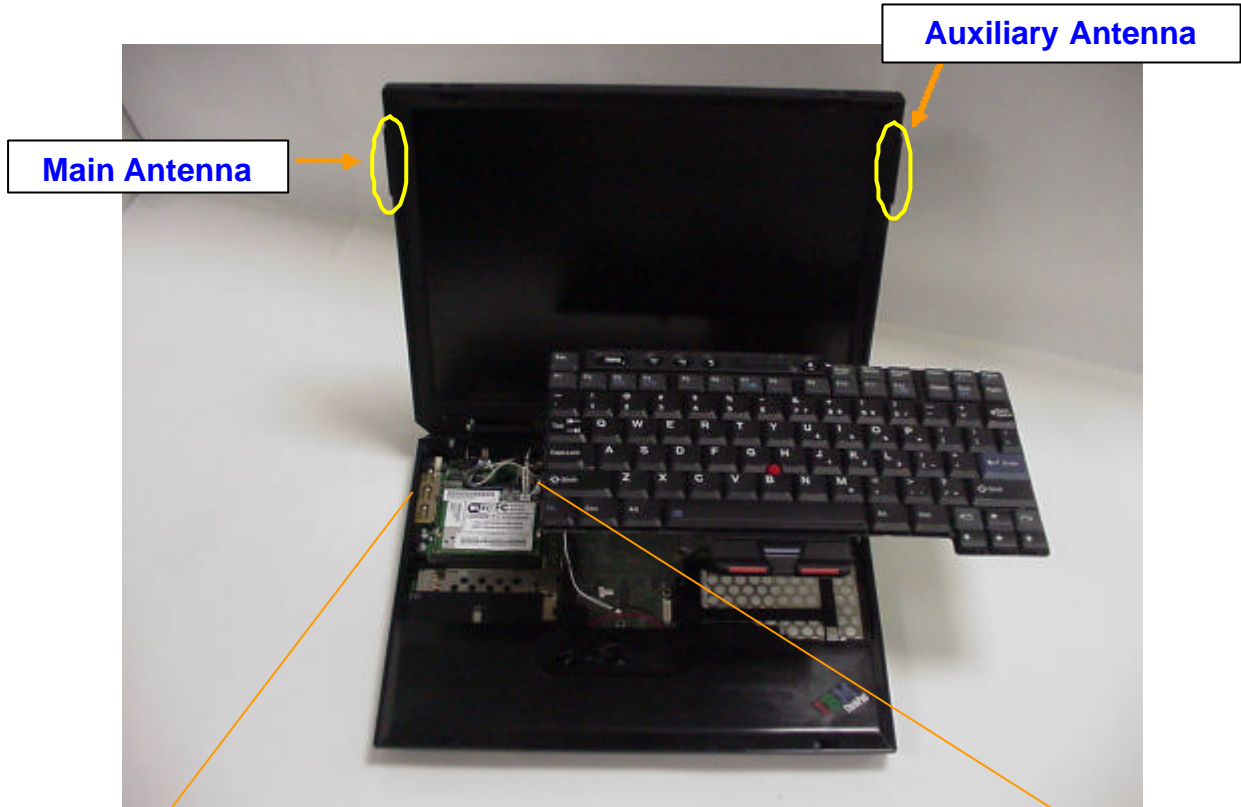


Host Unit Information of ThinkPad X30 Series

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

Host PC Information

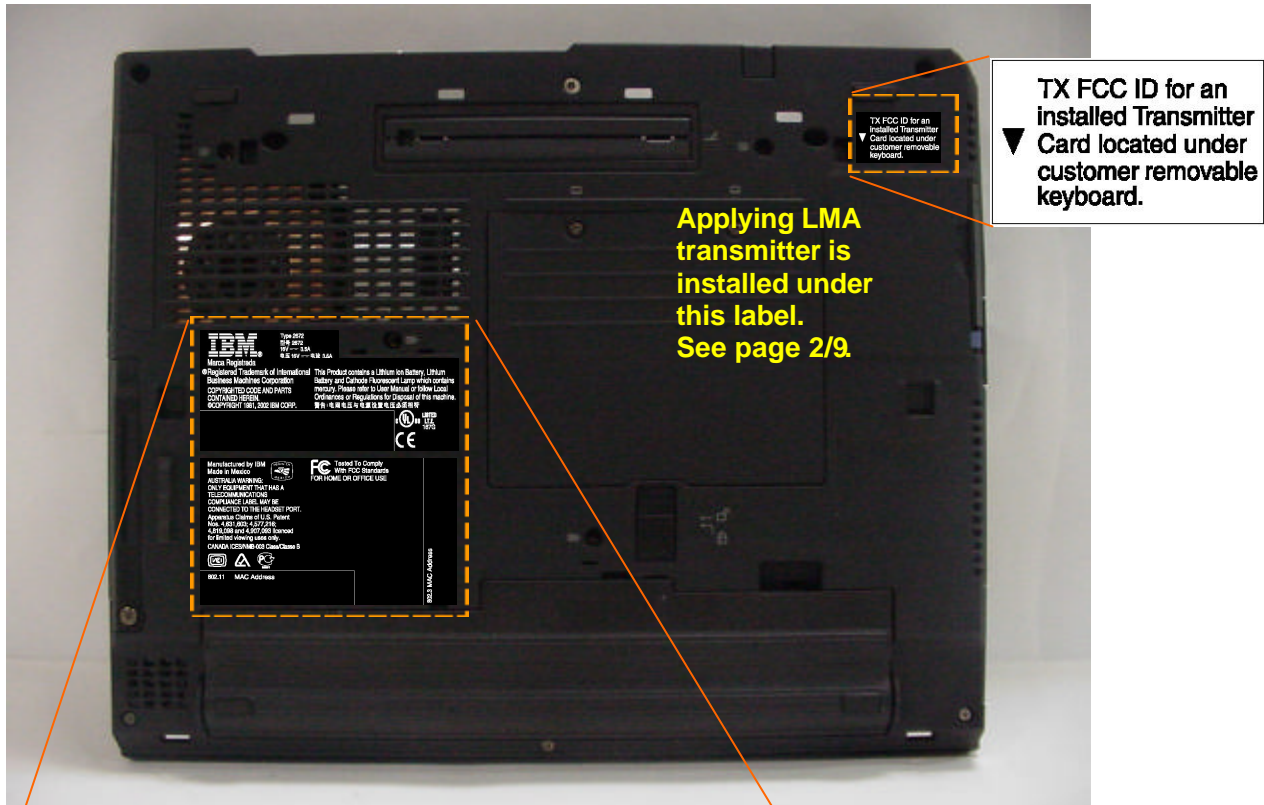
The two inverted F-figure type antennas are built in the left and right sides of LCD panel. Those diversity antennas are not used simultaneously. One of the antennas is selected automatically or manually to have a good quality of radio communication.











IBM ThinkPad X30 Series



Host PC Labeling

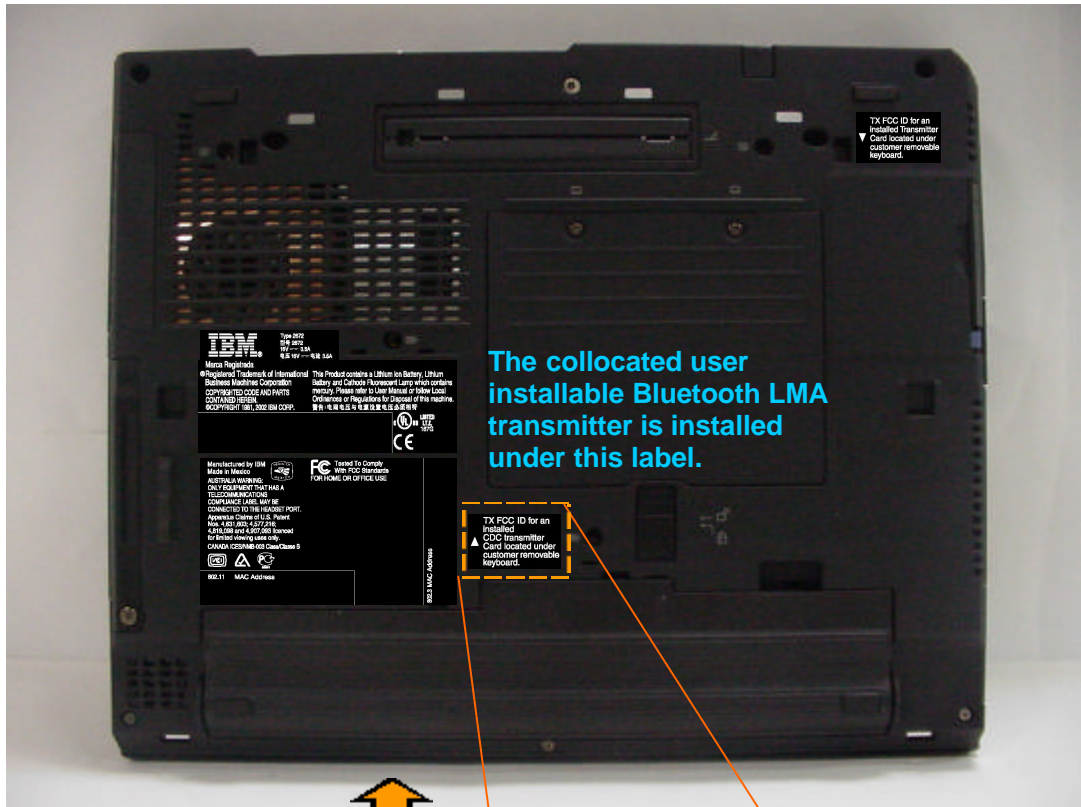



Bottom view
Front Side

 <p>Type 2672 型号 2872 16V — 3.5A 电压 16V — 电流 3.5A</p>	<p> Registered Trademark of International Business Machines Corporation COPYRIGHTED CODE AND PARTS CONTAINED HEREIN. ©COPYRIGHT 1981, 2002 IBM CORP. </p> <p> This Product contains a Lithium Ion Battery, Lithium Battery and Cathode Fluorescent Lamp which contains mercury. Please refer to User Manual or follow Local Ordinances or Regulations for Disposal of this machine. 警告: 电网电压与电源设置电压必须相符 </p>
<p> Manufactured by IBM Made in Mexico </p> <p> AUSTRALIA WARNING: ONLY EQUIPMENT THAT HAS A TELECOMMUNICATIONS COMPLIANCE LABEL MAY BE CONNECTED TO THE HEADSET PORT. </p> <p> Apparatus Claims of U.S. Patent Nos. 4,631,603; 4,577,216; 4,819,098 and 4,907,093 licenced for limited viewing uses only. </p> <p> CANADA ICES/NMB-003 Class/Class B </p> <p>    </p> <p>802.11 MAC Address</p>	<p>  Tested To Comply With FCC Standards FOR HOME OR OFFICE USE </p> <p style="text-align: right;">  LIMITED L.T.E. 187G  </p> <p style="text-align: right; writing-mode: vertical-rl; transform: rotate(180deg);">802.3 MAC Address</p>

Label for a different model of the host PC (ThinkPad X30 Series)

The model (X30) supports the applying transmitter and a built-in type Bluetooth LMA module which is to be certified separately with FCC ID: ANO20020100MTN.



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

TX FCC ID for an installed CDC transmitter Card located under customer removable keyboard.

TX FCC ID for an installed CDC transmitter Card located under customer removable keyboard.

Antenna Information

1. Antenna Specification

Transmission Antenna assembly overview

Designator	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
08K4083 Main antenna	Nissei Electric Ltd. (Japan)	Dual Band Inverted F type Antenna	Coax 394mm	2400-2500MHz 0.62 dBi (peak)
08K4084 Auxiliary antenna	Nissei Electric Ltd. (Japan)	Dual Band Inverted F type Antenna	coax 534mm	2400-2500MHz 1.28 dBi (peak)

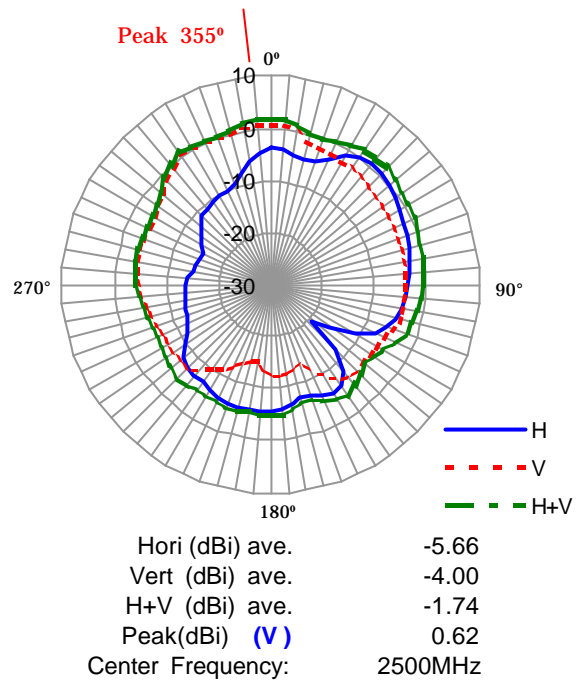
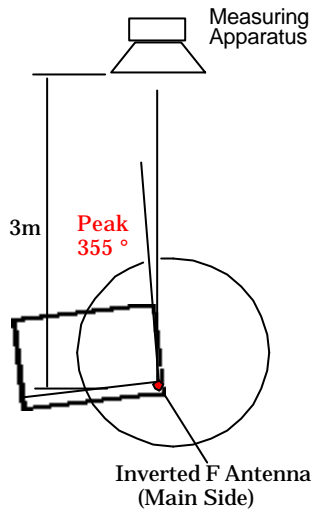
Notes:

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

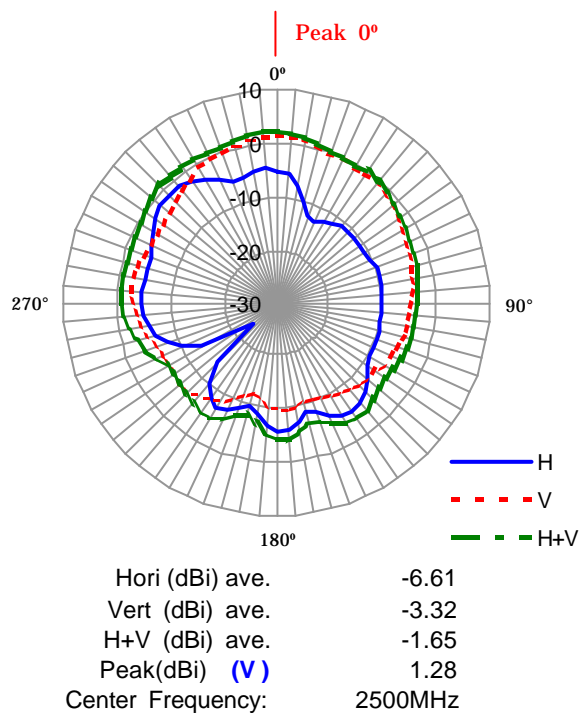
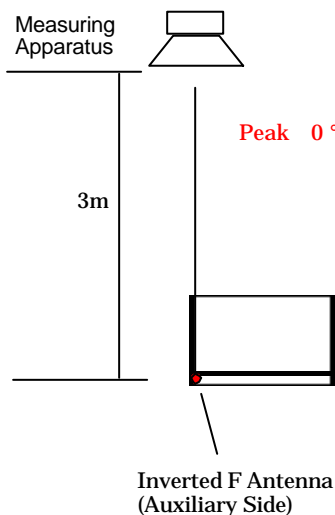
Main antenna



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

Note2) The maximum antenna gain was found around **355 degree** angle from measuring apparatus in **Vertical** polarization at the high frequency (2500MHz).

Auxiliary antenna



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

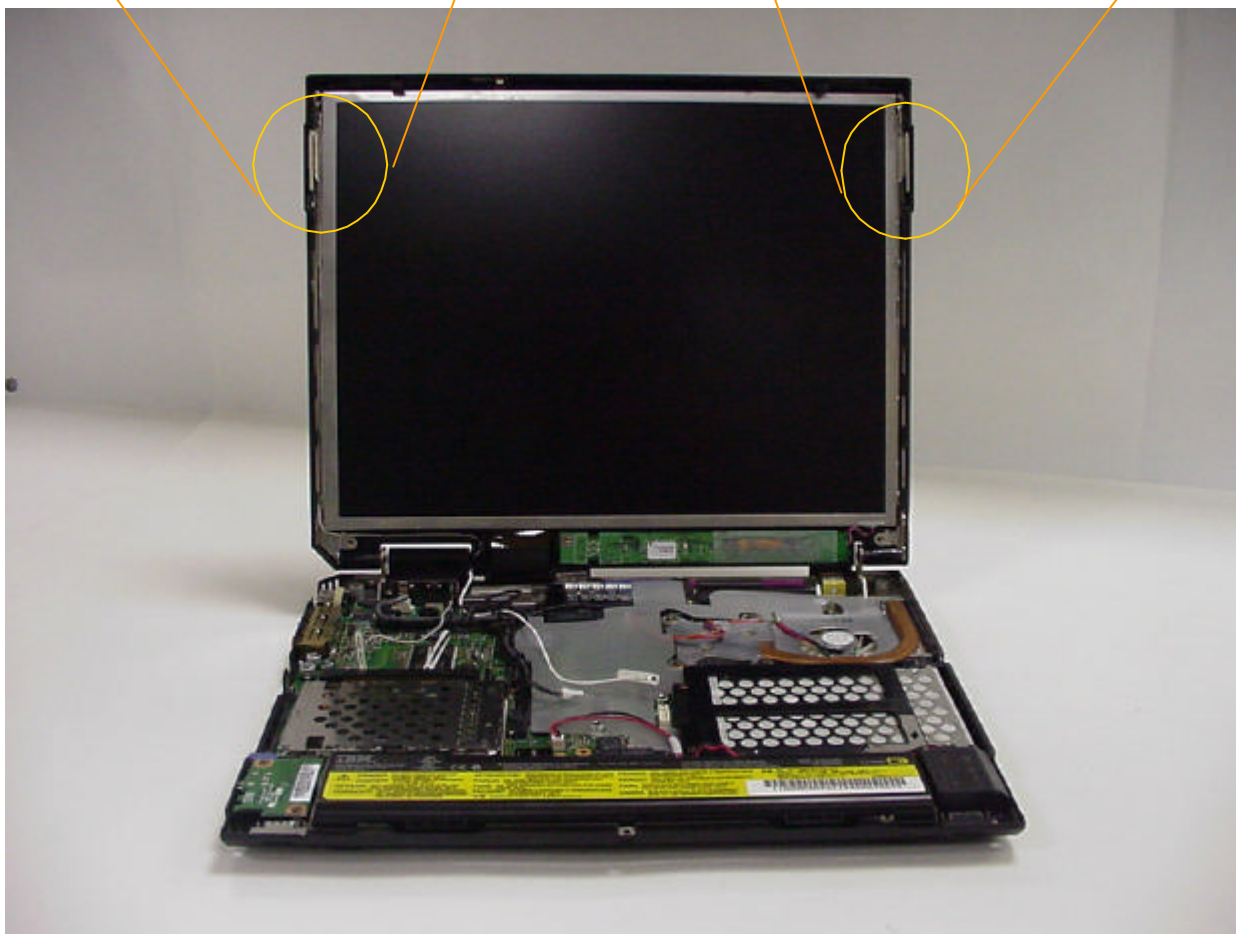
Note2) The maximum antenna gain was found around **0 degree** angle from measuring apparatus in **vertical** polarization at the high frequency (2500MHz).

3. Antenna Locations

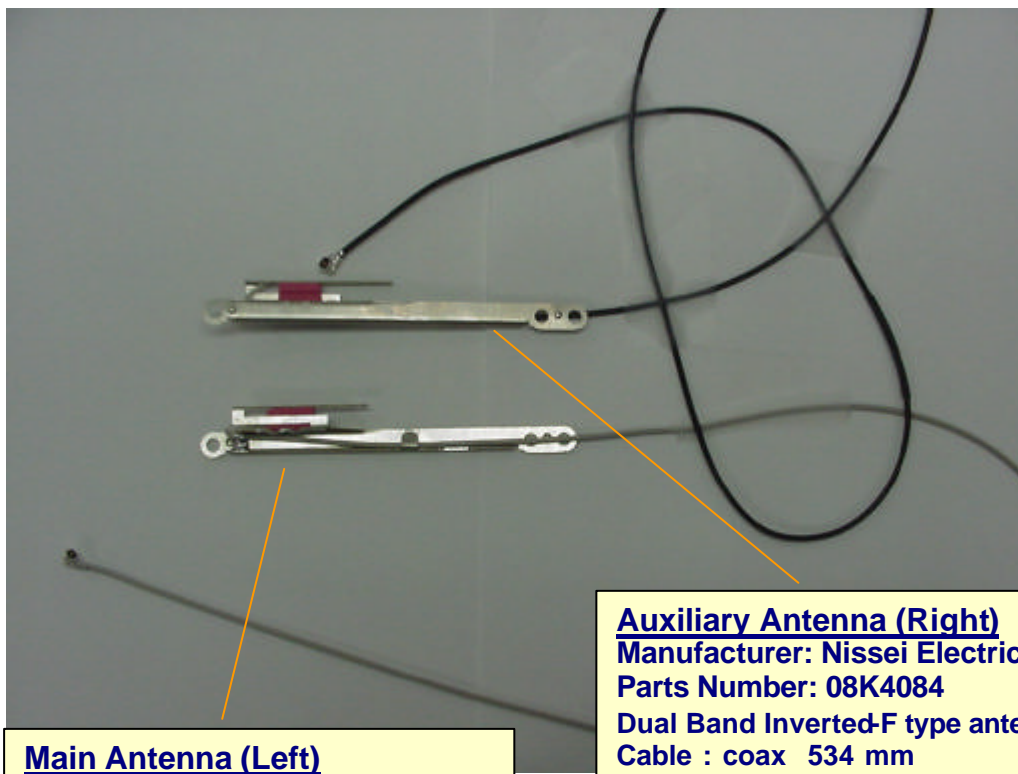
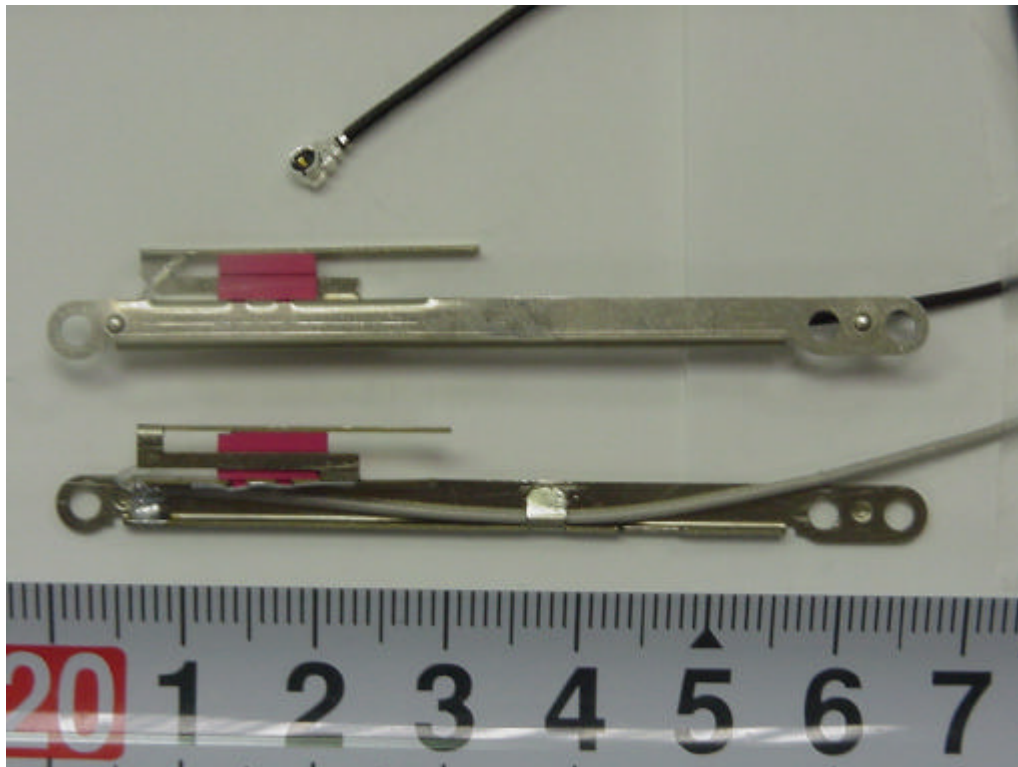
Main antenna
Dual Band Inverted-F type
P/N: 08K4083



Auxiliary antenna
Dual Band Inverted-F type
P/N: 08K4084



4. Exterior Photos of Antennas



Main Antenna (Left)
Manufacturer: Nissei Electric Ltd.
Parts Number: 08K4083
Dual Band Inverted-F type antenna
Cable : coax 394 mm

Auxiliary Antenna (Right)
Manufacturer: Nissei Electric Ltd.
Parts Number: 08K4084
Dual Band Inverted-F type antenna
Cable : coax 534 mm