

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/cm²

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


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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/cm²

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

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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/cm²

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

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