technology that matters

Declaration on radiation safety standard conformance

Groenlo, 10 November 2013

To whom it may concern:

N.V. Nederlandsche Apparatenfabriek “Nedap”
Parallelweg 2
7141 DC Groenlo
The Netherlands

declares that the following product:

Description	: Wireless Space Count system for parking lots
FCC ID	: CGDSENSITSM
Manufacturer	: N.V. Nederlandsche Apparatenfabriek “Nedap”
Brand	: Nedap
Type/model number	: SENSIT SURFACE MOUNT

has a conducted peak power of 11 mW with a antenna gain of -2 dBi is resulting in a 6.9 mW radiated EIRP, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows:

$$S = \frac{EIRP}{4 * \pi * R^2}$$ (power density without reflection)

$$S = \frac{2^2 * EIRP}{4 * \pi * R^2}$$ (power density with 100% reflection)

$$S = \frac{2^2 * EIRP}{4 * \pi * R^2} = \frac{6.9mW}{\pi * (20cm)^2}$$ = 5.8 µW/cm² (Limit = 457 µW/cm²)

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)(4).

Best regards,
N.V. Nederlandsche Apparatenfebriek “Nedap”

Jacques Hulshof
Approbation Officer

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