

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 operating on 902-928 MHz
FCC ID : CGDUPASSACC
IC : 1444A-UPASSACC
Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand : Nedap
Model : uPass Access Region 2&3

has a maximum e.i.r.p. of 32 dBm, 1585 mW (1000 mW, maximum conducted output power plus antenna gain of 2.0 dBi, 1.585x) in the frequency range of 902 – 928 MHz. which means that the power density at 20 cm distance can be calculated as follows :

EIRP

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

$$\text{EIRP} \quad 1585 \text{ mW}$$

$$S = 4 * \pi * R^2 = 4 * \pi * (20\text{cm})^2 = 0.315 \text{ mW/cm}^2 \quad (\text{limit} = 1.0 \text{ mW/cm}^2)$$

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 : 27-03-2013

Name: Ben van Zon



Function : System Engineer

N.V. Nederlandsche Apparatenfabriek "Nedap"


Jacques Hulshof
Approval Management

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