

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

Model Number: T60H786-U

Document Number: FCC 19-0264-0

FCC ID: ANO20030500CMR

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Outline of Submission

1. Objective

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

- FCC ID : **ANO20030500CMR**
- Model Number : T60H786-U
- The latest grant date : December/19/2003
- Advertising Name : IBM 11b/g Wireless LAN 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, LCD 14 inch model

2. Product Description

The applying modular transmitter device is an OEM mini-PCI wireless LAN card supplied by AMBIT Microsystems 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

● Product Labeling	Yes
● LAM Qualification	omitted (identical with the original filing)
● Internal Photos	omitted (ditto)
● External Photos	omitted (ditto)
● Block Diagrams	omitted (ditto)
● Schematic Diagrams	omitted (ditto)
● Circuitry Descriptions of LMA transmitter	omitted (ditto)
● Parts List	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