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

Model Number: WM3B2100

Document Number: FCC 19-0259-0

FCC ID: ANO20020201CLK

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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 : **ANO20020201CLK**
- Model number : WM3B2100
- Original grant date : Feb/26/2003, Sep/29/2003 (Class II), Dec/17/2003
- Advertising name : Intel PRO/Wireless LAN 2100 3B Mini PCI Adapter

The following new antenna system (host PC device) is added in this **Class II change** application.

- IBM ThinkPad **T40** Series, **LCD 15 inch model**.

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.

A unique electrical connector (so called **BIOS Lock**) is employed for the host devices to satisfy the FCC rule Part 15.203 or RSS-210 §5.5. This mechanism enables user to install the applying LMA transmitter to the specified hosts (ThinkPad T40 Series LCD 15inch model and others listed in the previous submissions).

The detail explanation of the unique coupling between the LMA transmitter and antenna systems is shown in the separate exhibit “Confidential_BIOS_Lock.pdf”, 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 module and transmits simultaneously.

- FCC ID: ANO20020100MTN
- FCC ID: PI4BT-IBM-PCII

As for the RF safety evaluation, 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	