Test Report No:
2450522R-RFUSV17S-A

RF EXPOSURE EVALUATION DECLARATION

Product Name	Tablet PC	
Brand Name	ADVANTECH	
Main Model No.	AIM-68S	
Series Model No.	AIM-68H	
FCC ID	M82-AIM68S	
Applicant´s Name / Address	Advantech Co., Ltd. No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei 114, Taiwan	
Manufacturer's Name	Advantech Co., Ltd.	
Test Method Requested, Standard	KDB 447498 D01 v06	☐ Minimum test separation distance ≥ 20 cm ☒ For low power devices
Verdict Summary	IN COMPLIANCE	
Documented By Ida Tung	Ida Tung	
Tested by Alan Chen	Alan Chen	
Approved by Tim Sung	Tim Sung	
Date of Receipt	2024/05/22	
Date of Issue	2024/08/02	
Report Version	V1.0	

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.
In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

General Conditions

1. The test results relate only to the samples tested.
2. 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.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. 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.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	2024/08/02

1. General Information

1.1. EUT Description

Product Name	Tablet PC
Brand Name	ADVANTECH
Main Model No.	AIM-68S
Series Model No.	AIM-68H

Note: For more detailed information please refer to report No.: 2450522R-RFUSV07S-A.

1.2. Testing Location Information

USA	FCC Designation 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.
	Linkou Laboratory
Address	No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C.
Performed Location	No. 26, Huaya 1st Rd., Guishan Dist.,Taoyuan City 333411, Taiwan, R.O.C.
Phone Number	+886-3-275-7255
Fax Number	+886-3-327-8031

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. Test Result of RF Exposure Evaluation

According to KDB Publication 447498 D01, section 4.3.1

1.) Operation frequency = 13.56 MHz and antenna separation distance ≤ 50 mm, the test exclusion thresholds are determined by the following steps a) to d):

a) For frequencies 100 MHz and test separation distances ≤ 50 mm, ***[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR***.

b) For frequencies 100 MHz and test separation distances > 50 mm, ***{[Power allowed at numeric threshold for 50 mm in step a)] + [(test separation distance – 50 mm)·(f(MHz)/150)]} mW***.

c) For frequencies below 100 MHz and test separation distances > 50***, Step b Multiplied by [1 + log(100/f(MHz))]***.

d) For frequencies below 100 MHz and test separation distances ≤ 50 mm, ***Step c Multiplied by ½***.

SAR Test Exclusion Threshold = 442 mW.

Frequency Band (MHz)	Output power			SAR Test Exclusion Threshold
	Field strength (dBuV/m)	E.I.R.P (dBm)	E.I.R.P (mW)	(mW)
13.56	61.16	-28.040	0.0016	422

Note

1. No RF Exposure evaluation required since maximum Transmitter Pout is below exclusion threshold.
2. The SAR/MPE measurement is not necessary.
3. The maximum output power is referred to report No.: 2450522R-RFUSV07S-A from the DEKRA.