

Application Document for FCC Part 15, Subpart C (Intentional Radiator)

Product Name: Intel PRO/Wireless LAN 2100 3B Mini PCI Adapter

Document Number: FCC 19-0211-0

FCC ID: ANO20020201CLK

February 04, 2003

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:



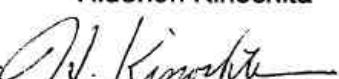
IBM Japan, Ltd.
EMC Engineering
LAB-S59

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

Hideyori Kinoshita

Signature:



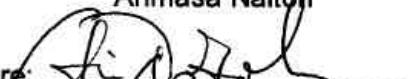
IBM Japan, Ltd.
Portable Systems
LAB-R16

1623-14, Shimotsuruma,
Yamato-shi Kanagawa-ken 242-8502, Japan
Phone: +81-46-215-2808

Portable Systems Director

Arimasa Naitoh

Signature:



IBM Japan, Ltd.
Portable Systems
LAB-R11

1623-14, Shimotsuruma,
Yamato-shi Kanagawa-ken 242-8502, Japan
Phone: +81-46-215-6110

Outline of Submission

1. Objective

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

- The applying equipment: **Intel PRO/Wireless LAN 2100 3B Mini PCI Adapter**
- FCC ID: **ANO20020201CLK**

2. Product Description

The applying LMA transmitter is an OEM IEE 802.11b Wireless LAN mini-PCI card supplied by **Intel Corporation**.

3. Installation of the applying transmitter

The applying LMA transmitter is a **user installable** wireless card.

The supported host devices for the applying LMA transmitter are as follows.

- IBM ThinkPad R40 Series
- IBM ThinkPad T40 Series
- IBM ThinkPad X30 Series

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

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. Compliance tests

The compliance tests were performed for each antenna systems.

The test reports for **ThinkPad R40** and **X30 Series** were provided by **Intel Corp.**, and **IBM** performed the test for **ThinkPad T40 Series**.

5. Collocation with other transmitter

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

- IBM Integrated Bluetooth with 56 Modem (FCC ID: ANO20020100MTN)
- Bluetooth UltraPort Module from IBM (FCC ID: PI4BT-ULTRA)
- Bluetooth PC Card II (FCC ID: PI4BT-IBM-PCII)

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