

Host Unit Antenna Information

1. Antenna Specification

Transmission Antenna assembly overview

Notes:

1a. Includes all cable losses.

1b. Antenna type should be Omni Directional.

IBM ThinkPad T40 Series, LCD 14inch model

Designator (Parts Number)	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
Bluetooth antenna 62P4256 91P6901 *2	Foxconn Electronics Inc. (R.O.C.)	Meander Antenna	Coax 265 mm	1.20 dBi (peak)

*2: non-lead soldering antenna according to RoHS environmental direction.

The radiation characteristics (gain and Omni directional pattern) of both are the same.

IBM ThinkPad T40 Series, LCD 15 inch model

Designator (Parts Number)	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
Bluetooth antenna 91P6842	Nissei Electric Co., Ltd. (Japan)	Meander Antenna	coax 230mm	2.84 dBi (peak)

IBM ThinkPad R50 Series, LCD 14/15 inch model

Designator (Parts Number)	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
Bluetooth antenna 91P6817	Hitachi Cable Ltd. (Japan)	Meander Antenna	coax 265mm	2.16 dBi (peak)

IBM ThinkPad X30 Series

Designator (Parts Number)	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
Bluetooth antenna 46L4680	Nissei Electric Co., Ltd. (Japan)	Meander Antenna	coax 180mm	1.80 dBi (peak)

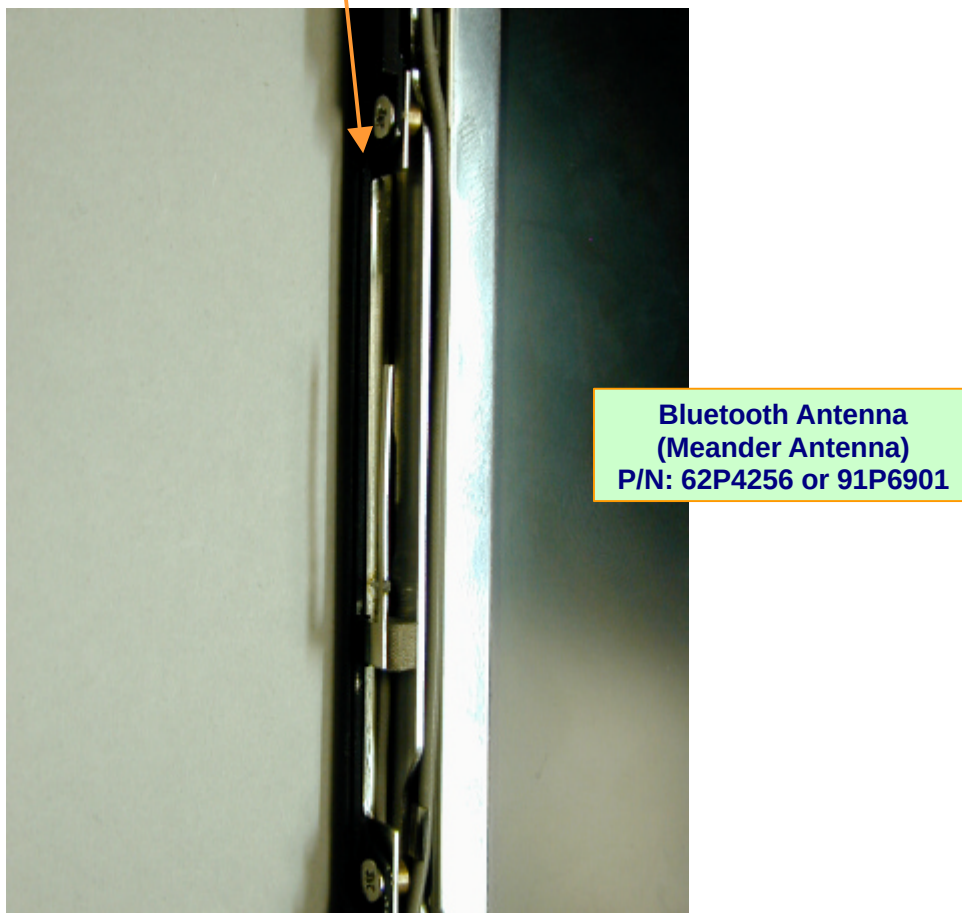
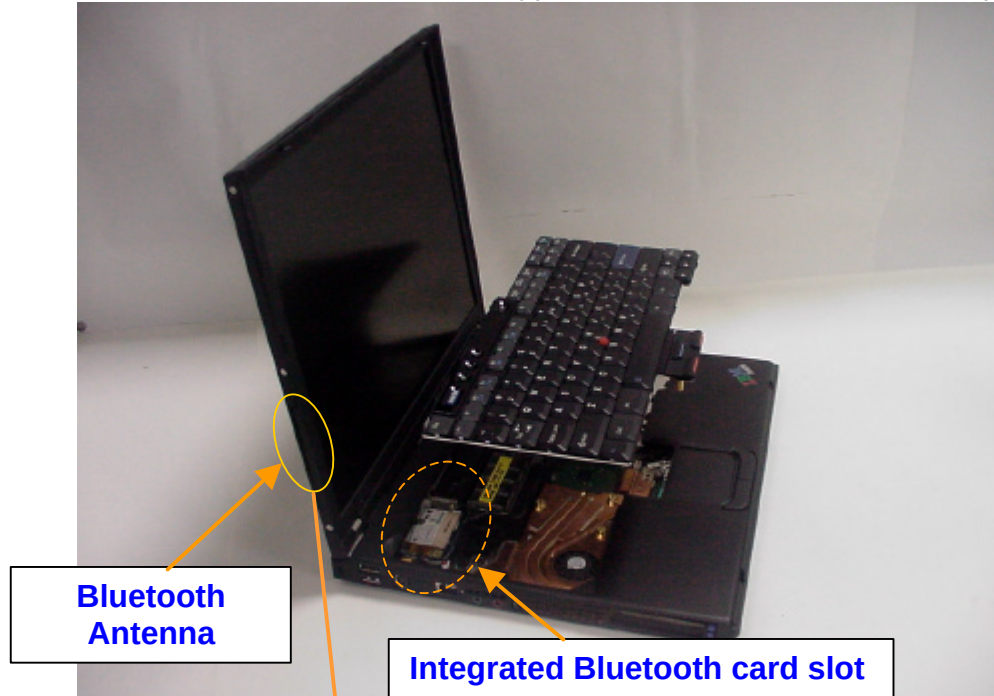
IBM ThinkPad X40 Series

Designator (Parts Number)	Manufacture	Antenna type	Cable type and length	Gain (dBi) Note 1)
Bluetooth antenna 13N5744	Nissei Electric Co., Ltd. (Japan)	Meander Antenna	coax 341mm	1.99 dBi (peak)

2. Host PC Information and antenna location

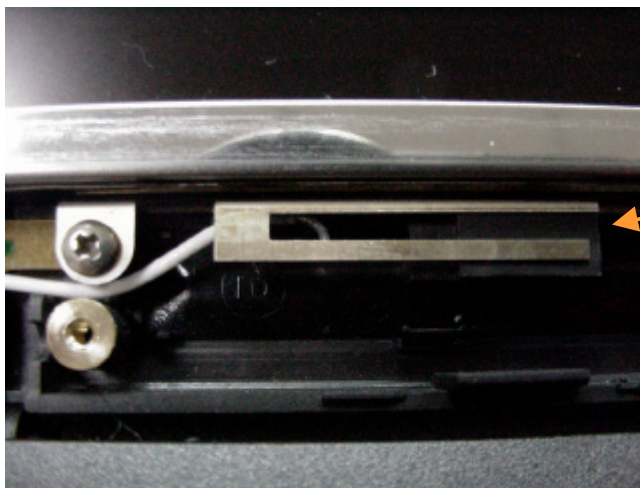
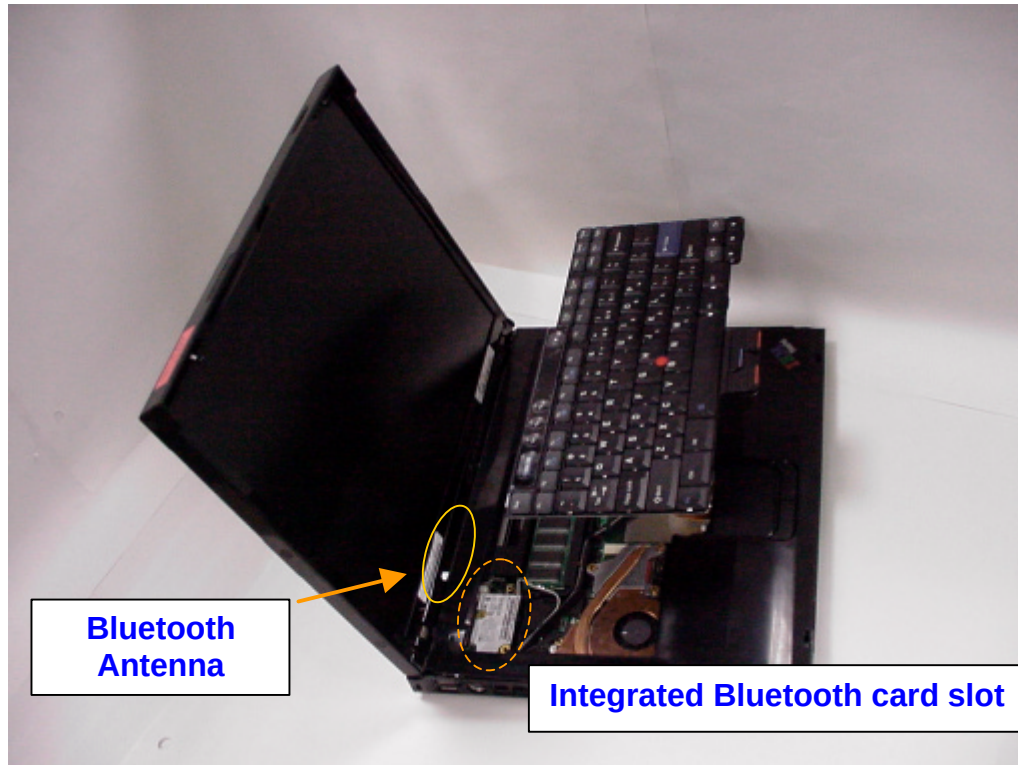
IBM ThinkPad T40 Series, LCD 14 inch model

The Bluetooth antenna, Meander type, is built in the left side of LCD panel.



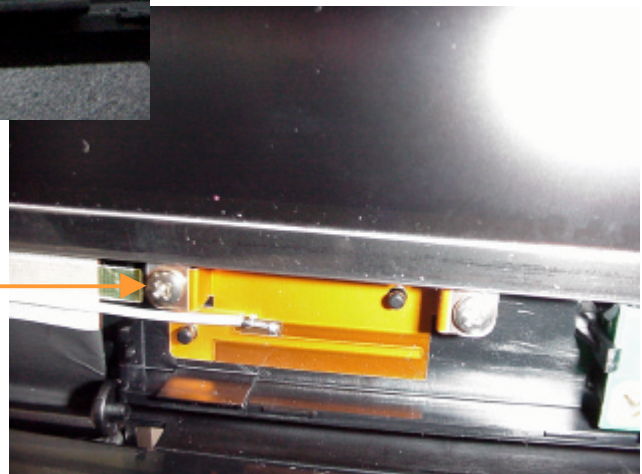
**IBM ThinkPad T40 Series, LCD 15 inch model,
IBM ThinkPad R50 Series, LCD 14 and 15 inch model**

The Bluetooth antenna, Meander type, is built in the left side hinge section of main body.



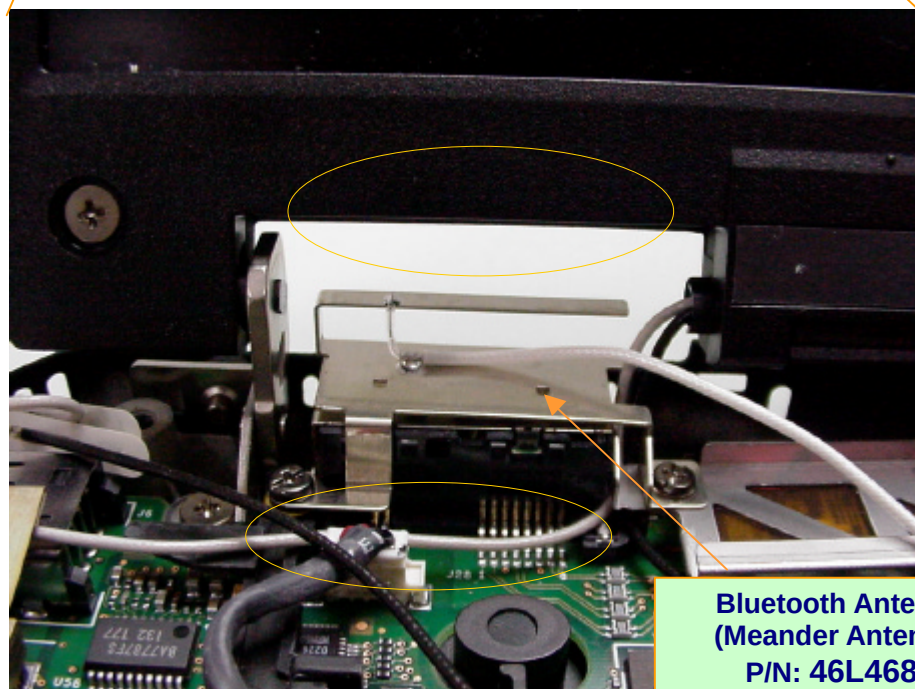
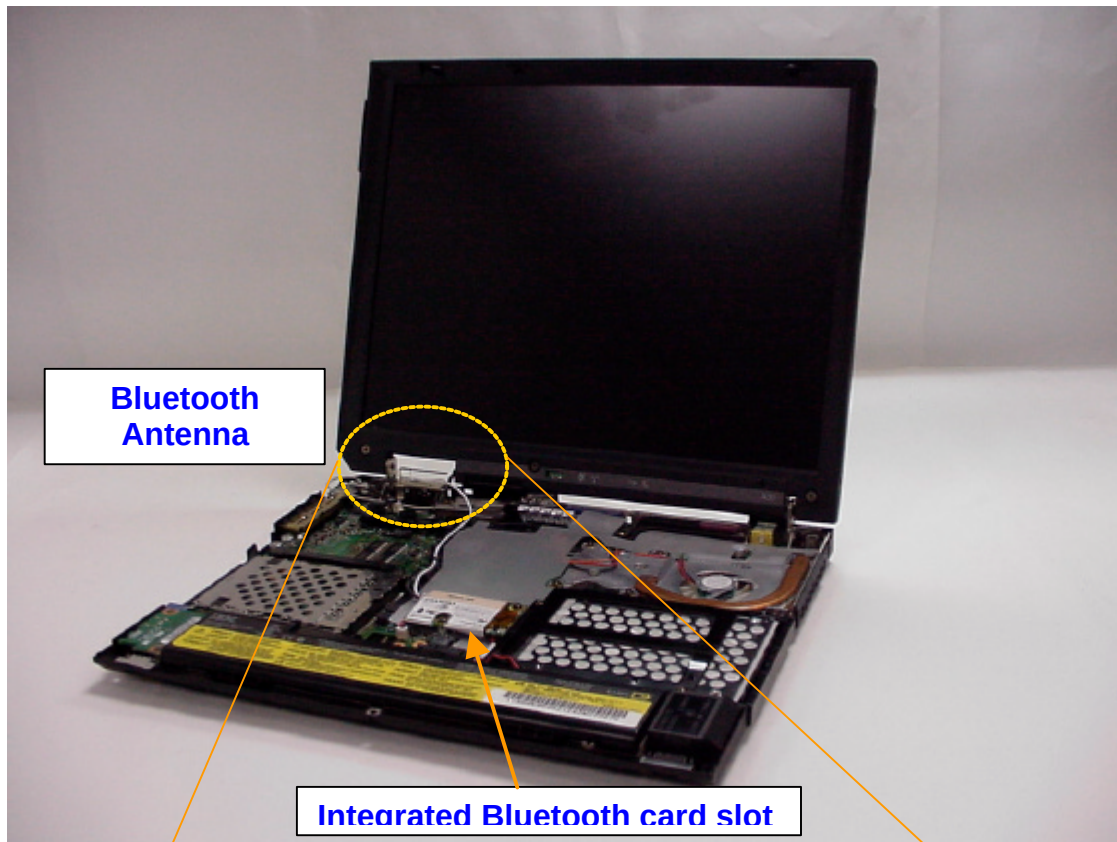
**T40 15 inch
Bluetooth Antenna
(Meander Antenna)
P/N: 91P6842**

**R50 14/15 inch
Bluetooth Antenna
(Meander Antenna)
P/N: 91P6817**



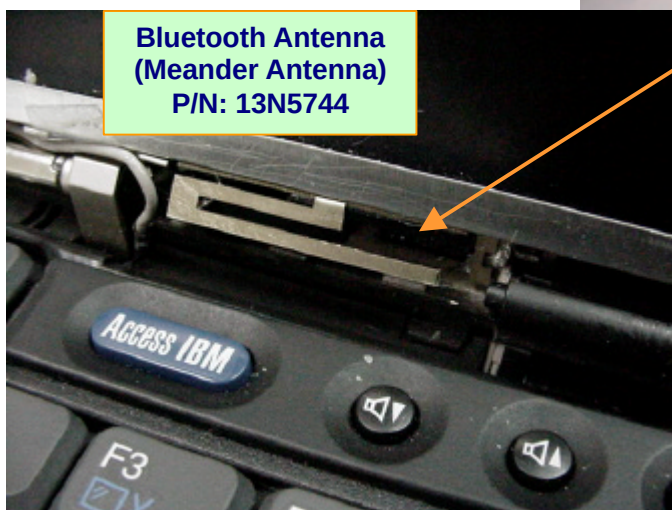
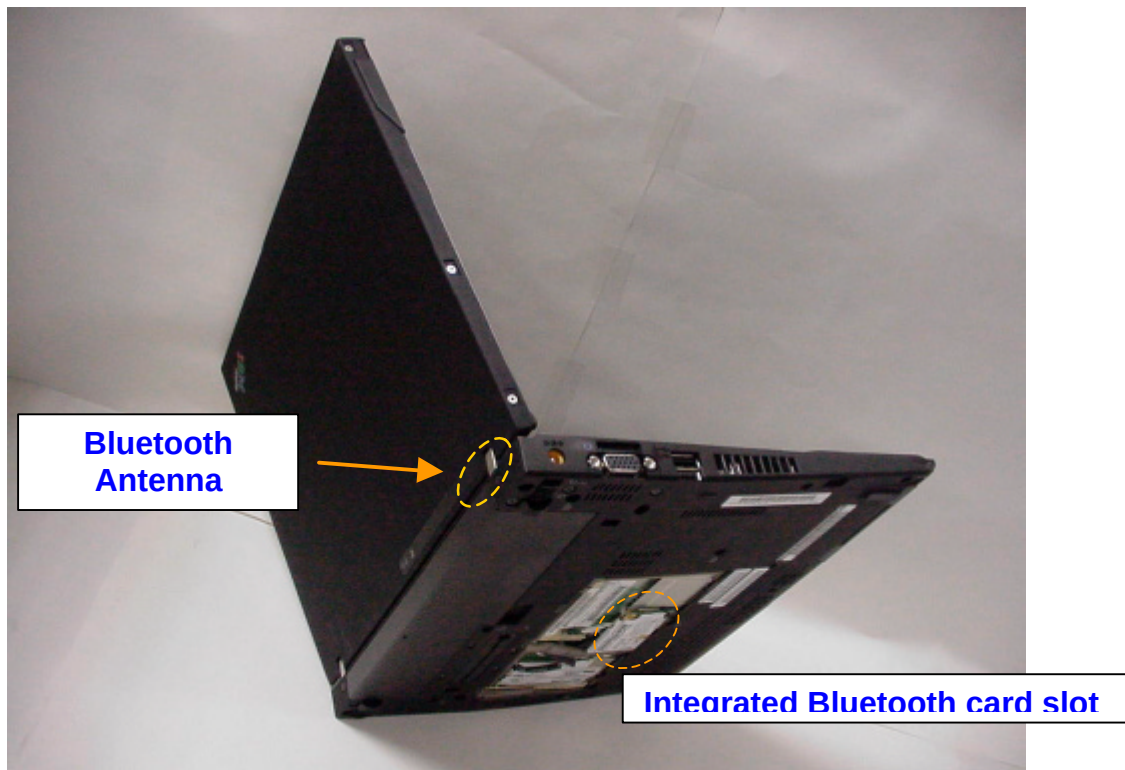
IBM ThinkPad X30 Series

The Bluetooth antenna, Meander type, is built in the left side hinge section of main body.



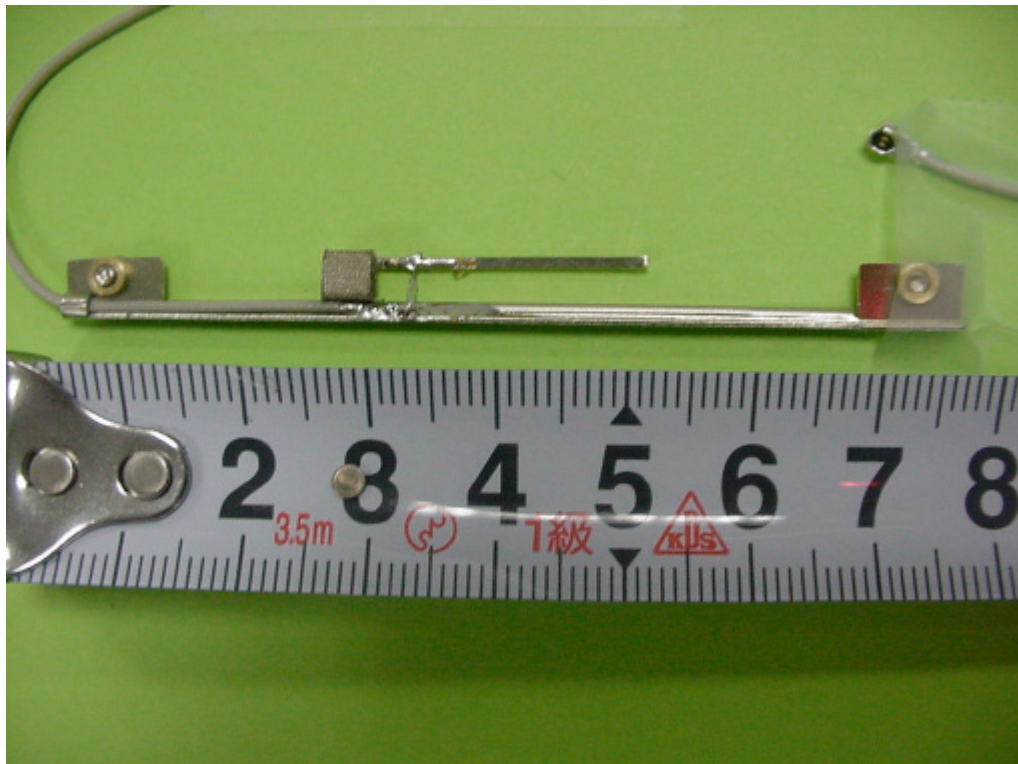
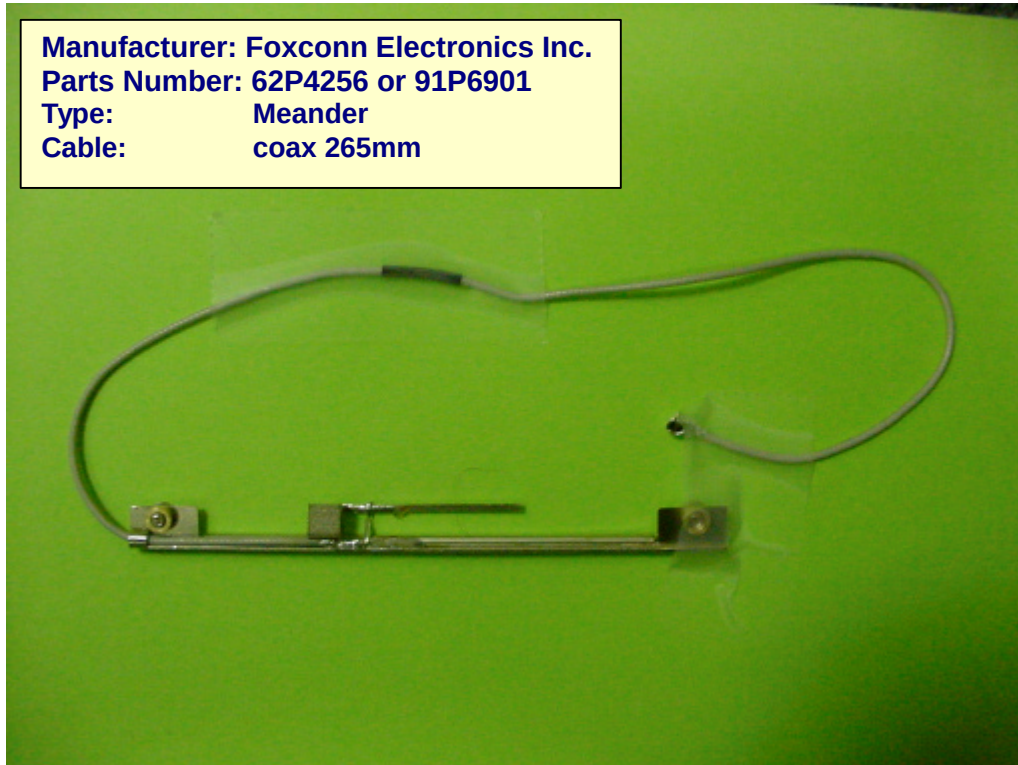
IBM ThinkPad X40 Series

The Bluetooth antenna, Meander type, is built in the left side hinge section of main body.

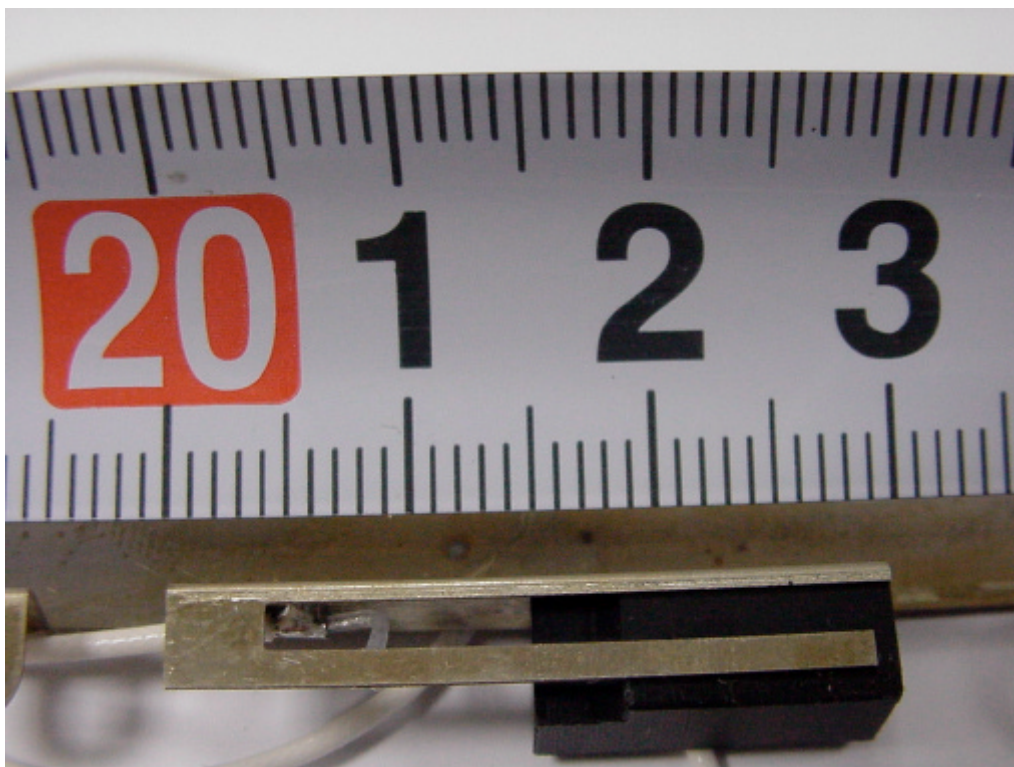
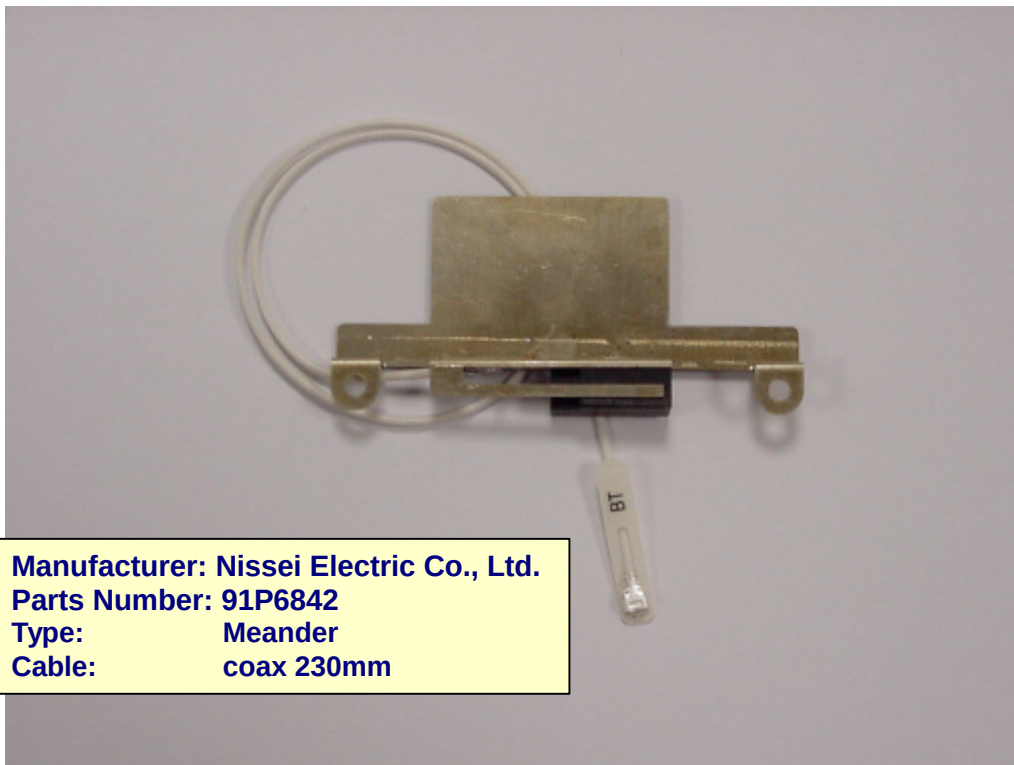


3. Exterior Photos of Antennas

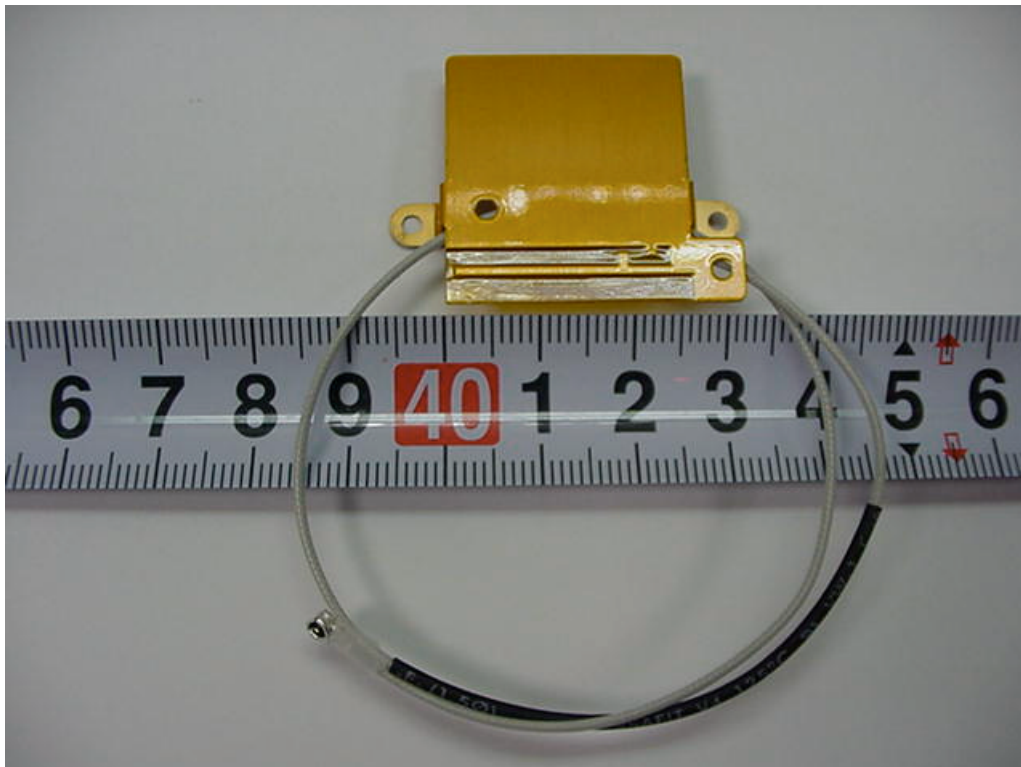
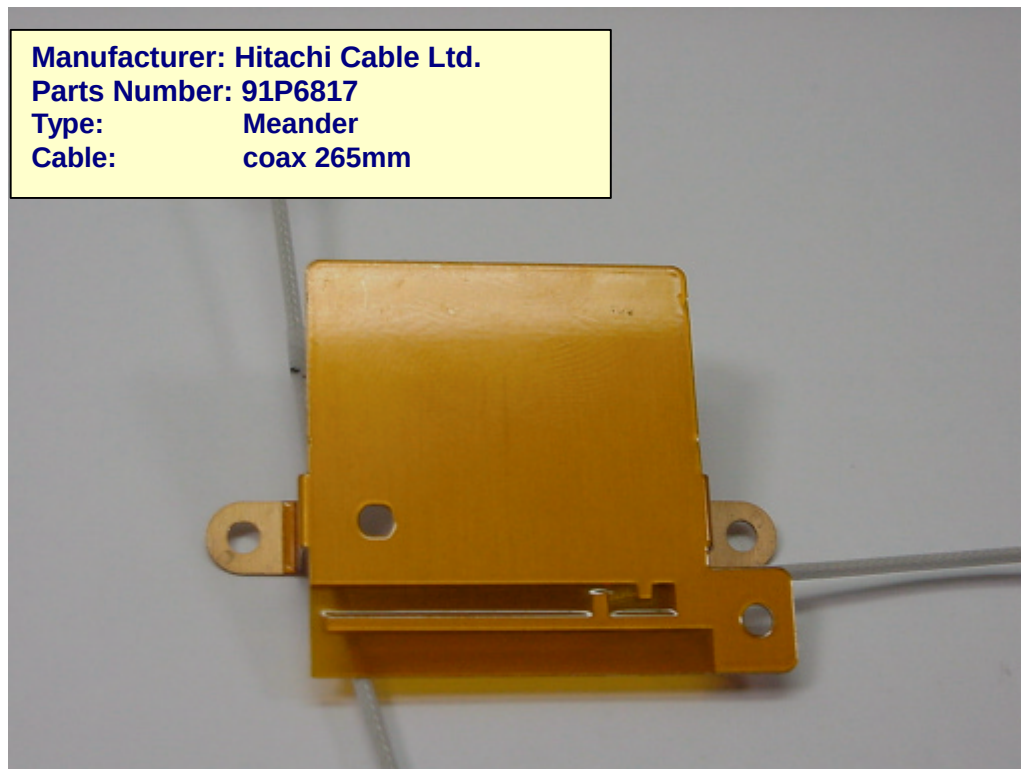
IBM ThinkPad T40 Series, LCD 14 inch model



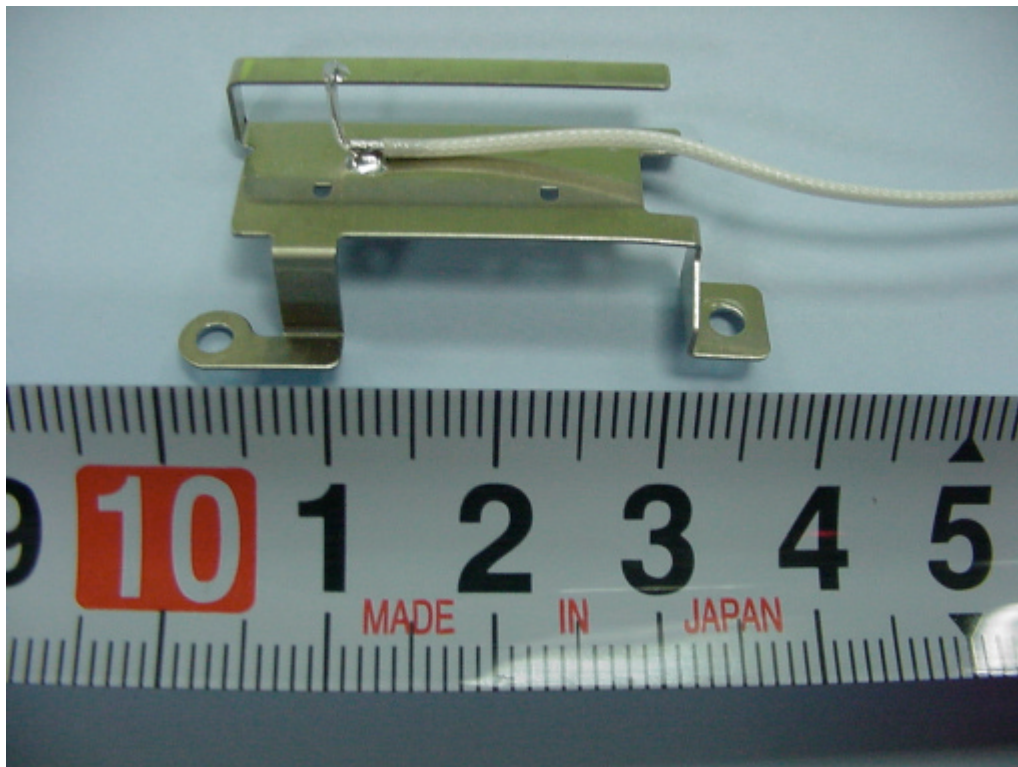
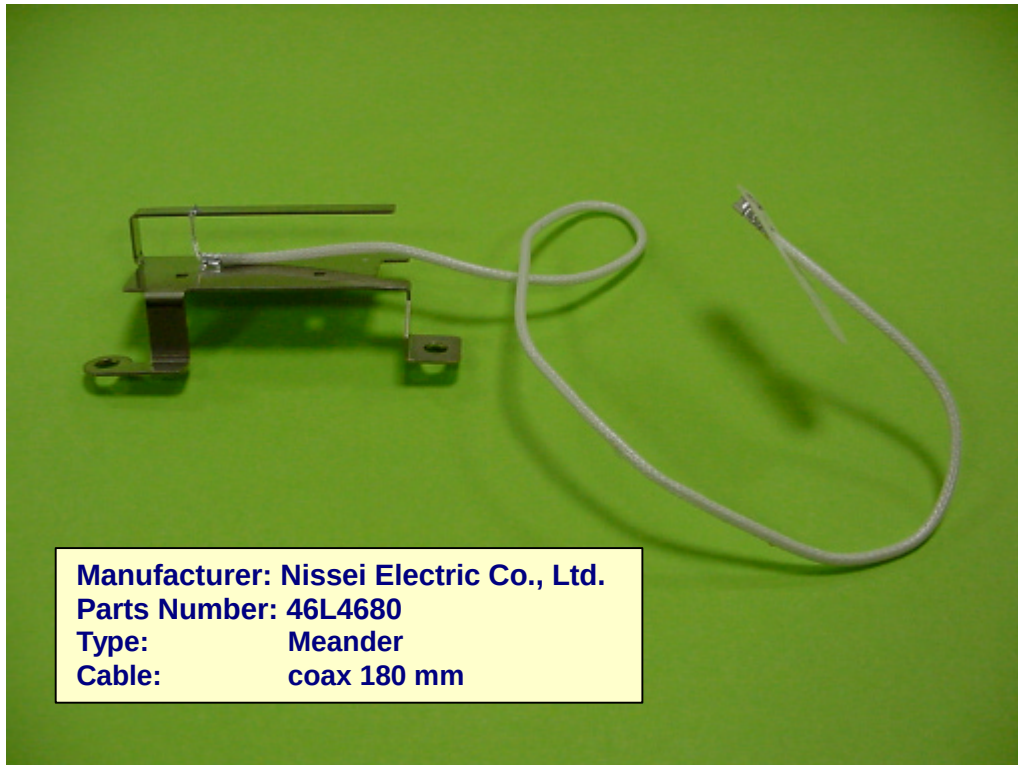
IBM ThinkPad T40 Series, LCD 15 inch model



IBM ThinkPad R50 Series, LCD 14/15 inch model



IBM ThinkPad X30 Series



IBM ThinkPad X40 Series

