

# RF Exposure Evaluation Report

Product Name : 3-Axis Handheld Stabilizer

Model No. : G3M-B1

FCC ID : MSQ-G3MB1

Applicant : ASUSTeK COMPUTER INC.

Address : 1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

Date of Receipt : Apr. 25, 2020

Date of Declaration : Jul. 15, 2020

Report No. : 2040679R-E3082100014

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: Jul. 15, 2020


Report No.: 2040679R-E3082100014



Product Name	3-Axis Handheld Stabilizer	
Applicant	ASUSTeK COMPUTER INC.	
Address	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan	
Manufacturer	ASUSTeK COMPUTER INC.	
Model No.	G3M-B1	
FCC ID.	MSQ-G3MB1	
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 : Ida Tung  
( Adm. Specialist / Ida Tung )

Tested By : wenLee  
( Senior Engineer / Wen Lee )

Approved By :   
( Director / Vincent Lin )

## **Revision History**

Report No.	Version	Description	Issued Date
2040679R-E3082100014	V1.0	Initial issue of report.	2020-07-15

## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	3-Axis Handheld Stabilizer
Trade Name	ASUS
Model No.	G3M-B1
FCC ID.	MSQ-G3MB1
Frequency Range	2402-2480MHz
Channel Number	BT: 79 BLE: 40
Type of Modulation	FHSS: GFSK(1Mbps) / $\pi$ / 4DQPSK(2Mbps) / 8DPSK(3Mbps) V4.0: GFSK(1Mbps)
Antenna Type	PIFA Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”
USB Cable	MFR: ASUS, M/N: G3M-B1 Non-shielded, 0.46m

#### Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	ASUS	HW-B01	PIFA Antenna	1.81dBi 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:

#### 1.) BT:

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

Frequency Band (MHz)	Maximum output power Peak Gain: 1.81dBi			SAR Test Exclusion Threshold	Calculated Threshold Value ( $\leq 3.0$ SAR is not required)
	Power (dBm)	EIRP (dBm)	EIRP (mW)	(mW)	
2402 – 2480	1.35	3.16	2.07	10	0.652

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 2040679R-E3032110109 from the DEKRA.

#### 2.) BLE:

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

Frequency Band (MHz)	Maximum output power Peak Gain: 1.81dBi			SAR Test Exclusion Threshold	Calculated Threshold Value ( $\leq 3.0$ SAR is not required)
	Power (dBm)	EIRP (dBm)	EIRP (mW)	(mW)	
2402 – 2480 (BLE)	2.07	3.88	2.44	10	0.763

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 2040679R-E3032110109-A from the DEKRA.