

STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

EQUIPMENT

Type of equipment:	Tork Foam Dispenser with Intuition Sensor
Brand name:	SCA
Type / Model:	466200
Manufacturer:	SCA Hygiene systems AB
By request of:	SCA Hygiene systems AB

STANDARD

47 CFR §1.1310
RSS-102 issue 5 (2014)

CALCULATIONS

Highest output power to antenna is 1.5 dBm With +2 dBi antenna gain EIRP is 3.5 dBm or 2.2 mW
A test separation distance of 20 cm is used. A worst case calculation is as follows:

$$S = \frac{dc \times EIRP}{4 \times \pi \times r^2}$$

Maximum power density is

$$S = 0.0022 / (4 \times \pi \times 0.2^2) = 0.0044 \text{ W/m}^2 = 0.00044 \text{ mW/cm}^2$$

Limit for General Population/Uncontrolled Exposure according to §1.1310 for power density at 2405 MHz is 1.0 mW/cm^2 .

RF evaluation exemption limit on 2405 according to RSS-102 section 2.5.2 is 2.68 W

The requirements are fulfilled without testing.

Intertek Semko AB, Radio& EMC

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Issued by: Matti Virkki