



APPENDIX I

RADIO FREQUENCY EXPOSURE

LIMIT

According to §15.407(f), U-NII devices are subject to the radio frequency radiation exposure requirements specified in §§ 1.1307(b), 2.1091 and 2.1093 of this chapter, as appropriate. All equipment shall be considered to operate in a "general population/uncontrolled" environment. Applications for equipment authorization of devices operating under this section must contain a statement confirming compliance with these requirements for both fundamental emissions and unwanted emissions. Technical information showing the basis for this statement must be submitted to the Commission upon request.

EUT Specification

EUT	LifeBook S Series
Frequency band (Operating)	<input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz <input checked="" type="checkbox"/> WLAN: 5.15GHz ~ 5.35GHz <input type="checkbox"/> WLAN: 5.725GHz ~ 5.850GHz <input type="checkbox"/> Bluetooth: 2.402 GHz ~ 2.482 GHz <input type="checkbox"/> Others: _____
Device category	<input type="checkbox"/> Portable (<20cm separation) <input checked="" type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> Others: _____
Exposure classification	General Population/Uncontrolled exposure ($S=1mW/cm^2$)
Antenna diversity	<input type="checkbox"/> Single antenna <input checked="" type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input checked="" type="checkbox"/> Tx/Rx diversity
Max. output power	IEEE 802.11a mode / 5180 ~ 5240MHz: 15.22 dBm(33.27mW) draft 802.11n Standard-20 MHz Channel mode / 5180 ~ 5240MHz: 15.37 dBm(34.43mW) draft 802.11n Wide-40 MHz Channel mode / 5190 ~ 5230MHz: 16.63 dBm(46.03mW) IEEE 802.11a mode / 5260 ~ 5320MHz: 16.86 dBm(48.53mW) draft 802.11n Standard-20 MHz Channel mode / 5260 ~ 5320MHz: 20.93 dBm(123.88mW) draft 802.11n Wide-40 MHz Channel mode / 5270 ~ 5310MHz: 20.08 dBm(101.86mW) Test mode: IEEE 802.11a mode / 5500 ~ 5700MHz: 17.38 dBm(54.70mW) draft 802.11n Standard-20 MHz Channel mode / 5500 ~ 5700MHz: 20.58 dBm(114.29mW) draft 802.11n Wide-40 MHz Channel mode / 5510 ~ 5670MHz: 18.66 dBm(73.45mW)
Antenna gain (Max)	0.18 dBi (Numeric gain: 1.04)
Evaluation applied	<input type="checkbox"/> MPE Evaluation <input checked="" type="checkbox"/> SAR Evaluation* <input type="checkbox"/> N/A
Remark:	
1. The maximum output power is <u>20.93dBm (123.88mW)</u> at <u>5260MHz</u> (with <u>1.04</u> numeric antenna gain.)	
2. For mobile or fixed location transmitters, no SAR consideration applied. The maximum power density is <u>1.0 mW/cm²</u> even if the calculation indicates that the power density would be larger.	

TEST RESULTS

No non-compliance noted.

Remark: Please refer to the separated SAR report.