

FCC ID: ESD-SA824894NE

Exhibit 1

- a)Application overview**
- b)Equipment: Rugged handheld computer with integrated wireless communications(Using an approved radio modem
FCC ID:NBZNRM-6832)**
- c)Authorization Letter /Agent Designated (Jay Sarkar)**
- d)Request for confidentiality**
- e)Letter from Novatel Wireless Technologies. authorizing to use FCC
approved (FCC ID NBZNRM-6832) radio modem in Melard Sidearm
ALL-Terrain Handheld PCä**

Date: January 18 , 2001

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

Subject: FCC Part 22 Certification of Rugged handheld computer with integrated wireless communications using a radio modem (transmitter), Novatel CDPD, approved under FCC ID NBZ NRM-6832.

Gentlemen:

Enclosed herewith, please find an application for Part 22 Certification on behalf of Melard Technologies Inc., on their product/equipment: ***Rugged handheld computer with integrated wireless communications***. This equipment (To be approved under FCC ID ESD-SA824894NE) uses a Novatel CDPD radio modem which is already approved by FCC under FCC ID NBZNRM-6832.

FCC ID: *ESD-SA824894NE*
PRODUCT: *Rugged handheld computer with integrated wireless communications*
MODEL: *Sidearm ALL-Terrain Handheld PC ^ä with a Novatel NRM6832 Transmitter (FCC ID: NBZNRM6832)*
EUT TYPE: *Licensed Non-Broadcast Station Transmitter (TNB)*
TX Frequency: *824-849 MHz*
MEASURED ERP: *0.427 W*

Enclosed please find: Letter of Authorization, Request for Confidentiality Letter, Letter from Novatel Wireless to use CDPD 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 (Confidential¹), user manual, and the letters for FCC Part 15 compliance and the attestation statement that the above equipment (Sidearm ALL-Terrain Handheld PC) complies with Part 22.

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

EQUIPMENT

PRODUCT: Rugged handheld computer with integrated
wireless communications

MODEL: Sidearm ALL-Terrain Handheld PCä

MANUFACTURER: Melard Technologies Inc.

FCC ID:	ESD-SA824894NE
PRODUCT:	<i>Rugged handheld computer with integrated wireless communications</i>
MODEL:	Sidearm ALL-Terrain Handheld PCä with a Novatel NRM6832Transmitter (FCC ID: NBZNRM6832)
EUT TYPE:	Licensed Non-Broadcast Station Transmitter (TNB)
TX Frequency:	824-849 MHz
MEASURED ERP:	0.427 W

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

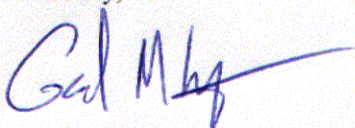
Subject: Authorization Letter
FCC ID: ESD-SA824894NE

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-SA824894NE*

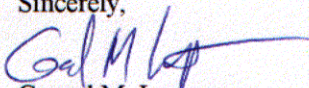
Subject: Letter requesting confidentiality of *Sidearm All-terrain Handheld PCTM*
FCC type acceptance application.

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 PCTM* 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



Novatel Wireless Inc.
Suite 200, 6715 8th St. NE
Calgary, Alberta
Canada T2E 7H7

Wednesday, November 08, 2000

REF: Expedite Modem Certification

For : Dariush Shemtov
Melard Technologies Inc.
28 Kaysal Court
Armonk, New York
USA 10504

To whom it may concern,

Melard Technologies Inc, is our customer in good standing and will be producing a Windows CE product which incorporates the Novatel Wireless NRM6832 (Expedite) radio modem module (FCC ID **NBZNRM – 6832**, Industry Canada **Certificate No. 10159A, Certification No. 3229182311A**).

Melard Technologies Inc. will be submitting their unit, incorporating the Expedite, for certification of the final integrated product with a unique FCC and Industry Canada ID using their own grantee code. Melard will also require SAR and ERP testing for the final integrated product. For more information about the radio modem module please refer to Novatel's FCC ID or Industry Canada submission (attached).

Should you have any questions, please do not hesitate to contact our Senior Certification Manager, Merv Coleman at (403) 295 4813 or by email at mcoleman@novatelwireless.com

For questions regarding Melard Technologies, please contact Dariush Shemtov at 914-273-4488 x 333 or by email at dshemtov@melard.com

Yours truly,

David S. McNab

Product Manager
Embedded Products Group
Phone (403) 295 4823
dmcnab@novatelwireless.com

NOVATEL WIRELESS, INC.
SUITE 200, 6715 8TH STREET N.E., CALGARY, ALBERTA, CANADA T2E 7H7
TELEPHONE (403) 295-4800 FACSIMILE (403) 295-4801



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

GRANT OF EQUIPMENT AUTHORIZATION

Certification

Novatel Wireless Technologies Ltd
6715 8th Street N.E., Suite 200
Calgary Alberta Canada T2E

Date of Grant: 4/14/99

Application Dated: 12/9/98^V

Attention: Frederick Walker, Product Director

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for
the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER

NBZNRM-6832

Name of Grantee

Novatel Wireless Technologies Ltd

Equipment Class : Licensed Non-Broadcast Station Transmitter

Notes: CDPD Module

Grant Notes

FCC Rule Parts

Frequency Range (MHZ)

<u>Output</u>	<u>Frequency</u>	<u>Emission</u>
<u>Watts</u>	<u>Tolerance</u>	<u>Designator</u>
0.6	2.5 PM	28K8FXW

22.901(d)

824 - 849

Power output listed is conducted power at the antenna terminals of the transmitter. Unit may be used with indoor antennas having gain not exceeding 2.15 dBi or with outdoor antennas yielding 1.5 W ERP total system output to satisfy MPE limits. The transmitter is approved for integration into OEM products that meet RF exposure requirements for mobile transmitting devices only. The final product must operate at 20 cm or more from all persons in order to satisfy MPE criteria. A warning label identical to that in the installation manual must be displayed on the final OEM product and be visible by all persons exposed to the transmitter to satisfy MPE compliance.

Mail To:

Morton Flom, President
M. Flom Associates Inc
3356 N San Marcos Place, Suite 107
Chandler, AZ 85224-1571

9812168315842002

In correspondence concerning this grant, please refer
to the FCC IDENTIFIER and the date of grant.

FCC 731A
October 1991

NOVATEL WIRELESS, INC.

SUITE 200, 6715 8TH STREET N.E., CALGARY, ALBERTA, CANADA T2E 7H7
TELEPHONE (403) 295-4800 FACSIMILE (403) 295-4801