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Declaration on radiation safety standard conformance

To whom it may concern:

NOFIQ systems B.V.
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declares that the following product

Product type : Fire Control and Indicating Apparatus system
Product Brand name : NOFIQ
Product Identification : N20-BASE_HUB, N20-HUB, N20-FE and N80-FE

has a maximum e.i.r.p. of 2.5 dBm (1.78 mW) in the frequency range of 2400 – 2483.5 MHz, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

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

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

$$S = \frac{2^2 \cdot \text{EIRP}}{4 \cdot \pi \cdot R^2} = \frac{\text{EIRP (mW)}}{\pi \cdot (20\text{cm})^2} = \frac{1.78}{\pi \cdot (20)^2} = 0.00142 \text{ mW/cm}^2 \quad (\text{limit} = 10 \text{ W/m}^2 \text{ is } 1.0 \text{ mW/cm}^2)$$

This means that according to the council recommendation of 12 July 1999 on the limitations of exposure of the general public to electromagnetic fields (0 Hz-300 GHz) 1999/519/EC, the equipment fulfils the requirements on power density reference levels for general population/uncontrolled exposure (table 2).

The equipment is also in compliance with EC OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01) and fulfils also the requirements of the standard **EN 50371** since the power is substantial less than 20 mW.