

Groenlo, 01 July 2013

Declaration on radiation safety standard conformance

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

American Certification Body
Attn.: Mrs. M. Bosley
Certification Department
6731 Whittier Avenue, Suite C110
McLean, Virginia 22101
USA

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

Description : UHF Reader mounted to the shop ceiling operating on 902-928 MHz
FCC ID : CGDSTOREIDT
Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand : Nedap
Model : !D POS Region 2

has a maximum conducted peak power of 26.44 dBm equals 441 mW. With an antenna gain of 9 dBi (7.95 x) this results in 3505 mW peak in the frequency range of 902 – 928 MHz. meaning the power density at 22 cm distance can be calculated as follows :

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

$$P_{\text{peak}} = 3505 \text{ mW}$$

$$S = \frac{P_{\text{peak}}}{4 * \pi * R^2} = \frac{3505}{4 * \pi * (22 \text{ cm})^2} = 0.576 \text{ mW/cm}^2 \quad \text{The limit is } 0.601 \text{ mW/cm}^2$$

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
Approval Management

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