



MANUFACTURING INSTRUCTION

GES Singapore Pte Ltd

Document No. : MI-WAT-WAT-047

Revision No. : 00

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Title : Functional test for model W1210000218,456,21820,460 board



1.0 OBJECTIVE

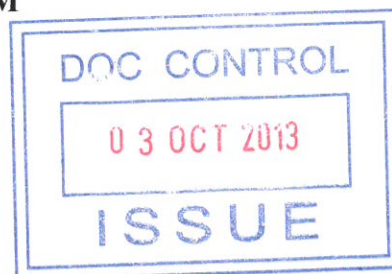
This document provides functional test procedure for WATERS W1210000218,456,21820,460 PCBA Testing.

2.0 SCOPE

This procedure is applicable to all test operators involve in the functional test of W1210000218,456,21820,460 PCBA.

3.0 TOOLS & EQUIPMENT

- 3.1 Racal Functional Test Fixture (TE82836)
- 3.2 Racal Freedom Functional Test System. (TE82743-3)
- 3.3 Plexi glass fixture model 210000218-PCM
- 3.4 Plexi glass fixture model 21000021820-TCM
- 3.5 Temperature simulator module x3 Pcs _TCM



4.0 DEFINITION

N.A

5.0 REFERENCE

N.A

6.0 SAFETY PRECAUTIONS

- 6.1 Testing station shall be kept clean and tidy.
- 6.2 Wrist strap shall be worn and properly grounded at all time.

7.0 PROCEDURES

7.1 Test Setup

- 7.1.1 Switch on the computer by pressing the on switch located in the front panel of the PC.
- 7.1.2 Once is in the window desktop , switch on the rest of the tester by pressing On switch located on the left of the top side of the tester. Let the tester 5 minutes to Perform the individual self-test routines.



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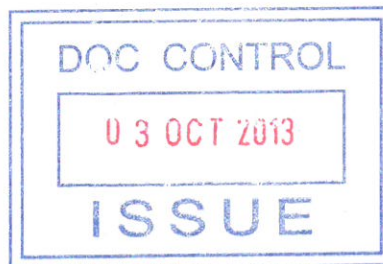
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VENTURE

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DOCUMENT CONTROL

- 7.1.3 On the window desktop, double click and launch the desktop icon "RESMAN". It should be perform every-time the tester is power on and power down.
 - 7.1.4 Locate the functional test fixture **TE82836** and carefully attach the fixture to the Racal Test System. Lock the fixture pushing the handle down.
 - 7.1.5 On the PC, locate the Windows Desktop shortcut labeled Waters OI TestExec. Double click on it to launch the Waters Operator Interface for testing applications.
 - 7.1.6 Wrist strap shall be worn and properly grounded at all time.
 - 7.1.7 Before testing, check the 180 pins connector from the plexi-glass fixture is in good condition. If found any damage or poor contact, inform technician to replace the connector
- 7.2 Test Procedure
- 7.2.1 Place the UUT on the test fixture connect the high-density cable to the 180-pin connector/ribbon-cable from the plexi-glass fixture to the UUT.
 - 7.2.2 Plug temperature simulator module into J8A,J8B,J9 of UUT(only for W121000021820 and W1210000460)
 - 7.2.3 Select the UUT, press the SELECT UUT KEY.





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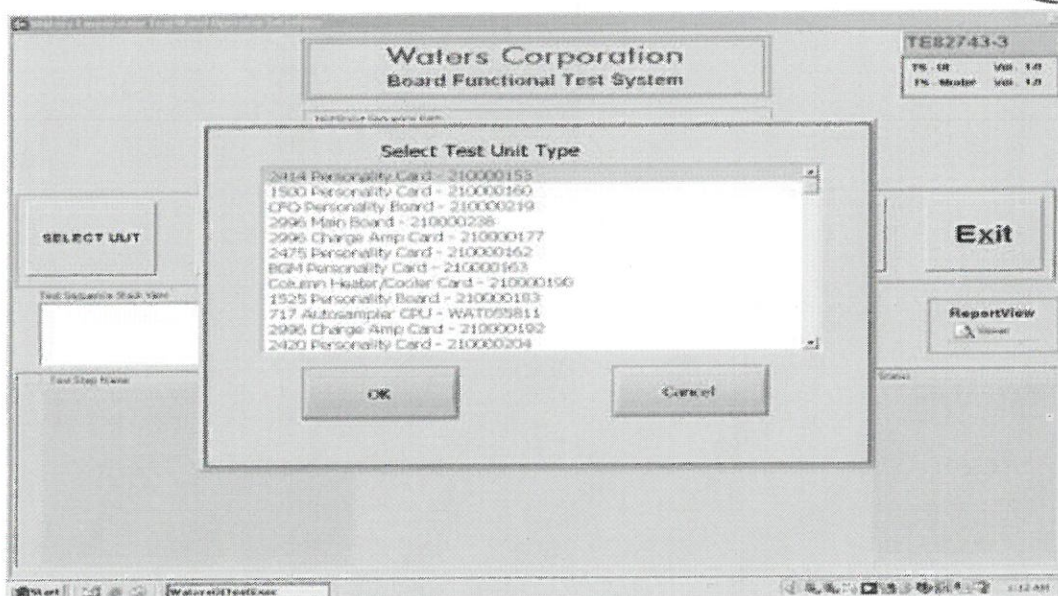
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VENTURE

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DOCUMENT CONTROL



7.2.4 For W1210000218 and W1210000456, Select **PCM Personality card-210000218** and hit OK.

7.2.5 For W121000021820 and W1210000460, Select **TCM Personality card-21000021820** and hit OK.

7.2.6 Press START TEST to launch the application.

7.2.7 A window will pop up asking for the UUT serial number.

7.2.8 Scan the bar code serial number of the UUT and enter to start testing.

7.2.9 The Vacuum will turn on to pull the UUT down onto the bed of nails. The system will verify proper seating of the top plate on the fixture and then power will be applied. The testing will now begin.



Please verify with lotus notes masterlist that this is the latest revision before use



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7.2.10 Upon completion of the test, the vacuum will release and the results (pass, fail) will be displayed.

7.2.11 Failures will be displayed in an open window on the monitor.

7.2.12 Those UUT failed, tag them with reject tag with the failure description and send to debug .

7.2.13 Those UUT passed, stamping a FCT stamp. Refer process manual for further instructions.



8.0 RECORDS CONTROL

N.A

9.0 ATTACHMENTS

NA

