

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

Document Number: FCC 19-0209-0

Product Name: Cisco Aironet Wireless 802.11b

FCC ID: ANOU58H004

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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 : **ANOU58H004**
- Grant Date : **July/11/2002** (Original grant)  
**September/03/2002** (Class II change)

## 2. Product Description

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

## 3. Installation of the applying transmitter

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

The granted antenna systems of the previous submissions

- IBM ThinkPad T30 Series
- IBM ThinkPad R32 Series
- IBM ThinkPad X30 Series

The new antenna system for this class II submission

- **IBM ThinkPad R40 Series**

An unique electrical connector (so called BIOS Lock) is employed for those host devices to satisfy the FCC rule Part 15.203 or RSS-210 §5.5. [This mechanism allows users to install the applying LMA transmitter to each specified host listed above.](#)

The detail explanation of the unique coupling between the LMA transmitter and antenna systems is shown in the separated 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. 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 )                              |
| ● The new antenna system Info.  | Yes  |
| ● Test Report with the new antenna system   | Yes  |
| ● Test Setup Photos   | Yes  |
| ● Circuitry Description for the unique coupling<br>of the LMA transmitter and antenna systems<br>(Confidential_BIOS_Lock.pdf) | Yes  |
| ● RF Exposure evaluation for the new antenna  | Yes  |
| ● Users Manual  | Yes  |
| ● IBM Web site concerning the grant condition   | Yes  |