Host Unit Information
of
ThinkPad X30 Series

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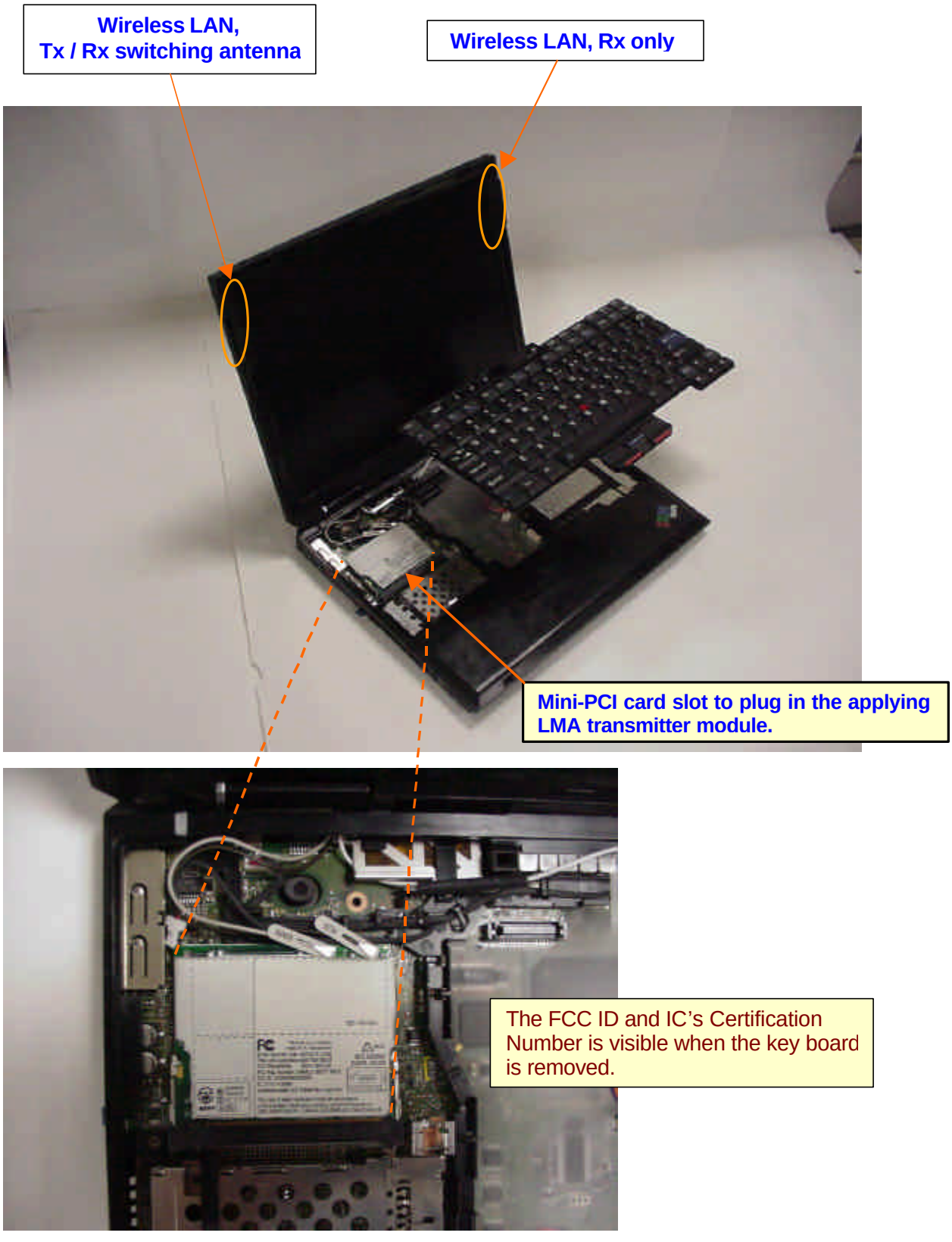
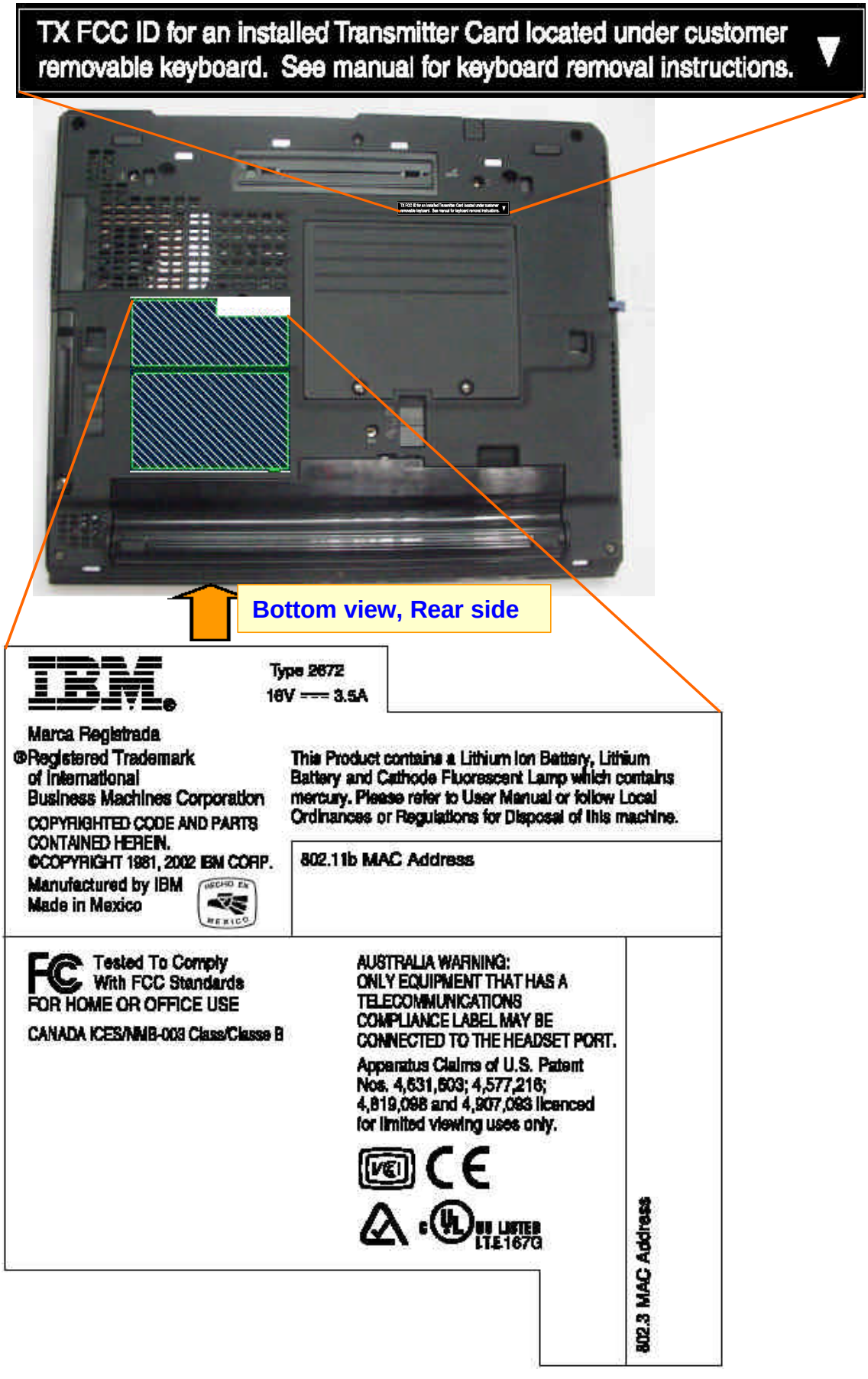
Host PC Information

The left antenna in LCD is used for both RF transmission and receiving with half duplex switching mode. The right 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 radiocommunication



Host PC Labeling



Antenna Information

1. Antenna Specification

Transmission Antenna assembly overview

Designator (Parts Number)	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
LCD left antenna 46L4677	**IBM Japan Ltd.**	**Inverted F type Antenna**	**coax 380mm**	**1.42 dBi (peak)**
LCD right antenna 46L4676			**coax 520mm**	**1.24 dBi (peak)**

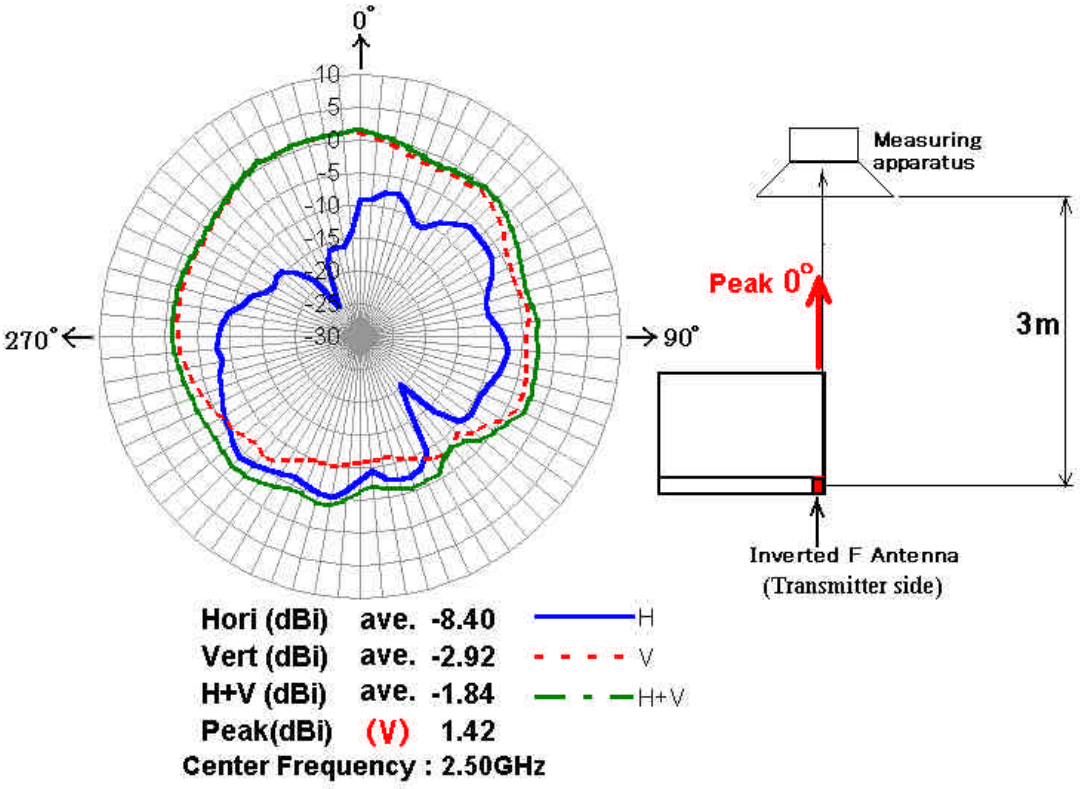
Notes:

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 antenna

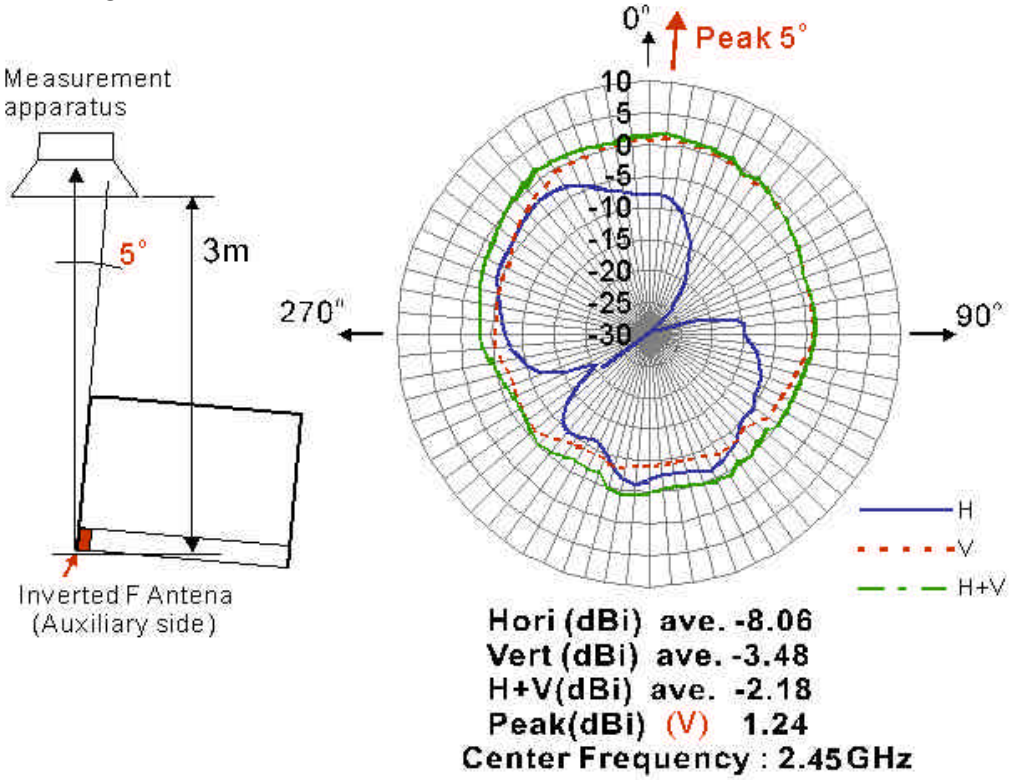
The left antenna



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

Note2) The maximum antenna gain was found around **0 degree** angle from measuring apparatus in **vertical** polarization at the highest frequency(2.50GHz).

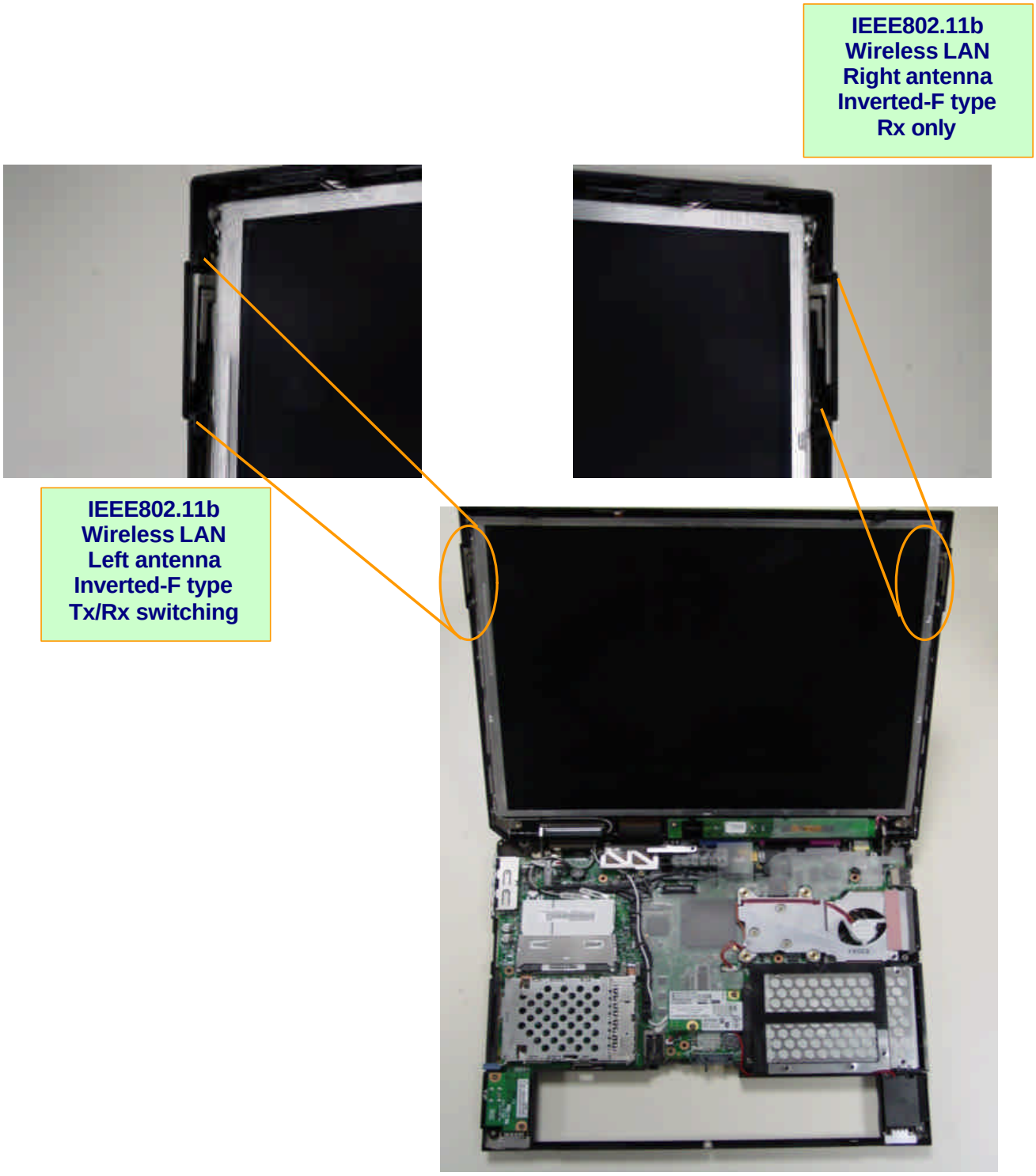
The right antenna



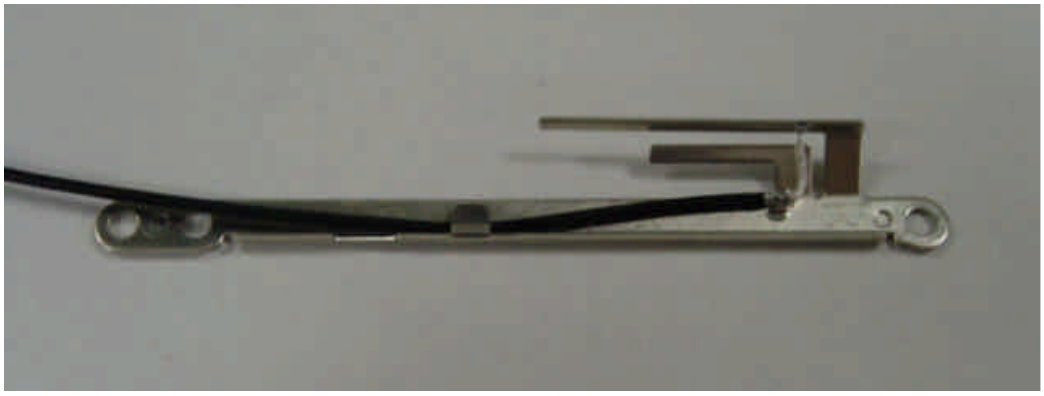
Note1) The measurement was performed at 3 frequencies (2400, 2450, 2500MHz).

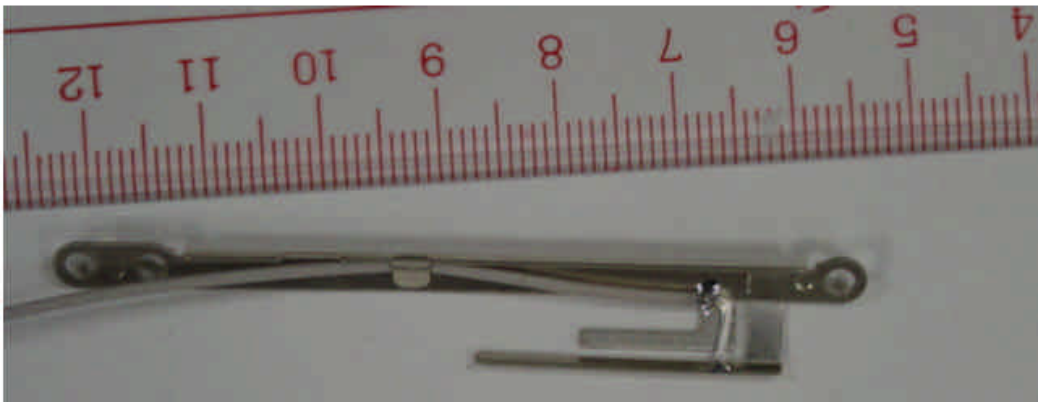
Note2) The maximum antenna gain was found around **5 degree** angle from measuring apparatus in **vertical** polarization at the middle frequency (2.45GHz).

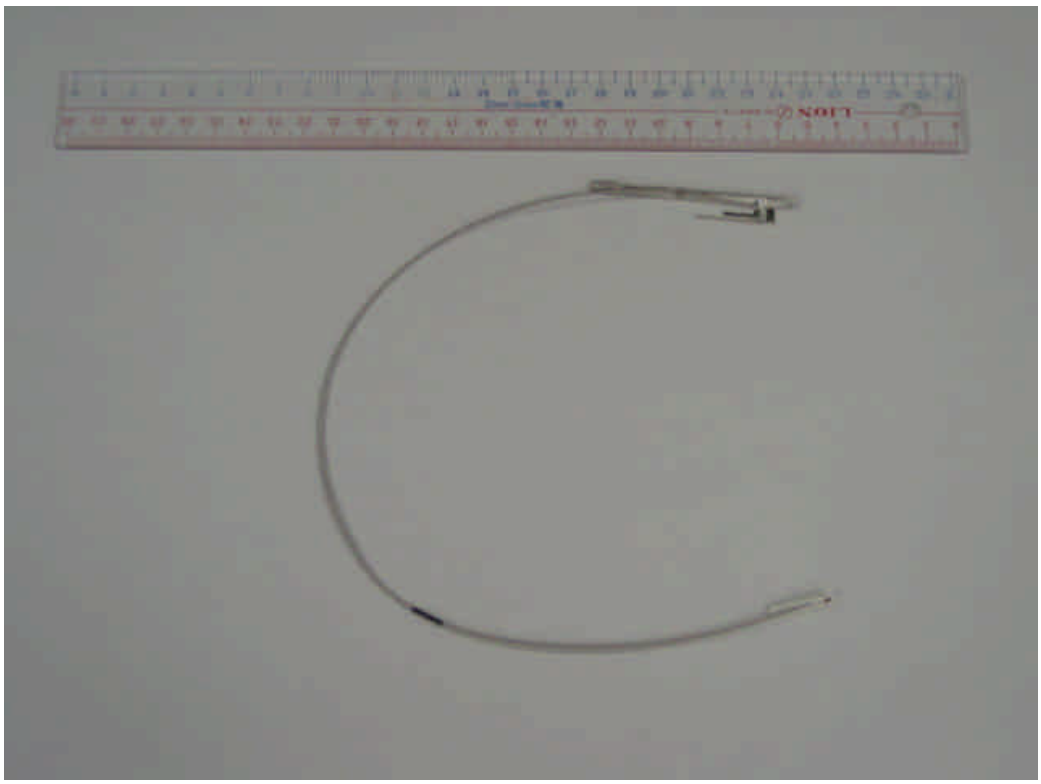
3. Antenna Locations



4. Exterior Photos of Antennas







Left antenna (Tx/Rx switch) : IBM P/N: 46L4677 Cable : coax 380 mm
Right antenna (Rx only) : IBM P/N: 46L4676 Cable : coax 520 mm