

STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

No. 305469V

EQUIPMENT

Type of equipment	TWIS system
Type / Model	ME6820-M1 AP6803-M2
Manufacturer	SAAB Communication AB
By request of:	SAAB Communication AB

DIRECTIVE / STANDARD

OET Bulletin 65, supplement C

CALCULATIONS

According to the manufacturer the product has an EIRP of less 100 mW (duty cycle 17%) and the operator shall not be any closer than (R) 2,5 cm to the transmitter's antenna.

A worst case calculation is as follows:

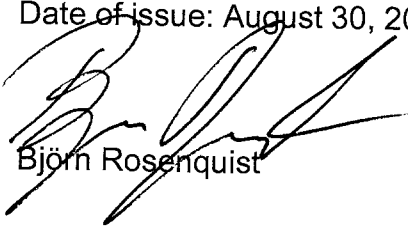
$$S = \frac{4 \times DC \times EIRP}{4 \times \pi \times r^2} \quad (\text{Power density with 100 \% reflection})$$

$$S = 4 \times 0,17 \times 100 / (4 \times \pi \times 2,5^2) = 0,87 \text{ mW/ cm}^2$$

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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