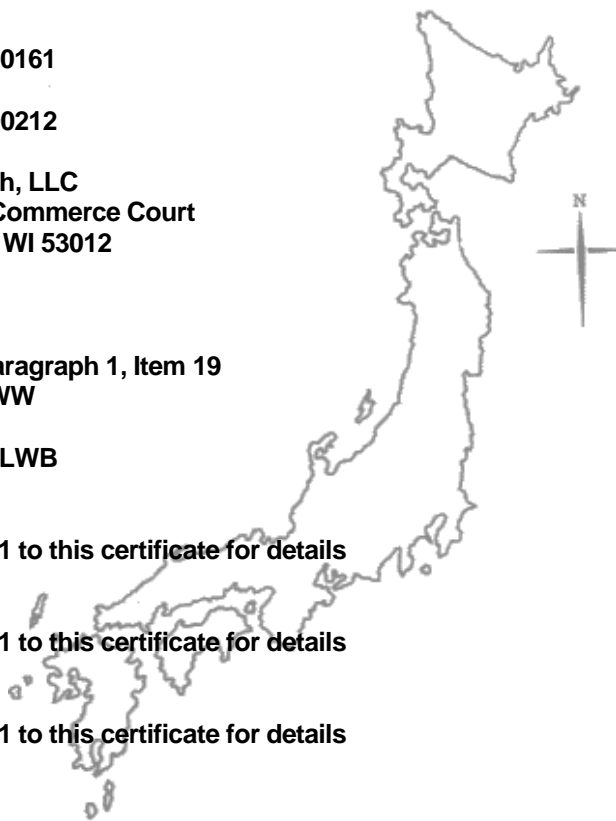




American Certification Body Inc.  
6731 Whittier Ave, Suite C110, McLean, VA 22101  
Ph: (703) 847-4700, Fax: (703) 847-6888

## JAPAN CERTIFICATE OF CONSTRUCTION TYPE

CERTIFICATION No.	▶ ACB-MIC000161	
RADIO LABEL MARKING	▶ <table border="1"><tr><td>R</td></tr></table> 209- J00212	R
R		
ISSUED TO	▶ LS Research, LLC W66 N220 Commerce Court Cedarburg, WI 53012 U.S.A.	
CLASSIFICATION OF SPECIFIED RADIO EQUIPMENT	▶ Article 2, Paragraph 1, Item 19 Category: WW	
MODEL / NAME OF EQUIPMENT	▶ STERLING-LWB	
FREQUENCY RANGE	▶ See Annex 1 to this certificate for details	
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: July 21, 2016  
REVISED DATE OF ISSUE: N/A

Michael F. Violette  
Director

## JAPAN CERTIFICATE OF CONSTRUCTION TYPE (ANNEX 1)

CERTIFICATION No. ► **ACB-MIC000161**

RADIO LABEL MARKING ► **R 209- J00212**

### Technical Features and Characteristics

The equipment includes the following features and characteristics:

Frequency range (MHz)	Communication protocol	Rated antenna power (mW/MHz)	Emission designation
2402 - 2480	Bluetooth Basic Rate (79 ch.)	0.129	F1D
2402 - 2480	Bluetooth EDR2 (79 ch.)	0.042	G1D
2402 - 2480	Bluetooth EDR3 (79 ch.)	0.042	G1D
2402 - 2480	Bluetooth Basic Rate (20 ch.)	0.515	F1D
2402 - 2480	Bluetooth EDR2 (20 ch.)	0.166	G1D
2402 - 2480	Bluetooth EDR3 (20 ch.)	0.167	G1D
2412 - 2472	IEEE 802.11b	6.4	G1D
2412 - 2472	IEEE 802.11g	2.3	W7D
2412 - 2472	IEEE 802.11n (HT20)	1.7	W7D

Frequency range (MHz)	Communication protocol	Rated antenna power (mW)	Emission designation
2402 - 2480	Bluetooth Low Energy (BLE)	7.3	F1D

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

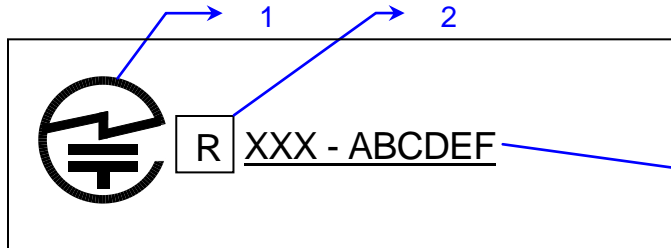
Frequency range (MHz)	Type	Model	Peak gain (dBi)	Manufacturer
2402 - 2480	Omnidirectional, chip antenna	2450AT18D0100	1.5	Johanson Technology, Inc.
2402 - 2480	Dipole antenna	001-0001	2.0	LS Research, LLC
2402 - 2480	2.4 GHz FlexPIFA Antenna	001-0014	2.0	LS Research, LLC
2402 - 2480	2.4 GHz FlexNotch Antenna	001-0015	2.0	LS Research, LLC

ORIGINAL DATE OF ISSUE: July 21, 2016

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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**

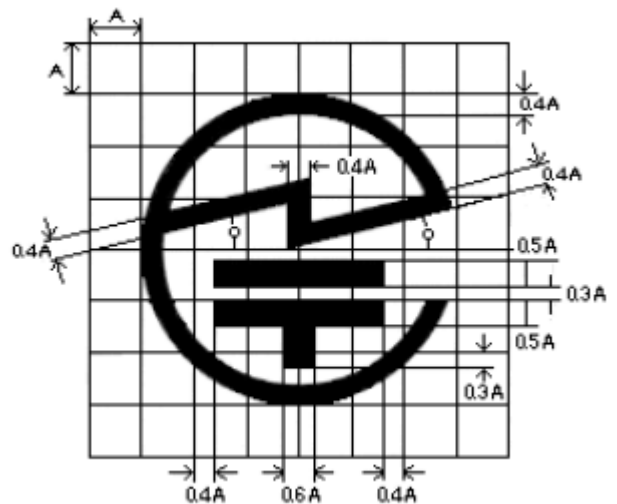
The diameter of the mark must be 3 mm or greater.

**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."***