

Declaration on radiation safety standard conformance

To whom it may concern:

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Declares that the following product

Description: UHF EPC Gen2 RFID Reader
FCC ID: CGDUPASSREACH
Manufacturer: Nedap
Brand: uPASS
Model: uPASS REACH

has a maximum e.i.r.p. of 34.5 dBm, 2818 mW (630 mW, maximum conducted output power plus antenna gain of 6.5 dBi , 4.5x) in the frequency range of 902 – 928 MHz. which means that the power density at 20 cm distance can be calculated as follows :

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

$$S = \frac{EIRP}{4 * \pi * R^2} = \frac{2818 \text{ mW}}{4 * \pi * (20\text{cm})^2} = 0.560 \text{ mW/cm}^2 \quad (\text{limit} = 1.0 \text{ mW/cm}^2)$$

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).

Date : 17-05-2010

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Function : System Engineer

