

June 5, 2007
ITPD-07-F016-3

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046 USA

Subject: Class II Permissive Change for Panasonic Mobile Personal Computer Model CF-74 Family
With Taiyo Bluetooth Model EYSF1CSMX , Intel WLAN(a+b+g) Model WM4965AG and
Sierra EVDO Rev A Model MC5725 / TCB Certification for FCC ID: ACJ9TGCF-743

To Whom It May Concern:

On behalf of Panasonic Corp. of North America, we hereby authorize PCTEST Engineering Laboratory, Inc., to act on our behalf in matters relating to FCC equipment authorization, including the signing of documents relating to these matters. Any and all acts carried out by PCTEST on our behalf shall have the same effect as acts of our own. This project represents Mobile Personal Computer, Model CF-74 Family with Intel Core Duo 2.0 GHz, which will be marketed under FCC ID: ACJ9TGCF-743. This mobile product was already TCB certified with the following co-located transmitters:

(1) Taiyo Yuden Bluetooth, Model EYSF1CSMX (Taiyo Yuden has no FCC ID):

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Watts</u>
Part 15C	DSS	2402~2480	0.0191

(2) Intel WLAN Model WM4965AG (Intel FCC ID: PD94965AG)

Intel grant included footnote that this product complies with DFS requirements in R&O FCC 03-287 as client device without radar detection.

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Watts</u>
Part 15C	802.11(g)	2412~2462	0.019
Part 15C	802.11(a)	5745~5825	0.024
Part 15E	802.11(a) Low Band	5180~5240	0.020

(3) Sierra EVDO Rev A, Model MC5725 (Sierra FCC ID: N7N-MC5725)

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Watts</u>	<u>Emission Designator</u>
Part 22H	Cellular CDMA	824.70~848.31	0.234 W ERP	1M27F9W
Part 24E	PCS CDMA	1851.25~1908.75	0.532 W EIRP	1M27F9W

This filing is to declare the Intel WLAN will have its Part 15E UNII 5260~5320 MHz high frequency band enabled. This transmitter complies with Part 15E UNII's Dynamic Frequency Selection (DFS) requirements found in R&O FCC 03-287 and §15.407(h) as a client only device without any radar detection capability. Representative PCTEST DFS Test Report was generated while Intel WLAN was installed within Personal Computer Model CF-74, while connected to Cisco Aironet 1200AG Access Point, which as FCC certified under FCC ID: LDK102056. The amended Part 15E certification grant should be amended to declare the following specifications:

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Watts</u>
Part 15E	802.11(a) Low Band	5180~5240	0.020
Part 15E	802.11(a) High Band	5260~5320	0.018

This product is classified as mobile device with respect to RF exposure evaluation and the MPE was measured at 20 cm spacing with LCD spacers and LCD in flip position. The maximum allowable limits for Part 22H Cellular is 0.566 mW/cm^2 and for Parts 15C and 24E for WLAN and PCS it is 1.0 mW/cm^2

This PC contains the following transmitter antennas, which are all located within the LCD panel, except for the BT TX/RX antenna, which is located in the keyboard: (1) BT TX/RX Inverted-F antenna with 1.82 dBi antenna gain; (2) WLAN Main Inverted-F TX/RX and Aux Inverted-F TX/RX with 1.63 dBi and 3.08 dBi antenna gains; and (3) EVDO Main Whip TX/RX antenna with 2.96 dBi and Aux Inverted-F antenna with 0.29 dBi antenna gain. The PC's main User Manual gives all FCC required notices and warning, including RF Exposure Warning.

The WLAN provided User Manual provides the following type notices:

- This product is restricted to indoor use due to its operation in the 5.15 to 5.25 GHz frequency range.
- FCC requires this product to be used indoors for the frequency range 5.15 to 5.25 GHz to reduce the potential for harmful interference to co-channel Mobile Satellite systems.
- High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and /or damage this product.

Please advice if you have any questions or comments.

Sincerely yours,

Richard Mullen

Richard Mullen
Group Manager