



API Validation Commercial Results
Casio C781

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Section 1 Summary

The following report is intended to communicate how well Brew MP software, SDK & Tools, and platform perform on the Casio C781 when run against the PVS 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

Casio C781	
Software Build	WC781VWB537F.167
Reference Device	QSC6185
Brew MP AU	1.0.3.856
Brew MP Platform Pro	1.0.3.856
Validation Stage	Commercial
Network	Verizon

Section 2 API Validation Results

2.1 Brew MP C781 Results Summary

2.1.1 Validation Environment Summary

Environment Attribute	Attribute Data
PVS Version	1.0.3.856 PRO
Test Studio Version	5.11.1.1
Brew MP Version	1.0.3.856
Device Build Version	WC781VWB537F.167

2.1.2 API Validation Results Summary

Results Categories	Results Summary Data
Test Module Count	209
Test Modules Executed	201
Total Tests Passed	10803
Total Tests Failed	150
Total Features Unsupported	1829
Total Tests Unexecuted	751
Date of Execution	Mon Jun 13 17:05:01 2011

2.1.3 Validation Issues Severity Summary

Issue Severity	High	Medium	Low	Total
Totals	2	11	12	25

2.2 API Validation Issues Breakdown by Family

2.2.1 Connectivity

2.2.1.1 Failures

Feature	Tests	Issue	Impact	Severity
Bluetooth	<ul style="list-style-type: none"> OATIBTClient_Secu-BondWithOOB.1 OATIBTClient_BIP-GetAttachment.1 OATIBTClient_BIP-GetCapabilities.1 OATIBTClient_BIP-GetImage.1 OATIBTClient_BIP-GetImageList.1 OATIBTClient_BIP-GetImageProperties.1 OATIBTClient_BIP-GetThumbnail.1 OATIBTClient_Connection1-GetStatus.1 OATIBTClient_DevDB1-GetDevName.1 OATIBTClient_Discoverer-CancelNameRequest.1 OATIBTClient_Discoverer-GetRemoteName.1 OATIBTClient_FTP-ChDir.1 OATIBTClient_FTP-Get.1 OATIBTClient_FTP-Get-Multiple-Files.1 OATIBTClient_FTP-GetDir.1 OATIBTClient_FTP-LsDir.1 OATIBTClient_FTP-MkDir.1 OATIBTClient_FTP-Put.1 OATIBTClient_FTP-Put-Multiple-Files.1 OATIBTClient_FTP-PutDir.1 OATIBTClient_FTP-Rmdir.1 OATIBTClient_OBEX-Connect.1 OATIBTClient_OBEX-Disconnect.1 OATIBTClient_OBEX-Get.1 OATIBTClient_OBEX-Put.1 OATIBTClient_OBEX-SendCommand.1 OATIBTClient_OBEX-Setpath.1 OATIBTClient_OPP-GetServerSupportedFormats.1 OATIBTClient_OPP-PullOwnerVCard.1 OATIBTClient_OPP-PushBytes.1 OATIBTClient_OPP-PushFile.1 OATIBTClient_OPP-PushLargeObject.1 OATIBTClient_OPP-RepullObject.1 OATIBTClient_PBAP-AbortPullPhoneBook.1 OATIBTClient_PBAP-Connect.1 OATIBTClient_PBAP-Disconnect.1 OATIBTClient_PBAP-GetFilteredVCardListing.1 OATIBTClient_PBAP-PullPhoneBook.1 OATIBTClient_PBAP-PullPhoneBookSize.1 OATIBTClient_PBAP-PullVCardEntry.1 OATIBTClient_SDClient-RetrieveServiceAttributeResp.1 OATIBTClient_SDClient-ServiceSearchAttributeReq.1 OATIBTClient_Secu-TestPasskeyRequest.1 OATIBTClient_SPP-DisconnectFromSecServer.1 OATIBTClient_SPP-InitiateSecSPPCon.1 OATIBTClient_SPP-ReadDataSec.1 OATIBTClient_SPP-SendDataSec.1 	Cannot bond with remote device	Applications will not be able to use Bluetooth	High

Issue Severity	High	Medium	Low	Total
Totals	1	0	0	1

2.2.1.2 Unexecuted

Test Module	Tests	Reason	Impact
connmgrtest (14)	• Most	Incorrect test framework configuration. Feature unsupported.	None
ctffmradioirx (20)	• Most	Incorrect test framework configuration. Feature unsupported.	None
ctffmradioitx (14)	• Most	Incorrect test framework configuration. Feature unsupported.	None
ctffmrds (18)	• Most	Incorrect test framework configuration. Feature unsupported.	None
ctfwlanprofilemgr (64)	• Most	Incorrect test framework configuration. Feature unsupported.	None
ctfwlansettings (14)	• Most	Incorrect test framework configuration. Feature unsupported.	None

2.2.2 Databases

2.2.2.1 Failures

Feature	Tests	Issue	Impact	Severity
None	• None	N/A	N/A	N/A

Issue Severity	High	Medium	Low	Total
Totals	0	0	0	0

2.2.2.2 Unexecuted

Test Module	Tests	Reason	Impact
ctfadntest (81)	• All	Incorrect test framework configuration. Feature unsupported.	None

2.2.3 Deprecated

2.2.3.1 Failures

Feature	Tests	Issue	Impact	Severity
AddrBook	<ul style="list-style-type: none"> AddrBook_CheckingAddressBook.3 AddrBook_AddToNative.1 AddrBook_ReadFromNative.1 AddrBook_ReadFromNative.2 AddrBook_CreateRecord.0 AddrBook_EnumRecords.0 AddrBook_EnumRecords.1 AddrBook_EnumRecords.2 AddrBook_InvalidPhoneFieldID.1 AddrBook_MaxRecords.0 	Meets Verizon's requirement of not deleting the MNC record. Feature verified.	None	Low
USB Driver	<ul style="list-style-type: none"> USBDriver_CableConnect.2 USBDriver_ConnectWithNoCable.2 USBDriver_ConnectWithNoCable.3 	Fails to connect via USB	Applications may not be able react when USB cable is connected	Medium

Issue Severity	High	Medium	Low	Total
Totals	0	1	1	2

2.2.3.2 Unexecuted

Test Module	Tests	Reason	Impact
None	<ul style="list-style-type: none"> None 	N/A	N/A

2.2.4 Hardware

2.2.4.1 Failures

Feature	Tests	Issue	Impact	Severity
Camera	<ul style="list-style-type: none"> Camera1_InteractivePreviewPauseStopDAM.1 	Cannot preview in Direct Access Mode	Applications may not be able to preview images to the fullest extent	Medium
Sticky Keys	<ul style="list-style-type: none"> ctfkeysconfigtest_TestStickyKeys 	Incorrect test framework configuration. Feature is unsupported.	None	Low
External Keypad	<ul style="list-style-type: none"> ctfkeysmappingtest_TestMappings 	Incorrect test framework configuration. Feature is unsupported.	None	Low
OEM-Configurable Variables and Interfaces	<ul style="list-style-type: none"> Device_HardReset.1 	Application fails to resume after reset	Alarms may not persist after resets	Low
	<ul style="list-style-type: none"> Device_GetDeviceInfoExComplex.10 	Incorrect test framework configuration. Test issue. Feature unverified.	Applications may not be able to verify ESN or MEID of device	Low
Form Factor	<ul style="list-style-type: none"> Flip_SecondaryDisplayBkGroundApp.1 	Application does not switch to external display when flip is closed	Applications will not be able to use secondary external display	Medium

Issue Severity	High	Medium	Low	Total
Totals	0	2	4	6

2.2.4.2 Unexecuted

Test Module	Tests	Reason	Impact
None	<ul style="list-style-type: none"> None 	N/A	N/A

2.2.5 Languages

2.2.5.1 Failures

Feature	Tests	Issue	Impact	Severity
None	<ul style="list-style-type: none"> None 	N/A	N/A	N/A

Issue Severity	High	Medium	Low	Total
Totals	0	0	0	0

2.2.5.2 Unexecuted

Test Module	Tests	Reason	Impact
jams_lapp (82)	<ul style="list-style-type: none"> All 	Incorrect test framework configuration. Feature unsupported.	None
jams_lappControl (89)			
jams_IAppJSR229 (15)			
jams_IAppSession (49)			
jams_IAppSessionJSR82 (5)			
jams_IAutoInstall (1)			
jams_IInstall (82)			
jams_Sanity (6)			
jams_Smoke (3)			

2.2.6 Media

2.2.6.1 Failures

Feature	Tests	Issue	Impact	Severity
Sound	<ul style="list-style-type: none"> SetDevice_SetDevice.3 SetDevice_SetDevice.7 SetDevice_SetDevice.10 SetDevice_SetDevice.13 SetDevice_SetDevice.14 SetDevice_SetDevice.15 	Cannot set audio device and cannot route audio to selected audio device	Applications may not be able to route sound to selected audio device	Medium
Headset	<ul style="list-style-type: none"> MediaDevice_Beep_ISoundDevices_Mono_Headset.1 MediaDevice_Beep_ISoundDevices_Stereo_Bluetooth_Headset.1 MediaDevice_MonoAudioFiles_Mono_Headset:44f32r_1.mp3 MediaDevice_MonoAudioFiles_Stereo_Headset:44f32r_1.mp3 MediaDevice_MonoAudioFiles_Stereo_USB_Headset:44f32r_1.mp3 MediaDevice_MonoAudioFiles_Stereo_Bluetooth_Headset:44f32r_1.mp3 MediaDevice_PlayFile_ISoundDevices_Mono_Headset:44f32r_1.mp3 MediaDevice_PlayFile_ISoundDevices_Stereo_Bluetooth_Headset:44f32r_1.mp3 MediaDevice_RecordADPCMFile_ISoundDevices_Mono_Headset.1 MediaDevice_RecordADPCMFile_ISoundDevices_Stereo_Bluetooth_Headset.1 MediaDevice_RecordQCPFile_ISoundDevices_Mono_Headset.1 MediaDevice_RecordQCPFile_ISoundDevices_Mono_Bluetooth_Headset.1 	Unable to set mono and stereo headsets as well as mono and stereo Bluetooth headsets. Feature unverified.	Mono headset, stereo headset, mono and stereo Bluetooth headsets may intermittently work	Medium

	<ul style="list-style-type: none"> MediaDevice_StereoAudioFiles_Stereo_Bluetooth_Headset:44fkHz32b_stereo.mp3 			
Video Media	<ul style="list-style-type: none"> Media_PlayVideoCapsOnAudioVideoClip.1 MediaVideo_PlayVideoCapsOnAudioVideoClip 	Fails to play 3gp video	Applications will not be able to play 3gp video without sound	Medium
Scaler Vector Graphics	<ul style="list-style-type: none"> MediaSVG_BackColor1.1 MediaSVG_EnableAutoStop1.1 MediaSVG_FastForward1.1 MediaSVG_Focus1.1 MediaSVG_GenFrame4.1 MediaSVG_GetViewport1.1 MediaSVG_ImageSVG1.1.1 MediaSVG_ImageSVG1.1.2 MediaSVG_ImageSVG1.1.3 MediaSVG_Key1.1 MediaSVG_Key2.1 MediaSVG_Pan1.1 MediaSVG_Pan2.1 MediaSVG_Pause1.1 MediaSVG_Play1SVG.1 MediaSVG_Play2xSVG.1 MediaSVG_PlaySVGZ1.1 MediaSVG_PointerClick1.1 MediaSVG_PointerDown1.1 MediaSVG_PointerMove1.1 MediaSVG_PointerSequence1.1 MediaSVG_PointerUp1.1 MediaSVG_ResetFrame1.1 MediaSVG_Rewind1.1 MediaSVG_Rewind2.1 MediaSVG_Rotate1.1 MediaSVG_Seek1.1 MediaSVG_SetDefaultCanvas1.1 MediaSVG_SetFrameDelay1.1 MediaSVG_SetRect1.1 MediaSVG_SetViewport1.1 MediaSVG_Stop1SVG.1 MediaSVG_Transparency1.1 MediaSVG_Transparency2.1 MediaSVG_Zoom1.1 MediaSVG_Zoom2.1 SVGDOM_BeginElement.1 SVGDOM_BeginElementAt.1 SVGDOM_EmptyDocument1.1 SVGDOM_EndElement.1 SVGDOM_EndElementAt.1 SVGDOM_ModifyDocument.1 	Fails to play SVG media	Applications will not be able to control the start or stop of SVG animation via ISVGDOM APIs	Medium

Issue Severity	High	Medium	Low	Total
Totals	0	4	0	4

2.2.6.2 Unexecuted

Test Module	Tests	Reason	Impact
OMADRM (23)	<ul style="list-style-type: none"> Several 	Incorrect test framework configuration. Feature unsupported.	None

2.2.7 Networking

2.2.7.1 Failures

Feature	Tests	Issue	Impact	Severity
Network Manager and Connection	<ul style="list-style-type: none"> • SockPort_Ipv4_SelectNetworkEx.2 	Network connection error	Applications will be unable to explicitly select current service network	Medium
	<ul style="list-style-type: none"> • NetMgr_IPv4_SetLinger_SetLinger.5 • Network_IPv4_SetLinger.5 • Network_IPv4_SetLinger_SetLinger.5 • NetMgr_IPv4_SetLinger_SetLinger.7 • Network_Ipv4_SetLinger.7 • Network_IPv4_SetLinger_SetLinger.7 	Gettting incorrect network state	Applications will not be able set linger timeout	Low
	<ul style="list-style-type: none"> • NetMgr_IPv4_SetLinger_SetLinger.8 • Network_Ipv4_SetLinger.8 • Network_IPv4_SetLinger_SetLinger.8 	Cannot close network connection	Applications will not be to employ zero linger timeout	Low
	<ul style="list-style-type: none"> • NetMgr_SetOpt_SetOpt.3 • Network_Ipv4_SetOpt.3 	Cannot set RLP settings	Applications will not be able to set RLP settings	Low
Socket Routines	<ul style="list-style-type: none"> • Socket_Accept.3 • Socket_Close.3 	Incorrect test framework configuration. Test issue. Feature unverified.	Network server applications may have failures managing TCP connections	Medium
Socket Port Number Routines	<ul style="list-style-type: none"> • SockPort_Ipv4_Runtime.1 • SockPort_Ipv4_Accept.3 • SockPort_Ipv4_Close.3 			Medium

Issue Severity	High	Medium	Low	Total
Totals	0	3	3	6

2.2.7.2 Unexecuted

Test Module	Tests	Reason	Impact
None	<ul style="list-style-type: none"> • None 	N/A	N/A

2.2.8 Performance

2.2.8.1 Failures

Feature	Tests	Issue	Impact	Severity
None	<ul style="list-style-type: none"> • None 	N/A	N/A	N/A

Issue Severity	High	Medium	Low	Total
Totals	0	0	0	0

2.2.8.2 Unexecuted

Test Module	Tests	Reason	Impact
None	<ul style="list-style-type: none"> • None 	N/A	N/A

2.2.9 Security

2.2.9.1 Failures

Feature	Tests	Issue	Impact	Severity
None	<ul style="list-style-type: none"> None 	N/A	N/A	N/A

Issue Severity	High	Medium	Low	Total
Totals	0	0	0	0

2.2.9.2 Unexecuted

Test Module	Tests	Reason	Impact
None	<ul style="list-style-type: none"> None 	N/A	N/A

2.2.10 System

2.2.10.1 Failures

Feature	Tests	Issue	Impact	Severity
Out of Coverage	<ul style="list-style-type: none"> OutOfCoverage_OOC.2 OutOfCoverage_OOC.3 OutOfCoverage_OOC.4 OutOfCoverage_OOC.5 	Getting connection error 554	Applications relying on network may behave unexpectedly while out-of-coverage	Low

Issue Severity	High	Medium	Low	Total
Totals	0	0	1	1

2.2.10.2 Unexecuted

Test Module	Tests	Reason	Impact
Thread (9)	<ul style="list-style-type: none"> Thread_ThreadExit Thread_ThreadGetResumeCBK Thread_ThreadHoldRsc Thread_ThreadJoin Thread_ThreadMalloc Thread_ThreadMisalignCheck Thread_ThreadStart Thread_ThreadStop Thread_ThreadSuspend 	Incorrect test framework configuration. Obsolete test.	None
Background (17)	<ul style="list-style-type: none"> All 	Incorrect test framework configuration. Test issue. Feature unverified.	Background applications may behave differently in background while making data calls, playing sound or transitioning from background to foreground and vice versa
OutOfCoverage (1)	<ul style="list-style-type: none"> Coverage 	Incorrect test framework configuration. Obsolete test.	None

2.2.11 TAPI

2.2.11.1 Failures

Feature	Tests	Issue	Impact	Severity
None	• None	N/A	N/A	N/A

Issue Severity	High	Medium	Low	Total
Totals	0	0	0	0

2.2.11.2 Unexecuted

Test Module	Tests	Reason	Impact
None	• None	N/A	N/A

2.2.12 Telephony

2.2.12.1 Failures

Feature	Tests	Issue	Impact	Severity
Telephone	• SetSubscriptionStatus.3	Cannot activate or deactivate subscription status. Platform issue.	Applications cannot change subscription status	High
Smart Card	• ctfsmartcardslots_CreateSlotInstance	Incorrect test framework configuration. Feature unsupported.	None	Low

Issue Severity	High	Medium	Low	Total
Totals	1	0	1	2

2.2.12.2 Unexecuted

Test Module	Tests	Reason	Impact
SMS	• SMS_STRDUPDATETESTSTATUSREPORT_Default	Incorrect test framework configuration. Obsolete test.	None
ctfsmartcardiapplication (38)	• All	Incorrect test framework configuration. Feature unsupported.	None
ctfsmartcardicard (8)	• All		
ctfsmartcardifile (25)	• All		
ctfsmartcardiperso (32)	• All		
ctfsmartcardipin (25)	• All		
ctfsmartcardirefresh (8)	• All		
ctfsmartcardislots (5)	• CreateDelay • GetAvailableAppsTwice		

	<ul style="list-style-type: none"> GetCardInvalidSlotID GetCardValidSlotID OnOpComplete 		
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2.2.13 UI

2.2.13.1 Failures

Feature	Tests	Issue	Impact	Severity
Graphics Library	• GLES_BenchmarkTestGL.1	Does not render a rotating sphere and a floor with texture to screen	Applications will not be able to determine GLES performance	Low
	• GLES_SimpleVisualTestGL_002.1	Does not render triangle to screen	Applications will not be able to display OpenGL-ES data with window surface	Low
Window Manager	• WindowManager_WindowManagerTest.1	Test execution freezes while trying to rotate window to 90 degrees	Applications trying to set rotation may hang device	Medium

Issue Severity	High	Medium	Low	Total
Totals	0	1	2	3

2.2.13.2 Unexecuted

Test Module	Tests	Reason	Impact
FrameWidget (2)	<ul style="list-style-type: none"> CameraFrameModel MediaFrameModel 	Incorrect test framework configuration. Obsolete tests.	None