

STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

No.608317-SAR

EQUIPMENT

Type of equipment	Basestation
Brand name	EGO
Type / Model	EGO Basestation
Manufacturer	Teleca System Design AB
By request of:	Teleca System Design AB

DIRECTIVE

OET Bulletin 65, supplement C

CALCULATIONS

The product has an maximum output power with 6 dBi antenna gain of less than 3330 mW. According to the manufacturer, during normal use the operator is not closer than (r) 100 cm to the transmitter antenna. The duty cycle (dc) is 14,5%, the worst calculation is as follows:

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

$$S = 0,145 \times 4 \times 3330 / (4 \times \pi \times 100^2) = 0,015 \text{ mW/cm}^2$$

Reference level limit according to OET Bulletin 65, supplement C for power density at 915 MHz is 0.61 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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