RF Exposure Evaluation

in co-locating with other transmitters

1. Configuration

The host PC device (DL-Note) has the following two types of configurations for the wireless communication features. The Figure-1 is designed for US and Canada, and the Figure-2 is for US only.

The applying modular transmitter device (FCC ID: PPD-AR5BXB6) was previously certified by the Commission on November/07/2006 with the same configuration in this application.

The difference from the previous grant condition is:

to enable the simultaneous transmission with the WWAN modular transmitters listed below.

The co-location with the Bluetooth module remains the same.

Figure-1: Dual transmitters model of DL-Note (Canada and US)

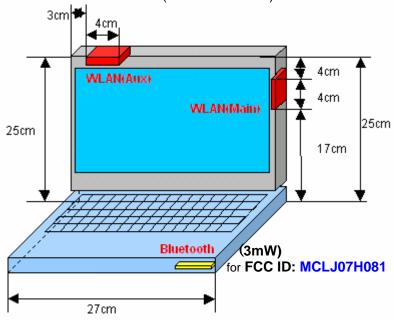
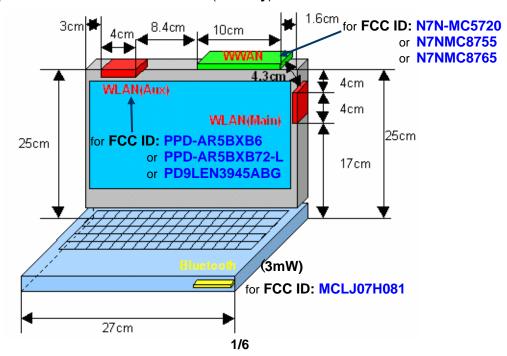


Figure-2: Triple transmitters model of DL-Note (US only)



2. 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 LMA transmitter and the antenna system is categorized as a Potable device pursuant to FCC CFR 47 Section 2.1093.

The separate SAR test report (document number: 06LR020SAR-F) was measured for the applying modular transmitter (FCC ID: PPD-AR5BXB6) with the co-located Bluetooth (FCC ID: MCLJ07H081) and each WWAN modular transmitter in active and transmitting simultaneously. Also the co-located WWAN modules were examined the SAR independently and granted by the Commotion for the subjected Tablet PC on October/31/2006. The document numbers of SAR test reports for these WWAN transmitters referred in this exhibit are 06U10630-3B, 06U10631-3B and 06U10632-4B.

Hereafter, the calculation of grid-summed SAR result for WLAN and each WWAN SAR testing is used for the RF exposure evaluation.

3. Conclusion

The maximum grid-summed SAR results for the WLAN and WWAN modules are as follows, then the applying device (FCC ID: PPD-AR5BXB6) has found to comply with the limits for the SAR compliance according to FCC CFR 47 section 2.1093, Portable devices.

WLAN 2.4GHz DTS band with Bluetooth and WWAN	0.990 mW/g
WLAN 5.2GHz U-NII band with Bluetooth and WWAN	1.107 mW/g
WLAN 5.8GHz DTS band with Bluetooth and WWAN	0.796 mW/g

4. Summary of grid-summed SAR result

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

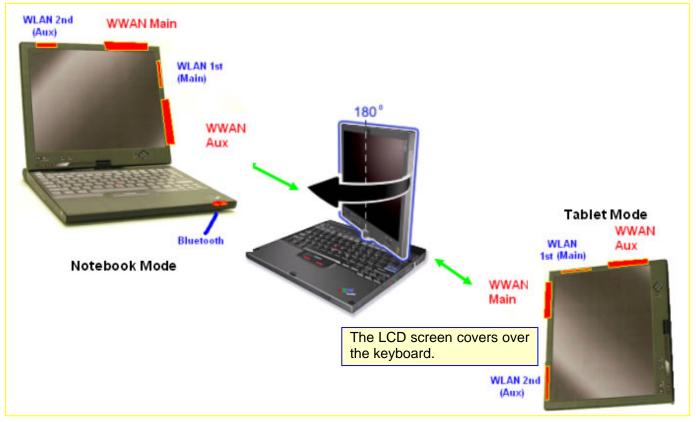




Table-1 Grid-summed SAR result of Laptop mode

[Unit of results: mW/g] PPD-AR5BXB6 Sum of SAR at SAR at WLAN + N7N-MC5720 N7NMC8755 N7NMC8765 + each WWAN position A position B WWAN + MCLJ07H081 *1 SAR Test Report No. 06LR020SAR-F 06U10632-4B 06U10630-3B 06U10631-3B EVDO-22H 2.4G 0.081 0.554 N/A N/A 0.990 (DTS) EVDO-24E 0.436 GRPS-22H 0.122 0.142 EGRPS-22H 0.041 0.035 Laptop 5.2G 0.671 N/A 1.107 (Lap-Held) (U-NII) GRPS-24E 0.194 0.277 EGRPS-24E 0.068 0.137 WCDMA-22H 5.8G 0.055 0.360 N/A N/A 0.796 (DTS) WCDMA-24E 0.358

*1: SAR result of WLAN + the highest SAR result of WWAN



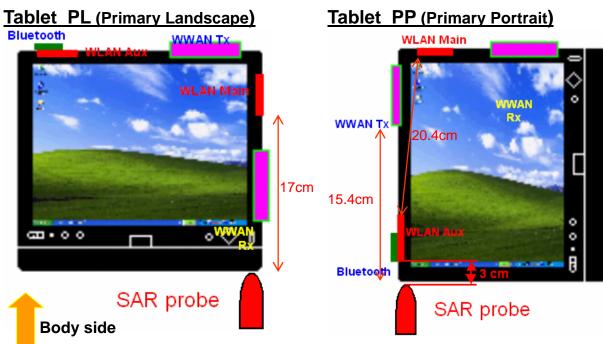


Table-2 Grid-summed SAR result of Tablet Primary mode

[Unit of results: mW/g]

		PPD-AR5BXB6 + each WWAN + MCLJ07H081
SAR Test Report No.		06LR020SAR-F
Primary Landscape	2.4G (DTS)	0.130
	5.2G (U-NII)	0.220
	5.8G (DTS)	0.200

		PPD-AR5BXB6 + each WWAN + MCLJ07H081
SAR Test Report No.		06LR020SAR-F
Primary Portrait	2.4G (DTS)	0.434
	5.2G (U-NII)	0.455
	5.8G (DTS)	0.456

Tablet SL (Secondary Landscape)

Tablet SP (Secondary Portrait)

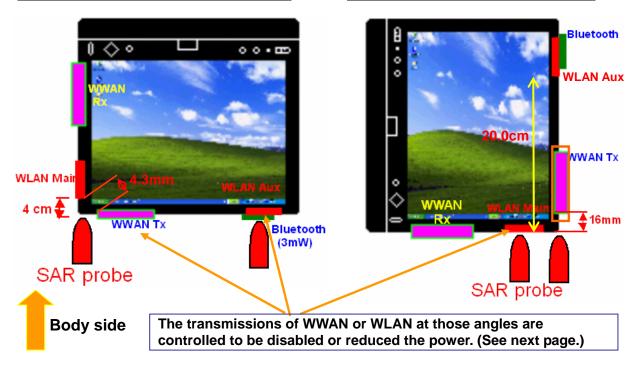


Table-3 Grid-summed SAR result of Tablet Secondary mode

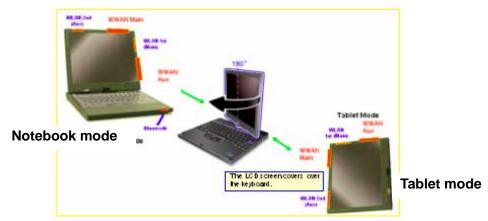
[Unit of results: mW/g]

		PPD-AR5BXB6 + each WWAN + MCLJ07H081
SAR Test Report No.		06LR020SAR-F
Secondary Landscape	2.4G (DTS)	0.430
	5.2G (U-NII)	0.529
	5.8G (DTS)	0.548

		PPD-AR5BXB6 + each WWAN + MCLJ07H081
SAR Test Report No.		06LR020SAR-F
Secondary Portrait	2.4G (DTS)	0.485
	5.2G (U-NII)	0.527
	5.8G (DTS)	0.534

[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 controls the transmission power of the Aux antenna for WLAN module (FCC ID: PPD-AR5 BXB72-L) to restrain to 1mW, or the transmission of WLAN module (FCC ID: PPD-AR5 BXB6 or PD9LEN3945ABG) is forced to switch to the main antenna.
 - If WWAN module was active, the system does not function with **SL** mode for any WWAN module, and the screen returns to **PL** mode automatically so that operator won't use the **SL** mode.
- When the SP screen mode was selected, the system controls the transmission power of the Main antenna for WLAN module (FCC ID: PPD-AR5 BXB72-L) to restrain to 1mW, or the transmission of WLAN module (FCC ID: PPD-AR5 BXB6 or PD9LEN3945ABG) is forced to switch to the Aux antenna.

