

RF Exposure Evaluation Report

Product Name : TUF Gaming H3 Wireless gaming headset

Model No. : P306

FCC ID : H4IP306

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. 03, 2021

Report No. : 2171179R-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. 03, 2021

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Product Name	TUF Gaming H3 Wireless gaming headset	
Applicant	Lite-on Technology Corp.	
Address	16F,392,Ruey Kuang Road,Neihu ,11492 Taipei, Taiwan	
Manufacturer	Lite-on Technology Corp.	
Model No.	P306	
FCC ID.	H4IP306	
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 Project Specialist / Joanne Lin)

Tested By

:



(Supervisor / Wen Lee)

Approved By

:



(Manager / Tim Sung)

Revision History

Report No.	Version	Description	Issued Date
2171179R-RFUSMPEV03	V1.0	Initial issue of report.	2021-09-03

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	TUF Gaming H3 Wireless gaming headset
Trade Name	ASUS
Model No.	P306
FCC ID.	H4IP306
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	RFECA3216060A1T	Ceramic Chip Antenna	2 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 ($\text{Power(mW)}/\text{separation (mm)} \times \sqrt{f(\text{GHz})} \leq 3.0$), 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

BLE:

Frequency Band	Maximum Peak Tune UP power		SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3 SAR is not required)
	(dBm)	(mW)	(mW)	
2402 - 2480	4.7	3	10	0.566

2.4G Wireless:

Frequency Band	Maximum AV Tune UP EIRP power		SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3 SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2403 - 2480	77.092	0.0154	10	0.00476

Note : The SAR/MPE measurement is not necessary.