

TEST REPORT

Applicant Name: M5Stack Technology Co.,Ltd
Address: Block A10, Expo Bay South Coast, Fuhai Street, Bao'an District, Shenzhen, China
Report Number: 2504A01367E-RF
FCC ID: 2AN3WM5CAPLORA1262

Test Standard (s)

FCC PART 2.1093

Sample Description

Product Name: M5Cap LoRa-1262
Model No.: Cap LoRa-1262
Trade Mark: 
M5STACK
Date Received: 2025-12-17
Report Date: 2026-01-16

Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:

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Amanda Wei
EMC Engineer

Approved By:

Bob Liao

Bob Liao
EMC Engineer

Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA, or any agency of the Federal Government. The information marked “#” is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504A01367E-RF	Original Report	2026-01-16

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	M5Cap LoRa-1262
Tested Model	Cap LoRa-1262
Voltage Range [#]	DC 5V

Frequency Range	LoRa: 903-914.9MHz
Maximum Conducted Output Power(Peak) (actual test result)	8.92dBm
Antenna Specification [#]	External Antenna, Gain: 3.08dBi(It is provided by the applicant.)
Sample Serial Number	3ELP-1(Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts C 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 §2.1093 rules.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. 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.

RF EXPOSURE

Applicable Standard

According to FCC §2.1093, 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 D01 General RF Exposure Guidance v06,

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

- 1. f(GHz) is the RF channel transmit frequency in GHz.
- 2. Power and distance are rounded to the nearest mW and mm before calculation.
- 3. The result is rounded to one decimal place for comparison.
- 4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.

Result

For worst case:

Frequency (MHz)	Tune-Up Conducted Output Power# (dBm)	Tune-Up Conducted Output Power# (mW)	Distance (mm)	Calculated Value	Threshold (1-g SAR)	SAR Test Exclusion
903-914.9MHz	9	7.94	5	2.5	3	Yes

Note: The tune-up conducted power is declared by the applicant.

Result: No SAR test is required.

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504A01367E-RF EUT External Photos and Attachment No.2 2504A01367E-RF EUT Internal Photos.

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