

Rhein Tech Laboratories, Inc.
360 Herndon Parkway
Suite 1400
Herndon, VA 20170
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Client: Alarm.com
Model/HVIN: ADC-XCVR100
Standards: FCC 15.247/IC RSS-247
ID's: YL6-143XCVR100/9111A-143XCVR100
Report #: 2016188

Appendix C: FCC Modular Approval Criteria

Please refer to the following page.



To:
American Certification Body, Inc.
6731 Whittier Avenue
Suite C110
McLean, VA 22101

Subject: FCC Full Modular Approval Criteria - Alarm.com ADC-XCVR100

To Whom It May Concern:

Alarm.com requests full module approval certification for the transmitter module FCC: YL6-143XCVR100, Model: ADC-XCVR100. The module meets the requirements from KDB 996369, Section III as follows:

- i. **The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly;**
[Alarm.com] – Device is equipped with metal shielding to cover RF elements.
- ii. **The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal;**
[Alarm.com] – Inputs to the module are buffered through microprocessor units.
- iii. **The module must contain power supply regulation on the module;**
[Alarm.com] – The device contains a 3.3V switching regulator to power the radio.
- iv. **The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b);**
[Alarm.com] – The device is equipped with a printed PCB antenna.
- v. **The module must demonstrate compliance in a stand-alone configuration;**
[Alarm.com] – The device was tested outside of a host device that would normally supply power.
- vi. **The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labeling requirements);**
[Alarm.com] – The device is labeled with an Alarm.com-assigned FCC ID.
- vii. **The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee;**
[Alarm.com] – The transmitter will not send data unless installed in a compatible control panel. In order for the module to do the aforementioned, a button on the control panel must be pushed.
- viii. **The module must comply with RF exposure requirements (see Clause V below).**
[Alarm.com] – The module is not a portable device – it is installed in a static location.

Regards,

A handwritten signature in black ink, appearing to read "Daniel Ramos", written over a horizontal line.

Daniel Ramos
Senior VP, Corporate Development
~~09/13/2016~~ 10/10/16