

RF Exposure Evaluation Report

Product Name : TUF GAMING H7 WIRELESS Dongle
Model No. : TUF Gaming H7 WL Yellow dongle,
TUF Gaming H7 WL Gun metal dongle
FCC ID : BJM-TUFH7WLDG

Applicant : Tatung Company

Address : 22 Chungshan N Road Sec 3 ,Taipei 10451 ,Taiwan

Date of Receipt : Mar. 11, 2019

Date of Declaration : May 09, 2019

Report No. : 1930136R-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: May 09, 2019

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Applicant	Tatung Company
Address	22 Chungshan N Road Sec 3 ,Taipei 10451 ,Taiwan
Manufacturer	Tatung Company
Model No.	TUF Gaming H7 WL Yellow dongle, TUF Gaming H7 WL Gun metal dongle
FCC ID.	BJM-TUFH7WLDG
Trade Name	ASUS
Applicable Standard	FCC 47 CFR 1.1307 KDB 447498 D01 v06
Test Result	Complied

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Tested By : wenLee
(Senior Engineer / Wen Lee)

Approved By : 
(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	TUF GAMING H7 WIRELESS Dongle
Trade Name	ASUS
Model No.	TUF Gaming H7 WL Yellow dongle, TUF Gaming H7 WL Gun metal dongle
FCC ID.	BJM-TUFH7WLDG
Frequency Range	2405.35MHz~2477.35MHz
Channel Number	37CH
Type of Modulation	GFSK
Antenna Type	Print on PCB Antenna
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	ASUS	N/A	Print on PCB Antenna	-3.71dBi 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 ($\text{Power(mW)}/\text{separation (mm)} \times \sqrt{f(\text{GHz})} \leq 3.0$), SAR is required as shown in the table below where calculated values are greater than 3.0:

1.) Operation frequency = 2450MHz and antenna separation distance = 5mm,

SAR Test Exclusion Threshold = 10mW

Frequency Band	Maximum H-Field AV power		SAR Test Exclusion Threshold (mW)	Calculated Threshold Value (≤ 3.0 SAR is not required)
	(dBuV/3m)	(mW)		
2405.350-2477.350MHz	61.325	0.0004	10	0.0001

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum H-Field power is refer to report No.: 1930136R-RFUSP15V00 from the DEKRA.