



**Declaration of Conformity**  
regarding  
**Exposure of Humans to RF Fields**  
for the  
**Model RAP40GW, BlackBerry 7290 Wireless Handheld**

Research In Motion Limited, hereby declares under its sole responsibility that the model RAP40GW, BlackBerry 7290 Wireless Handheld (EUT), is in conformity with the RF exposure limits for humans, as specified in Health Canada's Safety Code 6 - 1999, and reproduced in RSS-102, Issue 1- September 25, 1999 for uncontrolled environment/general population exposure limits. The SAR was evaluated with the guidance of IEEE Std. C95.3-1991, IEEE 1528-2003 and Health Canada's Safety Code 6 - 1999.

The RIM RAP40GW is a portable device, designed to be used in direct contact with the user's head and to be carried in approved holsters when carried on the user's body. This wireless handheld operates in the GSM 850 and GSM 1900 modes for North America with a maximum conducted RF output power of 33.0 dBm (GSM 850), 30.0 dBm (GSM 1900) with a maximum duty cycle of 12.5 % and Bluetooth (2400 MHz) with a maximum conducted power of 3.5 dBm. All the SAR measurements were performed at the maximum power and duty cycle for all configurations.

The EUT was tested for the right and left sides of the head, in both the touch and tilt positions. The maximum GSM 850 band 1g head SAR (0.26 W/kg) was found to occur with the middle frequency of 836.80 MHz, on the right head side in the touch position. And the maximum GSM 1900 band 1g head SAR (0.31 W/kg) was found to occur with the middle frequency of 1880.00 MHz, on the right head side in the tilted position.

This EUT was also tested for body SAR exposure, using four different holsters with a built-in belt clip. The worst-case body SAR occurs with the device facing away from the foam holster's belt-clip. The maximum GSM 850 band 1 g body SAR (1.06 W/kg) was found to occur with the middle frequency of 836.80 MHz. And the maximum GSM 1900 band 1 g body SAR (1.38 W/kg) was found to occur with the high frequency of 1909.80 MHz.

The EUT was tested with and without the headset (model HDW-03458-001), with three different batteries and with Bluetooth ON. The SAR values mentioned above are the worst case which includes test result with each of the three batteries, headset and Bluetooth ON. It was found that the SAR values were lower while the headset was attached.

Based on the test results, and on how the devices shall be marketed and used, it is certified that the product meets the requirements as set forth in the above specifications, for exposure of humans to RF fields.

**SAR testing performed  
and documented by:**

Daoud Attayi  
Compliance Specialist

**Signatures**

**Date**

July 09, 04

**Approved by:**

Paul G. Cardinal, Ph.D.  
Manager, Compliance  
& Certification

July 13, 04