

Groenlo, 18 July 2015

Declaration on radiation safety standard conformance

To whom it may concern:

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

declares that the following product:

FCC ID : CGDSENSITEPL
manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand : Nedap
Model : SENSIT EPL US
Antenna : Chip
Description : Parking sensor operating on 902-928 MHz

has a rated RF power of 3.4 mW, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows:

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

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

$$S = \frac{2^2 * EIRP}{4 * \pi * R^2} = \frac{4.3mW}{\pi * (20cm)^2} = 3.42 \mu W/cm^2 \quad (\text{Limit} = 457 \mu W/cm^2)$$

The system also complies with section 4.3.1 of KDB 447498 portable assessment, that can be calculated as follows:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \times \sqrt{f(\text{GHz})} =$

$$(4.3 / 5) \times (\sqrt{0.928}) = 0.85 \quad (\text{Limit} = 3)$$

Best regards,
N.V. Nederlandsche Apparatenfabriek "Nedap"



Jacques Hulshof
Approval Officer

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