

# RF Exposure Evaluation Report

Product Name : Optical Gaming Mouse Dongle  
Model No. : ASUSDONGLEL  
FCC ID : H4IASUSDONGLEL

Applicant : Lite-on Technology Corp.

Address : 16F, 392, Ruey Kuang Road, Neihu, 11492 Taipei, Taiwan

Date of Receipt : Jul. 29, 2021  
Date of Declaration : Sep. 27, 2021  
Report No. : 2171180R-RFUSMPEV03  
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: Sep. 27, 2021  
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Product Name	Optical Gaming Mouse Dongle	
Applicant	Lite-on Technology Corp.	
Address	16F, 392, Ruey Kuang Road, Neihu, 11492 Taipei, Taiwan	
Manufacturer	Lite-on Technology Corp.	
Model No.	ASUSDONGLEL	
FCC ID.	H4IASUSDONGLEL	
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 : Jinn Chen  
 ( Supervisor / Jinn Chen )

Tested By : wen Lee  
 ( Supervisor / Wen Lee )

Approved By : Tim Sung  
 ( Manager / Tim Sung )

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## Revision History

<b>Report No.</b>	<b>Version</b>	<b>Description</b>	<b>Issued Date</b>
2171180R-RFUSMPEV03	V1.0	Initial issue of report.	Sep. 27, 2021

## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Optical Gaming Mouse Dongle
Trade Name	ASUS
Model No.	ASUSDONGLEL
FCC ID.	H4IASUSDONGLEL
Frequency Range	2403-2480MHz
Channel Number	78CH
Type of Modulation	GFSK
Antenna Type	Ceramic Chip Antenna
Channel Control	Auto
Antenna Gain	Refer to the table "Antenna List"

#### Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Walsin	H2U34W1H1Z0600	Ceramic Chip Antenna	2.5 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:

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

#### 2.4G Wireless:

Frequency Band	Maximum Peak EIRP power		SAR Test Exclusion Threshold	Calculated Threshold Value ( $\leq 3$ SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2480	93.62	0.6904	10	0.21746

Note 1: The SAR/MPE measurement is not necessary.

Note 2: The maximum peak EIRP power is refer to report No.: 2171180R-RFUSOTHV06 from the DEKRA.