



**Advanced Card Systems Ltd.**  
Card & Reader Technologies

# **ACM1552D-C**

## **Contactless Reader Module with SAM Slot**

User Manual V1.00



## Table of Contents

|                                                                                                       |          |
|-------------------------------------------------------------------------------------------------------|----------|
| <b>1.0. Introduction .....</b>                                                                        | <b>3</b> |
| <b>2.0. Integration instructions for host product manufacturers according to KDB 996369 D03 .....</b> | <b>4</b> |
| 2.1. List of applicable FCC rules.....                                                                | 4        |
| 2.2. Specific operational use conditions .....                                                        | 4        |
| 2.3. Limited module procedures .....                                                                  | 4        |
| 2.4. Trace antenna designs .....                                                                      | 4        |
| 2.5. RF exposure considerations.....                                                                  | 4        |
| 2.6. Antennas.....                                                                                    | 4        |
| 2.7. Label and compliance information.....                                                            | 4        |
| 2.8. Information on test modes and additional testing requirements .....                              | 4        |
| 2.9. Additional testing, Part 15 Subpart B disclaimer.....                                            | 5        |
| <b>3.0. FCC Warning Statement .....</b>                                                               | <b>6</b> |



## **1.0. Introduction**

The ACM1552D-C (Serial / USB Contactless Reader Module with SAM Slot) is an interface for the communication between a host (for example, a PC) and a contactless card. The ACM1552D-C (Serial / USB Contactless Reader Module with SAM Slot) establishes a uniform interface from the computer to the smart card for a wide variety of cards. By taking care of the card specific particulars, it releases the software programmer of getting involved with the technical details of the smart card operation, which are in many cases not relevant for the implementation of a smart card system.

This document serves as a guide for host product manufacturers according to KDB 996369 D03 OEM.



## **2.0. Integration instructions for host product manufacturers according to KDB 996369 D03**

### **2.1. List of applicable FCC rules**

CFR 47 FCC PART 15 SUBPART C has been investigated.

### **2.2. Specific operational use conditions**

This module is stand-alone modular. If the end product will involve the Multiple simultaneously transmitting condition or different operational conditions for a stand-alone modular transmitter in a host, host manufacturer have to consult with module manufacturer for the installation method in end system.

### **2.3. Limited module procedures**

Not applicable

### **2.4. Trace antenna designs**

Not applicable.

### **2.5. RF exposure considerations**

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance of 20cm from your body.

### **2.6. Antennas**

This radio transmitter FCC ID: V5MACM1552D-C has been approved by Federal Communications Commission to operate with the antenna types listed below, with the maximum permissible gain indicated. The antenna is permanently fixed. It cannot be replaced.

| No. | Antenna Type | Antenna Gain | Impedance | Frequency Range |
|-----|--------------|--------------|-----------|-----------------|
| 1   | PCB          | 0dBi         | 50Ω       | 13.56 MHz       |

### **2.7. Label and compliance information**

The host product must be labeled in a visible area with the following "Contains FCC ID: V5MACM1552D-C"

### **2.8. Information on test modes and additional testing requirements**

Host manufacturer is strongly recommended to confirm compliance with FCC requirements for the



transmitter when the module is installed in the host.

## **2.9. Additional testing, Part 15 Subpart B disclaimer**

Host manufacturer is responsible for compliance of the host system with module installed with all other applicable requirements for the system such as Part 15 B



### **3.0. FCC Warning Statement**

**FCC Caution:**

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

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.

**IMPORTANT NOTE:**

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.

**FCC Radiation Exposure Statement:**

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