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Panasonic Quasar Technics

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ITPD-02-F029

Federal Communications Commission

Authorization and Evaluation Division / Equipment Authorization Branch

7435 Oakland Mills Road

Columbia, MD 21046

Subject: TCB Certification Application for 2.4 GHz DSSS Wireless LAN Module / FCC ID: ACJ9TGCF-T11

Gentlemen:

Enclosed, find Matsushita Electric Industrial Co., Ltd.'s Application for Equipment Authorization dated February 11, 2003. The WLAN is in compliance with Part 15, Subpart C and in accordance with §15.247 of the FCC Rules. This filing includes request for confidentiality for selected exhibits in accordance §0.459 as they contain proprietary, confidential, patent pending and custom designs, which would not be routinely made available for public inspection. Request for confidentiality includes exhibits for Schematic, Detailed Block Diagram and Parts List with Component Placement Drawing.

The subject WLAN is Agera made Direct Sequence Spread Spectrum Wireless LAN Module with operation within 2.4 MHz frequency band with 24 mW rated conducted output power. This WLAN is intended for use within Panasonic Notebook Computer Model CF-T1, which will be authorized under DoC to comply with Part 15, Subpart B. The Notebook Computer has permanently attached dual inverter F type pattern antennas with maximum antenna gain of 2.14 dBi. The left antenna is for receive only and the right antenna is for both receive and transmit.

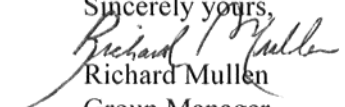
The combined WLAN and Notebook Computer were RF exposure evaluated and the body SAR test results measured at zero spacing between antenna and body part was: (1) test position edge had 0.94W/kg; (2) test position keyboard had 0.34 W/kg; and (3) lap test position had 0.42W/kg body SAR. From this SAR test results, we understand the User Manual is not required to advise the user about any minimum antenna spacing requirements. In spite of this, we elect to include the following type marking in the User Manual:

FCC RF Exposure Warning:

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- This equipment must be installed and operated in accordance with provided instructions and minimum 2.5 cm spacing must be provided between antenna and all person's body (excluding extremities of hands, wrist and feet) during wireless modes of operation.
- This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. This computer is provided with PC Card slots that could be used with wireless transmitter(s), which will be specifically recommended, when they become available. Other third-party wireless transmitter(s) 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

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