

Declaration on radiation safety standard conformance

To whom it may concern:

Hopling Technologies B.V.
Camerastraat 10
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The Netherlands

declares that the following product

Description: Wireless Mesh Node
FCC ID: VEE-H5486868
Manufacturer: Hopling Technologies B.V.
Brand: Xnet
Model: Viper, Raptor

has a maximum e.i.r.p. of 33.2 dBm (2089 mW, maximum conducted output power for each card of 22.9 dbm plus antenna gain of 10.3 dBi) in the frequency range of 2400 – 2483.5 MHz, which means that the worst case prediction of power density at 26 cm distance (worst case) can be calculated as follows :

Total radiated output power with 4 cards simultaneously transmitting: $4 \times 2089 \text{ mW} = 8356 \text{ mW e.i.r.p.}$

$$S = \frac{\text{EIRP}}{4 \times \pi \times R^2}$$

$$S = \frac{8356 \text{ mW}}{4 \times \pi \times (26 \text{ cm})^2} = 0.98 \text{ mW/cm}^2 \quad (\text{limit} = 1.0 \text{ mW/cm}^2)$$

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)(5).