RF Exposure Evaluation Report

Product Name : Wireless Gaming Mouse
Model No. : P708
FCC ID : H4IMSP708

Applicant : Lite-on Technology Corp.
Address : 16F,392,Ruey Kuang Road,Neihu ,11492 Taipei, Taiwan

Date of Receipt : Dec. 06, 2021
Date of Declaration : Jan. 03, 2022
Report No. : 21C0224R-RFUSMPEV03-A
Report Version : V1.0

Testing Laboratory
3023

Issued Date: Jan. 03, 2022
Report No.: 21C0224R-RFUSMPEV03-A

Product Name	Wireless Gaming Mouse	
Applicant	Lite-on Technology Corp.	
Address	16F,392,Ruey Kuang Road,Neihu ,11492 Taipei, Taiwan	
Manufacturer	Lite-on Technology Corp.	
Model No.	P708	
FCC ID.	H4IMSP708	
Trade Name	ASUS	
Applicable Standard	KDB 447498 D01 v06	☐ Minimum test separation distance ≥ 20 cm ☒ For low power devices
Test Result	Complied	

Documented By : Joanne Lin

(Senior Project Specialist / Joanne Lin)

Tested By : Alan Chen

(Senior Engineer / Alan Chen)

Approved By : Tim Sung

(Manager / Tim Sung)

Revision History

Report No.	Version	Description	Issued Date
21C0224R-RFUSMPEV03-A	V1.0	Initial issue of report.	2022-01-03

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Wireless Gaming Mouse
Trade Name	ASUS
Model No.	P708
FCC ID.	H4IMSP708
Frequency Range	2.4G Wireless: 2402-2480MHz BLE: 2403-2480MHz
Channel Number	2.4G Wireless: 78CH BLE: 40CH
Type of Modulation	2.4G Wireless: GFSK BLE: GFSK(1Mbps)
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	RFECA3216060A3T	Ceramic Chip Antenna	2.16dBi for 2.4GHz

1.2. Test Facility

Site Description	:	Accredited by TAF Accredited Number: 3023
Test Laboratory	:	DEKRA Testing and Certification Co., Ltd
Address	:	No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan
Performed Location	:	No. 26, Huaya 1st Rd., Guishan Dist.,Taoyuan City 333411, Taiwan, R.O.C.
Phone number	:	+886-3-275-7255
Fax number	:	+866-3-327-8031
Email address	:	info.tw@dekra.com
Website	:	http://www.dekra.com.tw

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 (Power(mW)/separation (mm)*sqrt(f(GHz)≤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

BLE:

Frequency Band (MHz)	Maximum peak output power Peak Gain: 2.16dBi			SAR Test Exclusion Threshold	Calculated Threshold Value (≦3.0 SAR is not required)
	conducted	EIRP	EIRP	(mW)	
	(dBm)	(dBm)	(mW)		
2402	3.83	5.99	3.97	10	0.616

Note : The SAR/MPE measurement is not necessary.

2.4G Wireless:

Frequency Band	Maximum PEAK EIRP power		SAR Test Exclusion Threshold	Calculated Threshold Value (≦3 SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2403 - 2480	101.27	4.019	10	1.246

Note : The SAR/MPE measurement is not necessary.