

July 12, 2007  
ITPD-07-F023A

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-BGX 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
Part 15E	802.11(a) High Band	5260~5320	0.0137

(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 Class II Permissive Change represents Intel WLAN (a+b+g), Model WM3945ABG will have its' 802.11(a) Parts 15C and 15E 5 GHz frequency bands disabled by software under new Model WM3945ABG-BGX, which was separately TCB certified under FCC ID: PD93945BGX.

(2) Intel WLAN (a+b+g), Model WM3945ABG-BGX (Intel FCC ID: PD93945BGX)

<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

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 highest calculated MPE values were:

Part 15C WLAN 802.11(g) MPE at 2462 MHz was  $0.003 \text{ mW/cm}^2$   
Part 22H MPE for Cellular Band at 848.31 MHz was  $0.064 \text{ mW/cm}^2$   
Part 24E MPE for PCS Band at 1880 MHz was  $0.0563 \text{ mW/cm}^2$

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.

Please advise if you have any questions or comments.

Sincerely yours,

*Richard Mullen*

Richard Mullen  
Group Manager