

RF Exposure Evaluation Report

Product Name : Wireless gaming mouse
Model No. : P510
FCC ID : EMJMP510

Applicant : Primax Electronics Ltd
Address : 669 Ruey Kuang Road Neihu 114, Taipei, Taiwan

Date of Receipt : May 23, 2020
Date of Declaration : Jun. 30, 2020
Report No. : 2050592R-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: Jun. 30, 2020

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| | | |
|---------------------|---|---|
| Product Name | Wireless gaming mouse | |
| Applicant | Primax Electronics Ltd | |
| Address | 669 Ruey Kuang Road Neihu 114, Taipei, Taiwan | |
| Manufacturer | Primax Electronics Ltd | |
| Model No. | P510 | |
| FCC ID. | EMJMP510 | |
| 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 :



(Adm. Assistant / Ida Tung)

Tested By :



(Senior Engineer / Wen Lee)

Approved By :



(Director / Vincent Lin)

Revision History

| Report No. | Version | Description | Issued Date |
|----------------------|---------|--------------------------|-------------|
| 2050592R-E3082100014 | V1.0 | Initial issue of report. | 2020-06-30 |

1. GENERAL INFORMATION

1.1. EUT Description

| | |
|--------------------|-----------------------------------|
| Product Name | Wireless gaming mouse |
| Trade Name | ASUS |
| Model No. | P510 |
| FCC ID. | EMJMP510 |
| Frequency Range | 2403 – 2480MHz |
| Channel Number | 78CH |
| Type of Modulation | GFSK |
| Channel Control | Auto |
| Antenna Type | Chip Antenna |
| Antenna Gain | Refer to the table “Antenna List” |

1.2. Antenna List

| No. | Manufacturer | Part No. | Antenna Type | Peak Gain |
|-----|--------------|----------------|--------------|-------------------|
| 1 | ACX | AT3216-B2R7HAA | Chip Antenna | 0.5dBi 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) | Maximum peak output power Peak Gain: 0.5dBi | | | SAR Test Exclusion Threshold (mW) | Calculated Threshold Value (≤ 3.0 SAR is not required) |
|-------------------------|--|---------------|--------------|---|---|
| | conducted (dBm) | EIRP (dBm) | EIRP (mW) | | |
| 2403~2480 | 5.21 | 5.71 | 3.72 | 10 | 1.155 |

Note1: The SAR/MPE measurement is not necessary.

Note2: The conducted output power is refer to report No.: 2050592R-E3032110109 from the DEKRA.