

RF Exposure Evaluation Report

Product Name : Gaming Mouse

Model No. : P508

FCC ID : EMJMP508

Applicant : Primax Electronics Ltd

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

Date of Receipt : Jan. 30, 2019

Date of Declaration : Apr. 24, 2019

Report No. : 1910347R-SAUSP03V00

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.

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Issued Date: Apr. 24, 2019

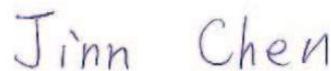
Report No.: 1910347R-SAUSP03V00



Product Name	Gaming Mouse
Applicant	Primax Electronics Ltd
Address	669 Ruey Kuang Road Neihu 114, Taipei, Taiwan
Manufacturer	Primax Electronics Ltd
Model No.	P508
FCC ID.	EMJMP508
Trade Name	ASUS
Applicable Standard	FCC 47 CFR 1.1307 KDB 447498 D01 v06
Test Result	Complied

Documented By

:



(Senior Adm. Specialist / Jinn Chen)

Tested By

:



(Senior Engineer / Wen Lee)

Approved By

:



(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Gaming Mouse
Trade Name	ASUS
Model No.	P508
FCC ID.	EMJMP508
Frequency Range	BLE: 2402 - 2480MHz Wireless: 2402-2479MHz
Channel Number	BLE: 40CH Wireless: 78CH
Type of Modulation	GFSK (1Mbps)
Channel Control	Auto
Antenna Type	PIFA Antenna
Antenna Gain	Refer to the table "Antenna List"

1.2. Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	GainForce Technology	690800003300	Multilayer Chip Antenna	0.5dBi for 2.4 GHz

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 ($\text{Power(mW)}/\text{separation (mm)}*\sqrt{f(\text{GHz})}\leq 3.0$), SAR is required as shown in the table below where calculated values are greater than 3.0:

1.) Wireless:

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

Frequency Band (MHz)	Maximum H-Field power		SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3.0 SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2402~2479	98.36	2.06	10	0.648

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum H-Field power is refer to report No.: 1910347R-RFUSP15V00 from the DEKRA.

2.) BLE :

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

Frequency Band (MHz)	Maximum peak output power Peak Gain: 0.5dBi			SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3.0 SAR is not required)
	conducted (dBm)	EIRP (dBm)	EIRP (mW)	(mW)	
2402~2480	0.40	0.90	1.23	10	0.387

Note1: The SAR/MPE measurement is not necessary.

Note2: The conducted output power is refer to report No.: 1910347R-RFUSP01V00-B from the DEKRA.