

STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

No. 504508-2V

EQUIPMENT

Type of equipment	WLAN Tag
Brand name	--
Type / Model	T201
Manufacturer	Ekahau, Inc.
By request of:	Ekahau, Inc.

DIRECTIVE

OET Bulletin 65, supplement C

CALCULATIONS

The product has an EIRP of less 28 mW and a duty cycle (dc) of 2,76 % according to the manufacturer. In 99 % of the cases the duty cycle is 0,2%. The manual recommends that the operator not be any closer than (R) 0,5 cm to the transmitter's antenna.

A worst case calculation is as follows:

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


$$S = 4 \times 0,0276 \times 28 / (4 \times \pi \times 0,5^2) = 0,98 \text{ mW/cm}^2$$

Reference level limit according to OET Bulletin 65, supplement C for power density at 2400 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

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