



Research In Motion Limited  
295 Phillip Street  
Waterloo, Ontario  
Canada N2L 3W8  
+1 519 888 7465, fax +1 519 888 6906  
E-mail: [info@rim.net](mailto:info@rim.net)

Our Ref: 02928-CERT-Cover-Letter Mod

July 27, 2001

Federal Communications Commission  
Equipment Authorization Division  
Application Processing Branch  
7435 Oakland Mills Rd.  
Columbia, Md. 21046

FCC ID: L6AR1900G-1-4  
Subject: FCC Part 24 Certification Application for Research In Motion Limited, BlackBerry Handheld Model R1900G-1-4

Research In Motion Limited (RIM) herein is submitting updated Exhibits: RF exposure SAR report, EIRP report and Test setup photos for its BlackBerry Handheld Model R1900G-1-4 for Part 24 Certification. Currently all of the different stages of the FCC review or our originally submitted Exhibits have been completed and our application is on deferral.

The reason for updating the above three Exhibits of our original submission is a slight change of the antenna that was necessary to accommodate our manufacturing requirement of dual sourcing of the handheld battery and LCD. The tests that were selected to be reperformed were due to our analysis of the effect of the change, to the best of our knowledge.

The worst case EIRP from the four LCD and battery configurations is 31.4dBm – the same as previously reported.

The impact of the various configurations on SAR was explored with RIM's R&D SAR facility. It was determined that the worst case configuration for SAR was the Epson LCD with the Toshiba battery and that the SAR dropped 3% by switching to the GS Melcotec battery and 6% by switching to the Samsung LCD (with Toshiba battery). The worst case configuration was then explored in detail at an accredited lab whose results are presented in the new SAR report. The worst case SAR for the user is 17% higher (hand or holster) than previously reported – 0.14W/kg maximum 1g average in the holster (1.6 W/kg limit) and 1.70 W/kg 10g average in the hand (4.0 W/kg limit).

Therefore, for the purposes of the grant, please use the SAR and EIRP results from the above mentioned reports.

All of the selected tests were performed in compliance with Parts 2 and 24 of the FCC Rules by UltraTech Engineering Labs Inc., and APREL Laboratories as indicated in the attached Exhibits.

Should you require additional information, or have any questions, please do not hesitate to contact the undersigned.

Yours truly,

Masud S. Attayi, P.Eng.  
Senior Certification Engineer  
Research In Motion Limited  
Tel: +1 519 888-7465 x2442  
Fax: +1 519 888-6906  
Email: [mattayi@rim.net](mailto:mattayi@rim.net)