



Brew Level 2 Certification Report
QSC6195 1.0.4.593

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Section 1 Brew Level 2 Certification Summary

The following report is intended to communicate how well the QSC6195 measured up to the Brew Level 2 requirements when run against the Brew Level 2 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

QSC6195 1.0.4.593 SCMM (Touch Device)	
Software Build	Q6195ASCTUUD32321501
Reference Device	QSC6195 SCMM
Brew MP AU	1.0.4.593
BVK Version	2.0.12.5.2416943
Validation Stage	CS
Network	Verizon

Section 2 Brew Level 2 Certification Results

2.1 High Level Summary

Certification Status: This device is not Brew Level 2 Certified due to the following deficiencies

Failed Brew Level 2 Features:

Feature	Module	Class
Notifier class with which applications can register for battery notifications	BatteryNotifier_ModelEvtAITest	AEECLSID_BATTERY(0x102a188)
Provides services for position determination using GPS information or sector information	Posdetttest	AEECLSID_POSDET(0x100105b)
Provides API to control, configure and monitor a Brew MP applet's data network	NetworkTest_IPv4	AEECLSID_Network(0x1039270)
Receives notification when hardware states have changed	NotifierAITest_MMC	AEECLSID_DeviceNotifier(0x01128471)
Sets, Retrieves, and notifies upon changes the value of the ItemStore Manner Mode Item	MannerModeCallback_AITest	AEECLSID_MannerMode(0x1062e35)
Sets, Retrieves, and notifies upon changes the value of the ItemStore Manner Mode Item	MannerModeVerifyMode_AITest	AEECLSID_MannerMode(0x01129af2)

Unsupported Brew Level 2 Features:

Feature	Module	Class
Provides a generic interface for BREW applications to control a device camera and to record snapshots and movies in various formats	CameraTest	AEECLSID_CAMERA(0x1002013)
Provides API to control, configure and monitor a Brew MP applet's data network	NetworkTest_IPv4	AEECLSID_Network(0x1039270)
Provides standard socket networking services, both stream and datagram	SockPortTest_IPv4	AEECLSID_SockPort(0x1012d97)
Enables virtual password input for touchscreen	textwidgetaitest_touchpwd	AEECLSID_TextWidget(0x10551e6)

Unverified Brew Level 1 Features:

Feature	Module	Class
Shell operation used to launch device web browser	ShellBrowseUrlAITest_Sms	AEECLSID_SHELL(0x01001000)

Feature Summary

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Notifier class with which applications can register for battery notifications	BatteryNotifier_ModelEvtAITest	AEECLSID_BATTERY		1				CR151261	Fails to receive battery notification before timeout
Retrieves battery related information	BatteryTest	AEECLSID_BATTERY	7						
Allows an application to query the meaning of a key combination on extended keypads	keysmappingtest	AEECLSID_KeysMapping		1					Extended keypad unsupported on reference device
Provides services for position determination using GPS information or sector information	Posdetttest	AEECLSID_POSDET	21	2	1			CR151263	See detail below
Allows Access to the Camera	CameraDirectAccess_AITest	AEECLSID_CAMERA	1						
Controls Rotate function of the Camera	CameraRotate_AITest	AEECLSID_CAMERA	1						
Record Snapshot	CameraSnapshot_AITest	AEECLSID_CAMERA	1						
Provides a generic interface for BREW applications to control a device camera and to record snapshots and movies in various formats	CameraTest	AEECLSID_CAMERA	19		1				Multi snapshots unsupported on reference device
Operates preview mode for the camera	camerapreviewtype_aitest	AEECLSID_CAMERA	1						
Provides multimedia utility services for AMR MIME type	MediaAMR_PlaybackTest	AEECLSID_MediaAMR	18						
MPEG4 MIME Type Playback	MediaMPEG4Playback_AITest	AEECLSID_MEDIAMPEG4	1						
PCM Mime Type Playback	MediaPCM_PlaybackTest	AEECLSID_MEDIAPCM	36						
AMR Mime Type Playback	Media_Play_AMRAITest	AEECLSID_MediaAMR	1						
PCM MIME type playback	media_play_pcmaitest	AEECLSID_MEDIAPCM	1						
PMD Type Playback	media_play_pmdaitest	AEECLSID_MEDIAPMD	1						
Fast forwards a PMD movie type	mediapmd_fastforward_aitest	AEECLSID_MEDIAPMD	1						

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Pauses a PMD movie type	mediapmd_pause_aitest	AAECLSID_MEDIAPMD	1						
Playback of PMD files	mediapmd_playbacktest	AAECLSID_MEDIAPMD	36						
Rewinds a PMD movie type	mediapmd_rewind_aitest	AAECLSID_MEDIAPMD	1						
Controls the mute function of a PMD media file	mediapmd_setmutectl_aitest	AAECLSID_MEDIAPMD	1						
Controls the volume of the PMD media file	mediapmd_setvolume_aitest	AAECLSID_MEDIAPMD	1						
Fast forwards an MPEG4 movie type	mediavideo_ff_mpeg4aitest	AAECLSID_MEDIAMPEG4	1						
Rewinds an MPEG4 movie type	mediavideo_rewind_mpeg4aitest	AAECLSID_MEDIAMPEG4	1						
Controls screen rotation for an MPEG4 movie type	mediavideo_rotation_mpeg4aitest	AAECLSID_MEDIAMPEG4	1						
Controls the scaling of an MPEG4 movie type	mediavideo_scaling_mpeg4aitest	AAECLSID_MEDIAMPEG4	1						
Provides multimedia utility services for MPEG4 MIME type	mediavideotestsmp4_playback	AAECLSID_MEDIAMPEG4	37						
Allows use of the default sound path to capture and play vocoder frames	VocoderRecordPlayPCM_AITest	AAECLSID_VOCODER	1						
Allows use of the default sound path to capture and play vocoder frames	VocoderTest	AAECLSID_VOCODER	23						
Plays tones through the vocoder	Vocoder_PlayToneAITest	AAECLSID_VOCODER	1						
Provides API to control, configure and monitor a Brew MP applet's data network	NetworkTest_IPv4	AAECLSID_Network	30	1	8			CR151302	See details below
Functions provide mechanisms to get and set the parameters associated with the network subsystem of the device	NetMgrTest	AAECLSID_NET	25						
Provides standard socket networking services, both stream and datagram	SockPortTest_IPv4	AAECLSID_SockPort	73		3				Error enable socket option is unsupported on reference device
Shell operation used to launch device web browser	ShellBrowseUrlAITest_Sms	AAECLSID_SHELL		1					Feature unsupported on reference device

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Provides access to files, directories and filesystem from the MCF directory	mcfdirectorytest	AEECLSID_FILESYSTEM2	1						
Provides access to files, directories and filesystem from the MCF Lock directory	mcflockdirectorytest	AEECLSID_FILESYSTEM2	1						
Receives notification when hardware states have changed	NotifierAITest_Flip	AEECLSID_DeviceNotifier			1				Flip feature unsupported on reference device
Receives notification when hardware states have changed	NotifierAITest_Headset	AEECLSID_DeviceNotifier	1						
Receives notification when hardware states have changed	NotifierAITest_KeyGuard	AEECLSID_DeviceNotifier		1					Key guard feature unsupported on reference device
Receives notification when hardware states have changed	NotifierAITest_MMC	AEECLSID_DeviceNotifier		1				CR151304	Fails to receive MMC event notifications before timeout
Receives notification when hardware states have changed	NotifierAITest_rotate	AEECLSID_DeviceNotifier			1				Screen rotation unsupported on reference device
Provides access APIs for getting and setting system clocks, querying time validity, and registering to be notified of changes in time	sysclockapplettest	AEECLSID_CSysClock	10						
Sets, Retrieves, and notifies upon changes the value of the ItemStore Manner Mode Item	MannerModeCallback_AITest	AEECLSID_MannerMode		1				CR151265	API returns failure
Sets, Retrieves, and notifies upon changes the value of the ItemStore Manner Mode Item	MannerModeTest	AEECLSID_MannerMode	15						
Sets, Retrieves, and notifies upon changes the value of the ItemStore Manner Mode Item	MannerModeVerifyMode_AITest	AEECLSID_MannerMode		1				CR151265	API returns failure

Feature	Module	Class	Pass	Fail	Unsupported	Unexecuted	Crash	Known Issues	Comment
Provides services to get information about the current serving networks	tapiservingnetworkstest	tapi_AEECLSID_ServingNetworks	6						
User interface element that provides text entry facilities to the widget framework	TextWidgetTest	AEECLSID_TextWidget	6	1					QWERTY keyboard unsupported on device
Enables virtual character input for touchscreen	textwidgetaitest_touchchar	AEECLSID_TextWidget		1					Reference device does not support virtual QWERTY keypad
Enables virtual number input for touchscreen	textwidgetaitest_touchnum	AEECLSID_TextWidget	1						
Enables virtual password input for touchscreen	textwidgetaitest_touchpwd	AEECLSID_TextWidget		1					Feature unsupported on reference UI

2.2 Feature Details (All/Failures)

2.2.1 Notifier class with which applications can register for battery notifications (AEECLSID_BATTERY) : BatteryNotifier_ModelEvtAITest

Method	Test Case	Result	Issue	Impact	Comment
ISHELL_RegisterNotify	BatteryNotifier_ModelEvtAITest	Fail	Fails to receive battery notification before timeout	Applications will not be able to listen to battery model events	CR151261

2.2.2 Allows an application to query the meaning of a key combination on extended keypads (AEECLSID_KeysMapping) : keysmappingtest

Method	Test Case	Result	Issue	Impact	Comment
IKeysMapping_GetMapping	TestMappings	Fail	Extended keypad is unsupported on reference device	None	

2.2.3 Provides services for position determination using GPS information or sector information (AEECLSID_POSDET) : Posdetttest

Method	Test Case	Result	Issue	Impact	Comment
IPOSDET_GetGPSCConfig IPOSDET_GetGPSInfo IPOSDET_SetGPSCConfig	Posdetttest_SetConfig_TrackStandalone_OptSpeed	Fail	One or more position requests fail	Application will not be able to get one or more position fixes	CR151263
IPOSDET_GetGPSCConfig IPOSDET_GetGPSInfo IPOSDET_SetGPSCConfig	Posdetttest_SetConfig_TrackStandalone_OptAccuracy	Fail			
IPOSDET_GetOrientation	Posdetttest_GetOrientation	Unsupported		None	Azimuth information unsupported on device

2.2.4 Provides a generic interface for BREW applications to control a device camera and to record snapshots and movies in various formats (AEECLSID_CAMERA) : CameraTest

Method	Test Case	Result	Issue	Impact	Comment
ICamera_IsMultishot	CameraTests_IsMultishotTest	Unsupported		None	Multi snapshots unsupported on reference device

2.2.5 Provides API to control, configure and monitor a Brew MP applet's data network (AEECLSID_Network) : NetworkTest_IPv4

Method	Test Case	Result	Issue	Impact	Comment
INetwork_GetMyIPAddr INetwork_NetStatus INetwork_OnEvent	NetworkTest_IPv4_OnEvent1	Fail	Fails to receive all network events	Applications will not be able to retrieve current network status	CR151302
INetwork_AddRetryCB INetwork_SelectNetworkEx INetwork_Start	NetworkTest_IPv4_SelectNetworkEx3	Unsupported		None	BCMCS network is unsupported
INetwork_AddRetryCB INetwork_SelectNetworkEx INetwork_Start	NetworkTest_IPv4_SelectNetworkEx4	Unsupported		None	DVB-H multicast network unsupported
INetwork_AddRetryCB INetwork_SelectNetworkEx INetwork_Start	NetworkTest_IPv4_SelectNetworkEx5	Unsupported		None	3GPP network is unsupported
INetwork_AddRetryCB INetwork_SelectNetworkEx INetwork_Start	NetworkTest_IPv4_SelectNetworkEx8	Unsupported		None	Feature unsupported as device does not support WLAN
INetwork_AddRetryCB INetwork_SelectNetworkEx INetwork_Start	NetworkTest_IPv4_SelectNetworkEx9	Unsupported		None	Feature unsupported as device does not support WLAN

Method	Test Case	Result	Issue	Impact	Comment
INetwork_AddRetryCB INetwork_SelectNetworkEx INetwork_Start	NetworkTest_IPv4_SelectNetworkEx10	Unsupported		None	UICC network is unsupported
INetwork_AddRetryCB INetwork_SelectNetworkEx INetwork_Start	NetworkTest_IPv4_SelectNetworkEx11	Unsupported		None	SLIP network is unsupported
INetwork_AddRetryCB INetwork_SelectNetworkEx INetwork_Start	NetworkTest_IPv4_SelectNetworkEx12	Unsupported		None	FMC network is unsupported

2.2.6 Provides standard socket networking services, both stream and datagram (AEECLSID_SockPort) : SockPortTest_IPv4

Method	Test Case	Result	Issue	Impact	Comment
ISockPort_GetOpt ISockPort_OpenEx	SockPortTest_IPv4_GetOpt7	Unsupported		None	Error enable socket option is unsupported on reference device
ISockPort_GetOpt ISockPort_OpenEx	SockPortTest_IPv4_GetOpt8	Unsupported			
ISockPort_GetOpt ISockPort_OpenEx ISockPort_SetOpt	SockPortTest_IPv4_SetOpt15	Unsupported			

2.2.7 Shell operation used to launch device web browser (AEECLSID_SHELL) : ShellBrowseUrlAITest_Sms

Method	Test Case	Result	Issue	Impact	Comment
ISHELL_BrowseURL	ShellBrowseURL_Sms_AI	Fail	Fails to support SMS:url from reference UI	Feature is unverified	Feature unsupported on reference UI

2.2.8 Receives notification when hardware states have changed (AEECLSID_DeviceNotifier) : NotifierAITest_Flip

Method	Test Case	Result	Issue	Impact	Comment
ISHELL_RegisterNotify	Notifier_AItest	Unsupported		None	Flip feature unsupported on reference device

2.2.9 Receives notification when hardware states have changed (AEECLSID_DeviceNotifier) : NotifierAITest_KeyGuard

Method	Test Case	Result	Issue	Impact	Comment
ISHELL_RegisterNotify	Notifier_AITest	Fail		None	Key guard feature unsupported on reference device

2.2.10 Receives notification when hardware states have changed (AEECLSID_DeviceNotifier) : NotifierAITest_MMC

Method	Test Case	Result	Issue	Impact	Comment
ISHELL_RegisterNotify	Notifier_AITest	Fail	Fails to receive MMC event notifications before timeout	Applications will not be able to detect when MMC is inserted or removed	CR151304

2.2.11 Receives notification when hardware states have changed (AEECLSID_DeviceNotifier) : NotifierAITest_rotate

Method	Test Case	Result	Issue	Impact	Comment
ISHELL_RegisterNotify	Notifier_AITest	Unsupported		None	Screen rotation unsupported on reference device

2.2.12 Sets, Retrieves, and notifies upon changes the value of the ItemStore Manner Mode Item (AEECLSID_MannerMode) : MannerModeCallback_AITest

Method	Test Case	Result	Issue	Impact	Comment
ItemStore_OnChange	MannerModeCallBack_AI	Fail	API returns failure	Applications will not be able query manner mode	CR151265

2.2.13 Sets, Retrieves, and notifies upon changes the value of the ItemStore Manner Mode Item (AEECLSID_MannerMode) : MannerModeVerifyMode_AITest

Method	Test Case	Result	Issue	Impact	Comment
ItemStore_Get	MannerModeVerifyMode_AI	Fail	API returns failure	Applications will not be able query manner mode	CR151265

2.2.14 User interface element that provides text entry facilities to the widget framework (AEECLSID_TextWidget) : TextWidgetTest

Method	Test Case	Result	Issue	Impact	Comment
IWidget_HandleEvent IWidget_GetInputMode IWidget_GetTextWidgetText IWidget_SetInputMode	TextWidget_IM_Qwerty_KEY	Fail	QWERTY keyboard unsupported on reference device	None	

2.2.15 Enables virtual character input for touchscreen (AEECLSID_TextWidget) : textwidgetaitest_touchchar

Method	Test Case	Result	Issue	Impact	Comment
IWidget_EnableVirtualInput	TextWidgetAITest_Touch	Fail	Reference device does not support virtual QWERTY keypad	None	

2.2.16 Enables virtual password input for touchscreen (AEECLSID_TextWidget) : textwidgetaitest_touchpwd

Method	Test Case	Result	Issue	Impact	Comment
IWidget_EnableVirtualInput	TextWidgetAITest_TouchPwd	Fail	Inputting single character results in multiple characters being entered. Test times out before corrections can be made.	Feature is unverified	Feature unsupported on reference device