



American Certification Body Inc.
6731 Whittier Ave, Suite C110, McLean, VA 22101
Ph: (703) 847-4700, Fax: (703) 847-6888

JAPAN CERTIFICATE OF CONSTRUCTION TYPE

CERTIFICATION No.	▶ ACB-MIC000299
RADIO LABEL MARKING	▶ R 209- J00345
ISSUED TO	▶ Silicon Laboratories Inc 400 West Cesar Chavez Austin, TX 78701 U.S.A.
CLASSIFICATION OF SPECIFIED RADIO EQUIPMENT	▶ Article 2, Paragraph 1, Item 19 Category: WW
MODEL / NAME OF EQUIPMENT	▶ ZigBee + Bluetooth 5.0 Module, models MGM13S02A and MGM13S02N
FREQUENCY RANGE	▶ 2405 - 2480 MHz 2402 - 2480 MHz
EMISSION DESIGNATION	▶ See Annex 1 to this certificate for details
R.F. POWER RATING	▶ See Annex 1 to this certificate for details

NOTES: **This certificate does not pertain to requirements that may be applicable under the Telecommunications Business Act for certain types of telecommunications terminal equipment which are subject to both the Radio Act and Telecommunications Business Act.**

This is to Certify that the above Type Certification has been granted in accordance with the provisions of Article 38-24 Paragraph 1 of the Radio Law.

ORIGINAL DATE OF ISSUE: January 9, 2019
REVISED DATE OF ISSUE: N/A


Michael F. Violette
Director

JAPAN CERTIFICATE OF CONSTRUCTION TYPE (ANNEX 1)

CERTIFICATION No. ► **ACB-MIC000299**

RADIO LABEL MARKING ► **R 209- J00345**

Technical Features and Characteristics

The equipment with model MGM13S02A includes the following features and characteristics:

Frequency range (MHz)	Communication protocol	Rated antenna power	Emission designation
2405 - 2480	IEEE 802.15.4 (ZigBee)	8.33 mW/MHz	G1D
2402 - 2480	Bluetooth v5.0 (BLE)	8.33 mW	F1D

The following antennas are certified for use in combination with the equipment with model MGM13S02A:

Frequency range (MHz)	Type	Model	Peak gain (dBi)	Manufacturer
2402 - 2480	Omnidirectional	2450AT07A0100	1.0	Johansen Technology

The equipment with model MGM13S02N includes the following features and characteristics:

Frequency range (MHz)	Communication protocol	Rated antenna power	Emission designation
2405 - 2480	IEEE 802.15.4 (ZigBee)	8.33 mW/MHz	G1D
2402 - 2480	Bluetooth v5.0 (BLE)	8.33 mW	F1D

The following antennas are certified for use in combination with the equipment with model MGM13S02N:

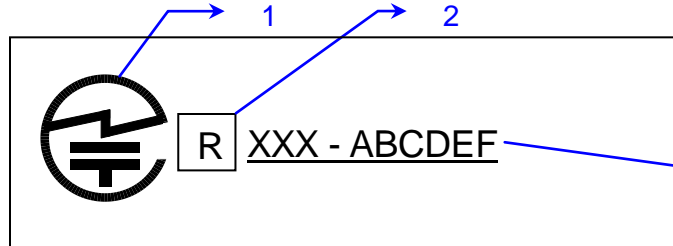
Frequency range (MHz)	Type	Model	Peak gain (dBi)	Manufacturer
2402 - 2480	One-quarter wavelength dipole	W1030	2.14	Pulse Electronics

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Label Marking of Radio Equipment based on Certified Type
Explanation of Certified Label, Including Contents of Technical Requirements etc.

The marking below must be affixed to an easily noticeable section of the specified radio equipment. Note that additional information may be necessary if the device is also subject to a telecom approval.



1. GITEKI (MIC) Mark

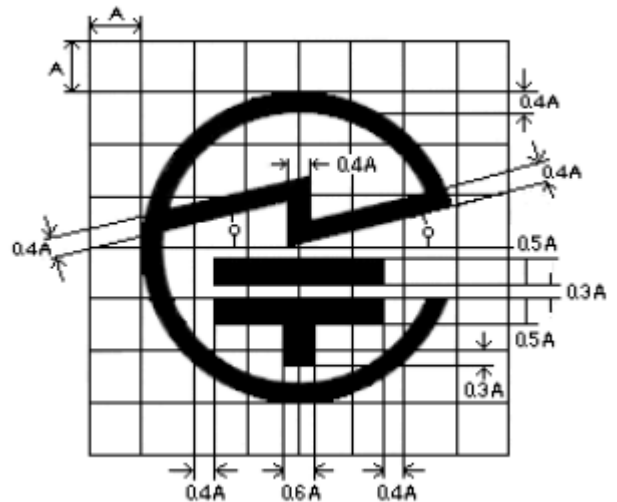
The diameter of the mark must be 3 mm or greater.

2. Symbol of Radio Certification

Put 'R' in the square as it is shown above

3. Certified Type Number

Certified Type Number specific to this device.
 Details of this number are given below.



Certified Type Number Format

XXX - ABCDEF

ACB's 3 Digit Number CAB ID
 assigned by Minister of MIC
 (209 for ACB)

Certification Number to be assigned by the CAB.
 Up to 6 Arabic digits.

Additional Labeling Information (entered into force September 1, 2014)

1. If a radio device is smaller than a 3 mm diameter; only then it is allowed to place the GITEKI mark in the user manual and on the product packaging.
2. Japan has adopted a similar policy as the FCC regarding the labeling of host devices which contain a certified radio module. As of now the host device may bear the GITEKI mark and certification number so that it is clear that a host device contains a certified radio module. The following note may be depicted next to, below, above the GITEKI mark and certification number in order to indicate the presence of a certified radio module:

当該機器には電波法に基づく、技術基準適合証明等を受けた特定無線設備を装着している。

Translation: "This equipment contains specified radio equipment that has been certified to the Technical Regulation Conformity Certification under the Radio Law."