



Brew Level 1 Certification Report
LG VN370

Date: April 22, 2015



QUALCOMM® Proprietary

Restricted Distribution: This document contains critical information about QUALCOMM products and may not be distributed to anyone that is not an employee of QUALCOMM, its affiliates or subsidiaries without the approval of Configuration Management.

QUALCOMM Incorporated reserves the right to make changes to the product(s) or information contained herein without notice. No liability is assumed for any damages arising directly or indirectly by their use or application. The information provided in this document is provided on an "as is" basis.

All data and information contained in or disclosed by this document is confidential and proprietary information of QUALCOMM Incorporated and all rights therein are expressly reserved. By accepting this material the recipient agrees that this material and the information contained therein is to be held in confidence and in trust and will not be used, copied, reproduced in whole or in part, nor its contents revealed in any manner to others without the express written permission of QUALCOMM Incorporated.

QUALCOMM is a registered trademark and registered service mark of QUALCOMM Incorporated. Other product and brand names may be trademarks or registered trademarks of their respective owners.

Export of this technology may be controlled by the United States Government. Diversion contrary to U.S. law prohibited.

QUALCOMM Incorporated

5775 Morehouse Drive

San Diego, CA 92121-1714

U.S.A.

Copyright © 2012 QUALCOMM Incorporated. All rights reserved.

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	5
2.2 Feature Details (All/Failures)	14
2.2.1 Contact Database Management (AEECLSID_ADDRBOOK) : AddrBook Test	14
2.2.2 Contact Database Management (AEECLSID_ADDRBOOK) : AddrBook_AddAllTest	14
2.2.3 Display information services (AEECLSID_Display) : Display Test	14

Section 1 Brew Level 1 Certification Summary

The following report is intended to communicate how well the LG VN370 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 Glossary Web Page](#).

1.1 Device Summary

LG VN370	
Software Build	VN370R02
Reference Device	QSC6175
Brew MP AU	1.0.4.608
BVK Version	2.0.13.1.3202521
Validation Stage	Commercial
Network	Verizon

Section 2 Brew Level 1 Certification Results

2.1 High Level Summary

Certification Status: This device is is Brew Level 1 Certified

Failed Brew Level 1 Features:

None

Unsupported Brew Level 1 Features:

Feature	Module	Class
Contact Database Management	AddrBookTest	AEECLSID_ADDRBOOK(0x01002018)
Display information services	DisplayTest	AEECLSID_Display(0x01001001)

Unverified Brew Level 1 Features:

Feature Summary

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Contact Database Management	AddrBookTest	AEECLSID_ADDRBOOK	1		14				Categories unsupported on device
Contact Database Management	AddrBook_AddAtTest	AEECLSID_ADDRBOOK			1				Categories unsupported on device
Contact Database Management	AddrBook_SaveAtTest	AEECLSID_ADDRBOOK	1						
Database connection factory	DBCFactoryTest	dbc_AEECLSID_Factory	46						
Database Manager	DBMgrTest	AEECLSID_DBMGR	19						
Database	DatabaseTest	AEECLSID_DBMGR	13						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
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_aacaitest	AEECLSID_MediaAAC	1						
Media playback for the MIDI mime type	media_play_midiaitest	AEECLSID_MediaMIDI	1						
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						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
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_propsstereohs	AEECLSID_SOUND	27						
Set speaker to Bluetooth headset	sound_setbtheadsetAITest	AEECLSID_SOUND	1						
Set speaker to Bluetooth stereo headset	sound_setbtstereoheadsetAITest	AEECLSID_SOUND	1						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Calls ISound_SetDevice for current AI test	sound_setcurrentAITest	AAECLSID_SOUND	1						
Tests for SetDeviceCurrent sound APIs	sound_setcurrenttests	AAECLSID_SOUND	24						
Set speaker to handset	sound_sethandsetAITest	AAECLSID_SOUND	1						
Set speaker to handset	sound_sethandsettests	AAECLSID_SOUND	24						
Set speaker to headset	sound_setheadsetAITest	AAECLSID_SOUND	1						
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_propssmp3	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						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Web Service configuration management	Web_WebOptsTest	AAECLSID_xOpts	33						
Shell operations providing UI based functions	ShellBrowseUriAtTest_Http	AAECLSID_SHELL	1						
Shell operations providing UI based functions	ShellBrowseUriAtTest_Https	AAECLSID_SHELL	1						
Shell operation used to launch device web browser	ShellBrowseUriAtTest_Tel	AAECLSID_SHELL	1						
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	43						
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	FileTest	AAECLSID_FileMgr	17						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
the MMC file systems									
Heap memory management	HeapTest	AAECLSID_HEAP	23						
Data streaming services from a memoryblock	MemAStreamTest	AAECLSID_MEMASTREAM	7						
Thread management APIs	ThreadTest	AAECLSID_THREAD	15						
Extend the IStream interface with decompression feature	UnzipAStreamTest	AAECLSID_UNZIPSTREAM	8						
Interact with Ringer Manager	RingerMgr_CreateAtTest	AAECLSID_RINGERMGR	1						
Interact with Ringer Manager	RingerMgr_SetRingerAtTest	AAECLSID_RINGERMGR	1						
Utilities for constructing common sources from memory buffers	SourceUtilTest	AAECLSID_SourceUtil	17						
Ringer Management	ringermgrtest	AAECLSID_RINGERMGR	71						
Interact and manage device wallpaper	WallpaperAtTest_BMP	AAECLSID_Wallpaper	1						
Interact and manage device wallpaper	WallpaperAtTest_JPEG	AAECLSID_Wallpaper	1						
Interact and manage device wallpaper	WallpaperAtTest_PNG	AAECLSID_Wallpaper	1						
Interact and manage device wallpaper	WallpaperTest	AAECLSID_Wallpaper	27						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Interact and manage device wallpaper	Wallpaper_InstalledAITest	AEECLSID_Wallpaper	1						
Send and receive SMS messages with Default encoding	smstest_sr_default	AEECLSID_SMS	6						
Asynchronous phone notification and registration	PhoneNotifierTest	AEECLSID_PhoneNotifier	7						
Simple interface for telephony layer	Tapi1Test	AEECLSID_TAPI	24						
Services for read access to phone state and information	TelephoneTest	AEECLSID_Telephone	11						
Services for managing the phone resources	callmgrtest	AEECLSID_CallMgr	18						
Provides interface for text input to be processed by the device with 10-key support	TextCtl_10_Test	AEECLSID_TextCtl_10	35						
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_Qwerty_EXT_AITest	AEECLSID_TEXTCTL				1			Test not applicable for 10-key flip form factor

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Text entry through device keys or touch screen	TextCtl_IM_Qwerty_NUM_AITest	AAECLSID_TEXTCTL				1			Test not applicable for 10-key flip form factor
Text entry through device keys or touch screen	TextCtl_IM_Touch_EXT_AITest	AAECLSID_TEXTCTL				1			Test not applicable for 10-key flip form factor
Text entry through device keys or touch screen	TextCtl_IM_Touch_NUM_AITest	AAECLSID_TEXTCTL				1			Test not applicable for 10-key flip form factor
Provides interface for text input to be processed by the device	TextCtl_Test	AAECLSID_TEXTCTL	35						
Display information services	DisplayTest	AAECLSID_Display	71		2				Device does not support 180-degree and 270-degree screen rotation
A standard Brew MP font with Ascent = 13, Descent = 3, bolded	FontStandard11BTest	AAECLSID_FONT_STANDARD11B	1						
A standard Brew MP font with Ascent = 13, Descent = 3	FontStandard11Test	AAECLSID_FONT_STANDARD11	1						
A standard Brew MP font with Ascent = 15, Descent = 3, bolded	FontStandard15BTest	AAECLSID_FONT_STANDARD15B	1						
A standard Brew MP font with Ascent = 15, Descent = 3	FontStandard15Test	AAECLSID_FONT_STANDARD15	1						
A standard Brew MP font with Ascent = 17, Descent = 3, bolded	FontStandard18BTest	AAECLSID_FONT_STANDARD18B	1						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
A standard Brew MP font with Ascent = 17, Descent = 3	FontStandard18Test	AEECLSID_FONT_STANDARD18	1						
A standard Brew MP font with Ascent = 21, Descent = 3, bolded	FontStandard23BTest	AEECLSID_FONT_STANDARD23B	1						
A standard Brew MP font with Ascent = 21, Descent = 3	FontStandard23Test	AEECLSID_FONT_STANDARD23	1						
A standard Brew MP font with Ascent = 23, Descent = 3, bolded	FontStandard26BTest	AEECLSID_FONT_STANDARD26B	1						
A standard Brew MP font with Ascent = 23, Descent = 3	FontStandard26Test	AEECLSID_FONT_STANDARD26	1						
A standard Brew MP font with Ascent = 28, Descent = 3	FontStandard36Test	AEECLSID_FONT_STANDARD36	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						

2.2 Feature Details (All/Failures)

2.2.1 Contact Database Management (AEECLSID_ADDRBOOK) : AddrBookTest

Method	Test Case	Result	Issue	Impact	Comment
IADDRBOOK_EnumCategoryInit	AddrBookTest_CheckCatSupport	Unsupported			Categories unsupported on device
IADDRBOOK_EnumCategoryInit	AddrBookTest_EnumNextCategory	Unsupported			
IADDRBOOK_EnumNextCategory					
IADDRBOOK_GetCategoryName	AddrBookTest_GetCatNameZeroSize	Unsupported			
IADDRBOOK_GetCategoryName	AddrBookTest_GetCatNameSmallSize	Unsupported			
IADDRBOOK_GetCategoryName	AddrBookTest_GetCatNameTotSize	Unsupported			
IADDRBOOK_GetFieldName	AddrBookTest_GetFieldNameSize	Unsupported			
IADDRBOOK_GetFieldName	AddrBookTest_GetFieldName	Unsupported			
IADDRBOOK_GetFieldName	AddrBookTest_GetFieldNameTotSize	Unsupported			
IADDRBOOK_GetFieldName	AddrBookTest_GetFieldNameSmallSize	Unsupported			
IADDRBOOK_GetFieldName	AddrBookTest_GetFieldNameZeroSize	Unsupported			
IADDRBOOK_CreateRec	AddrBookTest_CreateRecord	Unsupported			
IADDRBOOK_GetLastError					
IADDRBOOK_EnumNextRec	AddrBookTest_EnumAllRecords	Unsupported			
IADDRBOOK_EnumReclnit					
IADDRBOOK_GetNumRecs					
IADDRBOOK_EnumNextRec	AddrBookTest_EnumRecordsOnCat	Unsupported			
IADDRBOOK_EnumReclnit					
IADDRBOOK_GetNumRecs					
IADDRBOOK_EnumNextRec	AddrBookTest_EnumRecordsOnCatNField	Unsupported			
IADDRBOOK_EnumReclnit					
IADDRBOOK_GetNumRecs					

2.2.2 Contact Database Management (AEECLSID_ADDRBOOK) : AddrBook_AddAllTest

Method	Test Case	Result	Issue	Impact	Comment
IADDRBOOK_CreateRec	AddrBook_Add	Unsupported			Categories unsupported on device
IADDRBOOK_EnumFieldsInfoInit					
IADDRBOOK_EnumNextFieldsInfo					
IADDRBOOK_GetLastError					

2.2.3 Display information services (AEECLSID_Display) : DisplayTest

Method	Test Case	Result	Issue	Impact	Comment
IDISPLAY_GetDeviceBitmap IDISPLAY_SetPrefs IDisplay_DrawRect IDisplay_SetClipRect IDisplay_SetDestination IDisplay_UpdateEx	DisplayTest_TestSetPrefRot180	Unsupported			Device does not support 180-degree and 270-degree screen rotation
IDISPLAY_GetDeviceBitmap IDISPLAY_SetPrefs IDisplay_DrawRect IDisplay_SetClipRect IDisplay_SetDestination IDisplay_UpdateEx	DisplayTest_TestSetPrefRot270	Unsupported			