

Declaration on radiation safety standard conformance

To whom it may concern:

GlobespanVirata B.V.
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: RGS39200M1
Manufacturer: GlobespanVirata B.V.
Brand: GlobespanVirata
Model: RGS39200M1

(1) has a maximum e.i.r.p. of +23.9 dBm (245.5 mW, maximum conducted output power of +20.9 dbm plus antenna gain of +3.0 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 :

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

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

$$S = \frac{2^2 * \text{EIRP}}{4 * \pi * R^2} = \frac{245.5 \text{ mW}}{\pi * (20\text{cm})^2} = 0.195 \text{ mW/cm}^2 \quad (\text{limit} = 1.0 \text{ mW/cm}^2)$$

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 +19.7 dBm (93.3 mW, maximum conducted output power of +16.7 dbm plus antenna gain of +3.0 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 :

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

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

$$S = \frac{2^2 * \text{EIRP}}{4 * \pi * R^2} = \frac{93.3 \text{ mW}}{\pi * (20\text{cm})^2} = 0.074 \text{ mW/cm}^2 \quad (\text{limit} = 1.0 \text{ mW/cm}^2)$$

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 +23.8 dBm (239.9 mW, maximum conducted output power of +20.8 dbm plus antenna gain of +3.0 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 :

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

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

$$S = \frac{2^2 * \text{EIRP}}{4 * \pi * R^2} = \frac{239.9 \text{ mW}}{\pi * (20\text{cm})^2} = 0.191 \text{ mW/cm}^2 \quad (\text{limit} = 1.0 \text{ mW/cm}^2)$$

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).