

Test report

Number: **T251-0432/21** Project file: **C20211124**
Date: **2021-10-01**
Pages: **4**

Product: **Smart key system**

Type reference: **SKD**

Ratings: Battery powered: 1x Alkaline CR2032 3 Vdc
Protection class: III

Trademark:



Applicant: **RIMAC Automobili d.o.o.,
Ljubljanska 7, HR-10431 Sveta Nedelja, Croatia**

Manufacturer: **RIMAC Automobili d.o.o.,
Ljubljanska 7, HR-10431 Sveta Nedelja, Croatia**

Place of manufacture: **RIMAC Automobili d.o.o.,
Ljubljanska 7, HR-10431 Sveta Nedelja, Croatia**

Summary of testing

Testing method: **47 CFR FCC Part 2.1093**

Testing location: **SIQ Ljubljana, Mašera-Spasičeva ulica 10, SI-1000 Ljubljana, Slovenia**

Remarks: Date of receipt of test items: 2021-09-09
Number of items tested: 1
Date of performance of tests: 2021-09-23
The test results presented in this report relate only to the items tested.
The product complies with the requirements of the testing methods.

Tested by: **Luka Toseotto**

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Approved by: **Marian Mak**

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1 GENERAL

History sheet			
Date	Report No.	Change	Revision
2021-10-01	T251-0432/21	Initial Test Report issued.	--

1.1 Equipment under test

Smart key system

Type: **SKD**

Environment: Uncontrolled / General Public

Assessment distance: 5 mm

FCC ID: **2A2HN-RIM1404**

Reviewed test report T251-0651/21 from SIQ Ljubljana.

2 ASSESSMENT PROCEDURE

MPE EVALUATION OF PORTABLE DEVICES

According to 47 CFR 2.1093 clause (c)(1):

Evaluation of compliance with the exposure limits in § 1.1310 of chapter § 2.1093, and preparation of an EA if the limits are exceeded, is necessary for portable devices having single RF sources with more than an available maximum time-averaged power of 1 mW, more than the ERP listed in Table 1 to § 1.1307(b)(3)(i)(C), or more than the P_{th}, whichever is greater.

According to 47 CFR 1.1307 clause (3) Determination of exemption:

(i) For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

3 MEASUREMENTS / CALCULATIONS

Measured values for each configuration are listed in the following table:

Frequency (MHz)	Maximum* Power with antenna gain and tune-up (dBm)	Maximum* Power with antenna gain and tune-up (mW)	Exemption power limit (mW)
914.2	-23.62	0.00435	1
914.7	-21.37	0.00730	1
915.4	-20.94	0.00805	1

* Gated power with Duty Cycle calculated in

** maximum tolerance provided from manufacturer is ±2dB.

Conclusion: PASS; MPE Evaluation is not required due to exclusion power limit is met.

There is no simultaneous transmission between any other transmitter.