

# STATEMENT ON EXPOSURE TO ELECTROMAGNETIC FIELDS

## EQUIPMENT

Type of equipment: 13.56 MHz RFID reader  
Brand name: Arcontia  
Type / Model: T2  
Manufacturer: Lepic Arcontia AB  
By request of: Lepic Arcontia AB

## STANDARD

47 CFR §2.1091, 47 CFR §1.1307, 47 CFR §1.1310, KDB 447498 D01 v05r02

## CALCULATIONS

Measured field strength from 10 m/distance is 43.3 dB $\mu$ V/m

EIRP is calculated with following formula

$$\text{EIRP} = ((E^*d)^2)/30 = -41.47 \text{ dBm} = 7.12*10^{-5} \text{ mW}$$

E = field strength (V/m)

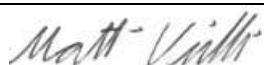
d = measurement distance (m)

EUT antenna has no gain therefore conducted power is also  $7.12*10^{-5}$  mW

According to KDB 447498 D01, the 1-g SAR exemption limit for 13.561 MHz and at separation of 5mm is 443 mW. Output power is well below the limit and EUT is exempted from SAR testing.

Intertek Semko AB, Radio& EMC

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Issued by: Matti Virkki Intertek Semko AB

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