

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

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

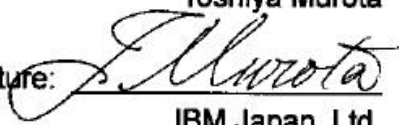
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FCC ID: ANO20020200BRX

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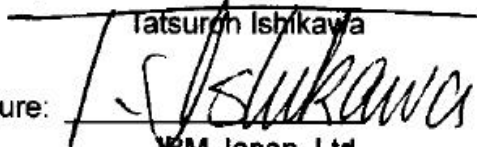
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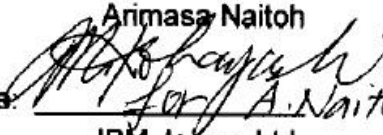
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Outline of Submission

1. Objective

This is a Certification Compliance Report for the **Class II Permissive** Change of the FCC Part 15, Subpart C (Intentional Radiator).

- Original FCC ID : **ANO20020200BRX**

- Grant Date : **January 21, 2003**

There is no hardware modification placed on the applying LMA wireless card itself, but an additional antenna system to be supported as follows.

- granted antenna system : IBM ThinkPad R40 Series (RF card **user installable** model)

- the new antenna system : IBM ThinkPad **G40** Series (RF card **pre-installed** model)

2. Product Description

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

3. Installation of the applying transmitter

An unique electrical connector (so called BIOS Lock) is employed for the new host device (**G40** Series) to satisfy the FCC rule Part 15.203 or RSS-210 §5.5.

However, the applying modular transmitter is **preinstalled by IBM** to this host, and a broken card of the applying module will be replaced by IBM or a responsible party.

IBM provide **no user installable RF module** for ThinkPad **G40** Series, and the BIOS Lock will reject other unauthorized wireless modules than the following two transmitters.

- FCC ID: ANO20020200BRX (the applying LMA transmitter)

- FCC ID: ANO20020306A1L (to be certified separately.)

4. Collocation with other transmitter

The applying LMA transmitter collocates with one Bluetooth transmitter as follows.

- Bluetooth PC Card II (FCC ID: PI4BT-IBM-PCII)

As for the RF safety evaluation of the collocation, please refer to the "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)
● Parts List	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 for the new antenna	Yes
● IBM Web site concerning the grant condition	Yes
● Users Manual	Yes