Level 1 Features:

- Contact Database Management

Feature Summary

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Contact Database Management	AddrBookTest	AEECLSID_ADDRBOOK				15			Device crashes immediately after test execution
Contact Database Management	AddrBook_AddAItest	AEECLSID_ADDRBOOK	1						
Contact Database Management	AddrBook_SaveAItest	AEECLSID_ADDRBOOK	1						
Database connection factory	DBCFactoryTest	dbc_AEECLSID_Factory	46						
Database Manager	DBMgrTest	AEECLSID_DBMGR	19						
Database	DatabaseTest	AEECLSID_DBMGR	13						
Module resource and information management	ModCollectorAPITest	AEECLSID_ModCollector	14						
Module installation management	ModInstallerAPITest	AEECLSID_ModInstaller2	36						
Backlight display management	BacklightTest	AEECLSID_BACKLIGHT	3						
Backlight display management	Backlight_EnableAItest	AEECLSID_BACKLIGHT	1						
Image handling for the JPEG mime type	ImageControlTest_JPEG	AEECLSID_JPEG	49						
Image handling for the PNG mime type	ImageControlTest_PNG	AEECLSID_PNG	65						
Image decoding and handling for the WINBMP mime type	ImageControlTest_WINBMP	AEECLSID_WINBMP	49						
Image decoding and handling for the JPEG mime type	ImageDecoderTest_JPEG	AEECLSID_JPEGDecoder	49						
Image decoding and handling for the PNG mime type	ImageDecoderTest_PNG	AEECLSID_PNGDecoder	65						
Media playback for the AAC mime type	media_play_aacitest	AEECLSID_MediaAAC	1						
Media playback for the MIDI mime type	media_play_midiaitest	AEECLSID_MediaMIDI	1						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Media playback for the MP3 mime type	media_play_mp3aitest	AEECLSID_MediaMP3	1						
Media playback for the QCP mime type	media_play_qcpaitest	AEECLSID_MediaQCP	1						
Media playback for the AAC mime type with a minimum encoding of 384 Kbps @ 48Khz	mediaaac_playbacktest	AEECLSID_MediaAAC	18						
Media playback for the MIDI protocol with a minimum encoding of 128 voices, 512Kb wavetable	mediamidi_playbacktest	AEECLSID_MediaMIDI	18						
Media playback for the MP3 mime type	mediamp3_playbacktest	AEECLSID_MediaMP3	18						
Media playback for the QCP mime type	mediaqcp_playbacktest	AEECLSID_MediaQCP	18						
Media playback for the QCP mime type across MIDI protocol	mediaqcpoutmidi_playbacktest	AEECLSID_MediaMIDIOUTQCP	10						
Basic sound playback of beeps, rings, tones and vibrations	sound_basictests	AEECLSID_SOUND	27						
Basic sound playback with stereo headset device	sound_propsstereoheadset	AEECLSID_SOUND	27						
Set speaker to Bluetooth headset	sound_setbtheadsetAITest	AEECLSID_SOUND	1						
Set speaker to Bluetooth stereo headset	sound_setbtstereoheadsetAITest	AEECLSID_SOUND	1						
Calls ISound_SetDevice for current AI test	sound_setcurrentAITest	AEECLSID_SOUND	1						
Tests for SetDeviceCurrent sound APIs	sound_setcurrenttests	AEECLSID_SOUND	24						
Set speaker to handset	sound_sethandsetAITest	AEECLSID_SOUND	1						
Set speaker to handset	sound_sethandsettests	AEECLSID_SOUND	24						
Set speaker to headset	sound_setheadsetAITest	AEECLSID_SOUND	1						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Set speaker to handset speaker	sound_setspeakerAITest	AAECLSID_SOUND	1						
Set speaker to device speaker	sound_setspeakertests	AAECLSID_SOUND	24						
Set speaker to stereo headset	sound_setstereoheadsetAITest	AAECLSID_SOUND	1						
Set playback volume	sound_setvolumeAITest	AAECLSID_SOUND	1						
Basic Midi sound player	soundplayer_midi	AAECLSID_SOUNDPLAYER	17						
Basic MP3 sound player	soundplayer_mp3	AAECLSID_SOUNDPLAYER	15						
Basic MIDI sound player	soundplayer_propsMidi	AAECLSID_SOUNDPLAYER	22						
Basic MP3 sound player	soundplayer_propsmP3	AAECLSID_SOUNDPLAYER	22						
Basic QCP sound player	soundplayer_propsqcp	AAECLSID_SOUNDPLAYER	21						
Basic MIDI sound player with stereo headset	soundplayer_propsstereoHs	AAECLSID_SOUNDPLAYER	12						
Basic QCP sound player	soundplayer_qcp	AAECLSID_SOUNDPLAYER	5						
Web - HTTP Operations	WebTest	AAECLSID_Web	36						
Common web utilities	WebUtilTest	AAECLSID_WebUtil	13						
Web Service configuration management	Web_WebOptsTest	AAECLSID_xOpts	33						
Shell operations providing UI based functions	ShellBrowseUrlAITest_Http	AAECLSID_SHELL	1						
Shell operations providing UI based functions	ShellBrowseUrlAITest_Https	AAECLSID_SHELL	1						Browser starts but does not access https link. Error message received: "Security Error: The server certificate does not belong to this server." Device is able to access https://www.brewmp.com but not https://developer.brewmp.com
Shell operation used to launch device web browser	ShellBrowseUrlAITest_Tel	AAECLSID_SHELL	1						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Tests basic shell services which include alarms, timers, application management, device and application configuration, and notifications	ShellTest	AAECLSID_SHELL	55						
Shell operations providing UI based functions	ShellUITest	AAECLSID_SHELL	13						
File system management for both the EFS and the MMC file systems	FileMgrTest	AAECLSID_FileMgr	42	1				CR148821	Platform issue. See details below
Bidirectional data stream file access enablement	FilePort1Test	AAECLSID_FileSystem2	31						
File system access enablement	FileSystem2Test	AAECLSID_FileSystem2	44						
File system management for both the EFS and the MMC file systems	FileTest	AAECLSID_FileMgr	17						
Heap memory management	HeapTest	AAECLSID_HEAP	23						
Data streaming services from a memory block	MemAStreamTest	AAECLSID_MEMASTREAM	7						
Thread management APIs	ThreadTest	AAECLSID_THREAD	15						
Extend the IASstream interface with decompression feature	UnzipAStreamTest	AAECLSID_UNZIPSTREAM	8						
Interact with Ringer Manager	RingerMgr_CreateAITest	AAECLSID_RINGERMGR	1						
Interact with Ringer Manager	RingerMgr_SetRingerAITest	AAECLSID_RINGERMGR	1						
Utilities for constructing common sources from memory buffers	SourceUtilTest	AAECLSID_SourceUtil	17						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Ringer Management	ringermgrtest	AEECLSID_RINGERMGR	71						
Interact and manage device wallpaper	WallpaperAITest_BMP	AEECLSID_Wallpaper	1						
Interact and manage device wallpaper	WallpaperAITest_JPEG	AEECLSID_Wallpaper	1						
Interact and manage device wallpaper	WallpaperAITest_PNG	AEECLSID_Wallpaper	1						
Interact and manage device wallpaper	WallpaperTest	AEECLSID_Wallpaper	27						
Interact and manage device wallpaper	Wallpaper_InstalledAITest	AEECLSID_Wallpaper	1						
Get bytes available for payload	SMSTest_GBAPF	AEECLSID_SMS	64						
Send and receive SMS messages with ASCII encoding	smstest_sr_ascii	AEECLSID_SMS	18						
Send and receive SMS messages with Default encoding	smstest_sr_default	AEECLSID_SMS	9	1					Feature unsupported on USCC
Send and receive SMS messages with GSM7Bit encoding	smstest_sr_gsm7bit	AEECLSID_SMS	5						
Send and receive SMS messages with Latin encoding	smstest_sr_latin	AEECLSID_SMS	10						
Send and receive SMS messages with Octet encoding	smstest_sr_octet	AEECLSID_SMS	21						
Send and receive SMS messages with Unicode encoding	smstest_sr_unicode	AEECLSID_SMS	10						
Asynchronous phone notification and registration	PhoneNotifierTest	AEECLSID_PhoneNotifier	6		3				Feature unsupported on CDMA as expected
Simple interface for telephony layer	Tapi1Test	AEECLSID_TAPI	24						
Services for read access to phone state and information	TelephoneTest	AEECLSID_Telephone	11		1			CR147274	Incorrect test framework configuration. Obsolete test.

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Services for managing the phone resources	callmgrtest	AEECLSID_CallMgr	18						
Text entry through device keys or touch screen	TextCtl_EnterPasswordAITest	AEECLSID_TEXTCTL	1						
Text entry through device keys or touch screen	TextCtl_IM_10Key_LET_AITest	AEECLSID_TEXTCTL	1						
Text entry through device keys or touch screen	TextCtl_IM_10Key_NUM_AITest	AEECLSID_TEXTCTL	1						
Text entry through device keys or touch screen	TextCtl_IM_10Key_SYM_AITest	AEECLSID_TEXTCTL	1						
Text entry through device keys or touch screen	TextCtl_IM_QTouch_EXT_AITest	AEECLSID_TEXTCTL			1				Feature unsupported on device
Text entry through device keys or touch screen	TextCtl_IM_QTouch_NUM_AITest	AEECLSID_TEXTCTL		1					Feature unsupported on device
Text entry through device keys or touch screen	TextCtl_IM_Qwerty_EXT_AITest	AEECLSID_TEXTCTL			1				Feature unsupported on device
Text entry through device keys or touch screen	TextCtl_IM_Qwerty_NUM_AITest	AEECLSID_TEXTCTL		1					Feature unsupported on device
Display information services	DisplayTest	AEECLSID_Display	73						
A standard Brew MP font with Ascent = 13, Descent = 3, bolded	FontStandard11BTest	AEECLSID_FONT_STANDARD 11B	1						
A standard Brew MP font with Ascent = 13, Descent = 3	FontStandard11Test	AEECLSID_FONT_STANDARD 11	1						
A standard Brew MP font with Ascent = 15, Descent = 3, bolded	FontStandard15BTest	AEECLSID_FONT_STANDARD 15B	1						
A standard Brew MP font with Ascent = 15, Descent = 3	FontStandard15Test	AEECLSID_FONT_STANDARD 15	1						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
A standard Brew MP font with Ascent = 17, Descent = 3, bolded	FontStandard18BTest	AEECLSID_FONT_STANDARD 18B	1						
A standard Brew MP font with Ascent = 17, Descent = 3	FontStandard18Test	AEECLSID_FONT_STANDARD 18	1						
A standard Brew MP font with Ascent = 21, Descent = 3, bolded	FontStandard23BTest	AEECLSID_FONT_STANDARD 23B	1						
A standard Brew MP font with Ascent = 21, Descent = 3	FontStandard23Test	AEECLSID_FONT_STANDARD 23	1						
A standard Brew MP font with Ascent = 23, Descent = 3, bolded	FontStandard26BTest	AEECLSID_FONT_STANDARD 26B	1						
A standard Brew MP font with Ascent = 23, Descent = 3	FontStandard26Test	AEECLSID_FONT_STANDARD 26	1						
A standard Brew MP font with Ascent = 28, Descent = 3	FontStandard36Test	AEECLSID_FONT_STANDARD 36	1						
A system font, bolded	FontSysBoldTest	AEECLSID_FONTSYSBOLD	1						
A large system font	FontSysLargeTest	AEECLSID_FONTSYSLARGE	1						
A system font	FontSysNormalTest	AEECLSID_FONTSYSNORMAL	1						
Bilinear image scaling	BilinearScaleTest	AEECLSID_BilinearScale	53						
2-Dimensional graphics services	GraphicsTest	AEECLSID_GRAPHICS	45						
Text entry through device keyboard	TextCtl_Test	AEECLSID_TEXTCTL_10	35						

2.2 Feature Details (All/Failures)

2.2.1 Contact Database Management (AEECLSID_ADDRBOOK) : AddrBookTest

Test Case	Result	Issue	Method	Comment
AddrBookTest_CheckCatSupport	UNEXECUTED		IADDRBOOK_EnumCategoryInit	Device crashes immediately after test execution
AddrBookTest_CreateRecord	UNEXECUTED		IADDRBOOK_CreateRec IADDRBOOK_GetLastError	
AddrBookTest_EnumAllRecords	UNEXECUTED		IADDRBOOK_EnumNextRec IADDRBOOK_EnumReclnit IADDRBOOK_GetNumRecs	
AddrBookTest_EnumNextCategory	UNEXECUTED		IADDRBOOK_EnumCategoryInit IADDRBOOK_EnumNextCategory	
AddrBookTest_EnumRecordsOnCat	UNEXECUTED		IADDRBOOK_EnumNextRec IADDRBOOK_EnumReclnit IADDRBOOK_GetNumRecs	
AddrBookTest_EnumRecordsOnCatNField	UNEXECUTED		IADDRBOOK_EnumNextRec IADDRBOOK_EnumReclnit IADDRBOOK_GetNumRecs	
AddrBookTest_GetCatNameSmallSize	UNEXECUTED		IADDRBOOK_GetCategoryName	
AddrBookTest_GetCatNameTotSize	UNEXECUTED		IADDRBOOK_GetCategoryName	
AddrBookTest_GetCatNameZeroSize	UNEXECUTED		IADDRBOOK_GetCategoryName	
AddrBookTest_GetFieldName	UNEXECUTED		IADDRBOOK_GetFieldName	
AddrBookTest_GetFieldNameSize	UNEXECUTED		IADDRBOOK_GetFieldName	
AddrBookTest_GetFieldNameSmallSize	UNEXECUTED		IADDRBOOK_GetFieldName	
AddrBookTest_GetFieldNameTotSize	UNEXECUTED		IADDRBOOK_GetFieldName	
AddrBookTest_GetFieldNameZeroSize	UNEXECUTED		IADDRBOOK_GetFieldName	
AddrBookTest_SetProperties	UNEXECUTED		IADDRBOOK_GetProperties IADDRBOOK_SetProperties	

2.2.2 File system management for both the EFS and the MMC file systems (AEECLSID_FileMgr) : FileMgrTest

Test Case	Result	Issue	Method	Comment
FileMgrTest_GetFileUseInfo	FAIL	IFILEMGR_GetFileUseInfo() returns FileUseInfo.wMaxFiles as 0. Platform issue.	IFILEMGR_EnumInit IFILEMGR_GetFileUseInfo IFILEMGR_GetLastError	CR148821