

## **FCC ID: ESD-SA806866R8**

### **Exhibit 1**

- a)Application overview**
- b)Equipment: Rugged handheld computer with integrated wireless communications(Using an approved radio modem  
FCC ID:L6AR802D-2-0)**
- c)Authorization Letter /Agent Designated (Jay Sarkar)**
- d)Request for confidentiality**
- e)Letter from Research In Motion. authorizing to use FCC approved  
(FCC ID L6AR802D-2-0) radio modem in Melard Sidearm ALL-  
Terrain Handheld PCä**

Date: January 29, 2001

Federal Communications Commission  
Equipment Approval Services  
7435 Oakland Mills Road  
Columbia, MD 21046

**Subject: FCC Part 90 Certification of Melard's Rugged handheld computer with integrated wireless communications using a Research in Motion R802D radio modem (transmitter) module (FCC ID L6AR802D-2-0), Ardis**

Gentlemen:

Enclosed herewith, please find an application for Part 90 Certification on behalf of Melard Technologies Inc., on their product: **Rugged handheld computer with integrated wireless communications (Sidearm All-Terrain Handheld PC)**. This product incorporates a Research in Motion 802D radio modem module (FCC ID L6AR802D-2-0). In submitting the application, we are requesting for certification of the final integrated product under an unique FCC ID (see below) using Melard's own grantee code. The final integrated product has been tested in accordance with the applicable requirements of parts 2 and 90. The test data are presented in Exhibit 2. Based on the test data it is concluded that the final integrated product meets the applicable requirements of the above standards.

**FCC ID:** ESD-SA806866R8  
**PRODUCT:** Rugged handheld computer with integrated wireless Communication  
**MODEL:** Sidearm ALL-Terrain Handheld PC™ with a Rim 802D radio modem module (FCC ID L6AR802D-2-0, Ardis)  
**EUT TYPE:** Licensed Non-Broadcast Station Transmitter (TNB)  
**TX Frequency:** 806-821 MHz  
**MEASURED ERP:** 0.661 W

Enclosed please find: Letter of Authorization, Request for Confidentiality Letter, Letter from RIM to use RIM Ardis 802D radio modem in Melard Sidearm ALL-Terrain Handheld PC, ERP Report, Report for Field Strength for Spurious Radiation (Measurement Data, Test set-up photographs), and test data for Bandwidth/Bandwidth Limitation, Spurious Emissions for Antenna Terminal, Frequency Stability and SAR Report, FCC ID Label, internal and external photographs, block diagram (confidential), Schematic diagram (confidential), technical description, parts list and tune-up procedure (Confidential<sup>1</sup>), user manual, and the letters for FCC Part 15 compliance and the attestation statement that the final integrated product complies with Part 90.

Best Regards

  
Jayanta (Jay) K. Sarkar  
Technical Director, Standards and Certification  
Telephone: (613) 820-2730  
Fax: (613) 820-4161  
e-mail: [J.Sarkar@aprel.com](mailto:J.Sarkar@aprel.com)

"SOLUTIONS FOR THE WIRELESS FUTURE"

## EQUIPMENT

**PRODUCT:** Rugged handheld computer with integrated  
wireless communications

**MODEL:** Sidearm ALL-Terrain Handheld PCä

**MANUFACTURER:** Melard Technologies Inc.

<b>FCC ID:</b>	<b>ESD-SA806866R8</b>
<b>PRODUCT:</b>	<i>Rugged handheld computer with integrated wireless communications</i>
<b>MODEL:</b>	<b>Sidearm ALL-Terrain Handheld PCä</b> with a <i>Research In Motion</i> <i>Ardis Transmitter (FCC ID: L6AR802D-2-0)</i>
<b>EUT TYPE:</b>	<b>Licensed Non-Broadcast Station Transmitter (TNB)</b>
<b>TX Frequency:</b>	<b>806-821 MHz</b>
<b>MEASURED ERP:</b>	<b>0.661 W</b>



Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia MD 21406

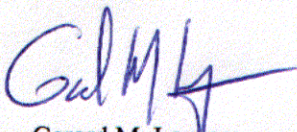
**Subject:** Authorization Letter  
**FCC ID:** ESD-SA806866R8

To Whom It May Concern:

We the undersigned, hereby authorize Jay Sarkar of APREL Laboratories, to act on our behalf in all matters relating to equipment authorization, including the signing of all documents relating to these matters. Any and all acts carried out by APREL Laboratories on our behalf shall have the same effect as acts of our own.

We also certify that no party to this application is subject to denial of benefits, pursuant to Section 301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C.853(a).

Sincerely,



Gerard M. Lazzaro  
V.P. Engineering  
Melard Technologies, Inc.  
28 Kaysal Court  
Armonk, NY 10504  
914-273-4488



Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia MD 21406

**Reference:** FCC ID: *ESD-SA806866R8*

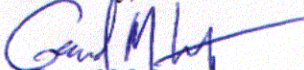
**Subject:** Letter requesting confidentiality of *Sidearm All-terrain Handheld PC™*  
FCC type acceptance application.

Pursuant to CFR 47 Chapter 1 Section 0.459, *Melard Technologies, Inc.* request that the following identified detailed technical information regarding the *Sidearm All-terrain Handheld PC™* device be held confidential by the Federal Communications Commission (FCC) and as such be withheld from public inspection. Pursuant to CFR 47 Chapter 2 Section 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 *Melard Technologies, Inc.*

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

Exhibit 3 - Technical Description and Tune-Up Procedure  
Exhibit 6 - Block Diagram  
Exhibit 7 - Schematic Diagram

Sincerely,



Gerard M. Lazzaro  
V.P. Engineering  
Melard Technologies, Inc.  
28 Kaysal Court  
Armonk, NY 10504  
914-273-4488



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)

Ref: ESD-SA806866R8

Dec. 8, 2000

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

To whom it may concern,

Melard Technologies, Inc., of 28 Kaysal Court Armonk, NY 10504, is our customer in good standing and will be producing a Sidearm All-terrain Handheld product which incorporates the RIM 802D radio modem module (FCC ID L6AR802D-2-O).

Melard Technologies, Inc. will be submitting an application for certification of the final integrated product with a unique FCC ID using their own grantee code. Melard Technologies, Inc. will submit SAR and ERP data for the final integrated product. For information about the radio modem module please refer to RIM's submission FCC ID L6AR802D-2-O.

In the past, this method has allowed our customers to integrate the radio modem module without repeating FCC part 90 testing or accessing RIM proprietary confidential information. RIM does not disclose proprietary confidential information about our products. Our FCC submissions are considered proprietary confidential information.

Should you have any questions, please do not hesitate to contact our Senior Certification Engineer, Masud Attayi, at (519) 888-7465 x2442 or by email at [mattayi@rim.net](mailto:mattayi@rim.net).

Yours truly,

Andy Clipsham  
OEM Product Manager  
Research In Motion Limited  
+1-519-888-7465 x2482  
[aclipsham@rim.net](mailto:aclipsham@rim.net)