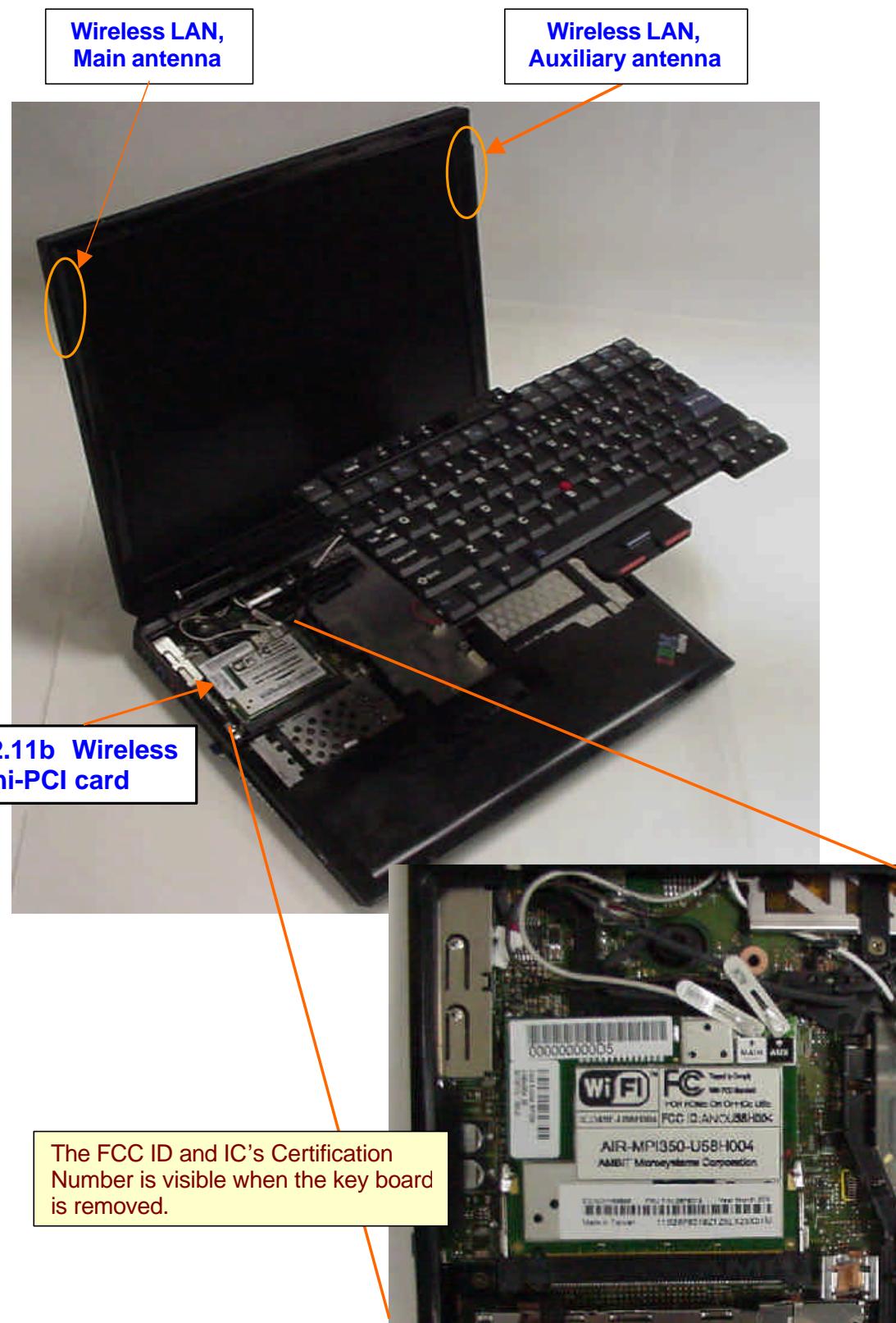


Host Unit Information of ThinkPad X30 Series

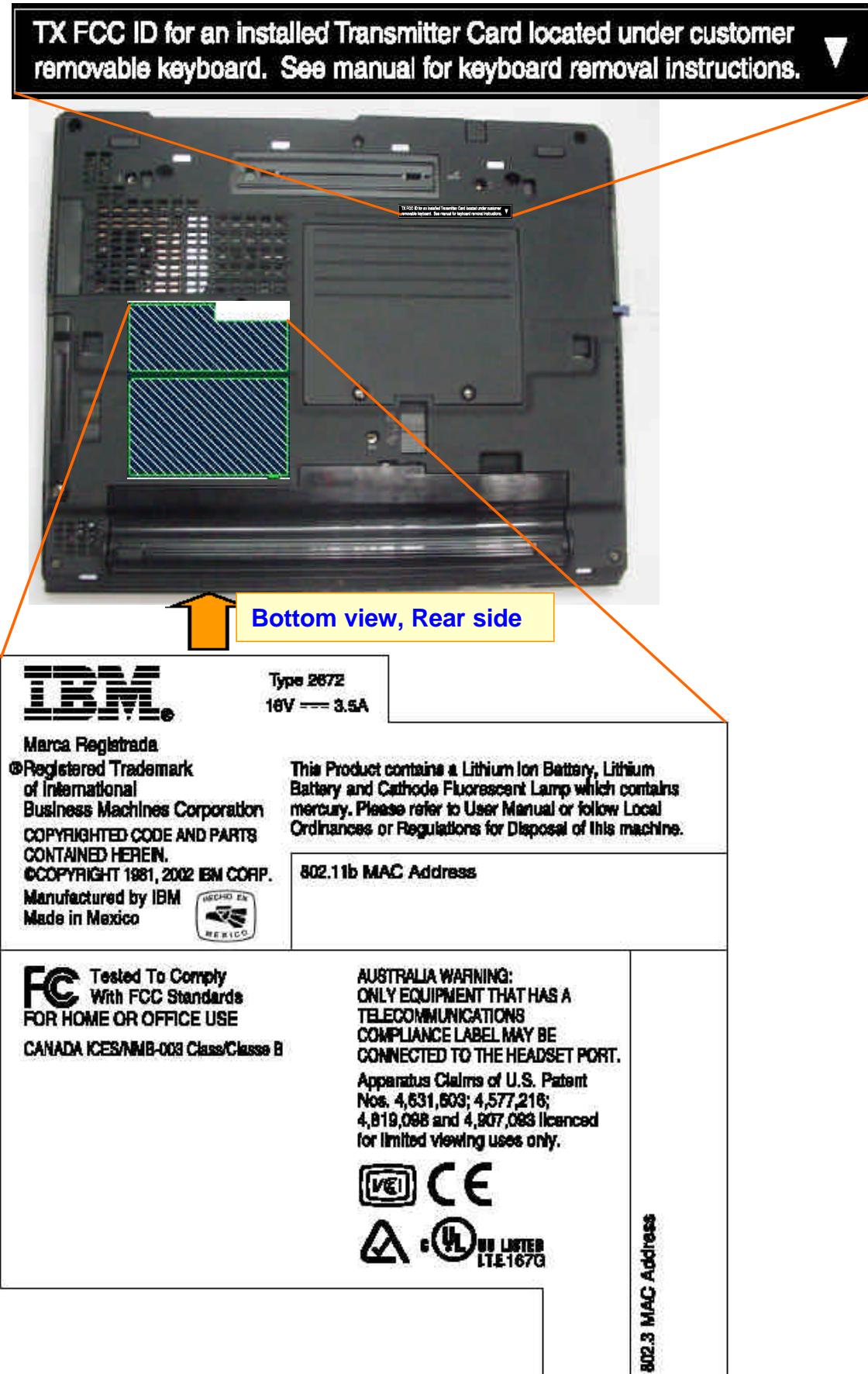
- **Host PC Information**
- **Host PC Labeling**
- **Antenna Information**

Host PC Information

The two inverted F-figure type antennas are built in the left and right sides of LCD panel. Those diversity antennas are not used simultaneously. The one of the antennas is selected automatically or manually to have a good quality 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)

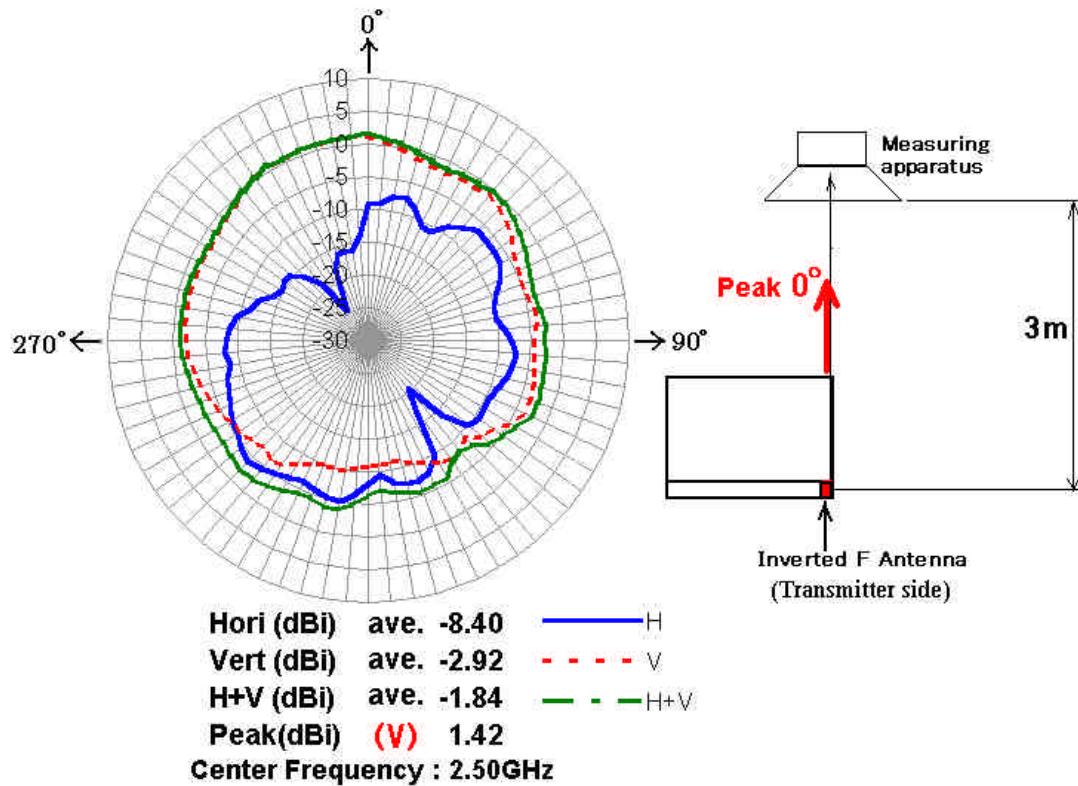
Notes:

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

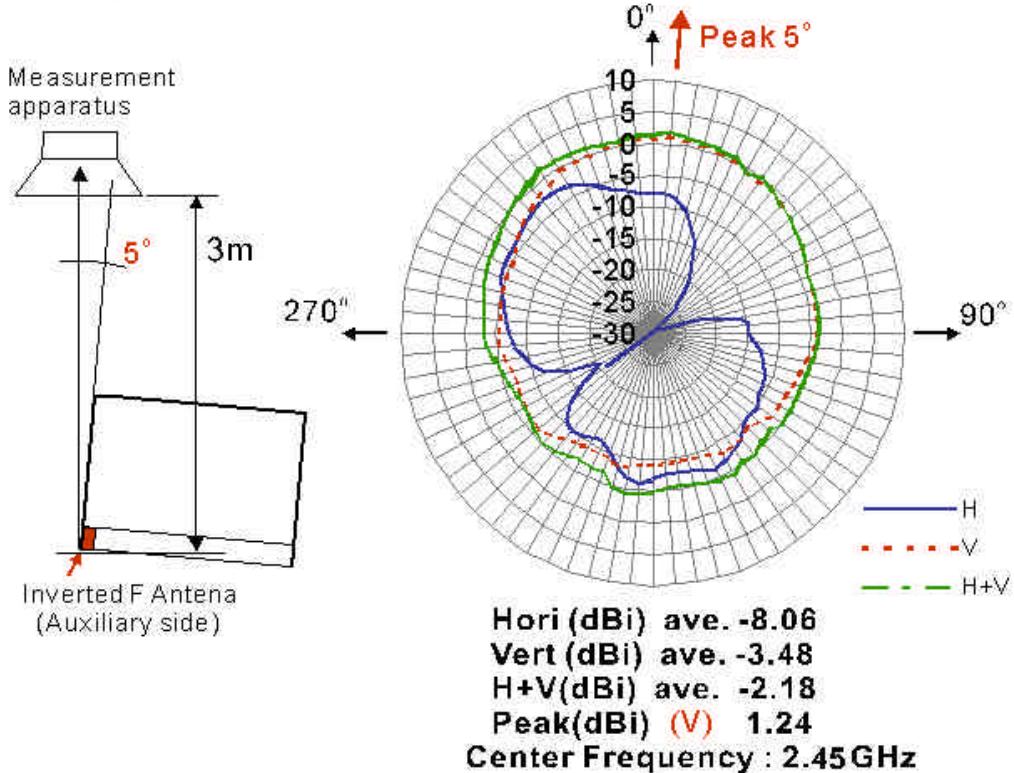
The left antenna (Main Antenna)



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).

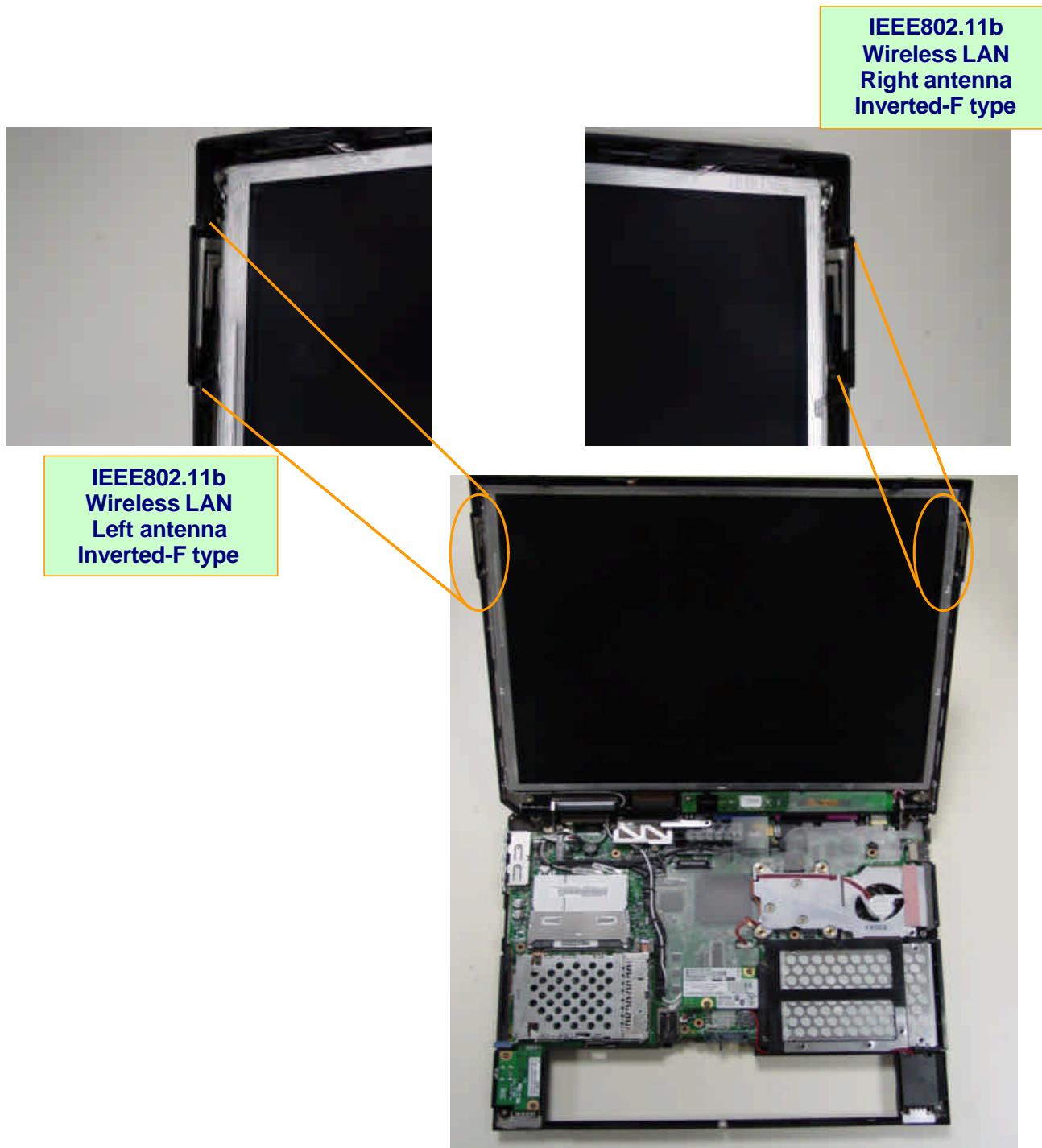
The right antenna (Auxiliary antenna)



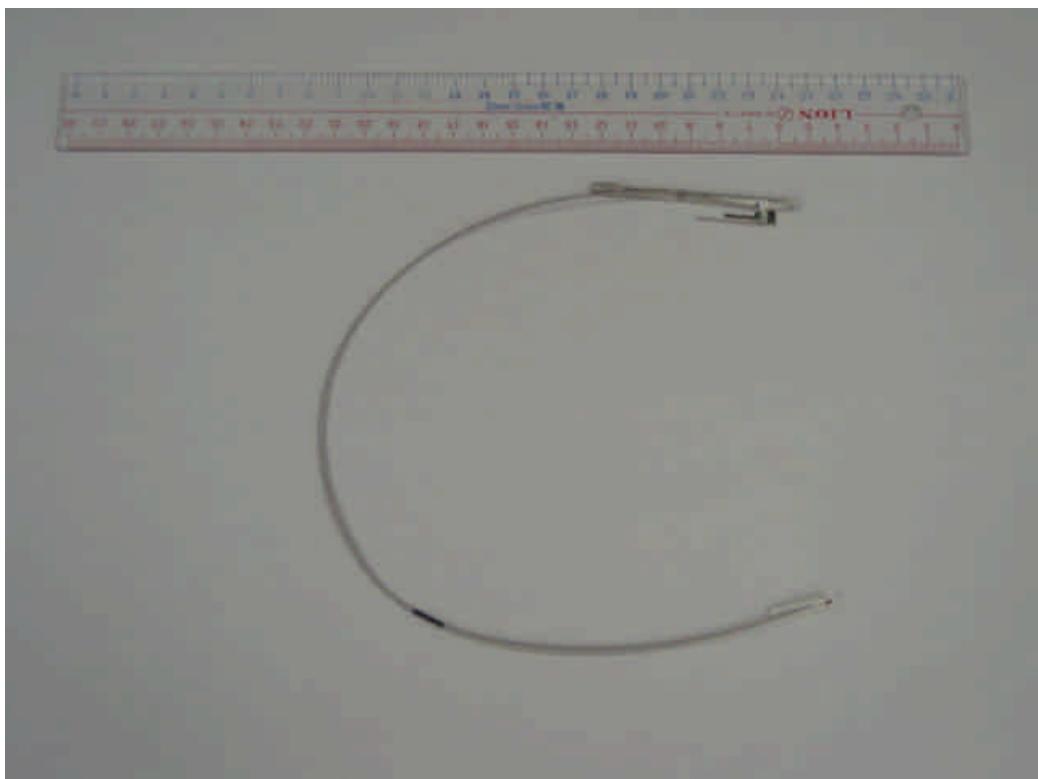
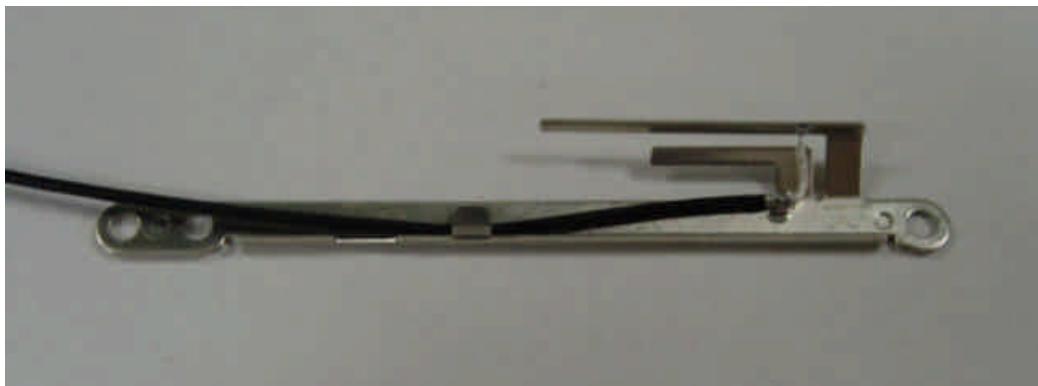
Note1) The measurement was performed at 3 frequencies (2400, 2450, 2500MHz).

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