

Application Document for FCC Part 15, Subpart C (Intentional Radiator)

Model Number: J07M067


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FCC ID: ANO20040700HER

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Outline of Submission

1. Objective

This is a Certification Compliance Report for the FCC Part 15, Subpart C (Intentional Radiator), DTS device.

- FCC ID : ANO20040700HER
- Model Number : J07M067
- IBM advertising product name: IBM Integrated Bluetooth IV with 56K Modem

2. Product Description

The applying modular transmitter device is an OEM Bluetooth card supplied by HON HAI PRECISION IND. Co., Ltd. (brand name: Foxconn). The modular device complies with the Bluetooth standard Class II, 3mW specification, and employs **AFH** (Advanced Frequency Hopping) function for prevention of interference with other radio devices (especially WLAN equipment). And the modular also has a modem interface. Therefore it is a combo card with Bluetooth and modem functions. Foxconn performs the registration process for the modem conformance.

3. Installation of the applying transmitter

The applying modular transmitter is a **user installable** Bluetooth card. The supported host PC units to be certified in this application are IBM laptop PC ThinkPad **R50, T40, X30, and X40** Series.

A unique electrical 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 modular transmitter to the above specified host devices.

The detail explanation of the unique coupling between the modular transmitter and antenna systems is shown by 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. Co-located Transmitters

The applying modular transmitter is used as a subsidiary device of a 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 WLAN transmitters with the applying module

- ANO20020201CLK 2.4GHz WLAN card
- ANO20040501CX2 ditto
- ANO20030500CMR ditto
- ANO20040600BTL 2.4GHz/5GHz composite WLAN card
- ANO20040601CX2 ditto

Those transmitters were already certified separately, however this test report includes the radiated

emission measurement results for multiple transmission with the applying Bluetooth device and each 2.4GHz WLAN transmitter. The other two 2.4GHz/5GHz composite WLAN transmitters are to be examined for multiple transmission with separate applications.

Also the separate exhibit “RF Exposure” explains the RF Safety evaluation with the collocating transmitters.

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

- During the applying modular device stops RF transmission, the host unit with full peripheral devices including the applying modular device 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 for registration holder of the collaborated Modem is HON HAI PRECISION IND. Co., Ltd. (Refer to “Product Labeling” exhibit.)