

Application Document for FCC Part 15, Subpart C (Intentional Radiator) Class II Permissive Change

Model Number: WM3B2200BG

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FCC ID: ANO20040501CX2

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EMC R&D Staff Engineer

Toshiya Murota

Signature: 

IBM Japan, Ltd.
EMC Engineering
LAB-S59

1623-14, Shimotsuruma,
Yamato-shi Kanagawa-ken 242-8502, Japan
Phone: +81-46-215-6574
Fax: +81-46-273-7420
E-Mail: murota@jp.ibm.com

EMC Engineering Manager / NVLAP signatory

Akihisa Sakurai


Signature: 

IBM Japan, Ltd.
EMC Engineering
LAB-S59

1623-14, Shimotsuruma,
Yamato-shi Kanagawa-ken 242-8502, Japan
Phone: +81-46-215-2613
Fax: +81-46-273-7420
E-Mail: akihisa@jp.ibm.com

Portable Product Development No.3 Manager

Hidenori Kinoshita

Signature: 

IBM Japan, Ltd.
Portable Systems
LAB-R74

1623-14, Shimotsuruma,
Yamato-shi Kanagawa-ken 242-8502, Japan
Phone: +81-46-215-2808
E-Mail: hidekino@jp.ibm.com

Portable Systems Director

Masaki Kobayashi

Signature:  for M.K.

IBM Japan, Ltd.
Portable Systems
LAB-R70

1623-14, Shimotsuruma,
Yamato-shi Kanagawa-ken 242-8502, Japan
Phone: +81-46-215-3889
E-Mail: jl04784@jp.ibm.com

Outline of Submission

1. Objective

This is a Certification Compliance Report for FCC Part 15 subpart C (Intentional Radiator).

- FCC ID : ANO20040501CX2
- Model Number : WM3B2200BG
- Latest grant date : March/ 04 / 2004
- Advertising Name : Intel PRO/Wireless 2200BG Mini-PCI Adapter

The following new antenna systems (host PC devices) is to be added in this **Class II change** application.

- IBM ThinkPad R50 Series
- IBM ThinkPad T40 Series

2. Product Description

The applying modular transmitter device is an OEM mini-PCI wireless LAN card supplied by Intel Corporation. The modular device complies with the following transmission modes.

- IEEE802.11b (2.4GHz band DSSS)
- IEEE802.11g (2.4GHz band OFDM)

3. Installation of the applying transmitter

The applying LMA transmitter is a **user installable** wireless card. The supported host units for the device are IBM laptop PC ThinkPad **X30** and **X40** Series in the previous grant, and ThinkPad **R50** and **T40** Series in this Class II change.

An electrical unique connector (so called "**BIOS Lock**") is employed for the host devices to satisfy the FCC Part 15.203 or RSS-210 §5.5. This mechanism enables users to install the applying LMA transmitter to the above specified host devices.

The detail explanation of the unique coupling between the LMA transmitter and antenna systems is shown in the separate exhibit "Confidential_BIOS_Lock", however IBM would like to hold it in confidence to maintain the secure "unique operability" with the applying card and IBM antenna systems.

The BIOS Lock function is also effective for the user's maintenance in replacing a broken card with a spare part.

4. Collocation with other transmitter

The applying LMA transmitter collocates with the following Bluetooth transmitters and transmits simultaneously.

- IBM Integrated Bluetooth III with 56 Modem (FCC ID: ANO20020100MTN)
- Bluetooth PC Card II (FCC ID: PI4BT-IBM-PCII)

As for the RF safety evaluation, refer to the separate "RF Exposure" exhibit.

5. Submittal documents

- LAM Qualification omitted (identical with the original filing)
- Product Labeling omitted (ditto)
- Internal Photos omitted (ditto)
- External Photos omitted (ditto)
- Block Diagrams omitted (ditto)
- Schematic Diagrams omitted (ditto)
- Circuitry Descriptions of LMA transmitter omitted (ditto)
- BIOS Lock logic Yes
- The new antenna system Info. Yes
- Test Report with the new antenna system Yes
- Test Setup Photos Yes
- RF Exposure evaluation with the new antenna Yes
- IBM Web site concerning the grant condition Yes
- Users Manual Yes