

<CF-52 WLAN 512AN +BT+ UNDP-1 model photo>

1) CF-52 Top/Front View

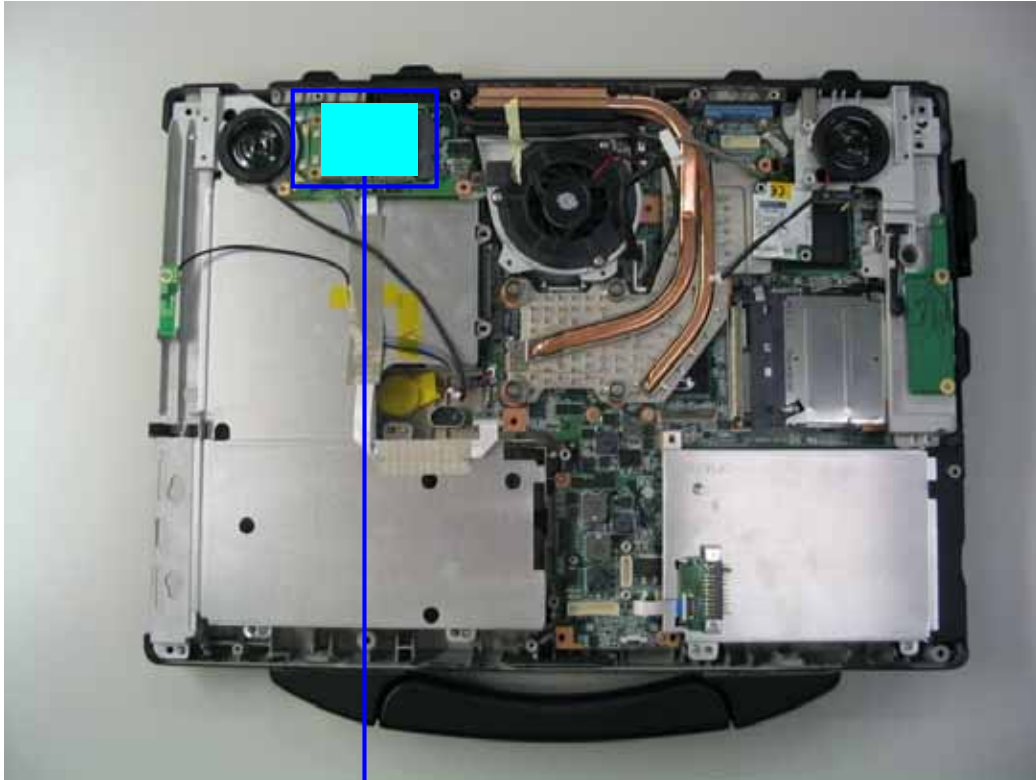


Top View



Front View

2) WWAN Module position



3) WWAN (UNDP-1) Photo



WWAN Module Top View



WWAN module Bottom View



WWAN Module Interior Top View



WWAN Module Interior Bottom View

4) WLAN Card position



WLAN module position



Magnified View

5) WLAN (512AN MMW) exterior photo



WLAN Top View

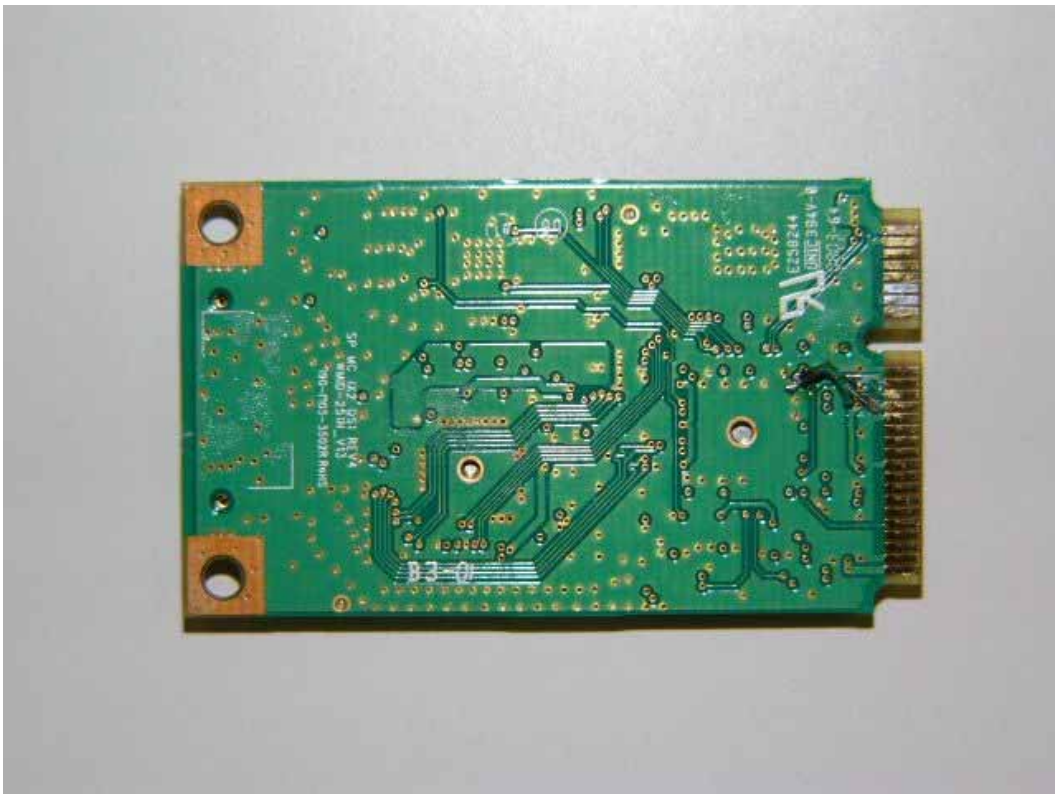


WLAN Bottom View

6) WLAN (512AN MMW) interior photo

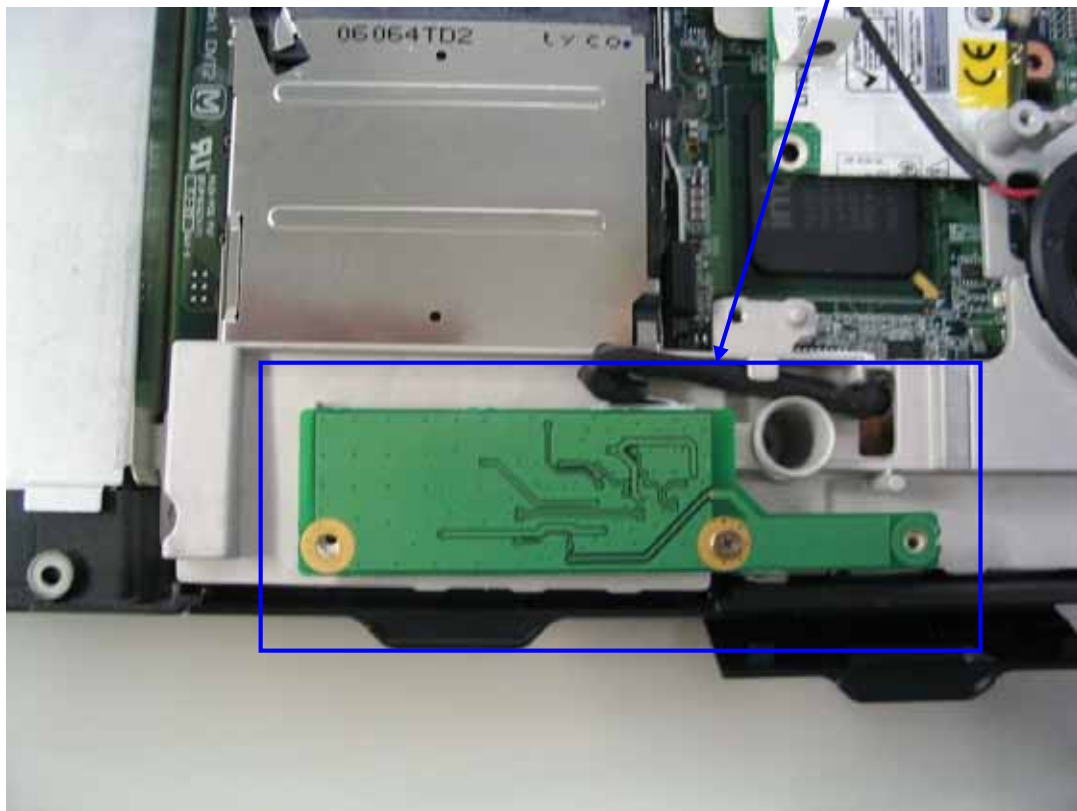
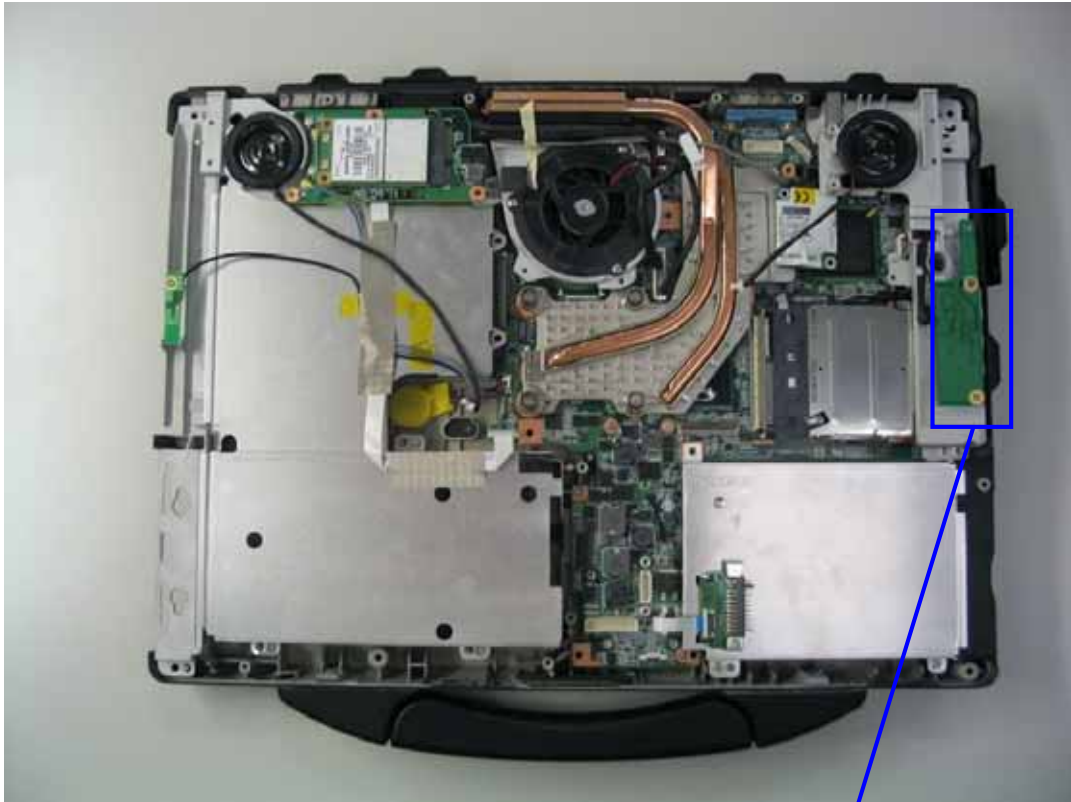


WLAN inside Top View



WLAN inside Bottom View

7) Bluetooth Card Position

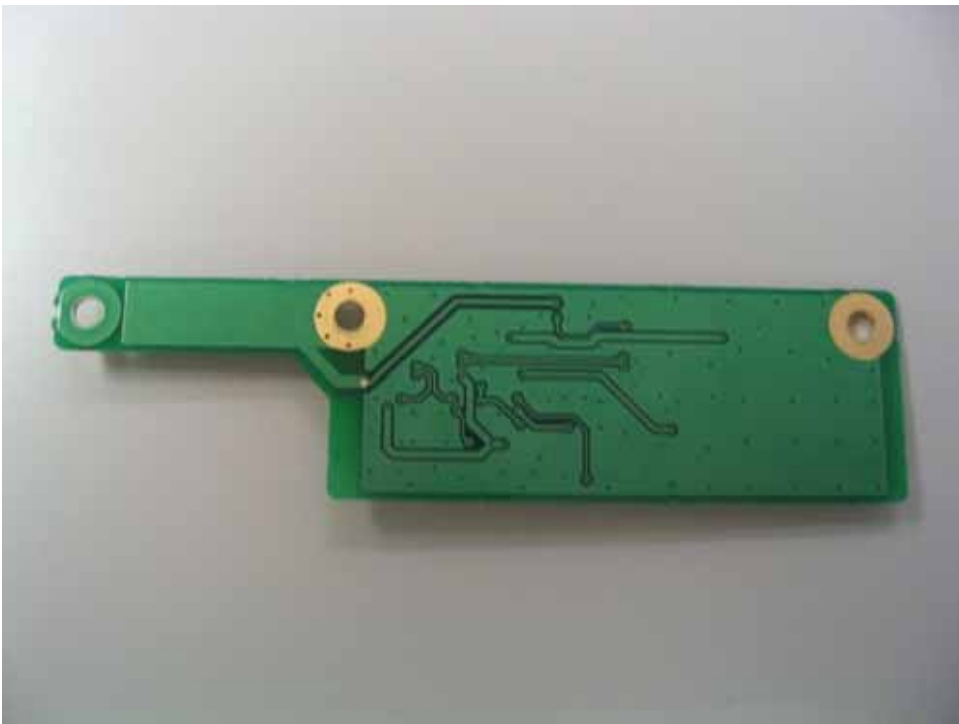


Bluetooth Card Magnified View (Main PWB removed)

8) Bluetooth Card exterior photo

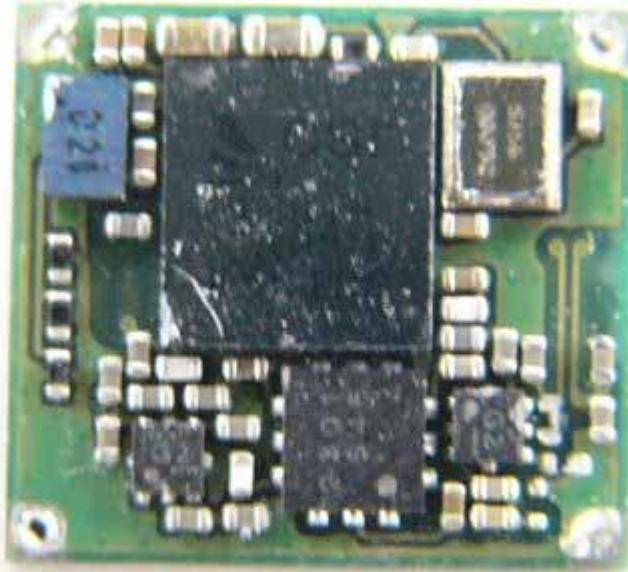


Bluetooth Card Top View

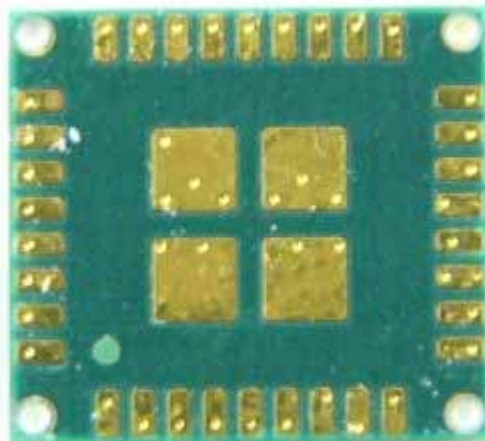


Bluetooth Card Bottom View

9) Bluetooth (UGNZA) Module interior photo



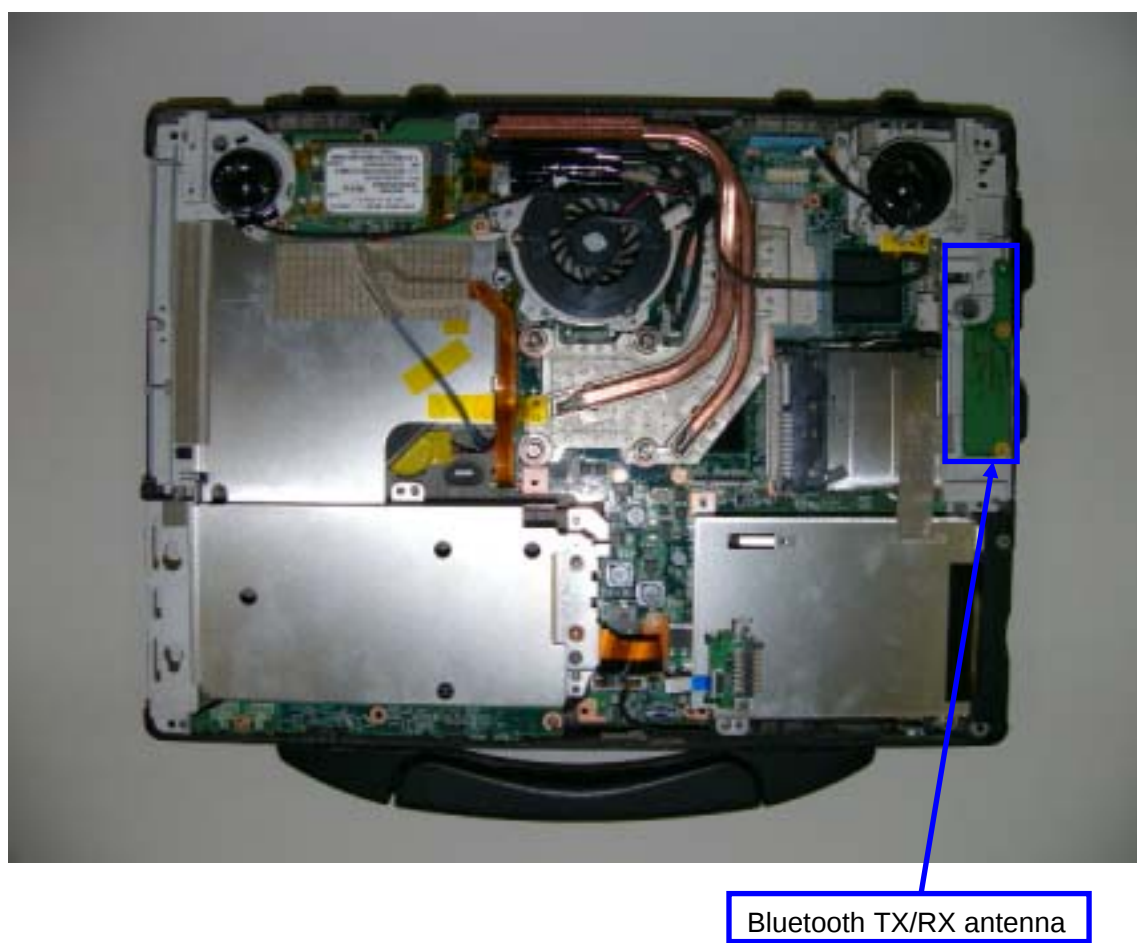
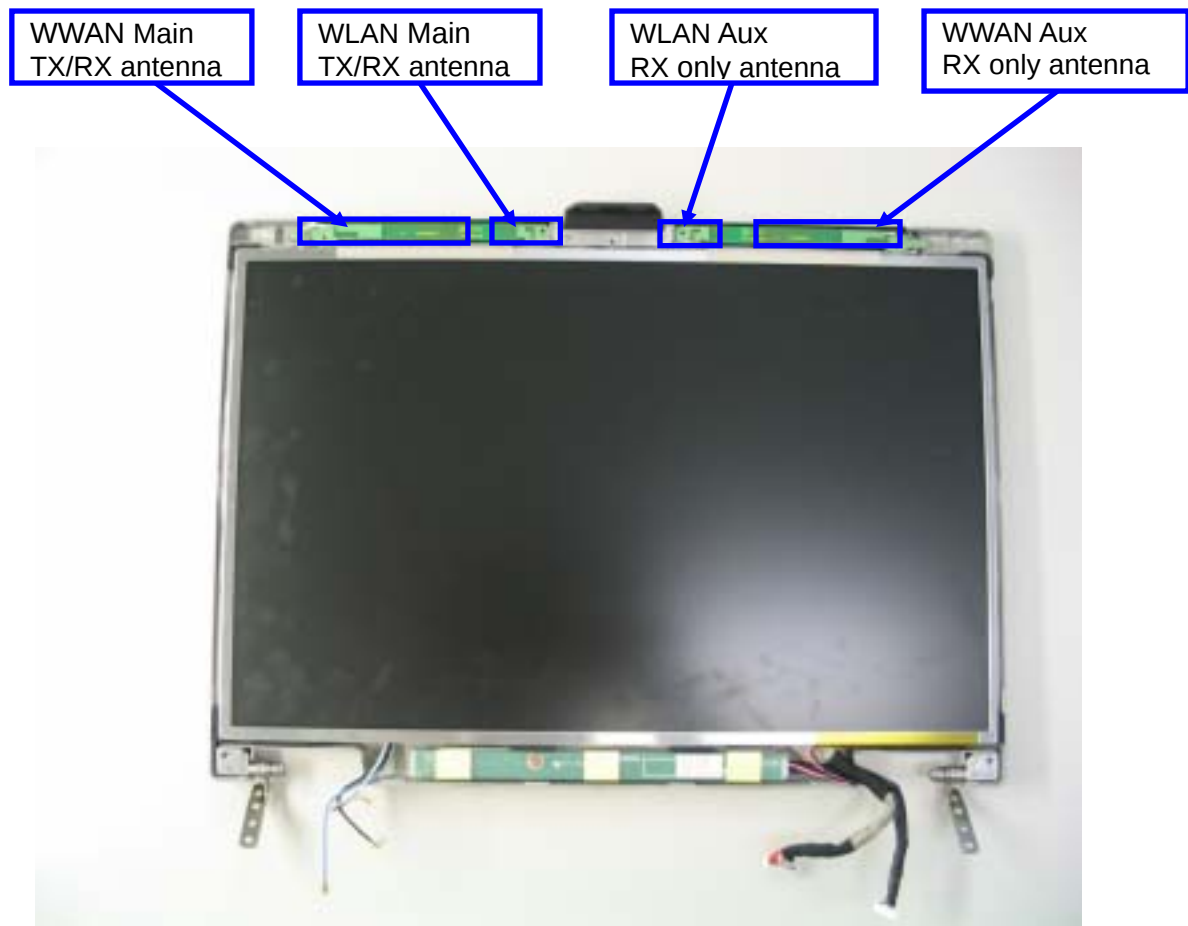
Bluetooth Module inside Top View



Bluetooth Module inside Bottom View

10) Antenna position (WWAN, WLAN & Bluetooth)

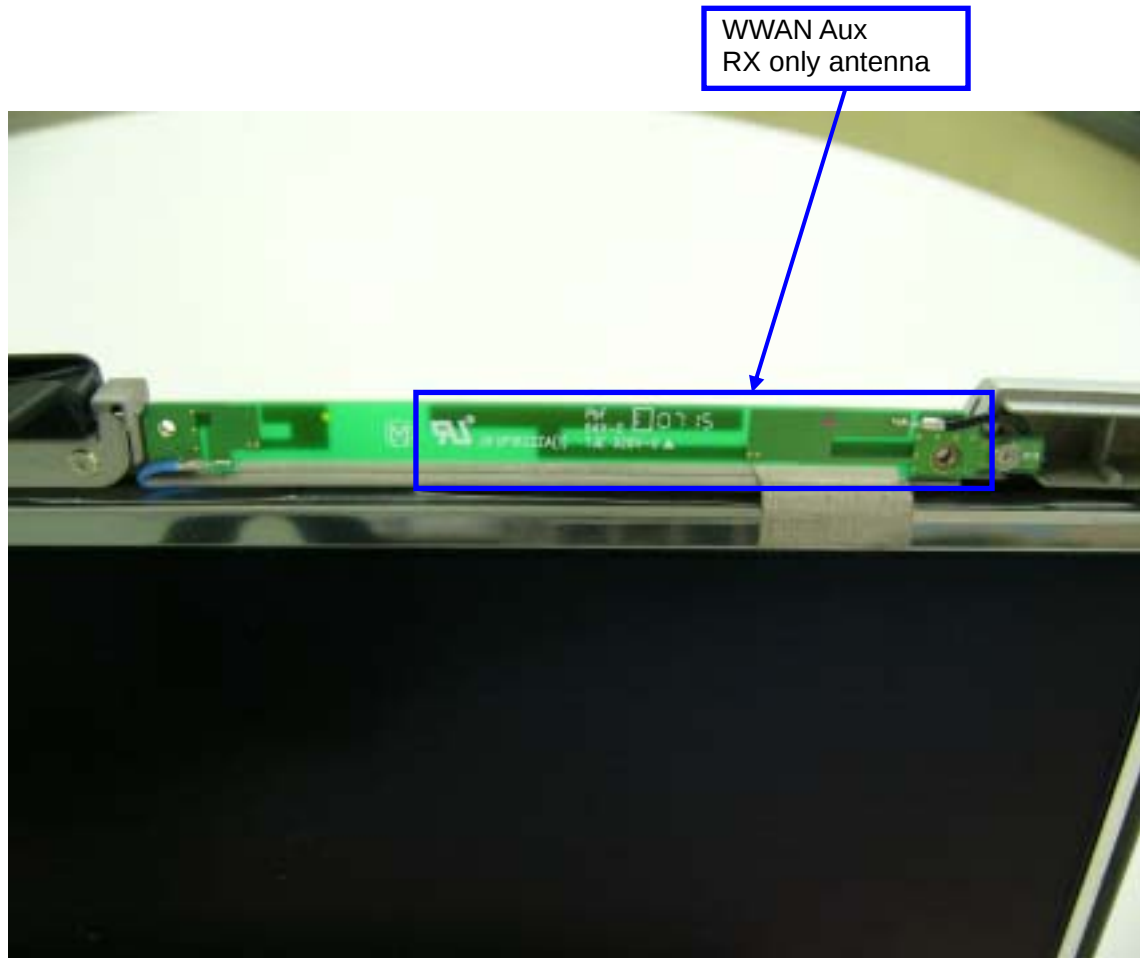




11) WWAN antenna photo

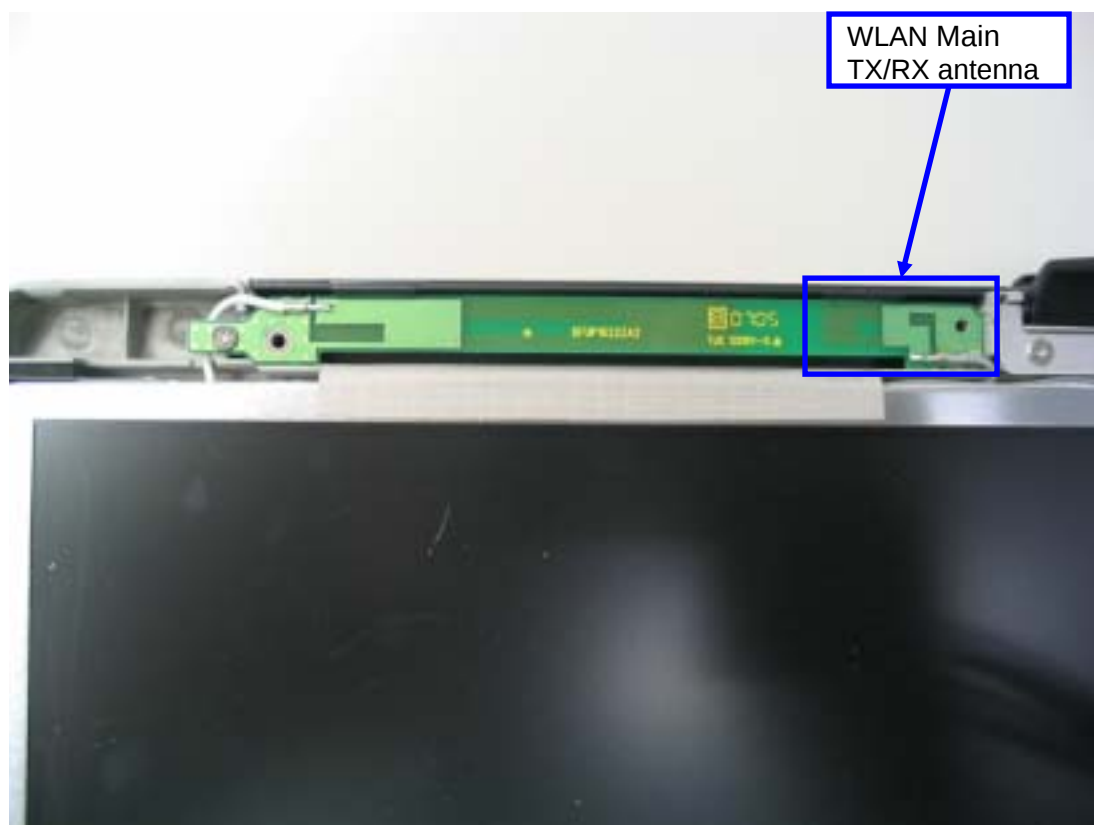


WWAN Main TX/RX Antenna

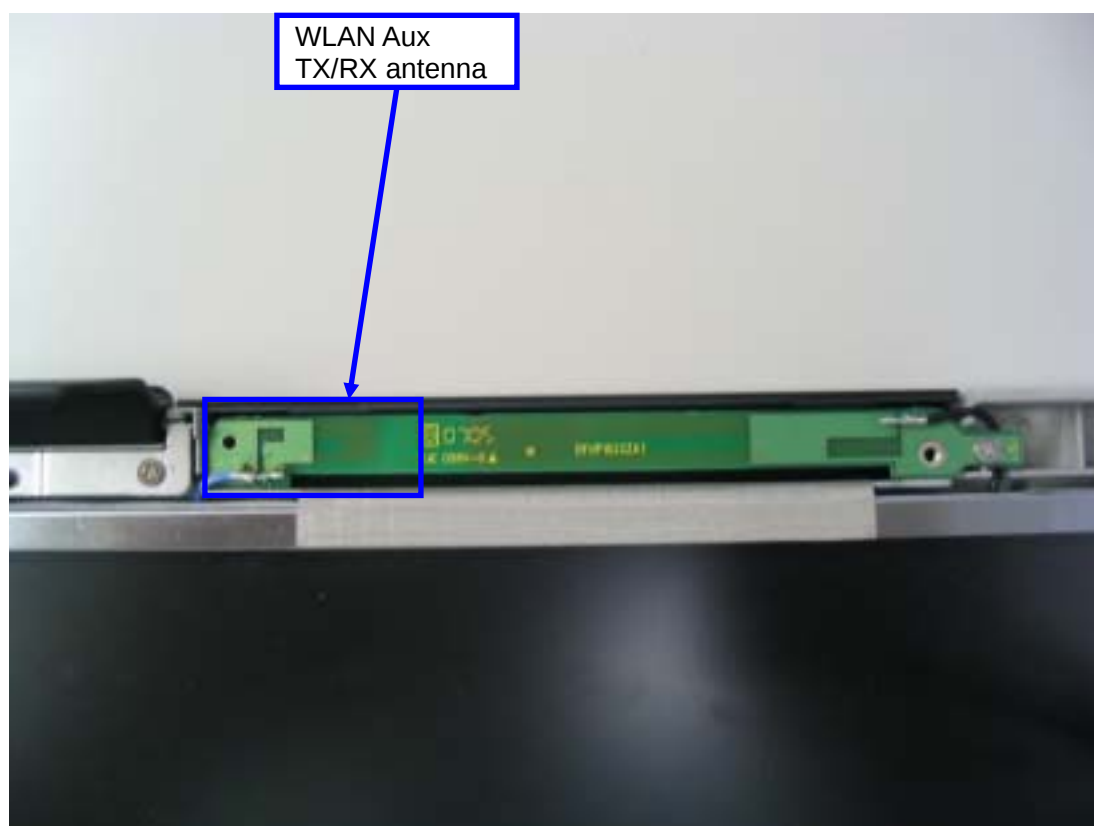


WWAN AUX RX only Antenna

12) WLAN antenna Photo

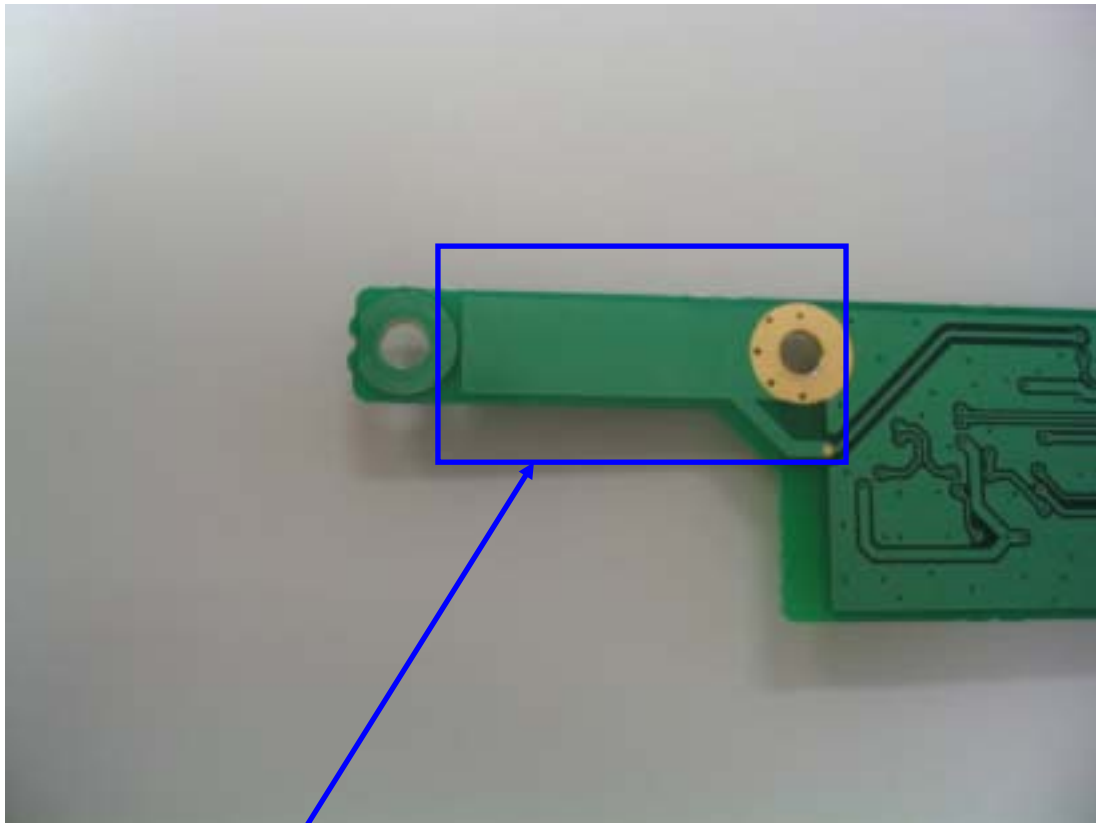


WLAN Main antenna magnified view



WLAN Aux antenna magnified view

13) Bluetooth antenna Photo



Bluetooth TX/RX antenna

Bluetooth Antenna Magnified View

14) Antenna Specification

WLAN Main Antenna:	Inverted F type: 0.36dBi max (2.4GHz)
WLAN Main Antenna:	Inverted F type: 2.08dBi max (5GHz)
WLAN Aux Antenna:	Inverted F type (RX only Antenna)
Bluetooth Antenna:	Inverted F type: 3.69dBi max
WWAN Main Antenna:	Inverted F type: 2.19dBi max
WWAN Aux Antenna:	Inverted F type (RX only Antenna)