

RF Exposure Evaluation Report

Product Name : ROG DELTA S WIRELESS DONGLE
Model No. : ROG DELTA S WIRELESS DONGLE
FCC ID : 2AD8P-RDSWLDG

Applicant : Dongguan Laccess Electronic Technology Co., Ltd.
Address : No 20 Xiang Yang Road, Tianxin, Qiaotou Town, Dongguan,
GuangDong, China

Date of Receipt : Jan. 25, 2022
Date of Declaration : Apr. 08, 2022
Report No. : 2210781R-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: Apr. 08, 2022

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Product Name	ROG DELTA S WIRELESS DONGLE	
Applicant	Dongguan Laccess Electronic Technology Co., Ltd.	
Address	No 20 Xiang Yang Road, Tianxin, Qiaotou Town, Dongguan, GuangDong, China	
Manufacturer	Dongguan Laccess Electronic Technology Co., Ltd.	
Model No.	ROG DELTA S WIRELESS DONGLE	
FCC ID.	2AD8P-RDSWLDG	
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 / Genie Chang)

Tested By

:



(Senior Engineer / Alan Chen)

Approved By

:



(Manager / Tim Sung)

Revision History

Report No.	Version	Description	Issued Date
2210781R-RFUSMPEV03-A	V1.0	Initial issue of report.	2022-04-08

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	ROG DELTA S WIRELESS DONGLE
Trade Name	ASUS
Model No.	ROG DELTA S WIRELESS DONGLE
FCC ID.	2AD8P-RDSWLDG
Frequency Range	2403-2479MHz
Channel Number	77CH
Type of Modulation	GFSK
Antenna Type	Chip Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Unictron	H2U38D1E1B0100	Chip Antenna	-0.2dBi for 2.4GHz

1.2. Test Facility

USA : FCC Registration Number: TW1134

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

Operation frequency = 2479MHz and antenna separation distance = 5mm,
SAR Test Exclusion Threshold = 2.72mW

Frequency Band	Maximum PEAK EIRP power		SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3 SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2403 - 2479	99.00	2.38	2.72	0.75042

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum H-Field power is refer to report No.: 2210781R-RFUSOTHV06-A from the DEKRA.