

Savi Mobile Reader SMR-650-216

U.S. Regulatory Approvals - Compliance Notice

Federal Communications Commission (FCC) Notice

The Federal Communications Commission has established technical standards regarding radio frequency energy emitted by computer devices. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference with radio/TV reception. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Hazardous Location Safety

Conforms to STD UL1604 for use in Division 2, Class I Groups A, B, C, D, Class II, Groups F, G, Class III

Hazardous (Classified) Location

Class I, Division 2, Groups A, B, C, D
Class II, Division 2, Groups F, G
Class III, Division 2

The installation must be in accordance with the National Electric Code, NFPA 70, Articles 504 and 505, and ANSI/ISA-RP12.06.01.

Warning: EXPLOSION HAZARD. Do not disconnect while the circuit is live or unless the area is known to be free of ignitable concentrations.

The following additional warnings must be observed for the safety of the operator and others in potentially hazardous locations:

- ◆ The SMR-650-216 may not be connected to any of its available accessories while in potentially hazardous locations. All allowed connections must be made while outside of the potentially hazardous location.
- ◆ Any connector cover removed while in ordinary locations must be reinstalled prior to entering a potentially hazardous location.

Federal Communications Commission (FCC) Label Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

- ◆ This device may not cause harmful interference, and
- ◆ This device must accept any interference received, including interference that may cause undesired operation.

The label statement corresponds to the following devices:

<i>Device</i>	<i>Model</i>	<i>FCC ID</i>
Radio mobile reader	SMR-650-216	KL7-650MR-V5

Warning: Changes or modifications to this equipment that are not expressly approved by Savi Technology could void the warranty and the authority to operate this equipment.

Savi Technology is not responsible for radio/TV interference caused by using unauthorized cable or by making unauthorized changes to this equipment.

Product Safety

AC adapter: UL approved (UL 60950)

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FCC Registration Requirement for Operation Under Rule 15.240

Radio transmissions from the Savi Mobile Reader SMR-650-216 are governed in the USA by FCC Part 15 rules, and in Canada by corresponding Industry Canada regulation RSS-210. Other regulations apply in other countries.

The Savi Mobile Reader SMR-650-216 is shipped with the default mode of operation corresponding to FCC Part 15.231. All prior Savi equipment complies with FCC Part 15.231. Equipment operating under this rule does not require FCC registration.

However, operation according the FCC Rule 15.240 offers some advantages in throughput and flexibility for applications involving containerized cargo. The Savi Mobile Reader SMR-650-216 can be configured for operation under this rule, but only by a qualified technician.

There are restrictions in the geographical locations where such equipment may be deployed so as to maintain a 40 km separation from five long-range USAF radar installations in the continental USA and Alaska. For this reason, the FCC requires notification of the locations where Part 15.240 operating equipment is to be installed.

Savi Technology, Inc. notifies the FCC of the initial shipping destination, but it is the responsibility of the end user to mail a notice of installation, as described in the form provided below, to the FCC. This must be done at the initial installation and again if the equipment is relocated.

Mail this form to:

Experimental Licensing Branch, OET
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

ATTN: RFID registration

Selected text from FCC Rule 15.240 operation in the 433.5 - 434.5 MHz band:

- a. Operation under this section is restricted to devices that use radio frequency energy to identify the contents of commercial shipping containers. Operations must be limited to commercial and industrial area such as ports, rail terminals, and warehouses.
- b. To prevent interference to Federal Government radar systems, operation under the provisions of this section is not permitted within 40 kilometers of the following locations:

DoD Radar Installation	Latitude	Longitude
Beale Air Force Base	39°08'10"N	121°21'04"
Cape Cod Air Force Base	41°45'07"N	070°32'17"
Clear Air Force Base	64°55'16"N	143°05'02"
Cavalier Air Force Base	48°43'12"N	097°54'00"
Eglin Air Force Base	30°43'12"N	086°12'36"

FCC RFID Registration Form In Compliance with FCC Rule 15.240

Experimental Licensing Branch, OET
Federal Communications Commission
445 12th St., SW
Washington, DC 20554
ATTN: RFID Registration

Subject: Registration for Savi Technology, Inc. Savi Mobile Reader SMR-650-216

The following information concerning the end user and installation location is hereby submitted as required by FCC Rule 15.240:

End User Company Name: _____

Contact Person: _____

Mailing Address of Contact: _____

Street Address of Contact: _____

Contact Telephone Number: _____

Contact Email Address: _____

Street Address of
Equipment Installation: _____

Latitude: _____

Longitude: _____

FCC Equipment ID: KL7-650MR-V5

Contact Signature: _____

Date: _____

**COPY FOR USE
KEEP THIS DOCUMENT**

