



**Brew MP Tools Certification Report**  
ZTE F450: VZW\_US\_F450V1.0.0B17

Date: 5/18/2011



**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 © 2010 QUALCOMM Incorporated. All rights reserved.

# Table of Contents

<b>Section 1 Summary .....</b>	<b>4</b>
1.1 OEM Mode Certification Summary.....	4
1.2 Developer Mode Certification Summary .....	4
<b>Section 2 Tools Certification Results .....</b>	<b>5</b>
2.1 OEM Mode Certification Results .....	5
2.1.1 Brew MP Tools Support .....	5
2.1.2 Test Signature Signing Results .....	5
2.2 Developer Mode Certification Results .....	6
2.2.1 Brew MP Tools Support .....	6
2.2.2 DES Signing Results.....	6
2.2.3 Developer Mode Settings Screen .....	6

## Section 1 Summary

The Brew MP Tools Certification report is made up of two major areas of concern, OEM Mode and Developer Mode. This report will be broken up into sections representing the various examined aspects of OEM Mode and Developer Mode.

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 OEM Mode Certification Summary

The following report is intended to communicate the certification results for the following Brew MP tools and technologies on the ZTE F450.

- SDK & Tools
- OEM USB Driver
- Flash tools
- Brew Loader and Logger
- Test Signatures
- Connection protocols COM/DIAG and COM/BTIL

### 1.2 Developer Mode Certification Summary

The following report is intended to communicate the certification results for the following Brew MP tools and technologies on the ZTE F450.

- SDK & Tools
- Connect over Brew MP Gateway APIs
- On-Device debugging
- Device Interrogation
- Device Monitoring
- DES (Developer Enablement Services) test signing

## Section 2 Tools Certification Results

### 2.1 OEM Mode Certification Results

#### 2.1.1 Brew MP Tools Support

Tool	Test	COM/DIAG	COM/BTIL	Issues	Impact
Loader	Load module using local module signature	PASS	PASS		
Logger	Logger unlocked with signature enable	PASS	PASS		
AppCreator	Flash Application Test	N/A	PASS		
AppCreator	Trig Application Test	N/A	PASS		
BTIL API Tests	Connect BTIL API's (AbbeyRoad)	N/A	PASS		
Test Studio	Load module	N/A	PASS		
Test Studio	Run module	N/A	PASS		
Test Studio	Retrieve logs	N/A	PASS		

#### 2.1.2 Test Signature Signing Results

Tool	Test	COM/DIAG	COM/BTIL	Issues	Impact
Signature Enablement	Enable using BDS root	N/A	PASS		
Signature Enablement	Enable using Test/CSK root	PASS	N/A		

## 2.2 Developer Mode Certification Results

### 2.2.1 Brew MP Tools Support

Tool	Test	Gateway Mode	Issues	Impact
Loader	Load module with global test enable signature	PASS		
Loader	Load module unlocked with username/password	PASS		
Connect API tests	Connect Gateway API's (Autobahn)	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		

### 2.2.2 DES Signing Results

Tool	Test	Result	Issues	Impact
Signature Enablement	Enable using DES	PASS		

### 2.2.3 Developer Mode Settings Screen

Test	Result	Issues	Impact
Device supports *#DEVMODE# to enable Developer Mode if there is no UI menu to enable Developer Mode	PASS	Device uses qwerty keyboard. Use *#3386633#, which correlates to *#DEVMODE# on devices with only keypad.	
Device has a Developer Mode settings screen	PASS		
Settings screen can be used to select USB Gateway only mode	PASS		
Settings screen can be used to select USB Gateway + COM ports	PASS		

Settings screen can be used to turn off the USB Gateway	PASS	"Factory Default" turns gateway off.	
---	------	--------------------------------------	--