

# EMI Test Report

Tested in accordance with  
Federal Communications Commission (FCC)  
Personal Communications Services  
CFR 47, Part 15 Subpart C  
&  
Industry Canada (IC) RSS-210, RSS-GEN




**A division of Research In Motion Limited**

**REPORT NO.:** RTS-2474-1001-39

**PRODUCT MODEL NO.:** RCV71UW  
**TYPE NAME:** BlackBerry® smartphone  
**FCC ID:** L6ARCV70UW  
**IC:** 2503A-RCV70UW

**DATE:** 26 March, 2010

|   |  |                             |
|---|--|-----------------------------|
|  | EMI Test Report for the BlackBerry® smartphone Model RCV71UW |                             |
| Test Report No.<br>RTS-2474-1001-39   |  | Author Data<br>Michael Cino |

**Statement of Performance:**

The BlackBerry® smartphone, model RCV71UW, part number CER-27174-001 Rev. 6, and its accessories perform within the requirements of the test standards when configured and operated under RIM's operation instructions.

**Declaration:**

We hereby certify that:

The test data reported herein is an accurate record of the performance of the sample(s) tested.

The test results are valid for the tested unit (s) only.

The test equipment used was suitable for the tests performed and within manufacturer's published specifications and operating parameters.

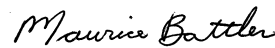
The test methods were consistent with the methods described in the relevant standards.

Documented by:



Michael Cino  
Regulatory Compliance Associate  
Date: March 26, 2010

Reviewed by:




Maurice Battler  
Compliance Specialist  
Date: March 26, 2010

Reviewed and Approved by:



Masud S. Attayi, P.Eng.  
Manager, Regulatory Compliance  
Date: March 29, 2010

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## A. Scope

This report details the results of compliance tests which were performed in accordance to the requirements of:

- o FCC CFR 47 Part 15, Subpart C, October, 2009
- o Industry Canada, RSS-210, Issue 7, June 2007, Low Power Licence-Exempt Radiocommunication Devices
- o Industry Canada, RSS-GEN, Issue 2, June 2007, General Requirements and Information for the Certification of Radiocommunication Equipment

## B. Associated Documents

1. RTS-2474-1001-38
2. Cetecom Test Report Number 1-2031-01-08\_10\_FCC\_BT
3. Cetecom Test Report Number 1-2031-01-10\_10\_WLAN
4. RCV71UW\_RCX71UW\_cct\_differences\_document\_v\_2\_0

## C. Product Identification

Manufactured by Research In Motion Limited whose headquarters is located at:

295 Phillip Street  
Waterloo, Ontario  
Canada, N2L 3W8  
Phone: 519 888 7465  
Fax: 519 888 6906

The equipment under test (EUT) was tested at the following locations:


### RIM Testing Services EMI test facilities

305 Phillip Street  
Waterloo, Ontario  
Canada, N2L 3W8  
Phone: 519 888 7465  
Fax: 519 888 6906

440 Phillip Street  
Waterloo, Ontario  
Canada, N2L 5R9  
Phone: 519 888 7465  
Fax: 519 888 6906

### CETECOM ICT Services GmbH

Untertürkheimer Str. 6 – 10  
D-66117 Saarbrücken  
Germany

|   |  |  |  |
|---|--|--|--|
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#### D. Test Results Chart

| SPECIFICATION              |                    | TEST TYPE  | Meets Requirements                                       | TEST DATA |
|----------------------------|--------------------|--|--|-----------|
| FCC CFR 47                 | IC                 |  |  | APPENDIX  |
| Part 15.207                | RSS-210<br>RSS-GEN | Conducted AC Line Emission   | See Test Report Number<br>RTS-2474-1001-38               | 1         |
| Part 15.209<br>Part 15.247 | RSS-210<br>RSS-GEN | BT Radiated Spurious Emissions and Radiated Band Edge Compliance           | See Cetecom Test Report Number<br>1-2031-01-08_10_FCC_BT | N/A       |
| Part 15.209<br>Part 15.247 | RSS-210<br>RSS-GEN | 802.11 b/g/n Radiated Spurious Emissions and Radiated Band Edge Compliance | See Cetecom Test Report Number<br>1-2031-01-10_10_WLAN   | N/A       |
| Part 15.247(a)             | RSS-210            | BT, 20 dB Bandwidth  | See Test Report Number<br>RTS-2474-1001-38               | 3         |
| Part 15.247(a)             | RSS-210            | BT, Carrier Frequency Separation   | See Test Report Number<br>RTS-2474-1001-38               | 3         |
| Part 15.247(a)             | RSS-210            | BT, Number of Hopping Frequencies  | See Test Report Number<br>RTS-2474-1001-38               | 3         |
| Part 15.247(a)             | RSS-210            | BT, Time of Occupancy (Dwell Time)   | See Test Report Number<br>RTS-2474-1001-38               | 3         |
| Part 15.247(b)             | RSS-210            | BT, Maximum Peak Conducted Output Power                                    | See Test Report Number<br>RTS-2474-1001-38               | 3         |
| Part 15.247(c)             | RSS-210            | BT, Band-Edge Compliance of RF Conducted Emissions                         | See Test Report Number<br>RTS-2474-1001-38               | 3         |
| Part 15.247(c)             | RSS-210            | BT, Spurious RF Conducted Emissions  | See Test Report Number<br>RTS-2474-1001-38               | 3         |
| Part 15.247(b)             | RSS-210            | 802.11b/g/n, 6 dB Bandwidth  | See Test Report Number<br>RTS-2474-1001-38               | 4         |
| Part 15.247(b)             | RSS-210            | 802.11b/g/n, Maximum Conducted Output Power                                | See Test Report Number<br>RTS-2474-1001-38               | 4         |
| Part 15.247(b)             | RSS-210            | 802.11b/g/n, Band-Edge   | See Test Report Number<br>RTS-2474-1001-38               | 4         |
| Part 15.247(b)             | RSS-210            | 802.11b/g/n, Peak Power Spectral Density                                   | See Test Report Number<br>RTS-2474-1001-38               | 4         |
| Part 15.247(b)             | RSS-210            | 802.11b/g/n, Spurious RF Conducted Emissions                               | See Test Report Number<br>RTS-2474-1001-38               | 4         |