



June 10, 2021

TUV SUD America CB
10 Centennial Drive FL2
Peabody, MA 01960

Attention: Director of Certification

RE: Analysis of RF Exposure per KDB 447498 D01 RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices v06 and RSS-102 Issue 5 March 2015.

FCC ID: 2AFR8-LIVEOneKEY

ISED Certification Number IC: 23313-LIVEOneKEY

1. General Information:

Applicant: InVue Security Products Inc.
Environment: General Population/Uncontrolled Exposure
Exposure Conditions: Portable

2. Technical Information (LoRa):

Operating Frequency: 902.3-914.9 MHz
Antenna Type: Ceramic Antenna
Antenna Gain: 1.8 dBi
Maximum Transmitter Conducted Power: 17.58 dBm
Maximum Transmitter EIRP: 19.38 dBm / 86.70 mW
Source based time averaged EIRP: 0.867 mW (Duty Cycle is 1%)

3. Technical Information (WPT):

Operating Frequency: 127 kHz
Field Strength at 3 meters: 36 dB μ V/m
Maximum Transmitter EIRP: -59.23 dBm / 0.0000012 mW

4. Technical Information (NFC):

Operating Frequency: 13.56 MHz
Field Strength at 3 meters: 32.55 dB μ V/m
Maximum Transmitter EIRP: -62.68 dBm / 0.00000054 mW

5. FCC Multi-RF Sources SAR Exemption:

Per §1.1307(b)(3)(ii)(A), the **EUT is exempt** if the sum of power of the multiple sources is less than 1 mW. This is worst case condition assuming all radios can transmit at the same time. Otherwise each radio is subject to the 1mW Blanket Exemption of §1.1307(b)(3)(i)(A).



6. ISED SAR Test Exclusion Threshold for LoRa:

Per Table 1 of RSS-102, the SAR test exclusion threshold at $\leq 5\text{mm}$ separation distance and frequency of 902.3 MHz is 16.37 mW. The EUT therefore is exempt having a source based time averaged EIRP of 0.867 mW.

7. ISED SAR Test Exclusion Threshold for WPT (127 kHz):

Per Table 1 of RSS-102, the minimum SAR test exclusion threshold at 5mm separation distance for ≤ 300 MHz is 71 mW. The EUT therefore is exempt having a maximum transmitter EIRP of 1.2 nW. The EUT also complies with the instantaneous limits of Section 4. Please see separate ISED SPR-002 test report covering the requirements.

8. ISED SAR Test Exclusion Threshold for NFC (13.56 MHz):

Per Table 1 of RSS-102, the minimum SAR test exclusion threshold at 5mm separation distance for ≤ 300 MHz is 71 mW. The EUT therefore is exempt having a maximum transmitter EIRP of 0.54 nW.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ferdie S. Custodio', written over a horizontal line.

Ferdie S. Custodio

Name

Authorized Signatory

Title: Senior EMC Test Engineer /Wireless Team Lead