

FCC ID: ESD-SA824894S3

Exhibit 1

- a)Application overview
- b)Equipment: Rugged handheld computer with integrated wireless communications(Using an approved radio modem
FCC ID:N7NOEM2)
- c)Authorization Letter /Agent Designated (Jay Sarkar)
- d)Request for confidentiality
- e)Letter from Sierra Wireless. authorizing to use FCC
approved (FCC ID N7NOEM2) radio modem in Melard Sidearm
ALL-Terrain Handheld PC ä



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 Sierra Wireless CDPD SB300 Series radio modem FCC ID N7N0EM2.

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 incorporates Sierra Wireless SB300 CDPD radio modem (transmitter) which is already approved by FCC under FCC ID N7N0EM2.

FCC ID: ESD-SA824894S3
PRODUCT: Rugged handheld computer with integrated wireless communications
MODEL: Sidearm ALL-Terrain Handheld PC™ with a Sierra Wireless CDPD SB300 transmitter (FCC ID N7N0EM2)
EUT TYPE: Licensed Non-Broadcast Station Transmitter (TNB)
TX Frequency: 824-849 MHz
MEASURED ERP: 0.398 W

Enclosed please find: Letter of Authorization, Request for Confidentiality Letter, Letter from Sierra 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

"SOLUTIONS FOR THE WIRELESS FUTURE"

EQUIPMENT

PRODUCT: Rugged handheld computer with integrated
wireless communications

MODEL: Sidearm ALL-Terrain Handheld PC ä

MANUFACTURER: Melard Technologies Inc.

FCC ID:	ESD-SA824894S3
PRODUCT:	<i>Rugged handheld computer with integrated wireless communications</i>
MODEL:	Sidearm ALL-Terrain Handheld PC ä with a <i>Sierra Wireless SB300Transmitter (FCC ID: N7NOEM2)</i>
EUT TYPE:	Licensed Non-Broadcast Station Transmitter (TNB)
TX Frequency:	824-849 MHz
MEASURED ERP:	0.398 W



MELARD TECHNOLOGIES, INC. 28 Kaysal Court, Armonk, New York 10504 (914) 273-4488 FAX (914) 273-1775

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

Subject: Authorization Letter
FCC ID: ESD-SA824894S3

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



MELARD TECHNOLOGIES, INC. 28 kaysal Court, Armonk, New York 10504 (914) 273-4488 FAX (914) 273-1775

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

Reference: FCC ID: *ESD-SA824894S3*

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



Sierra Wireless, Inc.
13575 Commerce Parkway
Suite 150
Richmond, BC
Canada V6V 2L1

Phone: 604. 231 1100
Fax: 604. 231 5982

December 19, 2000

To Whom It May Concern:

This letter is in regards to the FCC certification of Melard Technologies' product into which Sierra Wireless OEM modules are integrated.

I hereby grant formal approval to Melard Technologies Inc. to utilize Sierra Wireless' Part 22 FCC Certification (FCC ID: N7NOEM2) for the purposes of obtaining Melard Technologies' own FCC Certification for the Sidearm All-terrain Handheld product.

If you have any further questions, please contact me. All relevant documentation should be sent to Sierra Wireless, care of myself.

Sincerely,

William R. Neill
OEM Product Manager
Sierra Wireless