

Statement of Human Exposure to Radiofrequency Electromagnetic Field

Equipment

Type of Equipment	Wireless data collection terminal
Model	NordicID Morphic
Type	HHT811
Manufacturer	Nordic ID

Standard

OET Bullet 65, supplement C

RF Exposure compliance for Spread Spectrum Transmitters

The product has 50 mW (17 dBm) output power and internal small chip type antenna has gain less than 1 dBi. The antenna of transmitter shall not be any closer than 5 cm from a person's body (excluding hands and wrists).

A worst case power density calculation (with 100% reflection) is as follow:

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

$$S = 4 \times 63 / (4 \times \pi \times 5^2) = 0,80 \text{ mW/cm}^2$$

Limit according to OET Bulletin 65, supplement C for power density at 1,5 to 100 GHz is 1 mW/cm². In considering the calculation it is determined that the requirements according the referred standard is fulfilled without measurements.

8 January 2009

A handwritten signature in black ink, appearing to read "Hannu Heino".

Hannu Heino
Technical Director
Nordic ID