

Amended June 21, 2007
ITPD-07-F016-1
TCB Confirmation No: 705150422

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 WM3945ABG and
Novatel HSDPA Model EU730 / TCB Certification for FCC ID: ACJ9TGCF-741

To Whom It May Concern:

On behalf of Panasonic Corp. of North America, we herby 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 Pentium-M 1.83 GHz, which will be marketed under FCC ID: ACJ9TGCF-741. 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	0.019

(2) Intel WLAN Model WM3945ABG (Intel FCC ID: PD9WM3945ABG)

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	0.0716
Part 15C	802.11(a)	5745~5825	0.0853
Part 15E	802.11(a) Low Band	5180~5240	0.0410
Part 15E	802.11(a) High Band	5260~5320	0.0910

(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	Cellular CDMA	824.70~848.31	0.353 W ERP	1M25F9W
Part 24E	PCS CDMA	1851.25~1908.75	0.429 W EIRP	1M25F9W

This filing is to show Intel WLAN's Part 15E high frequency band compliance with Dynamic Frequency Selection 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 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.

This product is classified as mobile device with respect to RF exposure evaluation and its maximum permissive exposure (MPE) was measured at 20 cm spacing. Worst-case measured MPE with all three transmitters operating simultaneously at 836.6, 2437 and 2441 MHz was 0.0577 mW/cm² with max limit of was 0.0558 mW/cm²; and at 1909.8, 2480 and 5825 MHz was 0.0436 mW/cm² with max limit of was 1.0 mW/cm².

This PC combination contains transmitter antennas: (1) BT Inverted-F type antenna with 1.82 dBi antenna gain, which is located in the keyboard; (2) WLAN Inverted-F type Main and Aux antennas with 1.63 dBi and 3.08 dBi antenna gain, which are located in the top portion of the LCD; and (3) HSDPA Whip Main antenna with 2.96 dBi antenna gain, which is located in the top portion of the LCD. This PC may be marketed with optional Mini Port Replicator Model CF-VEBU06, which does not contain any external antenna connector. The basic User Manual contains all general FCC warning notices, including RF exposure warning notices, which includes notice that PC was approved for mobile operation and unless otherwise advised in separate supplemental instructions for individual wireless transmitters, requires minimum 20 cm spacing.

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 advise if you have any questions or comments.

Sincerely yours,

Richard Mullen

Richard Mullen
Group Manager