

# RF Exposure Evaluation Report

Product Name : Wireless Gaming Keyboard

Model No. : M601

FCC ID : 2AWUFKM601

Applicant : DongGuan City Heatmoving Electronic Technology Co.,Ltd.

Address : XinLid industrial part Jinyuling road #28 SangYuan Village,  
Dongcheng Distric,DongGuan, China

Date of Receipt : Jun. 20, 2020

Date of Declaration : Aug. 18, 2020

Report No. : 2060790R-E3082100014

Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

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Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Issued Date: Aug. 18, 2020

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Applicant	DongGuan City Heatmoving Electronic Technology Co.,Ltd.	
Address	XinLid industrial part Jinyuling road #28 SangYuan Village, Dongcheng Distric,DongGuan, China	
Manufacturer	DongGuan City Heatmoving Electronic Technology Co.,Ltd.	
Model No.	M601	
FCC ID.	2AWUFKM601	
Trade Name	ASUS	
Applicable Standard	KDB 447498 D01 v06	<input type="checkbox"/> Minimum test separation distance $\geq 20$ cm <input checked="" type="checkbox"/> For low power devices
Test Result	Complied	

Documented By :



( Senior Adm. Specialist / Joanne Lin )

Tested By :



( Engineer / Wen Lee )

Approved By :



( Director / Vincent Lin )

## **Revision History**

Report No.	Version	Description	Issued Date
2060790R-E3082100014	V1.0	Initial issue of report.	2020-08-18

## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Wireless Gaming Keyboard
Trade Name	ASUS
Model No.	M601
FCC ID.	2AWUFKM601
Frequency Range	2403-2480MHz
Channel Number	78CH
Type of Modulation	GFSK
Antenna Type	PIFA Antenna
Antenna Gain	Refer to the table "Antenna List"

#### Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Shenzhen Shuodian Electronic Technology Co.,Ltd	SD623-PCB-2.4G WIFI-20200610	PIFA Antenna	2dBi for 2.4GHz

## 2. RF Exposure Evaluation

### 2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

### 2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 ( $\text{Power(mW)}/\text{separation (mm)} \cdot \sqrt{f(\text{GHz})} \leq 3.0$ ), SAR is required as shown in the table below where calculated values are greater than 3.0:

Operation frequency = 2450MHz and antenna separation distance = 5mm

Body SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum peak output power Peak Gain: 2dBi			SAR Test Exclusion Threshold	Calculated Threshold Value ( $\leq 3.0$ SAR is not required)
	conducted (dBm)	EIRP (dBm)	EIRP (mW)	(mW)	
2480	2.45	4.45	2.79	10	0.878

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 2060790R-E3032110109 from the DEKRA.