

# STATEMENT OF EXPOSURE TO ELECTROMAGNETIC FIELDS No. 400919

## EQUIPMENT

Type of equipment	Bluetooth Barcode reader
Type / Model	RF 650
Manufacturer	Nordic ID
By request of:	Nordic ID

## DIRECTIVE / STANDARD

OET Bulletin 65, supplement C

## CALCULATIONS

According to the manufacturer the product has an EIRP of less 10 mW and the operator shall not be any closer than (R) 5 cm to the transmitter's antenna.

A worst case calculation is as follows:

$$S = \frac{4 \times EIRP}{4 \times \pi \times r^2} \quad (\text{Power density with 100 \% reflection})$$

$$S = 4 \times 10 / (4 \times \pi \times 5^2) = 0,127 \text{ mW/ cm}^2$$

Limit according to OET Bulletin 65, supplement C for power density at 2,4 GHz is 1 mW/ cm<sup>2</sup>. In considering the calculations above it is determined that the requirements according to the referred standard is fulfilled without testing.

Date of issue: 13 July 2004

Intertek Semko AB  
EMC & Radio

  
Björn Rosenquist  
Technical Manager



Intertek Semko AB

Torshamnsgatan 43, Box 1103, SE-164 22 Kista, Sweden

Telephone +46 8 750 00 00, Fax +46 8 750 60 30, [www.sweden.intertek-etlsemko.com](http://www.sweden.intertek-etlsemko.com)

Registered in Sweden: No SE556024059901, Registered office: As address