technology that matters

Groenlo, 28 August 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

We, N.V. Nederlandsche Apparatenfabriek “Nedap”, declare that the following product:
Description : UHF Reader with antenna !D Gate operating on 902-928 MHz
FCC ID : CGDFLRRFRFID
Manufacturer : N.V. Nederlandsche Apparatenfabriek “Nedap”
Brand : Nedap
Model : ASSY FLR RF+RFID

has a maximum conducted peak power of 29.82 dBm equals 959.4 mW. With an antenna gain of 5.1 dBi (3.23x) this comes down to 3104 mW peak in the frequency range of 902 – 928 MHz which means that the power density at 20 cm distance can be calculated as follows :

$S = Ppeak/4*\pi * R^2$ (power density)

Ppeak = 3104 mW

$S = Ppeak / 4*\pi * R^2 = 3104 / 4*\pi*(20cm)^2 = 0.618$ mW/cm^2 The limit is 1.0 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”

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Approbation Management

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