

RF Exposure Evaluation Report

Product Name : TUF GAMING H7 WIRELESS

Model No. : TUF Gaming H7 WL Yellow,
TUF Gaming H7 WL Gun metal

FCC ID : BJM-TUFH7WL

Applicant : Tatung Company

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

Date of Receipt : Mar. 11, 2019

Date of Declaration : Apr. 25, 2019

Report No. : 1930134R-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: Apr. 25, 2019
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Product Name	TUF GAMING H7 WIRELESS
Applicant	Tatung Company
Address	22 Chungshan N Road Sec 3 ,Taipei 10451 ,Taiwan
Manufacturer	Tatung Company
Model No.	TUF Gaming H7 WL Yellow, TUF Gaming H7 WL Gun metal
FCC ID.	BJM-TUFH7WL
Trade Name	ASUS
Applicable Standard	FCC 47 CFR 1.1307 KDB 447498 D01 v06
Test Result	Complied

Documented By : Jinn Chen

(Senior Adm. Specialist / Jinn Chen)

Tested By : Wen Lee

(Senior Engineer / Wen Lee)

Approved By : Vincent Lin

(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	TUF GAMING H7 WIRELESS
Trade Name	ASUS
Model No.	TUF Gaming H7 WL Yellow, TUF Gaming H7 WL Gun metal
FCC ID.	BJM-TUFH7WL
Frequency Range	2405.35~2477.35MHz
Channel Number	37CH
Type of Modulation	Pi/4 DQPSK
Antenna Type	PCB Antenna
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Tatung	051-044R,048-056R(Ant 1) 051-044R,048-056R(Ant 2)	PCB Antenna	5.48dBi 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 (Power(mW)/separation (mm)*sqrt(f(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 power		SAR Test Exclusion Threshold	Calculated Threshold Value (\leq 3.0 SAR is not required)
	(dBuV/3m)	(mW)		
2405.35MHz	99.096	2.44	10	0.756

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum H-Field power is refer to report No.: 1930134R-RFUSP15V00 from the DEKRA.