

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

Model Number: U58H004

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FCC ID: ANOU58H004

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Outline of Submission

1. Objective

This is a certification compliance test report for Class II Permissive Change of FCC Part 15, Subpart C (Intentional Radiator).

- FCC ID : **ANOU58H004**
- Model Number : U58H004
- The latest grant date : February/26/2003
- Advertising Name : Cisco Aironet Wireless 802.11b

The following new antenna systems (host PC devices) are to be added in this application.

- IBM ThinkPad T40 Series, LCD 15 inch model
- IBM ThinkPad R50 Series

2. Product Description

The applying modular transmitter device is an OEM mini-PCI wireless LAN card manufactured by AMBIT Microsystems Corporation under the brand name of CISCO Systems, Inc.

The modular device complies with the IEEE802.11b (2.4GHz band DSSS) transmission mode.

3. Installation of the applying transmitter

The applying LMA transmitter is a **user installable** wireless card. 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 specific IBM 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. Related Submittal(s)/Grant(s)/Notes

- Previous grant for the same concept hardware design of host PC :
February/26/2003 for ThinkPad T40 Series, LCD 14 inch model
- 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.

6. 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 |