

Groenlo, 05 September 2014

Declaration on radiation safety standard conformance

Return address: PO Box 6, 7140 AA Groenlo, The Netherlands

American Certification Body
Certification Department
6731 Whittier Avenue, Suite C110
McLean, Virginia 22101
USA

To whom it may concern

We, N.V. Nederlandsche Apparatenfabriek "Nedap", declare that the following product:

Description : UHF RFID Reader mounted to the shop ceiling operating on 902-928 MHz
FCC ID : CGDOVRRFID
Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand : Nedap
Model : ASSY OVR RFID

has a maximum conducted peak power of 28.92 dBm equals 780 mW. With an antenna gain of 4.9 dBi (3.09 x) this results in 2410 mW peak in the frequency range of 902 – 928 MHz. meaning the power density at 20 cm distance can be calculated as follows :


$$S = \frac{P_{\text{peak}}}{4 \cdot \pi \cdot R^2} \quad (\text{power density})$$

$$P_{\text{peak}} = 2410 \text{ mW}$$

$$S = \frac{P_{\text{peak}}}{4 \cdot \pi \cdot R^2} = \frac{2410}{4 \cdot \pi \cdot (20 \text{ cm})^2} = 0.479 \text{ mW/cm}^2 \quad \text{The limit is } 1 \text{ mW/cm}^2$$

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).

N.V. Nederlandsche Apparatenfabriek "Nedap"



Jacques Hulshof
Approbation Officer

N.V. Nederlandsche Apparatenfabriek "Nedap"
Parallelweg 2
NL-7141 DC Groenlo
P.O. Box 6
NL-7140 AC Groenlo

T +31 (0)544 471 111
F +31 (0) 544 463 475
E info@nedap.com
www.nedap.com

Traderegister 08013836
ABN-AMRO 59.16.32.330
IBAN NL83ABNA0591632330
BIC ABNANL2A
VAT NL006456285B01