

March 5, 2008
ITPD-08-F001A~D
ITPD-08-F001A: BT Part 15C / DSS / EA803455
ITPD-08-F001B: WLAN Part 15C / DTS / EA947143
ITPD-08-F0014C: UNII Part 15E / NII / EA479695
ITPD-08-F001D: HSDPA Parts 22H, 24E / PCB / EA485976

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

Subject: Authority to Act as FCC Agent for Panasonic Portable Personal Computer Model CF-18 Family
Contains Alps Bluetooth Model UGNZ5, Intel WLAN Model WM3B2915ABG,
Novatel HSDPA, Model EU860D and with optional Car Mounter, Model CF-WEB184
FCC Certification for FCC ID: ACJ9TGCF-18A

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 Portable Personal Computer, Model CF-18mk5 Family with Intel CPU, type Pentium-M-1.2GHz and LCD display panel with top and sides panel spacers, which will be marketed under FCC ID: ACJ9TGCF-18A. This product will be marketed with the following co-located transmitters:

Alps Bluetooth, Model UGXZ5 (Alps BT has no FCC ID):

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Power</u>
Part 15C	DSS	2402~2480	5.802 mW

Intel WLAN Model WM3B2915ABG (Intel FCC ID: PD9WM3B2915ABG)

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Power</u>
Part 15C	802.11(b)	2412~2462	57.81 mW
Part 15C	802.11(g)	2412~2462	38.55 mW
Part 15C	802.11(a)	5745~5825	30.06 mW
Part 15E	802.11(a) Low Band	5180~5240	14.52 mW
Part 15E	802.11(a) High Band	5260~5320	38.28 mW

(3) Novatel HSDPA3.6, Model EU860D (Novatel FCC ID: NBZNRM-EU860D)

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Power</u>	<u>Emission Designator</u>
Part 22H	Cellular GSM	824.2~848.8	1.432 W ERP	243KGXW
Part 22H	Cellular EDGE	824.2~848.8	0.681 W ERP	246KG7W
Part 22H	Cellular WCDMA	826.4~846.6	0.266 W ERP	4M18F9W
Part 24E	PCS GSM	1850.2~1909.8	1.081 W EIRP	246KGXW
Part 24E	PCS EDGE	1850.2~1909.8	0.625 W EIRP	246KG7W
Part 24E	PSC WCDMA	1852.4~1907.6	0.314 W EIRP	4M19F9W

This PC contains the following type transmitter antennas: (1) BT Inverter-F type with 3.36 dBi antenna gain; (2) WLAN Main TX/RX and Aux TX/RX Inverted-F type with 1.42 dBi and 2.59 dBi antenna gain; and (3) Novatel Whip type with 2.15dBi antenna gain. The PC's main User Manual gives all FCC required notices and warning, including general RF Exposure Warning and notice about U-NII operation for indoor use only.

The PC is classified as portable device with respect to RF exposure evaluation and the highest reported single and co-transmit SAR values measured with LCD in open position and zero spacing between LCD top and side panels antenna spacers and to the body are as follows:

1. 0.381 W/kg Cellular HSDPA / 0.192 W/kg PCS HSDPA Body SAR
2. 0.518 W/kg Cellular GPRS / 0.403 W/kg PCS GPRS Body SAR
3. 0.185 W/kg IEEE 802.11b Body SAR / 0.008 W/kg Bluetooth Body SAR
4. 0.138 W/kg IEEE 802.11a 5.2 GHz Band Body SAR
5. 0.678 W/kg IEEE 802.11a 5.3 GHz Band Body SAR
6. 1.270 W/kg IEEE 802.11a 5.8 GHz Band Body SAR

This PC contains two unique pass-thru antenna connectors on the bottom of the enclosure for connection to the optional Car Mounter Model CF-WEB184. The Car Mounter has 2 matching unique antenna passive pass-thru connectors, which are hard-wired connected to its rear panel to two external TNC antenna connectors for connection to external WLAN and/or WWAN base whip antennas. The Car Mounter option is marketed to only specific non-general consumers, such as police, fire and military and must be professionally installed by following the provided mounting instructions in all cases. The Car Mounter is provided with Radiall/Larsen WLAN whip antenna, type NMO5E2400BKTNC with 5dBi antenna gain. Instructions are provided for end-user provided WWLAN whip antenna that advises the maximum allowable antenna gain for the external WWAN base whip antenna for the cellular band is 2.23dBi and PCS band is 3.84dBi, which is based upon MPE Test Report based upon the maximum allowable ERP/EIRP and maximum permissible exposure for the 824.2~848.8 MHz cellular band and 1850.2~1909.8 MHz PCS band. The User Manual/Installation Instructions will provide the following type marking:

This equipment is provided with external antenna connector(s) for connection to optional Car Mounter or Port Replicator for mobile external mounted antenna(s). External antenna(s) must be professionally installed and cannot exceed recommended maximum antenna gain as described in individual provided supplement instructions for wireless transmitters. The maximum allowable antenna gain for the external WWAN base whip antenna for the cellular band is 2.23dBi and PCS band is 3.84dBi. Also, user must maintain minimum 20 cm spacing between external antenna(s) and all person's body (excluding extremities of hands, wrist and feet) during wireless modes of operation.

In accordance with provisions of Section 0.457(d) of the Commission's Rules and Section 552(b)(4) of the Freedom of Information Act, we request permanent confidentiality for transmitter's exhibits, which contain Operation Description, Parts Lists, Block Diagram and Schematic Diagram. The BT and WLAN transmitters are not user adjustable and do not have a Tune-Up Procedure. These exhibits contain proprietary, confidential and trade secrets material, which would not be routinely made available for public inspection.

Also, in accordance with FCC Public DA 04-1705, we request forty-five day short-term confidentiality, starting from the from the issuance of equipment authorization date, for exhibits which contain External Photographs, Internal Photographs, Test Setup Photographs and the Operating Instructions (User Manual). The requested short-term confidentiality exhibits contain pre-market information, which could give our competitors unfair advantage should this information be released before this product is actually introduced into the common marketplace.

Sincerely yours,

Richard Mullen

Richard Mullen
Group Manager