

STATEMENT OF EXPOSURE TO ELECTROMAGNETIC FIELDS

No. 403222

EQUIPMENT

Type of equipment	Bluetooth Radio Module
Type / Model	MA9C
Manufacturer	Flir Systems AB
By request of:	Flir Systems AB

DIRECTIVE / STANDARD

OET Bulletin 65, supplement C

CALCULATIONS

According to the manufacturer the product has an EIRP of less 1 mW and the operator shall not be any closer than (R) 1,0 cm to the transmitter's antenna.

A worst case calculation is as follows:

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

$$S = 4 \times 1 / (4 \times \pi \times 1^2) = 0,318 \text{ mW/ cm}^2$$

Limit according to OET Bulletin 65, supplement C for power density at 2,4 GHz is 1 mW/ cm². In considering the calculations above it is determined that the requirements according to the referred standard is fulfilled without testing.

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