

Test Report No:
2521112R-RFUSV17S-A

RF EXPOSURE EVALUATION DECLARATION

Product Name	MSI PEN 2S	
Brand Name	msi	
Model No.	MS-1P18	
FCC ID	I4L-ONE-MSI-PEN2S	
Applicant's Name / Address	Micro-Star Int'l Co.,Ltd. No.69, Lide St., Zhonghe Dist., New Taipei City 235, Taiwan	
Manufacturer's Name	Micro-Star Int'l 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 Steven Tsai	Steven Tsai	
Approved By Tim Sung	Tim Sung	
Date of Receipt	2025/02/27	
Date of Issue	2025/05/02	
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.

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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	2025/05/02

General Information

1.1. EUT Description

Product Name	MSI PEN 2S
Brand Name	msi
Model No.	MS-1P18

Note: For more detailed information, please refer to Report No. 2521112R-RFUSV01S-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. 85, Wenlin St., Linkou Dist., New Taipei City 244017, 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, per the calculations of item 1 (Power(mW)/separation (mm)*sqrt(f(GHz)≤3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

1.) Operation frequency = 2402 MHz and antenna separation distance = 5mm, SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Output power		SAR Test Exclusion Threshold (mW)	Calculated Threshold Value (≤3.0 SAR is not required)
	Maximum conducted output power (dBm)	Maximum conducted output power (mW)		
2402	4.30	2.69	10	0.834

Note

1. No RF Exposure evaluation required since maximum Transmitter Pout (both conducted and EIRP) is below exclusion threshold.
2. The SAR/MPE measurement is not necessary.
3. The maximum output power refers to the data in Report No. 2521112R-RFUSV01S-A from DEKRA.