

Groenlo, 28 July 2014

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 : CGDRELAY
manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand : Nedap
Model : SENSIT RELAY NODE 2G US
Antenna : Dipole
Description : Communication repeater for Sensit sensors operating on 902-928 MHz

has a rated RF power of 67.8 mW, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows:

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

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

$$S = \frac{2^{2*} EIRP}{4 * \pi * R^2} = \frac{67,8mW}{\pi * (20cm)^2} = 54 \mu W/cm^2 \quad (\text{Limit} = 457 \mu W/cm^2)$$

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


Jacques Hulshof
Approbation Officer

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