



**Brew Level 1 Certification Report**  
QSC6270 1.0.4.433

Date: August 10, 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 © 2011 QUALCOMM Incorporated. All rights reserved.

# Table of Contents

|                  |   |          |
|------------------|---|----------|
| <b>Section 1</b> | <b>Brew Level 1 Certification Summary .....</b>                                     | <b>4</b> |
| 1.1              | Device Summary .....  | 4        |
| <b>Section 2</b> | <b>Brew Level 1 Certification Results .....</b>                                     | <b>5</b> |
| 2.1              | High Level Summary .....  | 5        |
| 2.2              | Feature Summary .....   | 5        |
| 2.3              | Feature Details (All/Failures) .....  | 7        |
| 2.3.1            | Basic sound playback of beeps, rings, tones and vibrations (AEECLSID_SOUND): Sound7 |          |
| 2.3.2            | Ringer Management (AEECLSID_RINGERMGR): Ringer .....                                | 7        |
| 2.3.3            | Services for managing the phone resources (AEECLSID_CallMgr): Telephone .....       | 8        |
| 2.3.4            | Simple interface for telephony layer (AEECLSID_TAPI): TAPI1 .....                   | 8        |

## Section 1 Brew Level 1 Certification Summary

This report describes how well the QSC6270 meets the BL1 API requirements. This determination is made by running the device against the BL1 certification tests. The data contained herein is not intended to demonstrate or verify 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

| QSC6270 4.11 1.0.4.433 |                       |
|------------------------|-----------------------|
| Software Build         | Q6270B-KPXZL-4.1.130T |
| Reference Device       | QSC6270 4.1           |
| Brew MP AU             | 1.0.4.433             |
| Brew MP Version        | 1.0.4.433             |
| Validation Stage       | CS                    |
| Network                | AT&T                  |

## Section 2 Brew Level 1 Certification Results

### 2.1 High Level Summary

**Certification Status:** This device is not Brew Level 1 Certified due to the following deficiencies

- **Unverified Brew Level 1 Features:**
  - Ringers are not visible through native UI for Ringer Management
  - Cannot start DTMF tone for Telephone
  - Fails to resume tests from native UI for TAPI

### 2.2 Feature Summary

| Feature  | Module    | Class              | Pass | Fail | Unsupported | Unexecuted | Crash | Comment |
|--|-----------|--------------------|------|------|-------------|------------|-------|---------|
| Contact Database Management  | Addrbook  | AEECLSID_ADDRBOOK  | 29   |      |             |            |       |         |
| Database Manager   | Database  | AEECLSID_DBMGR     | 32   |      |             |            |       |         |
| Backlight display management   | Backlight | AEECLSID_BACKLIGHT | 4    |      |             |            |       |         |
| Image handling for the JPEG mime type  | Viewer    | AEECLSID_JPEG      | 10   |      |             |            |       |         |
| Image handling for the PNG mime type   | Viewer    | AEECLSID_PNG       | 104  |      |             |            |       |         |
| Media playback for the AAC mime type with a minimum encoding of 384 Kbps @ 48Khz | MediaAAC  | AEECLSID_MediaAAC  | 64   |      |             |            |       |         |
| Media playback for the MIDI  | MediaMIDI | AEECLSID_MediaMIDI | 34   |      |             |            |       |         |

|  |                 |  |     |   |    |    |  |   |
|--|-----------------|--|-----|---|----|----|--|---|
| protocol with a minimum encoding of 128 voices, 512Kb wavetable  |                 |  |     |   |    |    |  |   |
| Media playback for the MP3 mime type                             | MediaMP3        | AAECLSID_MediaMP3  | 64  |   |    |    |  |   |
| Media playback for the QCP mime type                             | MediaQCP        | AAECLSID_MediaQCP  | 16  |   |    |    |  |   |
| Basic sound playback of beeps, rings, tones and vibrations       | Sound           | AAECLSID_SOUND   | 19  |   | 2  |    |  | Feature unsupported on reference device as expected   |
| Web - HTTP Operations  | Web             | AAECLSID_Web   | 45  |   |    |    |  |   |
| Common web utilities   | Web             | AAECLSID_WebUtil   | 5   |   |    |    |  |   |
| Web Service configuration management                             | Web             | AAECLSID_xOpts   | 29  |   |    |    |  |   |
| File system management for both the EFS and the MMC file systems | FS              | AAECLSID_FileMgr   | 79  |   |    |    |  |   |
| HEAP memory management   | Heap            | AAECLSID_HEAP  | 32  |   |    |    |  |   |
| Thread management APIs   | ThreadTest      | AAECLSID_THREAD  | 15  |   |    |    |  |   |
| Ringer Management  | Ringer          | AAECLSID_RINGERMGR   | 31  | 1 |    |    |  | Ringers are created in EFS, but are not visible through native UI   |
| Interact and manage device wallpaper                             | Wallpaper       | AAECLSID_Wallpaper   | 18  |   |    |    |  |   |
| Send and Receive Messages  | SMS             | AAECLSID_SMS   | 45  |   | 33 |    |  | CDMA-only tests unsupported on GSM as expected  |
| Services for managing the phone resources                        | Telephone       | AAECLSID_CallMgr   | 43  | 1 | 3  |    |  | Call Redirect and Explicit Call Transfer are unsupported on AT&T network. Fails to start DTMF tone. Test issue. Feature unverified. |
| Simple interface for telephony layer                             | TAPI1           | AAECLSID_TAPI  | 15  |   |    | 10 |  | Fails to resume tests from native UI. Test issue. Feature unverified.   |
| Services for read access to phone state and information          | Telephone       | AAECLSID_Telephone   | 11  |   |    |    |  |   |
| Text entry through device keyboard                               | Text            | AAECLSID_TEXTCTL_10  | 106 |   |    |    |  |   |
| Display information services                                     | Disp            | AAECLSID_Display   | 5   |   |    |    |  |   |
| Standard Fonts   | BBFE            | AAECLSID_FONT_STANDARD11<br>AAECLSID_FONT_STANDARD11B<br>AAECLSID_FONT_STANDARD26B | 1   |   |    |    |  |   |
| 2-Dimensional graphics services                                  | Graphics        | AAECLSID_GRAPHICS  | 20  |   |    |    |  |   |
| EFS Contacts Database  | ctfcontactstest | pim_AAECLSID_EFSDBDevice   | 69  |   |    |    |  |   |

|  |                 |                          |    |  |  |  |  |  |
|--|-----------------|--------------------------|----|--|--|--|--|--|
| Contacts Interface                               | ctfcontactstest | pim_AEECLSID_EFSDBDevice | 29 |  |  |  |  |  |
| Enumerate contact search results                 | ctfcontactstest | pim_AEECLSID_EFSDBDevice | 8  |  |  |  |  |  |
| Database connection factory                      | ctfdbctest      | dbc_AEECLSID_Factory     | 4  |  |  |  |  |  |
| Database query interface                         | ctfdbctest      | dbc_AEECLSID_Factory     | 9  |  |  |  |  |  |
| Enabling the execution of a statement object     | ctfdbctest      | dbc_AEECLSID_Factory     | 4  |  |  |  |  |  |
| Bind values to a precompiled SQL statement       | ctfdbctest      | dbc_AEECLSID_Factory     | 4  |  |  |  |  |  |
| Result set management                            | ctfdbctest      | dbc_AEECLSID_Factory     | 1  |  |  |  |  |  |
| File system access enablement                    | FileSystem2Test | AEECLSID_FileSystem2     | 52 |  |  |  |  |  |
| Bidirectional data stream file access enablement | FilePort1Test   | AEECLSID_FileSystem2     | 35 |  |  |  |  |  |
| Directory enumeration                            | DirEnumTest     | AEECLSID_FileSystem2     | 14 |  |  |  |  |  |

## 2.3 Feature Details (All/Failures)

### 2.3.1 Basic sound playback of beeps, rings, tones and vibrations (AEECLSID\_SOUND): Sound

| Test Case            | Result      | Issue | Method               | Comment   |
|----------------------|-------------|-------|----------------------|---|
| Sound->Vibrate.1     | Unsupported |       | ISound_Vibrate()     | Feature unsupported on reference device as expected |
| Sound->StopVibrate.1 | Unsupported |       | ISound_StopVibrate() |   |

### 2.3.2 Ringer Management (AEECLSID\_RINGERMGR): Ringer

| Test Case           | Result | Issue   | Method   | Comment |
|---------------------|--------|---|--|---------|
| Ringer->SetRinger.4 | Failed | Ringers are created in EFS, but are not visible through native UI | IRINGERMGR_SetRinger() or IRINGERMGR_RegistrNotify() |         |

### 2.3.3 Services for managing the phone resources (AEECLSID\_CallMgr): Telephone

| Test Case             | Result | Issue                    | Method   | Comment   |
|-----------------------|--------|--------------------------|--|---|
| Telephone->StopDTMF.1 | Failed | Fails to start DTMF tone | ICALL_GetCallDescriptor() or ICALL_StartDTMF() or ICALL_StopDTMF() | Incorrect test framework configuration. Test issue. Feature unverified. |

### 2.3.4 Simple interface for telephony layer (AEECLSID\_TAPI): TAPI1

| Test Case                             | Result     | Issue                                | Method                                    | Comment   |
|---------------------------------------|------------|--------------------------------------|---|---|
| TAPI1->SendSMS_ToThisHandset          | Unexecuted | Fails to resume tests from native UI | ITAPI_ExtractSMSText() or ITAPI_SendSMS() | Incorrect test framework configuration. Test issue. Feature unverified. |
| TAPI1->OnCallStatus_OutgoingVoiceCall | Unexecuted |                                      | ITAPI_GetStatus() or ITAPI_OnCallStatus() |   |
| TAPI1->OnCallStatus_IncomingVoiceCall | Unexecuted |                                      | ITAPI_GetStatus() or ITAPI_OnCallStatus() |   |
| TAPI1->IsVoiceCall_IncomingVoiceCall  | Unexecuted |                                      | ITAPI_IsVoiceCall()                       |   |
| TAPI1->IsVoiceCall_OutgoingVoiceCall  | Unexecuted |                                      | ITAPI_IsVoiceCall()                       |   |
| TAPI1->MakeVoiceCall_ValidNumber      | Unexecuted |                                      | ITAPI_MakeVoiceCall()                     |   |
| TAPI1->MakeVoiceCall_InSequence       | Unexecuted |                                      | ITAPI_MakeVoiceCall()                     |   |
| TAPI1->MakeVoiceCall_PrivacyAlert     | Unexecuted |                                      | ITAPI_MakeVoiceCall()                     |   |
| TAPI1->SendSMS_EmailId                | Unexecuted |                                      | ITAPI_SendSMS()                           |   |
| TAPI1->SendSMS_IdleHandset            | Unexecuted |                                      | ITAPI_SendSMS()                           |   |