

# Host Unit Antenna Information

## for

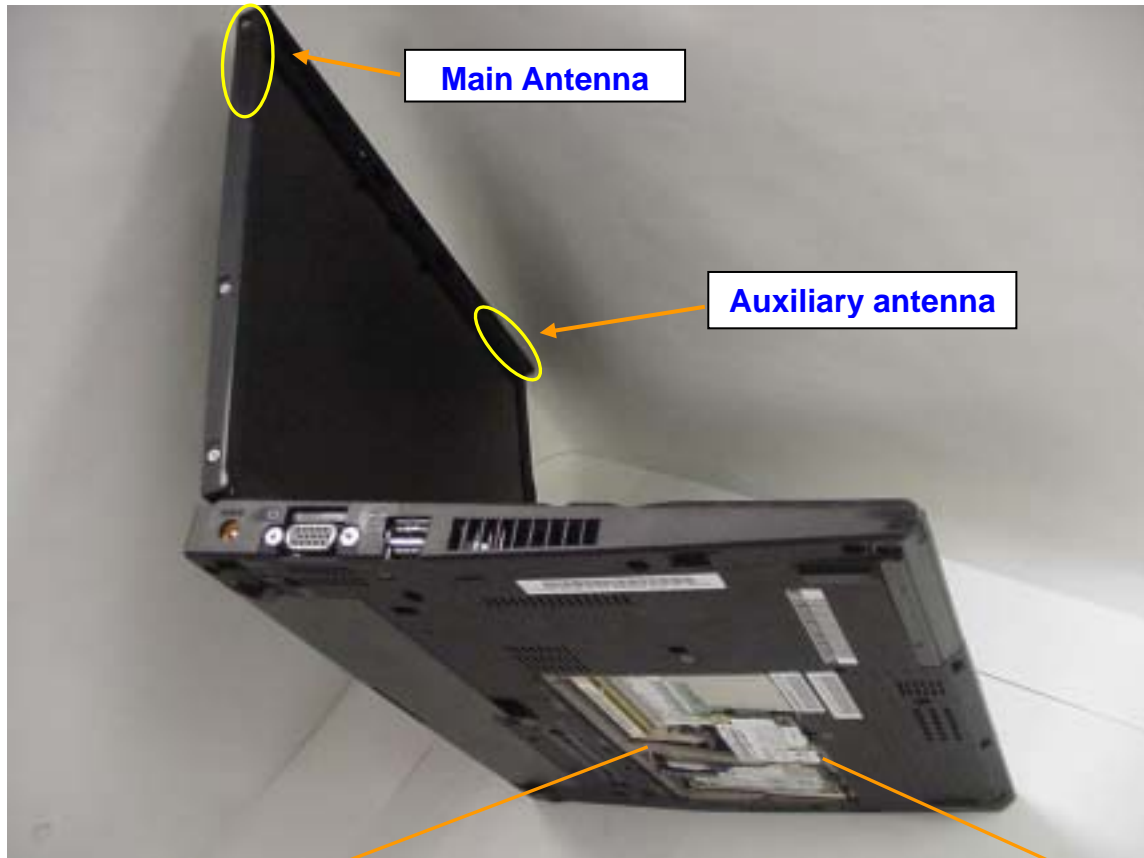
# ThinkPad X40 Series

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## 1. Host PC Information

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

Those diversity antennas are not used simultaneously. One of the antennas is selected automatically or manually to have a good quality of radio communication. The selected antenna performs transmission or receiving in half duplex alternatively.



FCC ID and IC's Certification Number is visible when the Customer Access Panel is removed.

Mini-PCI card slot and Transmitter module



**IBM ThinkPad X40 Series**



Front View



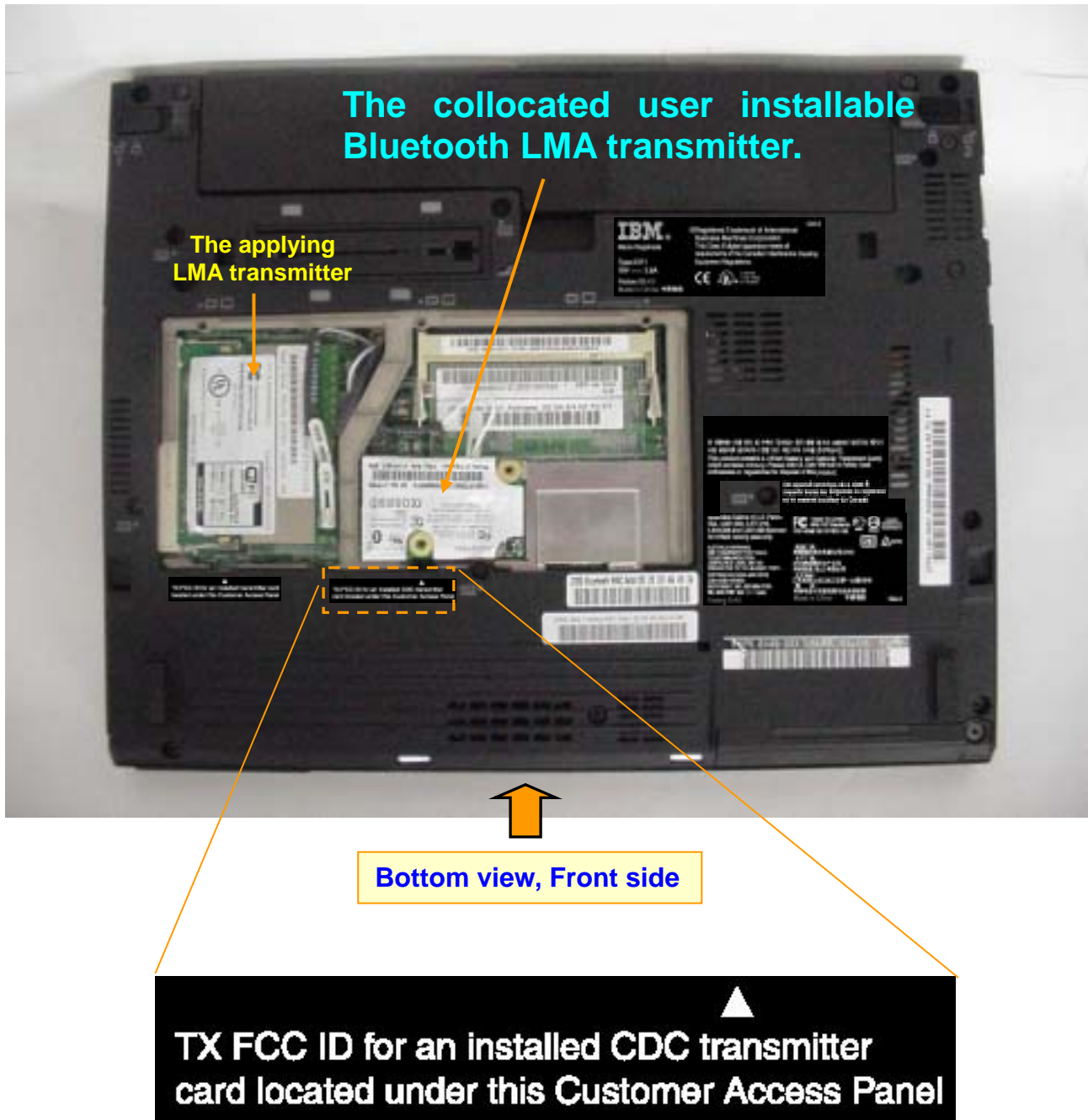
Rear View

## 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 the FCC ID: ANO20020100MTN.



### 3. Antenna Specifications

#### 3.1 Transmission Antenna assembly overview

Designator	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
<b>13N5743</b> Main Antenna	Nissei Electric Co., Ltd. (Japan)	Dual Band Meander Antenna	Coax 488mm	5.2GHz band 1.45 dBi (peak)
<b>13N5742</b> Auxiliary Antenna	Nissei Electric Co., Ltd. (Japan)	Dual Band Meander Antenna	Coax 449mm	5.2GHz band 2.15 dBi (peak)

Note 1):

1a. Includes all cable losses.

1b. Antenna type should be Omni Directional and have gain of 3.0 dBi or less for IEEE802.11a (5.2GHz band), regarding the IBM internal specification.



## 3.2 Antenna Photos

### Antenna Locations



## Exterior Photos of Antennas

### Main Antenna

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





### **Auxiliary Antenna**

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

