

Regulatory Template for Integration Guide

Notes printed in 'Red' are not intended to be printed in the integration guide.

All Warning Symbols should be ISO Standard Formats, like  Please update this document accordingly.

Also the Logo's used in this document are indicative only, like FCC, CE etc, please use the correct formatted and sized logo's.

Notes:

1. Select the applicable sections/paragraphs for the product in question

Regulatory Information

Symbol's **wireless network cards** designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Any changes or modifications to Symbol Technologies equipment, not expressly approved by Symbol Technologies, could void the user's authority to operate the equipment.

Radio Frequency Approvals

The Symbol Wireless cards are approved for use in many countries around the world. Each country has its own regulations regarding radio use and requirements for radio products. A list of these countries for which these products have received regulatory type approval can be found at www.symbol.com/regulatory

In most cases, a regulatory marking on the device is required to identify that a radio product has received type approval from a particular country. Regulatory markings are handled in one of two ways:

1. The marking may appear on the "Base Label," **which should be affixed to the outside of the product. ?**
2. The marking may appear on a separate sheet of adhesive country stamps that may have been included in the radio product package. Each label is marked with the specific country name. As the user of the product, you will need to peel off the correct country stamp and affix it to the spot indicated on the Base Label. The base label should have the following graphic to identify the area to affix the stamp



The base label should address the following country approvals (as required):

USA, Canada, Japan, Australia and the European Union.

Specific label information is provided in the regional sections below

To maintain compliance with the above, the Integrator must ensure that the wireless card:

- Must be operated at the voltages described in the technical documentation.
- Must not be mechanically or electrically changed.

Final Product Compliance

Final product will require non-radio frequency approvals; these include Product Safety, EMC, and SAR etc. As the integrator it is your responsibility to comply with these requirements for each country in which the product is sold.

The compliance process may include submittal of prototype products for test purposes. Be prepared the certification process for your product may take from a few weeks to several months. Symbol advises the use of an accredited test laboratory for advice and testing of the final product.

National Country Requirements

United States of America

The Federal Communications Commission (FCC) requires compliance with CFR Title 47, Part 2 and Part 15 for digital devices. This includes Electromagnetic Energy Exposure (EME) also known as Specific Absorption Rate (SAR) testing.

The Wireless Card is approved for integration; to maintain the approval the Integrator must address the following:

- FCC Part 15 (emissions class B) required for the final product
- SAR testing required on final product (Note: If final product, in normal usage, is operated more than 20cm from the human body, MPE testing is required instead of SAR)
- The selected antenna (with feeder cable) shall not exceed a gain of **2dBi**.
- Final product markings must include:

This product contains an approved RLAN Card

Type: LA-4137

FCC ID: H9PLA4137



Note: The above process does not require FCC Filing, all results to be kept by integrator.

Canada

In complying with the requirements for the FCC, this device also complies with all the technical requirements of the Canadian Interference-Causing Equipment Regulations (ICES-003).

- Final product markings must include:

This product contains an approved RLAN Card

Type: LA-4137

IC: xxxxxxxx

European Economic Area

The final product must comply with all applicable European Directives such as EMC and Product Safety. The radio part is already covered by the Symbol approval under the R&TTE Directive 99/5/EC.

Care should be taken as a product might fall under the scope of other directives or standards depending on the type of product e.g. Medical Directive, Potentially Explosive Atmospheres etc.

The final product must be tested for EMC; the applicable standard depends upon the intended operational environment.

Typically the Standard used for demonstrating Compliance is: EN 300 489/1 and EN 300 489/17.

Symbol advises the use of an accredited test laboratory for advice and testing of the final product.

The Wireless Card is approved for integration; to maintain the approval the Integrator must address the following:

- EMC testing required for the final product
- The selected antenna (with feeder cable) shall not exceed a gain of **+2dBi**.
- Integrator to issue a 'Declaration of Conformity' to cover EMC and Product Safety for their final product (Symbol will issue a Declaration of Conformity for the Radio Card, which should be made available to the user)
- Final product markings must include:

This product contains an approved RLAN Card

Type: **LA-4137**



EC Directives require that integrators document their compliance activities in a technical File. Symbol will supply the following:

Notified Body Opinion for the Radio Card & Declaration of Conformity(s). Used to demonstrate compliance under the R&TTE Directive for Radio, EMC and Product Health and Safety.

Japan

The radio part is already covered by the Symbol approval under the TELEC Approval.

The Wireless Card is approved for integration; to maintain the approval the Integrator must address the following:

- The selected antenna (with feeder cable) shall not exceed a gain of **2dBi**.
- Final product markings must include:



Australia

The final product must comply with the ACA's C-Tick compliance arrangements. Compliance is demonstrated by the maintenance of a 'compliance folder' in Australia.

A 'compliance folder' is held by Symbol Technologies Pty, Australia, recognised by the ACA Manufacturer number N410.

The host product must be tested for EMC; the applicable standard depends upon the intended operational environment.

Typically the Standard used for demonstrating Compliance is: AS/NZS 3548.

The Wireless Card is approved for integration; to maintain the approval the Integrator must address the following:

- EMC testing required for the host product
- The selected antenna (with feeder cable) shall not exceed a gain of **2dBi**.
- Integrator to issue a 'Declaration of Conformity' to cover EMC for their final product (Symbol will issue a Declaration of Conformity for the Radio Card, which should be included in the compliance folder)
- Product marking must be in accordance with the C-tick arrangements as any other non-radio device.

ACA require that integrators document their compliance activities in a compliance folder. The integrators folder shall include:

- A statement 'This product contains an approved RLAN Card, Type: **LA-4137**, Manufacturers code N410'.
- Symbol's, Australian Declaration of Conformity for the radio card.

Statements required for the User Guide:

USA - SAR Statement & Warnings.

This is dependent on the application of the final product, the statement, if required, should be agreed with the test laboratory.

Radio Frequency Interference Requirements



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency

energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Radio Frequency Interference Requirements - Canada

This device complies with RSS 210 of Industry & Science Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Applying the Regulatory Country Stamp

A regulatory label is applied to signify the device is approved for use in the following countries:

United States, Canada, Australia, Japan & Europe.

Note: Europe includes, Austria, Belgium, Croatia, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Liechtenstein, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

In addition to the list above other countries may require a regulatory stamp to be affixed to the product.

Please refer to www.symbol.com/ for the list of countries where mandatory stamps are required.

For countries that require regulatory label, a sheet of stamps may be enclosed within the package.

If the appropriate stamp is not provided, please contact your supplier.

To apply the country stamp:

1. Peel the stamp appropriate to the country where this device is to be used.
2. Apply the country stamp in the space provided on the wireless card regulatory label or as indicated by the Users Guide.



Operation of the device without a regulatory label or the correct country Stamp is illegal.

CE Marking and European Economic Area (EEA)

RLAN's (2.4GHz) for use through the EEA have the following restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 -2.4835 GHz
- France, equipment is restricted to 2.4465 -2.4835 GHz frequency range
- Belgium outside usage, the equipment is restricted to 2.460 -2.4835 GHz frequency range
- Italy requires a user license for outside usage.

Statement of Compliance

Symbol Technologies, Inc., hereby, declares that the radio card is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A Declaration of Conformity may be obtained from <http://www2.symbol.com/doc/>

Other Countries

Mexico - Restrict Frequency Range to: 2.450 - 2.4835 GHz.

Israel - Restrict Frequency Range to: 2.418 – 2.457 GHz.

Sri Lanka- Restrict Frequency Range to: 2.400 – 2.430 GHz.