



Research In Motion Limited  
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E-mail: [info@rim.net](mailto:info@rim.net)

Our Ref: 01947-CERT-FCC-Cover-022

April 6, 1999

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

FCC ID: L6AR902M-2-O  
Subject: FCC Part 90 Type Acceptance Application for Research In Motion Limited,  
Model R902M-2-O

This is to inform that Research In Motion is submitting a new filing for our radio modem Model R902M-2-O for Type Acceptance.

The Model R902M-2-O is a radio modem intended for integration into other equipment to allow wireless data communication.

All required tests in compliance with Parts 2 and 90 of the FCC Rules including MPE have been completed by Com-Serve Corporation (Electrohome Electronics Ltd. – Roseville), APREL Laboratories and Research In Motion with satisfactory results as provided in the attached Exhibits.

All required tests in compliance with Part 15 of the FCC Rules have been completed by Com-Serve Corporation with satisfactory results and kept on file for “Verification” requirements pursuant to Section 15.101(b) of FCC rules. Please see attached a copy of a letter from Mr. Charles Cobbs from FCC dated September 17, 1998 as a supporting document to this.

Research In Motion would like to request confidentiality as indicated in the Form 731, Item 8 and as requested in the letter Ref: 01947-CERT-FCC-Cover-021, under Exhibit “Covering Letters”.

Please do hesitate to call at (519) 888-7465 x442 or email at [mattayi@rim.net](mailto:mattayi@rim.net) should you require additional information or have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read 'M. Attayi', with a long horizontal flourish extending to the right.

Masud S. Attayi, P.Eng.  
Senior Certification Engineer  
Research In Motion Limited  
( 519 ) 888 – 7465 x 442  
[mattayi@rim.net](mailto:mattayi@rim.net)



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Our Ref: 01947-CERT-FCC-COVER-021

April 9, 1999

Federal Communication Commission  
Equipment Authorization Division  
Application Processing Branch  
7435 Oakland Mills Road  
Columbia, MD 21045

Reference : FCC ID : L6AR902M-2-O  
Subject : Letter requesting confidentiality of R902M-2-O radio modem device FCC type acceptance application.

Pursuant to CFR 47 Chapter 1 Section 0.459, Research In Motion Limited (RIM) requests that the following identified detailed technical information regarding the R902M-2-O device be held confidential by the Federal Communication Commission (FCC) and as such be withheld from public inspection.

Pursuant to CFR 47 Chapter 1 Sections 0.457(d) and 0.457(d)(2)(i) the exhibits contain details of trade secrets and technical data that is customarily guarded from competitors and not released to the public by Research In Motion Limited.

The specific parts of the Exhibits indicated in this letter are considered confidential by RIM and as such should be prevented from disclosure to public and competitors.

RIM has taken necessary measures to have limited access to confidential documents only to RIM internal employees on a need-to-know basis, and have signed confidentiality agreements with employees.

If the disclosure of such information is made public, it will cause serious competitive harm to RIM. Previously, none of the requested confidential Exhibits have been disclosed to third parties by RIM.

RIM requests the FCC office to keep the Exhibits mentioned here from disclosure to third parties for the time frame of 5 years. The confidentiality period of five years that we have requested is necessary to maintain trade secrets and other proprietary information contained in the components of our products. The period has been selected so as to permit RIM to recoup its research and development expenses that have been incurred to develop such information and trade secrets and to ensure that those items that can be the subject of patents are adequately protected. A shorter period of time would require RIM to divulge information that, because of its secret nature, gives RIM a marketing or technological advantage over its competitor while such information has economic or technical value. Such an event would place an undue burden on RIM, a burden RIM should not have to bear in order to obtain an equipment grant from the FCC.

The following Exhibits with specific sections described, submitted with the Form 731 Attachments should be held confidential:

Exhibit Parts List/Tune Up Info	Section 010-9-1 and 010-9-2, CFR 47 Section 2.983(d)(9) - Description of operational, test, and device tune-up technical procedure-“DOC-01606-007”, and operators’ manual-“DOC-01606-008” Section 010-10, CFR 47 Section 2.983(d)(10) - Description of frequency stabilizing circuitry
Exhibit Parts List/Tune Up Info	Section 010-11-1, CFR 47 Section 2.983(d)(11) - Description of circuits for suppression of spurious radiation Section 010-11-2, CFR 47 Section 2.983(d)(11) - Description of circuits for modulation limiting Section 010-11-3, CFR 47 Section 2.983(d)(11) - Description of circuits for power limiting
Exhibit Operational Description	Section 010-12 and 010-12-1, CFR 47 Section 2.983(d)(12) - Description of digital modulation format and necessary bandwidth
Exhibit Parts List/Tune Up Info	Section 010-12-2 and 010-12-3, CFR 47 Section 2.983(d)(12) – Modulation generation methods and circuits. Detailed diagrams of modulation format and generation methods and circuits
Exhibit Operational Description	Section 011-1 and 011-2, CFR 47 Sections 2.975(a)(3), 2.983(d)(6) and 2.1033(b)(4) - Detailed system and functional description
Exhibit Parts List/Tune Up Info	Section 011-3, CFR 47 Sections 2.975(a)(3), 2.983(d)(6) and 2.1033(b)(4) - Detailed technical RF and electrical circuit description
Exhibit Block Diagram	01947-CERT-FCC-BLOCK-“R902M-2-O RADIO BLOCK”, CFR 47 Section 2.983(d)(6) – Detailed technical radio modem block diagram
Exhibit Schematics	“Tadpole OEM” SCH-01947-001, CFR 47 Section 2.983(d)(7) - Complete technical schematic circuit diagrams

Yours truly,



Masud S. Attayi, P.Eng.  
Senior Certification Engineer  
Research In Motion Limited  
( 519 ) 888 – 7465 x 442  
mattayi@rim.net

FEDERAL COMMUNICATIONS COMMISSION  
Equipment Authorization Division  
7435 Oakland Mills Road  
Columbia, MD 21046  
September 17, 1998

31010EQU 4-3-1

Mr. Bryan Taylor  
Research In Motion Ltd  
295 Phillip Street  
Waterloo, Ontario, CANADA

Re: Your application for equipment authorization dated March 30, 1998.  
Equipment Classification: Low Power Communication Device Receiver  
FCC ID: L6AR900M-2-PW (Receiver portion)

Dear Mr. Taylor:

The above referenced application is hereby DISMISSED without action and returned as unnecessary pursuant to Section 2.917(b) of the rules.

Any receiver that is part of a transmitter and is required to be "Notified" under the Commission's present rules, will be reduced to a "verification" self-approval when the transmitter is certified or Type Accepted, see Section 15. 101(b) of our rules.

The Commission's Laboratory staff will begin the process to refund the filing fee of \$895.00. Since refund checks are issued by the U.S. Treasury Department, it may take as long as eight week for the refund to arrive.

Sincerely,



Charles M. Cobbs, Chief  
Applications Processing Branch

Enclosure  
Incoming

Mail to:

Marstech Limited  
11 Kelfield Street  
Etobicoke, Ontario, CANADA  
M9W 5A1

**FEDERAL COMMUNICATIONS COMMISSION**  
Equipment Authorization Division, Application Processing Branch  
7435 Oakland Mills Road, Columbia, MD 21046  
Telephone: (301) 725-1585, Facsimile: (301) 344-2050  
May 5, 1998

**TO:** Masud Attayi  
**ORGANIZATION:** Research In Motion, Limited

**PHONE NUMBER:** 519-888-7465                      **FAX NUMBER:** 519-888-6906

**FROM:** Richard Fabina  
**NO. OF PAGES:** 1

Please direct inquiries, if any, to the sender at extension 220.

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Dear Mr. Attayi:

The following is in response to a fax from Mr. Robert Marshall of Marstech Limited, your fax of April 24, 1998 and our previous telephone conversation. In these communications, you ask what authorization requirement is required for a radio monitor board (P/N 01585002) that is marketed with a Research In Motion (RIM) radio modem R900M-2-O for evaluation and application development. The radio modem board facilitates R900M-2-O modem connection to a computer because it translates the TTL signals from the modem to RS-232 levels and provides regulated DC power for testing purposes. The radio modem board is only marketed to developers of the R900M-2-O modem and is not marketed to an end user. Therefore, it is used only in industrial and compliance testing environments.

Because of RIM's marketing strategy and the radio modem's limited application or use, the radio modem board (P/N 01585002) is subject only to the Verification requirements for a Part 15, Class A digital device.

Please insert a copy of this reply with any application for equipment authorization that includes the use of the radio modem board in its test configuration. This should alleviate any of the Commission's concerns about the authorization requirements of this radio modem board.

I trust that this has answered your questions. However, if you have any additional questions about this matter, please contact me at the address or telephone number above.

cc: Robert Marshall of Marstech Limited via fax @ 416-246-1020