

ACB Application Guide: Radio Device Certification for Japan



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RCB Number 209

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1 Introduction

1.1 Scope

This guide explains the processes and requirements for the Certification of Radio Devices to gain access to the Japanese Market. ACB's scope as a Registered Foreign Conformity Assessment Body, or Recognized Certification Body (RCB), allows us to certify radio devices to Scope B1 as defined in the US/Japan Mutual Recognition Agreement (MRA). This authority includes all Low Power Radio Devices under Article 38-2, paragraph 1, item 1 of the Japanese Radio Law.

In general, radio equipment intended for use in Japan requires approval under the Japanese Radio Law No. 131 of 1950 and subsequent amendments and inclusions. The MRA between the US and Japan allows NIST-recognized conformity assessment bodies known as Recognized Certification Body (RCB) to grant approval for specified radio equipment under their approved scopes, enabling access to the Japanese Market.

This process provides an independent evaluation by ACB of the compliance documentation for the product. If the product meets the requirements of the Japanese Radio Law (Law No 131, 1950) and subsequent amendments, formal certification can be issued by ACB. A certificate, with the ACB assigned number, is issued by ACB and the Ministry of Internal Affairs and Communications (MIC) is notified of the equipment name, type and the certification number assigned by ACB.

The current ACB certification requirements may be found at www.ACBCert.com

(Note: Japanese Government websites are considered to be the authoritative resource for information and in the case of interpretations of Japanese Laws, regulations and standards, the Japanese language version is considered to be definitive.)

1.2 Applicable equipment under ACB scope.

Under the US/Japan MRA, radio devices are listed in three scopes:

Radio Law:

- B1. Specified Radio Equipment specified in Article 38-2, paragraph 1, item 1 of the Radio Law
- B2. Specified Radio Equipment specified in Article 38-2, paragraph 1, item 2 of the Radio Law
- B3. Specified Radio Equipment specified in Article 38-2, paragraph 1, item 3 of the Radio Law

The following is a list of the types of devices and MIC classification sign for applications which can be certified by ACB:

Scope B1: Specified Radio Equipment specified in Article 38-2, paragraph 1, item 1 of the Radio Law	MPT No. 37 Ordinance	MIC classification sign
Citizen radio	Article 2 paragraph 1 item (3)	O
Cordless telephone	Article 2 paragraph 1 item (7)	L
Specified low power radio equipment	Article 2 paragraph 1 item (8)	Y
Low power security system	Article 2 paragraph 1 item (13)	AZ
Low power data communications system in the 2.4GHz band	Article 2 paragraph 1 item (19)	WW
Low power data communications system in the 2.4GHz band (for radio control model aircraft, 2400-2483.5MHz)	Article 2 paragraph 1 item (19)-2-2	UV
Low power data communications system in the 2.4GHz band (for radio control model aircraft, 2471-2497MHz)	Article 2 paragraph 1 item (19)-2-3	VV
Low power data communications system in the 2.4GHz band	Article 2 paragraph 1 item (19)-2	GZ
Low power data communications system in the 5.2, 5.3GHz band	Article 2 paragraph 1 item (19)-3	XW
Low power data communications system in the 5.6GHz band	Article 2 paragraph 1 item (19)-3-2	YW
Low power data communications system in the 25GHz and 27GHz bands	Article 2 paragraph 1 item (19)-4	HX
Land mobile station for 5GHz band wireless access system (low power type)	Article 2 paragraph 1 item (19)-11	FV
Digital cordless telephone	Article 2 paragraph 1 item (21)	IZ
PHS land mobile station	Article 2 paragraph 1 item (22)	JX
Mobile station for dedicated short range communications system	Article 2 paragraph 1 item (32)	CY
Test station for dedicated short range communications system	Article 2 paragraph 1 item (33)-2	FX
UWB (Ultra Wide Band) radio system	Article 2 paragraph 1 item (47)	UW

2 How to apply

Application for certification should be made using the ACB website www.acbcert.com

2.1 Registration

ACB's application website is secure and easy-to-use. Registration provides secure password-protected access, allowing the user to download forms and to upload application documentation.

Applications can be made by or on the behalf of the manufacturer by an authorized agent or test lab.

2.2 Online filing

Applications and other needed forms are found here: <http://acbcert.com/documents.asp>.

These forms can be completed and uploaded to your secure password protected area of the ACB website. Instructions on how to complete each form is located at the end of each form template itself. Fee payment can also be made at this time using our online payment method.

The typical forms consist of:

- 1 ACB-Japan-Application-Form
- 2 ACB-Japan-Application-Form-Letters (on your letterhead)
 - a. Includes Power or Attorney
 - b. Construction Protection Confirmation
- 3 ACB-Japan-Statement-of-Quality-System-and-Confirmation-Method-Example (on your letterhead)
- 4 ACB-Japan-Technical-Type-Specification (as applicable)
 - a. Form-No-1 (PHS, DSRC, 50GHz convenience radio, etc.)
 - b. From-No 2 (radio navigation, radio location)
 - c. Form-No 3 (CB, cordless phones, special low power radio, LP security, LP data, digital cordless phone, land mobile station PHS, land mobile SDRC, 5GHz wireless access, UWB etc)
 - d. Form-No 4 (amateur band)
 - e. Form-No 5 (earth station or portable mobile earth station)

Note: only some of these forms are currently used under scope B1. Make sure you choose the right form. If you have questions, please contact us.

Other documentation needed for certification include:

- 1 Application Form
- 2 Appropriate Type Specification Form
- 3 POA/Authorization Letter
- 4 Quality Management System Declaration and Letter of Quality Control Method
- 5 Manufacturer's ISO 9001 Certificate
- 6 Construction Protection Confirmation
- 7 Schematics/Circuit Diagrams
- 8 Block diagram

- 9 Parts Layout Diagram
- 10 Component List/BOM List
- 11 Antenna Information
- 12 External photos
- 13 Internal photos
- 14 Label information (while ACB will assign the final certification number, the general appearance and location of the label to be placed on your device needs to be disclosed.)
- 15 Operational/technical description
- 16 Rf exposure information (Currently Japan is only considering how to approach rf exposure)
- 17 Test report along with test setup photos
- 18 Manual and other pertinent user information

3 Processing of your application

Once an application and other pertinent documentation have been uploaded and ACB has received notice of your application and appropriate fees have been paid, a reviewer will be assigned to the project. Notification is automatic and occurs when action is taken on your particular filing.

If additional information is needed, or if there are issues with the documentation, the ACB reviewer will contact the applicant (or the technical contact specified in the application). Questions pertaining to the application will be sent in the form of a 'Comments Letter' via email to the address listed in the filing.

(While many questions and concerns about a filing can be easily answered, if a significant number of files submitted need correction or where significant additional work on the part of ACB results due to applicant errors, omissions etc, ACB reserves the right to charge an additional fee or cancel the application and require a new application be submitted.)

Upon satisfactory review of the application, ACB will issue an ACB Certificate and approval number to be included in your compliance file. This number must be shown on the product label.

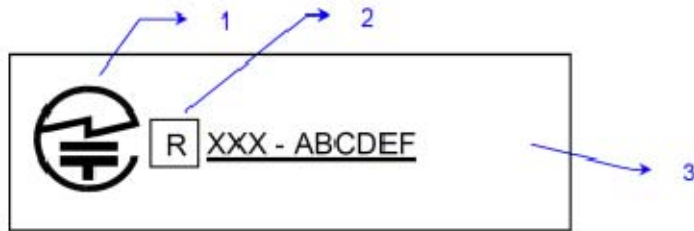
ACB then notifies MIC of the device certification.

4 Sample Label and Label Dimensions

Labeling of the device is mandated by MIC requirements. A sample label is shown below. Note that ACB's RCB number is 209. This forms a part of the label. A Certification number will be assigned by ACB upon successful determination of compliance.

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

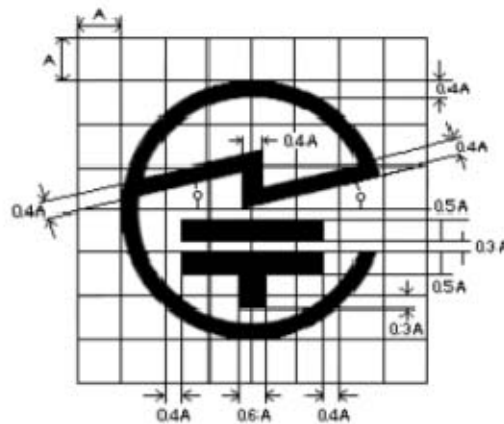
The diameter of the mark must be 5 mm or greater. (If the volume of certified equipment is less than 100 cc, the diameter of the mark may be 3 mm or greater).

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.