

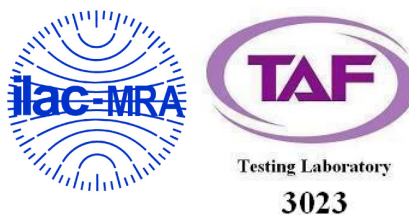
# RF Exposure Evaluation Report

Product Name : MSI Pen 2  
Model No. : MS-1P16  
FCC ID : I4L-ONE-MSI-PEN2

Applicant : MICRO-STAR INTERNATIONAL CO., LTD.

Address : No. 69, Lide St., Zhonghe Dist, New Taipei City 235 Taiwan

Date of Receipt : Oct. 19, 2022  
Issued Date : Feb. 15, 2023  
Report No. : 22A0466R-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.



Product Name	MSI Pen 2	
Applicant	MICRO-STAR INTERNATIONAL CO., LTD.	
Address	No. 69, Lide St., Zhonghe Dist, New Taipei City 235 Taiwan	
Manufacturer	Dexin Electronics Co.,Ltd..	
Trade Name	msi	
Model No.	MS-1P16	
FCC ID	I4L-ONE-MSI-PEN2	
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 : Jinn Chen  
 ( Supervisor / Jinn Chen )

Tested By : Alan Chen  
 ( Senior Engineer / Alan Chen )

Approved By : Tim Sung  
 ( Manager / Tim Sung )

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## Revision History

Report No.	Version	Description	Issued Date
22A0466R-RFUSMPEV03-A	V1.0	Initial issue of report.	Feb. 15, 2023

## 1. General Information

### 1.1. EUT Description

Product Name	MSI Pen 2
Model No.	MS-1P16
Trade Name	msi
FCC ID	I4L-ONE-MSI-PEN2

Note: For more detailed information please refer to report No.: 22A0466R-RFUSBLEV01-A.

## 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 : +886-3-327-8031  
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 ( $\text{Power(mW)}/\text{separation (mm)}*\sqrt{f(\text{GHz})}\leq 3.0$ ), SAR is required as shown in the table below where calculated values are greater than 3.0:

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

Frequency Band (MHz)	Output power		SAR Test Exclusion Threshold	Calculated Threshold Value ( $\leq 3.0$ SAR is not required)
	E.I.R.P (dBm)	E.I.R.P (mW)	(mW)	
2440	-5.83	0.26	10	0.082

Note 1: No RF Exposure evaluation required since maximum Transmitter Pout (both conducted and EIRP) is below exclusion threshold.

Note 2: The SAR/MPE measurement is not necessary.

Note 3: The maximum output power is refer to report No.: 22A0466R-RFUSBLEV01-A from the DEKRA.