

Uppgjord (även faktaansvarig om annan) – Prepared (also subject responsible if other) H&D Mikael Ohlsson		Nr - No.		
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Statement on exposure to electromagnetic fields

H&D Wireless AB, XO2HDG104 FCC Application

DIRECTIVE

OET Bulletin 65, supplement C

CALCULATIONS

The product has an EIRP of less than 350 mW and a duty cycle (dc) of 48 % according to the manufacturer. The manual recommends that the operator is not closer than (r) 20 cm to the transmitter's antenna.

A worst case calculation is as follows:

$$S = \frac{dc \times EIRP}{4 \times \pi \times r^2}$$

$$S = 0,48 \times 350 / (4 \times \pi \times 20^2) = 0,03 \text{ mW/cm}^2$$

Reference level limit according to OET Bulletin 65, supplement C for power density at 2437 MHz is 1 mW/cm².

Considering the calculations above it is determined that the requirements according to the referred directive are fulfilled without testing.