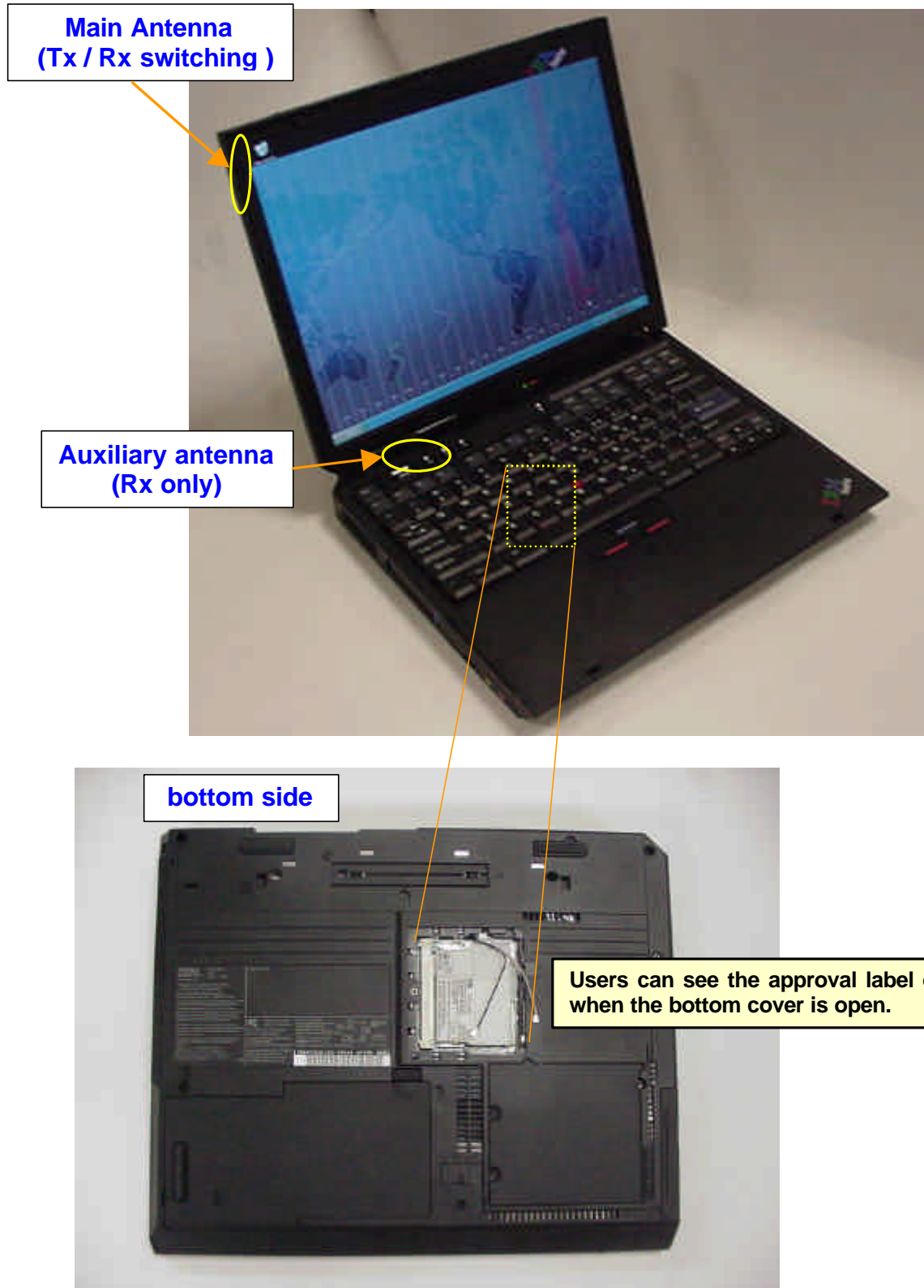


# **Host Unit Information of ThinkPad R32 Series**

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

# Host PC Information

note) The main antenna in left side of LCD is used for both RF transmission and receiving with half duplex switching mode. The auxiliary antenna near the key board hinge portion is used for RF receiver only. When the Wireless PC card is in RF receiving state, one of the antennas is selected automatically to have a good quality of radiocommunication.



The ThinkPad R32 Series has 2 kinds of LCD panel.

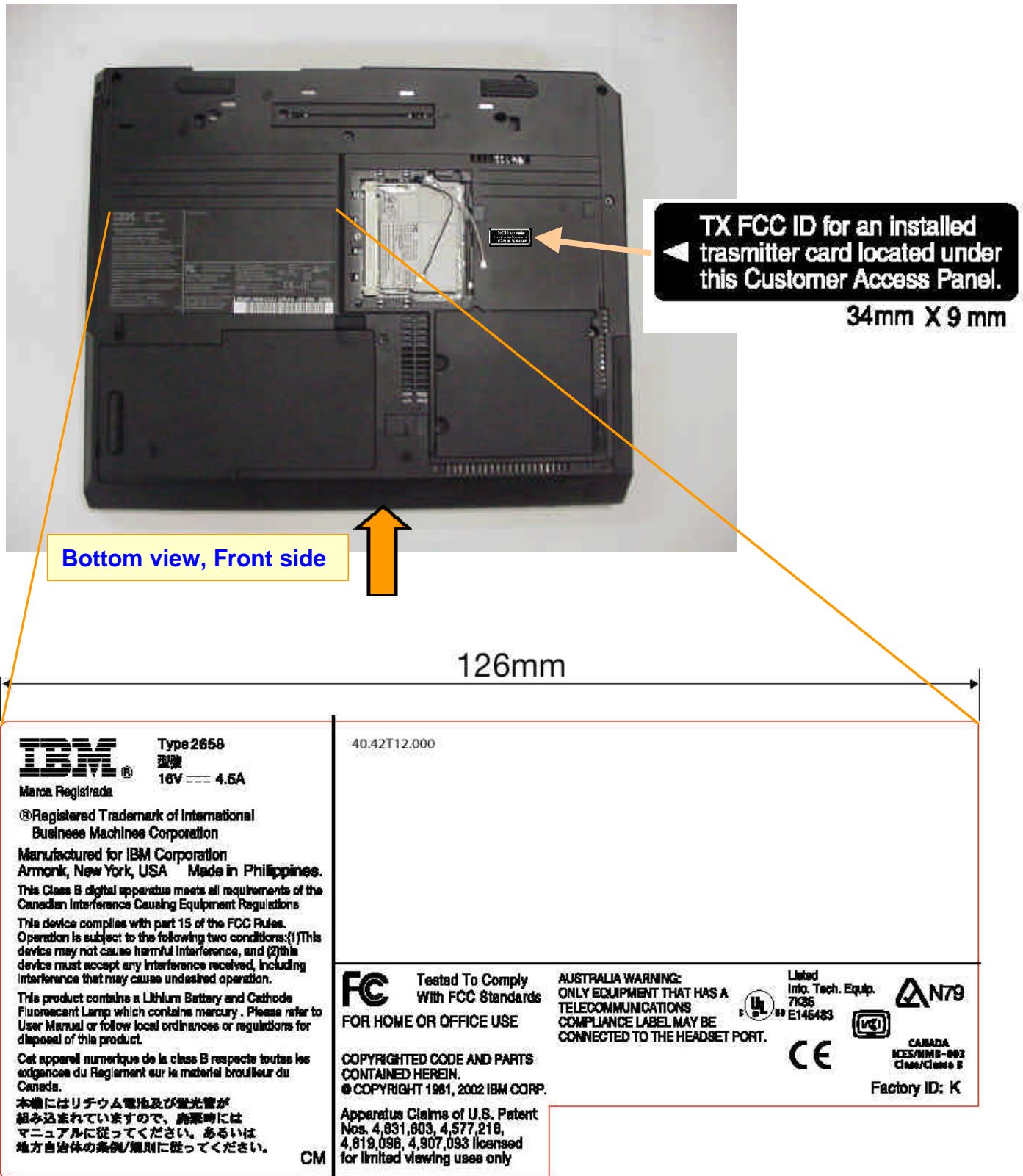
LCD 13 inch Model



LCD 14 inch Model



# Host PC Labeling



# Antenna Information

## 1. Antenna Specification

Transmission Antenna assembly overview

Designator	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
46L6323 Main antenna	Wistron NeWeb Corp. (Taiwan)	Inverted F type Antenna	coax 450mm	0.55 dBi (peak)
46L6324 Auxiliary antenna		Inverted F type Antenna	coax 185mm	- 0.94 dBi (peak)

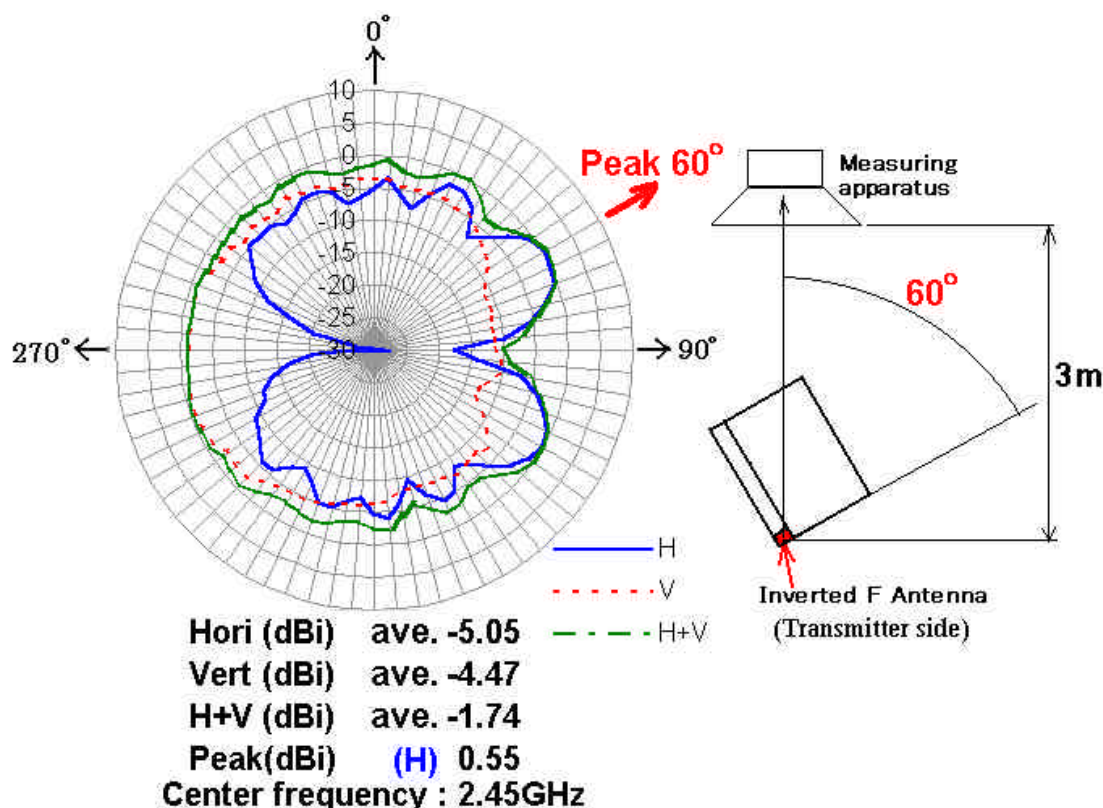
Notes:

1a. Includes all cable losses.

1b. Antenna type should be Omni Directional and have gain of 3.0 dBi or less regarding the IBM internal specification.

## 2. Radiation characteristic of antennas

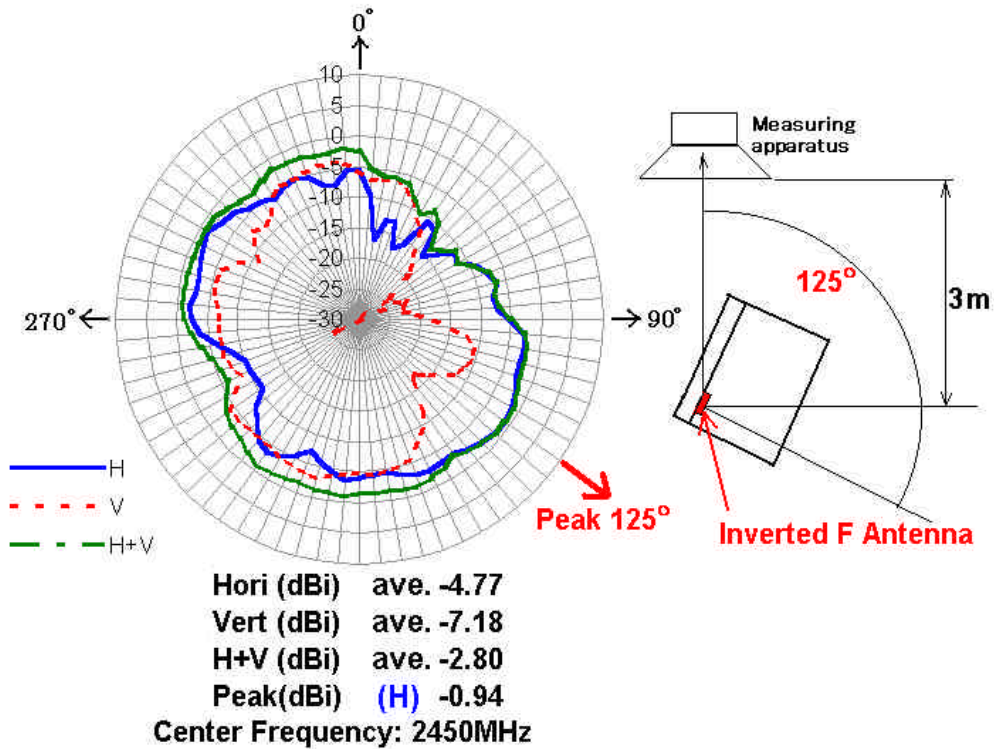
Main antenna



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

Note2) The maximum antenna gain was found around **60 degree** angle from measuring apparatus in **horizontal** polarization at the middle frequency (2.45GHz).

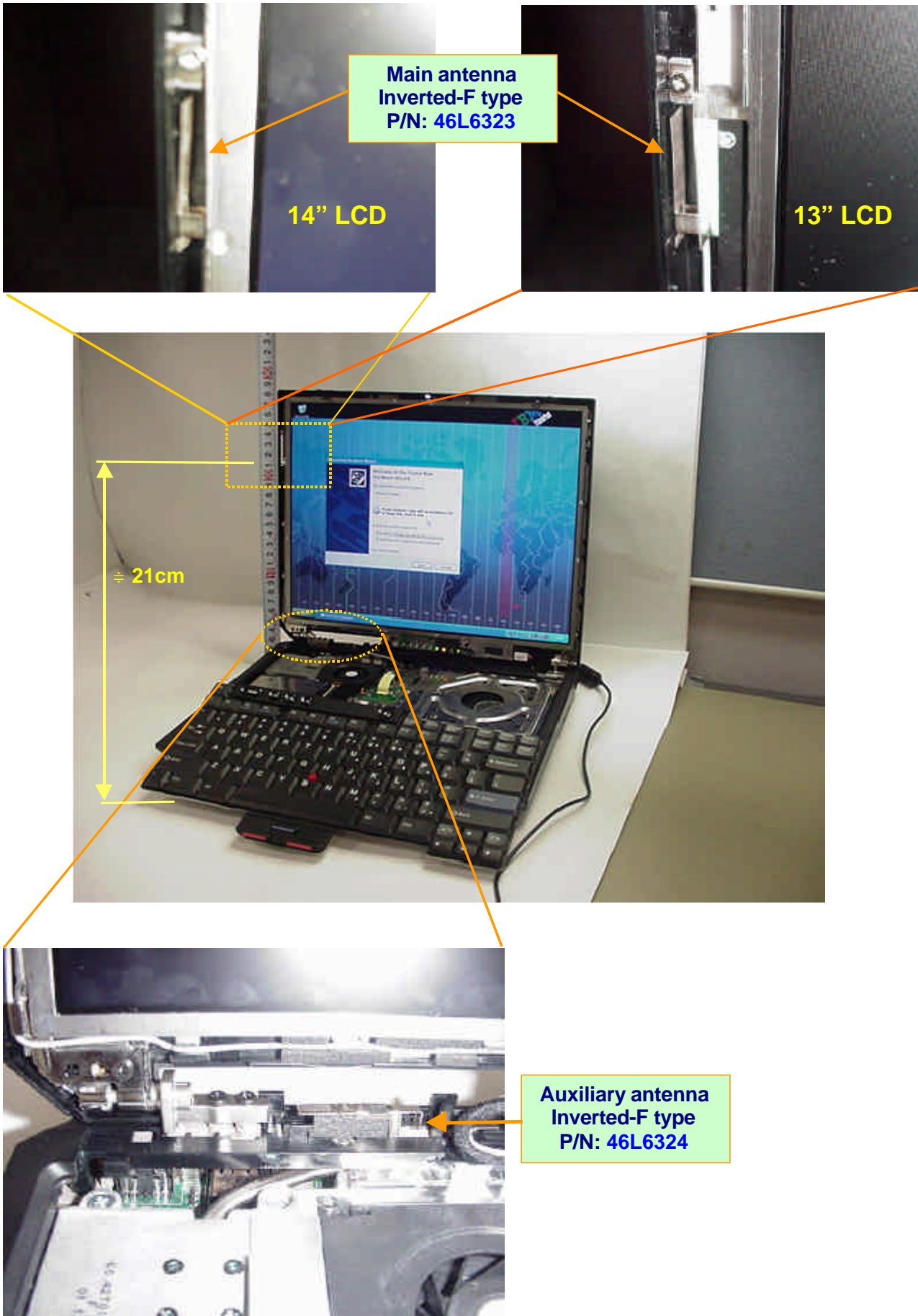


**Auxiliary antenna**

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

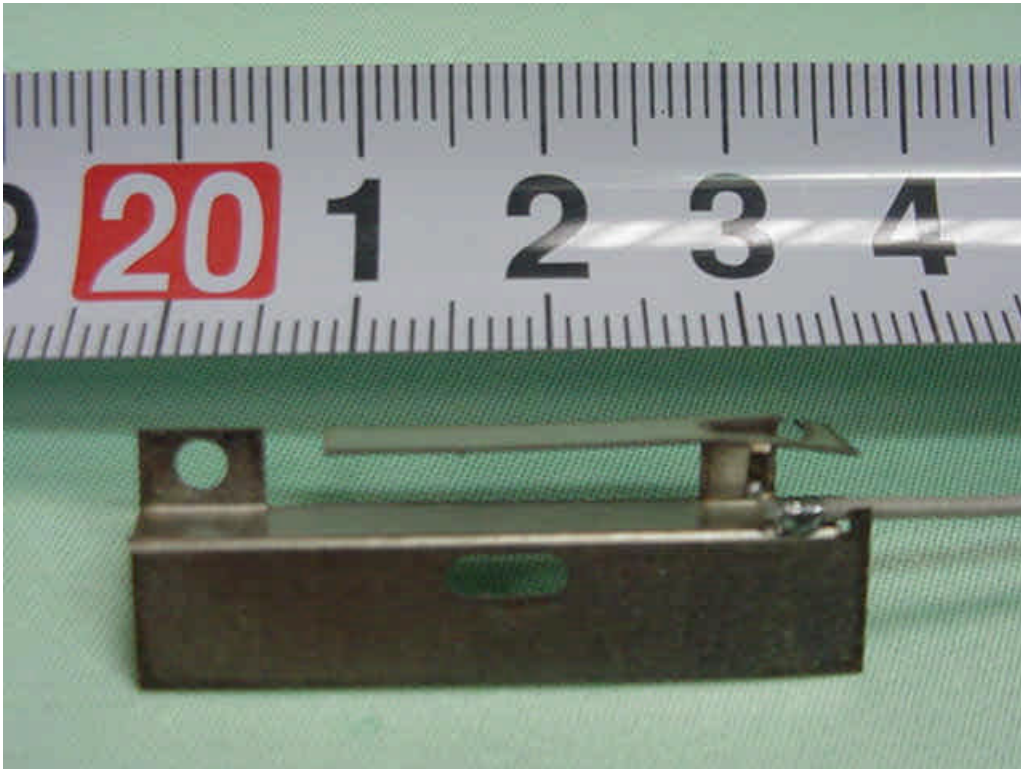
Note2) The maximum antenna gain was found around **125 degree** angle from measuring apparatus in **horizontal** polarization at the middle frequency (2.45GHz).

3. Antenna locations



#### **4. Exterior Photos of Antennas**

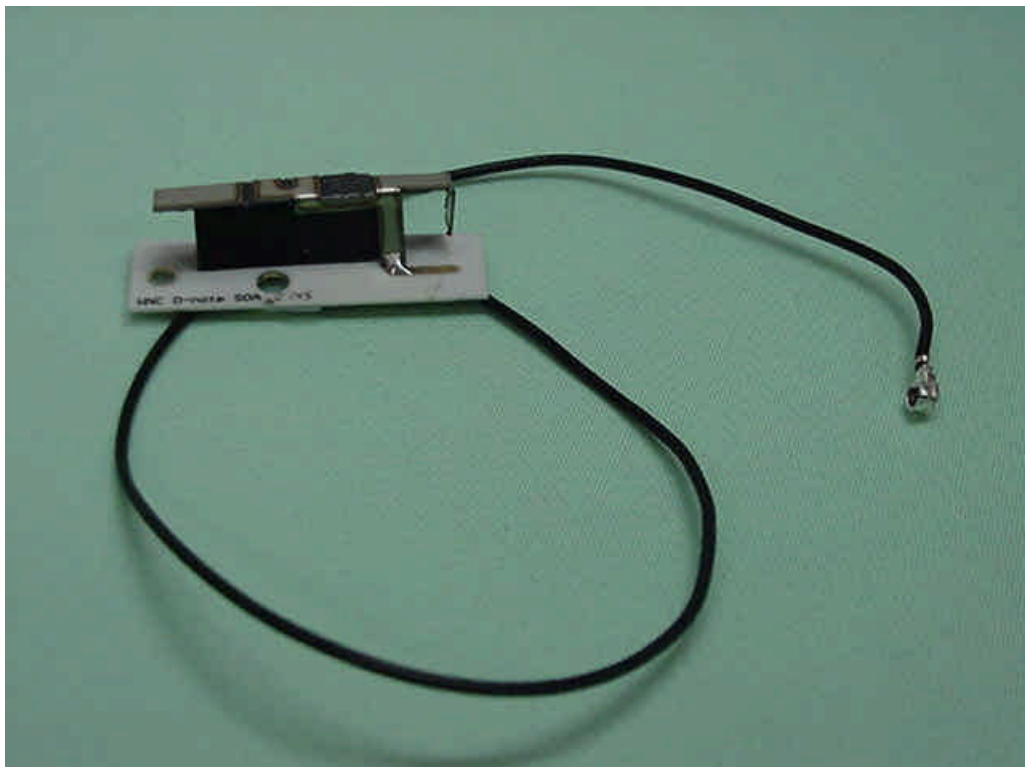
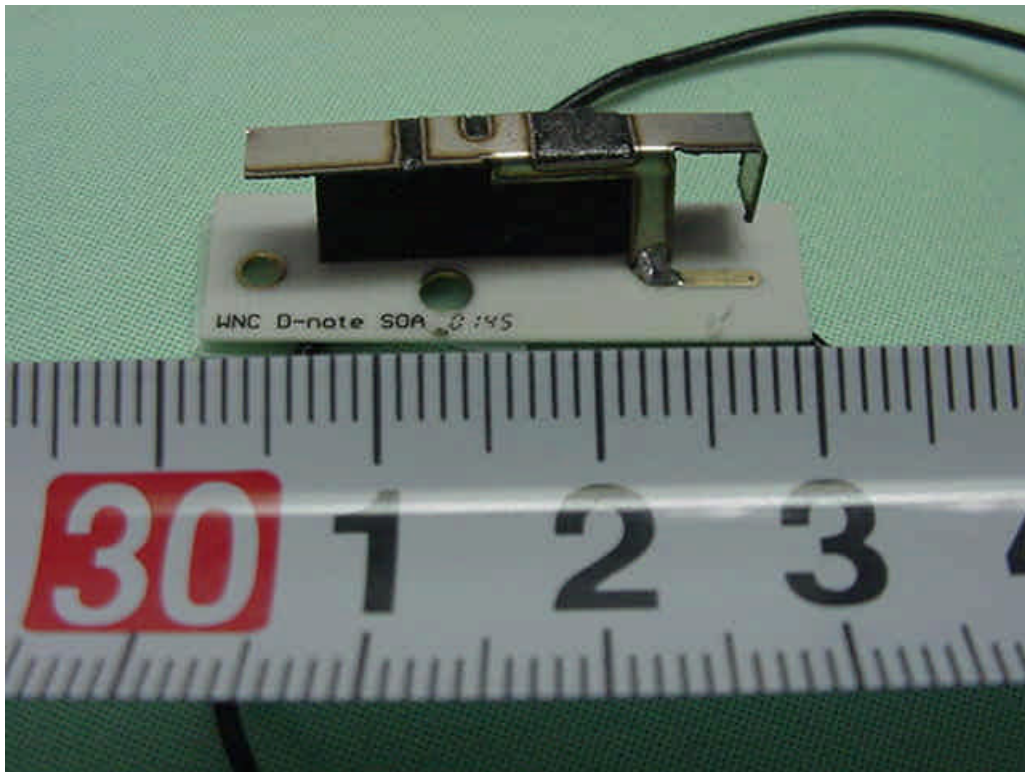
##### **Main Antenna**



**Manufacturer: Wistron NeWeb Corp.**  
**IBM parts number: 46L6323**  
**Inverted-F type antenna**  
**Cable : coax 450 mm**



### Auxiliary Antenna



**Manufacturer: Wistron NeWeb Corp.**  
**IBM parts number: 46L6324**  
**Inverted-F type antenna**  
**Cable : coax 185 mm**