



# RF Exposure Evaluation

## REPORT

For

### **Guard RFID Solutions Inc.**

#140 – 766 Cliveden Place  
Delta, British Columbia  
V3M 6C7, Canada

Date: 04 October 2022  
Project No.: 21145  
FCC ID: VZKST4  
IC ID.: 9937A-ST4  
Equipment: WiFi Staff Tag  
Model No.: ST-4

*Labtest Certification*

#### **ONE STOP GLOBAL CERTIFICATION SOLUTIONS**

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## KDB 447498 D01

### General RF Exposure Guidance v06, section 4.3.1 (a)

For 100 MHz to 6 GHz and test separation distances  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR, and  $\leq 7.5$  for 10-g extremity SAR, where

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

#### Calculation:

Information of the EUT is added in the below table.

Frequency (GHz)	Conducted Output Peak Power (dBm)	Conducted Output Peak Power (mW)	Min Test Separation Distance (mm)
2.412-2.462	5.969	3.95	5

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 1.24 \leq 3$

#### Conclusions

The SAR test exclusion thresholds are met.