

STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

No. 614050 SAR

EQUIPMENT

Type of equipment: IEEE 802.11 b/g WLAN Chipset on a reference platform
 Type / Model: NRX700 Chipset
 Manufacturer: Nanoradio AB
 By request of: Nanoradio AB

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:

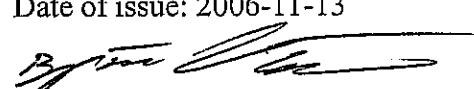
$$S = \frac{dc \times EIRP}{4 \times \pi \times r^2}$$

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

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.

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