

# STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

**No.520634-EMF4****EQUIPMENT**

Type of equipment	S1500 TagMaster Reader
Brand name	TagMaster
Type / Model	S1500/00
Manufacturer	TagMaster AB
By request of:	TagMaster AB

**DIRECTIVE**

OET Bulletin 65, supplement C

**CALCULATIONS**

The product has an EIRP of less than 30 mW. According to the manufacturer, during normal use the operator is not closer than (r) 20 cm to the transmitter antenna. Assuming the duty cycle (dc) of 100%, the worst calculation is as follows:

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

$$S = 1 \times 4 \times 30 / (4 \times \pi \times 20^2) = 0,02 \text{ mW/cm}^2$$

Reference level limit according to OET Bulletin 65, supplement C for power density at 2450 MHz is 1 mW/cm<sup>2</sup>

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

Intertek Semko AB, Radio& EMC  
Date of issue: June 12, 2006

  
Björn Utermöhl

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



# STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

**No.520634-EMF5****EQUIPMENT**

Type of equipment	S1500 TagMaster Reader
Brand name	TagMaster
Type / Model	S1513/00
Manufacturer	TagMaster AB
By request of:	TagMaster AB

**DIRECTIVE**

OET Bulletin 65, supplement C

**CALCULATIONS**

The product has an EIRP of less than 30 mW. According to the manufacturer, during normal use the operator is not closer than (r) 20 cm to the transmitter antenna. Assuming the duty cycle (dc) of 100%, the worst calculation is as follows:

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

$$S = 1 \times 4 \times 30 / (4 \times \pi \times 20^2) = 0,02 \text{ mW/cm}^2$$

Reference level limit according to OET Bulletin 65, supplement C for power density at 2450 MHz is 1 mW/cm<sup>2</sup>

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

Intertek Semko AB, Radio& EMC  
Date of issue: June 12, 2006

  
Björn Utermöhl

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



# STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

**No.520634-EMF6****EQUIPMENT**

Type of equipment	S1500 TagMaster Reader
Brand name	TagMaster
Type / Model	S1566/00
Manufacturer	TagMaster AB
By request of:	TagMaster AB

**DIRECTIVE**

OET Bulletin 65, supplement C

**CALCULATIONS**

The product has an EIRP of less than 30 mW. According to the manufacturer, during normal use the operator is not closer than (r) 20 cm to the transmitter antenna. Assuming the duty cycle (dc) of 100%, the worst calculation is as follows:

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

$$S = 1 \times 4 \times 30 / (4 \times \pi \times 20^2) = 0,02 \text{ mW/cm}^2$$

Reference level limit according to OET Bulletin 65, supplement C for power density at 2450 MHz is 1 mW/cm<sup>2</sup>

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

Intertek Semko AB, Radio& EMC  
Date of issue: June 12, 2006

  
Björn Utermöhl

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

