

June 11, 2007
ITPD-07-F007-1

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

Subject: Class II Permissive Change for Panasonic Mobile Personal Computer Model CF-30 Family
With Taiyo Bluetooth Model EYS1CSMX, Intel WLAN(a+b+g) Model WM3945ABG and
Sierra EVDO Model EM5625D / TCB Certification for FCC ID: ACJ9TGCF-301

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-30 Family with Intel Core Duo 1.66 GHz, which will be marketed under FCC ID: ACJ9TGCF-301. This mobile product was already TCB certified with the following co-located transmitters:

(1) Taiyo Yuden Bluetooth, Model EYS1CSMX (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 (a+b+g), Model WM3945ABG (Intel FCC ID: PD9WM3945ABG)

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Watts</u>
Part 15C	802.11(b)	2412~2462	0.0294
Part 15C	802.11(g)	2412~2462	0.0265
Part 15C	802.11(a)	5745~5825	0.0266
Part 15E	802.11(a) Low Band	5180~5240	0.0204

(3) Sierra EVDO, Model EM5625D (Sierra FCC ID: N7N-EM5625D)

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Watts</u>	<u>Emission Designator</u>
Part 22H	EVDO	824.7~848.31	0.372 W ERP	1M26F9W
Part 24E	PCS CDMA	1851.25~1908.75	0.407 W EIRP	1M26F9W

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 Elliott Laboratories DFS Test Report was generated while Intel WLAN was installed within Personal Computer Model CF-30, 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) UNII Low Band	5180~5240	0.0204
Part 15E	802.11(a) UNII High Band	5260~5320	0.0137

This product is classified as mobile device with respect to RF exposure evaluation and the MPE was calculated at 20 cm spacing with LCD spacers and LCD in flip position. The maximum allowable limits for Part 22H Cellular is 0.566 mW/cm² and for Parts 15C and 24E for WLAN and PCS it is 1.0 mW/cm²

This PC contains the following Inverted-F type transmitter antennas, which are all located within both the LCD panel and the keyboard: (1) BT TX/RX antenna with -0.62 dBi antenna gain located in the keyboard; (2) WLAN Main TX/RX and Aux TX/RX antennas with 0.94 dBi and -0.42 dBi antenna gains located in the LCD panel; and (3) EVDO Main TX/RX antenna with 0.10 dBi antenna gain located in the LCD panel and Aux RX only antenna located in the keyboard. 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