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

Document Number: FCC 19-0208-0

Product Name: IBM High Rate Wireless LAN Mini-PCI Adapter III

FCC ID: ANO20020200BRX

December 04, 2002

EMC 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

Mobile System Development Manager

Tatsuroh Ishikawa

Signature:

IBM Japan, Ltd.
Portable Products
LAB-R15
1623-14, Shimotsuruma,
Yamato-shi Kanagawa-ken 242-8502, Japan
Phone: +81-46-215-2750

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: **IBM High Rate Wireless LAN Mini-PCI Adapter III**
- FCC ID: **ANO20020200BRX**

2. Product Description

The applying LMA transmitter is an OEM IEE 802.11b Wireless LAN mini-PCI card supplied by Actiontec Electronics, Inc.

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
- IBM ThinkPad G40 Series

This application document includes one host device (IBM laptop PC, ThinkPad R40 Series).
The remained host devices are planned to be certified on each announcement period.

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 separated 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.