



APPENDIX I

RADIO FREQUENCY EXPOSURE

LIMIT

EUT Specification

EUT	Portable wireless modem
Frequency band (Operating)	<input 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 checked="" type="checkbox"/> Others: 824 ~ 849 MHz
Device category	<input checked="" type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (>20cm separation)
Exposure classification	<input type="checkbox"/> Occupational/Controlled exposure ($S = 5\text{mW/cm}^2$) <input checked="" 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	GRPS 850: 27.49 dBm (561.04 mW) EDGE 850: 21.45 dBm(139.63 mW) WCDMA Band V: 22.46 dBm(176.19 mW) HSDPA Band V: 18.56 dBm(71.77 mW)
Antenna gain (Max)	1.45 dBi (Numeric gain: 1.39)
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 27.49dBm (561.04mW) at 824.20MHz (with 1.39 numeric antenna gain.)
2. DTS device is not subject to routine RF evaluation; MPE estimate is used to justify the compliance.
3. For mobile or fixed location transmitters, no SAR consideration applied. The maximum power density is 1.0 mW/cm^2 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.

**EUT Specification**

EUT	Portable wireless modem
Frequency band (Operating)	<input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz <input type="checkbox"/> WLAN: 5.725GHz ~ 5.850GHz <input type="checkbox"/> WLAN: 5.15GHz ~ 5.35GHz <input checked="" type="checkbox"/> Others: 1850 ~ 1910 MHz
Device category	<input checked="" type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (>20cm separation)
Exposure classification	<input type="checkbox"/> Occupational/Controlled exposure ($S = 5\text{mW/cm}^2$) <input checked="" 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	GRPS 1900: 29.38 dBm(866.96 mW) EDGE 1900: 26.61 dBm(458.14 mW) WCDMA Band II: 22.92 dBm(195.88 mW) HSDPA Band II: 23.68 dBm(233.34 mW)
Antenna gain (Max)	2.53 dBi (Numeric gain: 1.79)
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>29.38dBm (866.96mW)</u> at <u>1880.00MHz</u> (with <u>1.79 numeric antenna gain</u> .)	
2. DTS device is not subject to routine RF evaluation; MPE estimate is used to justify the compliance.	
3. 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.