

TEST REPORT

Applicant Name: M5Stack Technology Co., Ltd
Address: Block A10, Expo Bay South Coast, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Report Number: 2604W77149E-RF
FCC ID: 2AN3WM5STAMPS3MINI

Test Standard (s)

47 CFR §2.1091

Sample Description

Product Name: M5Stamp-S3 Mini

Model No.: Stamp-S3 Mini

Trade Mark:



M5STACK

Received Date: 2026-08-25

Report Date: 2026-09-20

Test Result:	The EUT complied with the standards above.
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Engineer

Approved By:

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Bob. Liao
Supervisor

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2604W77149E-RF	Original Report	2026-09-20

GENERAL INFORMATION

Product Name	M5Stamp-S3 Mini
Tested Model	Stamp-S3 Mini
Voltage Range [#]	DC 5V from USB Port

Frequency Range	BLE: 2402-2480MHz 2.4G Wi-Fi: 2412-2462MHz
Maximum Conducted Output Power(Peak) (actual test result)	BLE: -0.08 dBm 2.4G Wi-Fi: 22.33 dBm
Sample Serial Number	3SJZ-3 (Assigned by BACL, Shenzhen, Guangming)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 1-Subpart I and Part 2-Subpart J, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC §1.1307 & §2.1091 rules.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen, Guangming) to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to FCC §1.1307(b)& §2.1091, 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.

According to KDB 447498 D04 Interim General RF Exposure Guidance v01, clause 2.1.4 –MPE-Based Exemption:

An alternative to the SAR-based exemption is provided in § 1.1307(b)(3)(i)(C), for a much wider frequency range, from 300 kHz to 100 GHz, applicable for separation distances greater or equal to $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. The MPE-based test exemption condition is in terms of ERP, defined as the product of the maximum antenna gain and the delivered maximum time-averaged power. For this case, a RF source is an RF exempt device if its ERP (watts) is no more than a frequency-dependent value, as detailed tabular form in Appendix B. These limits have been derived based on the basic specifications on Maximum Permissible Exposure (MPE) considered for the FCC rules in § 1.1310(e)(1).

Table to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

f = frequency in MHz;

R = minimum separation distance from the body of a nearby person (appropriate units, e.g., m);

Calculated Result

For worst case:

Radio	Frequency Range (MHz)	Maximum Conducted Output Power (dBm)	Tune-Up Conducted Output Power [#] (dBm)	Antenna Gain [#]		ERP		Evaluation Distance (cm)	MPE-Based Exemption (mW)
				(dBi)	(dBd)	(dBm)	(mW)		
BT	2402-2480	-0.08	0	2.11	-0.04	-0.04	0.99	20	768.0
2.4G WIFI	2412-2462	22.33	22.50	2.11	-0.04	22.46	176.198	20	768.0

Note 1: The Maximum Conducted Output Power comes from RF test reports (2604W77149E-RF-00A/00B).

Note 2: The tune-up power and antenna gain are declared by the applicant.

Note 3: 0dBd=2.15dBi.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliance.

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2604W77149E-RF EUT External Photos and Attachment No.2 2604W77149E-RF EUT Internal Photos.

******* END OF REPORT *******