Panasonic
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BEN BOTROS
Project Manager

Product Safety and Compliance Division

October 30, 2008
ITPD-08-F014A

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

Subject: Authority to Act as FCC Agent for Laptop Personal Computer, Model CF-T8 and CF-W8 Family
TCB Certification for FCC ID: ACJ9TGCF-TW81

- Alps Bluetooth, Model UGNZA
- Intel WLAN(a/b/g/n), Model 512AN_MMW
- Qualcomm WWAN (HSDPA3.6 and EVDO Rev A) , Model UNDP-1

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 Laptop Computer, Model CF-T8 and CF-W8 Family with Intel CPU type Core2Duo SU9300 (1.20 GHz), which will be marketed under FCC ID: ACJ9TGCF-TW81. This product will be marketed with the following co-located transmitters:

(1) Alps Bluetooth, Model UGNZA (Alps has no FCC ID):
Alps Bluetooth Model UGXZA under specification Ver 2.0 + ERD has maximum symbol rate of 1~3Mbps.

FCC Rule Part	Freq Range (MHz)	Output Watts
Part 15C	2402~2480	0.023276

(2) Intel WLAN Model 512AN_MMW (802.11a/b/g/n) (Intel FCC ID: PD9512ANM)
This device complies with Dynamic Frequency Selection requirements in R&O FCC 03-287 as a client only device without radar detection capability and client software and associated drivers will not initiate any transmission on DFS frequencies, which includes transmissions for beacon ad-hoc peer-to- peer modes. The User Manual with provide the following type wording, pursuant to §15.407(e): This PC operation within 5.15~5.25 GHz band is restricted to indoor use only to reduce any potential harmful interference to co-channel Mobile Satellite Systems. Model 512AN_MMW is compatible with 802.11a/b/g/n. To enable marketing in Asia Pacific and Europe, this WLAN may have its 802.11a/n functions disabled by factory set EEPROM settings. Model 512AG_MMW is compatible with 802.11a/b/g and Model 512BG_MMW is compatible with 802.11b/g.

FCC Rule Part	Type	Freq Range (MHz)	Output Power
Part 15C	802.11(b)	2412~2462	0.02710
Part 15C	802.11(g)	2412~2462	0.03396
Part 15C	802.11(a)	5745~5825	0.02218
Part 15C	802.11(n)	2412~2462	0.03381
Part 15C	802.11(n)	5745~5825	0.01901
Part 15E	802.11(a) Band I	5180~5240	0.02443
Part 15E	802.11(a) Band II	5260~5320	0.02301
Part 15E	802.11(a) Band III	5500~5700	0.02254
Part 15E	802.11(n) Band I	5180~5240	0.02366
Part 15E	802.11(n) Band II	5260~5320	0.01875
Part 15E	802.11(n) Band III	5500~5700	0.02296

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(3) Qualcomm WWAN (HSDPA3.6 + EVDO Rev A), Model UNDP-1 (FCC ID: J9CUNDP-1)

FCC Rule Part	Type	Freq Range (MHz)	Output Watts	Emission Designator
Part 22H	Cellular GSM	824.20~848.80	2.825 W ERP	246KGXW
Part 22H	Cellular WCDMA	826.40~846.60	0.310 W ERP	4M16F9W
Part 22H	Cellular CDMA	824.70~848.31	0.269 W ERP	1M27F9W
Part 22H	Cellular EDGE	824.20~848.80	0.811 W ERP	245KG7W
Part 24E	PCS GSM	1850.20~1909.80	1.570 W EIRP	242KGXW
Part 24E	PCS WCDMA	1852.40~1907.60	0.426 W EIRP	4M17F9W
Part 24E	PCS CDMA	1851.25~1908.75	0.471 W EIRP	1M27F9W
Part 24E	PCS EDGE	1850.20~1909.80	0.610 W EIRP	242KG7W

This PC contains the following type transmitter antennas and antenna gains in the normal mode:

(1) Alps BT Inverter-F type with -1.56dBi (2.4GHz) antenna gain
(2) Intel WLAN Main TX/RX Inverter-F type with 1.4dBi (2.4GHz), 1.91dBi (5GHz/Low), 1.36dBi (5GHz/Mid) and 2.13dBi (5GHz/High) antenna gains and Aux RX only
(3) Qualcomm WWAN Main TX/RX Whip antenna with 0.56dBi (850MHz) and 2.73dBi (1900MHz) antenna gains and Aux RX only antenna.

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.

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.

We the undersigned, hereby attest to the fact that the subject product is also classified as Class B Computer and will be authorized under Declaration of Conformity to comply with FCC Part 15B to meet Class B limits with computer system tested in accordance with ANSI C63.4-2003.

Sincerely yours,

Ben Botros

Ben Botros
Project Manager

Reviewed by,

Richard Mullen

Richard Mullen
Group Manager

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