





시험 성적서

TEST REPORT

페이지(page) : (1) / (총(Total) 5)

성적서 번호 Report No.		ICRT-TR-E192312-0A	
신청자 Client	기관명 Name	Monimoto UAB	
	주소 Address	Sauletekio al. 15, Vilnius LT-10224 Lithuania	
시험대상품목 Sample description		Key MONIMOTO	
모델명 Type designation		KEY3	
정격 Ratings		DC 3.0 V	
시험장소 Place of test		<input checked="" type="checkbox"/> 고정시험(Inside test) <input type="checkbox"/> 현장시험(Field test) 주소지(Address): 112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do,	
시험기간 Date of test		18. Nov. 2019 ~ 19. Nov. 2019	
시험방법/항목 Test Method/Item		FCC rule §1.1310	
시험결과 Test Results		Refer to 3. Maximum Permissible Exposure	
확인 Affirmation	작성자 Tested by	기술책임자 Technical Manager	
	성명 Name	Yeong-Hwan, Hong (Signature) 	Hong-Kyu, Lee (Signature) 
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Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E192312-0A	04-Dec-2019	Initial Issue	All



1. Applicant & Manufacturer & Test Laboratory Information

1.1 Applicant information

Applicant	Monimoto UAB
Address	Sauletekio al. 15, Vilnius LT-10224 Lithuania
Contact Person	Rolandas Dranseika
Telephone No.	+370 612 57330
Fax No.	+370 672 66478
E-mail	rolandas@monimoto.com

1.2 Manufacturer Information

Manufacturer	Monimoto UAB
Address	Sauletekio al. 15, Vilnius LT-10224 Lithuania

1.3 Test Laboratory Information

Conducted tests were performed at	
Laboratory	ICR Co., Ltd.
Address	112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
Telephone No.	+82-2-6351-9002
Fax No.	+82-2-6351-9007
RRA No.	KR0165
KOLAS No.	KT652



2. Equipment under Test(EUT) Information

2.1 General Information

Product Name	Key MONIMOTO
Brand Name	-
Model Name	KEY3
Additional Model Name	-
FCC ID	2AU3KKEY3
Hardware Version	1.0
Software Version	1.0
Power Supply	DC 3.0 V (Used to Only Battery)
EUT Firmware Version	10.0.0.8
Target Power	1.0
EUT Serial Number	mk.F6F3555FD296

2.2 Additional Information

Equipment Class	DTS-Digital Transmission System
Device Type	Stand-alone
Operating Frequency	2 402 MHz ~ 2 480 MHz
RF Output Power	-0.92 dBm
Number of Channel	40
Modulation Type	GFSK
Antenna Type	PCB Antenna
Antenna Gain	1.0 dBi
Antenna Operating Mode	Single Antenna Equipment with only one antenna
List of Each Oscillator or Crystal Frequency	32 MHz

2.3 Mode of operation during the test

- The EUT is continuous transmission mode during the test with set at Low Channel, Middle Channel, and High Channel. To get a maximum radiated emission levels from the EUT, the EUT was moved throughout the XY, YZ, XZ planes.

2.4 Modifications of EUT

- None



3. Maximum Permissible Exposure

3.1 RF Exposure calculation

According to the FCC rule §1.1310 the limit for General Population/Uncontrolled exposure is 1 mW/cm² for the device operating 1 500 MHz ~ 100 000 MHz.

Kind of EUT	Key MONIMOTO
Operating Frequency Band	<input type="checkbox"/> WLAN(802.11b/g/n(HT20)): 2 412 MHz ~ 2 462 MHz <input type="checkbox"/> WLAN(802.11n(HT40)): 2 422 MHz ~ 2 452 MHz <input type="checkbox"/> WLAN: 5 180 MHz ~ 5 320 MHz / 5 500 MHz ~ 5 700 MHz <input type="checkbox"/> WLAN: 5 745 MHz ~ 5 825 MHz <input checked="" type="checkbox"/> Bluetooth: 2 402 MHz ~ 2 480 MHz
Max. Output Power	1.57 dBm
Exposure Evaluation Applied	<input type="checkbox"/> MPE <input type="checkbox"/> SAR <input checked="" type="checkbox"/> N/A

3.2 Result

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is

$$[(\text{Max. Power of channel, including tune-up tolerance, mW}) / (\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3$$

$$= (0.91/5) \times \sqrt{2.480} = 0.29$$

Conclusion: The SAR test exclusion threshold is less than 3, so the device meets the RF Exposure Requirement and excluded SAR Test.

Operating Mode	Frequency (MHz)	Target Power W / tolerance	Max tune up power		Separation distance (mm)	RF exposure	Limit
		(dBm)	(dBm)	(mW)			
Bluetooth LE	2 480	-0.92 ± 0.5	-0.42	0.91	5.0	0.29	3.00

- END OF REPORT.