

January 23, 2009
ITPD-08-F020A

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

Subject: Authority to Act as FCC Agent for Mobile Laptop Personal Computer, Model CF-30mk3 Family
TCB Certification for FCC ID: ACJ9TGCF-30A

- Alps Bluetooth, Model UGNZA
- Intel WLAN(a/b/g/n), Model 512AN_MMW
- Novatel WWAN (HSDPA3.6), Model EU860D

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 Laptop Computer, Model CF-30mk3 Family with Intel CPU type Core2Duo SL9300 (1.60 GHz), which will be marketed under FCC ID: ACJ9TGCF-30A. This product will be marketed with the following co-located transmitters:

(1) Alps Bluetooth, Model UGNZA (Alps has no FCC ID):

This BT transmitter complies with FCC Part 15C under equipment class code DDS. This BT version is under specification Ver 2.0 + ERD with maximum symbol rate of 1~3Mbps. Refer to test report for exact frequency range and RF output level.

(2) Intel WLAN Model 512AN_MMW (802.11a/b/g/n) (Intel FCC ID: PD9512ANM)

This combined WLAN and UNII transmitters complies with FCC Parts 15C and 15E under equipment class code DTS. Refer to test report for exact frequency ranges and RF output levels. The UNII portion of this transmitter complies with Dynamic Frequency Selection (DFS) 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 Intel WLAN theory of operation describes 3x3 MIMO capacity (multiple input/multiple output architecture); however, this end-product usage will be limited to 1x2 MIMO capacity (one WLAN Main TX/RX antenna). The User Manual will 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.

Note - 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. As such, the subject PC may also be marketed with Model 512AG_MMW (802.11a/b/g) or Model 512BG_MMW (802.11b/g).

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

This combined Cellular and PCS transmitter complies with FCC Parts 22H and 24E under equipment class code PCB. Refer to test report for exact frequency ranges, RF output levels and emission designators.

This PC contains various internal antennas for BT, WLAN and WWAN. Refer to separate provided exhibits for antenna photos and test reports for exact antenna description, antenna gains and locations.

This PC may be marketed with optional Car Mounter, Model CF-WEB291, which may contain two unique pass-thru antenna connectors on the bottom of the enclosure for connection to the optional Car Mounter Model CF-WEB291. 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 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. The Car Mounter is provided with Radiall/Larsen WLAN whip antenna, type NMO5E2400BKTNC with 5 dBi antenna gain. The Car Mounter Supplemental Instructions for this PC combination will advise that the recommended maximum external antenna gains are 5.0 dBi for WLAN at 2412~2462 MHz; 2.23 dBi for Cellular at 824.2~848.8 MHz; and 3.84 dBi for PCS at 1850.2~1908.8 MHz.

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.

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,

Ben Botros

Ben Botros
Project Manager