



APPENDIX I

RADIO FREQUENCY EXPOSURE

LIMIT

According to §15.247(i), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See § 1.1307(b)(1) of this chapter.

EUT Specification

EUT	Media Tablet
Frequency band (Operating)	<input checked="" type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz <input type="checkbox"/> WLAN: 5.18GHz ~ 5.32GHz / 5.50GHz ~ 5.70GHz <input type="checkbox"/> WLAN: 5.745GHz ~ 5.825GHz <input type="checkbox"/> Others
Device category	<input checked="" type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> Others
Exposure classification	<input checked="" type="checkbox"/> Occupational/Controlled exposure ($S = 5\text{mW/cm}^2$) <input type="checkbox"/> General Population/Uncontrolled exposure ($S=1\text{mW/cm}^2$)
Antenna diversity	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity
Max. output power	IEEE 802.11b mode: 15.72 dBm(37.32 mW) IEEE 802.11g mode: 22.53 dBm(179.06mW) IEEE 802.11n HT 20 MHz mode: 22.47 dBm(176.60mW)
Antenna gain (Max)	3 dBi (Numeric gain: 1.99)
Evaluation applied	<input type="checkbox"/> MPE Evaluation <input type="checkbox"/> SAR Evaluation <input checked="" type="checkbox"/> N/A*

Remark:

The maximum output power is 22.53 dBm(179.06mW) at 2437MHz (with 1.99 numeric antenna gain.)

TEST RESULTS

No non-compliance noted.

MPE EVALUATION

Not applicable.

- (1) 802.11b maximum average output power 13.49dBm (22.33mW) is less than 24.570mW (60/f), so 802.11b SAR test is not required;*
- (2) 802.11g maximum average output power 11.76dBm (15.00mW) is less than 24.876mW (60/f), so 802.11g SAR test is not required.*
- (3) 802.11n HT20 maximum average output power 11.64dBm (14.59mW) is less than 24.876mW (60/f), so 802.11n HT20 SAR test is not required.*