

Host Unit Information of ThinkPad R32 Series

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

Host PC Information

note) The two inverted F-figure type antennas are built in the left side of LCD and the hinge section of main body. 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.



The ThinkPad R32 Series has 2 kinds of LCD panel.

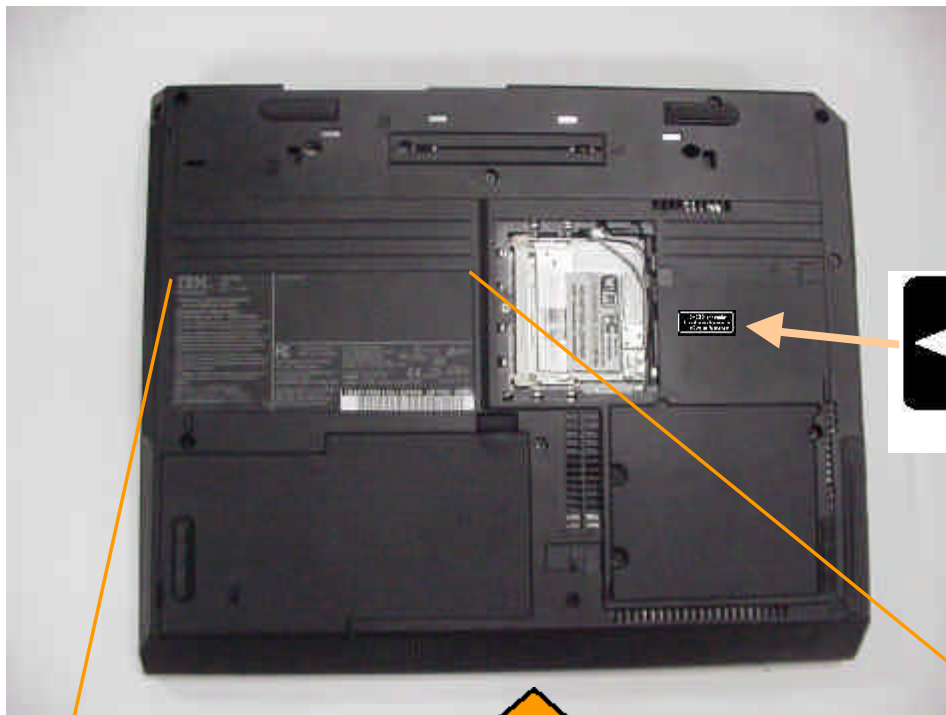
LCD 13 inch Model



LCD 14 inch Model



Host PC Labeling



TX FCC ID for an installed transmitter card located under this Customer Access Panel.

34mm X 9 mm

Bottom view, Front side

126mm

IBM Type 2658 型號 16V --- 4.5A Marca Registrada ®Registered Trademark of International Business Machines Corporation Manufactured for IBM Corporation Armonk, New York, USA Made in Philippines. This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This product contains a Lithium Battery and Cathode Fluorescent Lamp which contains mercury. Please refer to User Manual or follow local ordinances or regulations for disposal of this product. Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada. 本機にはリチウム電池及び蛍光管が組み込まれていますので、廃棄時にはマニュアルに従ってください。あるいは、地方自治体の条例/規則に従ってください。	40.42T12.000 FC Tested To Comply With FCC Standards FOR HOME OR OFFICE USE COPYRIGHTED CODE AND PARTS CONTAINED HEREIN. © COPYRIGHT 1981, 2002 IBM CORP. Apparatus Claims of U.S. Patent Nos. 4,831,803, 4,577,218, 4,818,098, 4,907,093 licensed for limited viewing uses only	AUSTRALIA WARNING: ONLY EQUIPMENT THAT HAS A TELECOMMUNICATIONS COMPLIANCE LABEL MAY BE CONNECTED TO THE HEADSET PORT. Listed Info. Tech. Equip. 7K26 E146483 CE N79 CANADA NCS/MNB-002 Class/Classe B Factory ID: K
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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)

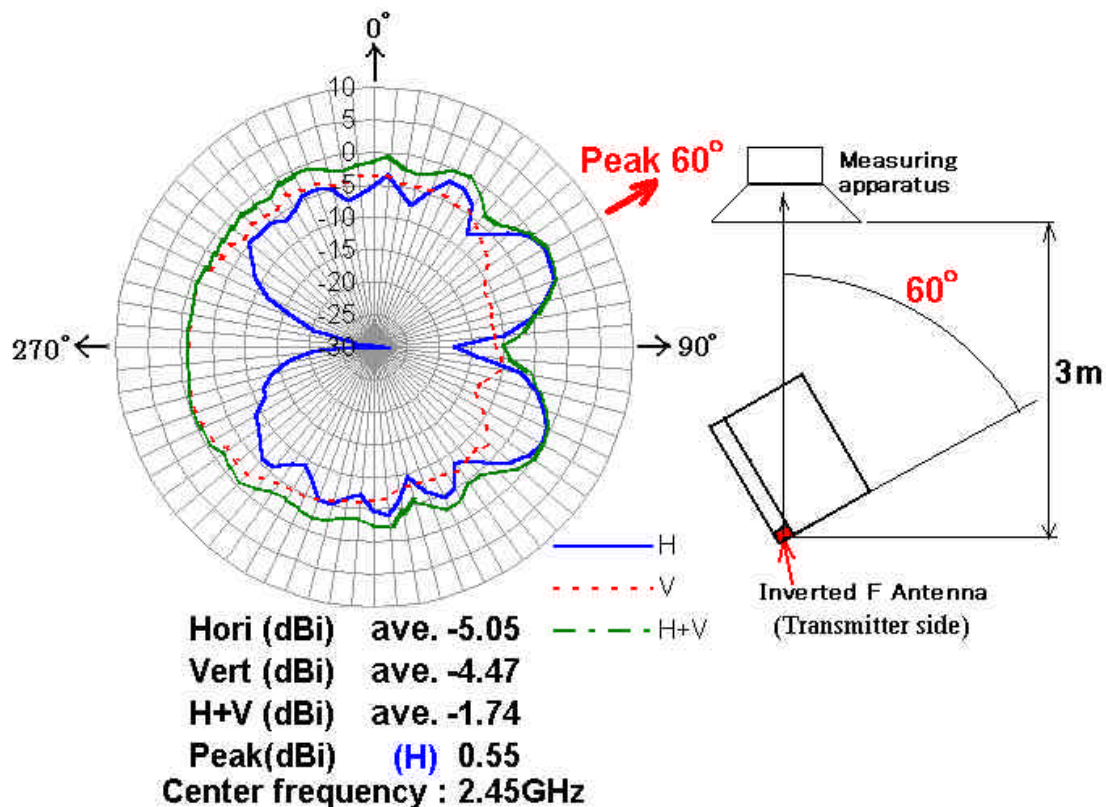
Notes:

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.

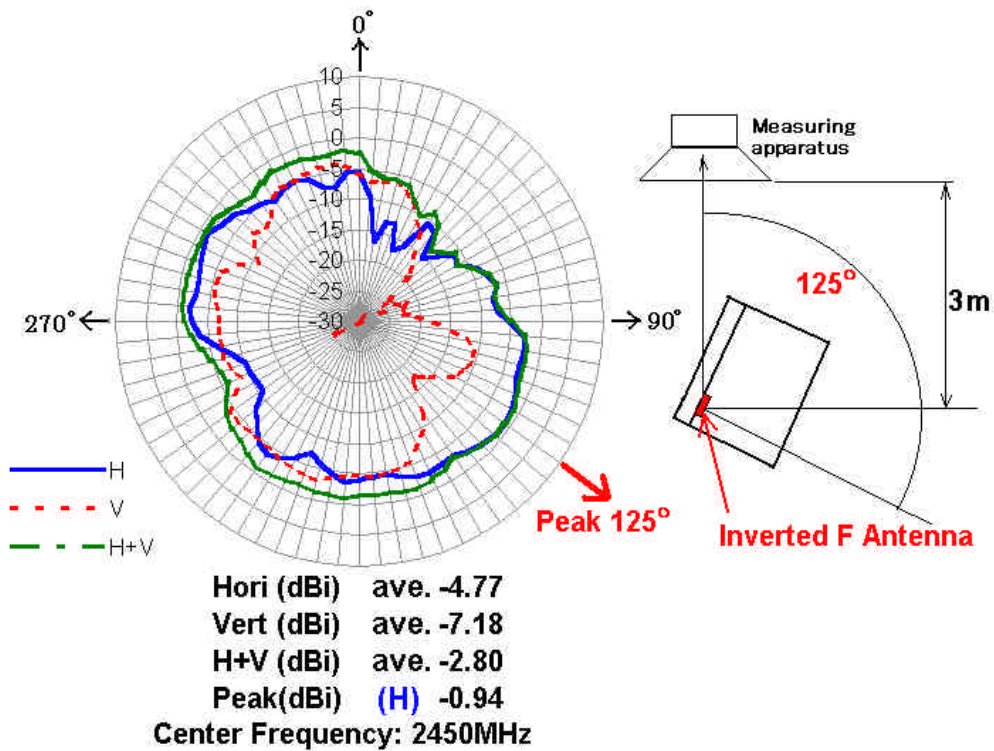
2. Radiation characteristic of antennas

Main antenna



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

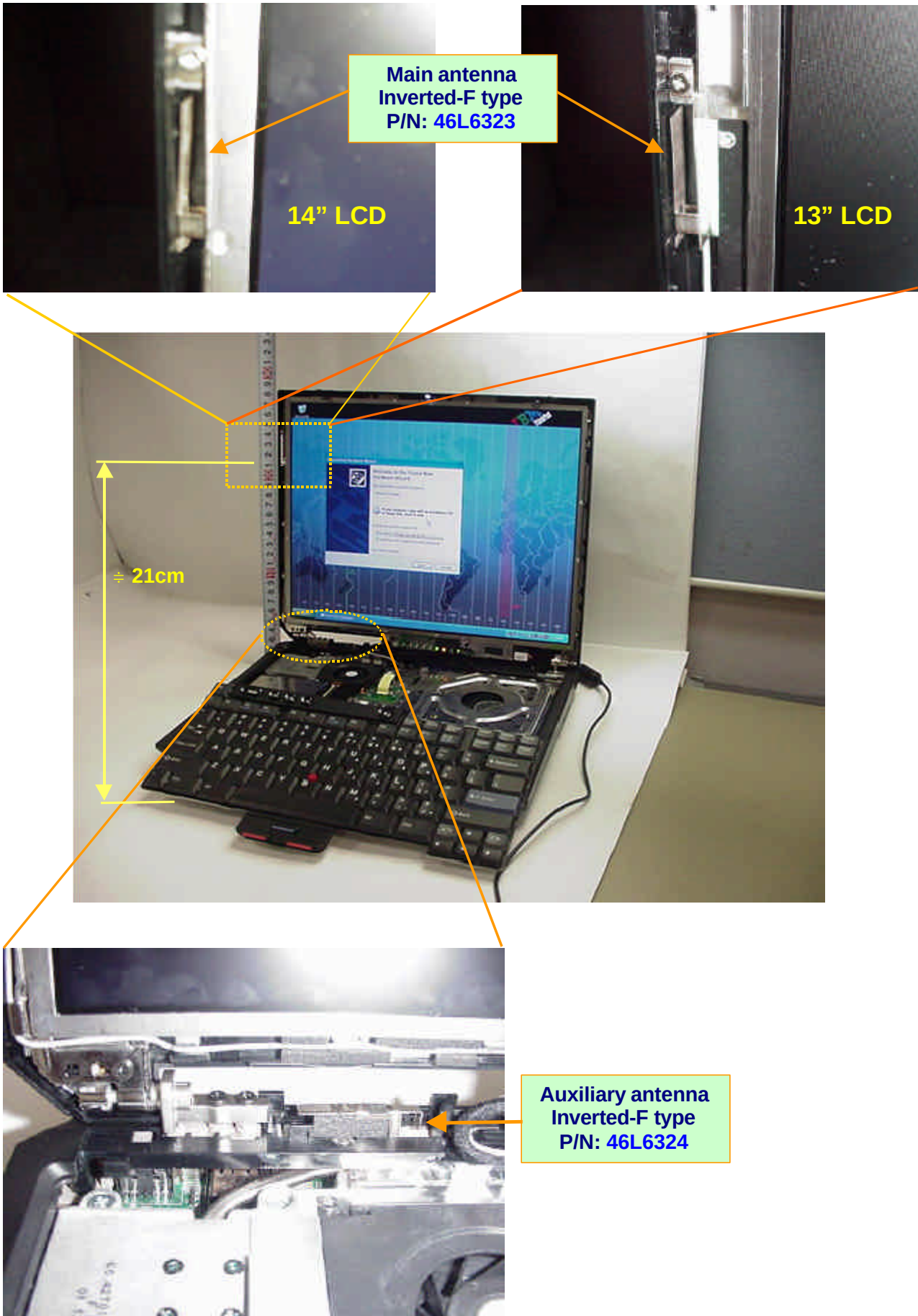
Note2) The maximum antenna gain was found around **60 degree** angle from measuring apparatus in **horizontal** polarization at the middle frequency (2.45GHz).

Auxiliary antenna

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

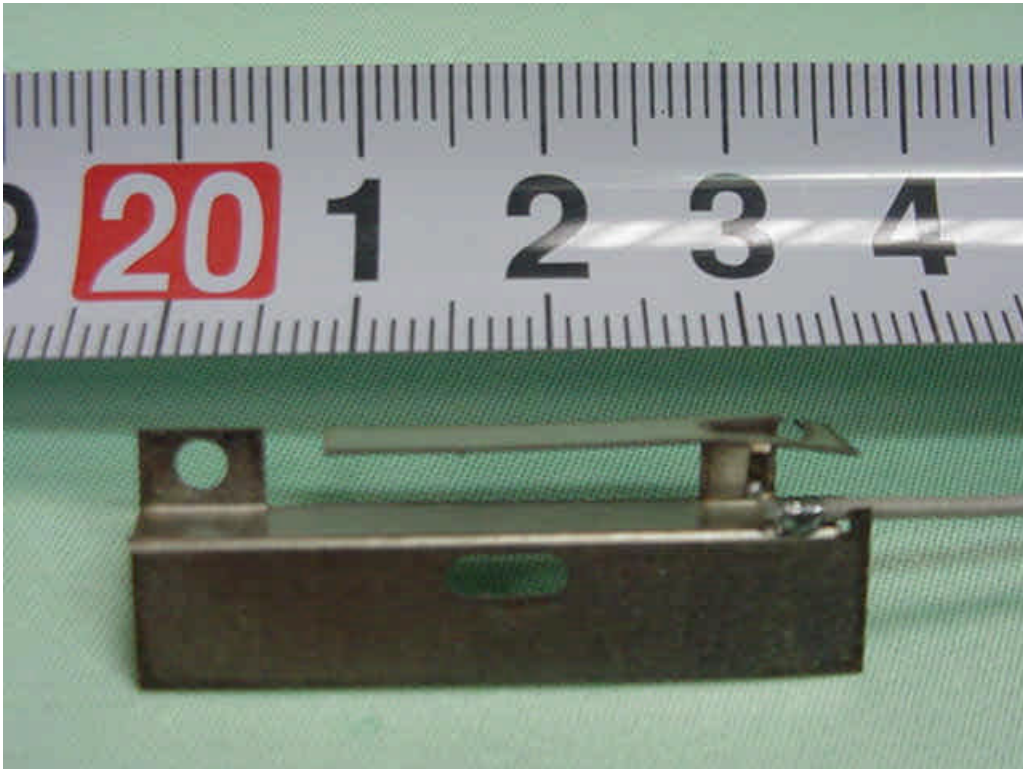
Note2) The maximum antenna gain was found around **125 degree** angle from measuring apparatus in **horizontal** polarization at the middle frequency (2.45GHz).

3. Antenna locations



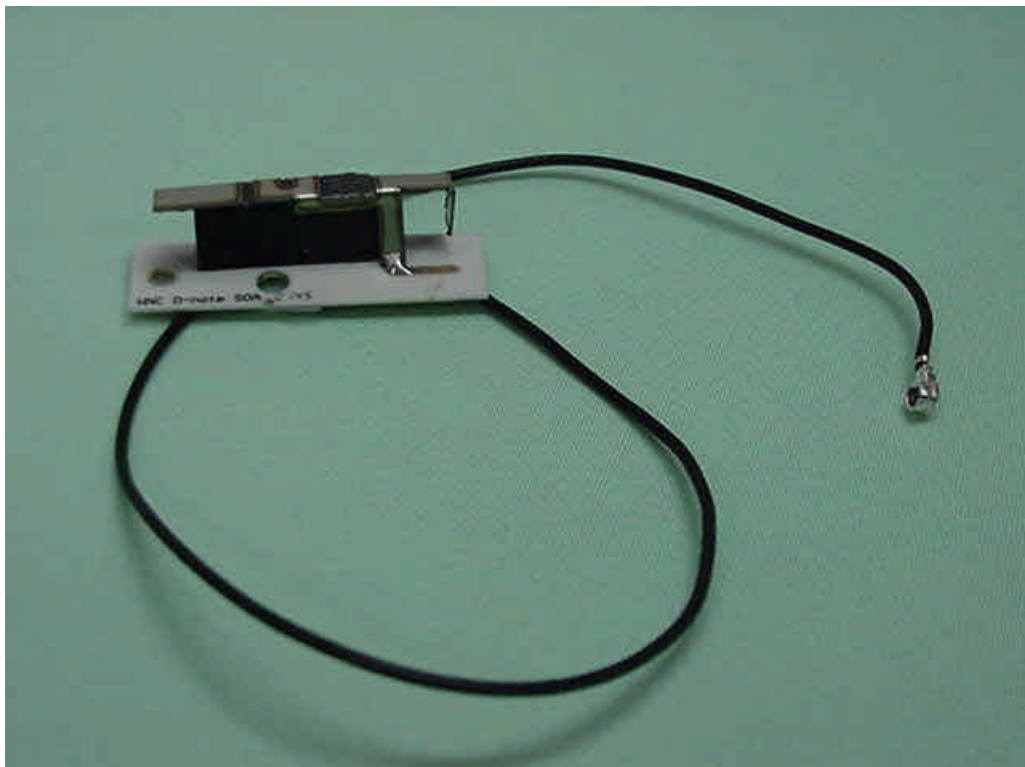
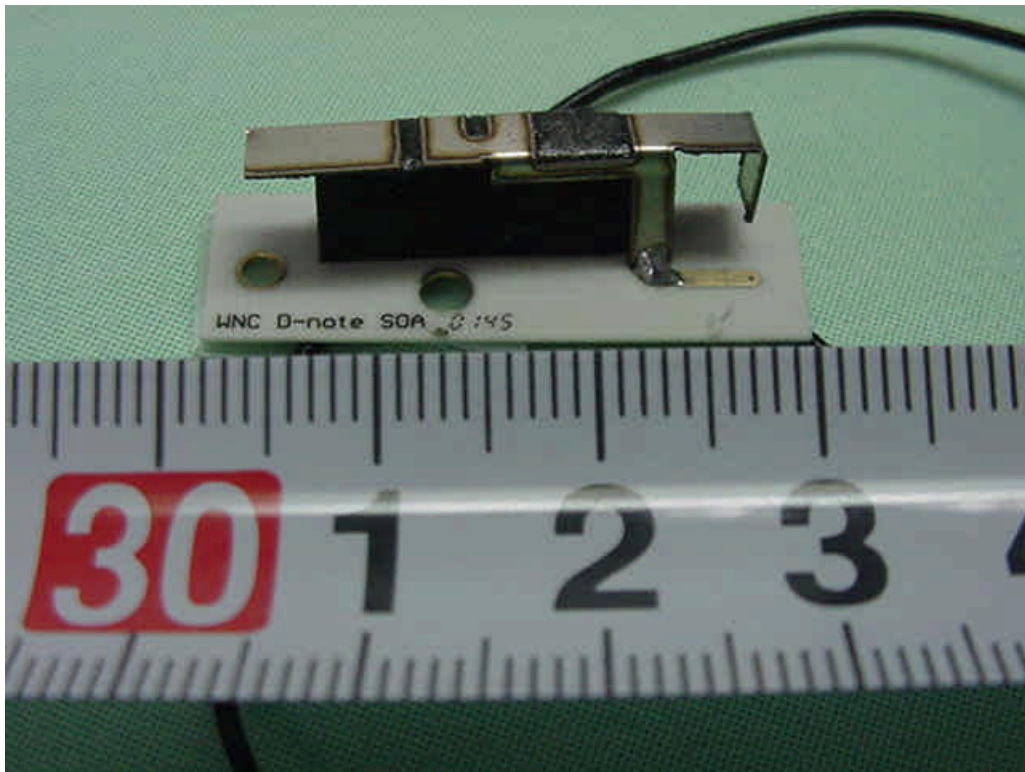
4. Exterior Photos of Antennas

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