Declaration on radiation safety standard conformance

To whom it may concern:

Intersil Corporation
Rembrandtlaan 1a
3723 BG Bilthoven
The Netherlands

declares that the following product

Description: 2.4/5 GHz IEEE 802.11g/a WLAN Cardbus card
FCC ID: OSZ39200C1
Manufacturer: Intersil Corporation
Brand: Intersil
Model: ISL39200C

(1) has a maximum e.i.r.p. of 18.2 dBm (66 mW, maximum conducted output power of +20 dbm minus antenna gain of −1.8 dBi) in the frequency range of 2412 – 2462 MHz, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

$$S = \frac{EIRP}{4*\pi*R^2} \quad \text{(power density without reflection)}$$

$$S = \frac{2^2*EIRP}{4*\pi*R^2} \quad \text{(power density with 100\% reflection)}$$

$$S = \frac{2^2*EIRP}{4*\pi*R^2} = \frac{66.1\ mW}{\pi*(20cm)^2} = 0.053\ mW/cm^2 \quad (limit = 1.0\ mW/cm^2)$$

This means that according to OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01), the equipment fulfills the requirements on power density for general population/uncontrolled exposure and therefore fulfills the requirements of 47 CFR Part 15.247 (b)(5).

(2) has a maximum e.i.r.p. of 18.0 dBm (63.1 mW, maximum conducted output power of +19.8 dbm minus antenna gain of −1.8 dBi) in the frequency range of 5150 – 5350 MHz, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

$$S = \frac{EIRP}{4*\pi*R^2} \quad \text{(power density without reflection)}$$

$$S = \frac{2^2*EIRP}{4*\pi*R^2} \quad \text{(power density with 100\% reflection)}$$

$$S = \frac{2^2*EIRP}{4*\pi*R^2} = \frac{63.1\ mW}{\pi*(20cm)^2} = 0.050\ mW/cm^2 \quad (limit = 1.0\ mW/cm^2)$$

This means that according to OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01), the equipment fulfills the requirements on power density for general population/uncontrolled exposure and therefore fulfills the requirements of 47 CFR Part 15.407 (f).

(3) has a maximum e.i.r.p. of 17.6 dBm (57.5 mW, maximum conducted output power of +19.4 dbm minus antenna gain of –1.8 dBi) in the frequency range of 5725 – 5850 MHz, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

$$S = \frac{EIRP}{4*\pi*R^2} \quad \text{(power density without reflection)}$$

$$S = \frac{2^2*EIRP}{4*\pi*R^2} \quad \text{(power density with 100\% reflection)}$$

$$S = \frac{2^2*EIRP}{4*\pi*R^2} = \frac{57.5\ mW}{\pi*(20cm)^2} = 0.045\ mW/cm^2 \quad (\text{limit} = 1.0\ mW/cm^2)$$

This means that according to OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01), the equipment fulfills the requirements on power density for general population/uncontrolled exposure and therefore fulfills the requirements of 47 CFR Part 15.247 (b)(5).