

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

Document Number: FCC 19-0260-0

Model Number: BMDC200

FCC ID: ANO20020100MTN

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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).

- FCC ID : **ANO20020100MTN**
- Model Number : **BMDC200**
- IBM advertising product name : **IBM Integrated Bluetooth III with 56K Modem**
- The latest Grant Date : **December/17/2003** (Class II)

The following new antenna system (host PC device) is to be added in this application.

- IBM ThinkPad T40 Series (LCD 15 inch model)

2. Product Description

The applying modular transmitter device is an OEM Bluetooth card supplied by Actiontec Electronics, Inc. The modular device complies with the Bluetooth standard Class 2 specification (3mW of output power level). And the modular also has a modem interface. i.e. it is a combo card of Bluetooth with modem function. Actiontec performs the certification or DoC process for the modem conformance.

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 **R50**, **T40** (14-inch model), **X30** and **X40** Series through the previous grants, and ThinkPad **T40** Series 15-inch model 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 Chapter 9 "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 transmitters

The applying LMA transmitter is used as a subsidiary device of a dominant WLAN transmitter listed below, and it can transmit simultaneously with one of them on each specified host device listed in the clause 3 of this exhibit.

The collocated dominant transmitter with the applying module

- ANO20030400LEG
- ANO20020201CLK

- ANO20040501CX2
- ANO20030500CMR
- ANOU58H004

Those transmitters are to be certified separately with the applying module. The RF Safety evaluation with the collocating transmitters is examined by each application document of those dominant transmitters, so this application does not include it.

5. Related Submittal(s)/Grant(s)/Notes

- When the applying device stops RF transmission, the host unit with full peripheral devices including the applying modular(s) is classified as an unintentional radiator, Digital Device under the FCC Part 15 Subpart B or the Industry Canada Class B Emission Compliance (ICES-003), and subject to DoC.
- The DoC or certification holder of the collaborated Modem is Actiontec Electronics, Inc.
(Refer to “Product Labeling” exhibit.)

6. Submittal documents

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| ● 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) |
| ● Parts List | omitted (ditto) |
| ● Circuitry Descriptions of LMA transmitter | omitted (ditto) |
| ● Attestations regarding FH or FH in hybrid mode | omitted (ditto) |
| ● The new antenna system Info. | Yes |
| ● Test Report with the new antenna system | Yes |
| ● Test Setup Photos | Yes |
| ● Electrical antenna connector (BIOS Lock logic) | Yes |
| ● RF Exposure evaluation for the new antenna | Yes |
| ● Users Manual | Yes |
| ● IBM Web site concerning the grant condition | Yes |