

Draft August 18, 2008
ITPD-08-F005B
Confirmation No: 807240658

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

Subject: Class II Permissive Change for Panasonic Mobile Personal Computer, Model CF-52mk2 Family
TCB Certification for FCC ID: ACJ9TGCF-523

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

To Whom It May Concern:

This Class II Permissive Change represents upgrade of existing FCC Part 15E grant to include 5.470~5.725 GHz frequency band to Intel WLAN Model 512AN_MMW. This change is accomplished by software adjustment at factory location.

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. Mobile Personal Computer, Model CF-52mk2 Family with Intel CPU, type Core2 Duo P8400 (2.26GHz) or Core2 Duo P8600 (2.4GHz) will be marketed under FCC ID: ACJ9TGCF-523 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.

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Watts</u>
Part 15C	DSS	2402~2480	0.023

(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. Also, client software and associated drivers will not initiate any transmission on DFS frequencies, **which includes transmissions for beacon ad-hoc peer-to-peer modes**. 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.

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Power</u>
Part 15C	802.11(g)	2412~2462	0.034 W
Part 15C	802.11(n)	2422~2452	0.034 W
Part 15C	802.11(a)	5745~5825	0.029 W
Part 15C	802.11(n)	5755~5795	0.026 W
Part 15E	802.11(a) Low Band	5180~5240	0.034 W
Part 15E	802.11(n) Low Band	5190~5230	0.034 W
Part 15E	802.11(a) High Band	5260~5320	0.030 W
Part 15E	802.11(n) High Band	5270~5310	0.027 W
Part 15E	802.11(n) High Band	5470~5725	0.023 W

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

<u>FCC Rule Part</u>	<u>Type</u>	<u>Freq Range (MHz)</u>	<u>Output Watts</u>	<u>Emission Designator</u>
Part 22H	Cellular GSM	824.2~848.8	0.902 W ERP	246KGXW
Part 22H	Cellular EDGE	824.2~848.8	0.423 W ERP	245KG7W
Part 22H	Cellular WCDMA	826.4~846.6	0.150 W ERP	4M16F9W
Part 22H	Cellular CDMA	824.7~848.31	0.165 W ERP	1M27F9W
Part 24E	PCS GSM	1850.2~1909.8	0.189 W EIRP	242KGXW
Part 24E	PCS EDGE	1850.2~1909.8	0.094 W EIRP	242KG7W
Part 24E	PCS WCDMA	1852.4~1907.6	0.049 W EIRP	4M17F9W
Part 24E	PCS CDMA	1851.25~1908.75	0.055 W EIRP	1M27F9W

This PC contains the following type transmitter antennas:

(1) Alps BT TX/RX Pattern Inverter-F type with 3.69dBi antenna gain; (2) Intel WLAN Main TX/RX Pattern Inverter-F type with 0.36dBi for 2.4GHz band; 1.57 dBi Low 5GHz, 2.08dBi Mid 5.5~5.75GHz and 1.46dBi High 5GHz and Aux RX only; and (3) Qualcomm WWAN Main TX/RX Pattern Inverter-F type with 2.19dBi and WWAN Aux RX Pattern Inverter-F type antenna.

Further, 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.

Sincerely yours,

Richard Mullen

Richard Mullen
Group Manager
Product Safety and Compliance Division