RF Exposure Evaluation

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The built-in antenna connected to the applying modular transmitter is located at the left hinge portion between LCD and keyboard of the host device (IBM ThinkPad X40 Series).

The antenna separation from person's body becomes very close when a user operates the PC on one's lap (approximately 2.5 cm). Therefore the applying transmitter device with the subjected antenna is categorized as a portable device by FCC CFR 47 section 2.1093.

The conducted output power of the applying Bluetooth transmitter is 2.40mW (3.8dBm) and the antenna gain is 1.99 dBi. Both conducted and radiated powers are far below 50mW.

With reference to OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01), Section 3, footnote 14, the applying modular transmitter with this built-in antenna satisfies the RF exposure evaluation regarding CFR 47 Part 15.247(b)(5) without a SAR compliance test report.

As for the **grant condition** concerning the approved co-locating transmitter devices, IBM guides customers with a Web site shown in the next page.



IBM Web site for user's guidance concerning the co-located transmitters

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Note) The info for the applying LMA transmitter is not available until the product announcement. http://www.pc.ibm.com/qtechinfo/MIGR-43693.html

