

Groenlo, 11 August 2013

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

Description : A Digital Transmission System in the band 2408 – 2475 MHz
FCC ID : CGDLW245A
Manufacturer : N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand : Nedap
Model : Luxon Wireless 245A
Type of service : New application, Limited Modular approval

has a rated RF power of 1.37 mW, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows:

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

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

$$S = \frac{2^2 * EIRP}{4 * \pi * R^2} = \frac{1.37mW}{\pi * (20cm)^2} = 0.0011 \text{ mW/cm}^2 \quad (\text{Limit} = 0.2 \text{ mW/cm}^2)$$

N.V. Nederlandsche Apparatenfabriek "Nedap"


Jacques Hulshof
Approbation officer

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