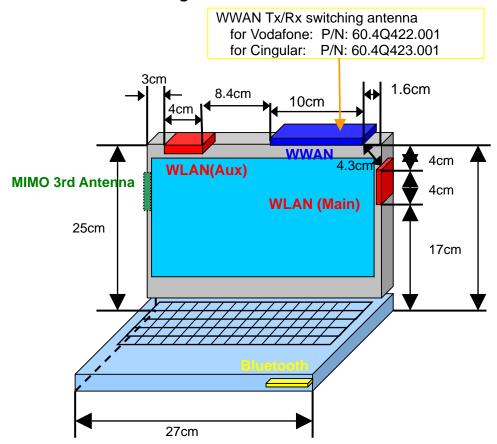
RF Exposure Evaluation

in co-locating with other transmitters

1. Configuration

The applying host device has the following configuration for the wireless communication features, and it incorporates the three kinds of transmitters. i.e. WWAN, WLAN and Bluetooth.

Figure-1: Host device configulation



The WWAN Tx/Rx antenna and a WLAN antenna are co-located with 43mm of separation distance. However both transmitter modules do not establish the network link connections simultaneously, but switch the operation each other within 11 seconds of hand over time when one is in active. (See page 2 in this exhibit.)

So the SAR testing for the applying WWAN transmitter does not require any evaluation for colocation with WLAN devices.

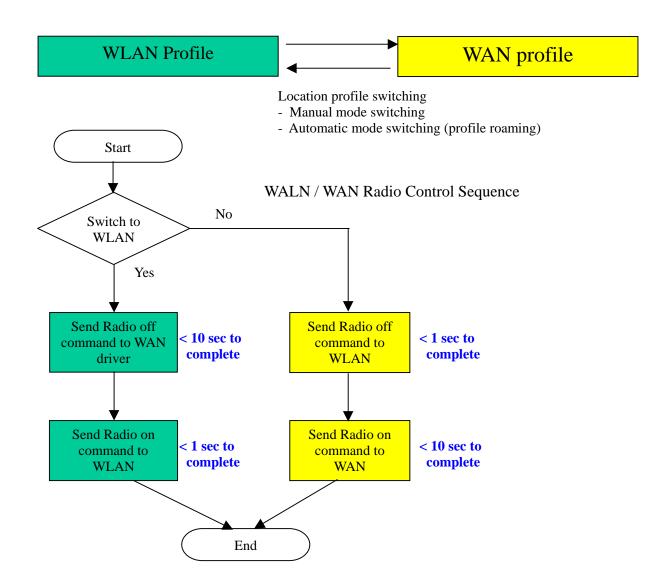
In the other hand, the separation distance between WWAN Tx/Rx antenna and Bluetooth antenna is 84mm (See Figure-3 in page 5), and both transmitters operate simultaneously. Therefore those transmitters are regarded as co-located devices, and then the SAR testing is required to be performed with the co-locating WWAN and Bluetooth devices in active.

The separate SAR report includes the measurement results performed with the applying transmitter (FCC ID: N7NMC8775-L) and the co-located Bluetooth transmitter (FCC ID: MCLJ07H081) in active and transmitting simultaneously.

2. Wireless LAN /WAN switching scheme within 11 seconds of handover time

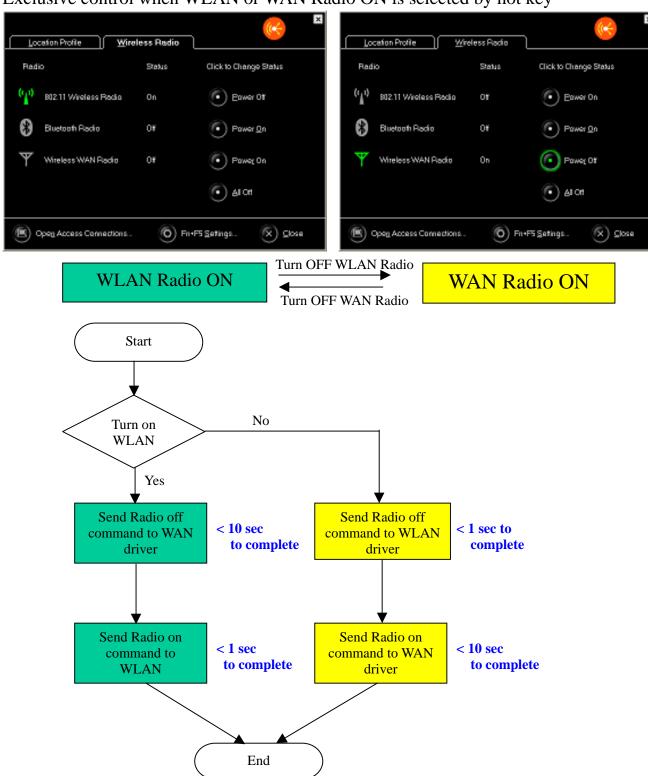
Location profile switching scenario

- Exclusive control for WLAN and WAN when WLAN and WAN location profile is applied by user (manual mode switching)
- Exclusive control when automatic location switching is performed by Access Connections (automatic profile roaming)



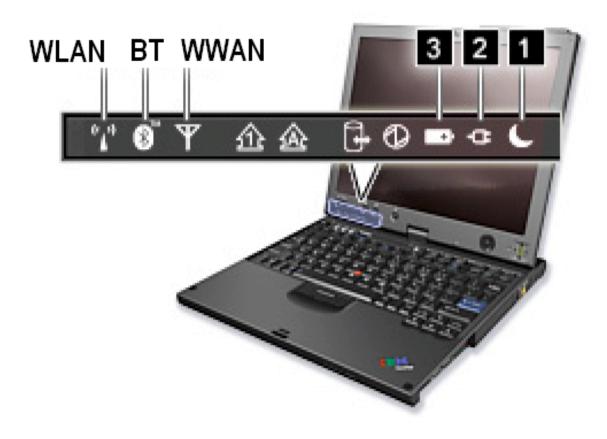
Radio control by software menu (Fn+F5 hot key)

Exclusive control when WLAN or WAN Radio ON is selected by hot key



Wireless WAN/LAN status indication

The sifting status from WAN(LAN) to LAN(WAN) is also indicated with the following LED. The switching time is actually shorter than 11 seconds of logical control limit time.



3. Justification for SAR testing

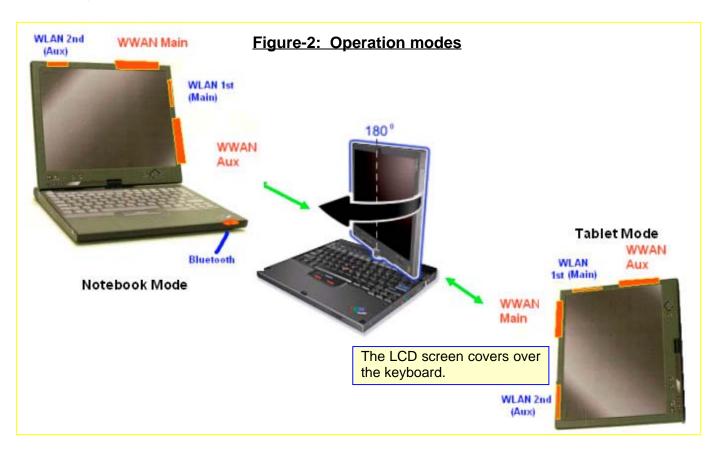
The subjected host device is a tablet type PC, and the transmission antennas are very close to the human body. Therefore the applying modular transmitter and the antenna system is classified as a Potable device pursuant to FCC CFR 47 Section 2.1093.

The WWAN and WLAN modules do not establish the network link connections simultaneously, but switch to the other within 11 seconds of handover time when one is in active. So each independent SAR testing for WLAN or WWAN module is available for RF exposure evaluation.

The separate SAR test report was measured for the applying modular transmitter (**FCC ID: N7NMC8775-L**). Then the applying device has found to comply with the SAR limits.

The SAR testing was performed with the co-located Bluetooth (FCC ID: MCLJ07H081) in active and transmitting simultaneously.

The SAR test was performed with the following configuration, and the same terms of each configuration are referred in the SAR test report.



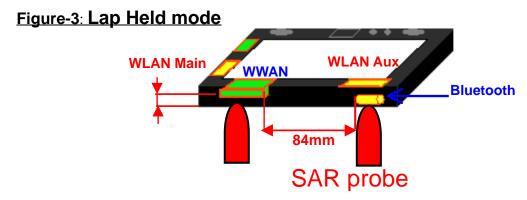




Figure-4: Tablet PL (Primary Landscape)



Figure-5: Tablet PP (Primary Portrait)

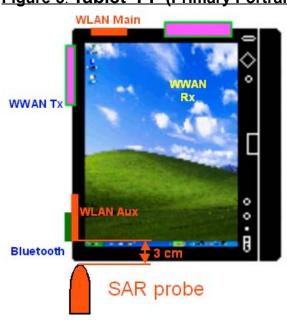
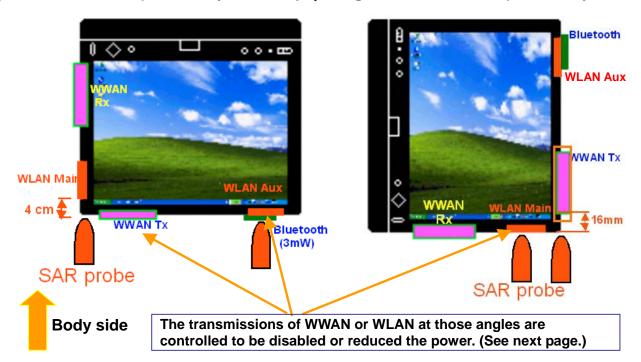


Figure-6: Tablet SL (Secondary Landscape) Figure-7: Tablet SP (Secondary Portrait)



[Transmission control in "Tablet" operation mode]

• The system recognizes mechanically that it is transformed from "Notebook mode" to "Tablet mode".



- The screen angle of **Tablet mode** is determined by operators with the screen rotation switch shown below, then the system recognizes which screen mode in **PL**, **PP**, **SL** or **SP** is selected.
- When the SL screen mode was selected, the system performs transmission control according to the kind of each wireless card. When the applying card (FCC ID: N7NMC8775-L) was active, the system does not function with SL mode for any WWAN module and returns to PL mode automatically so that operator won't use the SL mode.
- When the SP screen mode was selected, the system also performs transmission control according
 to the kind of each wireless card. But, the system does not require any transmission control for the
 applying WWAN card in SP mode since the body contacted WWAN antenna is receiving only.

