

## 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**

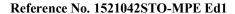
47 CFR §1.1310 RSS-102 issue 5 (2014)

## **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  $\S1.1310$  for power density at 2405 MHz is  $1.0 \text{ mW/cm}^2$ .

RF evaluation exemption limit 0n 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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