## 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.

Date of Issue: December 22, 2006

## **EUT Specification**

EUT	GPS Tracking System
Frequency band (Operating)	<ul> <li>WLAN: 2.412GHz ~ 2.462GHz</li> <li>WLAN: 5.18GHz ~ 5.32GHz / 5.50GHz ~ 5.70GHz</li> <li>WLAN: 5.745GHz ~ 5.825GHz</li> <li>Others: Bluetooth: 2.402GHz ~ 2.480GHz</li> </ul>
Device category	Portable (<20cm separation)  Mobile (>20cm separation)  Others
Exposure classification	Occupational/Controlled exposure $(S = 5mW/cm^2)$ General Population/Uncontrolled exposure $(S=1mW/cm^2)$
Antenna diversity	Single antenna  Multiple antennas  Tx diversity  Rx diversity  Tx/Rx diversity
Max. output power	0.28dBm (1.07mW)
Antenna gain (Max)	-4.5 dBi (Numeric gain: 0.35)
Evaluation applied	<ul><li> ☐ MPE Evaluation</li><li> ☐ SAR Evaluation</li><li> ☐ N/A*</li></ul>
Remark:	
1. The maximum output power is <u>0.28dBm (1.07mW)</u> at <u>2402MHz</u> (with <u>0.35 numeric antenna</u>	
gain.) 2. DTS device is not subject to compliance.	routine RF evaluation; MPE estimate is used to justify the
	transmitters, no SAR consideration applied. The maximum n <sup>2</sup> even if the calculation indicates that the power density

## **Test Results**

No non-compliance noted.

(SAR evaluation is not required for the PORTABLE device while its maximum output power is lower than the general population low threshold:  $60/f_{(GHz)}=60/2.441=24.58$ mW)

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