



**Brew MP Tools Validation Report**  
FFA6290

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## Section 1 Summary

The following tools validation report is intended to communicate how well the Brew MP tools perform on the device. The data contained herein is not intended to demonstrate any capability of the hardware itself, rather just the Brew MP software and developer tools.

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 Developer Mode Overview

#### 1.1.1 Exposing Default Ports

During the validation process, attempts to install the Qualcomm USB drivers were successful. The Device Manager successfully exposed the following ports:

- Qualcomm Handset (UDP)
- Qualcomm Handset diagnostic serial port (UDP)

#### 1.1.2 Switching to Developer Mode

There are three methods for switching a device into developer mode:

1. Use the System Task Applet
2. Use the native UI
3. Use a special key sequence.

Of these three methods, it is recommended that the developer use the System Task Applet over the USB connection.

#### 1.1.3 Developer Mode Connect Validation

There are three methods for connecting to the device and using the Brew MP tools with the device:

1. Connect over COM/DIAG (OEM mode)
2. Connect over COM/BTIL (OEM mode)
3. Connect over Gateway (Developer mode)

The following section describes issues (if any) encountered when using the Brew MP tools over the three connection methods.

## Section 2 Root Certificate Verification/Enablement

Tool	Test	Result	Issues	Solution
Signature Enablement	Enable using BDS root	PASS		
Signature Enablement	Enable using Test/CSK root	FAIL		Test conducted on FFA6290; device build is CRM but not strip-and-pack.

## Section 3 OEM Mode Validation

The following tables describe issues (if any) encountered when using the Brew MP tools over the two connection methods.

### 3.1 COM/DIAG Mode

Tool	Test	Result	Issues	Solution
Loader	Load module using local module signature	PASS		
Logger	Logger unlocked with signature enable	PASS		

### 3.2 COM/BTIL Mode

Tool	Test	Result	Issues	Solution
Loader	Load module using local module signature	PASS		
BTIL API tests	Connect BTIL API's	FAIL	3 Failures 1.ACL_BHF_CreateDir_G01_01 2.ACL_BHF_CreateFile_G01_01 Known on builds <=1.0.2 . Fixed on 1.0.3. Also this is only adversarial failure so not critical. 3.API Test - ACL_BHS_ModInstallC This failure did not occur on a commercial device since it was not reproducible.	
Test Studio	Load module	PASS		
Test Studio	Run module	PASS		
Test Studio	Retrieve logs	PASS		
Logger	Logger unlocked with signature enable	PASS		
AppCreator	Flash Application Test	PASS		
AppCreator	Trig Application Test	PASS		

## Section 4 Developer Mode Validation

The following table describe issues (if any) encountered when using the Brew MP tools over the Gateway (GW) connection method.

Tool	Test	Result	Issues	Solution
GW	Enable using username / password	PASS		
Loader	Load module with global test enable signature	PASS		
Loader	Load module unlocked with username / password	PASS		
Connect API tests	Connect gateway API's	PASS		
Logger	Logger unlocked with username / password	PASS		
AppCreator	Flash Application Test	PASS		
Click2Run	Microsoft Visual Studio	PASS		
Click2Run	Eclipse	PASS		
Click2Debug	Microsoft Visual Studio	PASS		
Click2Debug	Eclipse	PASS		
Test Studio	Load module	PASS		
Test Studio	Run module	PASS		
Test Studio	Retrieve logs	PASS		

## Section 5 Adversarial Tests

### 5.1 Developer Mode (Connect via Gateway)

Tool	Test	Result	Issues	Solution
Loader	Plug-Unplug	PASS		

### 5.2 OEM Mode (Connect via COM/BTIL)

Tool	Test	Result	Issues	Solution
Loader	Plug-Unplug	PASS		