

Host Unit Antenna Information

for

ThinkPad X40 Series

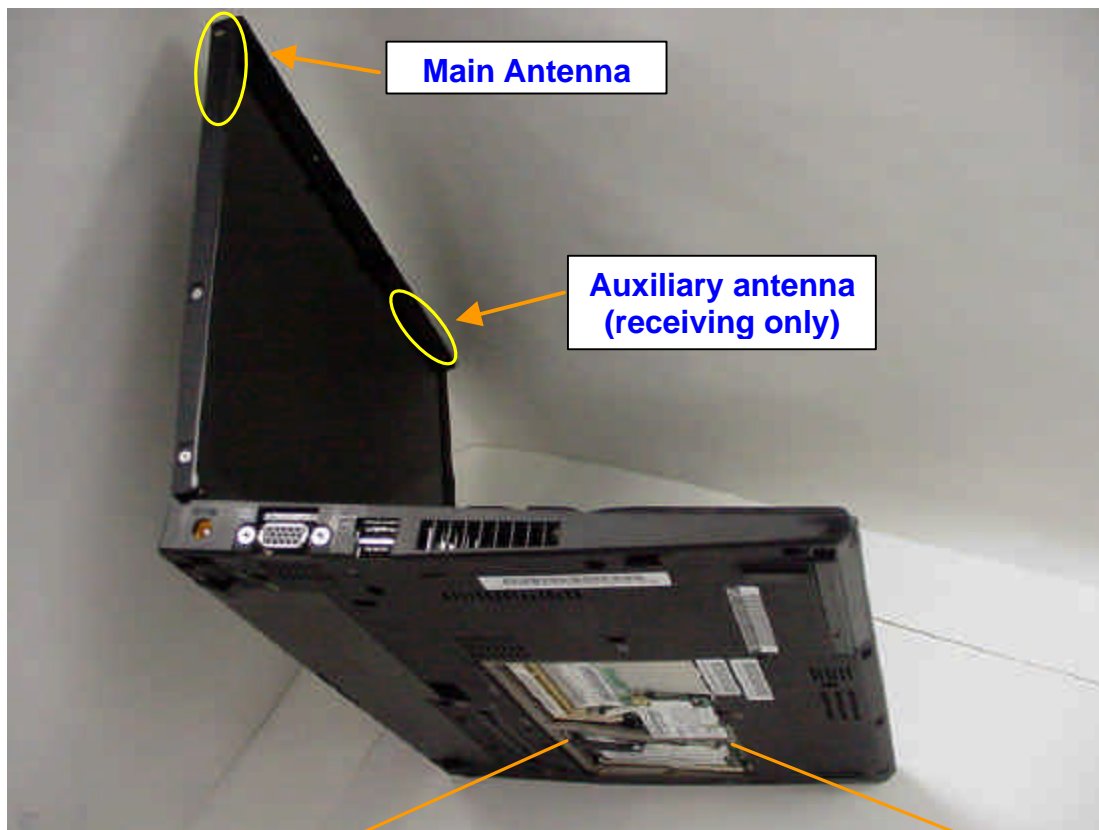
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1. Host PC Information

The main antenna, meander type, is built in the left upper side of LCD and the auxiliary antenna, meander type, is built in the top right side of LCD as shown in the Photo.

The main antenna is used for both RF transmission and receiving with half duplex switching mode. The auxiliary antenna is used for RF receiver only.

When the Wireless LAN card is in RF receiving state, one of the antennas is selected automatically to have a good quality of radio communication.



FCC ID and IC's Certification Number is visible when the slot cover is removed.

Tested to Comply with FCC Standards
FOR HOME OR OFFICE USE
FCC ID: ANO20020201CLK
The Class B digital equipment meets all requirements of CANADA ICES/MWR-001 Class/Classe (B) and does not interfere with other equipment.
CANADA ICES/MWR-001 Class/Classe (B)
CANADA IC: 3456-W1352100

(11S) PN SN: 91P7266Z1Z7SD747500
FRU: 91P7267 EC: J23341
(23S) 802.11b MAC Addr: 00:04:23:4D:DD:7D
Made in Malaysia PBA: C37549-001 Mfg Date: 04/01/03

IBM ThinkPad X40 Series

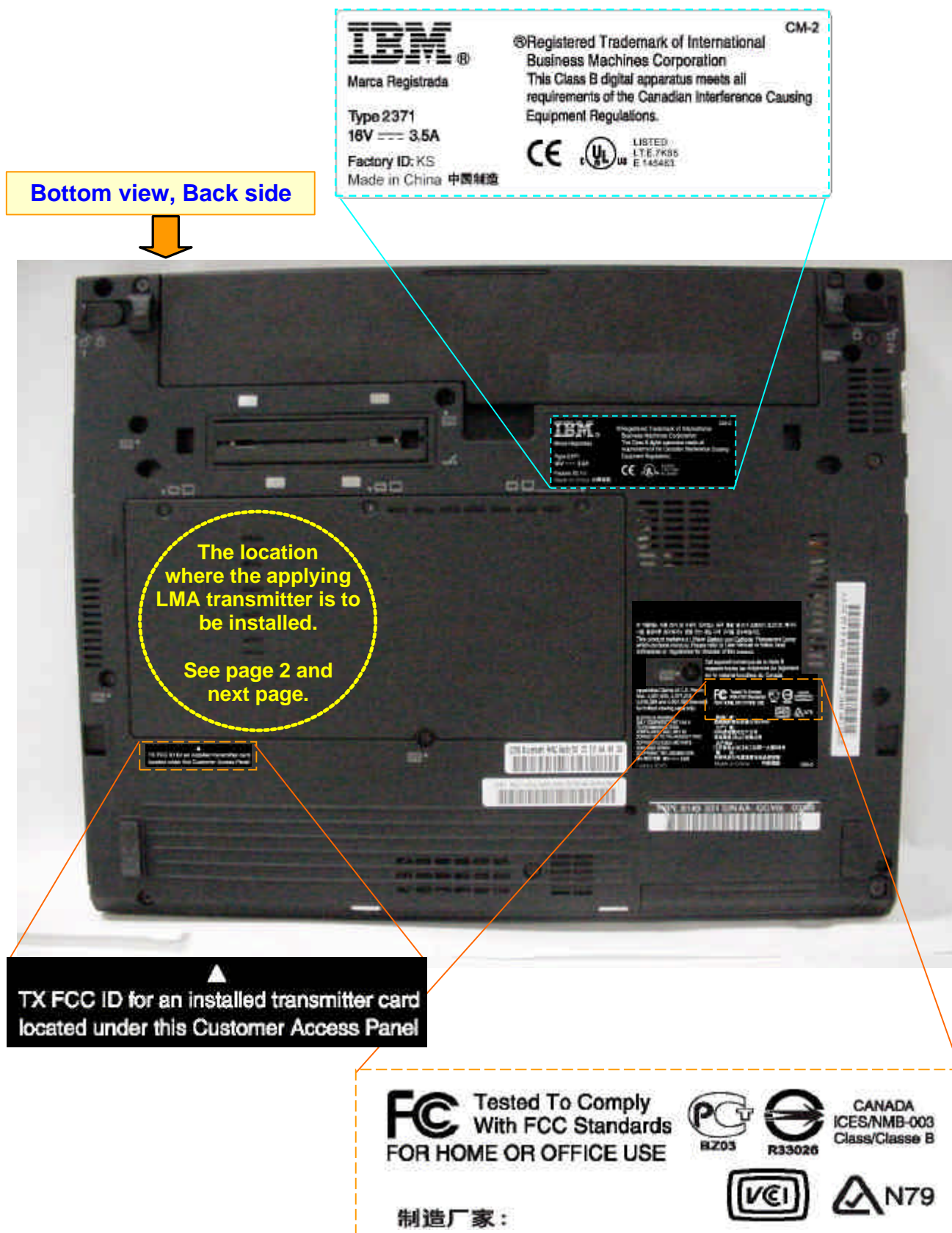


Side View



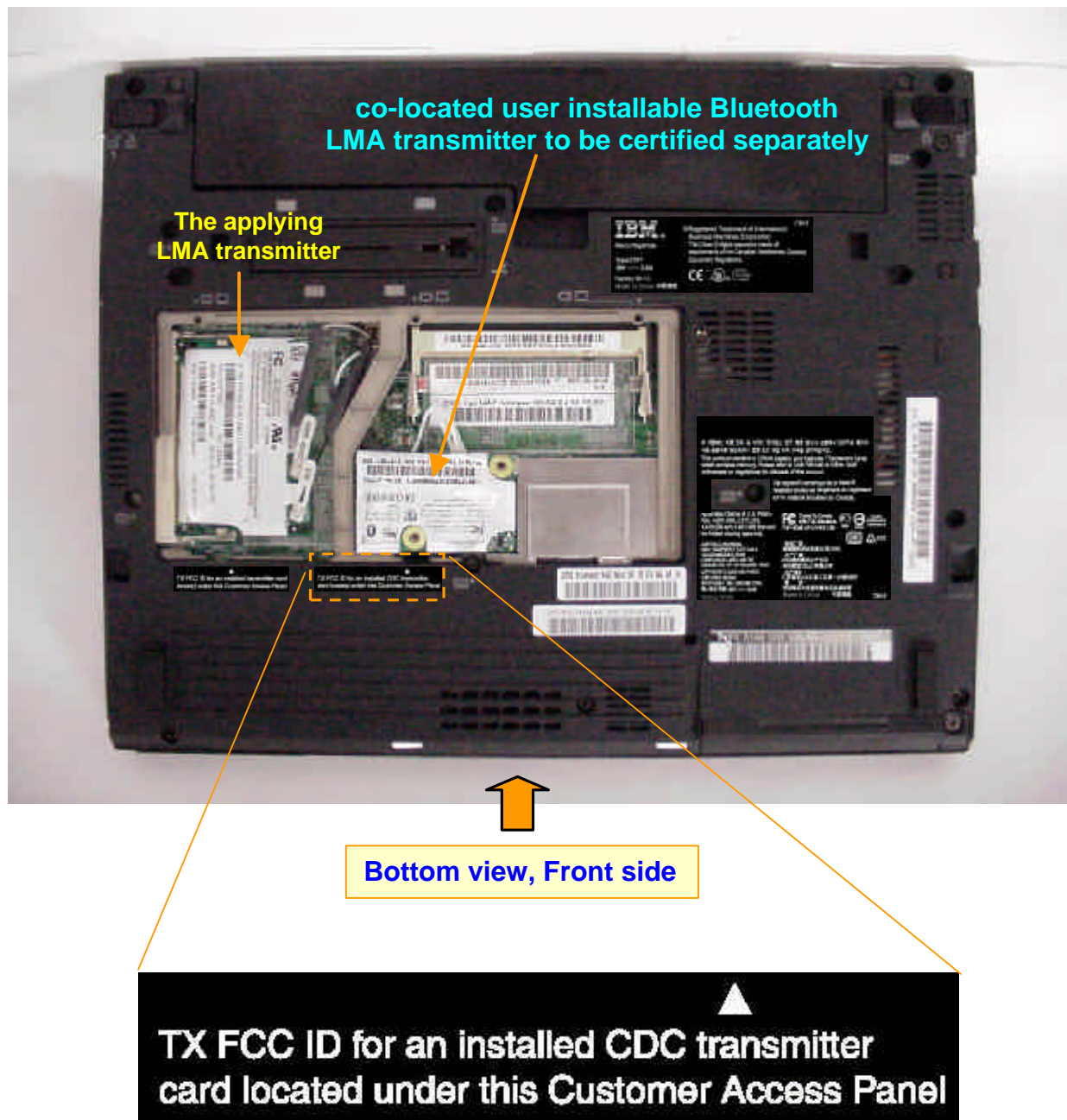
Rear View

2. Host PC Labeling



Label for a different model of the host PC (ThinkPad X40 Series)

The model (X40) supports the applying transmitter and a built-in type Bluetooth LMA transmitter which is to be certified separately as FCC ID: ANO20020100MTN.



3. Antenna Specifications

3.1 Transmission Antenna assembly overview

Transmission Antenna assembly overview

Designator	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
13N5743 Main Antenna	Nissei Electric Co., Ltd. (Japan)	Dual Band Meander Antenna	Coax 488mm	2.4GHz band 0.39 dBi (peak)
13N5742 Auxiliary Antenna (Receiving Only)	Nissei Electric Co., Ltd. (Japan)	Dual Band Meander Antenna	Coax 449mm	2.4GHz band 1.67 dBi (peak)

Notes:

1a. Includes all cable losses.

1b. Antenna type should be Omni Directional and have gain of 2.0 dBi or less for IEEE802.11b (2.4GHz band), regarding the IBM internal specification.

3.2 Antenna locations



3.3 Antenna exterior photos

Main Antenna

Manufacturer: Nissei Electric Co., Ltd.
Parts Number: 13N5743
Type: Dual Band Meander
Cable: Coax, 488 mm



Auxiliary Antenna (Receiving Only)

Manufacturer: Nissei Electric Co., Ltd.
Parts Number: 13N5742
Type: Dual Band Meander
Cable: Coax, 449 mm

