

Matsushita Electric Corporation of America

Product Safety & Compliance Division

Panasonic Quasar Technics

1 Panasonic Way, 4B-8

Secaucus, NJ 07094

Fax: (201) 392-4564

e-mail: MullenR@panasonic.com

Richard Mullen

Group Manager

Tel: (201) 348-7758

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PCPD-01-F016

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Federal Communications Commission

Equipment Approval Services

P.O. Box 358315

Pittsburgh, PA 15251-5315

Subject: Original Certification Application for Part 24E - Licensed Portable Transmitter
 GSM Module For Use With Panasonic Notebook Computer, Model CF-27 Series
 FCC ID: ACJ9TGCF-27GPRS

Gentlemen:

Enclosed, find Matsushita Electric Industrial Co., Ltd.'s Application for Equipment Authorization dated August 6, 2001. The end-product Notebook Computer is a composite device subject to FCC Part 15B Declaration of Conformity; and its internal mounted GSM Module subject to FCC Part 24E Certification.

The GSM Module is being filed under confidentiality, pursuant to 47 CFR §0.459 of FCC Rules. This module is manufactured by Wavcom and its schematic diagrams and critical parts list contain privileged and confidential materials not routinely available for public inspection. These items include patent pending and other trade secret information not normally subject to public disclosure. As such, Wavcom will separately file these required items to prevent all parties from reviewing and/or retrieving these materials.

This module is an internal dual band GSM module for use within Panasonic Notebook Computer. This RF module supports transmission within 1850.2~1909.8 MHz band intended for use within North America with maximum 1.03 watt EIRP (30.15dBm) and receives within the 1930.2~1989.8 MHz frequency band. The module is provided with 2 external connectors for antenna and general purpose. The end-product Notebook Computer will provide 3.8V power supply and high-gain omni-directional telescopic antenna with 1dBi gain.

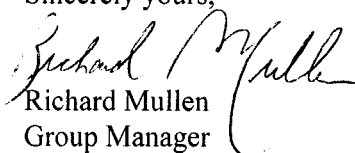
The maximum worst case measured SAR was 0.848 W/kg measured with 2.2 cm spacing between the antenna and the phantom body with the antenna fully extended. The SAR measurement distance was performed at 2.2 cm between the significant source of emission (antenna) and the phantom body to determine the minimum required spacing distance to meet FCC RF exposure guidelines. Based upon SAR test results, we purpose to include the following type wording within the user manual:

Caution - To comply with FCC RF Exposure Requirements:

- Maintain minimum 2.2 cm spacing between computer mounted antenna and person's body during wireless mode of operation.
- Optional vehicle mounted antenna must not exceed 3 dBi antenna gain and should be professionally installed. Maintain minimum 20 cm spacing between vehicle mounted antenna and person's body during wireless mode of operation.
- This computer is provided with PCMCIA slots that could be used with wireless transmitters, which will be specifically recommended, when they become available. Other third-party wireless transmitters have not been RF exposure evaluated for use with this computer and may not comply with FCC RF exposure requirements.

Should you have any questions, please contact the undersigned. Thank you for your attention in this matter.

Sincerely yours,


Richard Mullen
Group Manager