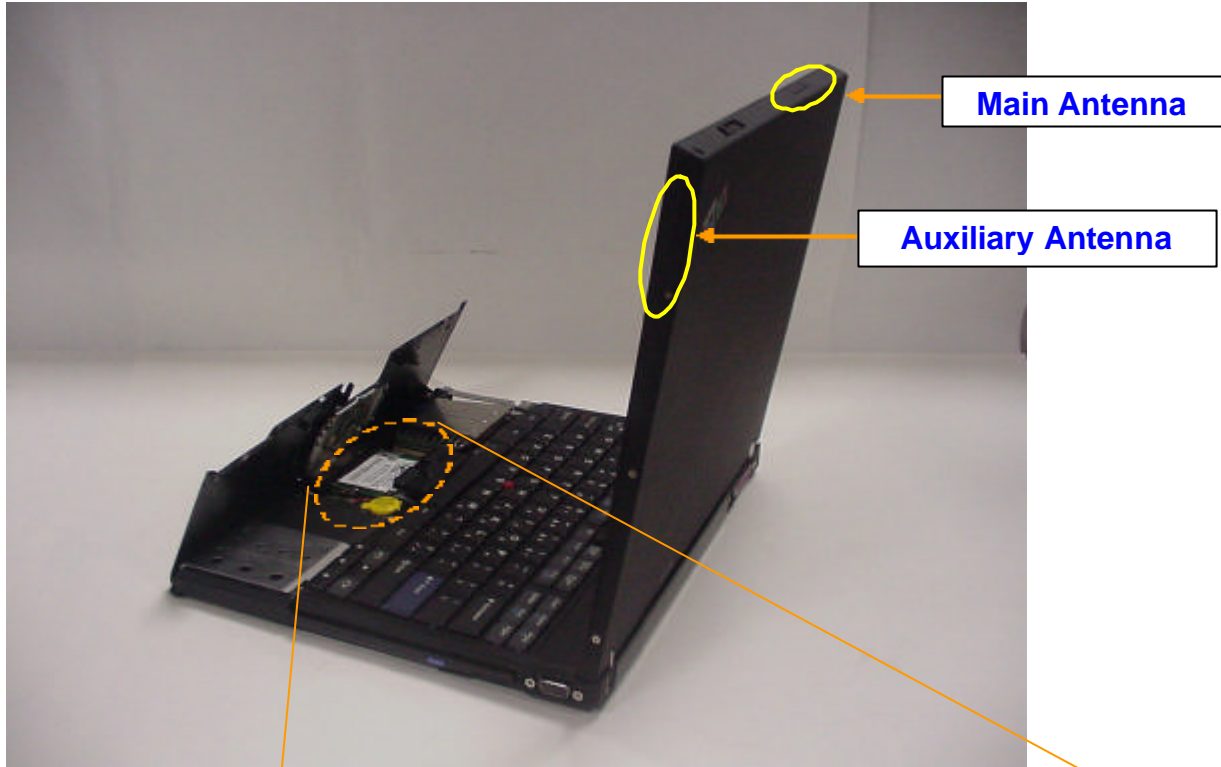


# **Host Unit Information of ThinkPad T40 Series**

- **Host PC Information**
- **Host PC Labeling**
- **Antenna Information**

# Host PC Information

The main antenna, an inverted F-figure type antenna, is built in the top of the LCD, and the auxiliary antenna, a coupled floating element antenna, is built in the right side of the LCD. 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 FCC ID and IC's Certification Number is visible when the top cover is removed.



IBM ThinkPad T40 Series

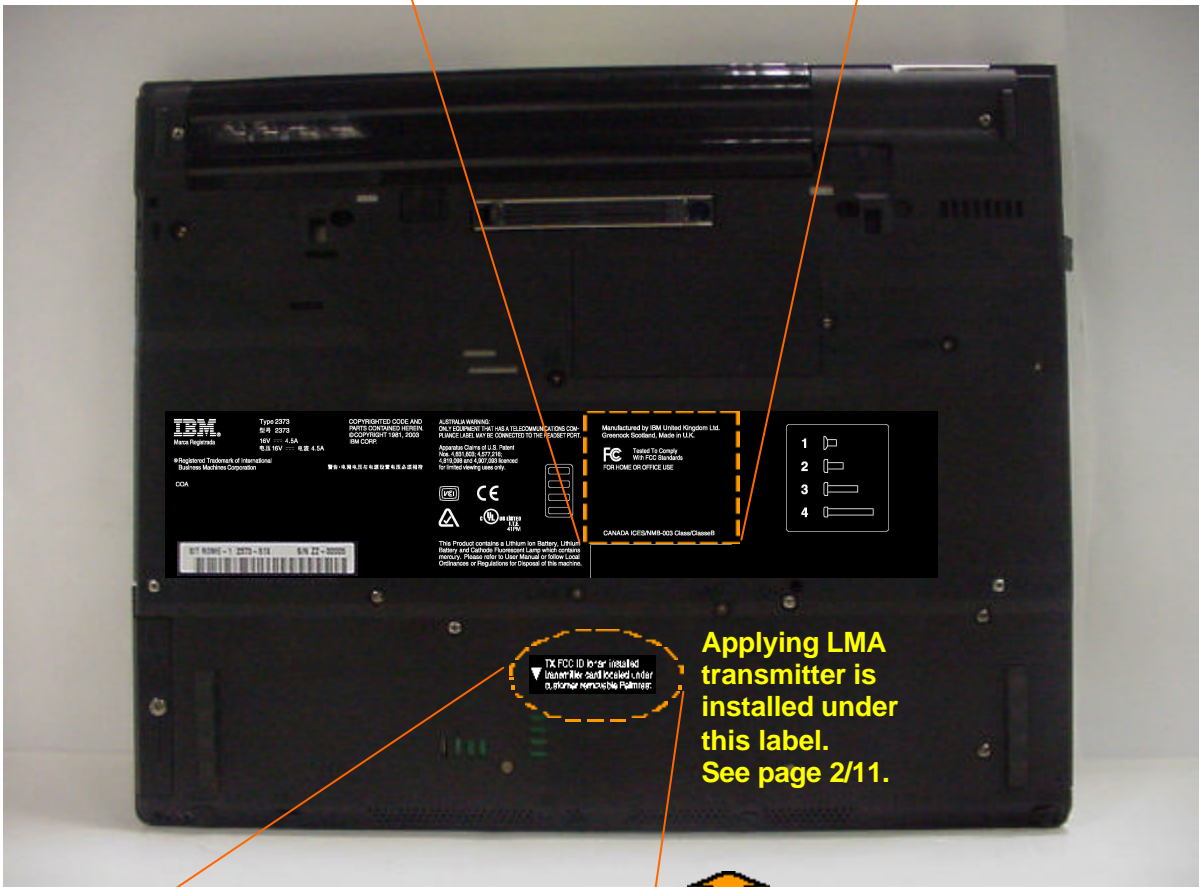



# Host PC Labeling


Manufactured by IBM United Kingdom Ltd.  
Greenock Scotland, Made in U.K.

**FC** Tested To Comply  
With FCC Standards  
FOR HOME OR OFFICE USE

CANADA ICES/NMB-003 Class/ClasseB



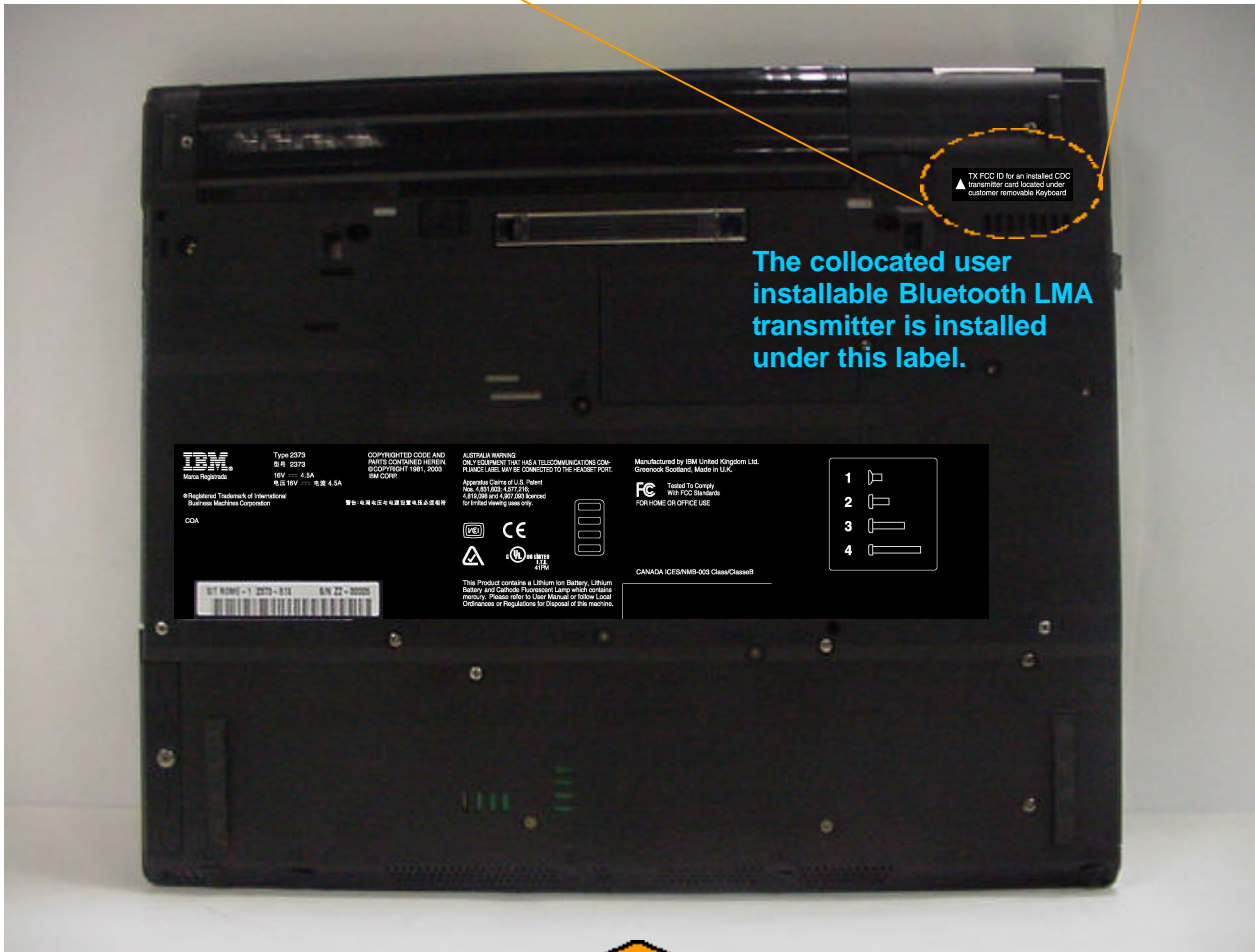
  
**Bottom view, Front**

 **TX FCC ID for an installed transmitter card located under customer removable Palmrest**

Label for a different model of the host PC (ThinkPad T40 Series)

The model (T40) supports the applying transmitter and a built-in type Bluetooth LMA which is to be certified separately with FCC ID: ANO20020100MTN.

▲ TX FCC ID for an installed CDC transmitter card located under customer removable Keyboard



The collocated user installable Bluetooth LMA transmitter is installed under this label.



Bottom view, Front side

# Antenna Information

## 1. Antenna Specification

Transmission Antenna assembly overview

Designator	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
<b>62P4204</b> Main antenna	<b>Faxconn Electronics Inc. (R.O.C.)</b>	<b>Dual Band Inverted F type Antenna</b>	<b>Coax 745 mm</b>	<b>2400-2500MHz 0.99 dBi (peak)</b>
<b>62P4203</b> Auxiliary antenna	<b>Faxconn Electronics Inc. (R.O.C.)</b>	<b>Dual-Band Coupled Floating Element Antenna</b>	<b>coax 860 mm</b>	<b>2400-2500MHz -0.48 dBi (peak)</b>

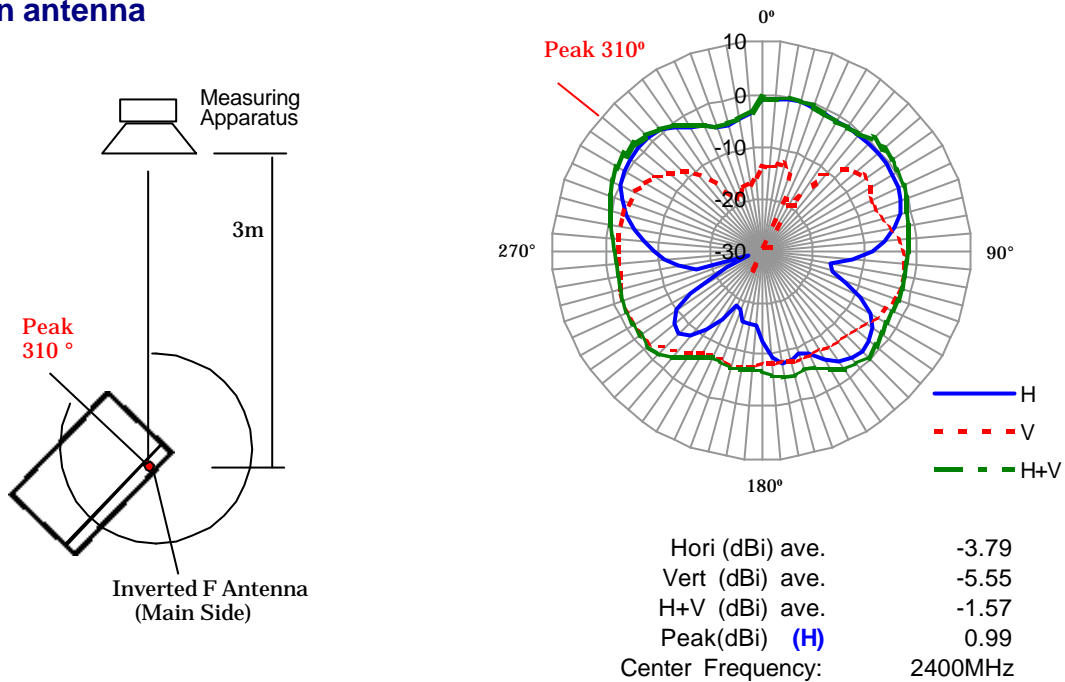
Notes:

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.*

## 2. Radiation characteristic of antennas

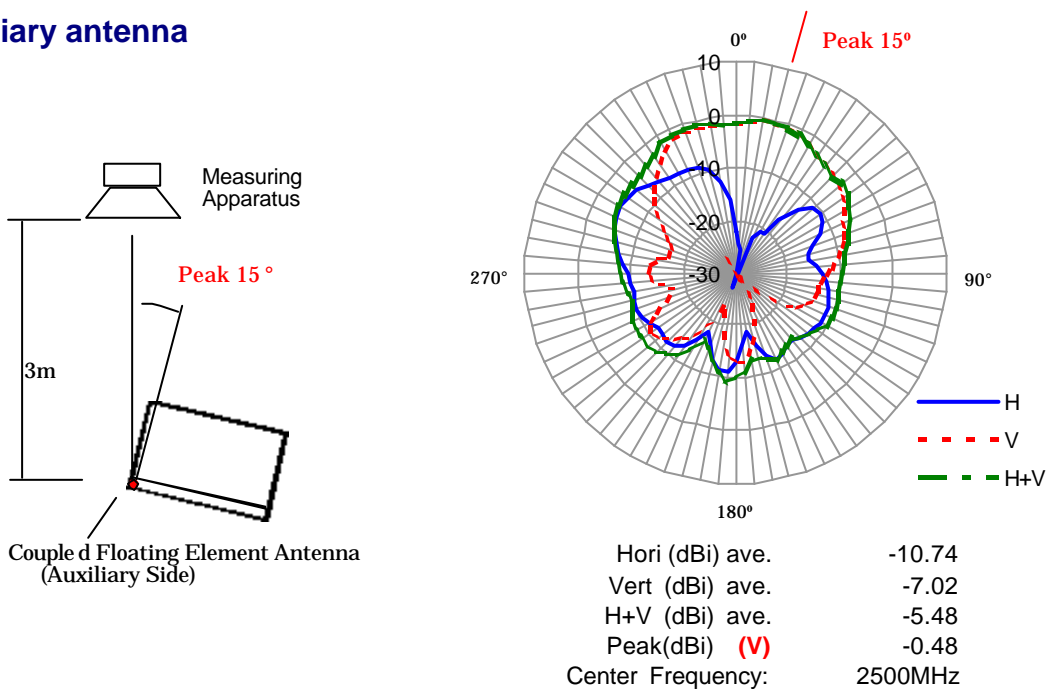
### Main antenna



Note1) The measurement was performed at 3 frequencies (2400, 2450, 2500MHz).

Note2) The maximum antenna gain was found around **310 degree** angle from measuring apparatus in **horizontal** polarization at the low frequency (2400MHz).

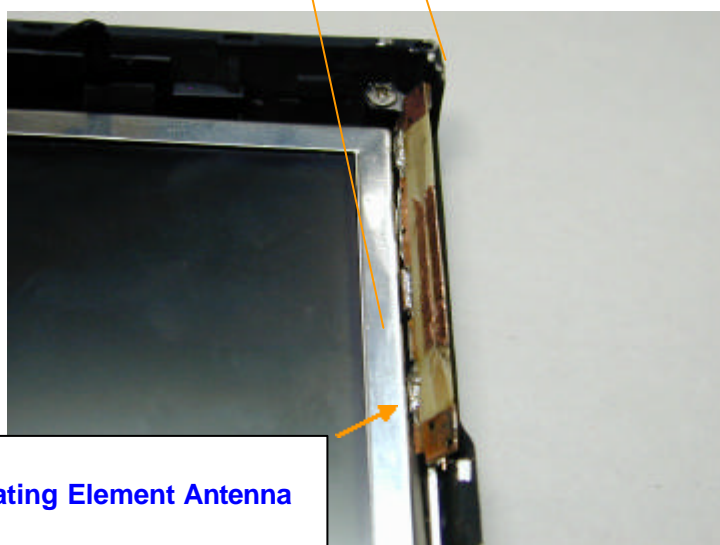
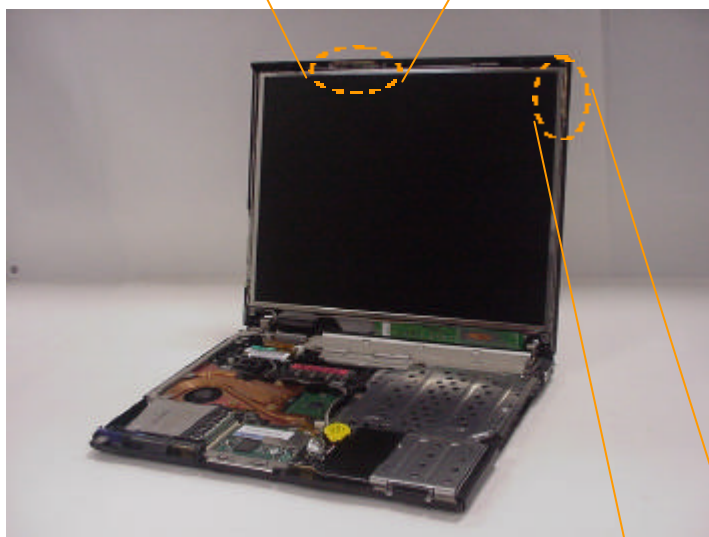
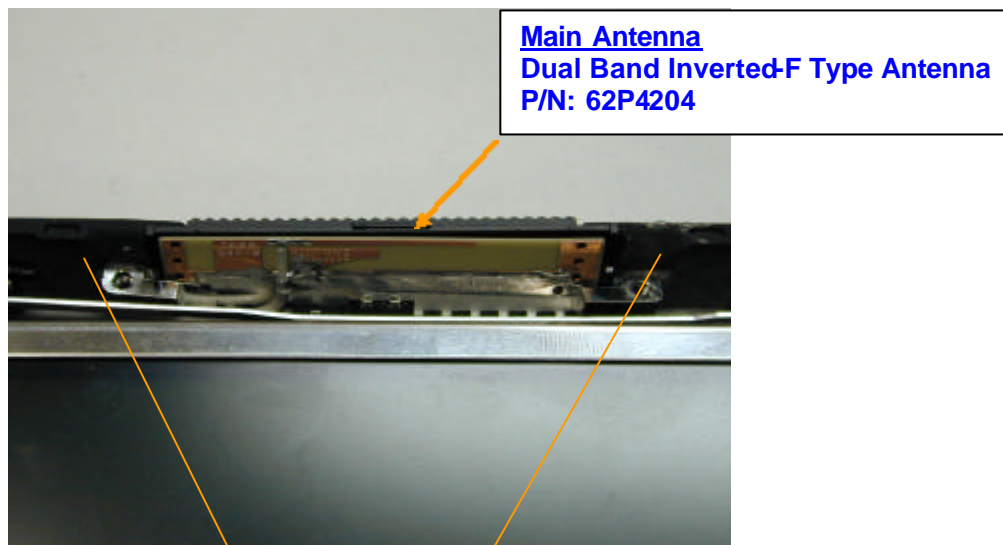
### Auxiliary antenna



Note1) The measurement was performed at 3 frequencies (2400, 2450, 2500MHz).

Note2) The maximum antenna gain was found around **15 degree** angle from measuring apparatus in **vertical** polarization at the high frequency (2500MHz).

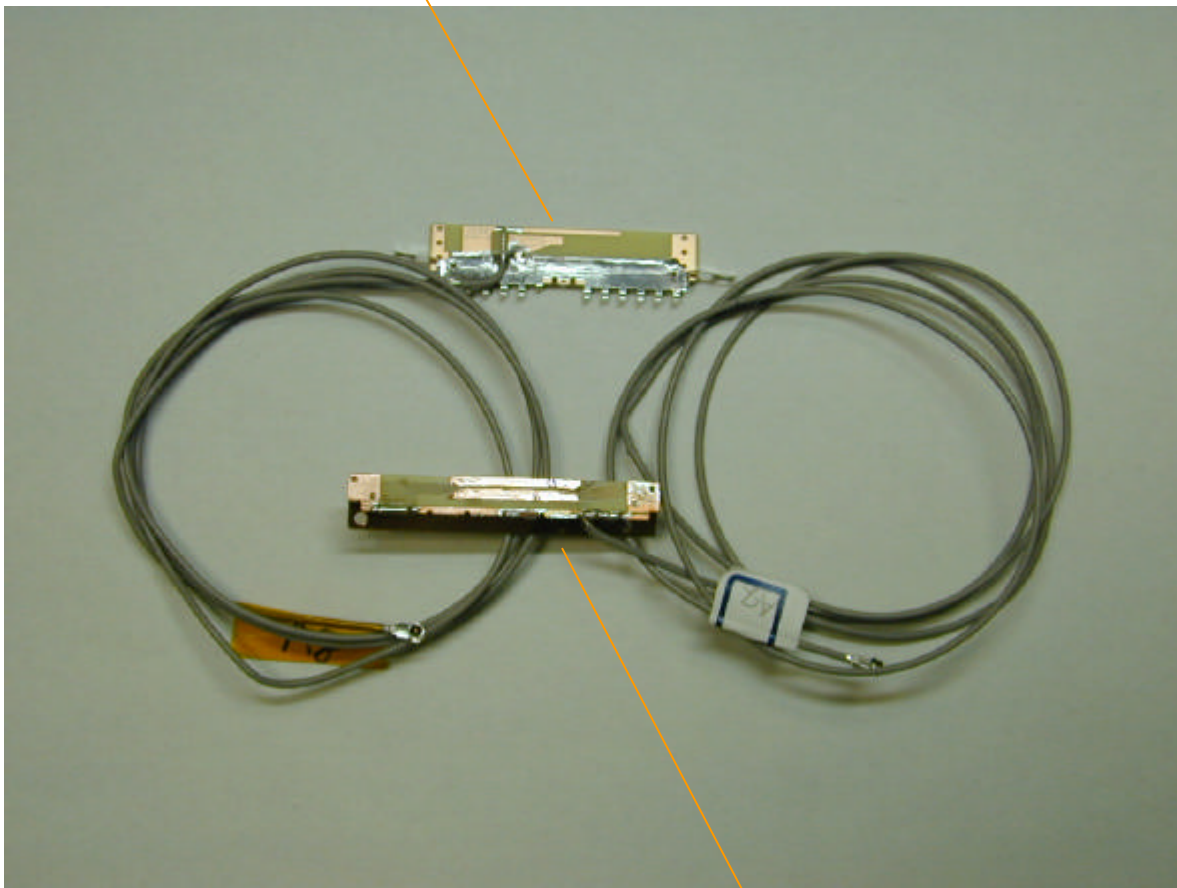
### 3. Antenna Locations





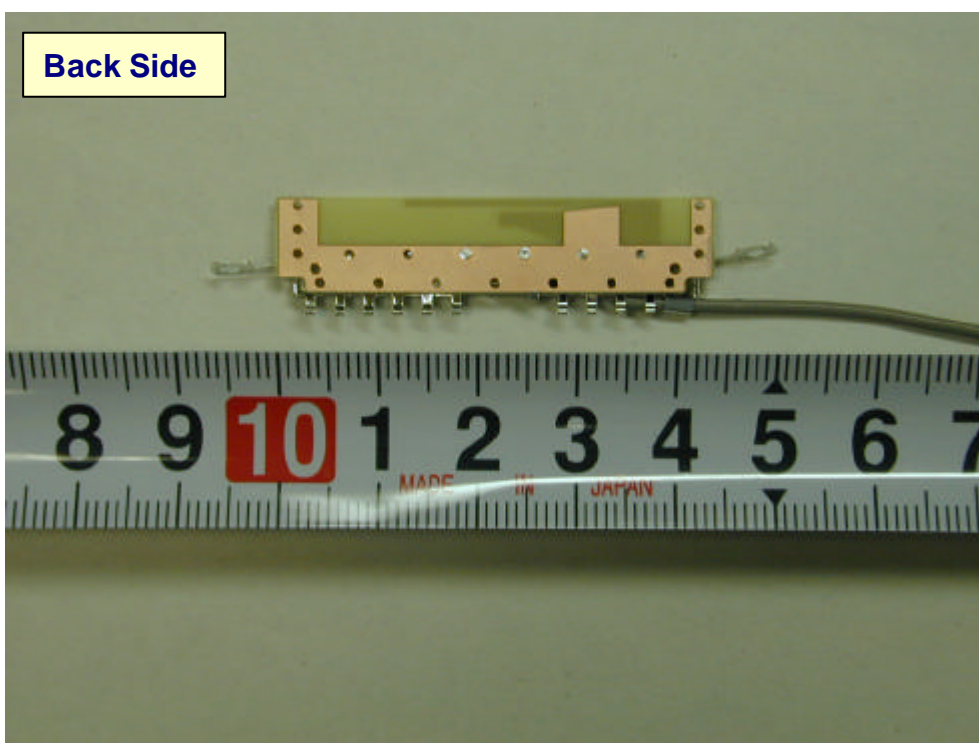
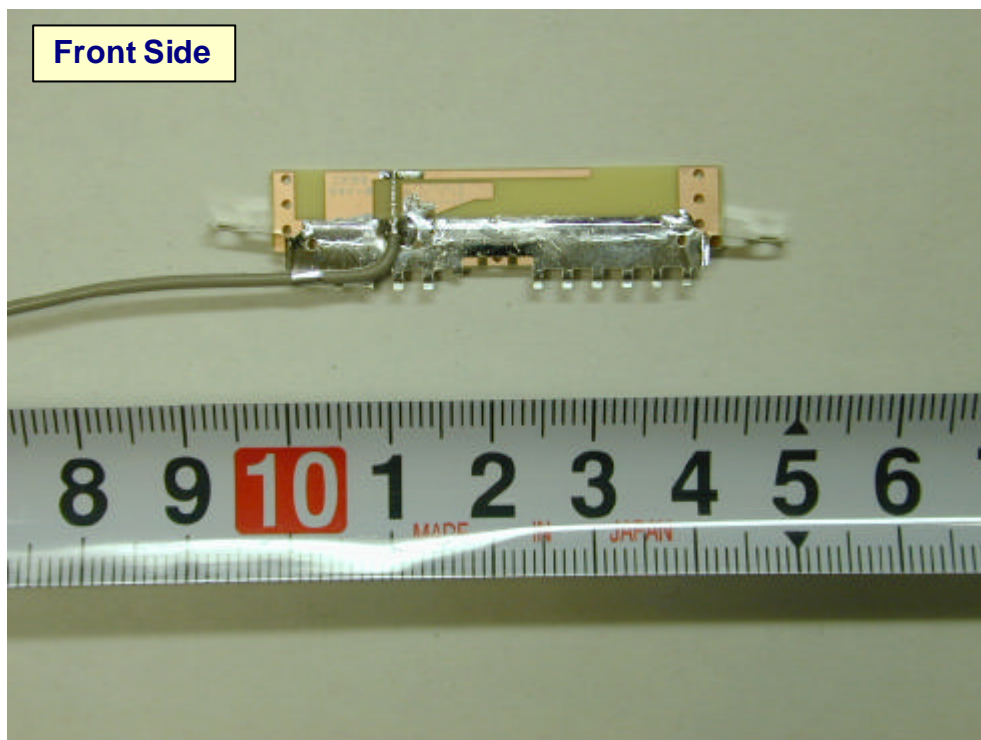
## 4. Exterior Photos of Antennas

**Main Antenna**  
Manufacturer: Faxconn Electronics Inc.  
Parts Number: 62P4204  
Dual Band Inverted-F type antenna  
Cable: coax 740mm



**Auxiliary Antenna**  
Manufacturer: Faxconn Electronics Inc.  
Parts Number: 62P4203  
Dual-Band Coupled Floating Element Antenna  
Cable : coax 860mm

**Main Antenna**



Auxiliary Antenna

