

# RF Exposure Evaluation Report

Product Name : Dongle  
Model No. : MD200-D  
FCC ID : MSQ-DG-MD200D

Applicant : ASUSTeK Computer, Inc  
Address : 1F, No. 15, Lide Rd, Beitou, Taipei, 112 Taiwan

Date of Receipt : Apr. 14, 2022  
Date of Declaration : Jun. 20, 2022  
Report No. : 2240527R-RFUSMPEV03-A  
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: Jun. 20, 2022

Report No.: 2240527R-RFUSMPEV03-A



Product Name	Dongle	
Applicant	ASUSTeK Computer, Inc	
Address	1F, No. 15, Lide Rd, Beitou, Taipei, 112 Taiwan	
Manufacturer	ASUSTeK Computer, Inc	
Model No.	MD200-D	
FCC ID.	MSQ-DG-MD200D	
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	

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Tested By : Jack Hsu  
 (Senior Engineer / Jack Hsu)

Approved By : Tim Sung  
 (Manager / Tim Sung)

## Revision History

Report No.	Version	Description	Issued Date
2240527R-RFUSMPEV03-A	V1.0	Initial issue of report.	Jun. 20, 2022

## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Dongle
Trade Name	ASUS
Model No.	MD200-D
FCC ID.	MSQ-DG-MD200D
Frequency Range	2402-2480MHz
Antenna Type	Printed Antenna
Antenna Gain	Refer to the table "Antenna List"

#### Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	NORDIC	nRF52820_QDAA-QNF40	Printed Antenna	1.934dBi for 2.4GHz

## 1.2. Test Facility

**USA : FCC Registration Number: TW0033**

**Canada : CAB Identifier Number: TW3023 / Company Number: 26930**

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](mailto: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 ( $\text{Power(mW)}/\text{separation (mm)} \cdot \sqrt{f(\text{GHz})} \leq 3.0$ ), SAR is required as shown in the table below where calculated values are greater than 3.0:

Operation frequency = 2450MHz and antenna separation distance = 5mm

Body SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum H-Field power		SAR Test Exclusion Threshold	Calculated Threshold Value ( $\leq 3.0$ SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2480	100.93	3.7164	4.45	1.17052

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 2240527R-RFUSOTHV06-A from the DEKRA.