EV54D56A
Regulatory Compliance Information

Revision 0.3
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This document contains the Regulatory Compliance information which will be part of the EV54D56A (ATA5835-XPRO) datasheet and related documents shared with customers.

1.0 Usage Instructions

This equipment (EV54D56A/ATA5835-XPRO) is an evaluation board and not a finished product. It is not directly marketed or sold to the general public through retail; it is only sold through authorized distributors or through Microchip. Using this equipment requires a significant engineering expertise towards understanding of the tools and relevant technology, which can be expected only from a person who is professionally trained in the technology. The user must comply with all the instructions provided by the Grantee, which indicate installation and/or operating conditions necessary for compliance.

2.0 Antenna Considerations

The following table provides details about the approved antenna.

Part Number	Manufacturer	Antenna type
ANT-433-CW-RH-SMA	Linx Technologies Inc.	Whip

3.0 Regulatory Approval

This equipment has received regulatory approval for the following countries:

- United States/FCC ID: 2ADHK54D56
- Canada/ISED:
  - IC ID: 20266-54D56
  - HVIN: EV54D56A
- European Union/CE

3.1.0 United States

This equipment has been approved for use in the United States under Federal Communications Commission (FCC) CFR47 Telecommunications, Part 15 Subpart C “Intentional Radiators”.

3.1.1 Labeling and User Information

The FCC ID label has been permanently affixed to equipment on the bottom silkscreen layer of the board and is visible, as well as, legible to the user. Due to the size of the equipment, the following compliance statements are included in the user manual:

This device complies with part 15 of the FCC Rules. 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.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and a human body.

FCC NOTICE: This kit is designed to allow:

(1) Product developers to evaluate electronic components, circuitry, or software associated with the kit to determine whether to incorporate such items in a finished product and

(2) Software developers to write software applications for use with the end product. This kit is not a finished product and when assembled may not be resold or otherwise marketed unless all required FCC equipment authorizations are first obtained. Operation is subject to the condition that this product not cause harmful interference to licensed radio stations and that this product accept harmful interference. Unless the assembled kit is designed to operate under part 15, part 18 or part 95 of this chapter, the operator of the kit must operate under the authority of an FCC license holder or must secure an experimental authorization under part 5 of this chapter.

The kit is labeled with the following legend: For evaluation only; not FCC approved for resale;

3.1.2 Approved Antenna Types

To maintain compliance in the United States, only the antenna type that has been tested shall be used. Testing of this equipment was performed with the antenna type listed in the Antenna Considerations section above.

3.1.3 Helpful Websites

- Federal Communications Commission (FCC): https://www.fcc.gov/
- FCC Office of Engineering and Technology (OET) Laboratory Division Knowledge Database (KDB): https://apps.fcc.gov/oetcf/kdb/index.cfm.

3.2.0 Canada

This equipment has been approved for use in Canada under Innovation, Science and Economic Development Canada (ISED, formerly Industry Canada) Radio Standards Specification (RSS) RSS-210.

3.2.1 Labeling and User Information

The ISED ID label has been permanently affixed to the equipment on the bottom silkscreen layer of the board and is visible, as well as, legible to the user. Due to the size of the equipment, the following compliance statement is included in the user manual:

This device contains licence-exempt transmitter(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) this device may not cause interference,
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage;
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

3.2.2 Approved Antenna Types

To maintain compliance in Canada, only the antenna type that has been tested shall be used. Testing of this equipment was performed with the antenna type listed in the Antenna Considerations section above.

3.2.3 Helpful Websites

- Industry Canada: http://www.ic.gc.ca/

3.3.0 European Union

This equipment has been assessed for use in European Union (EU) countries European Telecommunications Standards Institute (ETSI) EN 300 220-1.

3.3.1 Labeling Information

The CE mark has been permanently affixed to equipment on the bottom silkscreen layer of the board and is visible, as well as, legible to the user.

3.3.2 Approved Antenna Types

To maintain compliance in the EU, only the antenna type that has been tested shall be used. Testing of this equipment was performed with the antenna type listed in the Antenna Considerations section above.

3.3.3 Simplified EU Declaration of Conformity

Hereby, Microchip Technology Inc. declares that the radio equipment type EV54D56A is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity for this product is available at www.microchip.com/design-centers/wireless-connectivity/.

3.3.4 Helpful Websites

A document that can be used as a starting point in understanding the use of Short-Range Devices (SRD) in the EU is the European Radio Communications Committee (ERC) Recommendation 70-03 E, which can be downloaded from the European Communications Committee (ECC) at: https://docdb.cept.org/.

Additional helpful websites are:

- Radio Equipment Directive (2014/53/EU): https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/red_en
- European Conference of Postal and Telecommunications Administrations (CEPT): http://www.cept.org
- European Telecommunications Standards Institute (ETSI): http://www.etsi.org
- The Radio Equipment Directive Compliance Association (REDCA): http://www.redca.eu/