

RF Exposure Evaluation Report

Product Name : Wireless Gaming Keyboard
Model No. : MA02
FCC ID : EMJKMA02

Applicant : Primax Electronics Ltd

Address : 669 Ruey Kuang Road Neihu 114, Taipei, Taiwan

Date of Receipt : Nov. 28, 2020
Date of Declaration : Jan. 12, 2021
Report No. : 20B0995R-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.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

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: Jan. 12, 2021

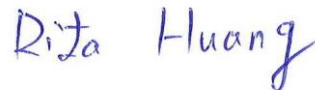
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Product Name	Wireless Gaming Keyboard	
Applicant	Primax Electronics Ltd	
Address	669 Ruey Kuang Road Neihu 114, Taipei, Taiwan	
Manufacturer	Primax Electronics Ltd	
Model No.	MA02	
FCC ID.	EMJKMA02	
Trade Name	ASUS	
Applicable Standard	KDB 447498 D01 v06	☐ Minimum test separation distance ≥ 20 cm ☒ For low power devices
Test Result	Complied	

Documented By

:



(Senior Adm. Specialist / Rita Huang)

Tested By

:



(Supervisor / Wen Lee)

Approved By

:



(Director / Vincent Lin)

Revision History

Report No.	Version	Description	Issued Date
20B0995R-E3082100014	V1.0	Initial issue of report.	2021-01-12

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Wireless Gaming Keyboard
Trade Name	ASUS
Model No.	MA02
FCC ID.	EMJKMA02
Frequency Range	2403-2480MHz
Number of Channels	78CH
Type of Modulation	GFSK
Antenna Type	PCB Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

1.2. Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	ASUS	MA02	PCB Antenna	5.732 dBi 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:

1.)

Operation frequency = 2450MHz and antenna separation distance = 5mm,
SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Tune Up H-Field AV power		SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3.0 SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2403~2480	100	3.00	10	0.930

Note1: The SAR/MPE measurement is not necessary.

Note2: The Tune Up H-Field AV power is refer to OPDes.